

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064392.D
 Acq On : 26 Nov 2019 19:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 11/27/2019 5:14:08 PM

Quant Time: Nov 27 06:44:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	680927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192948	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.92	113	203212	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.34	98	728003	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.64	95	238883	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145651	38.073	ug/l	96
3) Chloromethane	2.21	50	192316	46.867	ug/l	95
4) Vinyl Chloride	2.35	62	242735	55.316	ug/l	97
5) Bromomethane	2.77	94	168404	60.776	ug/l	98
6) Chloroethane	2.92	64	179488	64.013	ug/l	97
7) Trichlorofluoromethane	3.27	101	450638	63.341	ug/l	95
8) Diethyl Ether	3.70	74	100764	51.510	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201688	49.599	ug/l	98
10) Methyl Iodide	4.29	142	209597	45.351	ug/l	98
11) Tert butyl alcohol	5.26	59	64182	242.223	ug/l	96
12) 1,1-Dichloroethene	4.06	96	186088	48.011	ug/l	98
13) Acrolein	3.93	56	62296	277.911	ug/l	96
14) Allyl chloride	4.71	41	311592	45.468	ug/l	95
15) Acrylonitrile	5.44	53	226037	271.044	ug/l	99
16) Acetone	4.17	43	233462	259.772	ug/l	98
17) Carbon Disulfide	4.40	76	528619	43.794	ug/l	100
18) Methyl Acetate	4.73	43	128199	51.072	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	467720	50.548	ug/l	96
20) Methylene Chloride	4.96	84	215889	47.555	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	218819	49.830	ug/l	94
22) Diisopropyl ether	6.37	45	626595	49.279	ug/l	97
23) Vinyl Acetate	6.31	43	1822493	257.132	ug/l	97
24) 1,1-Dichloroethane	6.27	63	377940	51.192	ug/l	99
25) 2-Butanone	7.23	43	299890	258.282	ug/l	95
26) 2,2-Dichloropropane	7.21	77	328181	45.328	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	251670	53.442	ug/l	91
28) Bromochloromethane	7.55	49	152403	59.293	ug/l	98
29) Tetrahydrofuran	7.57	42	182178	261.145	ug/l	95
30) Chloroform	7.71	83	398654	52.789	ug/l	100
31) Cyclohexane	7.98	56	327558	43.993	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	355667	49.186	ug/l	98
36) 1,1-Dichloropropene	8.11	75	302328	48.108	ug/l	99
37) Ethyl Acetate	7.30	43	134850	50.899	ug/l	99
38) Carbon Tetrachloride	8.10	117	327398	48.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	362606	45.599	ug/l	96
40) Benzene	8.35	78	846082	49.262	ug/l	98
41) Methacrylonitrile	7.53	41	85165	51.145	ug/l	93
42) 1,2-Dichloroethane	8.43	62	253899	49.220	ug/l	99
43) Isopropyl Acetate	8.46	43	264041	48.371	ug/l	99
44) Trichloroethene	9.11	130	256334	49.727	ug/l	98
45) 1,2-Dichloropropane	9.39	63	210919	50.454	ug/l	96
46) Dibromomethane	9.48	93	118263	52.843	ug/l	97
47) Bromodichloromethane	9.67	83	308171	51.120	ug/l	97
48) Methyl methacrylate	9.46	41	121739	45.609	ug/l	92
49) 1,4-Dioxane	9.47	88	29702	1105.046	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	655754	250.508	ug/l	100
52) Toluene	10.40	92	556688	49.291	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	287801	47.653	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	345977	49.092	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	162600	53.557	ug/l	97
56) Ethyl methacrylate	10.67	69	209081	49.230	ug/l	93
57) 1,3-Dichloropropane	10.95	76	280909	53.053	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	450973	262.139	ug/l	98
59) 2-Hexanone	10.99	43	464594	249.467	ug/l	99
60) Dibromochloromethane	11.14	129	220069	51.947	ug/l	99
61) 1,2-Dibromoethane	11.25	107	160123	52.657	ug/l	98
64) Tetrachloroethene	10.88	164	228695	49.830	ug/l	95
65) Chlorobenzene	11.67	112	600989	49.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	233342	50.571	ug/l	99
67) Ethyl Benzene	11.74	91	1064031	48.476	ug/l	99
68) m/p-Xylenes	11.86	106	813872	96.735	ug/l	100
69) o-Xylene	12.18	106	380049	48.706	ug/l	98
70) Styrene	12.20	104	665311	48.846	ug/l	98
71) Bromoform	12.37	173	133359	50.785	ug/l	99
73) Isopropylbenzene	12.48	105	1028426	48.392	ug/l	100
74) N-amyl acetate	12.29	43	232869	46.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172649	53.914	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	102726m	44.048	ug/l	
77) Bromobenzene	12.77	156	259828	50.325	ug/l	99
78) n-propylbenzene	12.83	91	1203212	49.554	ug/l	100
79) 2-Chlorotoluene	12.91	91	657924	47.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	848279	48.577	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53825	45.845	ug/l	98
82) 4-Chlorotoluene	13.01	91	688311	48.140	ug/l	98
83) tert-Butylbenzene	13.23	119	746881	48.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	845624	49.049	ug/l	100
85) sec-Butylbenzene	13.41	105	1018886	49.266	ug/l	99
86) p-Isopropyltoluene	13.52	119	948212	48.227	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	482526	50.347	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	478353	51.139	ug/l	100
89) n-Butylbenzene	13.85	91	861574	48.503	ug/l	98
90) Hexachloroethane	14.12	117	175189	48.213	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	418972	51.649	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26820	46.843	ug/l	95

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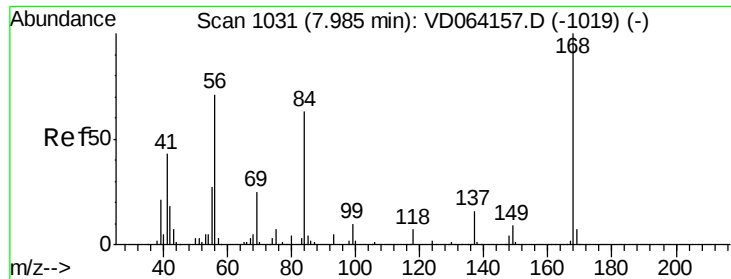
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	318090	50.832	ug/l	98
94) Hexachlorobutadiene	15.28	225	194076	48.017	ug/l	98
95) Naphthalene	15.41	128	530620	51.728	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	270843	50.918	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 461268

Ion Ratio Lower Upper

168 100

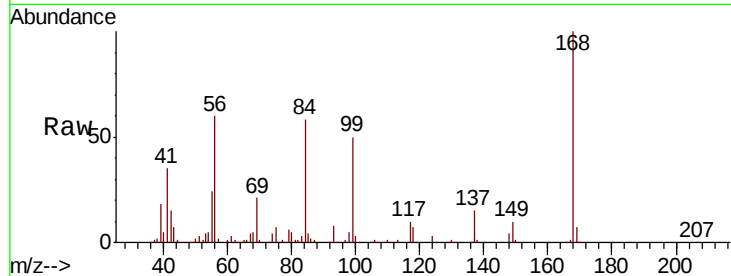
99 49.8 41.6 62.4

Manual Integrations

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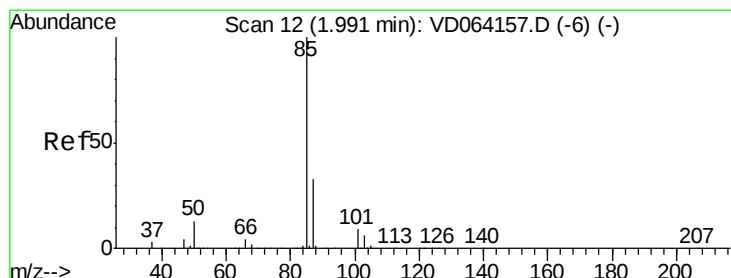
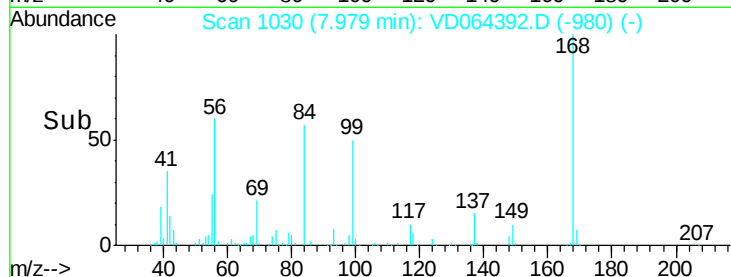
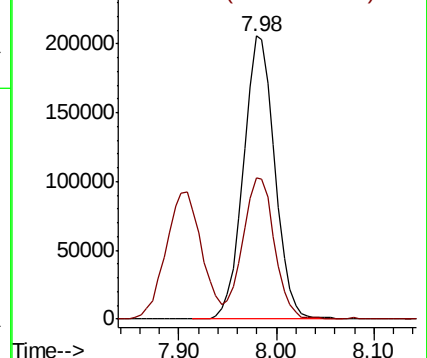
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 38.073 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064392.D

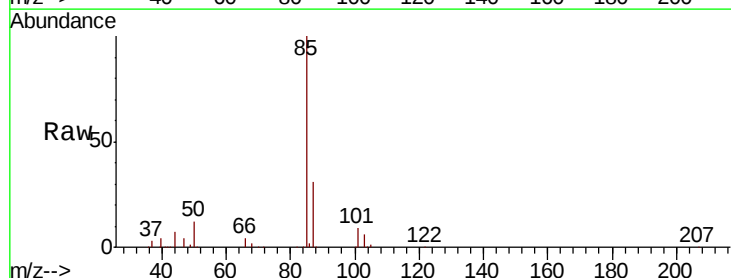
Acq: 26 Nov 2019 19:06

Tgt Ion: 85 Resp: 145651

Ion Ratio Lower Upper

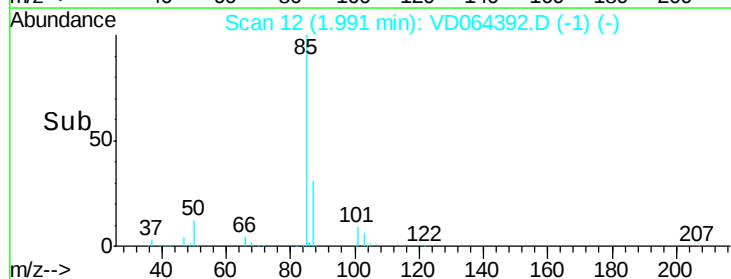
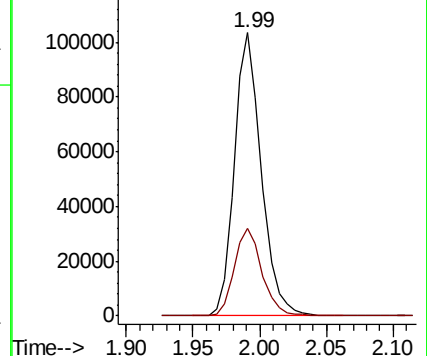
85 100

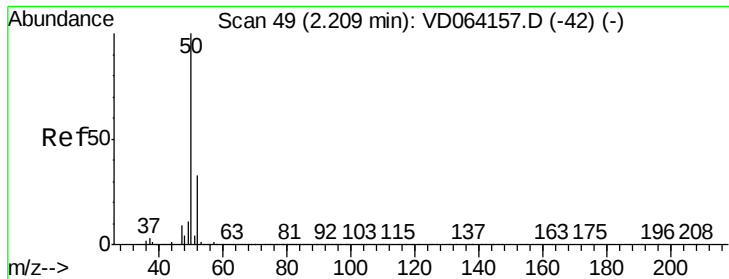
87 30.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.867 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 192316

Ion Ratio Lower Upper

50 100

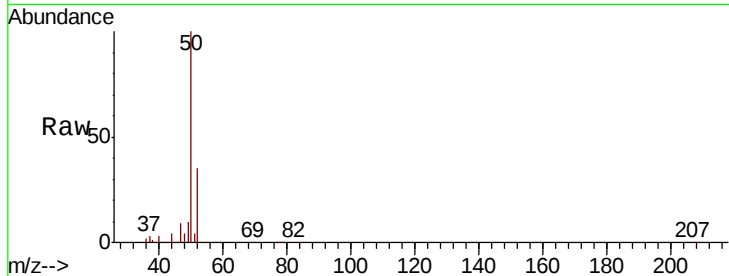
52 35.4 26.2 39.4

Manual Integrations

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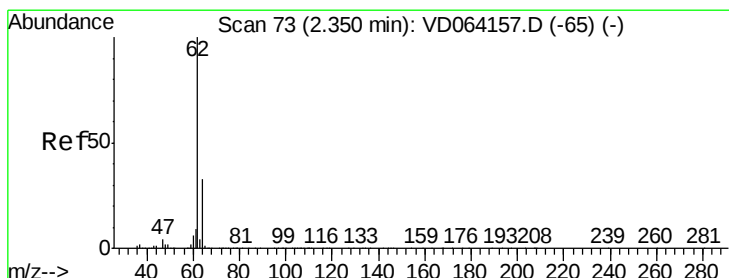
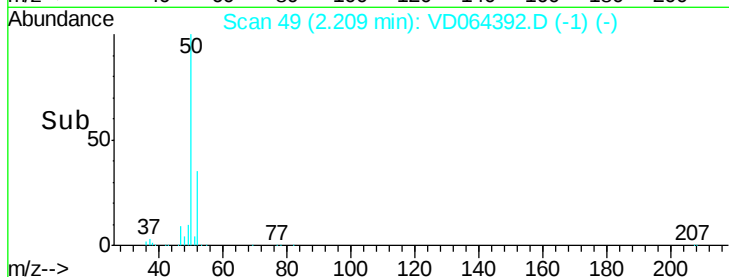
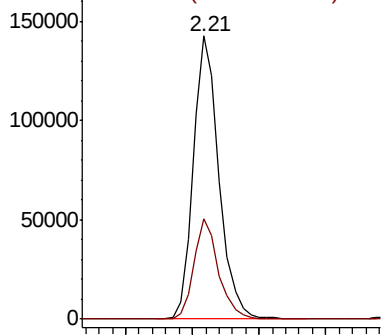
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.316 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064392.D

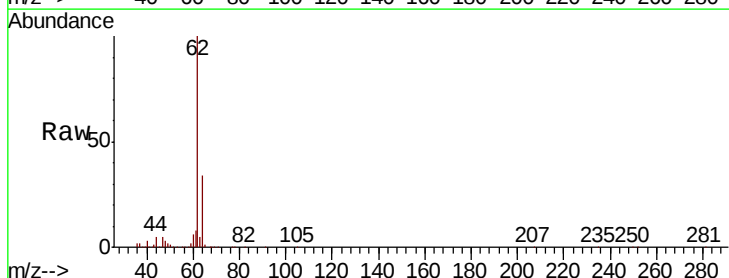
Acq: 26 Nov 2019 19:06

Tgt Ion: 62 Resp: 242735

Ion Ratio Lower Upper

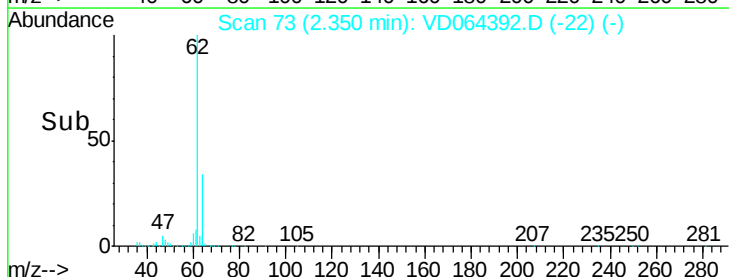
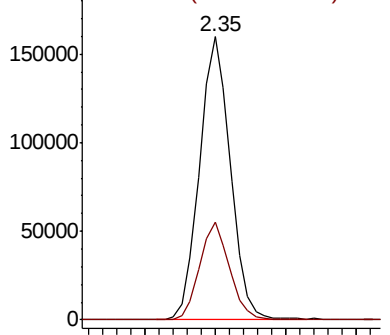
62 100

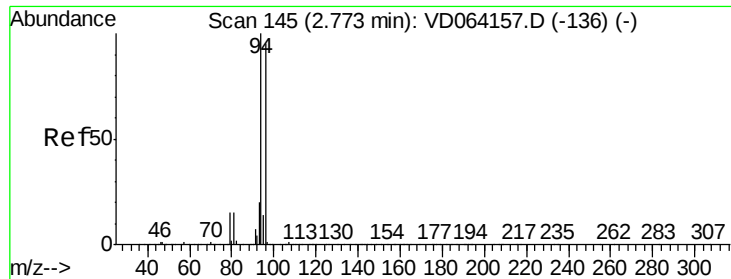
64 34.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 60.776 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 168404

Ion Ratio Lower Upper

94 100

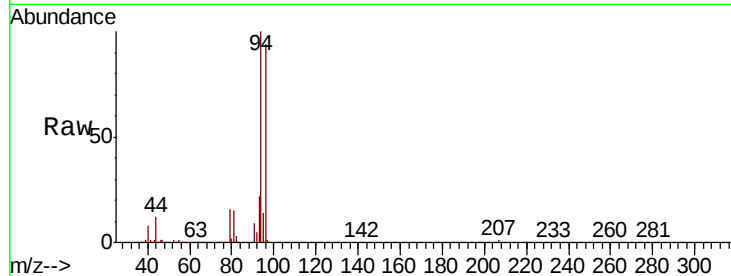
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Manual Integrations

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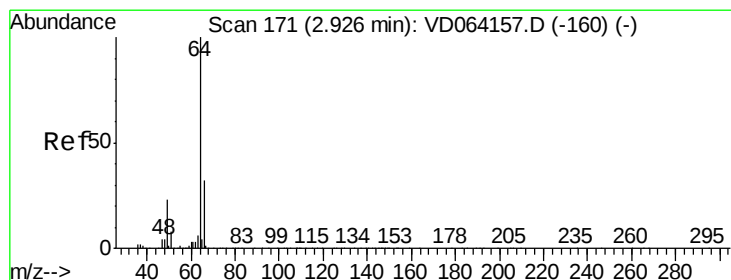
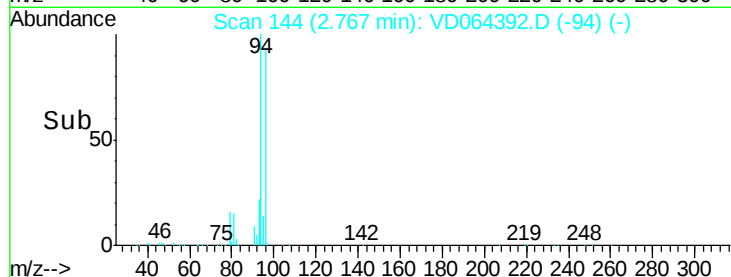
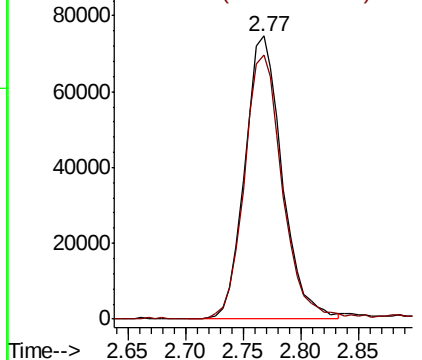
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 64.013 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064392.D

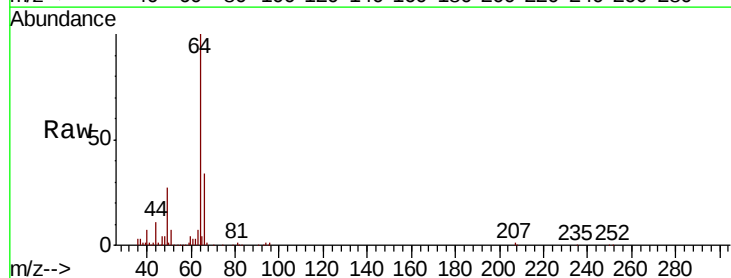
Acq: 26 Nov 2019 19:06

Tgt Ion: 64 Resp: 179488

Ion Ratio Lower Upper

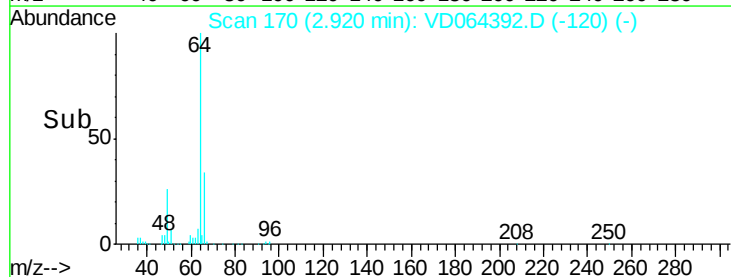
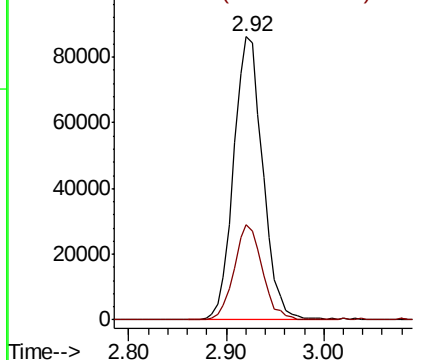
64 100

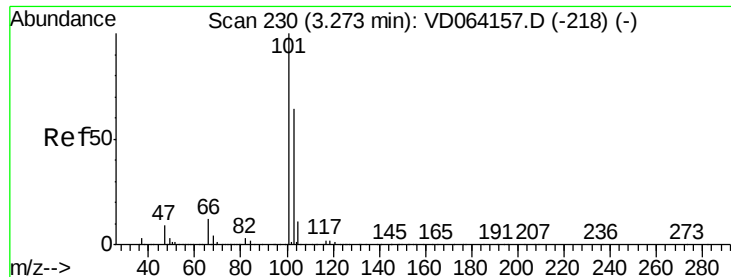
66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

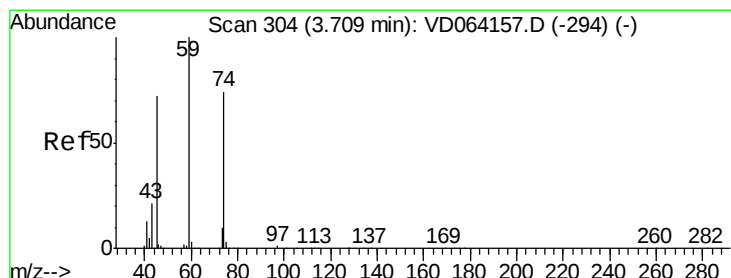
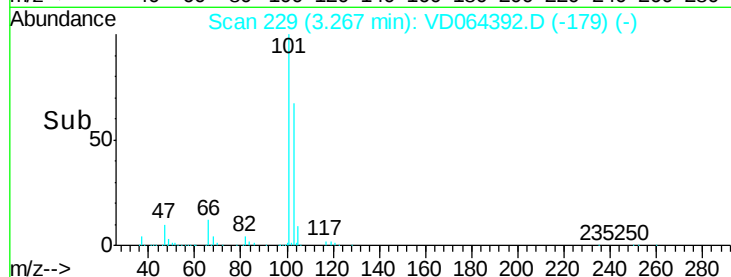
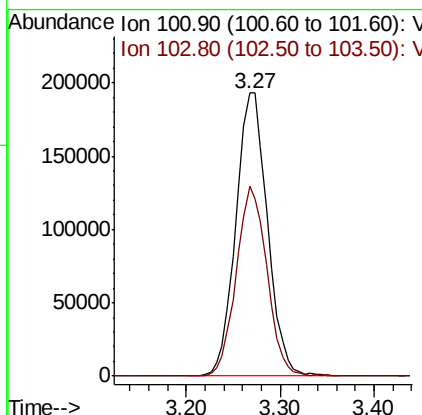
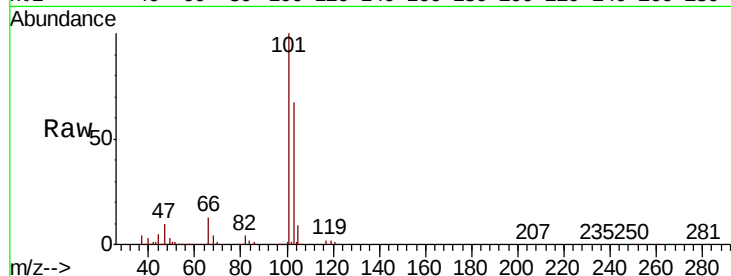
Trichlorofluoromethane
 Concen: 63.341 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.8	76.2

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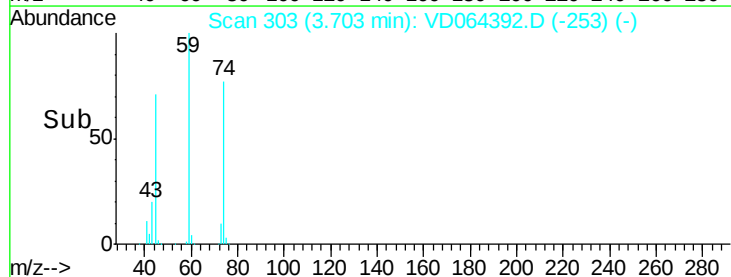
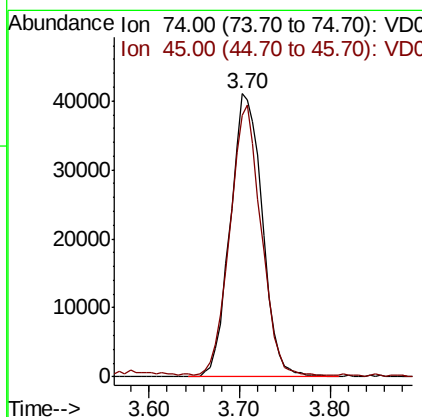
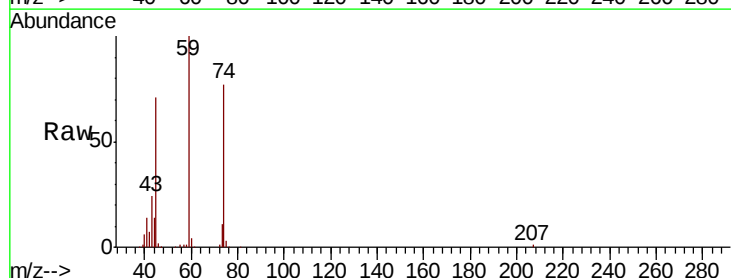
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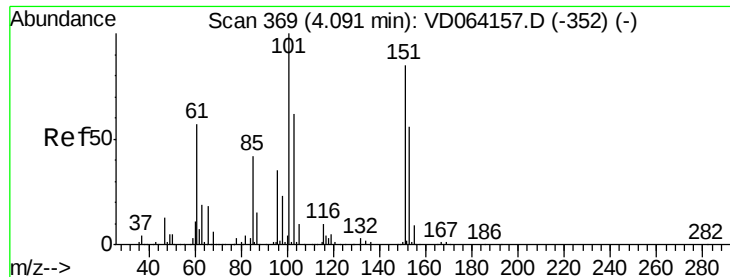


#8

Diethyl Ether
 Concen: 51.510 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.599 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

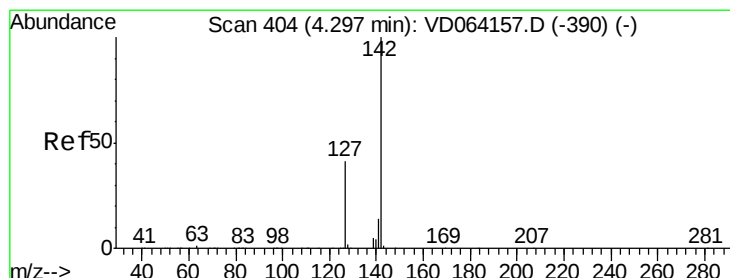
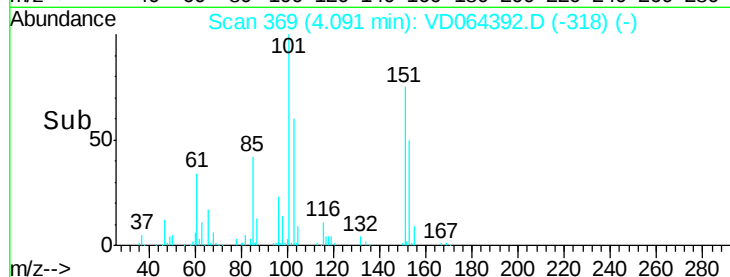
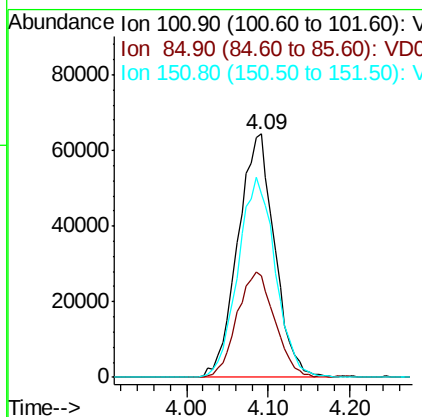
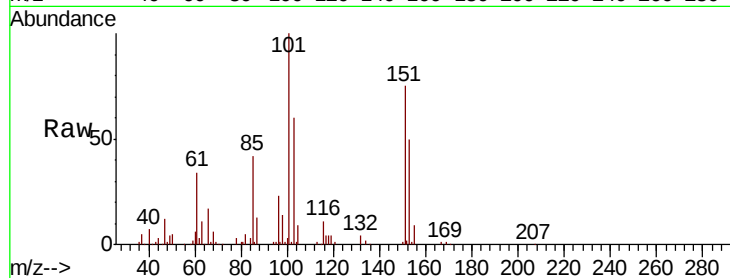
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	201688
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.4	51.6
151	83.6	68.1	102.1

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#10

Methyl Iodide

Concen: 45.351 ug/l

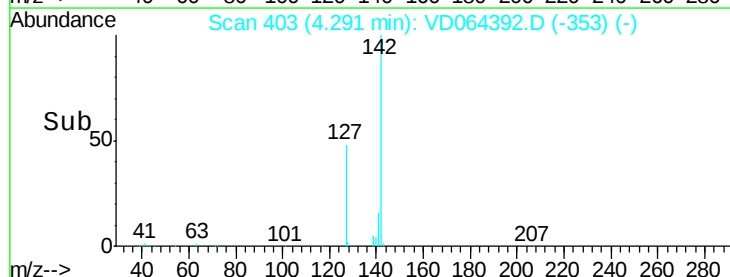
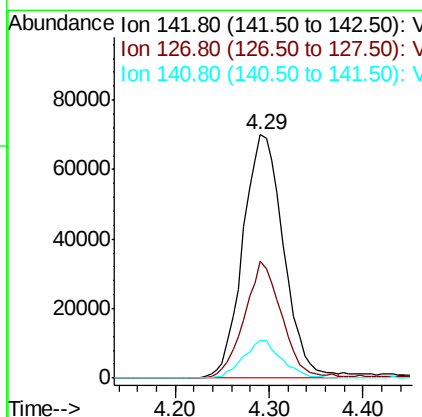
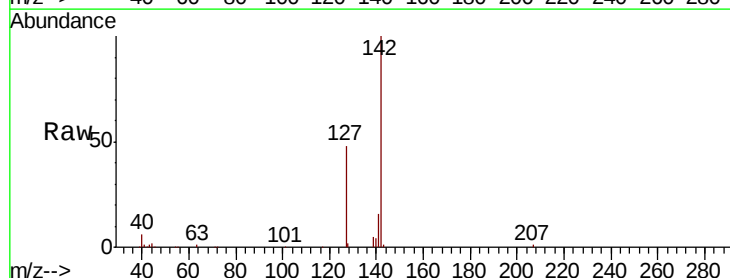
RT: 4.29 min Scan# 403

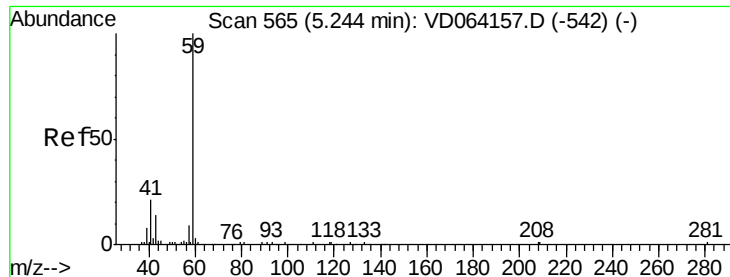
Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	142	Resp:	209597
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.4	51.6
141	14.7	11.2	16.8





