

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064303.D
 Acq On : 19 Nov 2019 21:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:56:39 AM

Quant Time: Nov 20 05:59:05 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	519279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	775948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	217527	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.92	113	223802	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.34	98	810650	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.64	95	270144	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	192371	44.667	ug/l	99
3) Chloromethane	2.21	50	233715	50.593	ug/l	96
4) Vinyl Chloride	2.35	62	275728	55.816	ug/l	96
5) Bromomethane	2.77	94	200057	64.134	ug/l	99
6) Chloroethane	2.93	64	196424	62.227	ug/l	98
7) Trichlorofluoromethane	3.27	101	477243	59.587	ug/l	98
8) Diethyl Ether	3.71	74	118473	53.797	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	221705	48.431	ug/l	99
10) Methyl Iodide	4.30	142	242656	46.581	ug/l	99
11) Tert butyl alcohol	5.26	59	77649	260.310	ug/l	98
12) 1,1-Dichloroethene	4.06	96	210421	48.224	ug/l	95
13) Acrolein	3.93	56	70932	281.086	ug/l	99
14) Allyl chloride	4.71	41	349550	45.309	ug/l	95
15) Acrylonitrile	5.43	53	252617	269.076	ug/l	99
16) Acetone	4.17	43	186445	184.280	ug/l	96
17) Carbon Disulfide	4.40	76	615769	45.316	ug/l	99
18) Methyl Acetate	4.73	43	146228	51.747	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	543285	52.156	ug/l	97
20) Methylene Chloride	4.97	84	240641	47.086	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	245709	49.703	ug/l	99
22) Diisopropyl ether	6.37	45	722258	50.457	ug/l	99
23) Vinyl Acetate	6.31	43	2106289	263.974	ug/l	99
24) 1,1-Dichloroethane	6.27	63	417672	50.253	ug/l	99
25) 2-Butanone	7.22	43	312992	239.451	ug/l	99
26) 2,2-Dichloropropane	7.21	77	345370	42.373	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276951	52.241	ug/l	93
28) Bromochloromethane	7.56	49	173395	59.924	ug/l	99
29) Tetrahydrofuran	7.57	42	211262	269.005	ug/l	97
30) Chloroform	7.72	83	450613	53.003	ug/l	98
31) Cyclohexane	7.98	56	362819	43.285	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	393216	48.303	ug/l	100
36) 1,1-Dichloropropene	8.11	75	324335	45.290	ug/l	99
37) Ethyl Acetate	7.30	43	149607	49.554	ug/l	97
38) Carbon Tetrachloride	8.10	117	353318	46.108	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	396197	43.722	ug/l	95
40) Benzene	8.36	78	961364	49.119	ug/l	97
41) Methacrylonitrile	7.53	41	84739	44.657	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	289803	49.301	ug/l	100
43) Isopropyl Acetate	8.46	43	297954	47.899	ug/l	97
44) Trichloroethene	9.11	130	281177	47.866	ug/l	100
45) 1,2-Dichloropropane	9.39	63	238180	49.998	ug/l	99
46) Dibromomethane	9.48	93	136596	53.560	ug/l	98
47) Bromodichloromethane	9.67	83	348521	50.734	ug/l	98
48) Methyl methacrylate	9.46	41	141171	46.412	ug/l	94
49) 1,4-Dioxane	9.47	88	32476	1060.291	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	740132	248.118	ug/l	99
52) Toluene	10.41	92	616751	47.922	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	333097	48.400	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	389592	48.511	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	182800	52.837	ug/l	98
56) Ethyl methacrylate	10.67	69	241672	49.936	ug/l	95
57) 1,3-Dichloropropane	10.96	76	315785	52.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	502262	256.200	ug/l	99
59) 2-Hexanone	10.99	43	499779	235.497	ug/l	98
60) Dibromochloromethane	11.14	129	249959	51.778	ug/l	99
61) 1,2-Dibromoethane	11.25	107	182125	52.558	ug/l	97
64) Tetrachloroethene	10.88	164	237627	45.018	ug/l	97
65) Chlorobenzene	11.67	112	675618	48.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	258062	48.629	ug/l	97
67) Ethyl Benzene	11.75	91	1183288	46.873	ug/l	99
68) m/p-Xylenes	11.86	106	913185	94.373	ug/l	98
69) o-Xylene	12.18	106	432497	48.193	ug/l	97
70) Styrene	12.20	104	749023	47.815	ug/l	98
71) Bromoform	12.37	173	156275	51.745	ug/l #	99
73) Isopropylbenzene	12.48	105	1136336	46.403	ug/l	100
74) N-amyl acetate	12.30	43	269371	46.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	189641	51.394	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	129115m	48.047	ug/l	
77) Bromobenzene	12.77	156	296450	49.830	ug/l	97
78) n-propylbenzene	12.83	91	1298136	46.398	ug/l	99
79) 2-Chlorotoluene	12.91	91	732046	46.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	928966	46.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	61280	45.297	ug/l	98
82) 4-Chlorotoluene	13.01	91	764113	46.379	ug/l	99
83) tert-Butylbenzene	13.23	119	806534	45.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	932401	46.935	ug/l	100
85) sec-Butylbenzene	13.41	105	1093801	45.899	ug/l	99
86) p-Isopropyltoluene	13.53	119	1032192	45.560	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	534765	48.423	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	529866	49.160	ug/l	100
89) n-Butylbenzene	13.86	91	913853	44.647	ug/l	99
90) Hexachloroethane	14.12	117	195786	46.760	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	467554	50.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29739	45.077	ug/l	92

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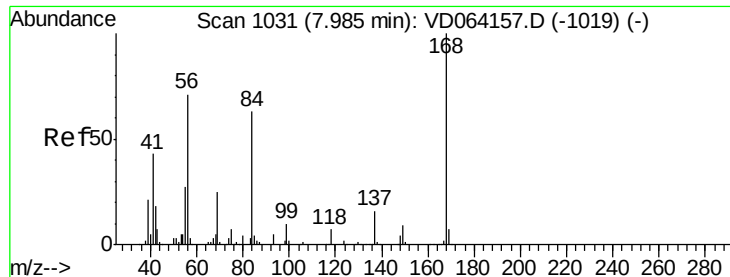
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	346968	48.119	ug/l	99
94) Hexachlorobutadiene	15.28	225	212586	45.645	ug/l	98
95) Naphthalene	15.41	128	602963	51.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	302972	49.430	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 519279

Ion Ratio Lower Upper

168 100

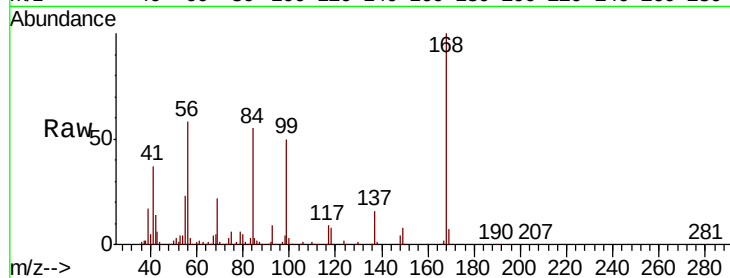
99 49.6 41.6 62.4

Manual Integrations

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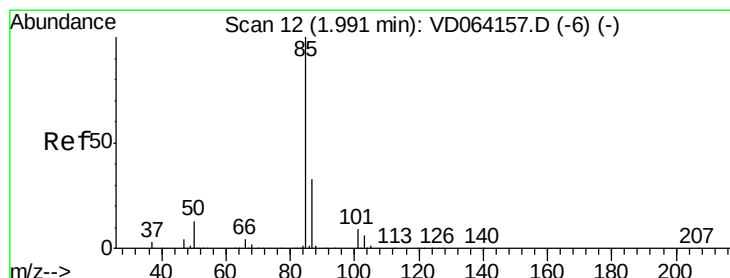
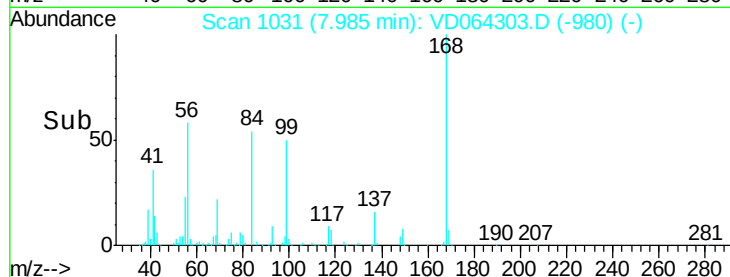
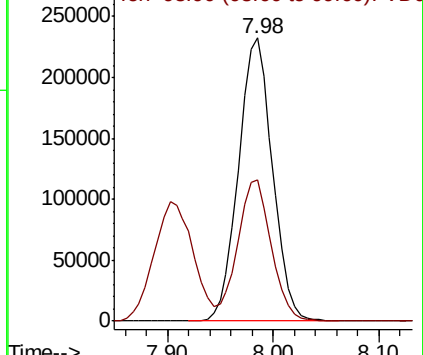
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.667 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064303.D

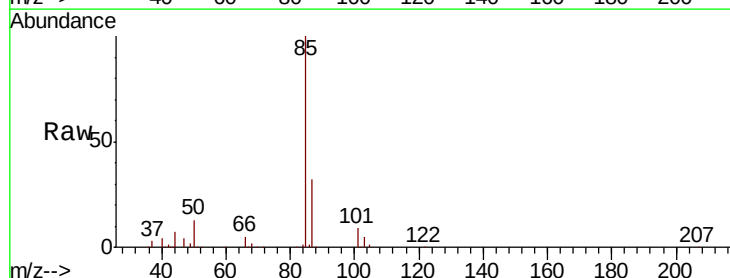
Acq: 19 Nov 2019 21:38

Tgt Ion: 85 Resp: 192371

Ion Ratio Lower Upper

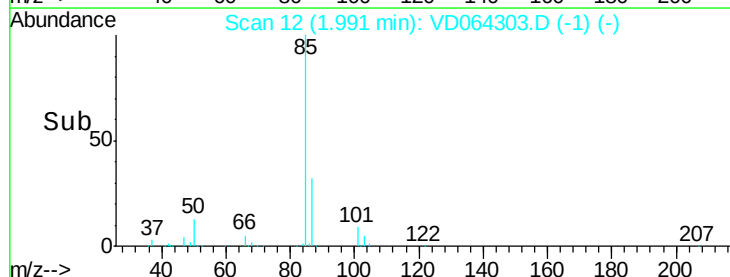
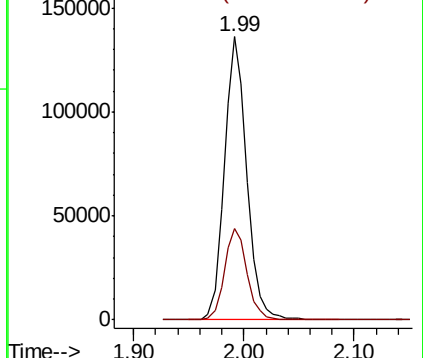
85 100

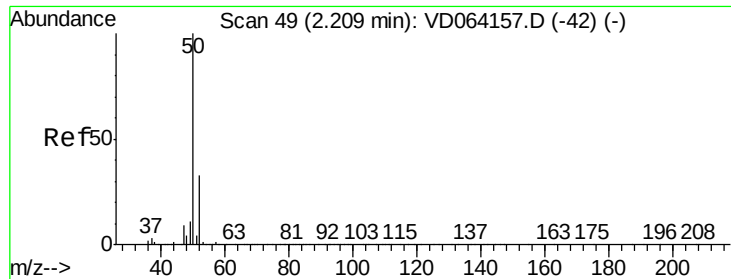
87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.593 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 233715

Ion Ratio Lower Upper

50 100

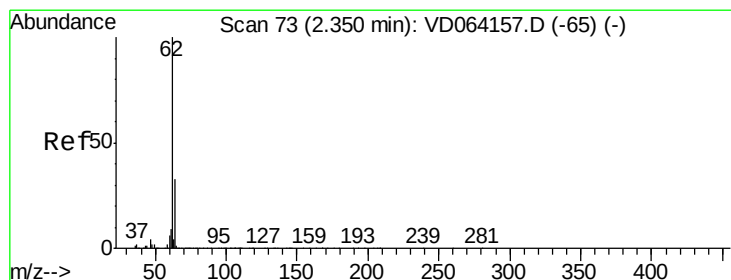
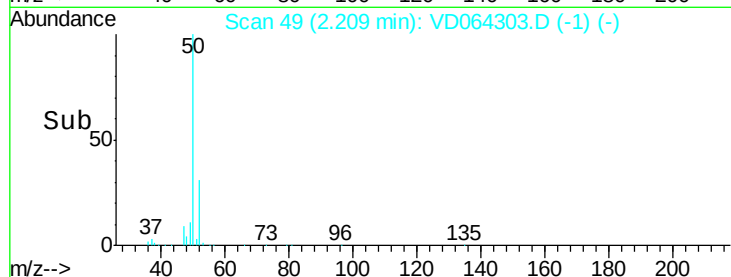
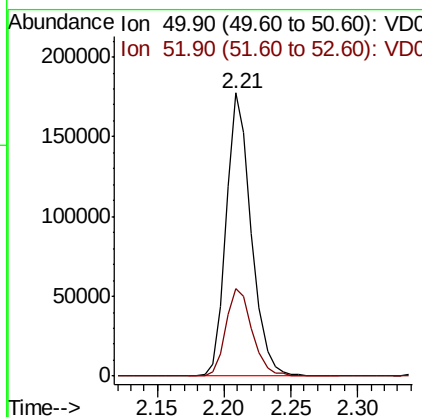
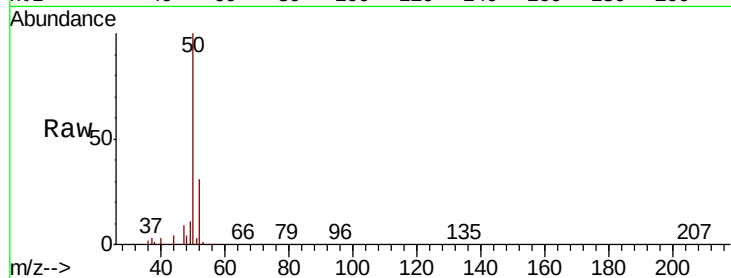
52 30.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.816 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064303.D

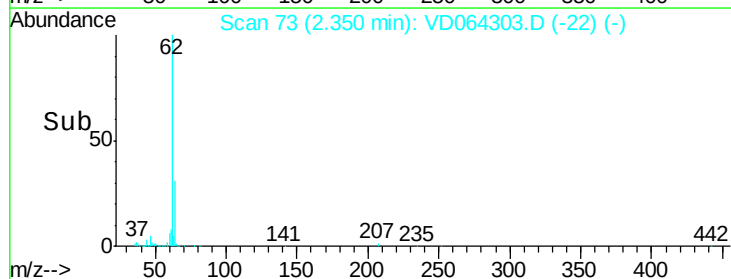
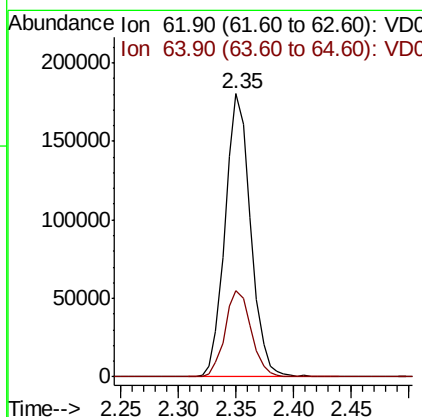
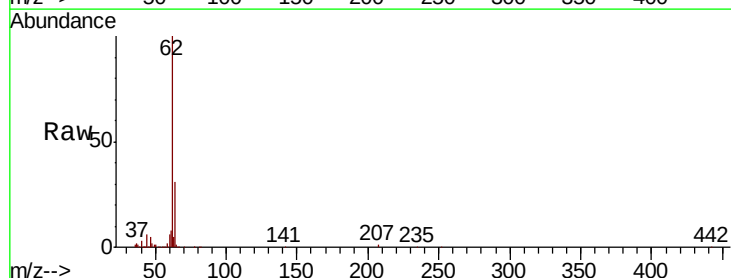
Acq: 19 Nov 2019 21:38

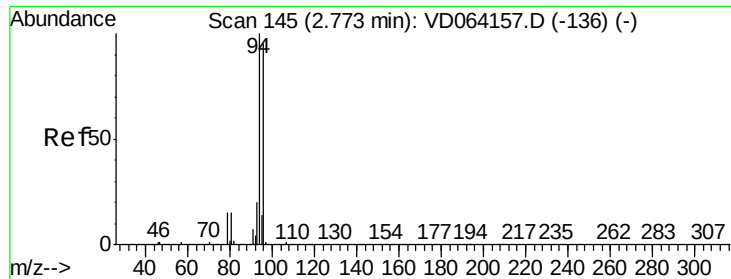
Tgt Ion: 62 Resp: 275728

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2





#5

Bromomethane

Concen: 64.134 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 200057

Ion Ratio Lower Upper

94 100

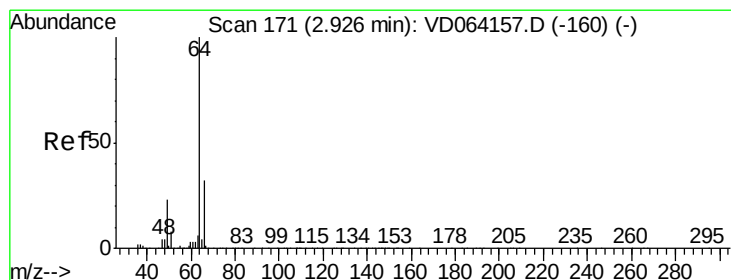
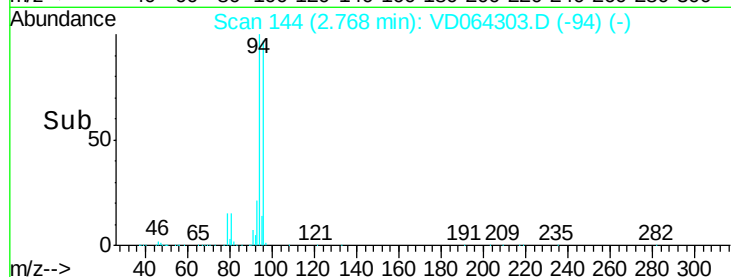
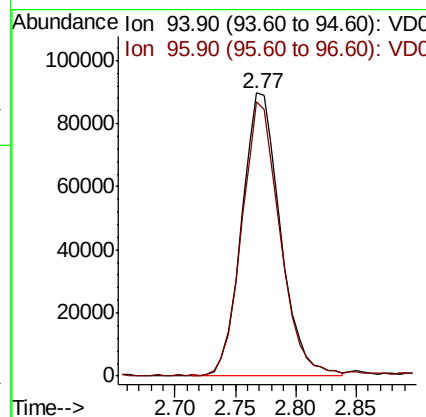
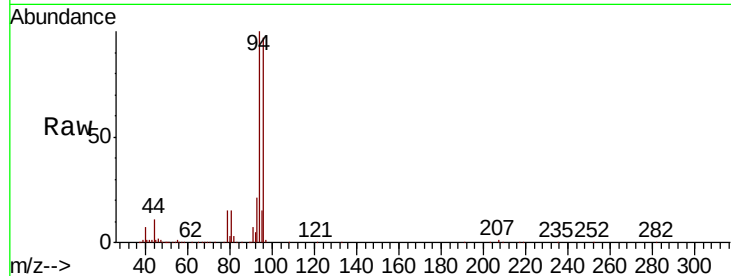
96 96.6 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 62.227 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064303.D

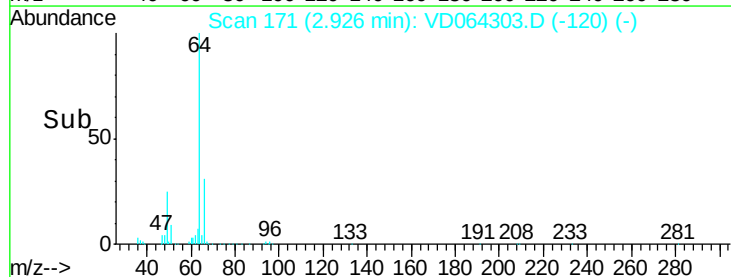
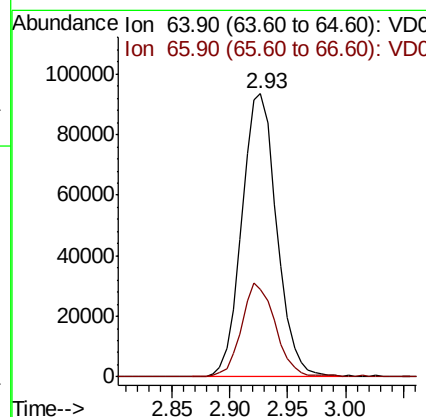
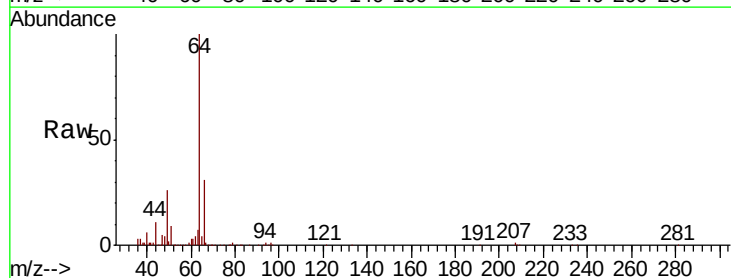
Acq: 19 Nov 2019 21:38

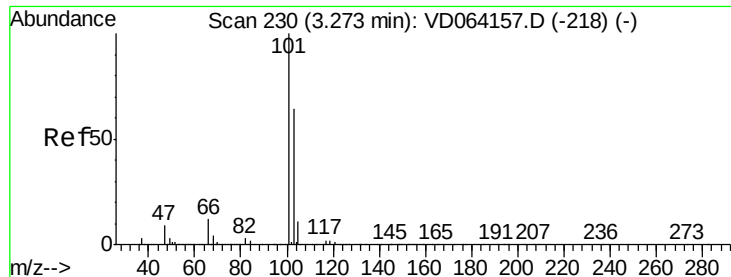
Tgt Ion: 64 Resp: 196424

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





#7

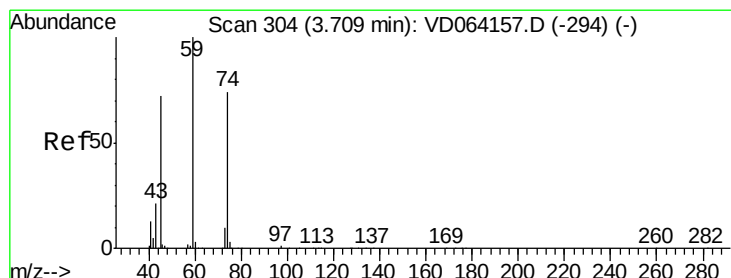
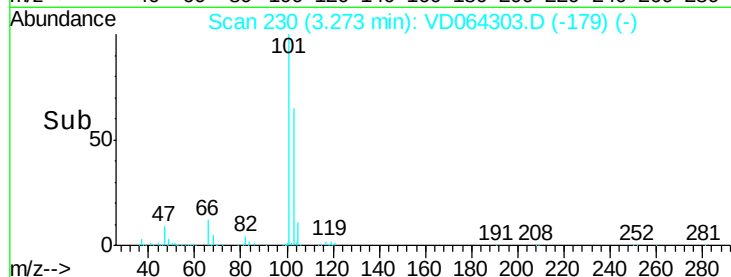
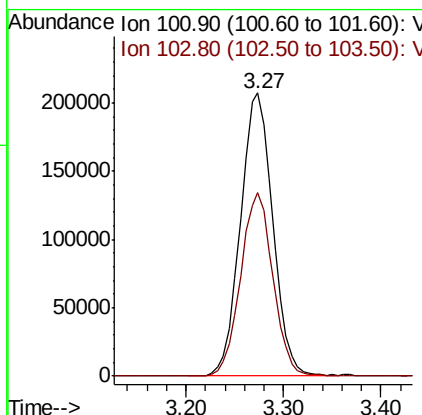
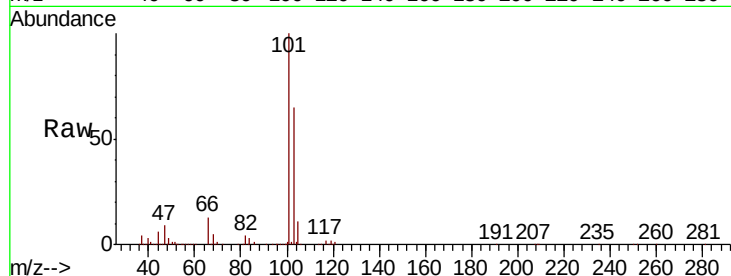
Trichlorofluoromethane
Concen: 59.587 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.8	76.2