#11

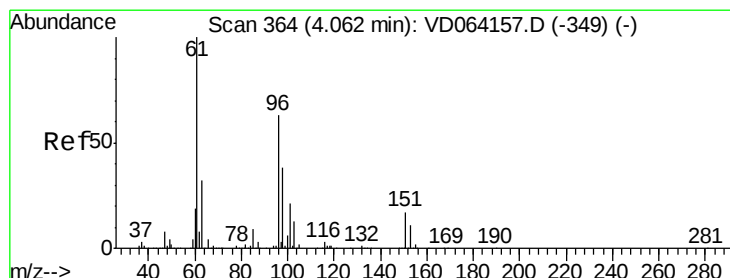
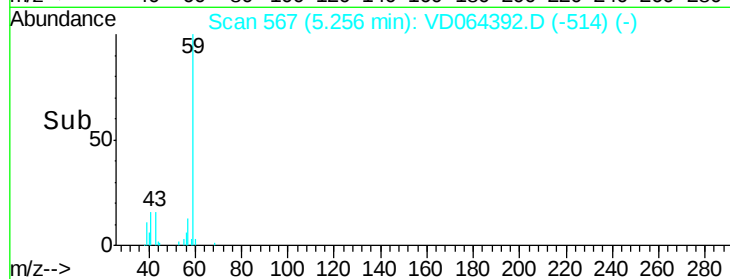
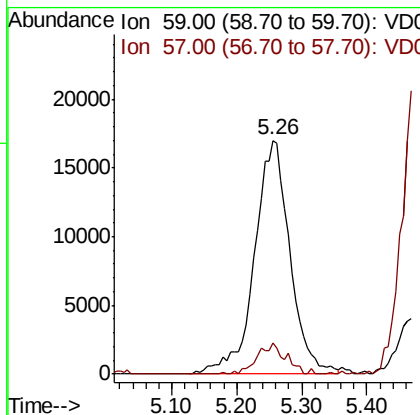
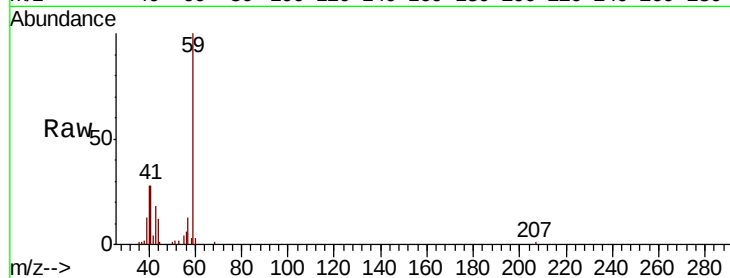
Tert butyl alcohol
Concen: 242.223 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	9.4	14.2

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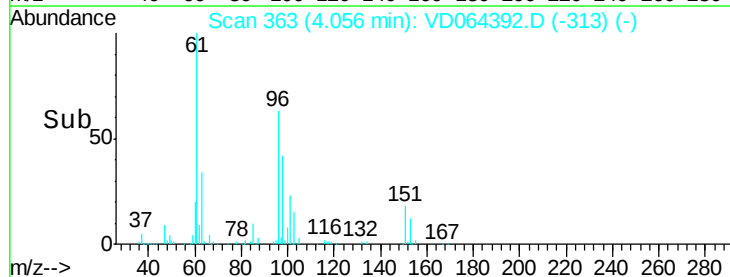
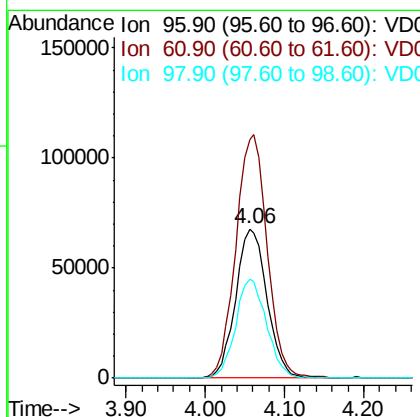
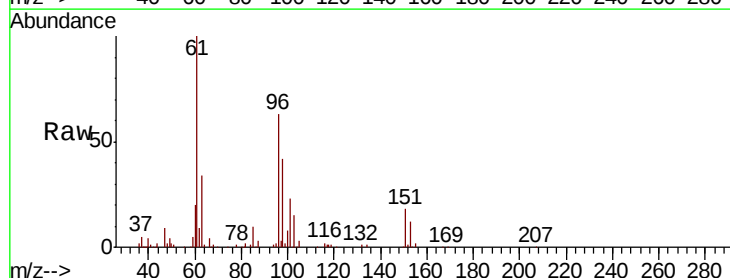
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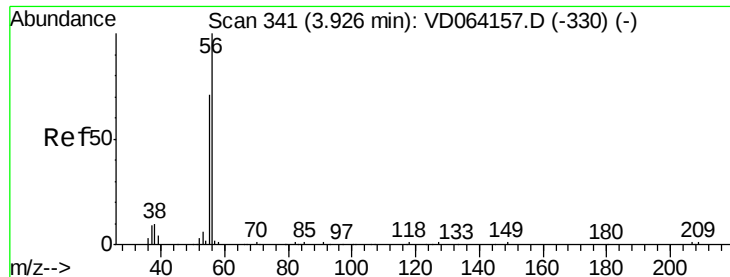


#12

1,1-Dichloroethene
Concen: 48.011 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	159.4	127.4	191.2
98	98	66.6	48.1	72.1





#13

Acrolein

Concen: 277.911 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 62296

Ion Ratio Lower Upper

56 100

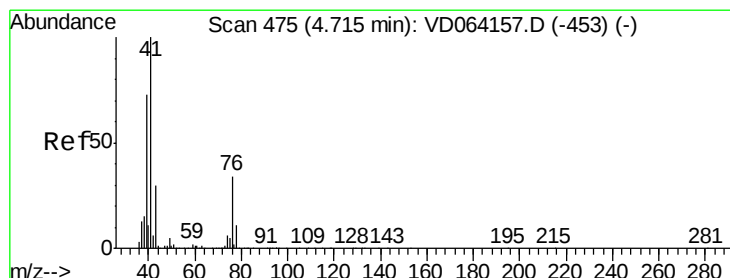
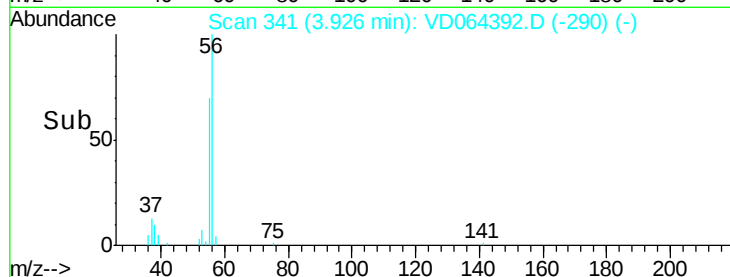
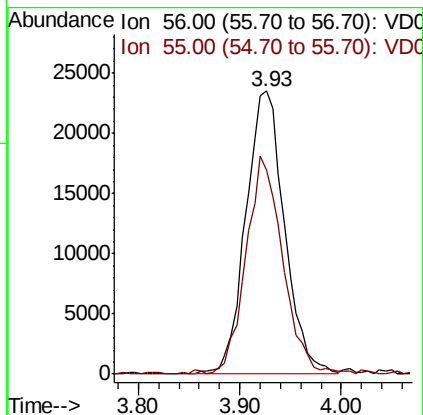
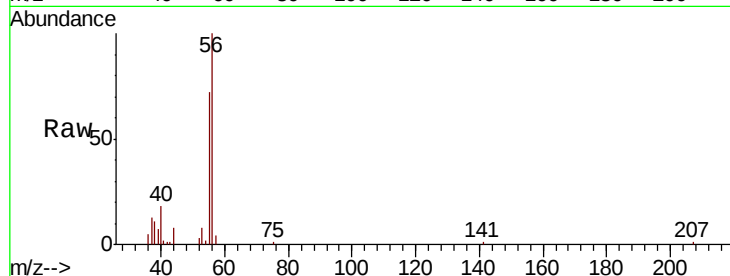
55 73.2 56.1 84.1

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#14

Allyl chloride

Concen: 45.468 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

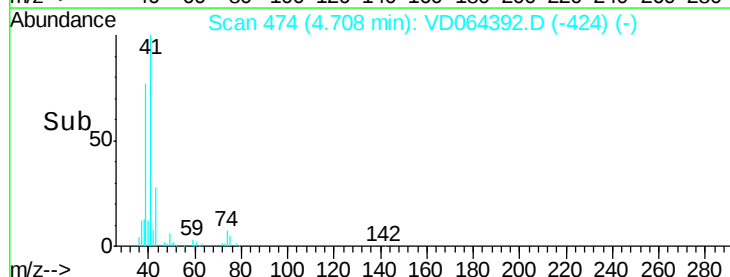
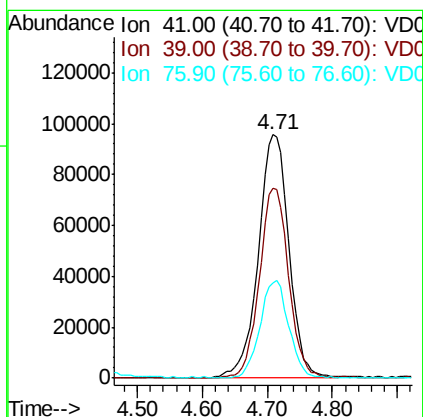
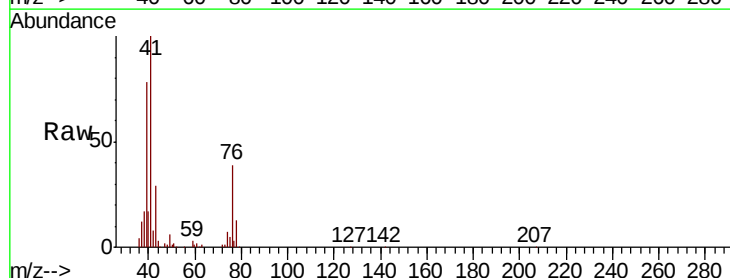
Tgt Ion: 41 Resp: 311592

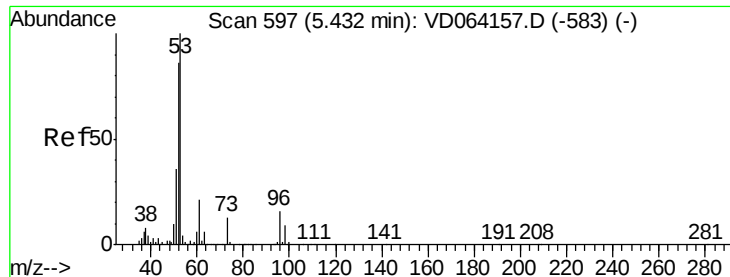
Ion Ratio Lower Upper

41 100

39 74.8 57.5 86.3

76 37.9 26.8 40.2





#15

Acrylonitrile

Concen: 271.044 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

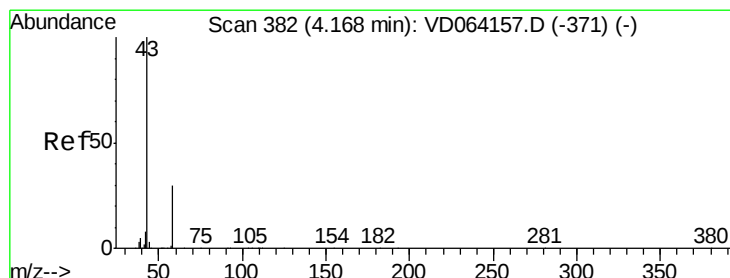
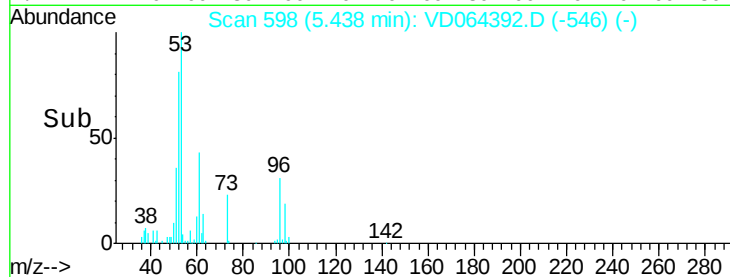
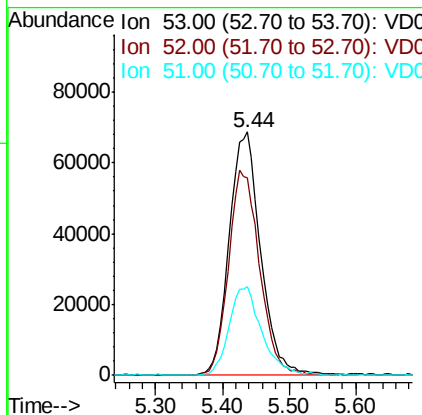
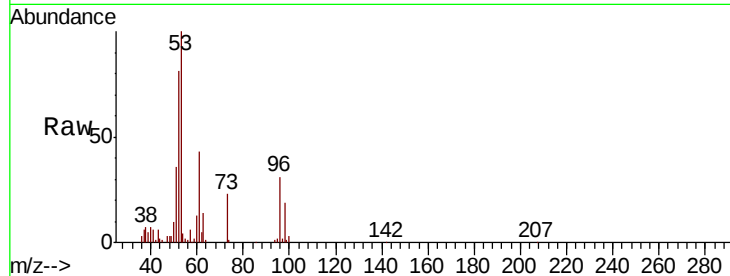
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	226037
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.7	100.1
51	37.6	30.6	46.0

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#16

Acetone

Concen: 259.772 ug/l

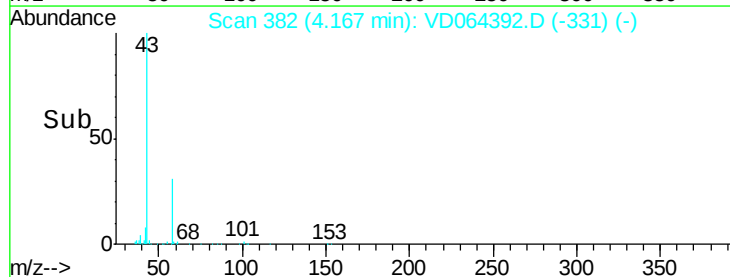
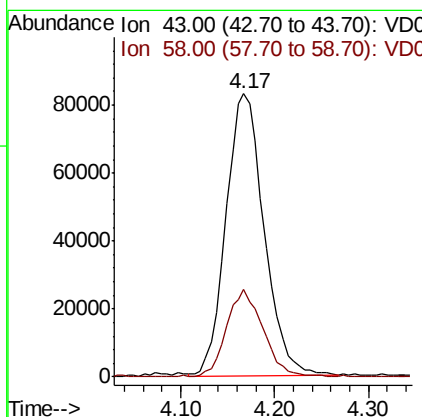
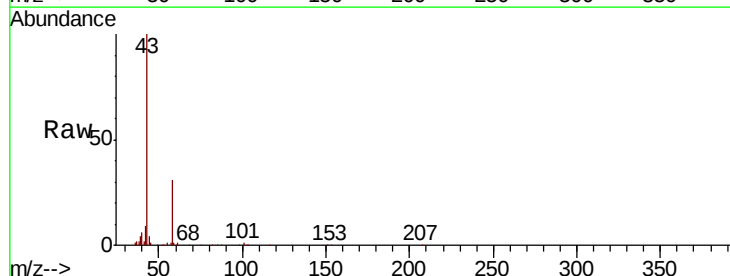
RT: 4.17 min Scan# 382

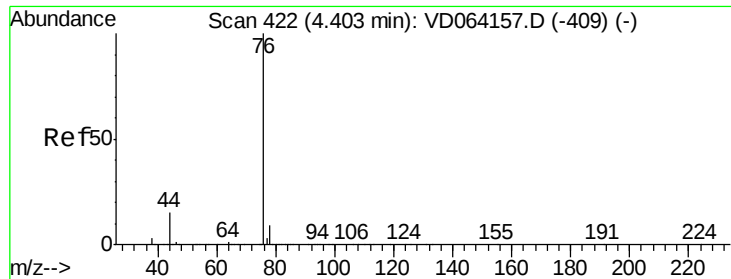
Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	43	Resp:	233462
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.1	36.1





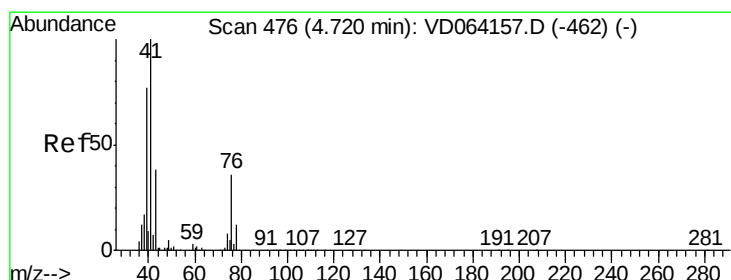
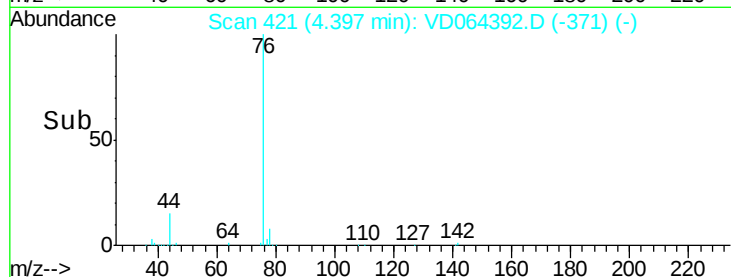
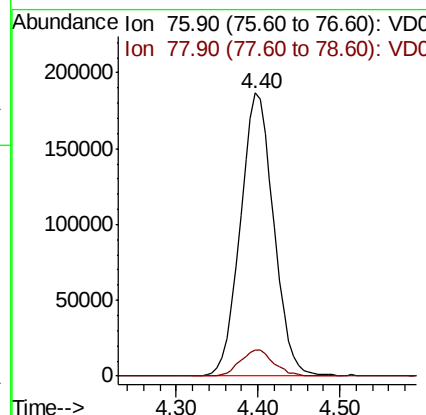
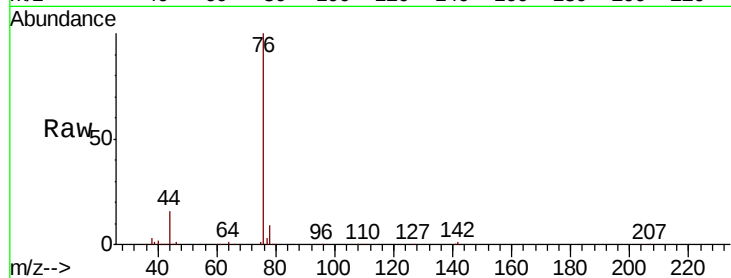
#17
Carbon Disulfide
Concen: 43.794 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

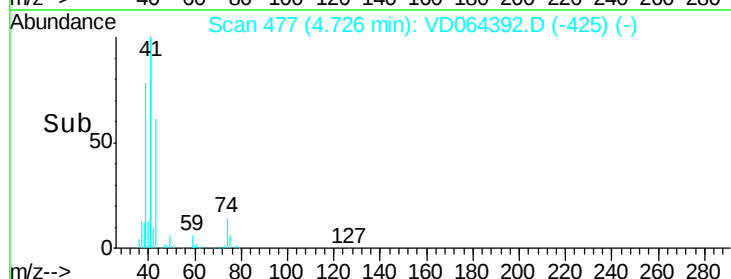
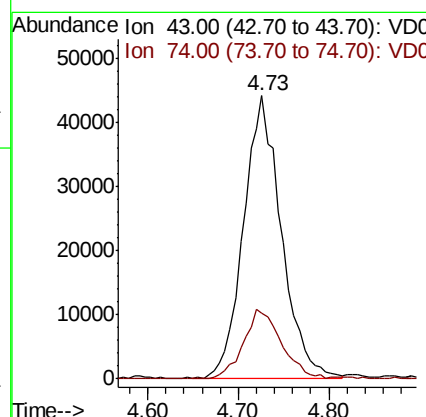
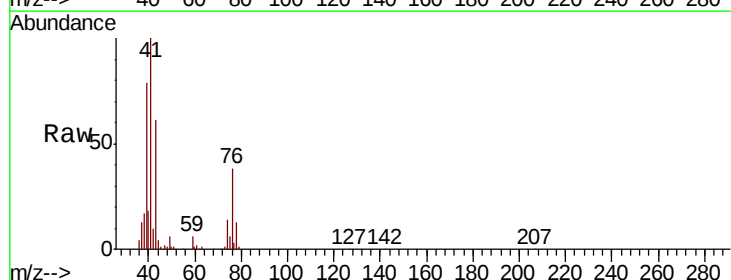
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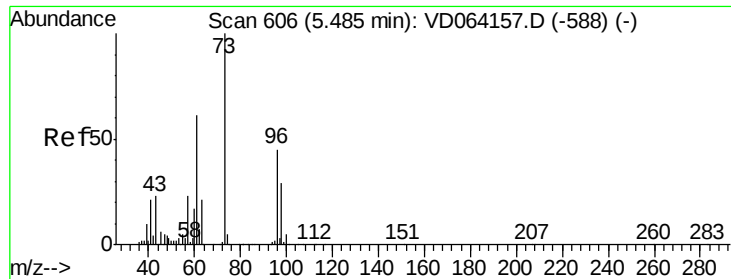
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#18
Methyl Acetate
Concen: 51.072 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.4	27.6





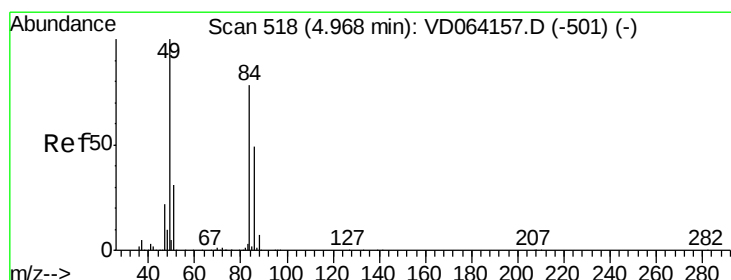
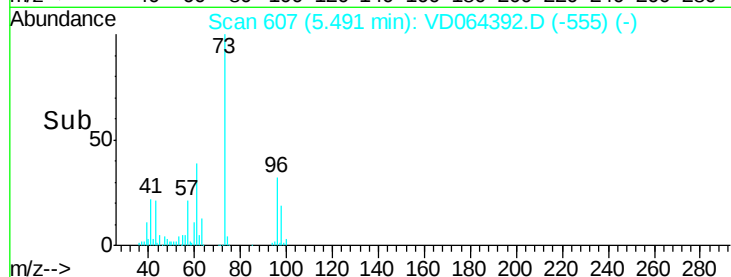
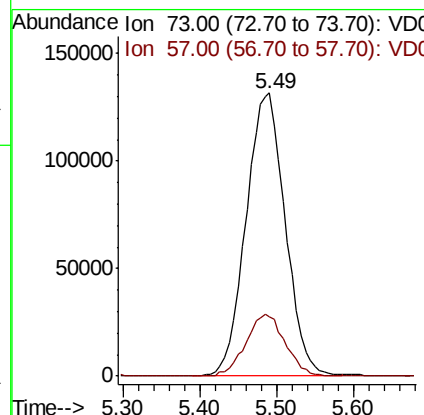
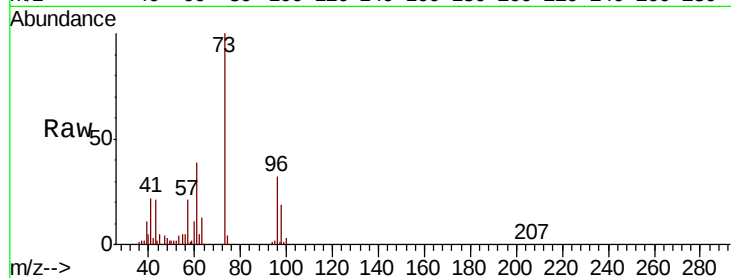
#19
Methyl tert-butyl Ether
Concen: 50.548 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 467720
Ion Ratio Lower Upper
73 100
57 20.9 18.4 27.6

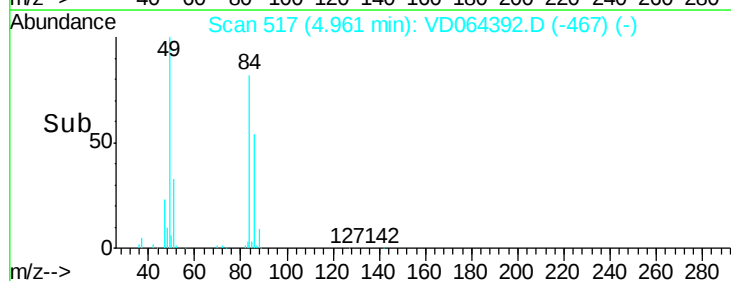
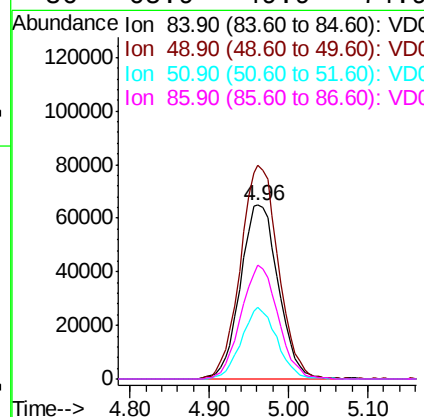
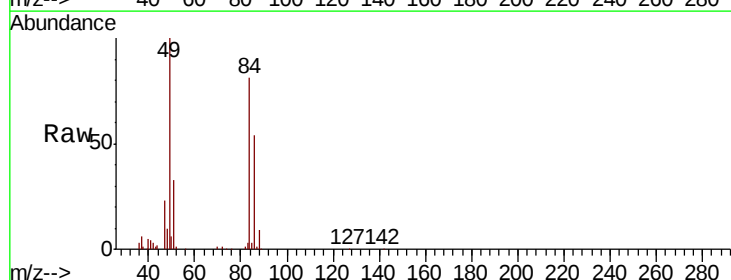
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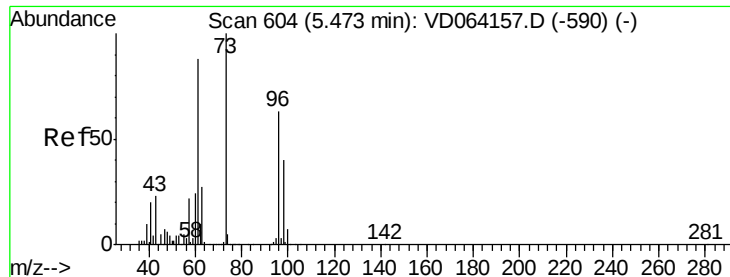
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#20
Methylene Chloride
Concen: 47.555 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion: 84 Resp: 215889
Ion Ratio Lower Upper
84 100
49 122.8 102.1 153.1
51 41.1 32.2 48.2
86 65.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.830 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 218819

Ion Ratio Lower Upper

96 100

61 129.8 111.8 167.6

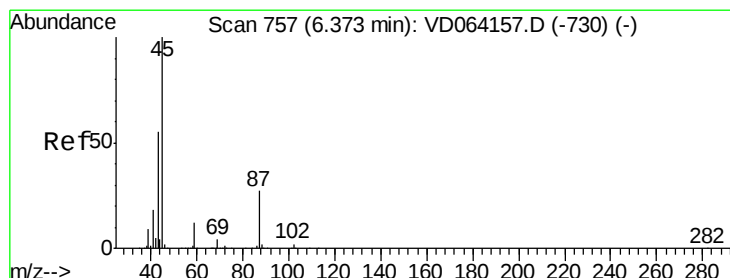
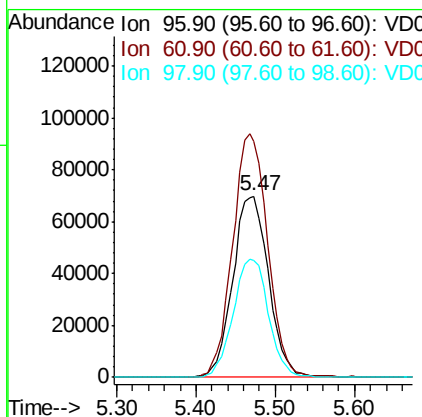
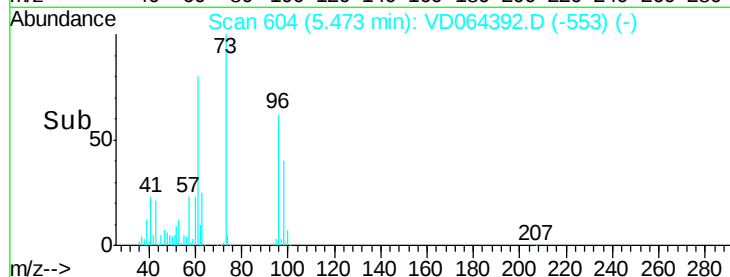
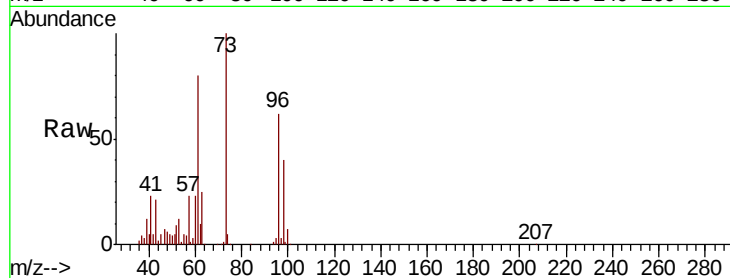
98 64.4 50.3 75.5

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#22

Diisopropyl ether

Concen: 49.279 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion: 45 Resp: 626595

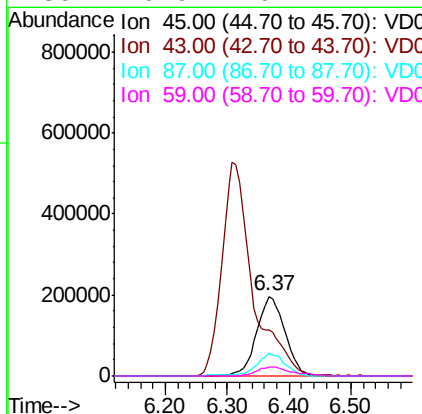
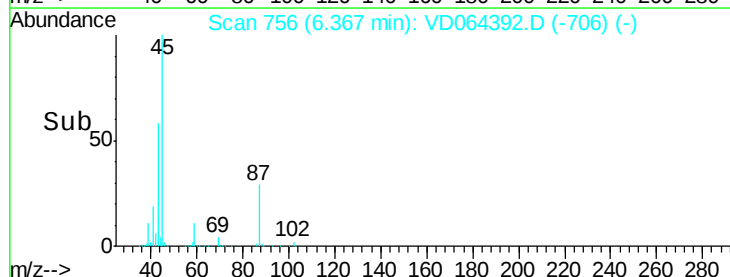
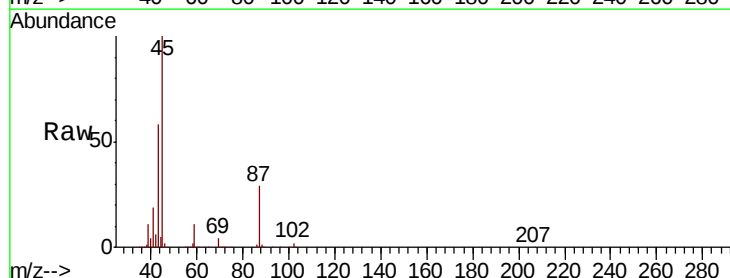
Ion Ratio Lower Upper