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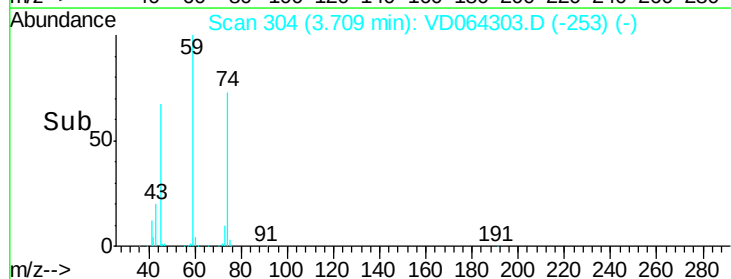
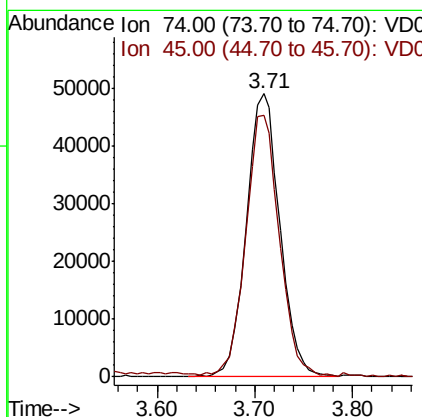
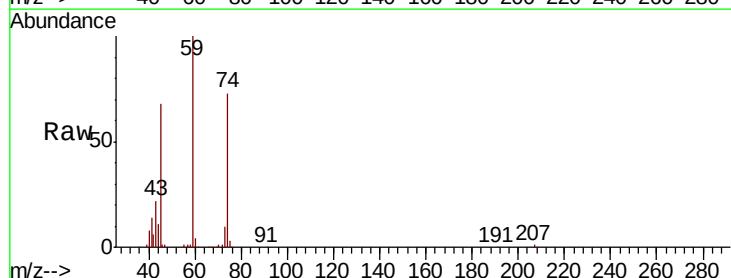
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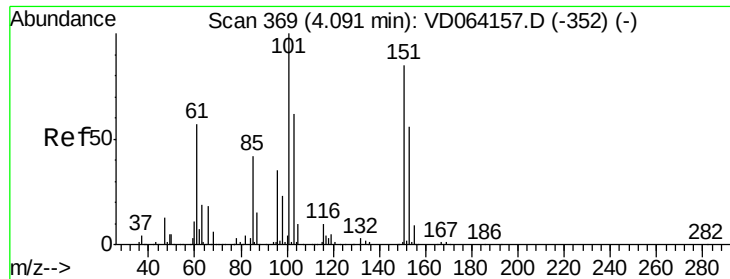


#8

Diethyl Ether
Concen: 53.797 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.431 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

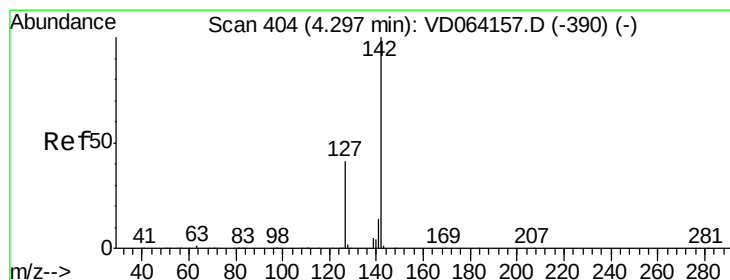
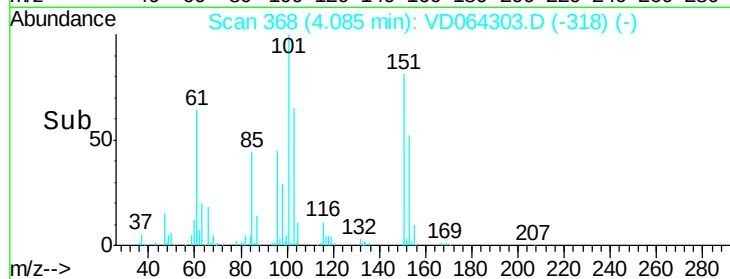
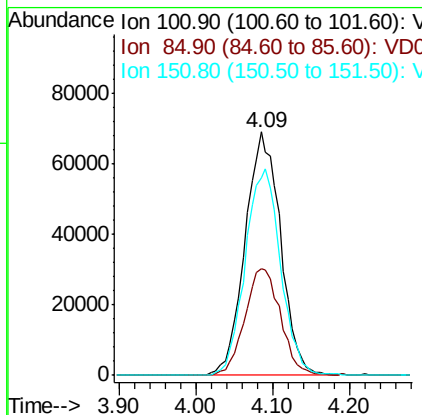
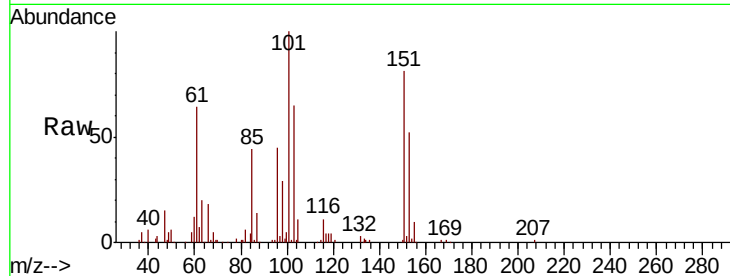
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	221705
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.4	51.6
151	84.9	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 46.581 ug/l

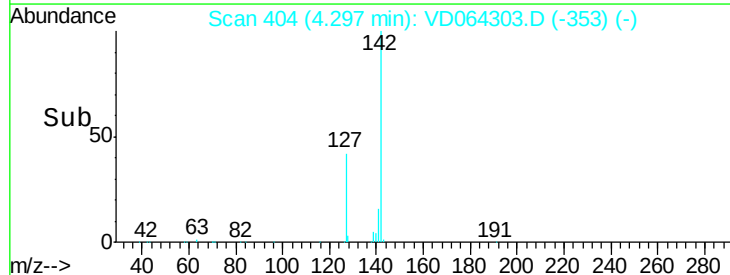
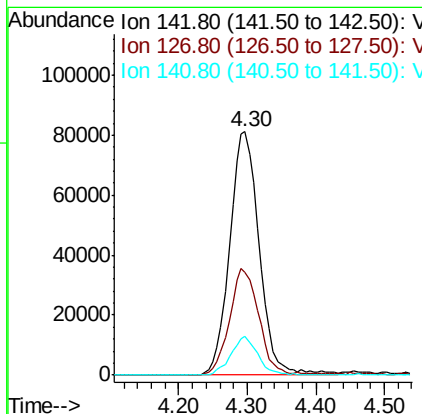
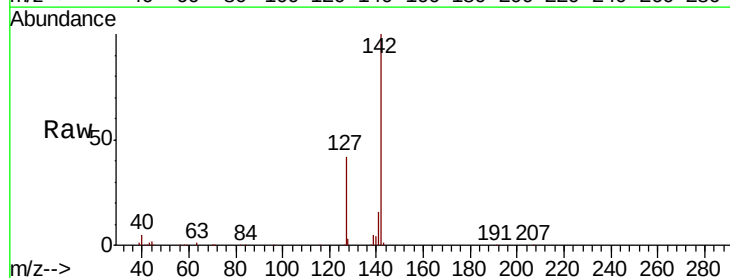
RT: 4.30 min Scan# 404

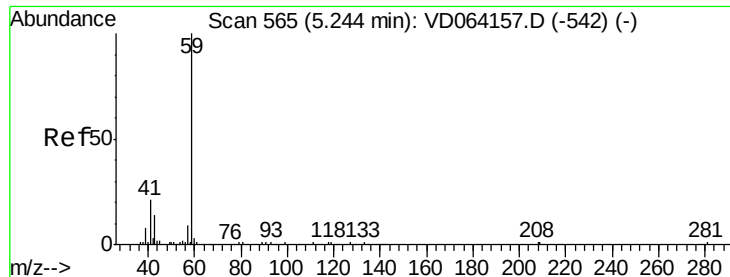
Delta R.T. 0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	142	Resp:	242656
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.4	51.6
141	14.4	11.2	16.8





#11

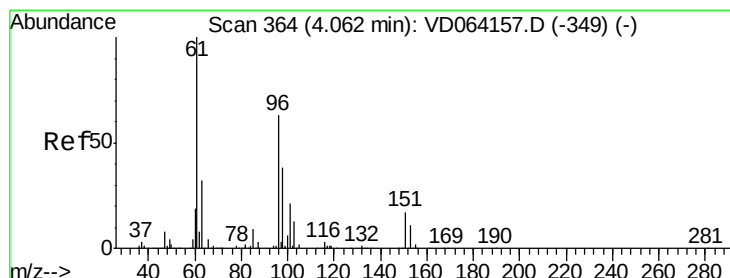
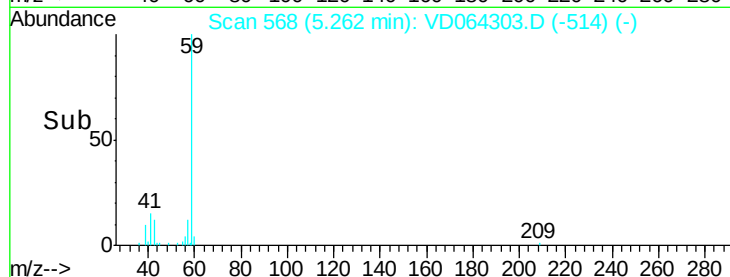
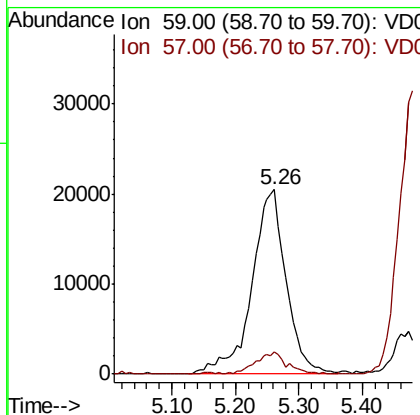
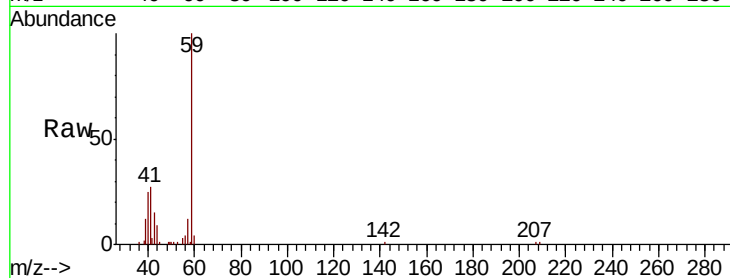
Tert butyl alcohol
Concen: 260.310 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.4	14.2

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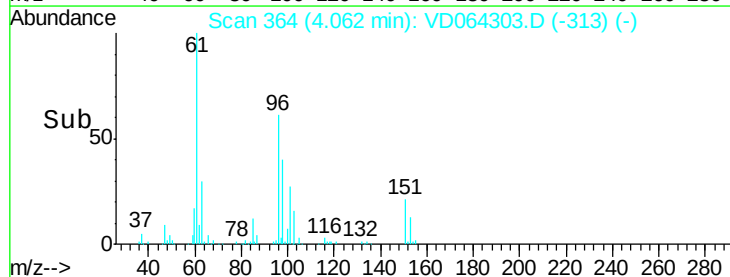
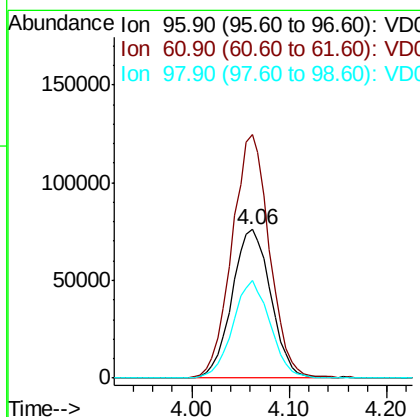
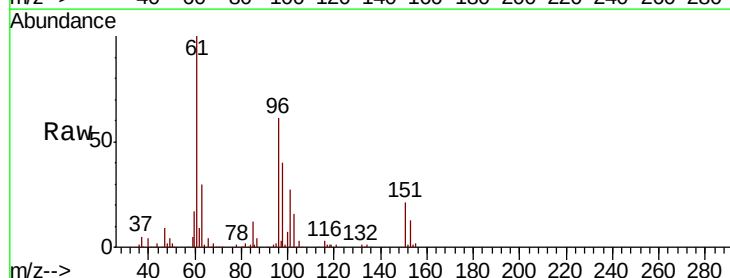
MMDadoda
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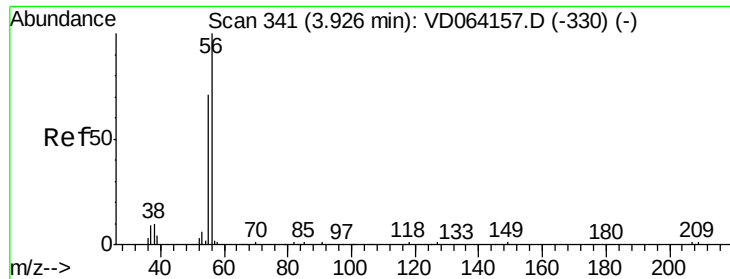


#12

1,1-Dichloroethene
Concen: 48.224 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	127.4	191.2
98	66.2	48.1	72.1





#13

Acrolein

Concen: 281.086 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70932

Ion Ratio Lower Upper

56 100

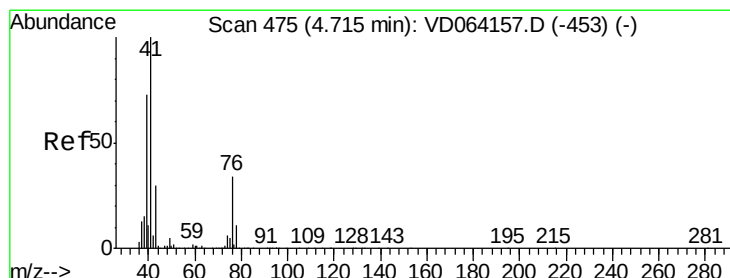
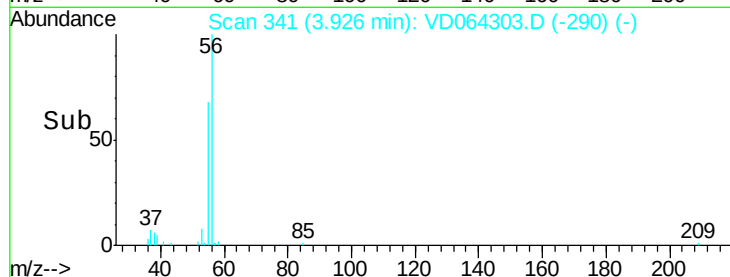
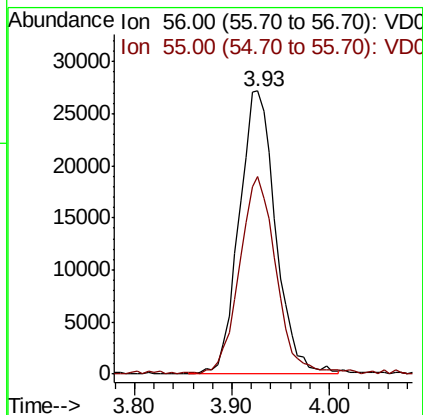
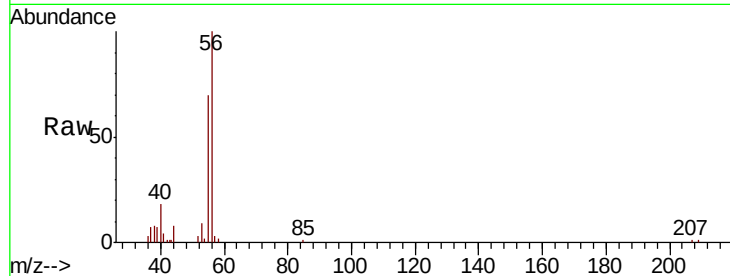
55 70.6 56.1 84.1

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#14

Allyl chloride

Concen: 45.309 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

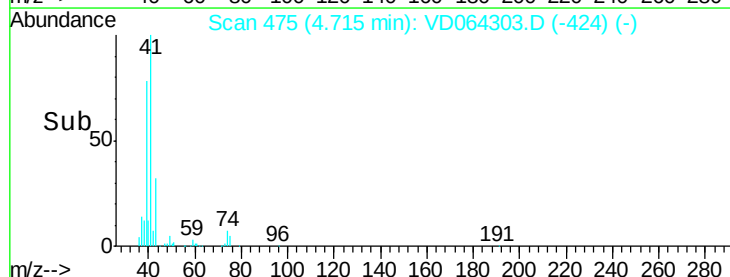
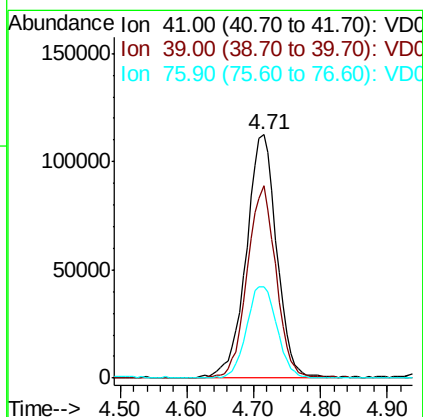
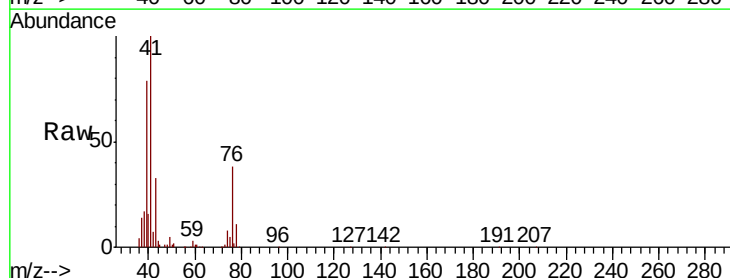
Tgt Ion: 41 Resp: 349550

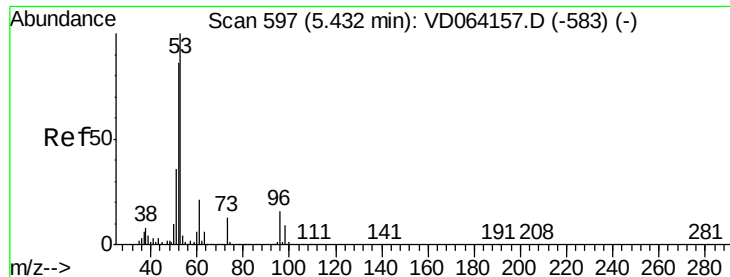
Ion Ratio Lower Upper

41 100

39 75.2 57.5 86.3

76 37.8 26.8 40.2





#15

Acrylonitrile

Concen: 269.076 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

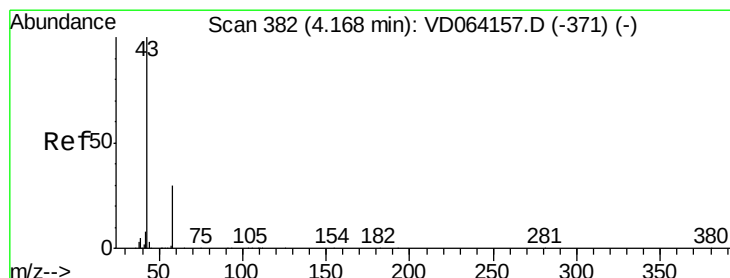
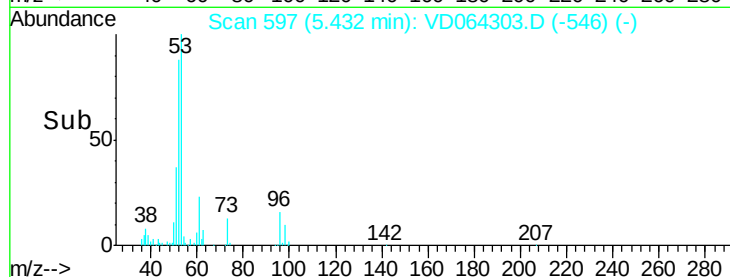
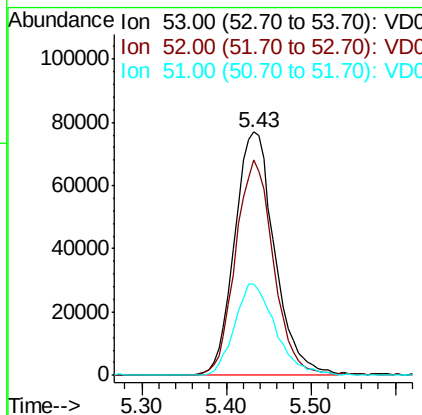
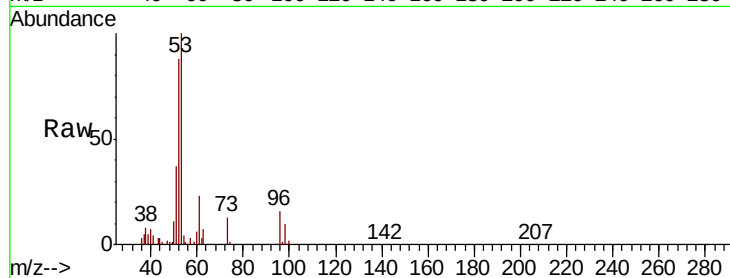
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	252617
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.7	100.1
51	38.6	30.6	46.0

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#16

Acetone

Concen: 184.280 ug/l

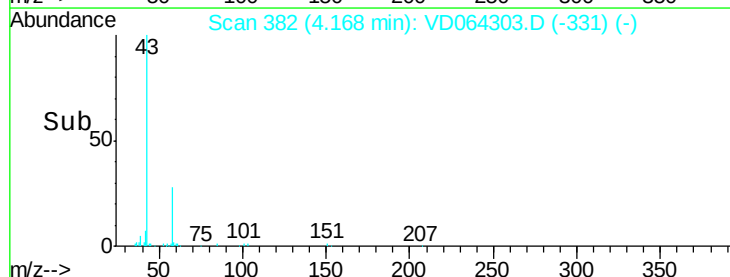
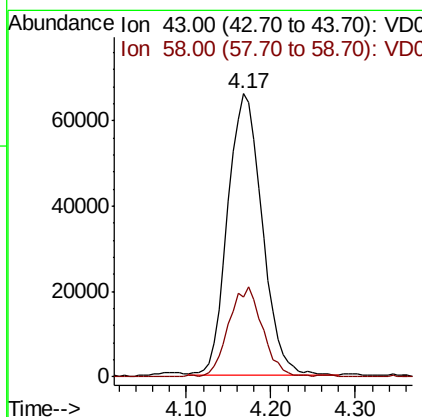
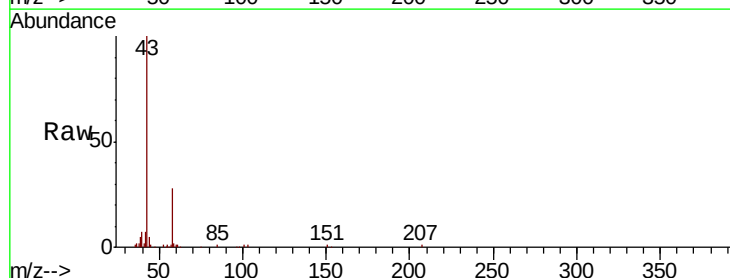
RT: 4.17 min Scan# 382