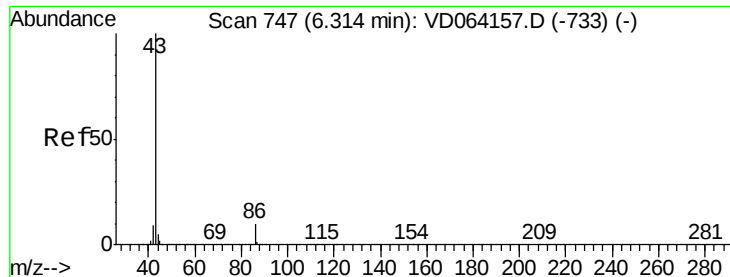
45 100

43 57.8 44.4 66.6

87 28.5 21.9 32.9

59 10.9 9.4 14.2





#23

Vinyl Acetate

Concen: 257.132 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1822493

Ion Ratio Lower Upper

43 100

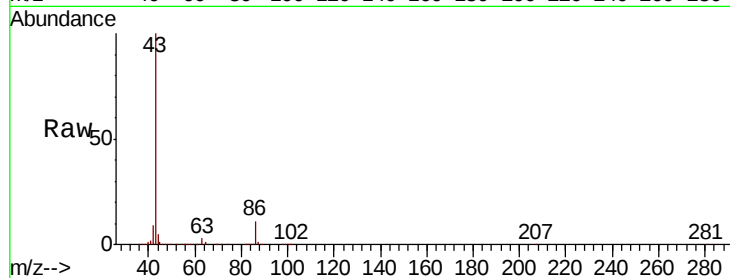
86 11.4 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

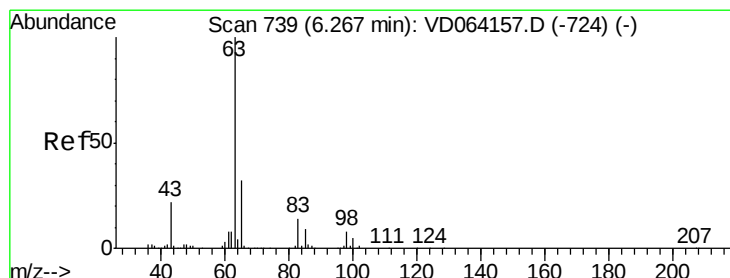
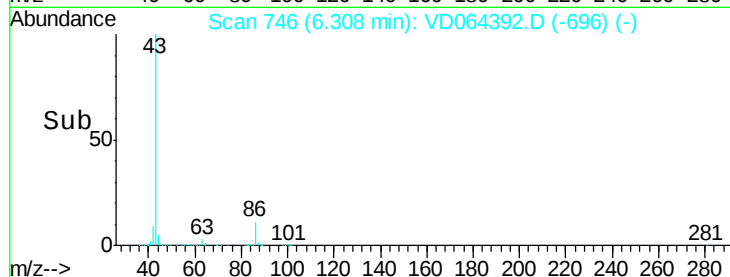
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.192 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

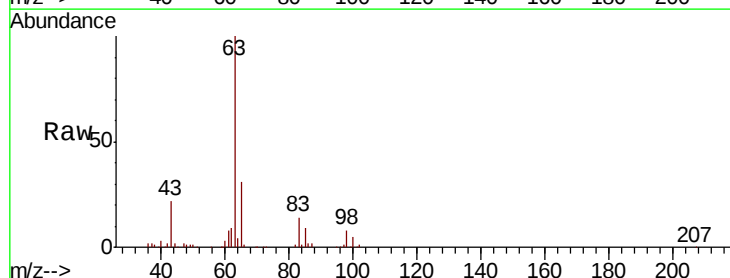
Tgt Ion: 63 Resp: 377940

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

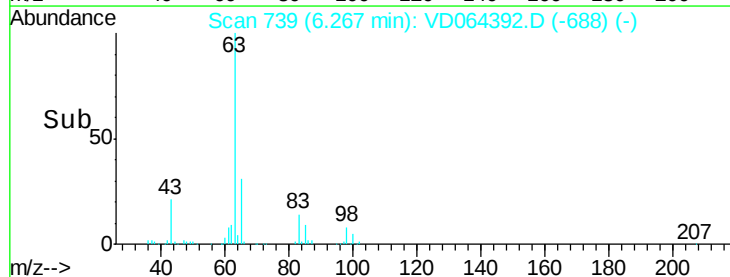
150000

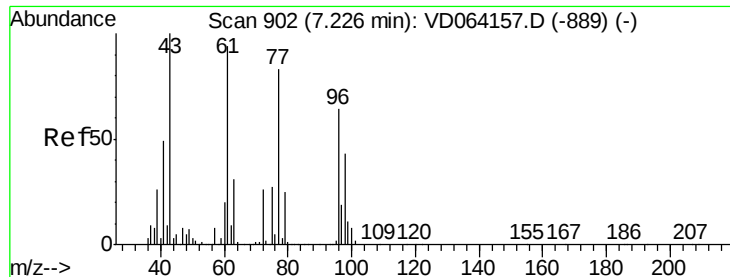
100000

50000

0

Time-->





#25

2-Butanone

Concen: 258.282 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 299890

Ion Ratio Lower Upper

43 100

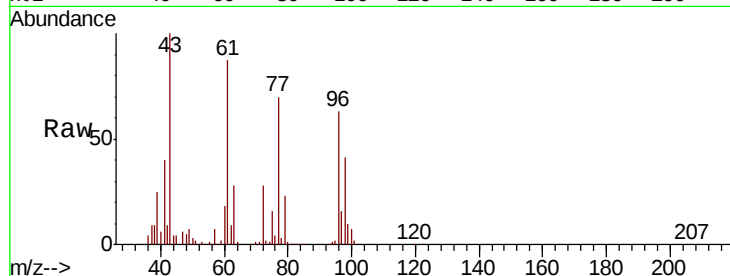
72 28.4 20.6 30.8

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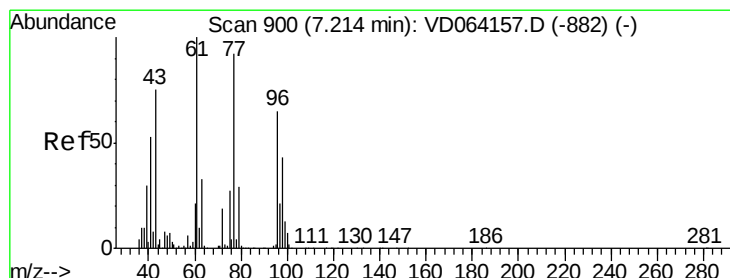
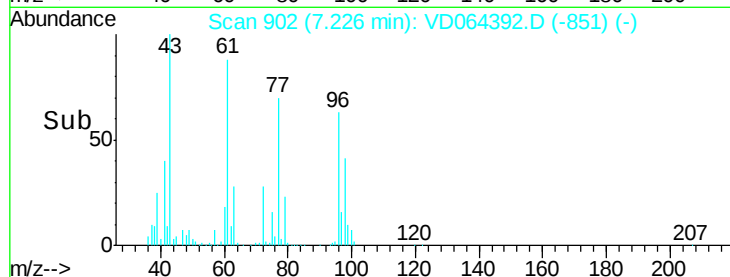
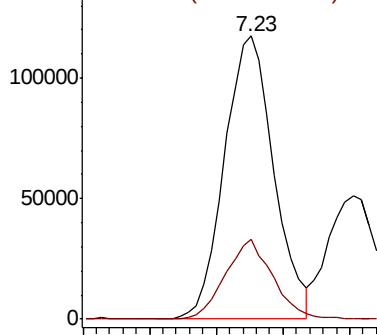
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.328 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064392.D

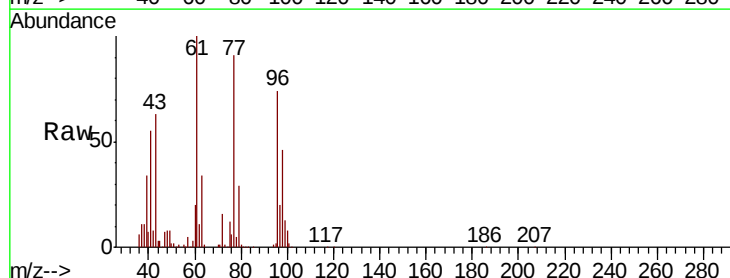
Acq: 26 Nov 2019 19:06

Tgt Ion: 77 Resp: 328181

Ion Ratio Lower Upper

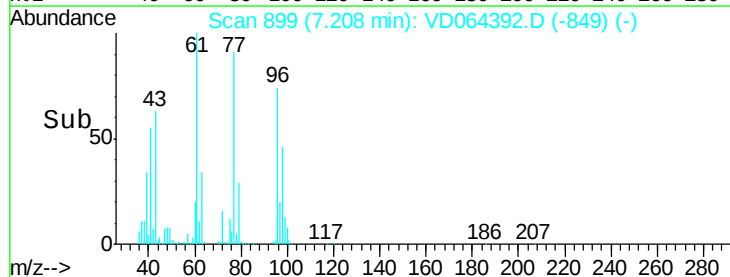
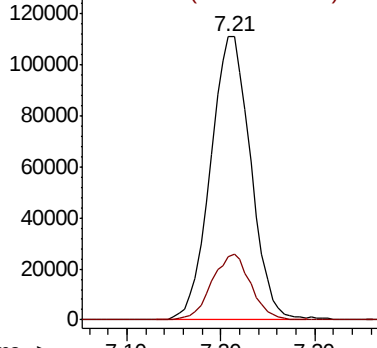
77 100

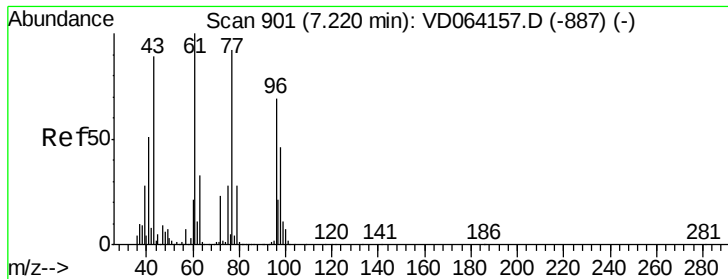
97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

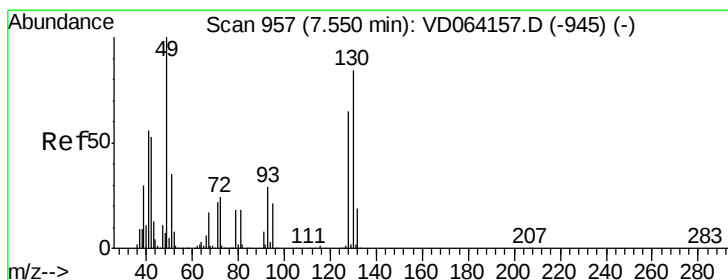
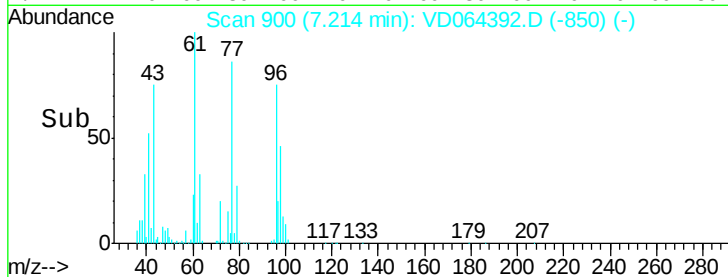
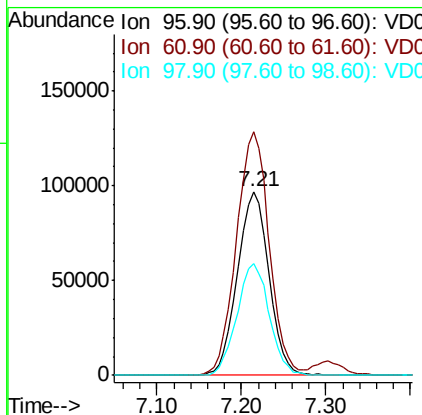
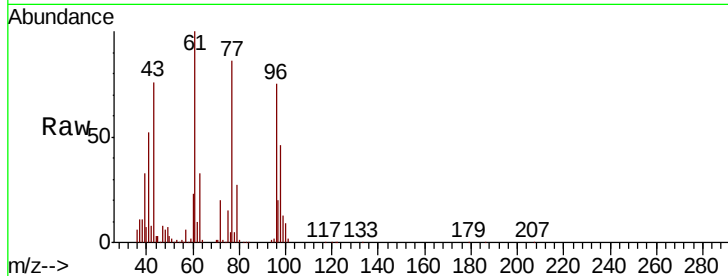
cis-1,2-Dichloroethene
 Concen: 53.442 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251670		
61	137.4	0.0	301.4	
98	62.5	0.0	133.2	

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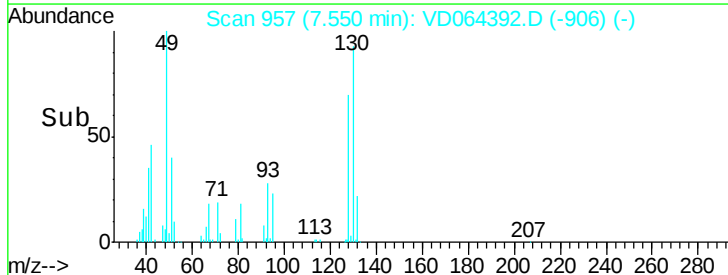
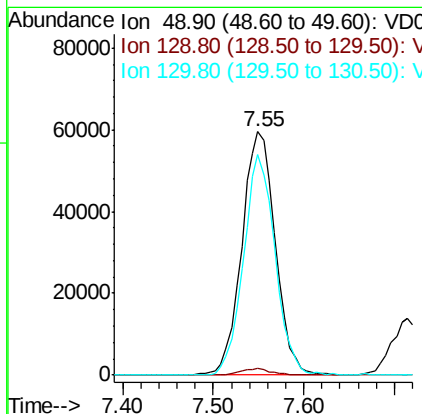
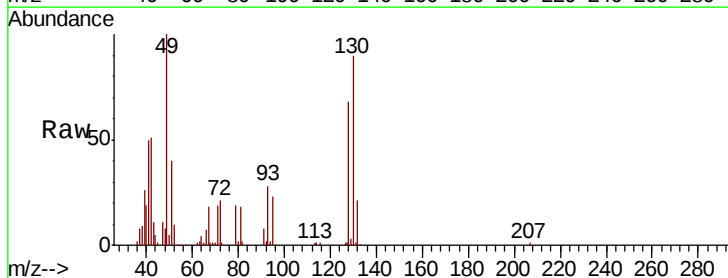
apatel
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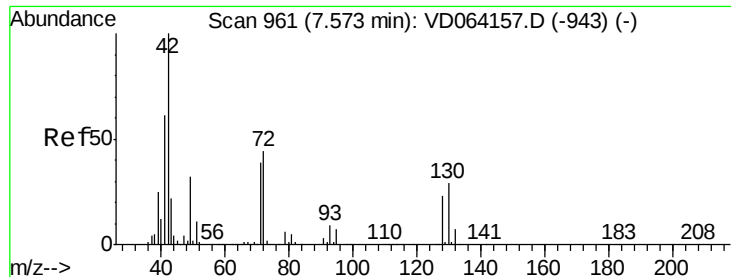


#28

Bromochloromethane
 Concen: 59.293 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	152403		
129	2.5	0.0	4.4	
130	85.6	66.8	100.2	





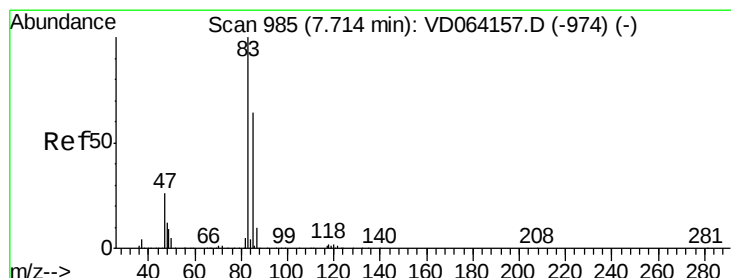
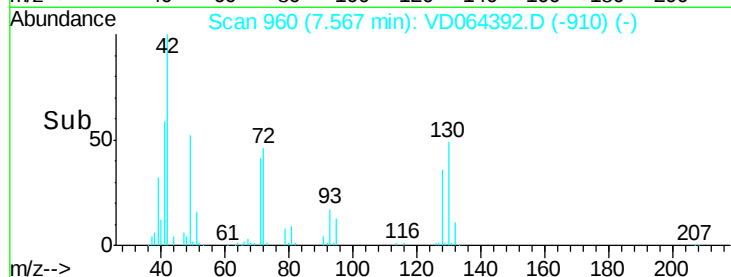
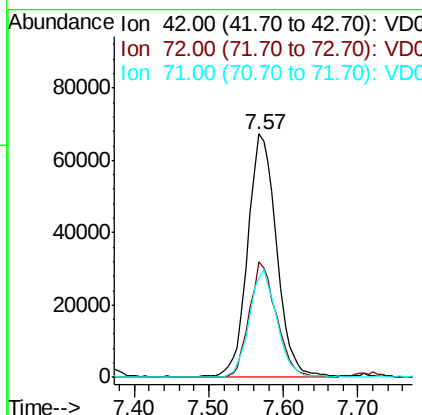
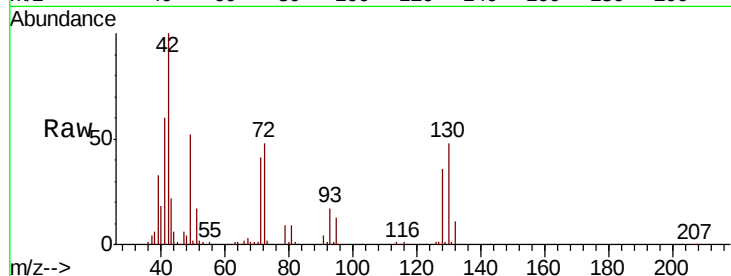
#29
Tetrahydrofuran
Concen: 261.145 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	33.4	50.2
71	41.9	31.0	46.4

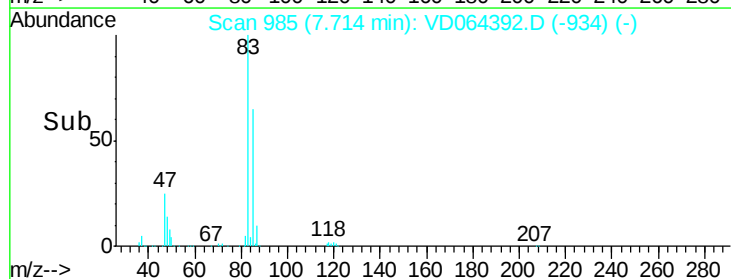
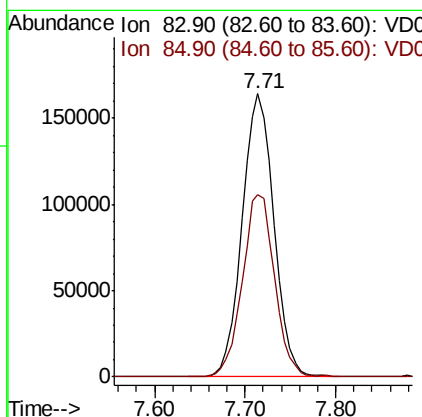
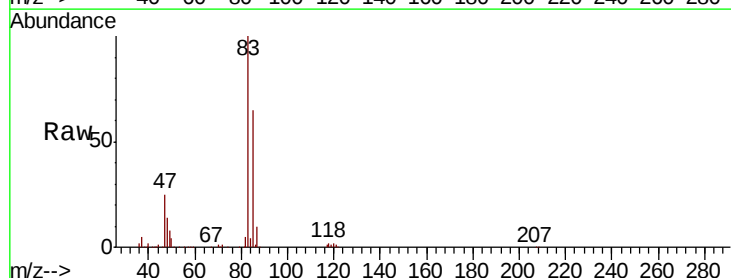
Manual Integrations
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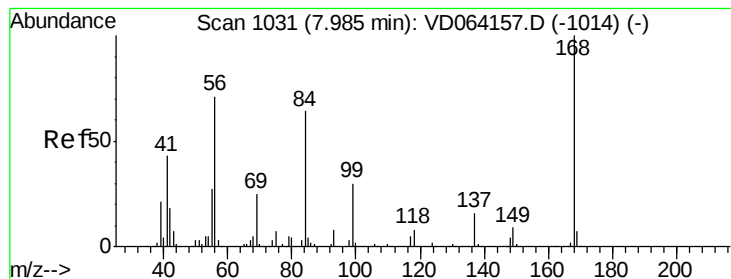
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#30
Chloroform
Concen: 52.789 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0





#31

Cyclohexane

Concen: 43.993 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 327558

Ion Ratio Lower Upper

56 100

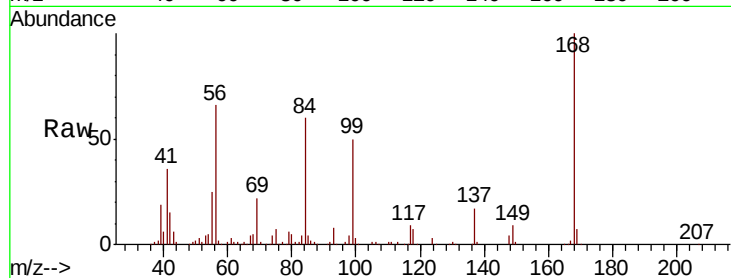
69 32.9 28.2 42.4

84 88.9 71.8 107.6

Manual Integrations
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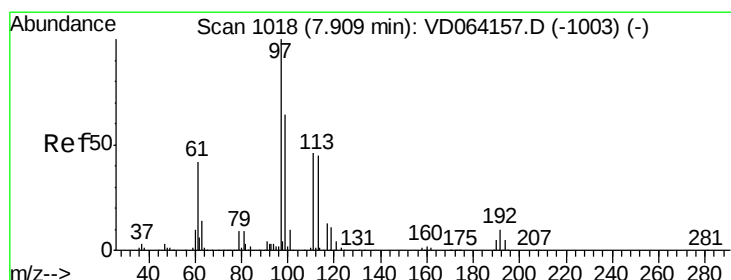
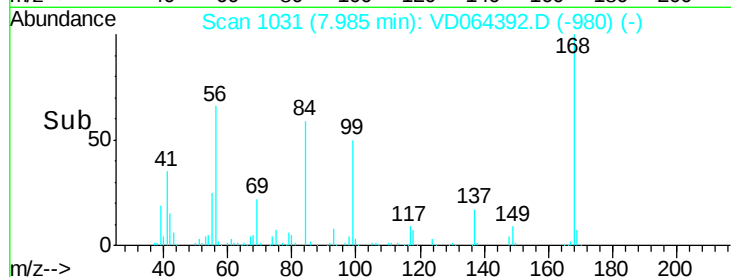
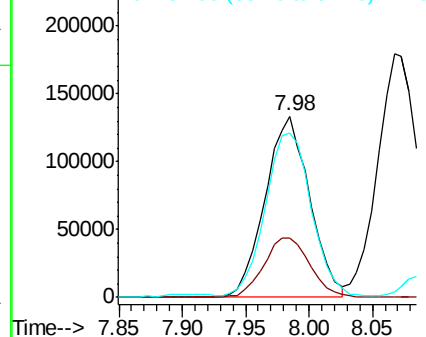
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 49.186 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

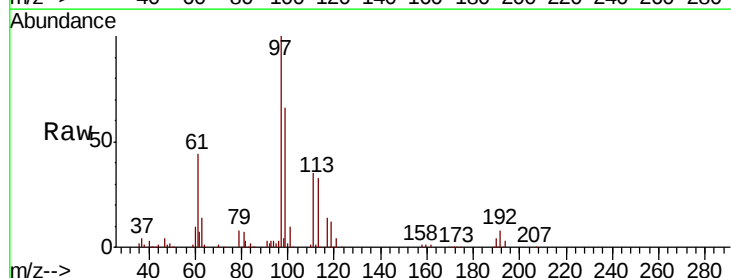
Tgt Ion: 97 Resp: 355667

Ion Ratio Lower Upper

97 100

99 66.2 51.6 77.4

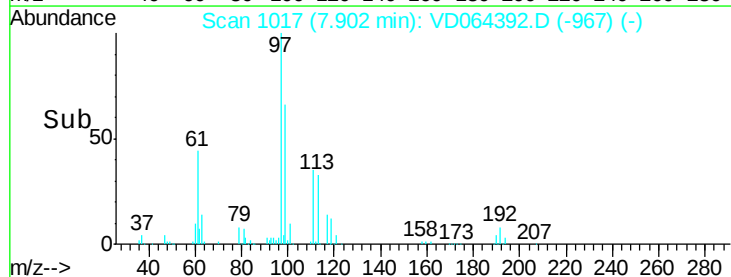
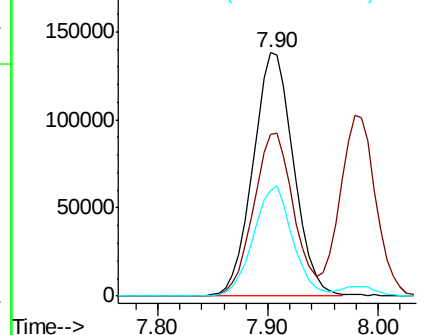
61 43.9 34.2 51.2

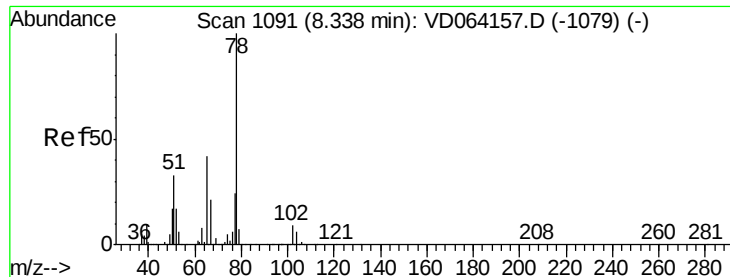


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.861 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 192948

Ion Ratio Lower Upper

65 100

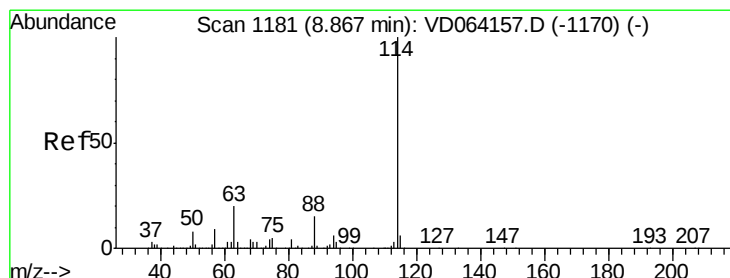
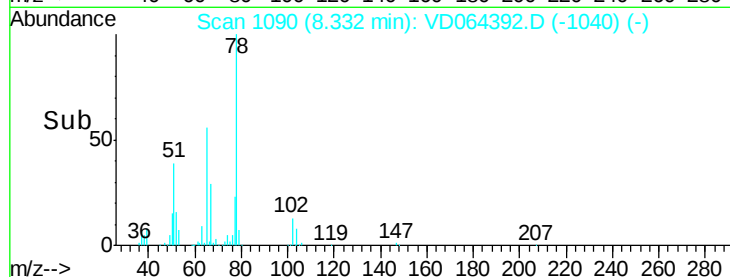
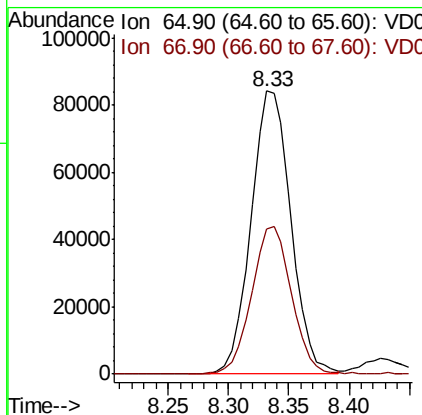
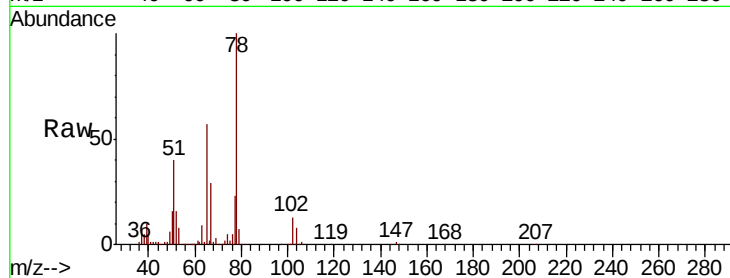
67 52.3 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

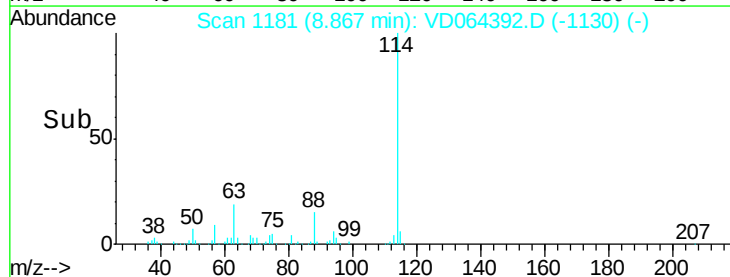
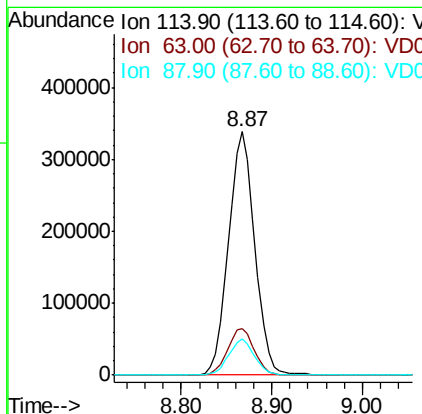
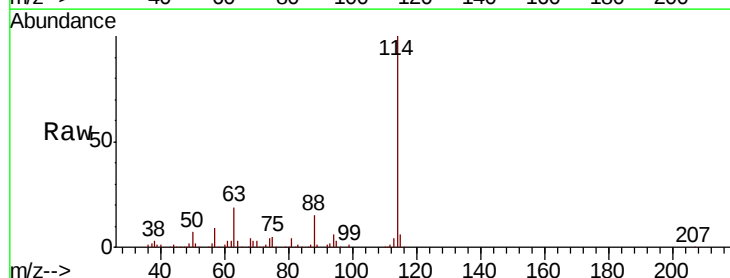
Tgt Ion: 114 Resp: 680927

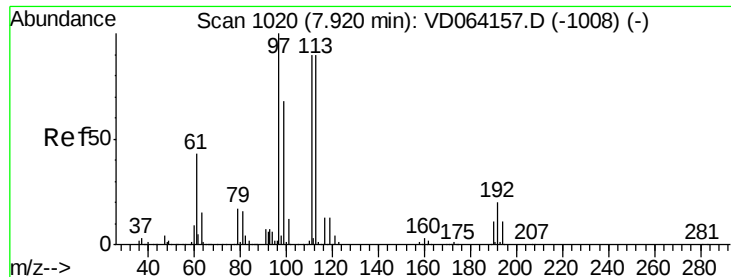
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 14.6 0.0 30.2





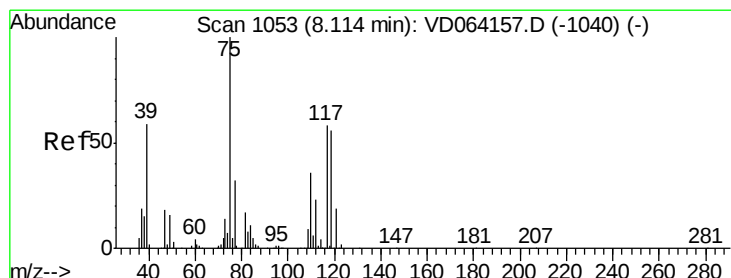
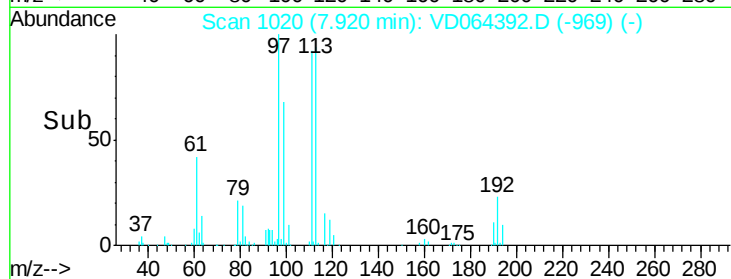
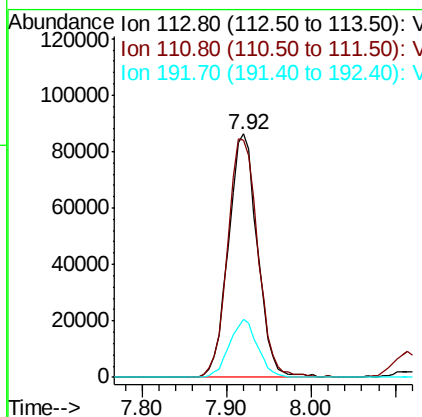
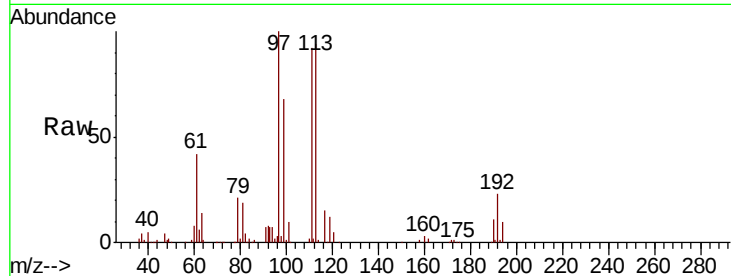
#35
Dibromofluoromethane
Concen: 51.991 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	23.1	18.8	28.2