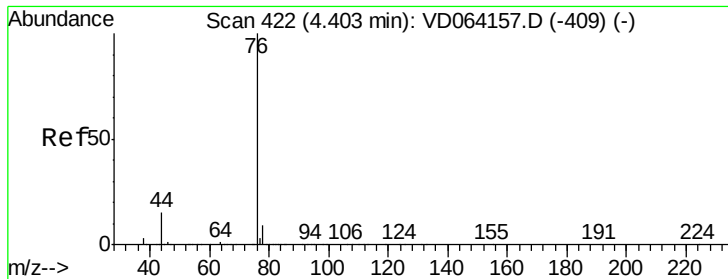
Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	43	Resp:	186445
Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.1	36.1





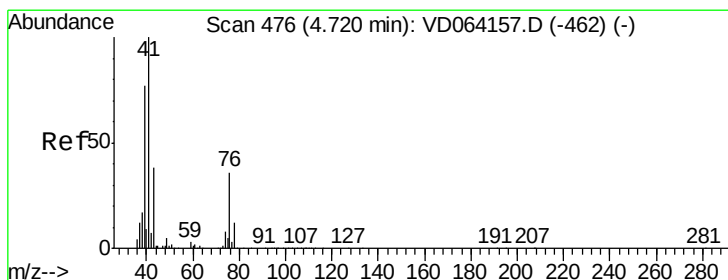
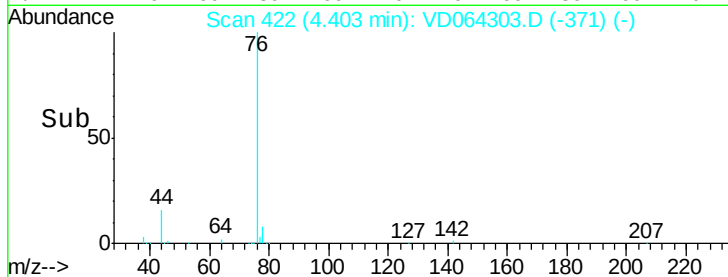
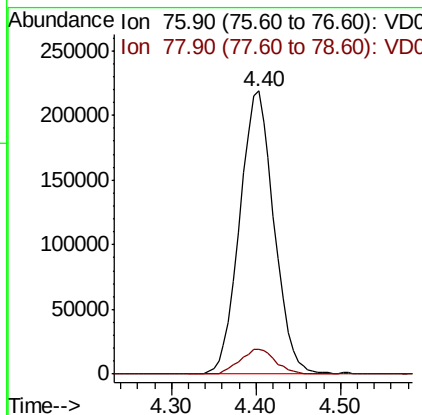
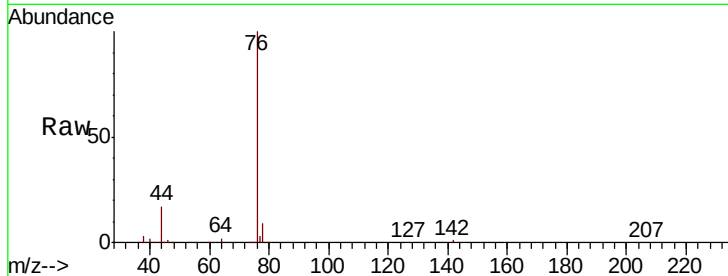
#17
Carbon Disulfide
Concen: 45.316 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

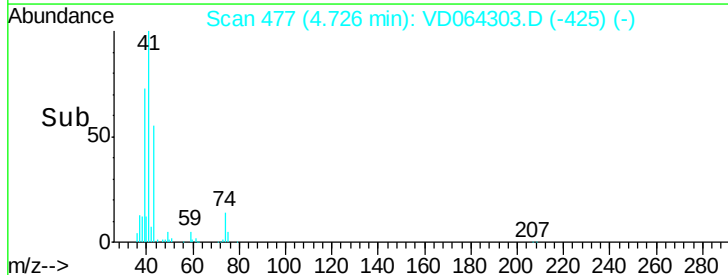
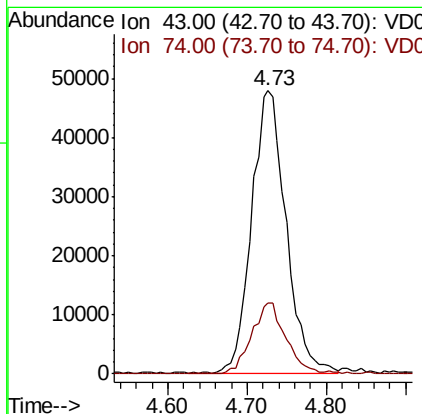
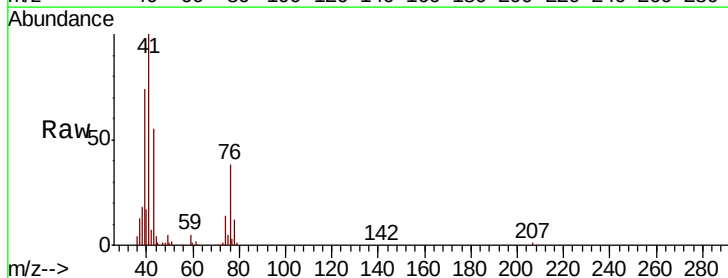
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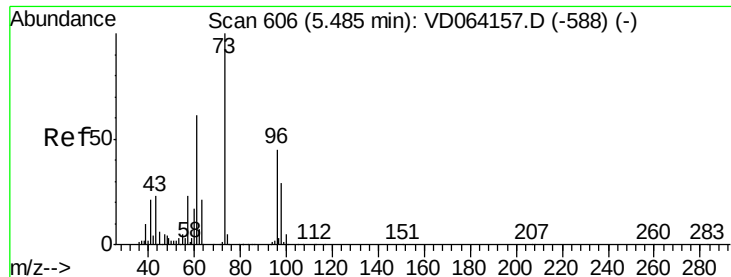
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#18
Methyl Acetate
Concen: 51.747 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.4	27.6





#19

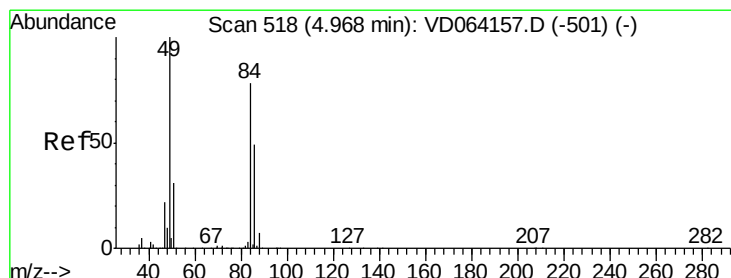
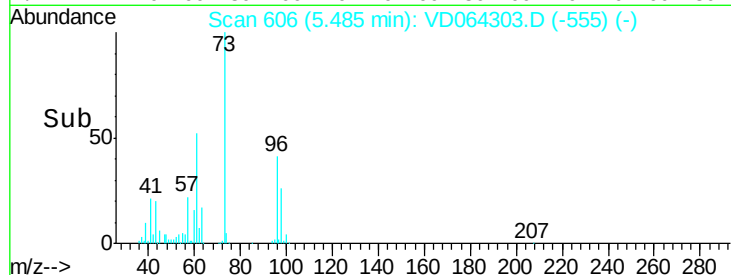
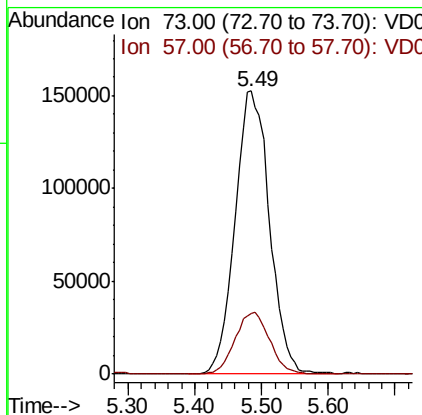
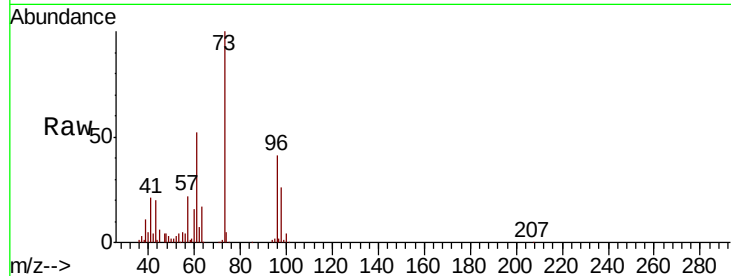
Methyl tert-butyl Ether
 Concen: 52.156 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 543285
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.4 27.6

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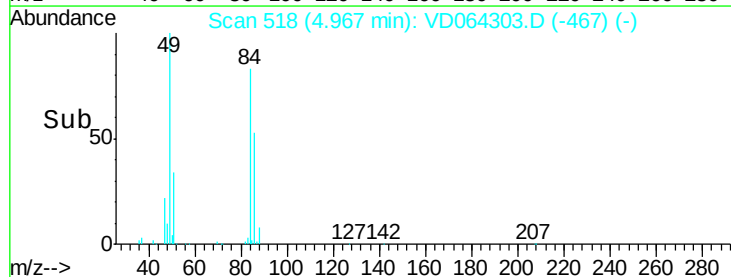
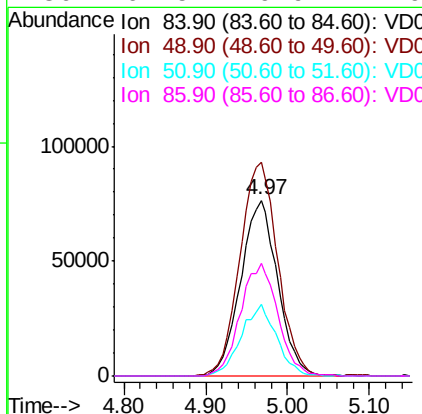
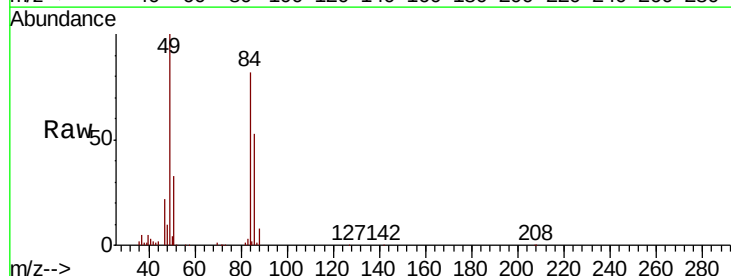
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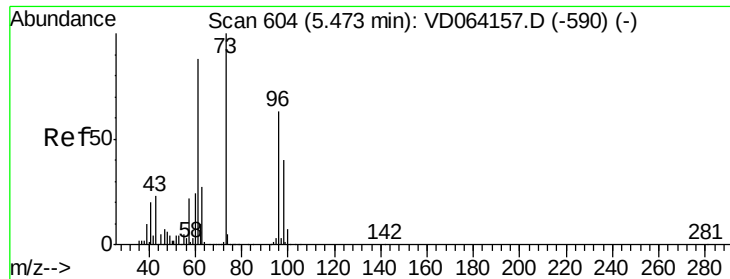


#20

Methylene Chloride
 Concen: 47.086 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion: 84 Resp: 240641
 Ion Ratio Lower Upper
 84 100
 49 121.7 102.1 153.1
 51 40.8 32.2 48.2
 86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.703 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 245709

Ion Ratio Lower Upper

96 100

61 137.1 111.8 167.6

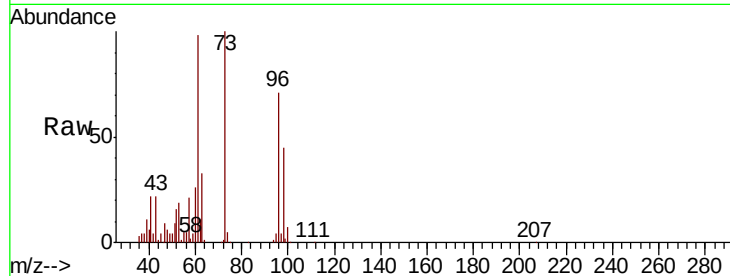
98 62.9 50.3 75.5

Manual Integrations

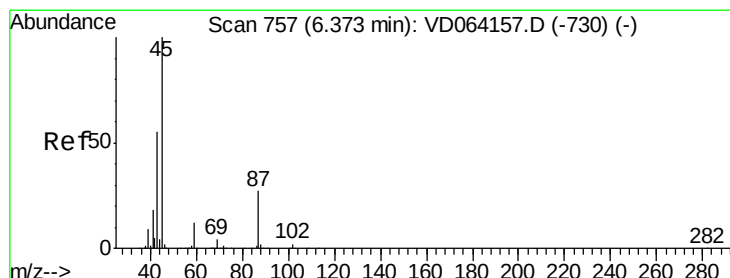
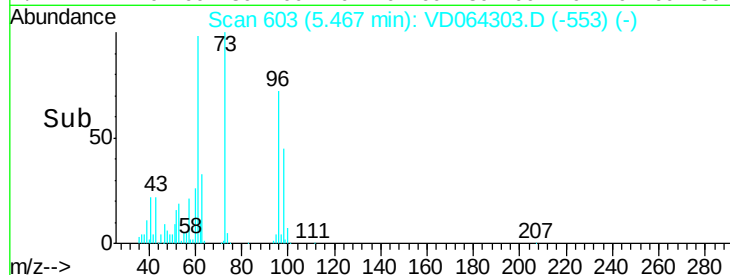
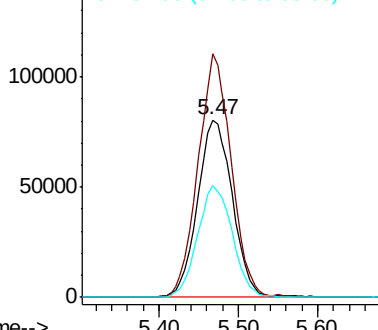
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 50.457 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion: 45 Resp: 722258

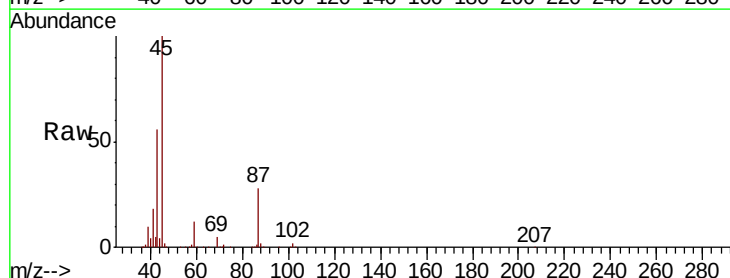
Ion Ratio Lower Upper

45 100

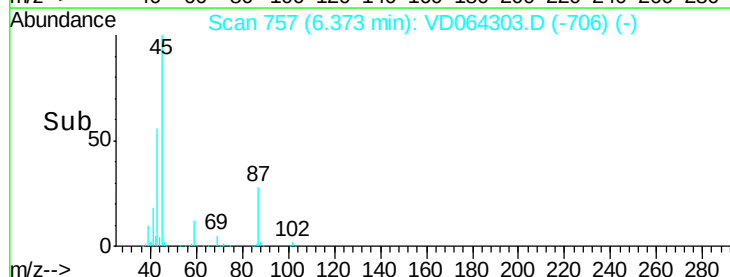
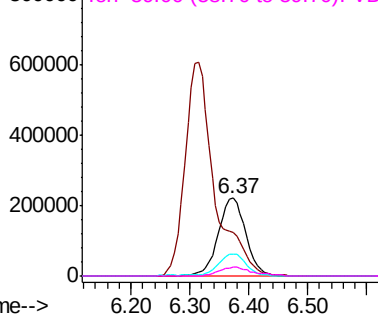
43 55.8 44.4 66.6

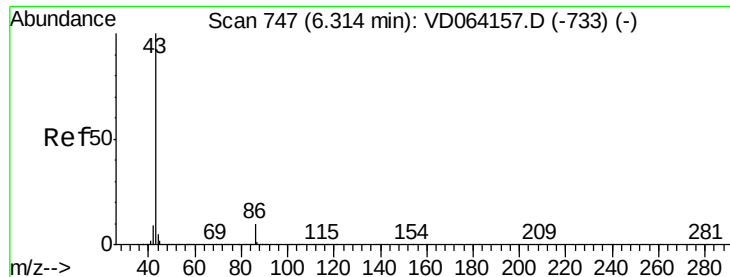
87 27.9 21.9 32.9

59 11.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





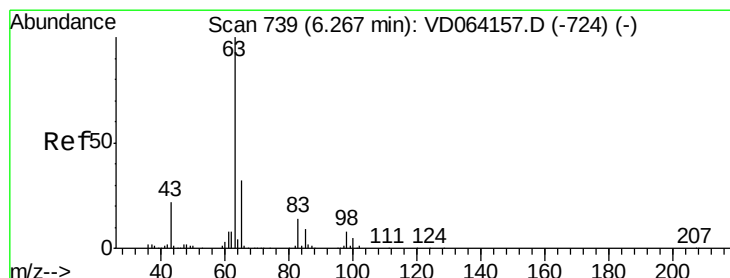
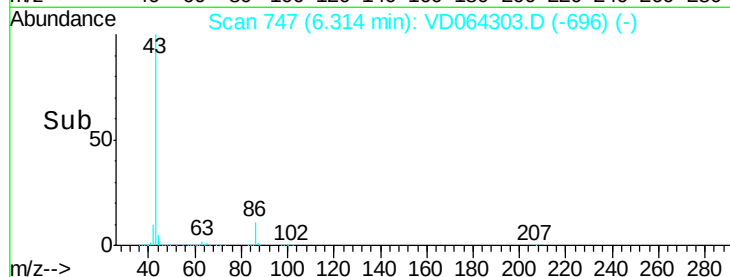
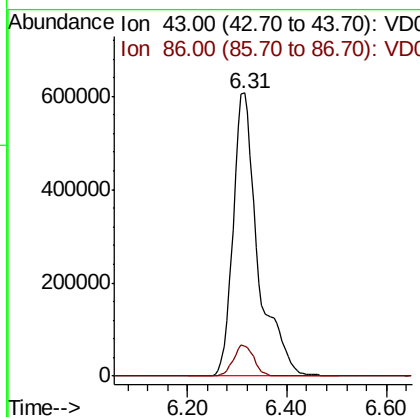
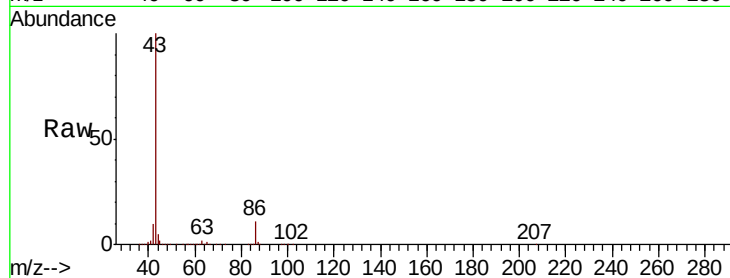
#23
 Vinyl Acetate
 Concen: 263.974 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2106289
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2

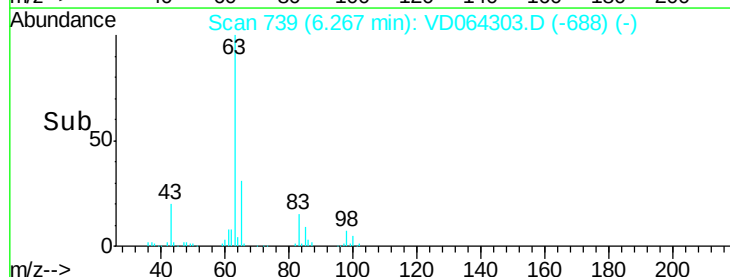
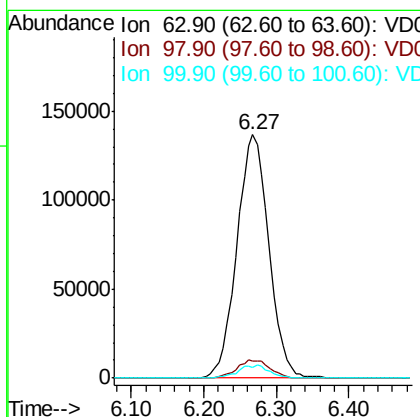
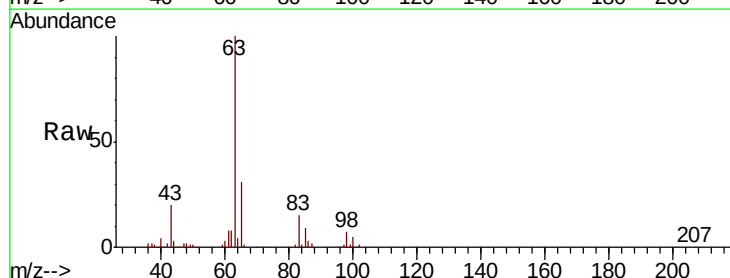
Manual Integrations
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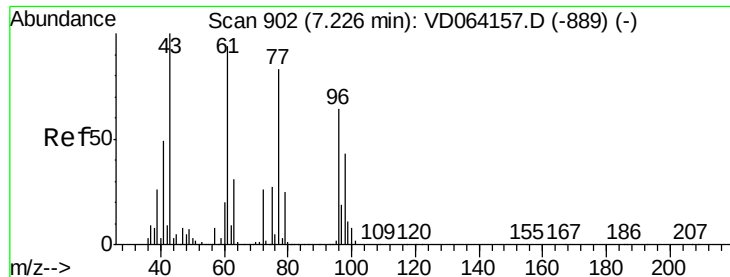
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#24
 1,1-Dichloroethane
 Concen: 50.253 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion: 63 Resp: 417672
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.4
 100 4.6 2.4 7.2





#25

2-Butanone

Concen: 239.451 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 312992

Ion Ratio Lower Upper

43 100

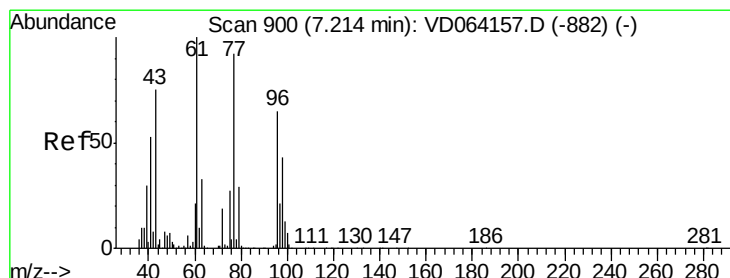
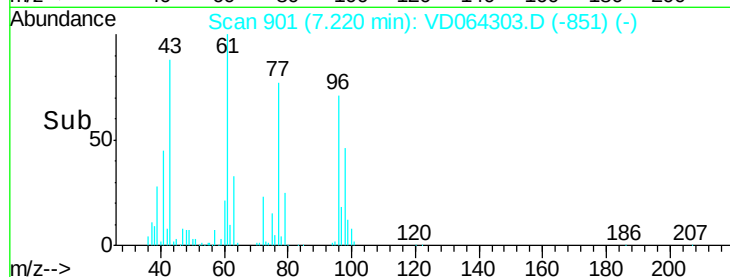
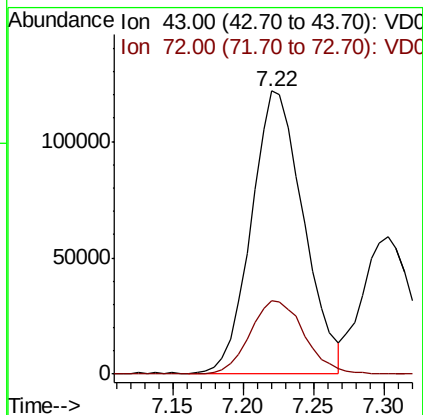
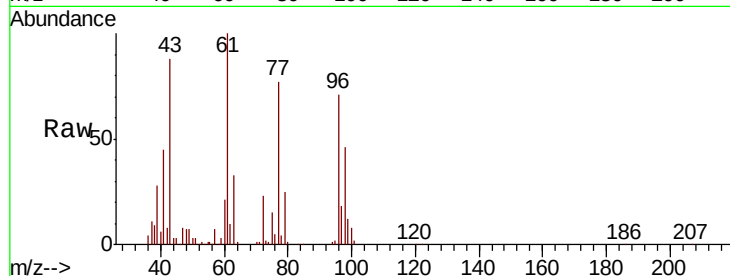
72 26.2 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.373 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064303.D