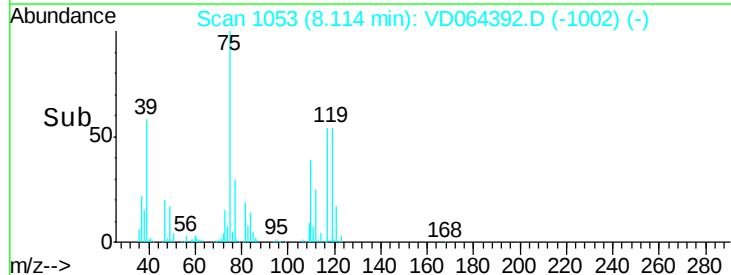
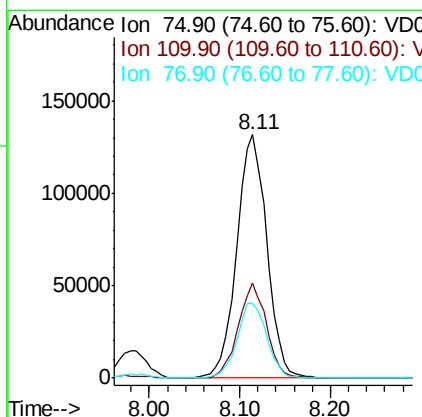
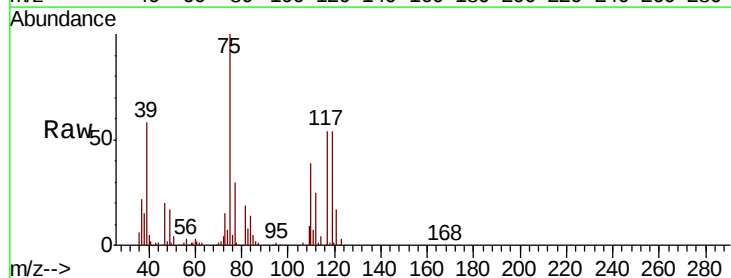
Manual Integrations
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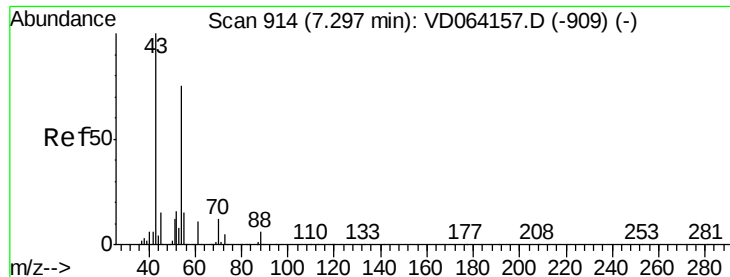
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#36
1,1-Dichloropropene
Concen: 48.108 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.3	54.9
77	30.7	25.0	37.6





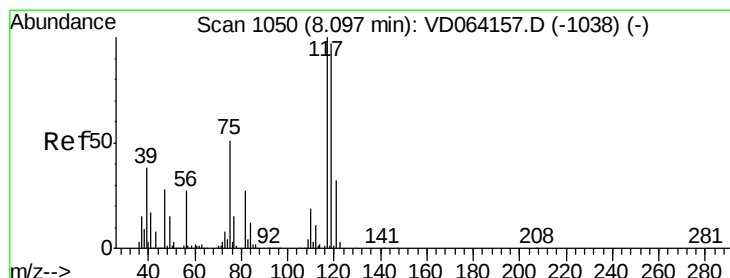
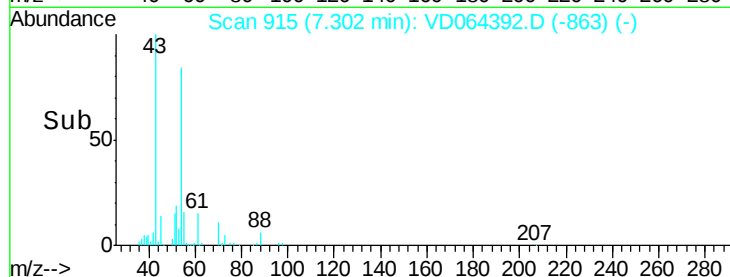
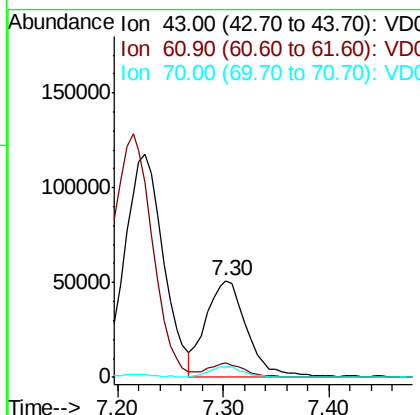
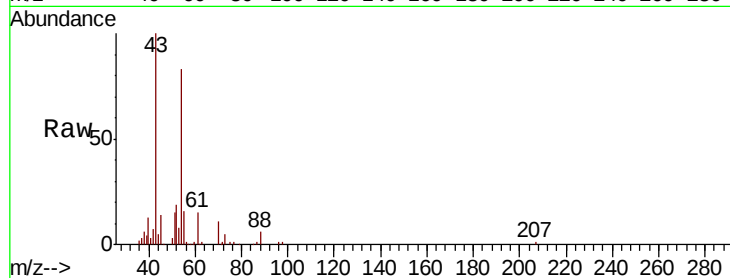
#37
Ethyl Acetate
Concen: 50.899 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	10.2	8.5	12.7

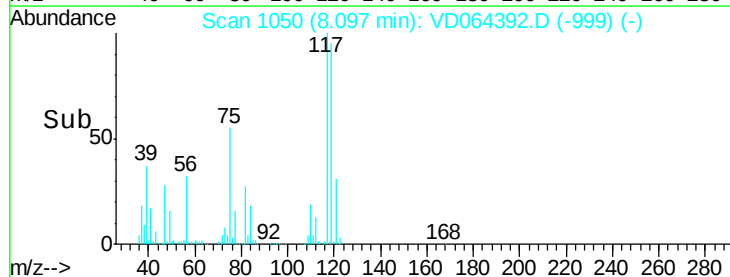
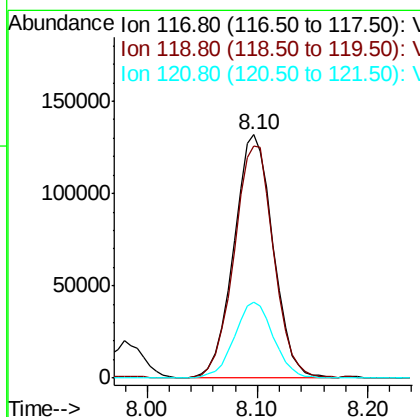
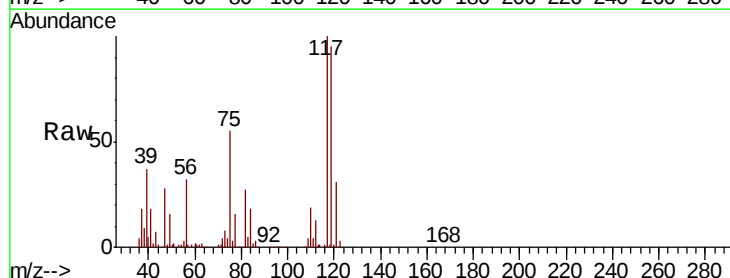
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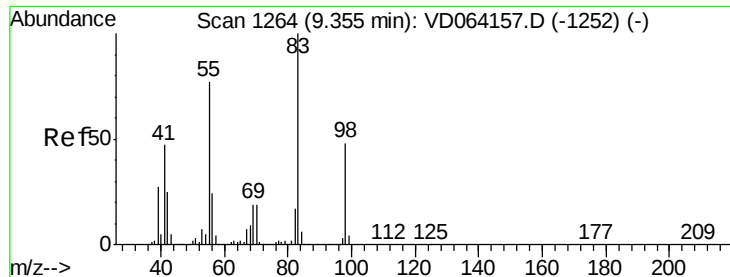
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#38
Carbon Tetrachloride
Concen: 48.688 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.2	115.8
121	31.0	25.5	38.3





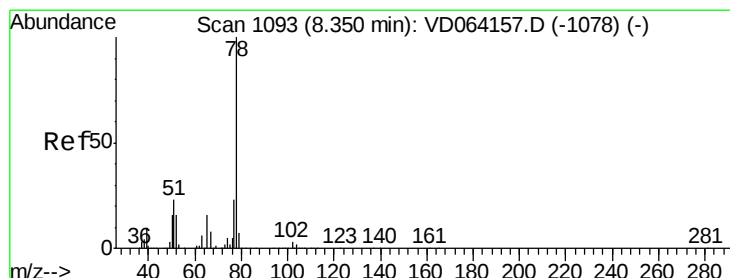
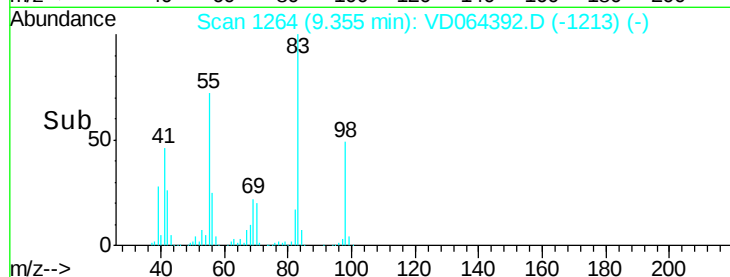
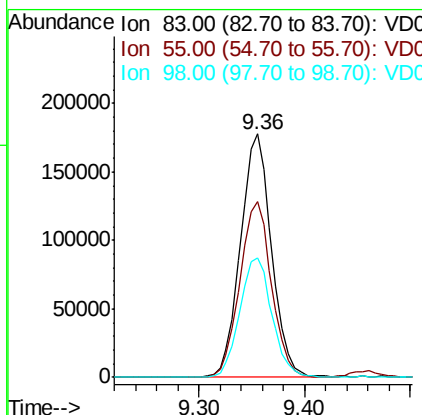
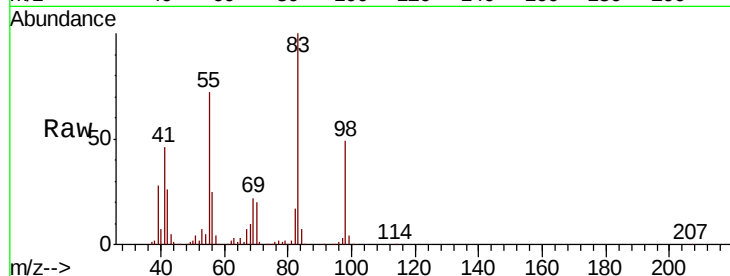
#39
Methvlcvclohexane
Concen: 45.599 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	61.7	92.5
98	49.2	38.6	58.0

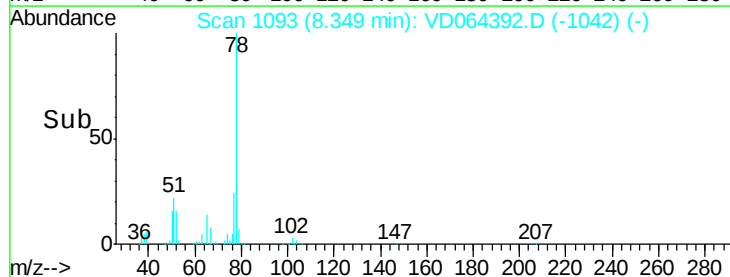
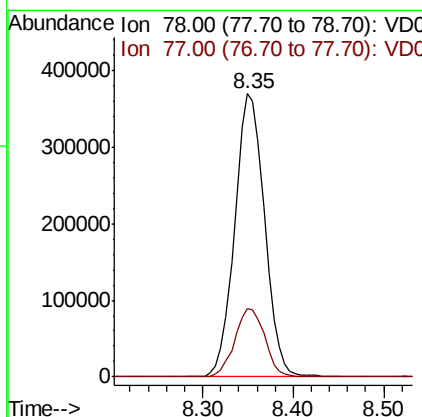
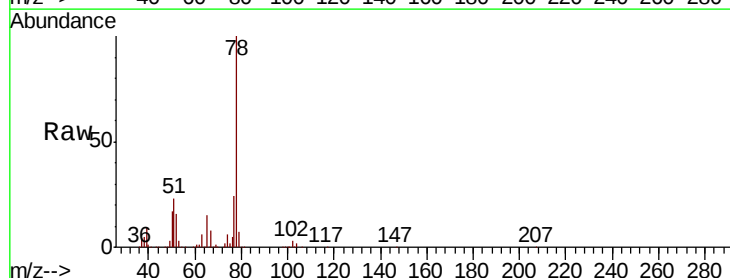
Manual Integrations
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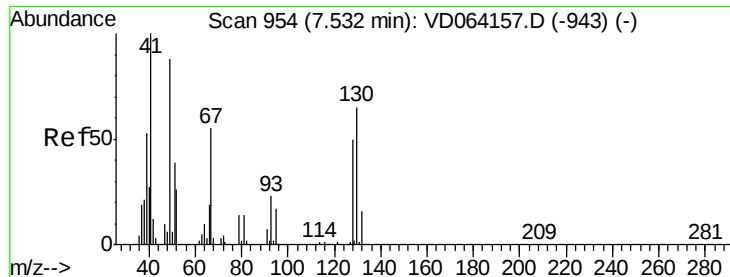
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#40
Benzene
Concen: 49.262 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0





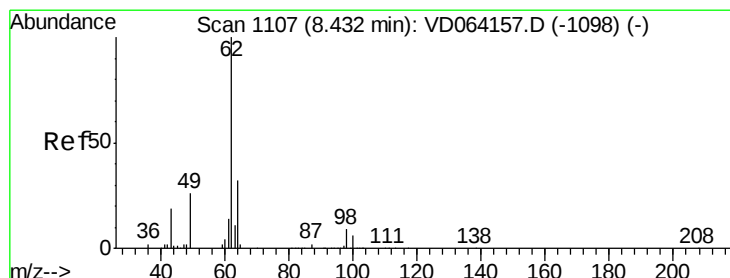
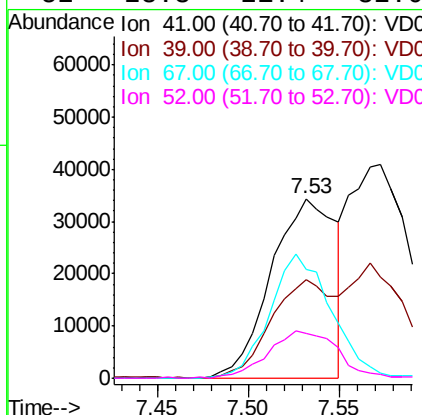
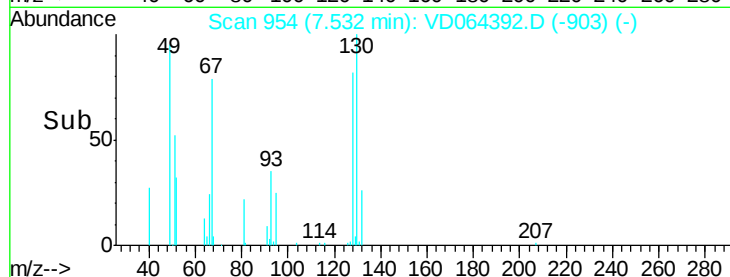
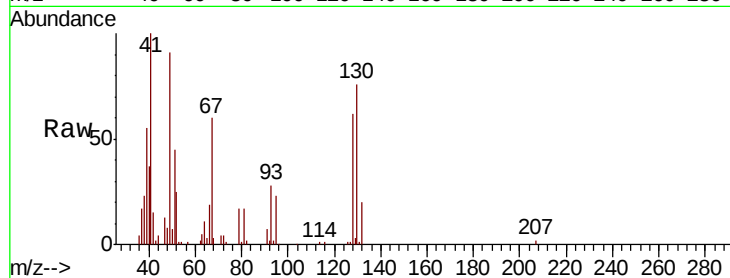
#41
Methacrylonitrile
Concen: 51.145 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	49.4	74.2	
67	66.9	49.6	74.4	
52	28.3	21.4	32.0	

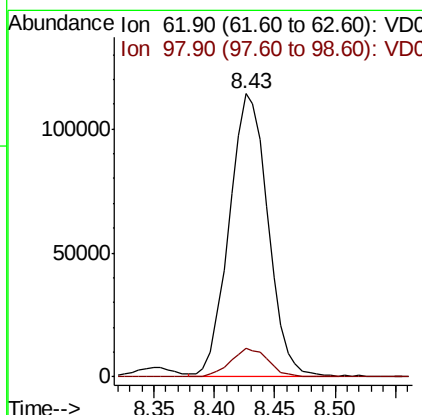
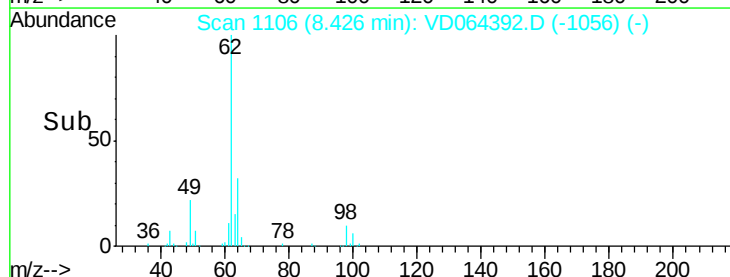
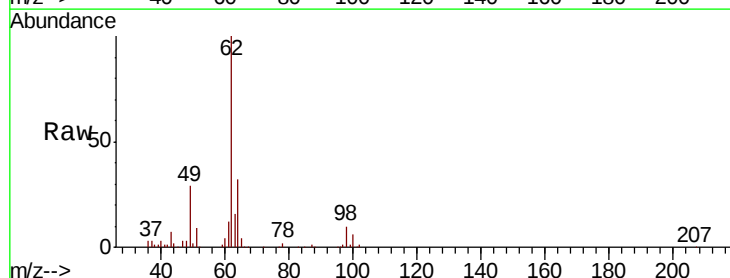
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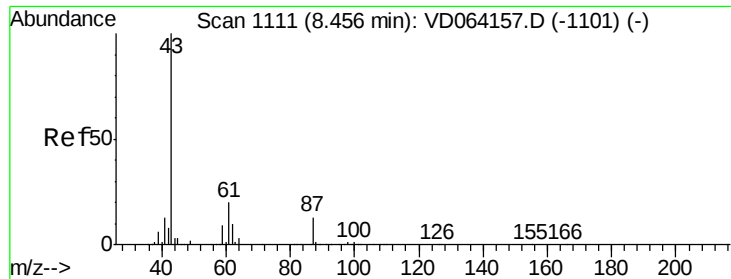
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#42
1,2-Dichloroethane
Concen: 49.220 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.0	





#43

Isopropyl Acetate

Concen: 48.371 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

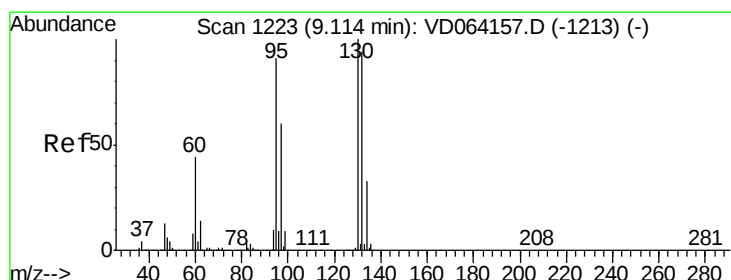
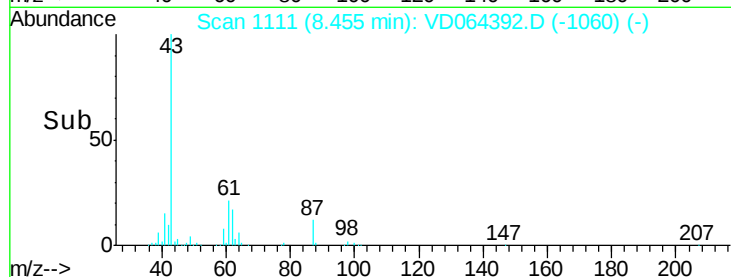
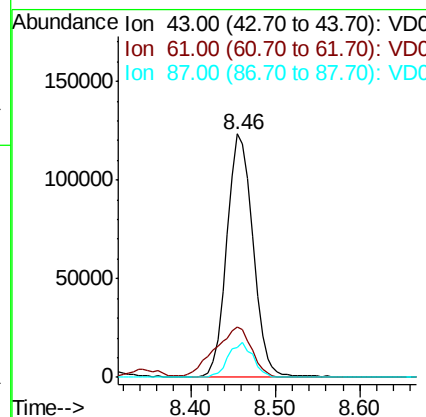
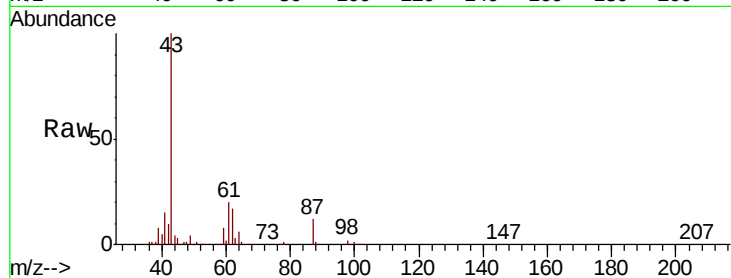
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	264041
Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.9	34.3
87	13.7	10.2	15.2

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#44

Trichloroethene

Concen: 49.727 ug/l

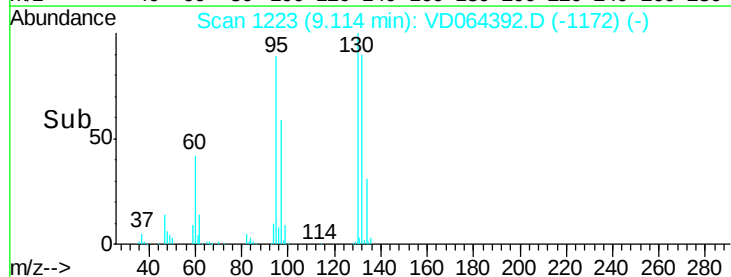
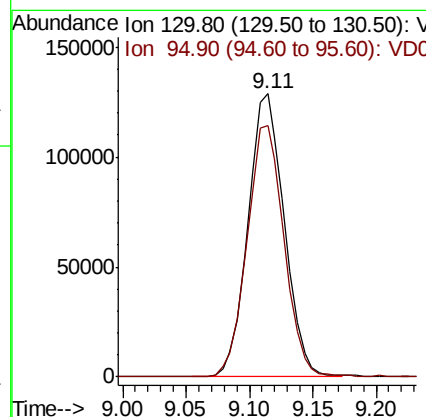
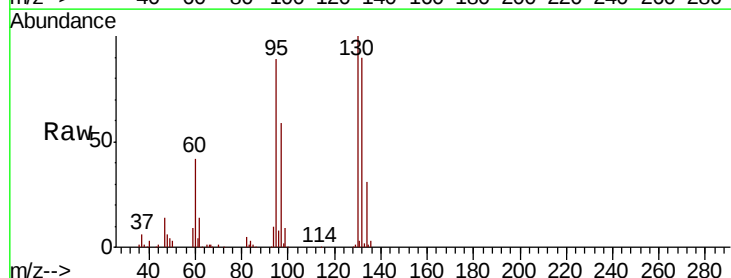
RT: 9.11 min Scan# 1223

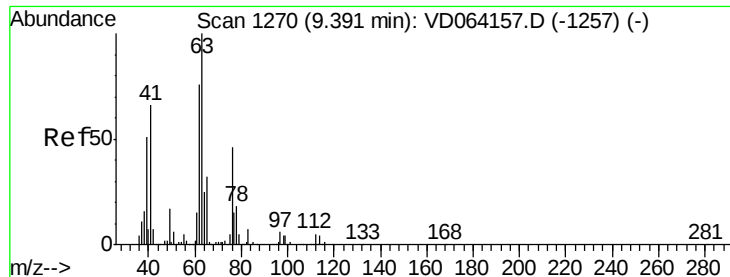
Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	130	Resp:	256334
Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	181.6





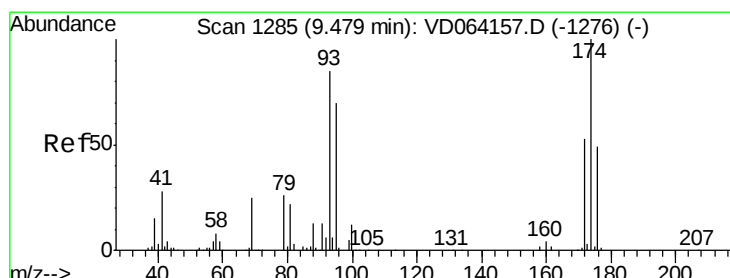
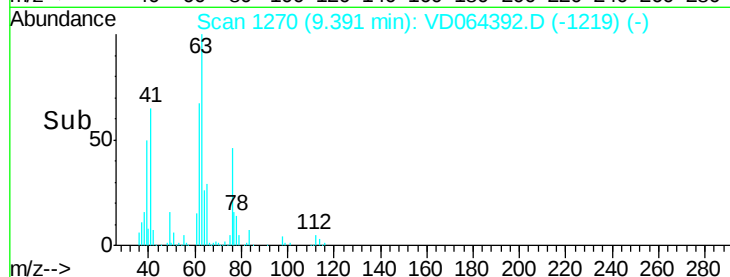
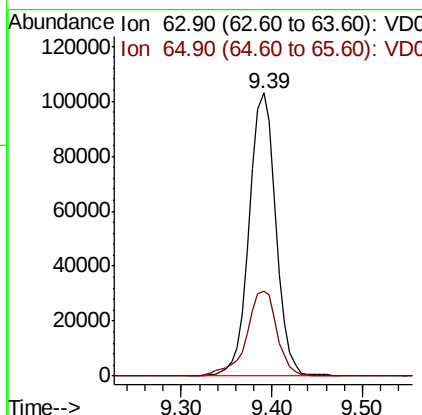
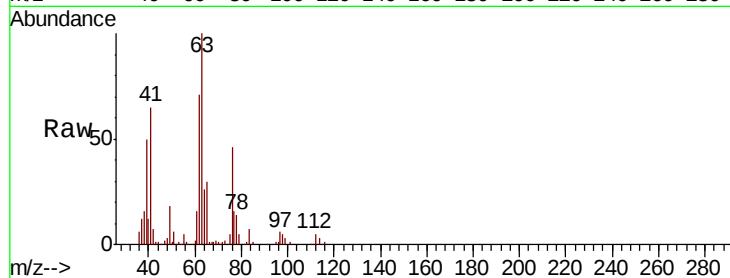
#45
 1,2-Dichloropropane
 Concen: 50.454 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.7	38.5

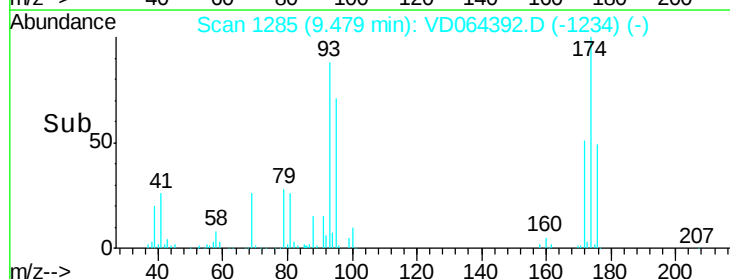
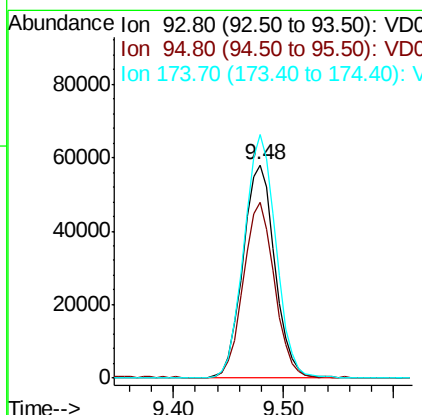
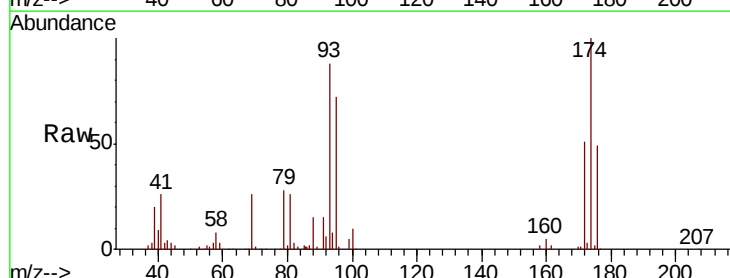
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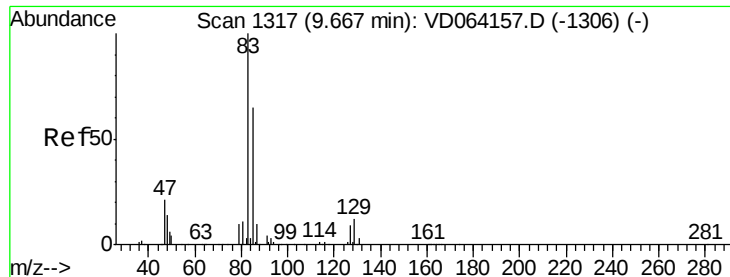
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#46
 Dibromomethane
 Concen: 52.843 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	65.5	98.3
174	113.7	93.9	140.9





#47

Bromodichloromethane

Concen: 51.120 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

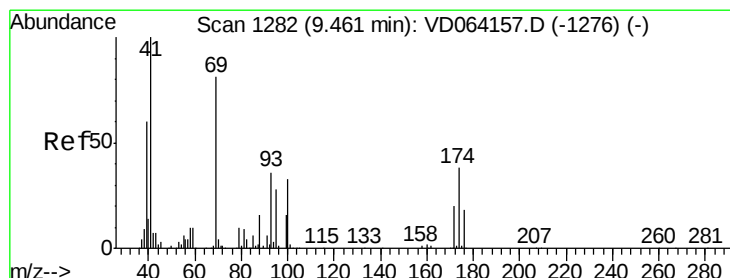
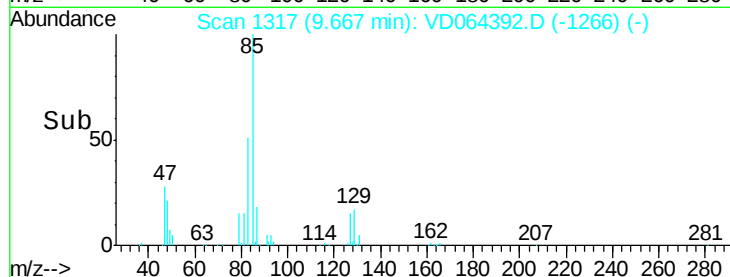
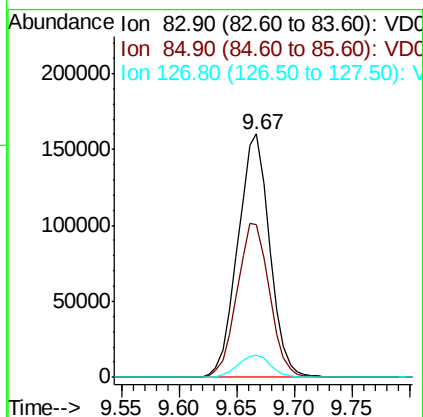
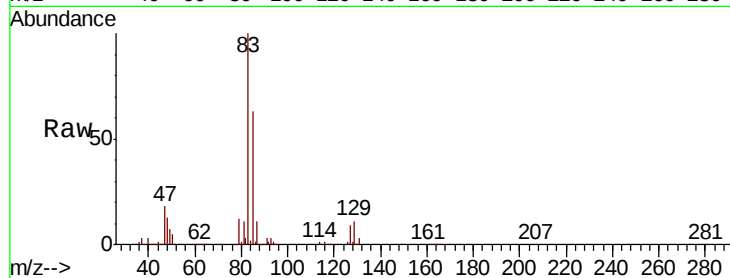
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	308171
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4
127	9.3	7.5	11.3