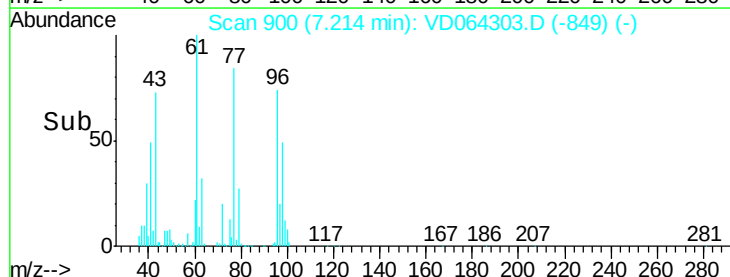
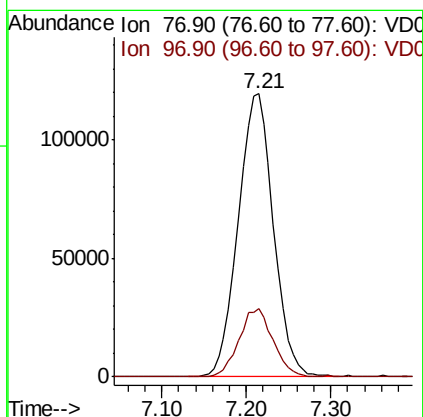
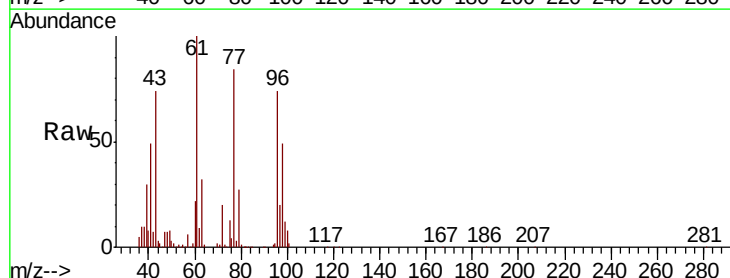
Acq: 19 Nov 2019 21:38

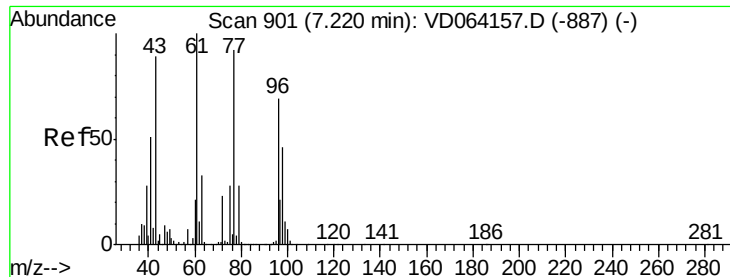
Tgt Ion: 77 Resp: 345370

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.3





#27

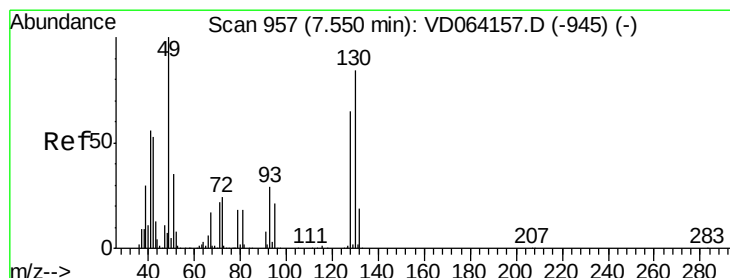
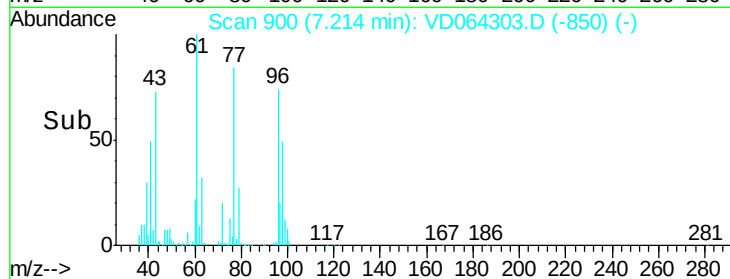
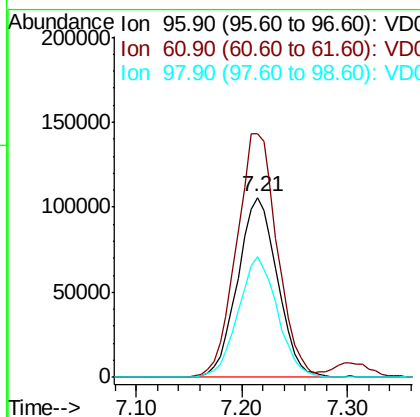
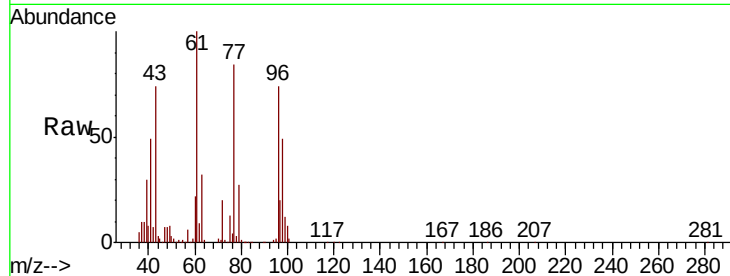
cis-1,2-Dichloroethene
 Concen: 52.241 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	276951		
61	139.1	0.0	301.4	
98	66.0	0.0	133.2	

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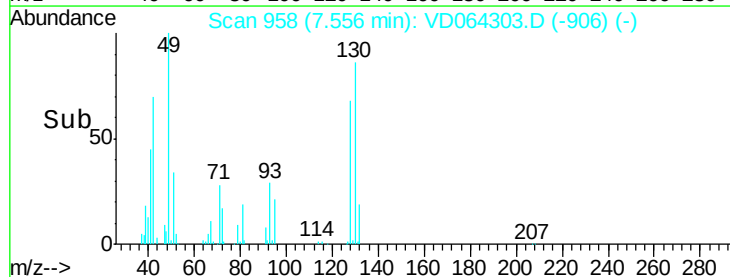
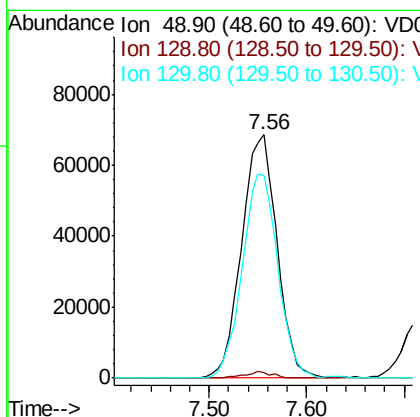
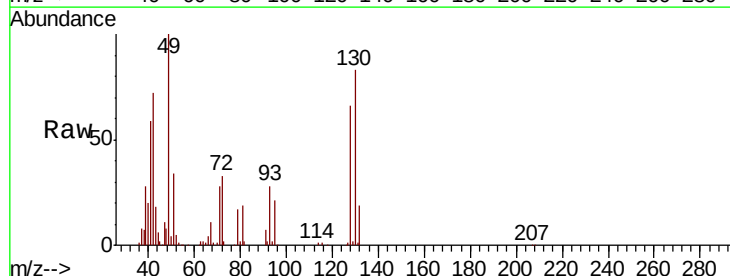
MMDadoda
 11/20/2019 9:56:39 AM

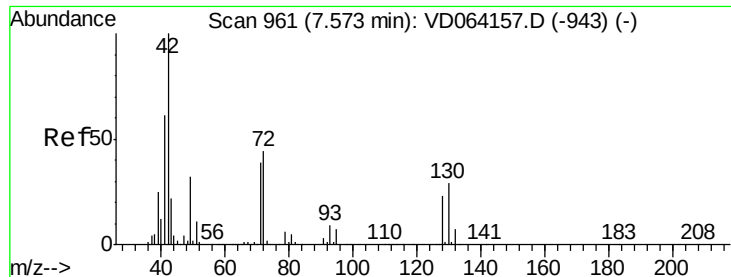


#28

Bromochloromethane
 Concen: 59.924 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	173395		
129	2.1	0.0	4.4	
130	84.4	66.8	100.2	





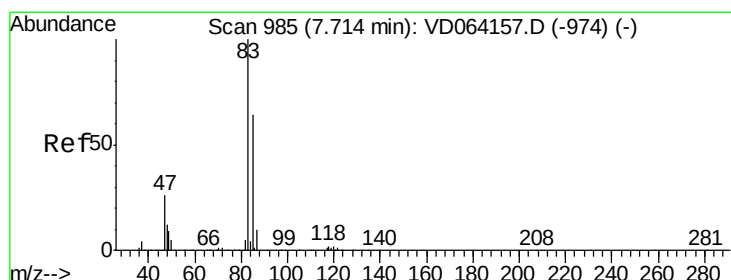
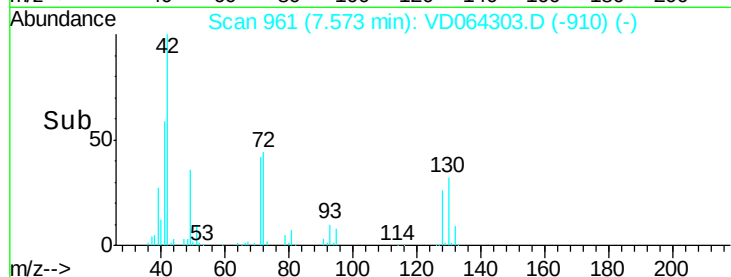
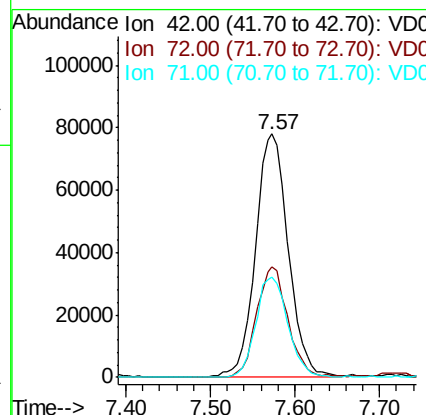
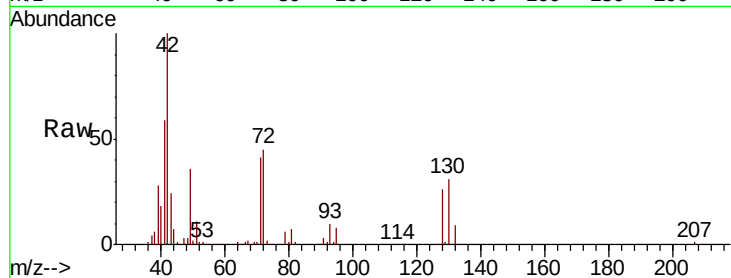
#29
Tetrahydrofuran
Concen: 269.005 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.4	50.2
71	40.4	31.0	46.4