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#48

Methyl methacrylate

Concen: 45.609 ug/l

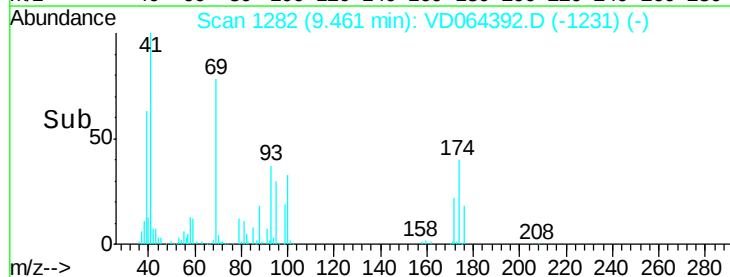
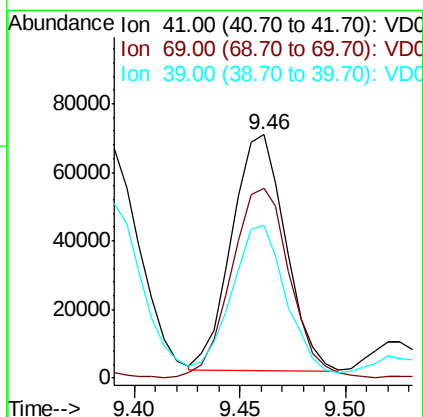
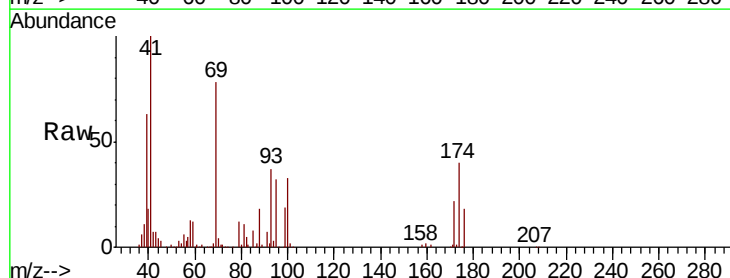
RT: 9.46 min Scan# 1282

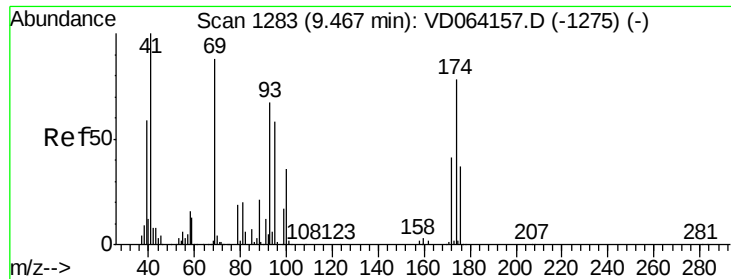
Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	41	Resp:	121739
Ion	Ratio	Lower	Upper
41	100		
69	87.2	64.6	97.0
39	67.1	48.2	72.2





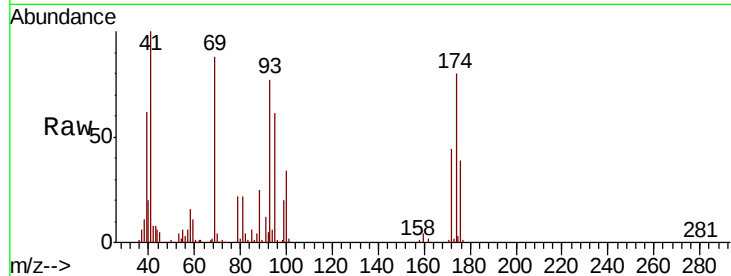
#49
1,4-Dioxane
Concen: 1105.046 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

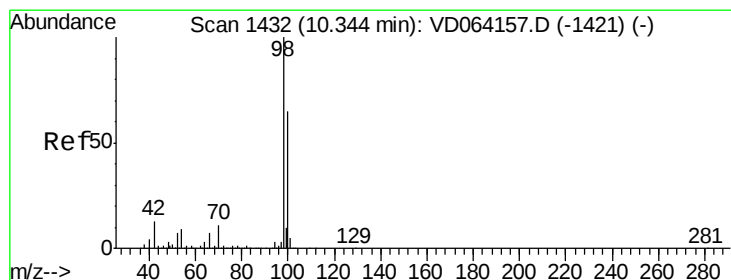
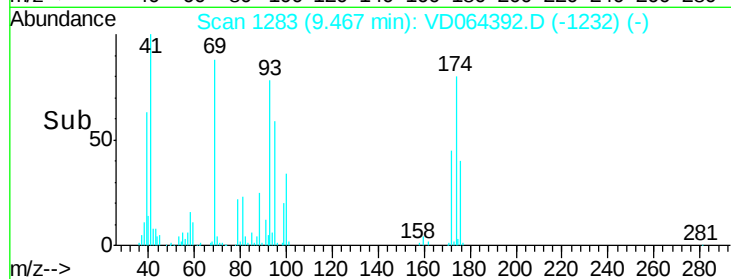
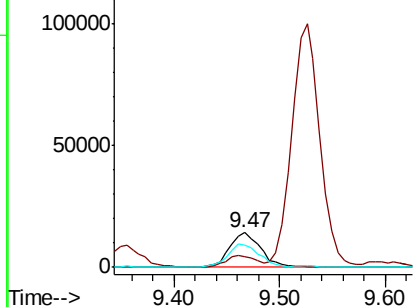
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.8	44.8
58	66.0	58.1	87.1

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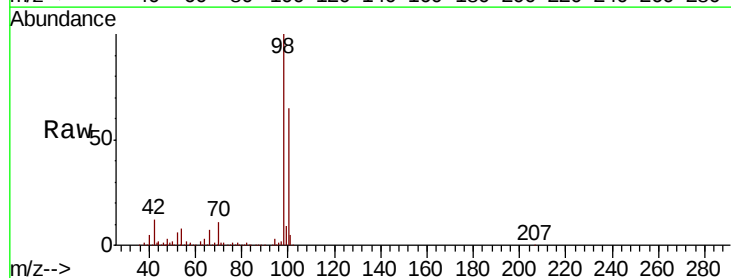


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

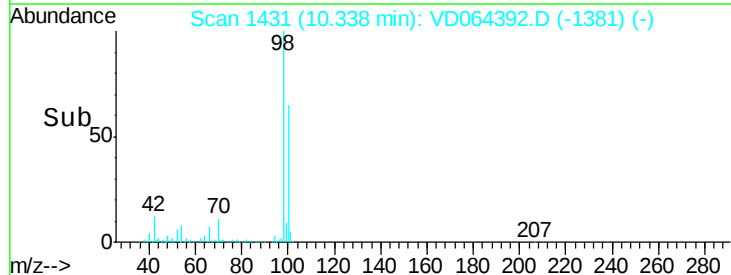
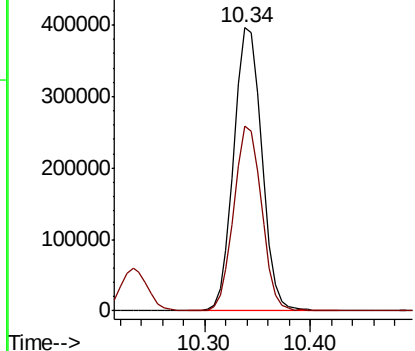


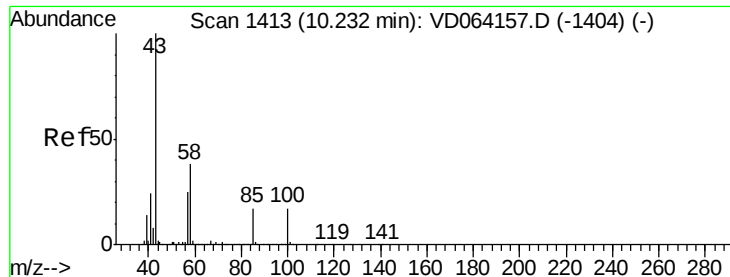
#50
Toluene-d8
Concen: 49.373 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 250.508 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 655754

Ion Ratio Lower Upper

43 100

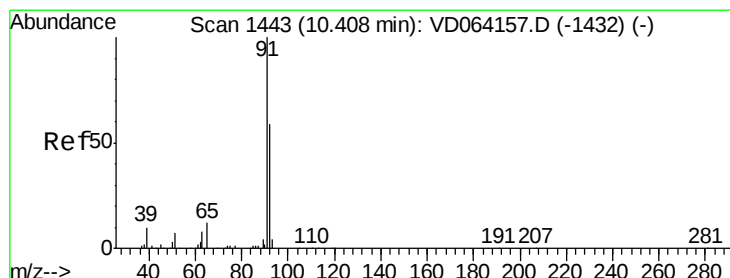
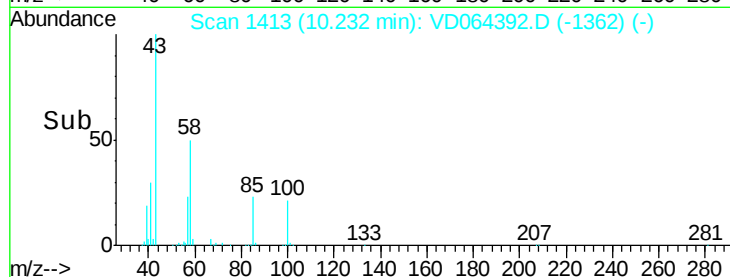
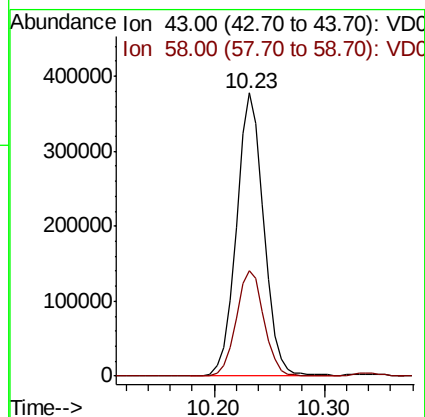
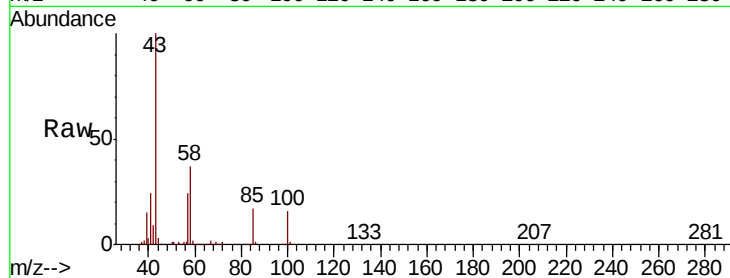
58 37.9 30.2 45.4

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#52

Toluene

Concen: 49.291 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064392.D

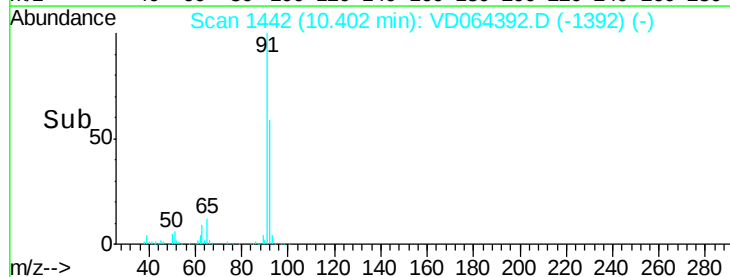
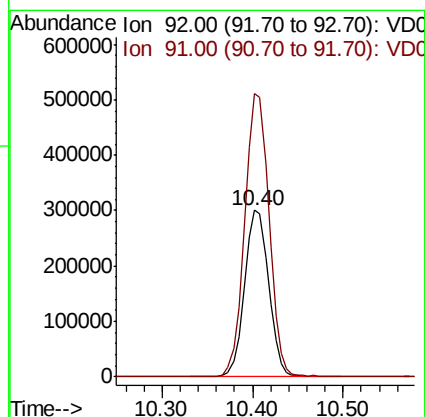
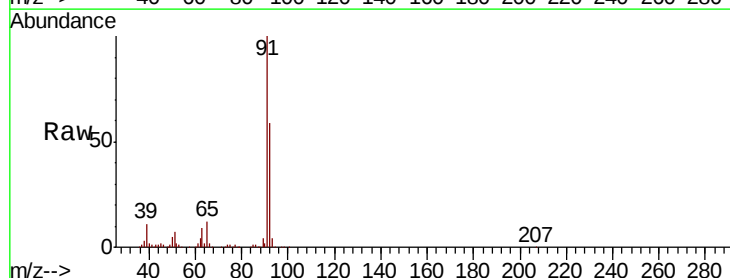
Acq: 26 Nov 2019 19:06

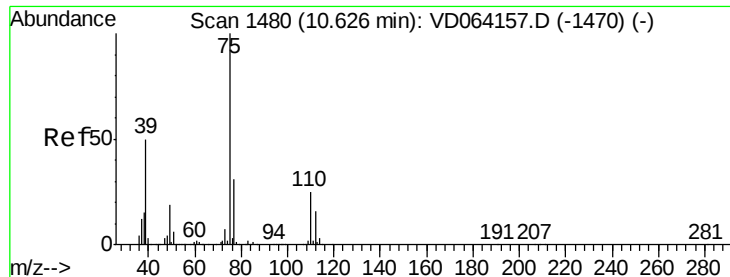
Tgt Ion: 92 Resp: 556688

Ion Ratio Lower Upper

92 100

91 171.6 136.4 204.6





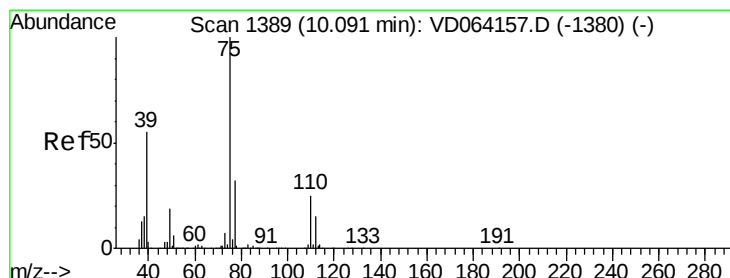
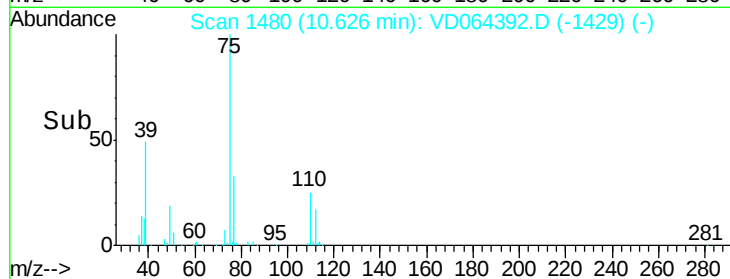
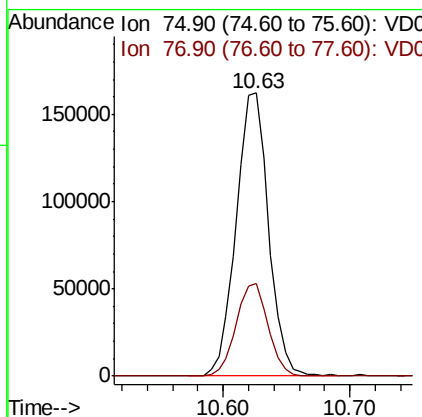
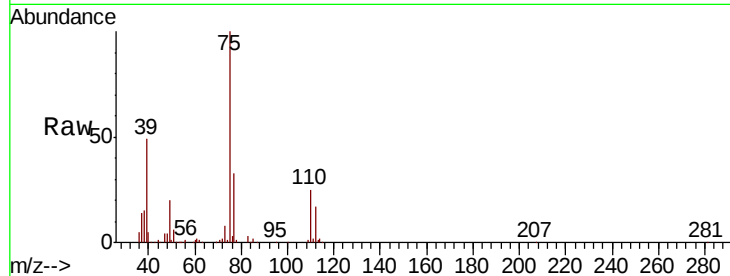
#53
t-1,3-Dichloropropene
Concen: 47.653 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.7	37.1

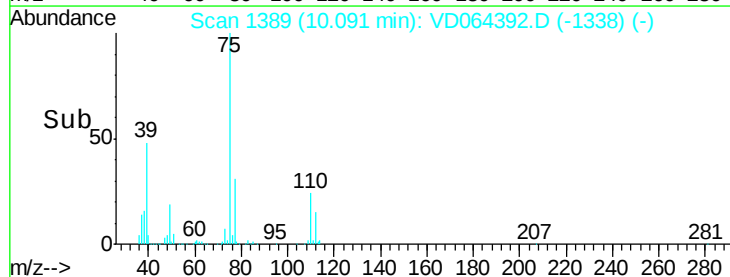
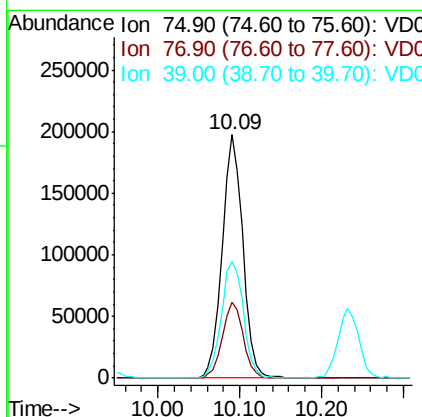
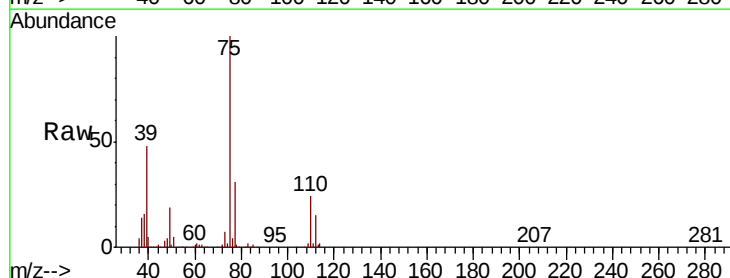
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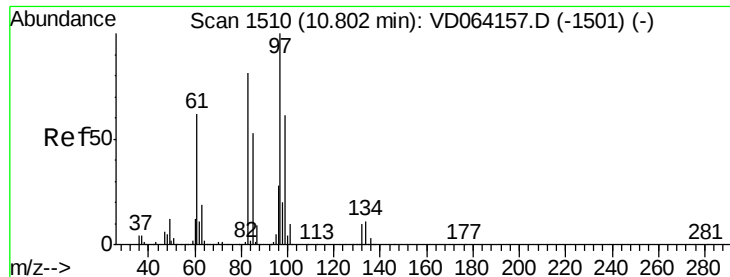
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#54
cis-1,3-Dichloropropene
Concen: 49.092 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	47.8	44.2	66.2





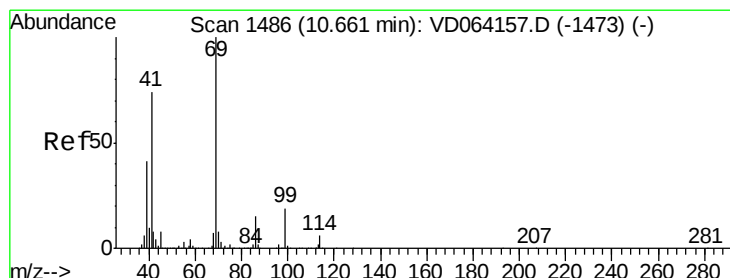
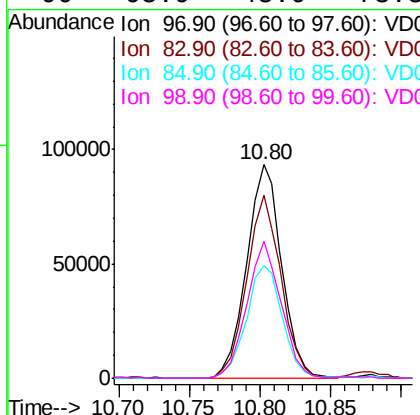
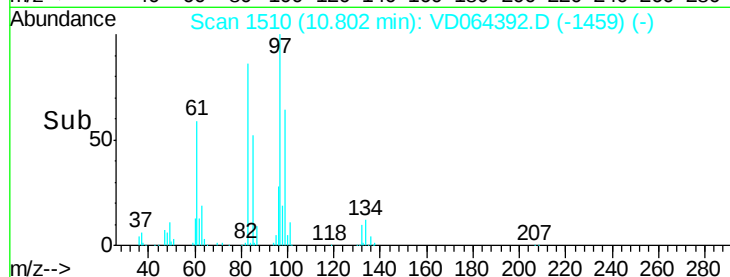
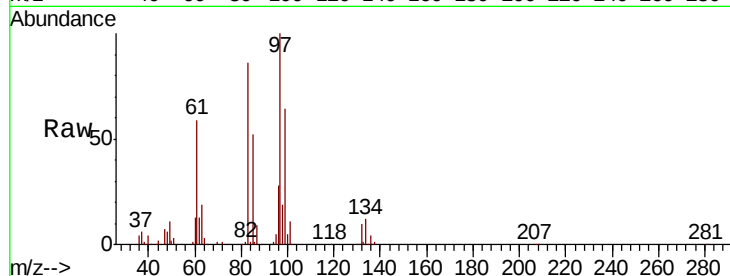
#55
 1,1,2-Trichloroethane
 Concen: 53.557 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		162600		
83	85.6	65.1	97.7		
85	52.5	42.0	63.0		
99	63.9	48.9	73.3		

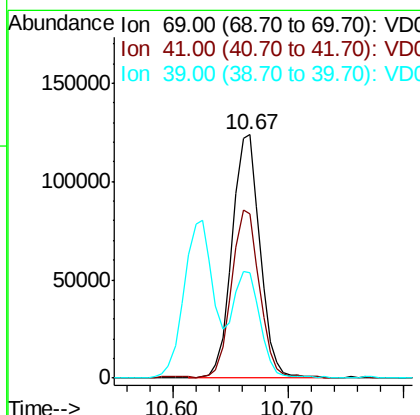
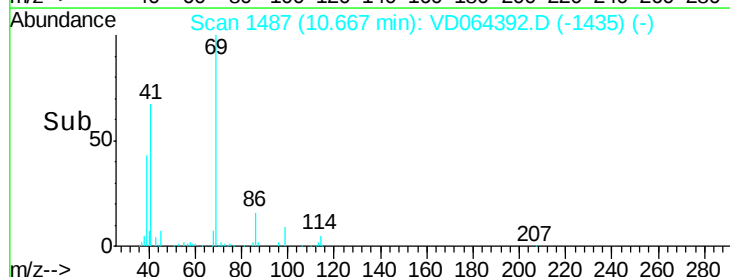
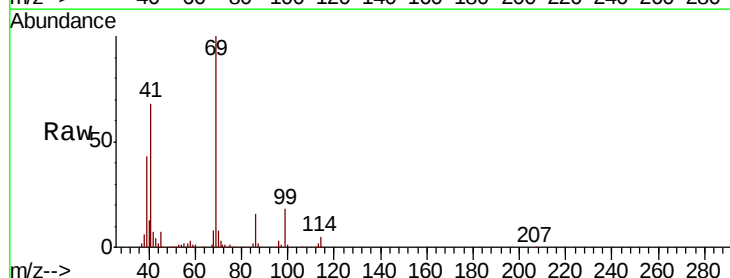
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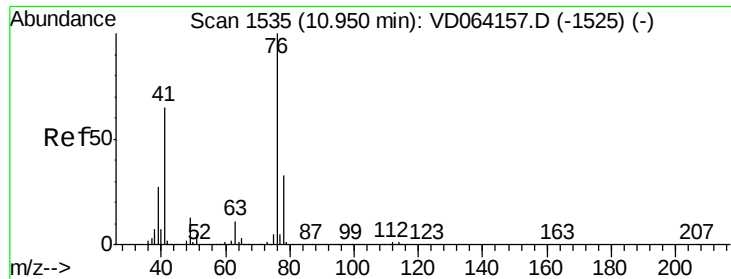
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#56
 Ethyl methacrylate
 Concen: 49.230 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		209081		
41	68.3	57.9	86.9		
39	43.3	29.0	43.4		





#57

1,3-Dichloropropane

Concen: 53.053 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 280909

Ion Ratio Lower Upper

76 100

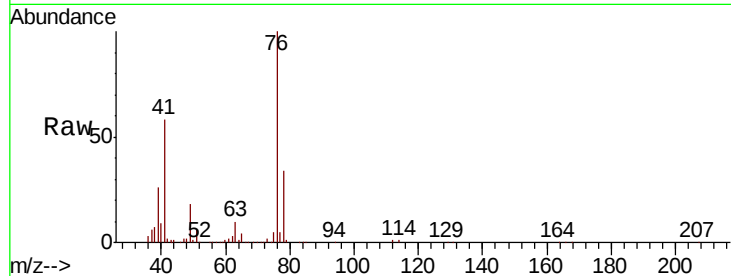
78 31.8 26.2 39.4

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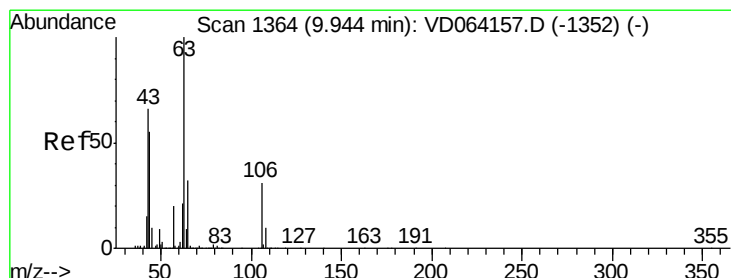
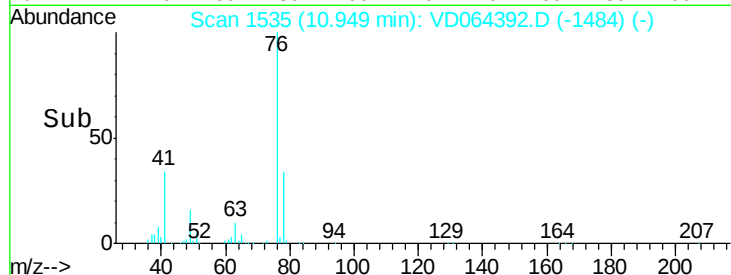
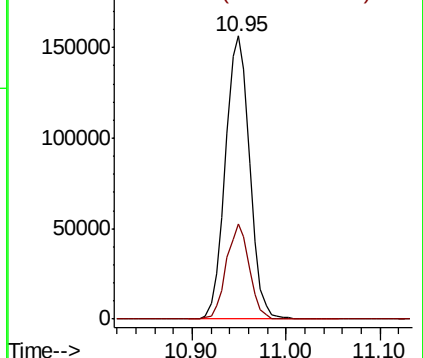
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 262.139 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064392.D

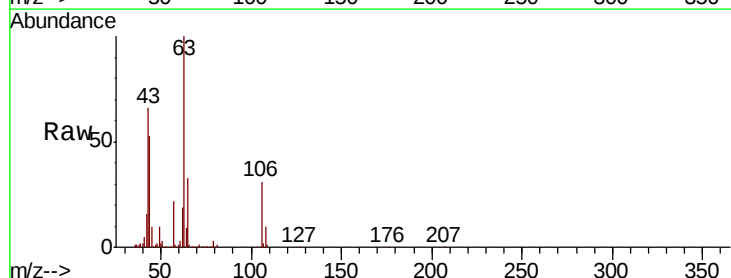
Acq: 26 Nov 2019 19:06

Tgt Ion: 63 Resp: 450973

Ion Ratio Lower Upper

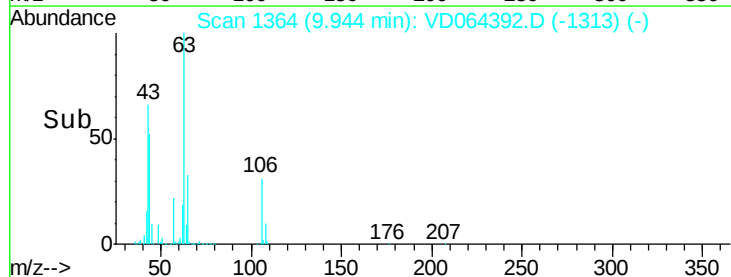
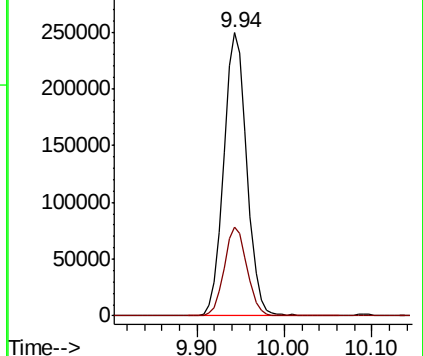
63 100

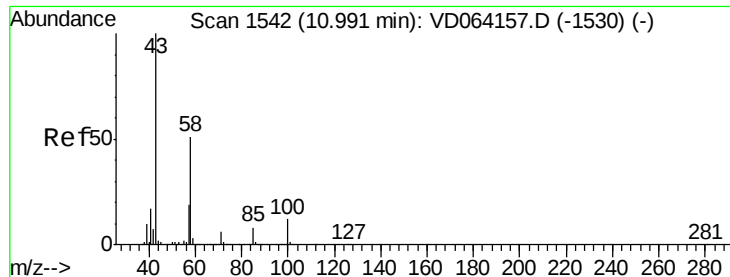
106 31.1 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





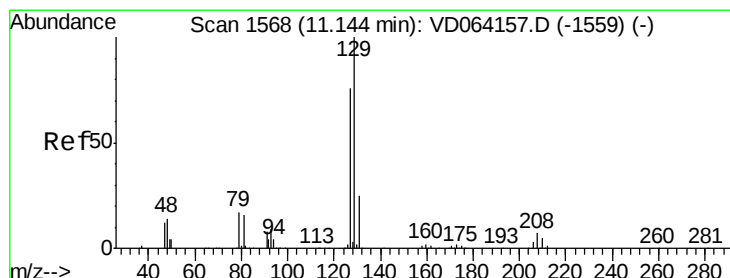
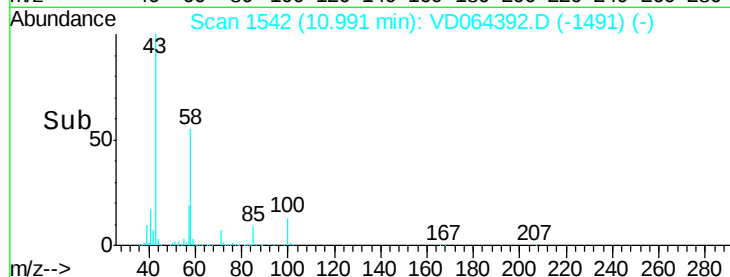
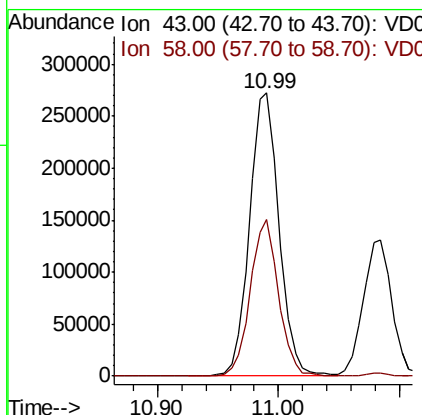
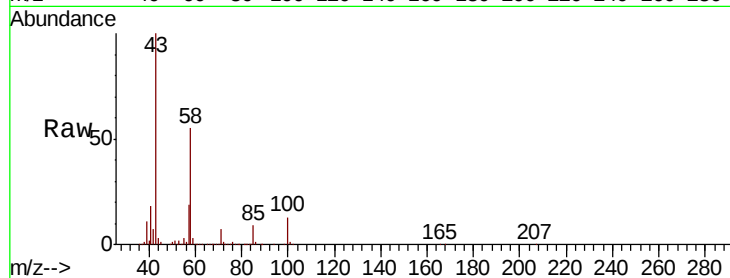
#59
2-Hexanone
Concen: 249.467 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 464594
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.7

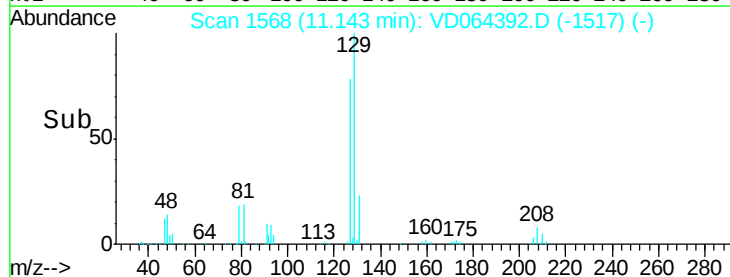
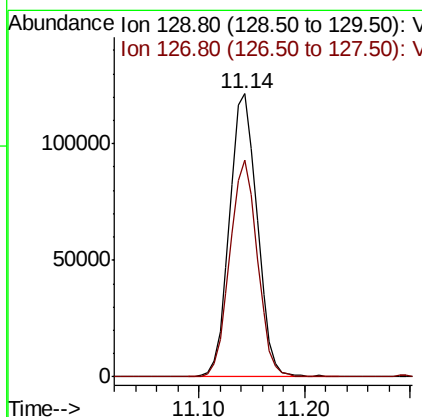
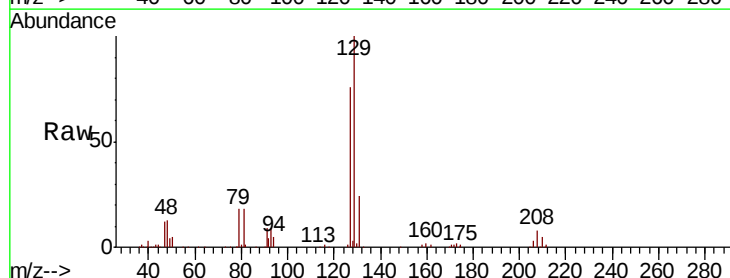
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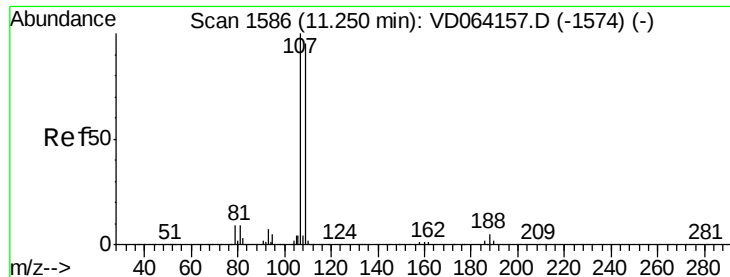
apatel
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#60
Dibromochloromethane
Concen: 51.947 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion: 129 Resp: 220069
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8





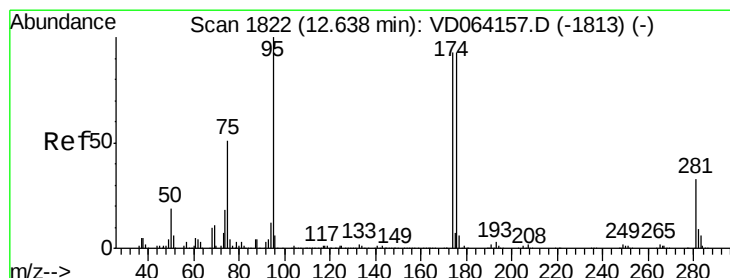
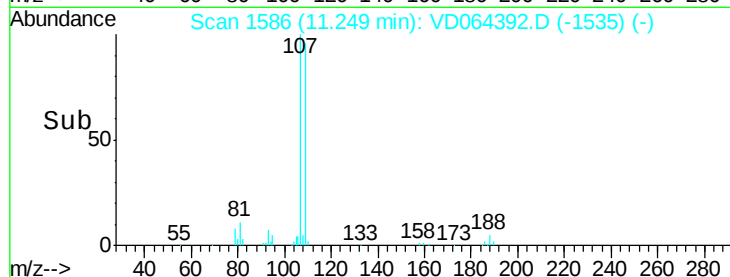
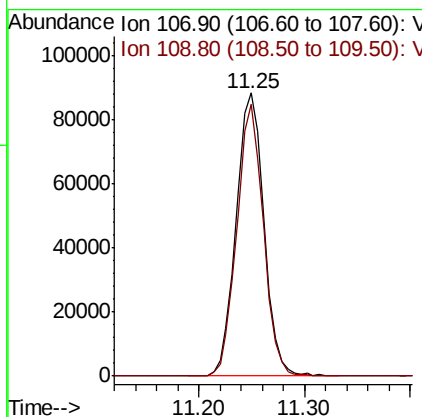
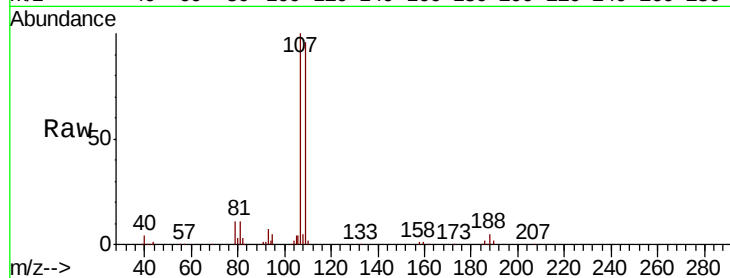
#61
 1,2-Dibromoethane
 Concen: 52.657 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.1	112.7

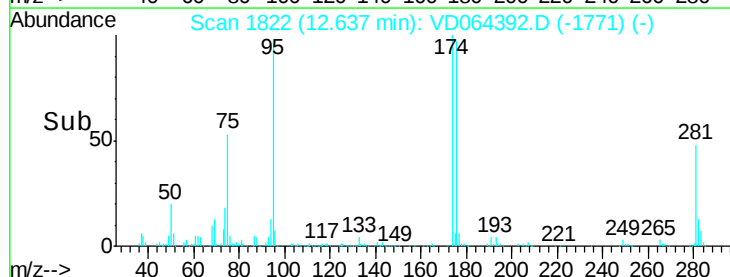
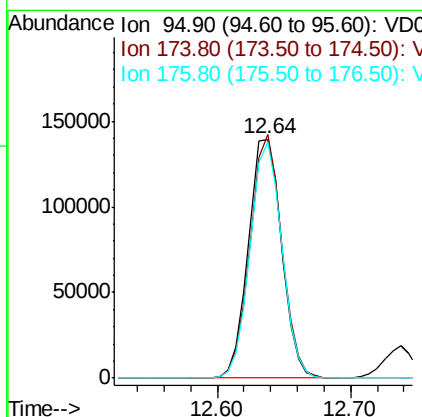
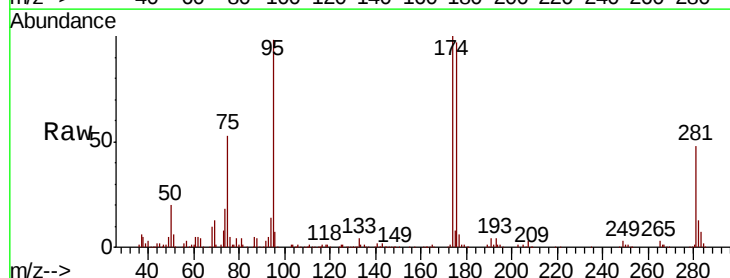
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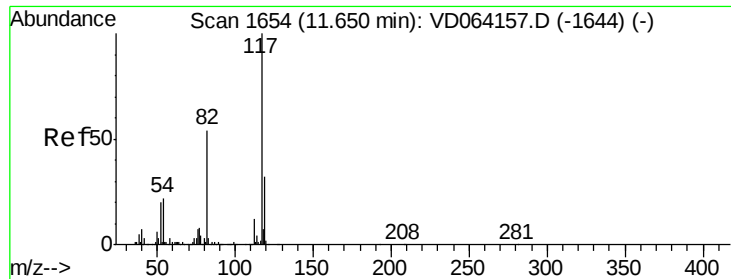
apatel
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#62
 4-Bromofluorobenzene
 Concen: 46.782 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	183.6
176	94.3	0.0	180.2





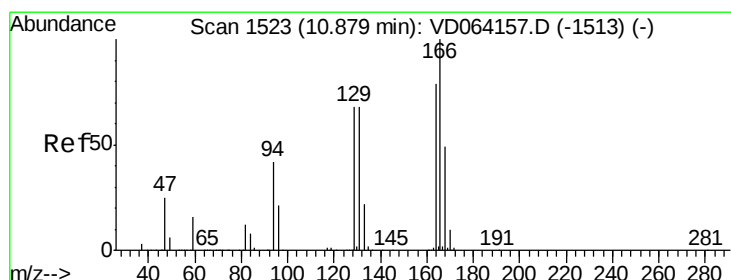
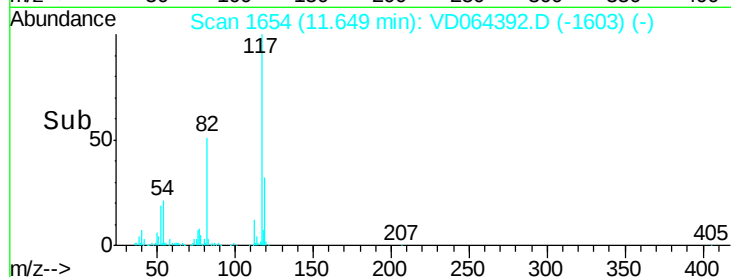
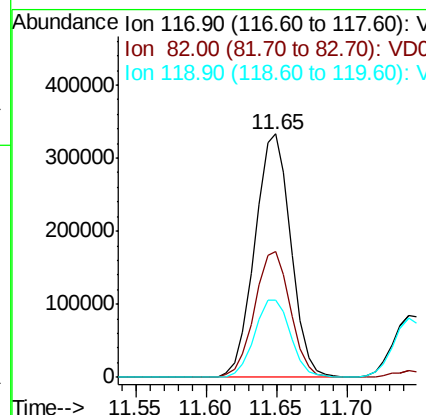
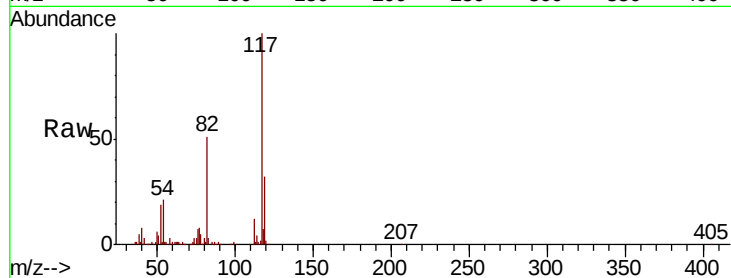
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.8	64.2
119	31.7	25.6	38.4

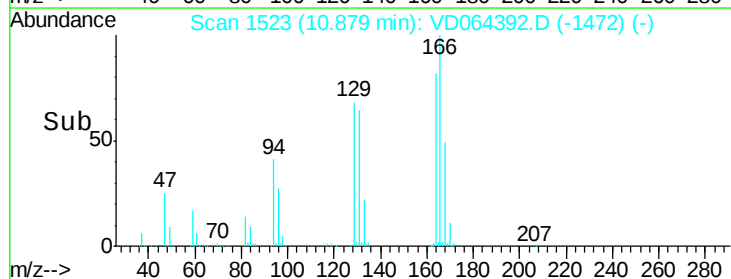
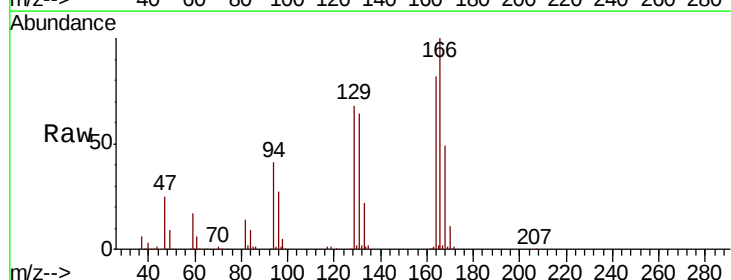
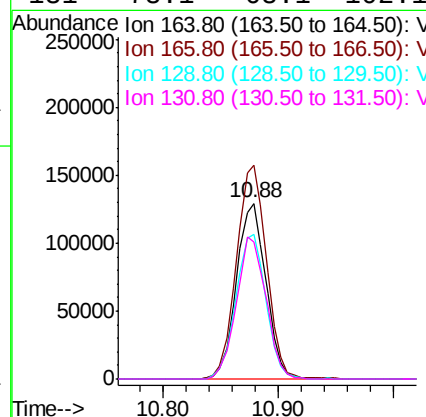
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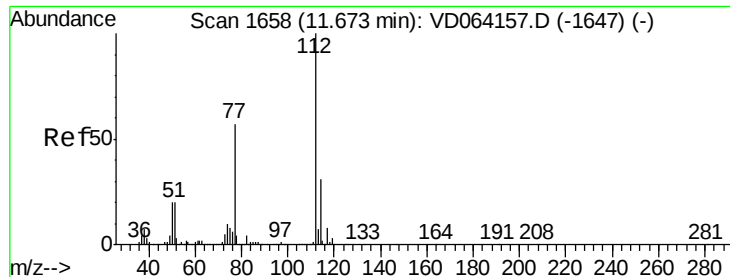
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#64
Tetrachloroethene
Concen: 49.830 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	100.8	151.2
129	82.7	68.7	103.1
131	78.1	68.1	102.1





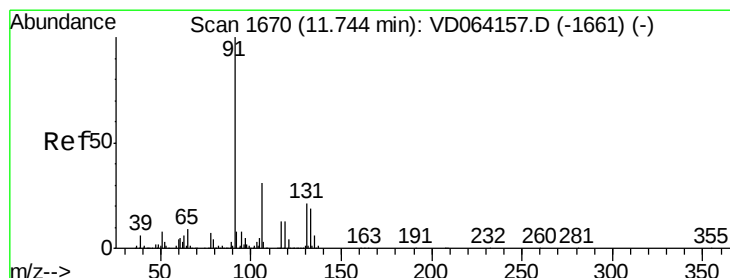
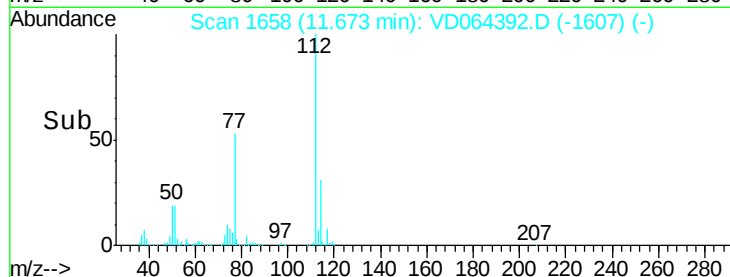
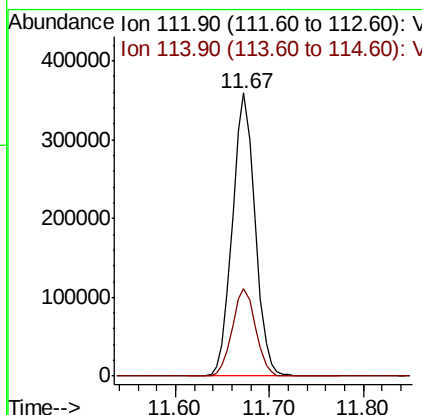
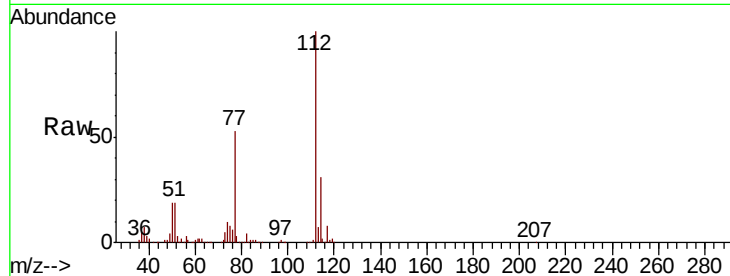
#65
Chlorobenzene
Concen: 49.526 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.2	37.8

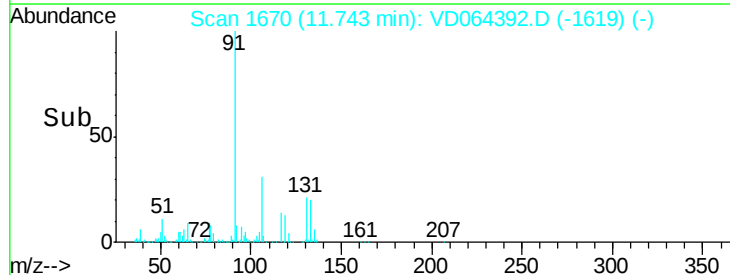
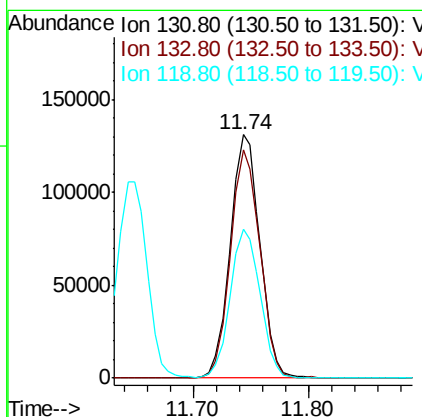
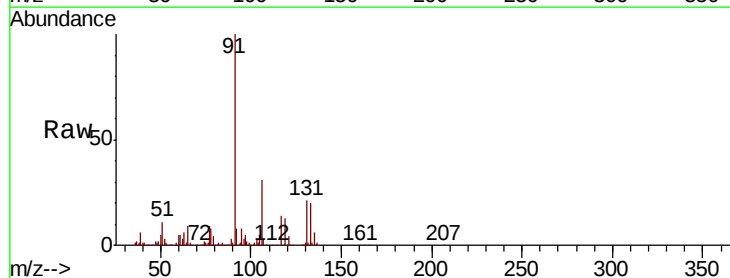
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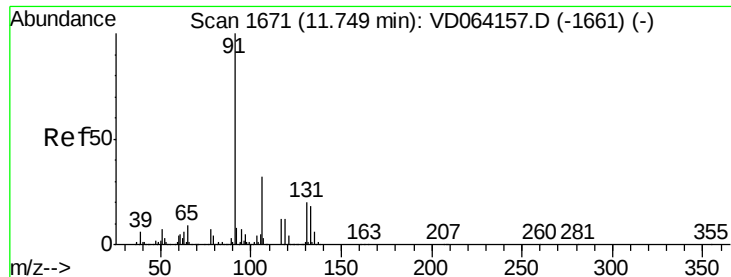
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.571 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.3	141.9
119	62.1	31.1	93.3





#67

Ethyl Benzene

Concen: 48.476 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1064031

Ion Ratio Lower Upper

91 100

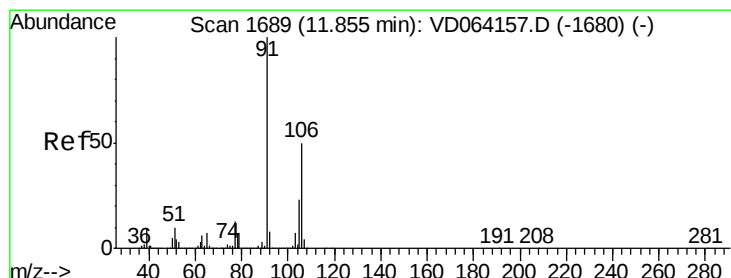
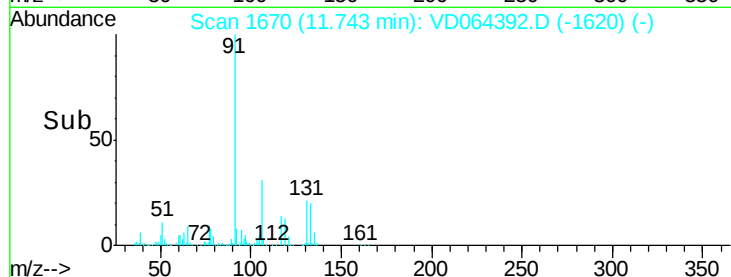
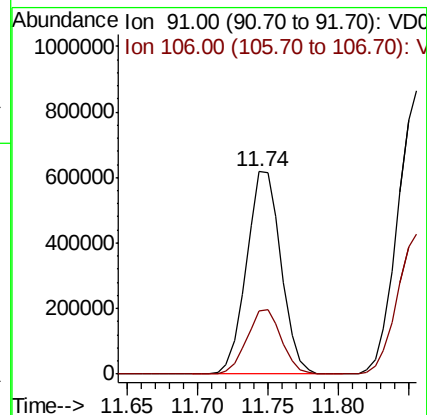
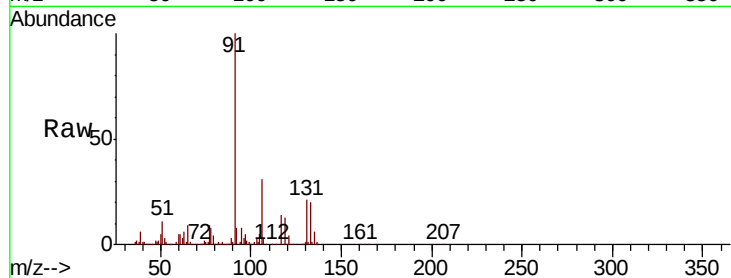
106 31.3 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 96.735 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064392.D

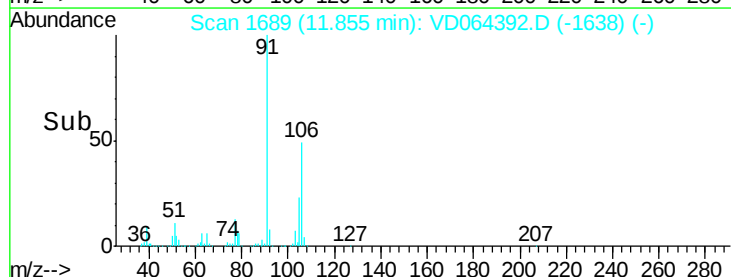
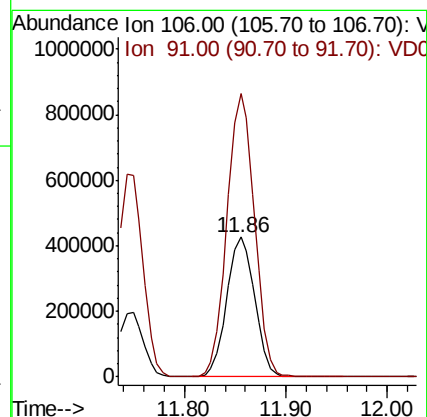
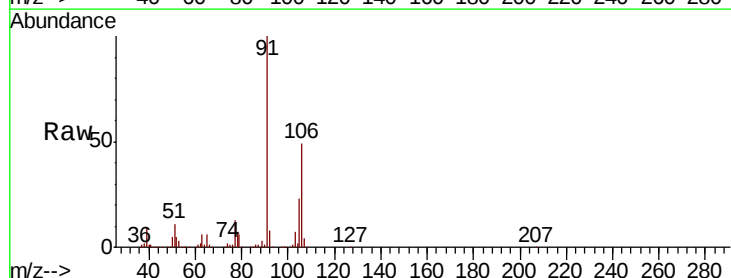
Acq: 26 Nov 2019 19:06

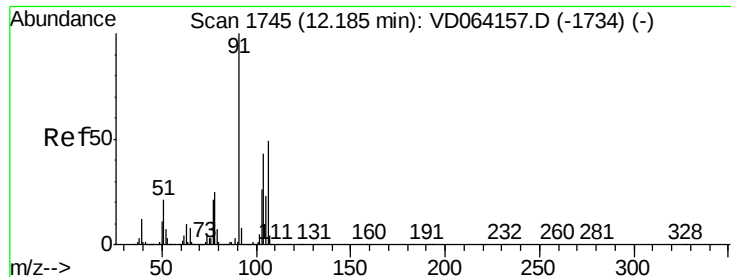
Tgt Ion: 106 Resp: 813872

Ion Ratio Lower Upper

106 100

91 200.0 160.3 240.5





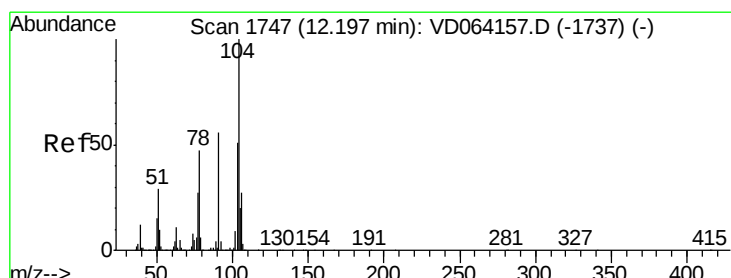
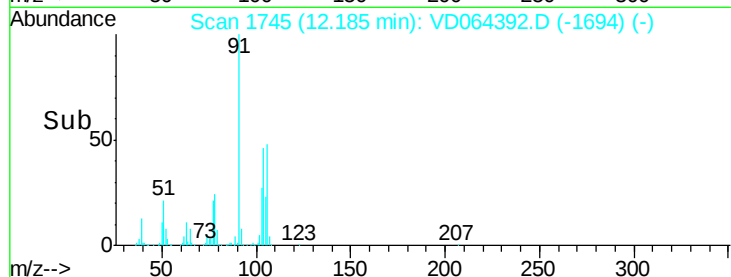
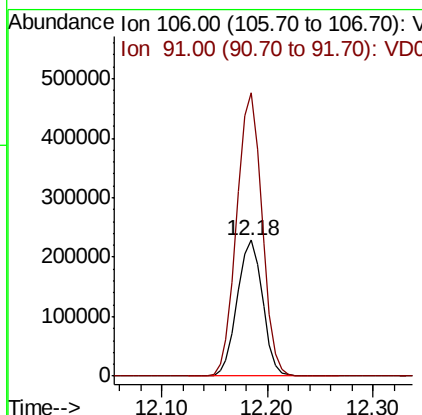
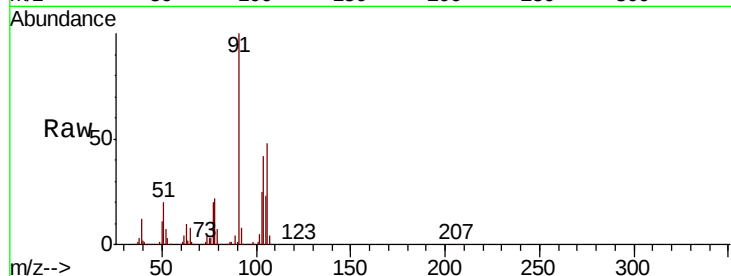
#69
o-Xylene
Concen: 48.706 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.5	105.1	315.3

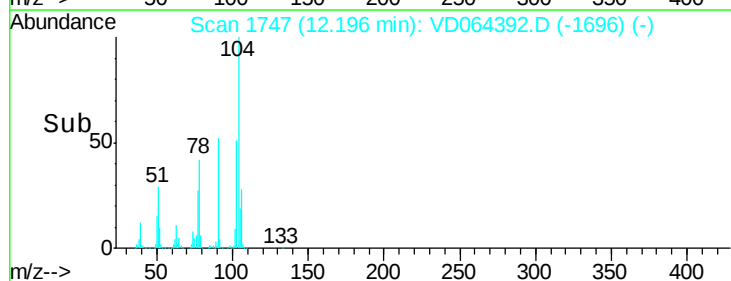
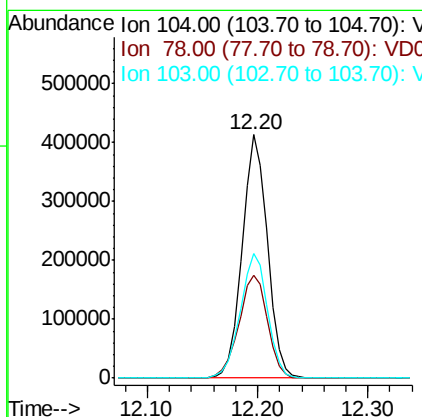
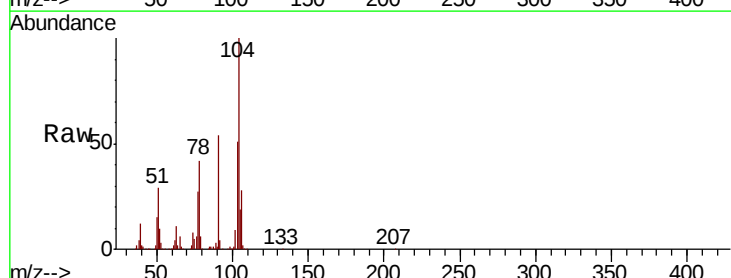
Manual Integrations
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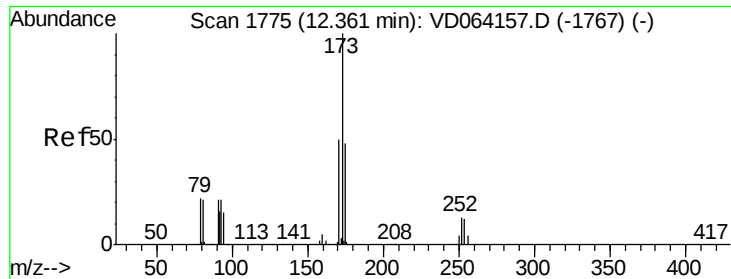
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#70
Styrene
Concen: 48.846 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.9	59.9
103	55.2	43.4	65.0





#71

Bromoform

Concen: 50.785 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

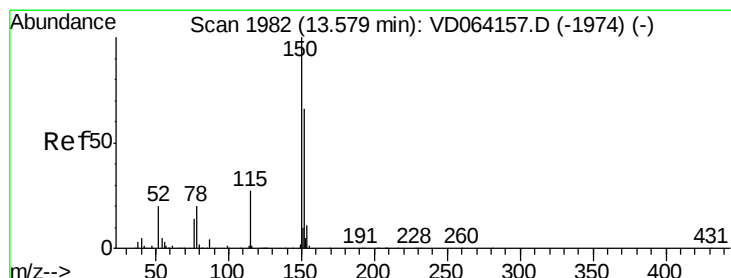
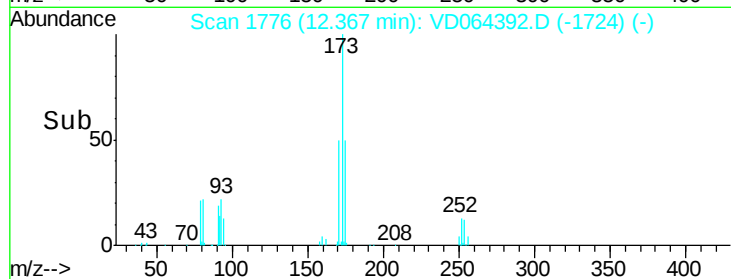
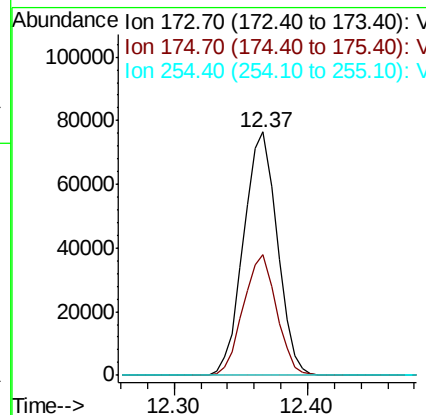
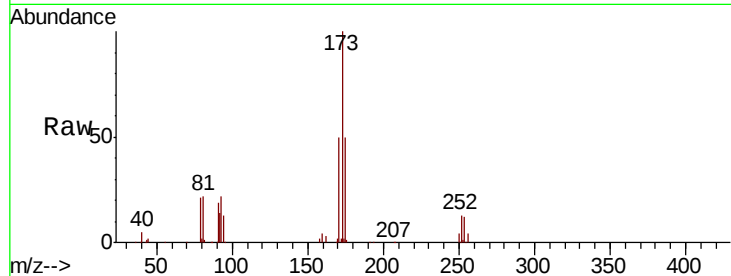
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	133359
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

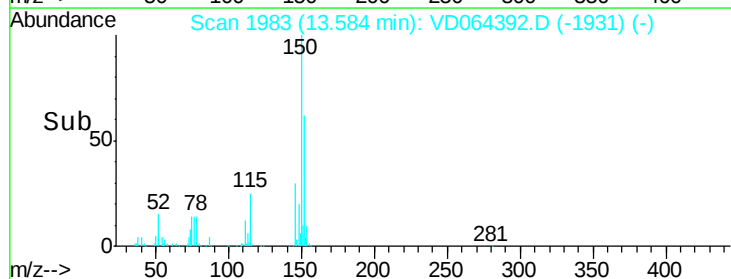
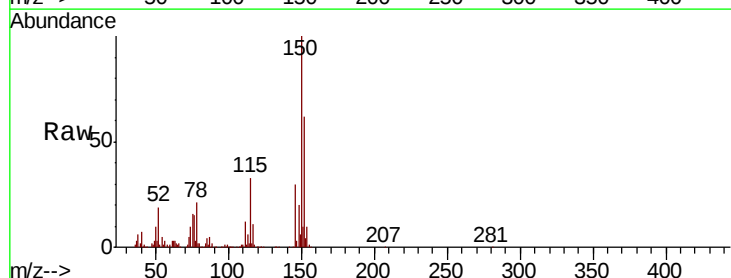
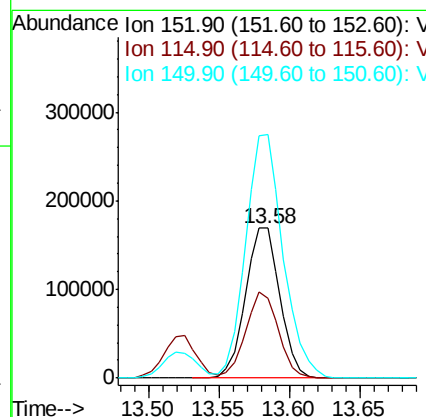
RT: 13.58 min Scan# 1983

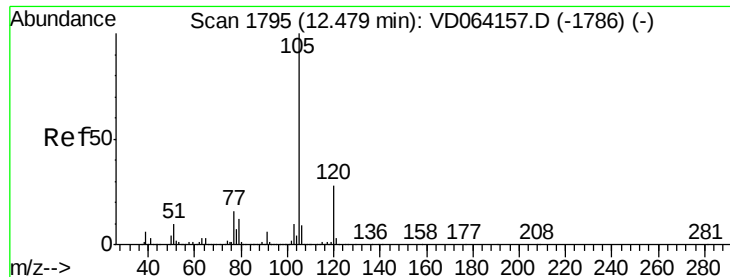
Delta R.T. 0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	152	Resp:	289537
Ion Ratio	Lower	Upper	
152	100		
115	54.3	27.4	82.2
150	176.5	0.0	351.6





#73

Isopropylbenzene

Concen: 48.392 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1028426

Ion Ratio Lower Upper

105 100

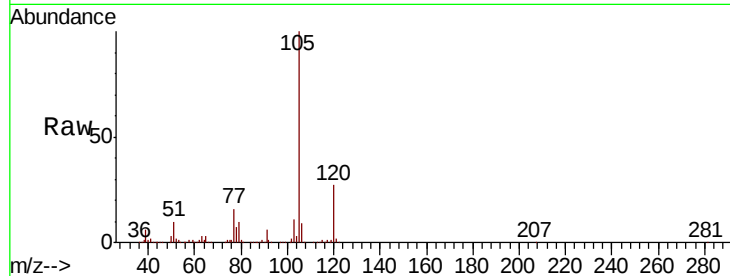
120 27.3 13.6 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

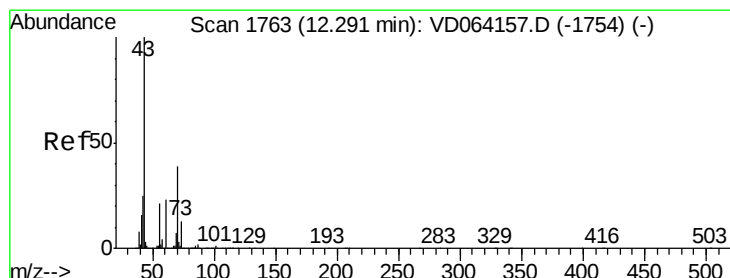
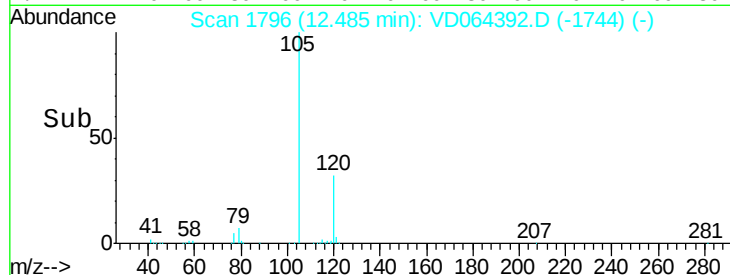
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.401 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion: 43 Resp: 232869

Ion Ratio Lower Upper

43 100

70 42.5 32.4 48.6

55 23.0 17.9 26.9

61 23.1 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

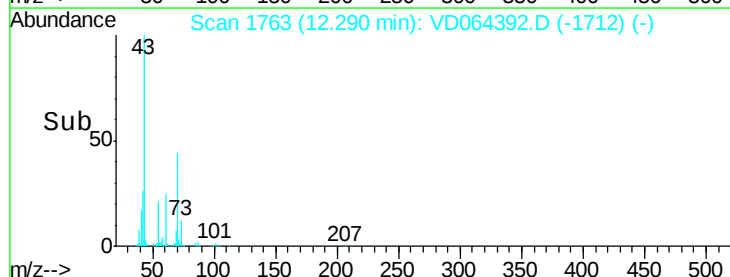
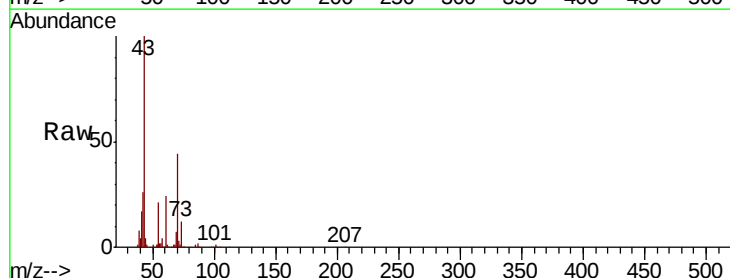
150000

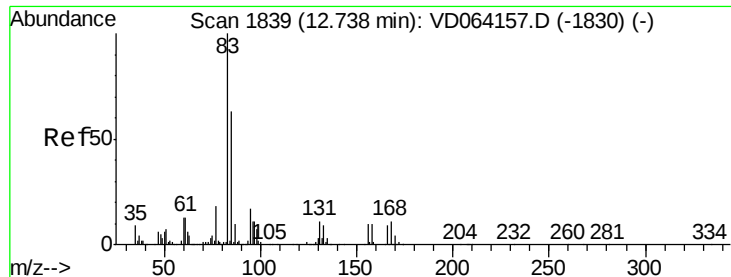
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.914 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

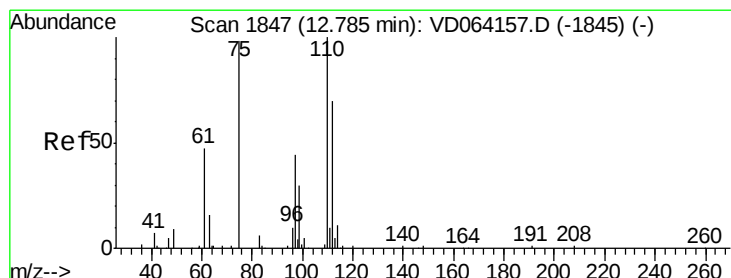
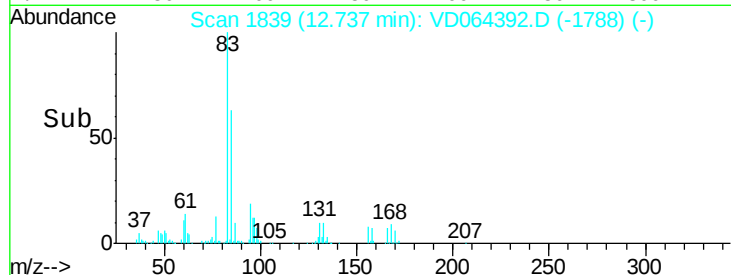
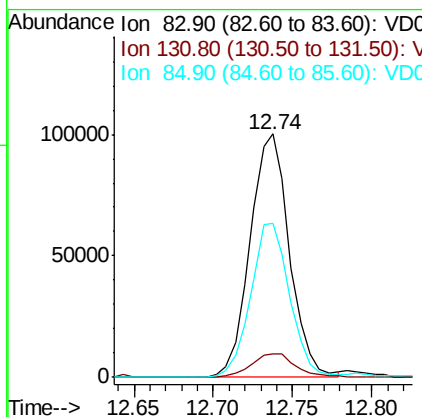
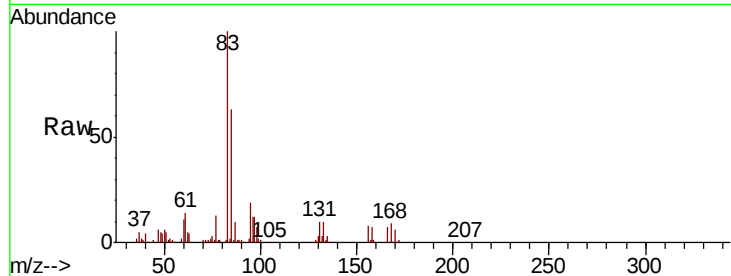
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172649
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.9	17.7
85	62.8	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.048 ug/l m

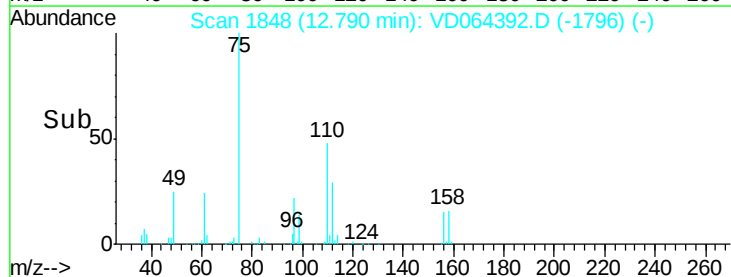
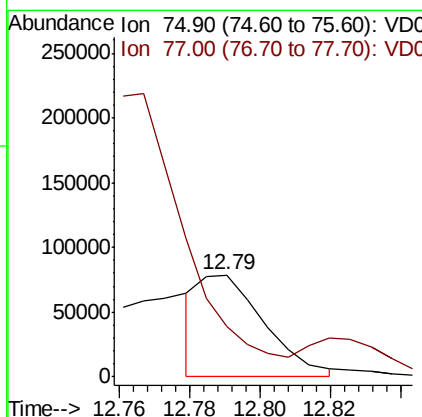
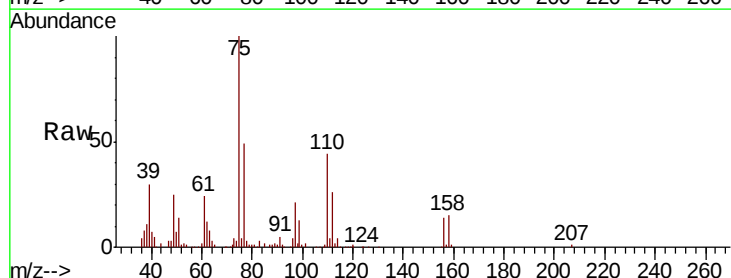
RT: 12.79 min Scan# 1848

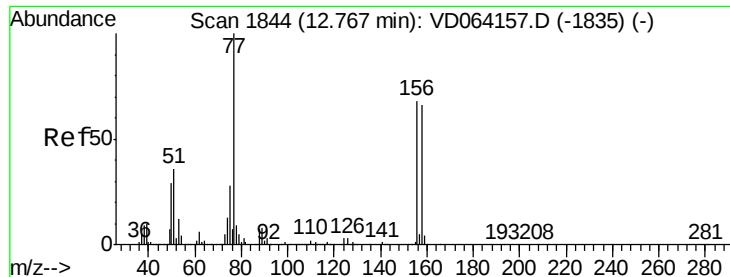
Delta R.T. 0.01 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	75	Resp:	102726
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.325 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 156 Resp: 259828

Ion Ratio Lower Upper

156 100

77 160.6 81.2 243.4

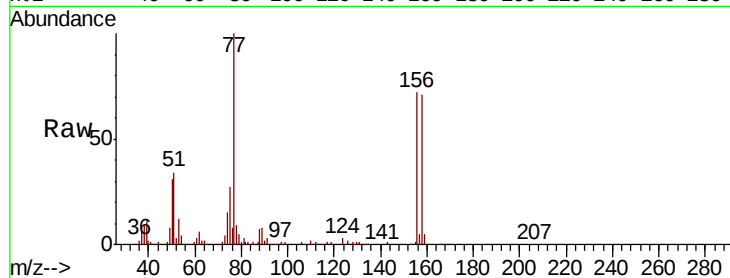
158 97.5 48.4 145.2

Manual Integrations

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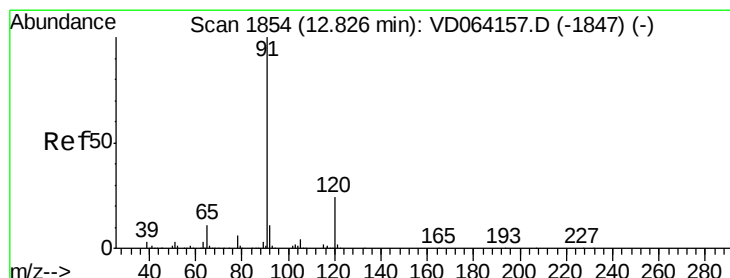
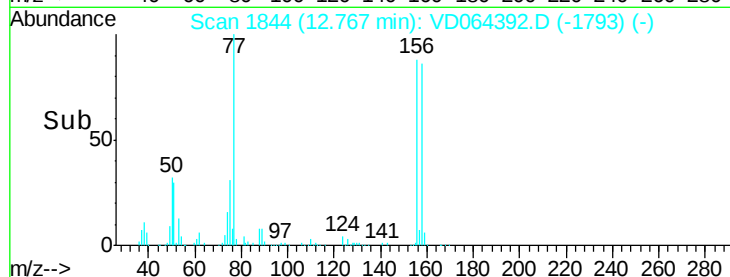
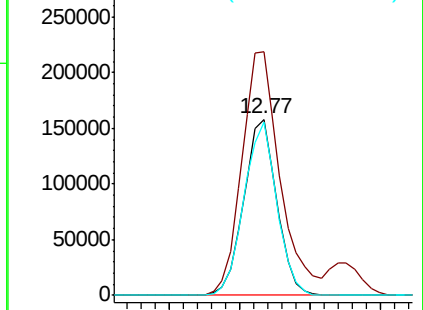
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.554 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064392.D

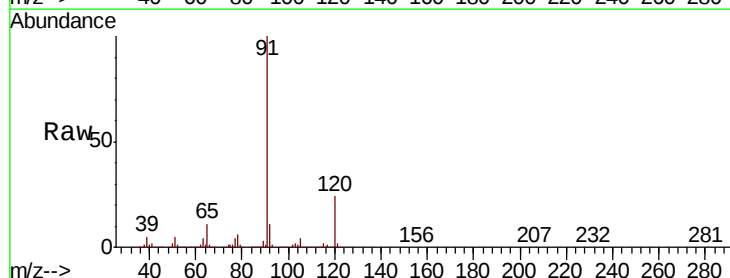
Acq: 26 Nov 2019 19:06

Tgt Ion: 91 Resp: 1203212

Ion Ratio Lower Upper

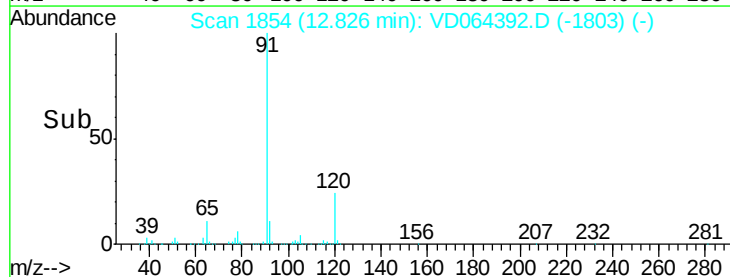
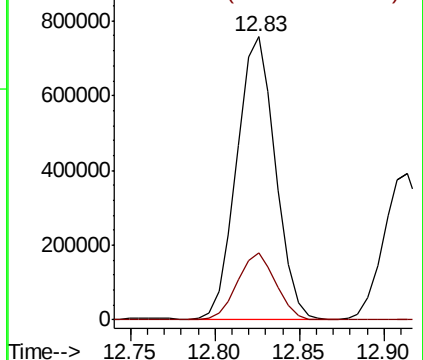
91 100

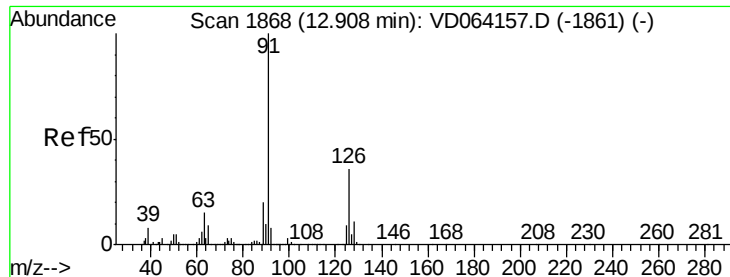
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





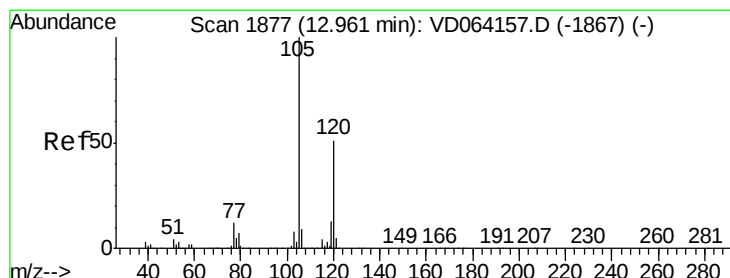
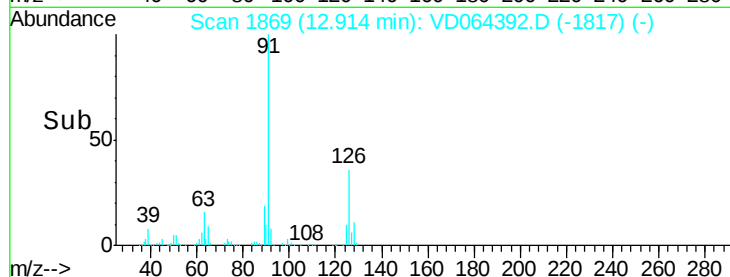
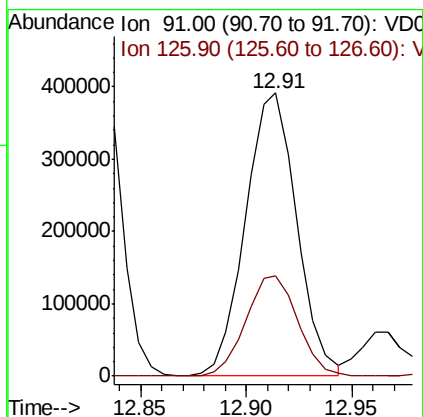
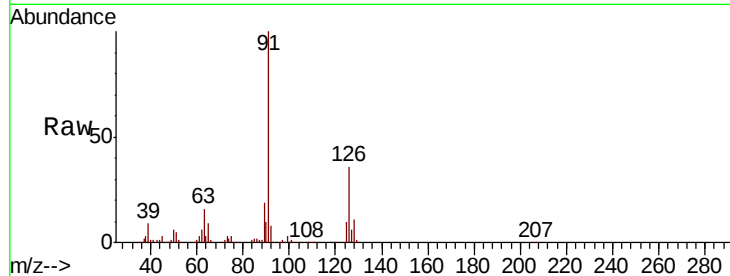
#79
2-Chlorotoluene
Concen: 47.994 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 657924
Ion Ratio Lower Upper
91 100
126 35.9 17.7 53.1

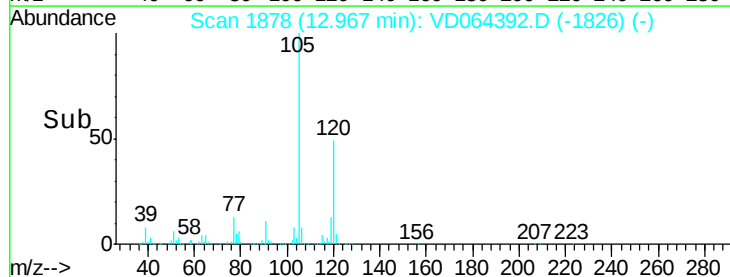
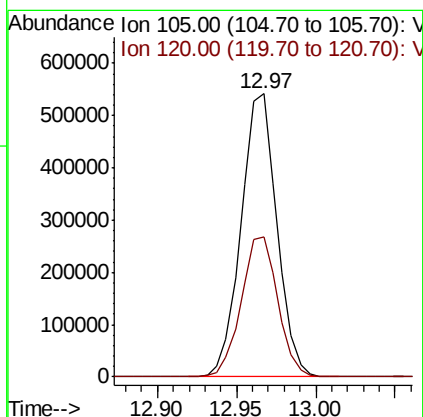
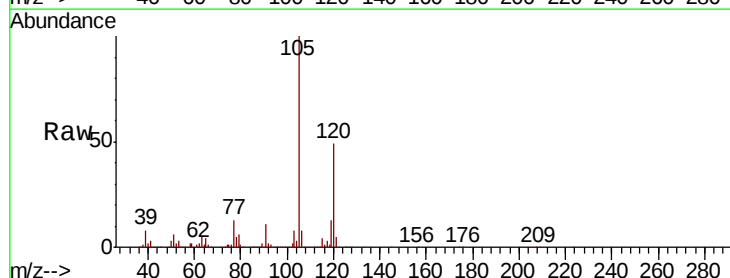
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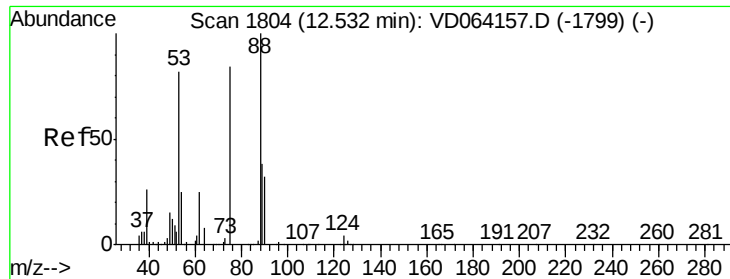
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 48.577 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion: 105 Resp: 848279
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.4





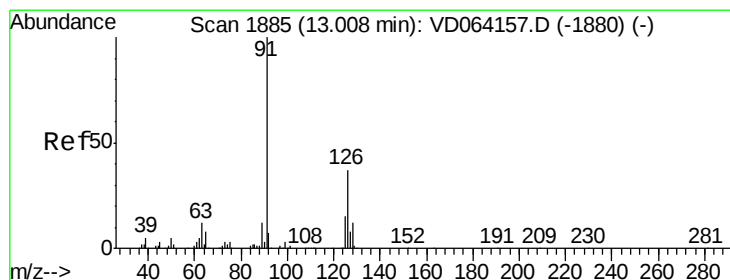
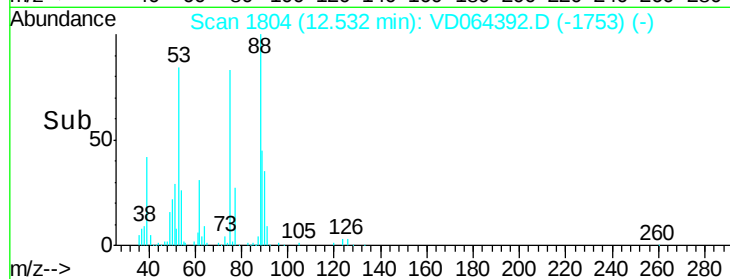
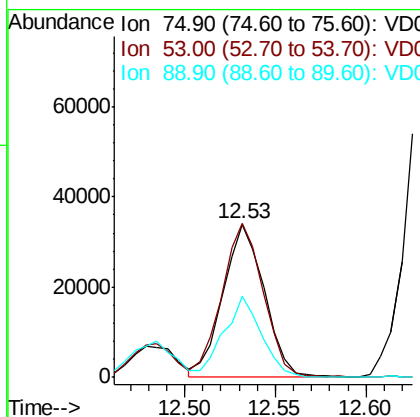
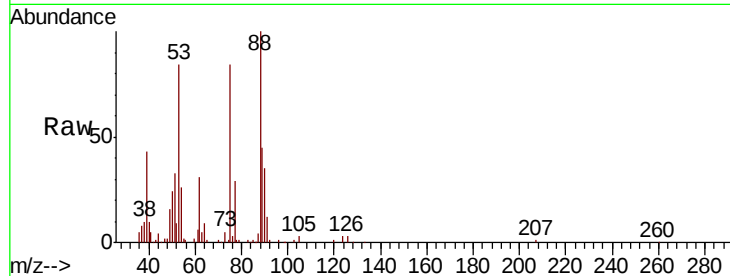
#81
trans-1,4-Dichloro-2-butene
Concen: 45.845 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	79.4	119.0
89	47.9	36.6	55.0

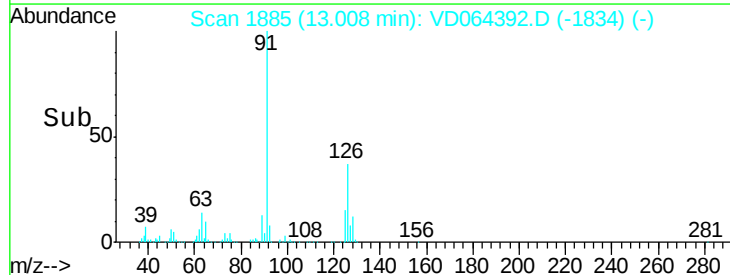
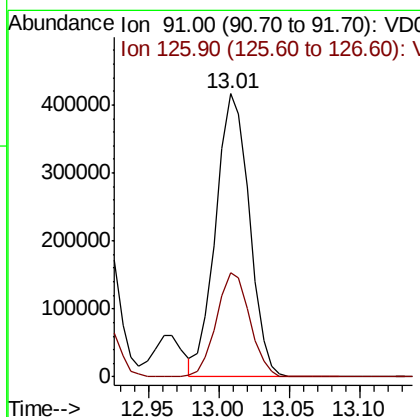
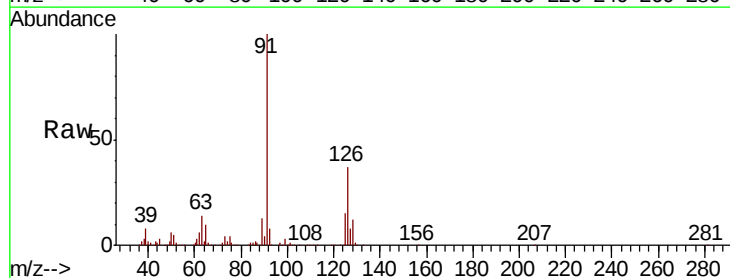
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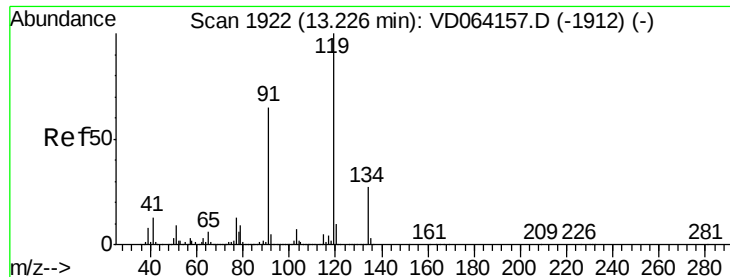
apatel
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#82
4-Chlorotoluene
Concen: 48.140 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.8	53.4





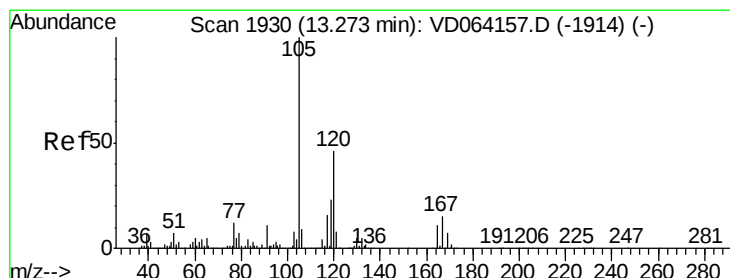
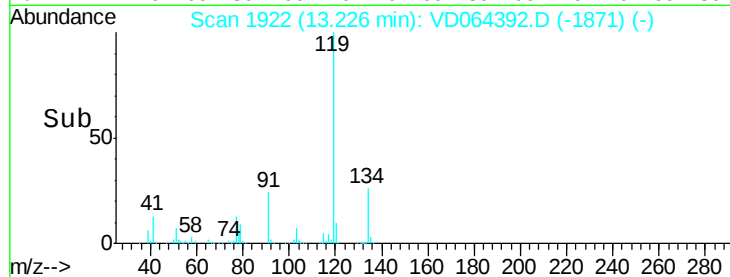
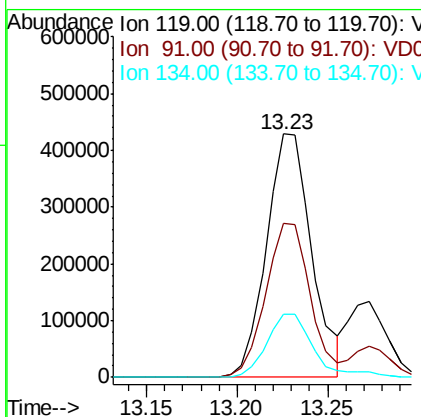
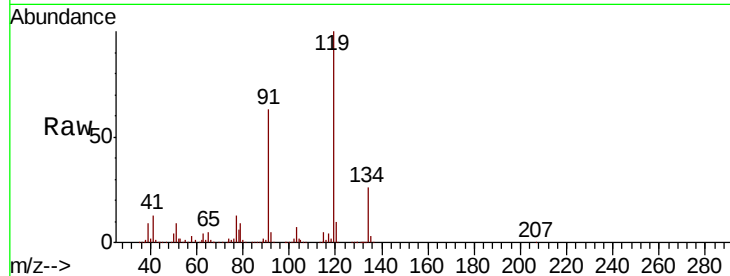
#83
tert-Butylbenzene
Concen: 48.504 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.8	95.4
134	27.2	13.7	41.0

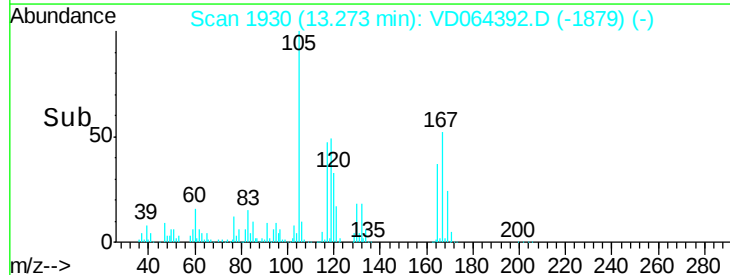
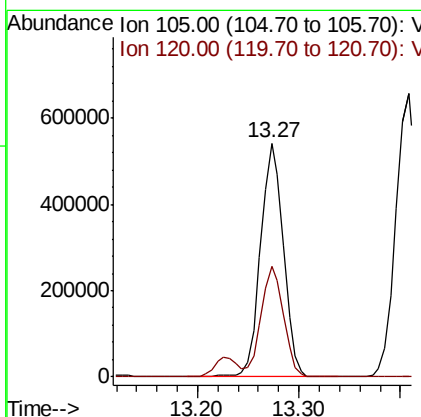
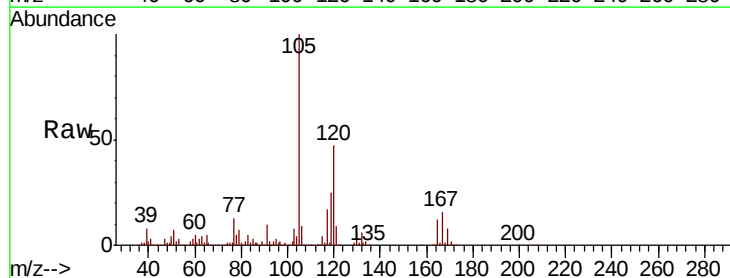
Manual Integrations
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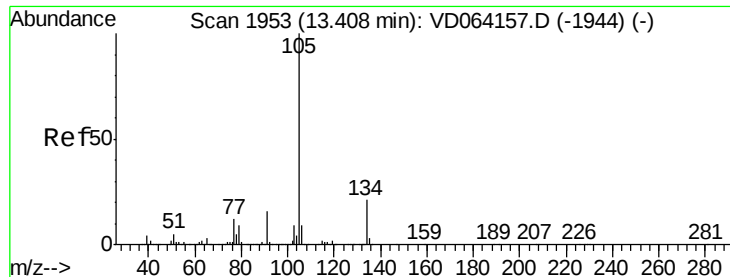
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 49.049 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.8





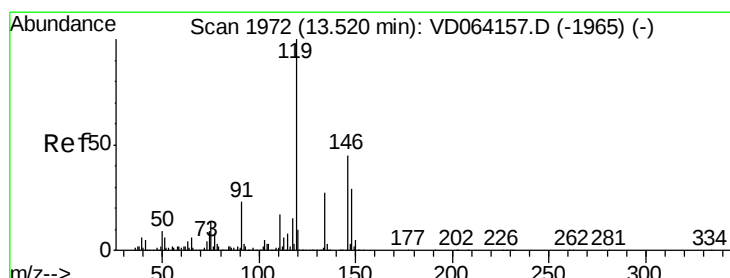
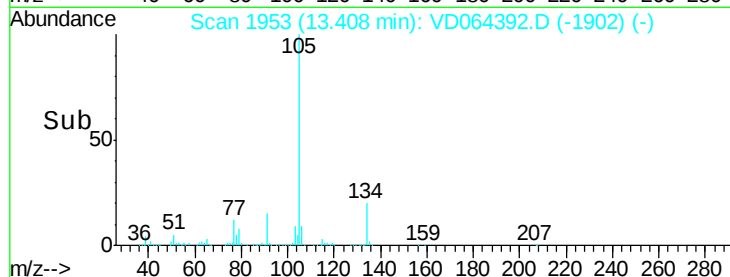
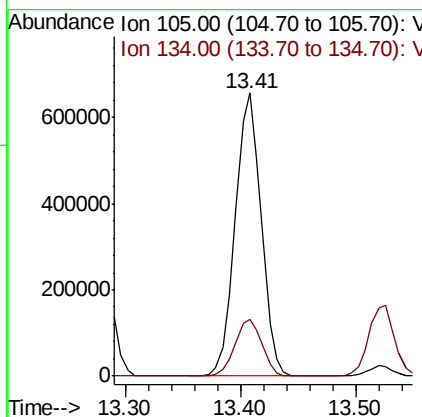
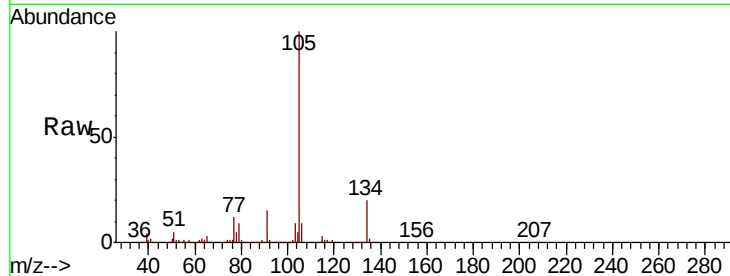
#85
 sec-Butylbenzene
 Concen: 49.266 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1018886
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9

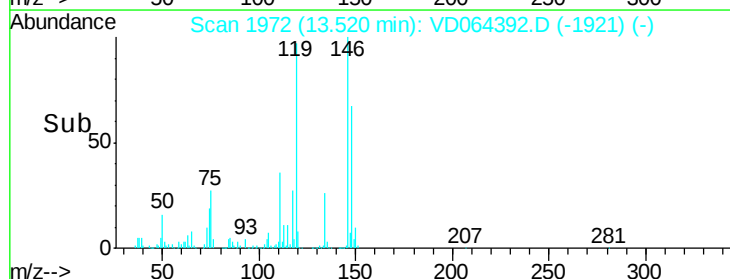
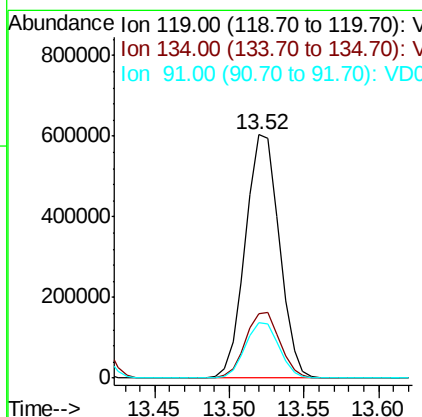
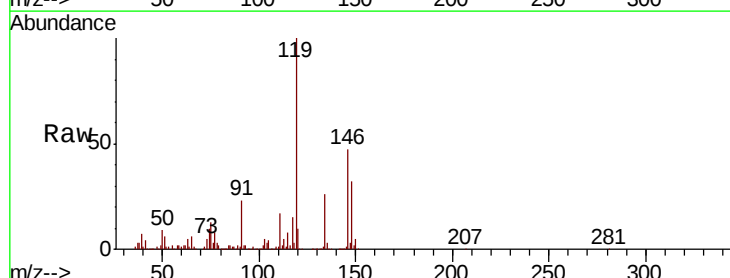
Manual Integrations
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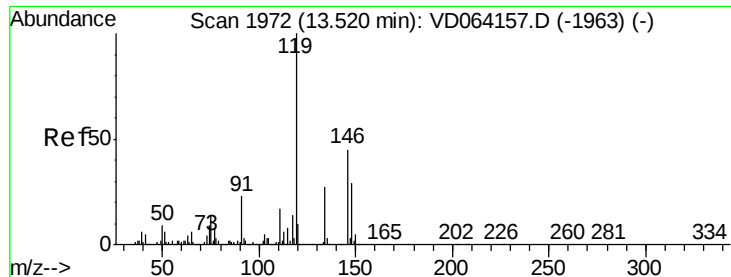
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#86
 p-Isopropyltoluene
 Concen: 48.227 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion:119 Resp: 948212
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 22.8 11.5 34.4





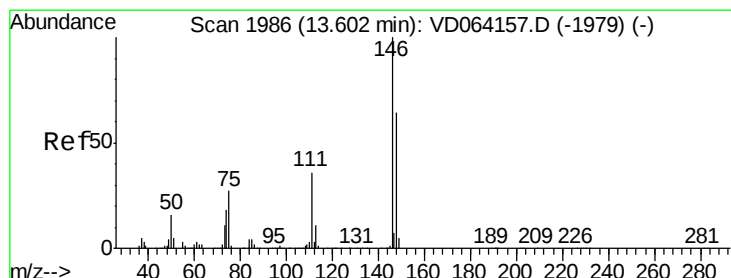
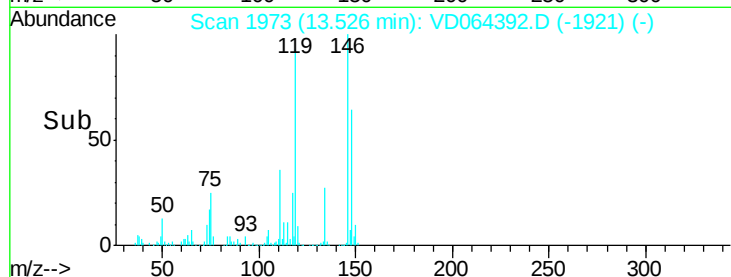
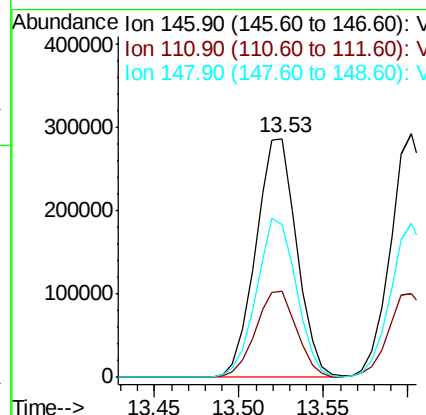
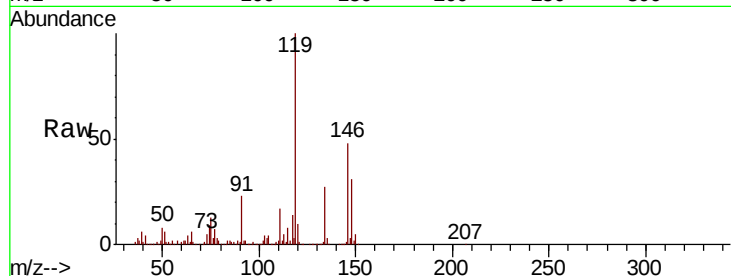
#87
 1,3-Dichlorobenzene
 Concen: 50.347 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.9
148	65.0	32.1	96.5

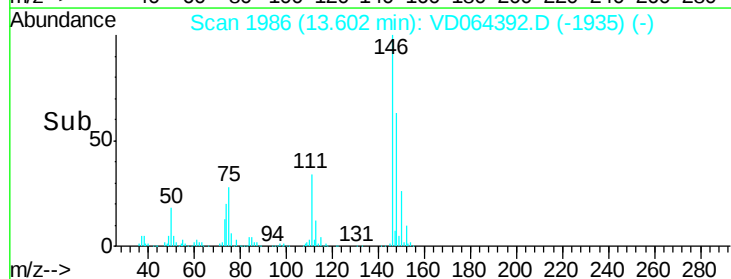
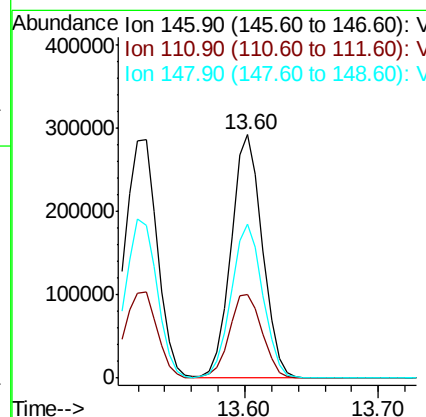
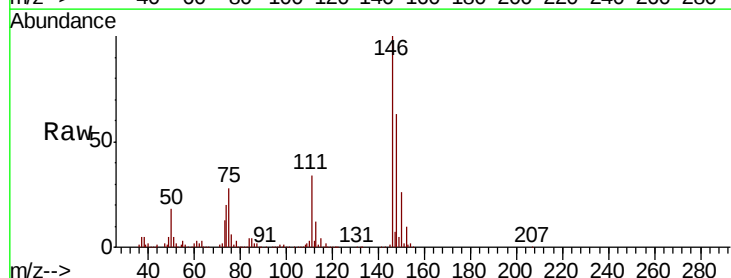
Manual Integrations
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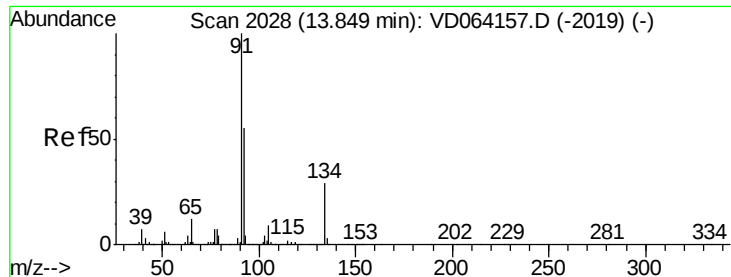
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#88
 1,4-Dichlorobenzene
 Concen: 51.139 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	63.8	31.9	95.7





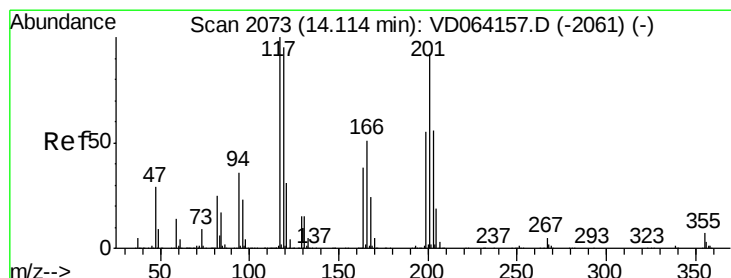
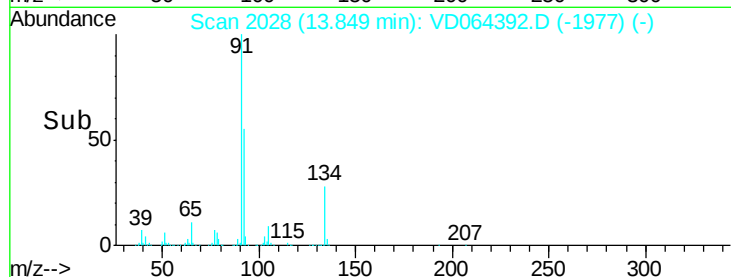
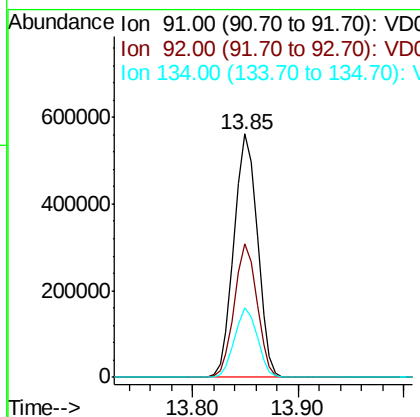
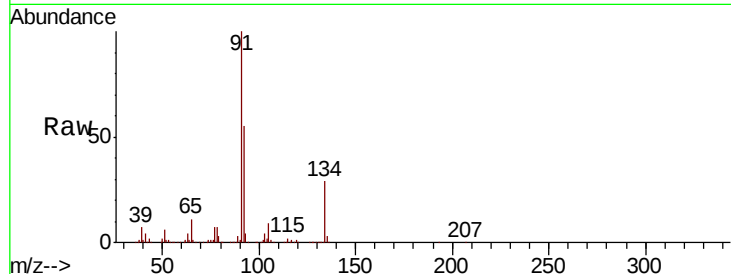
#89
n-Butylbenzene
Concen: 48.503 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.3	81.8
134	27.7	14.1	42.4

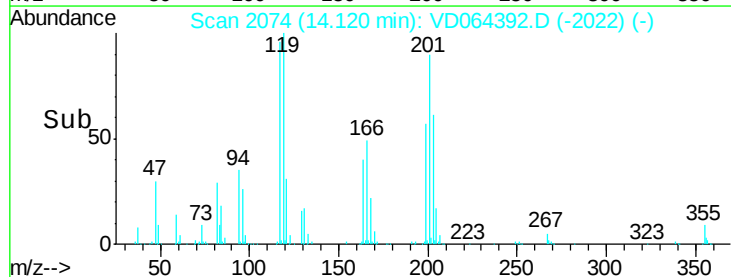
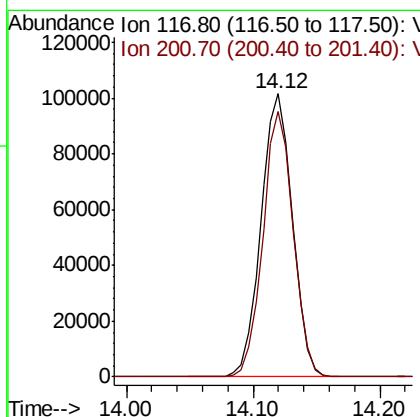
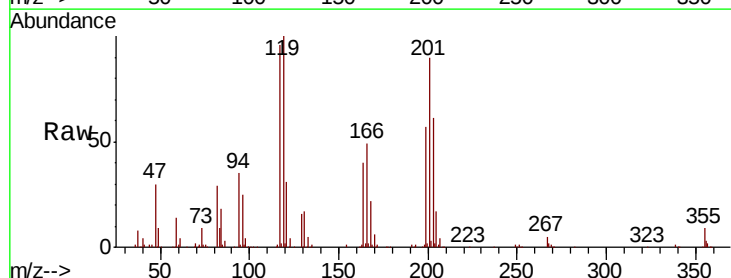
Manual Integrations
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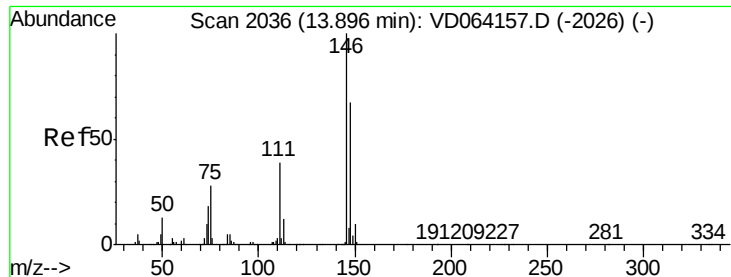
apatel
11/27/2019 5:14:08 PM



#90
Hexachloroethane
Concen: 48.213 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064392.D
Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.8	137.4





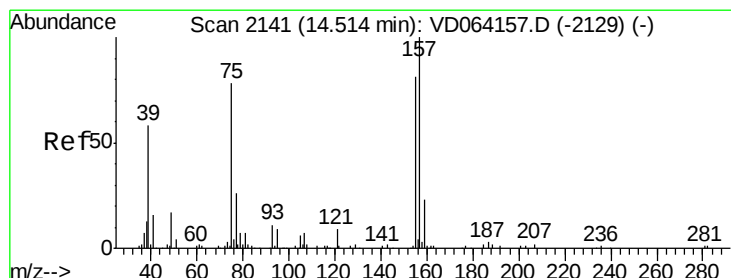
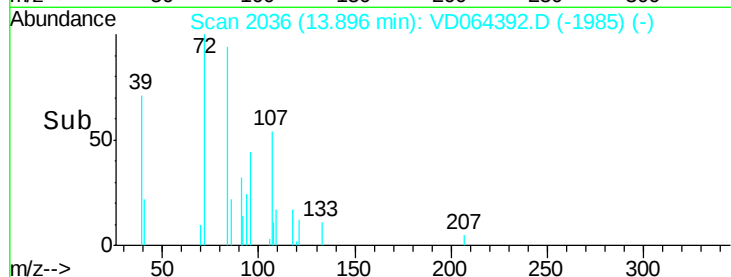
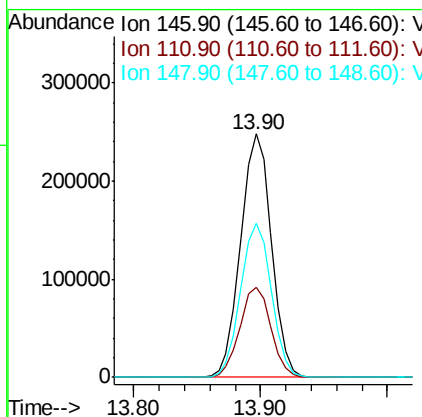
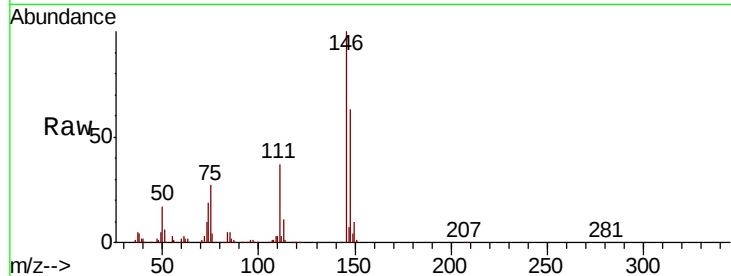
#91
 1,2-Dichlorobenzene
 Concen: 51.649 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	63.4	32.3	96.8

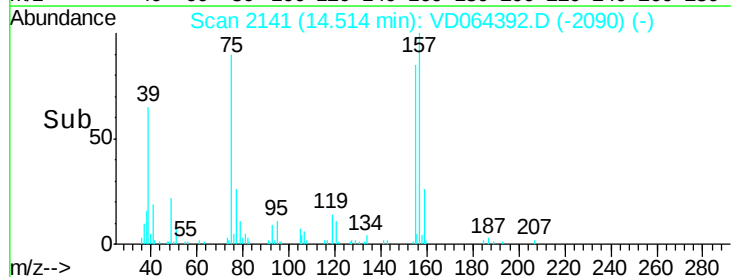
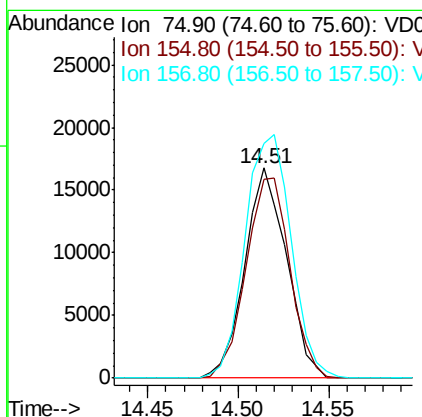
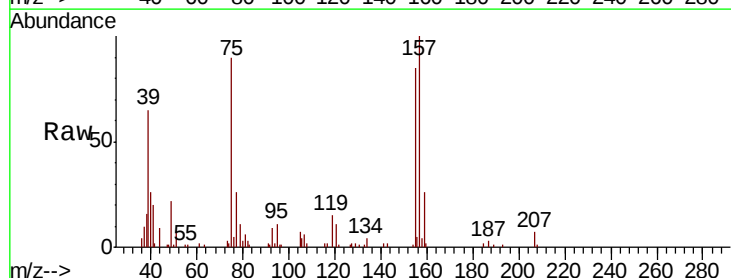
Manual Integrations
 APPROVED

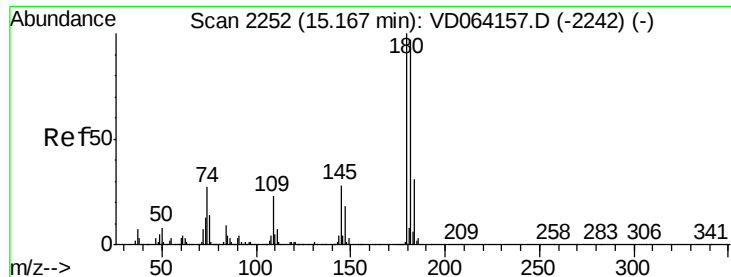
apatel
 11/27/2019 5:14:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.843 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	48.0	144.0
157	128.2	61.5	184.4





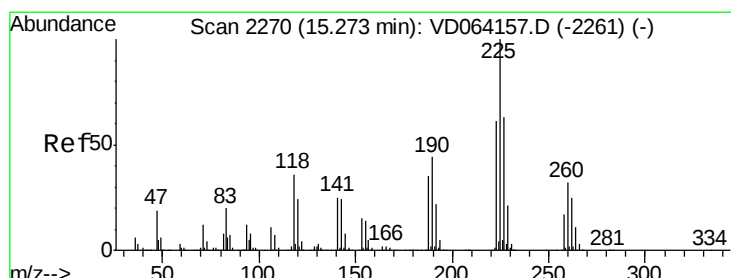
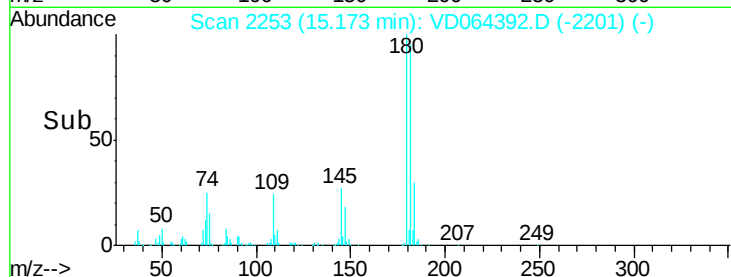
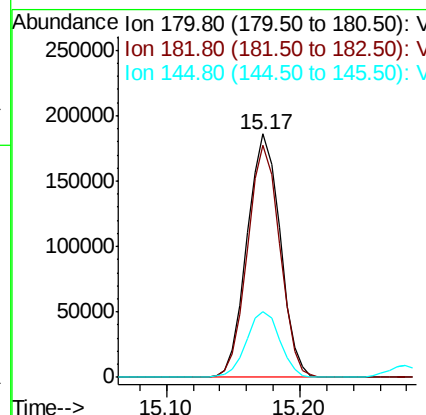
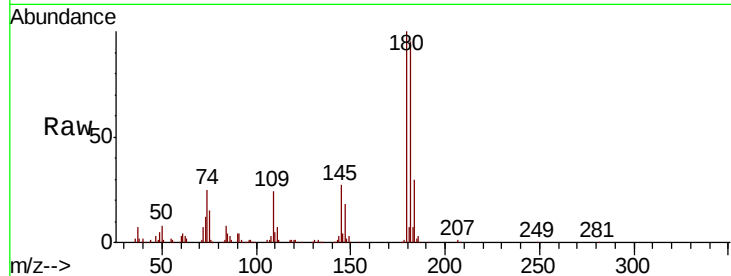
#93
 1,2,4-Trichlorobenzene
 Concen: 50.832 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.3	47.5	142.5	
145	27.3	14.2	42.6	

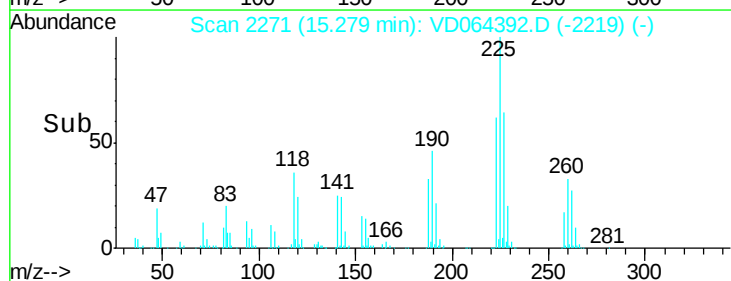
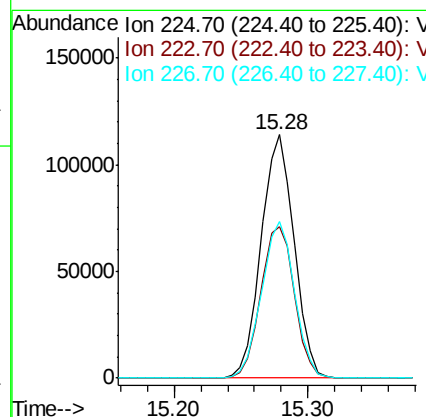
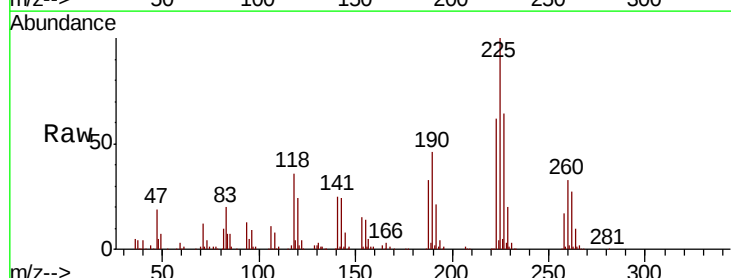
Manual Integrations
 APPROVED

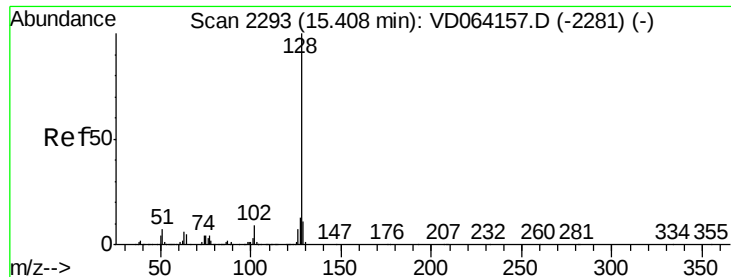
apatel
 11/27/2019 5:14:08 PM



#94
 Hexachlorobutadiene
 Concen: 48.017 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064392.D
 Acq: 26 Nov 2019 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.1	93.3	
227	64.7	31.5	94.5	





#95

Naphthalene

Concen: 51.728 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Instrument :

MSVOA_D

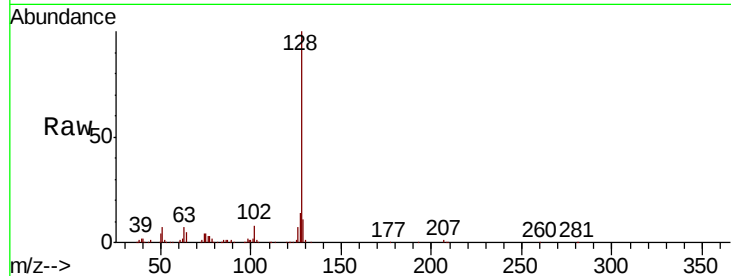
ClientSampleId :

VSTDCCC050EC

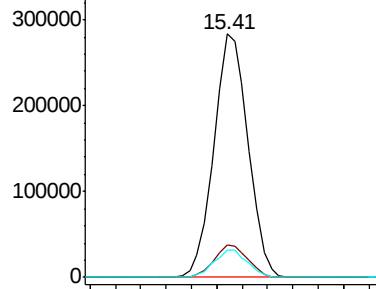
Tot Ion:	128	Resp:	530620
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

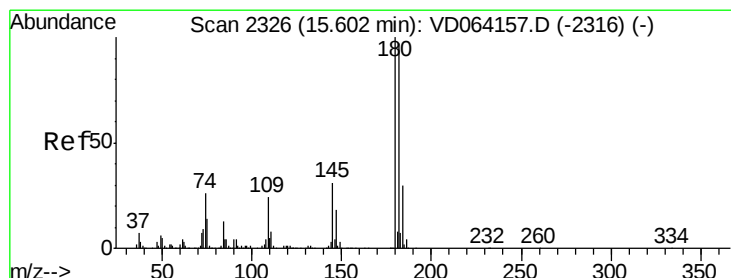
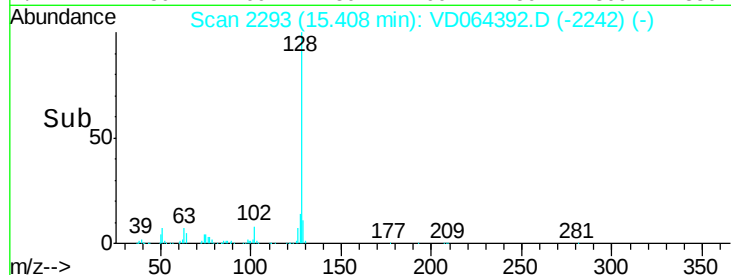
apatel
11/27/2019 5:14:08 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 50.918 ug/l

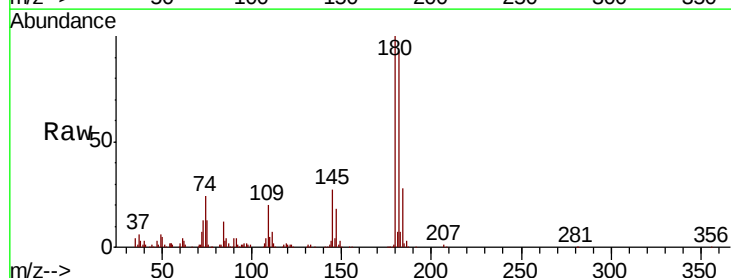
RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

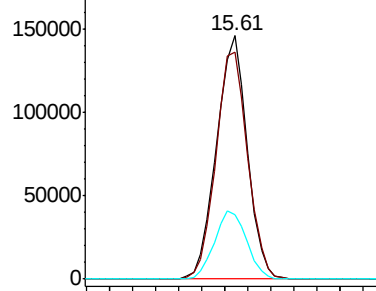
Lab File: VD064392.D

Acq: 26 Nov 2019 19:06

Tgt Ion:	180	Resp:	270843
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.3	144.9
145	29.2	15.3	45.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60 15.70