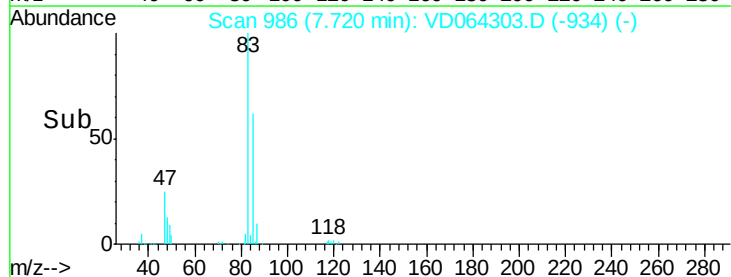
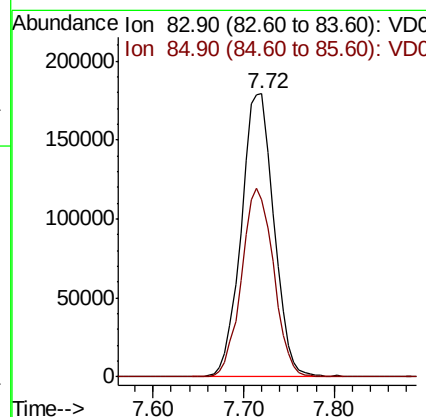
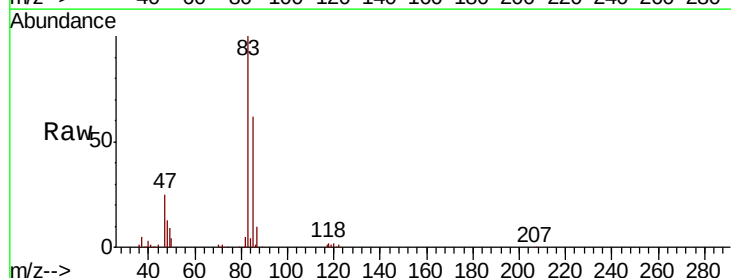
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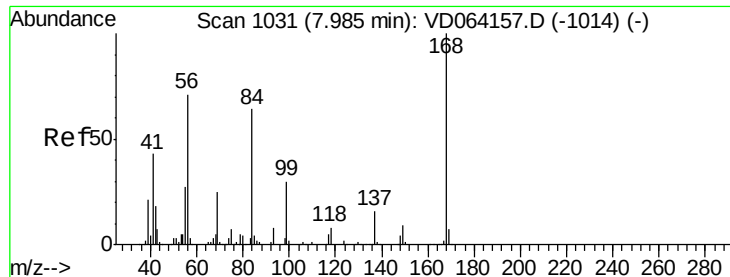
MMDadoda
11/20/2019 9:56:39 AM



#30
Chloroform
Concen: 53.003 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.0





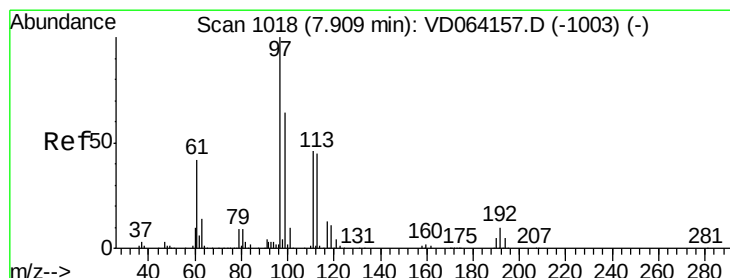
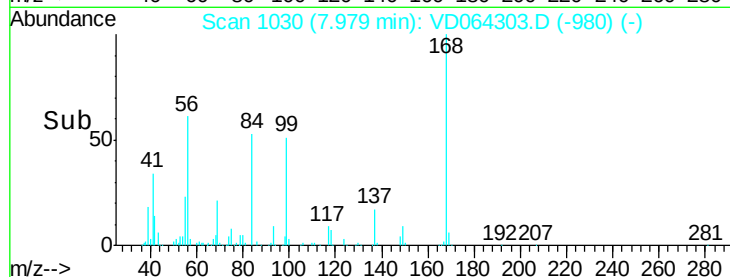
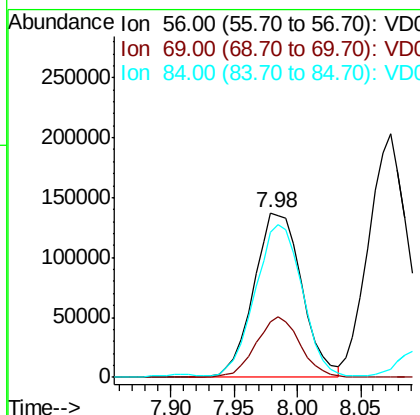
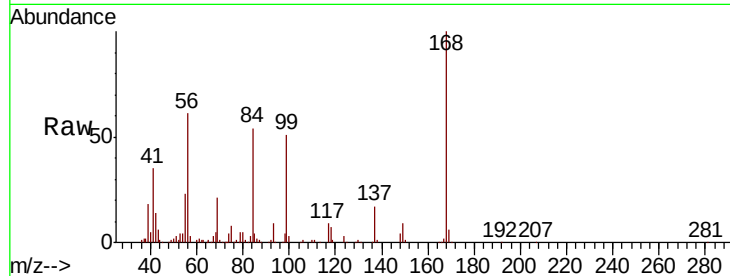
#31
Cyclohexane
Concen: 43.285 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	28.2	42.4
84	86.3	71.8	107.6

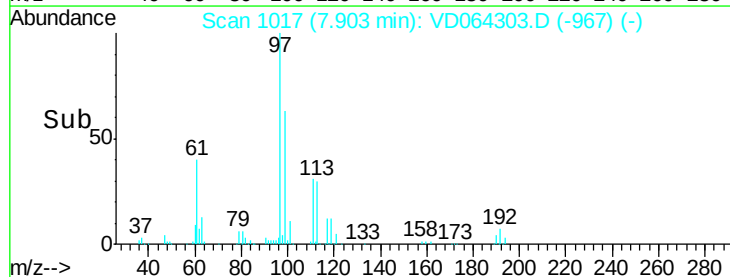
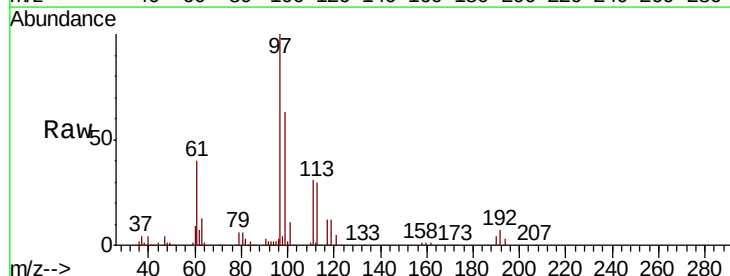
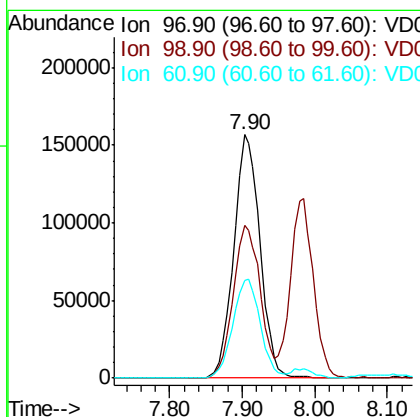
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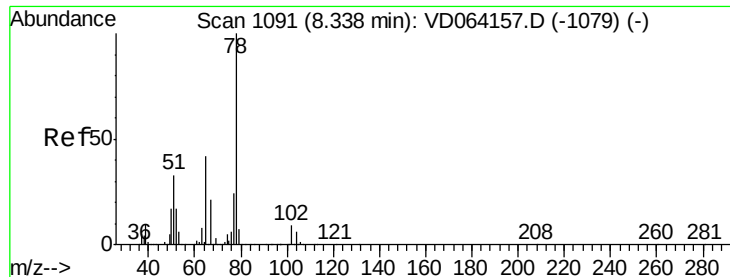
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11/20/2019 9:56:39 AM



#32
1,1,1-Trichloroethane
Concen: 48.303 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	42.3	34.2	51.2





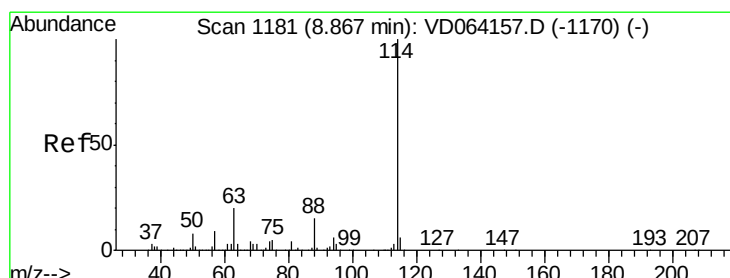
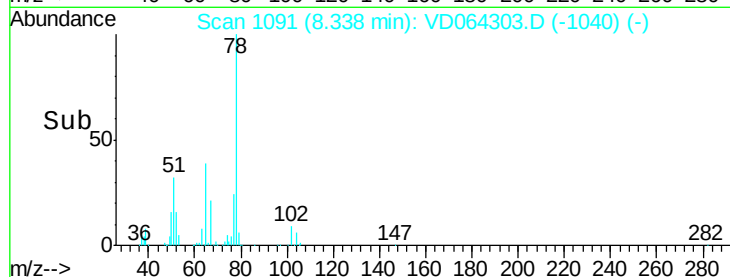
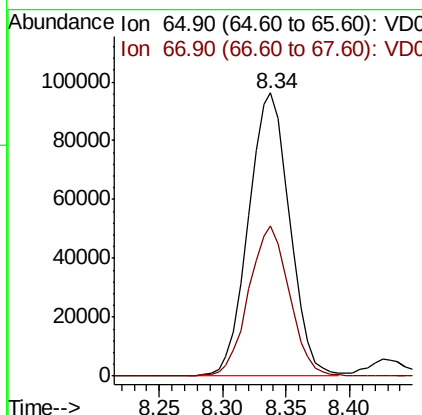
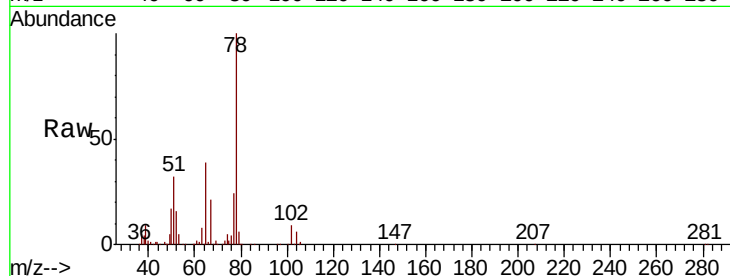
#33
 1,2-Dichloroethane-d4
 Concen: 50.934 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.4

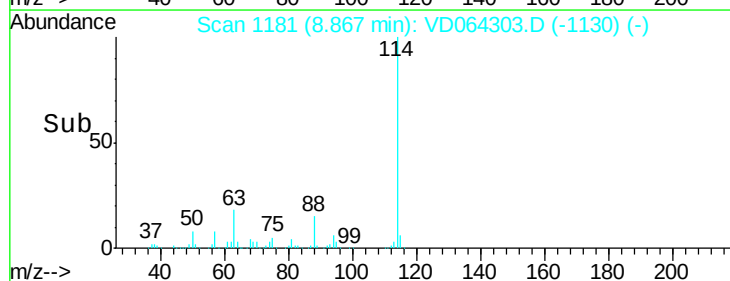
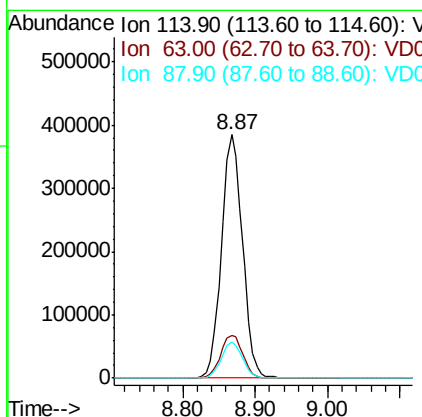
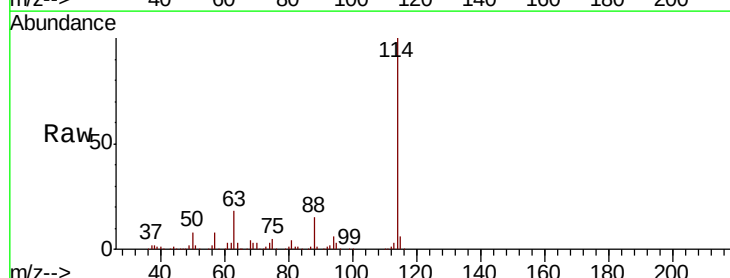
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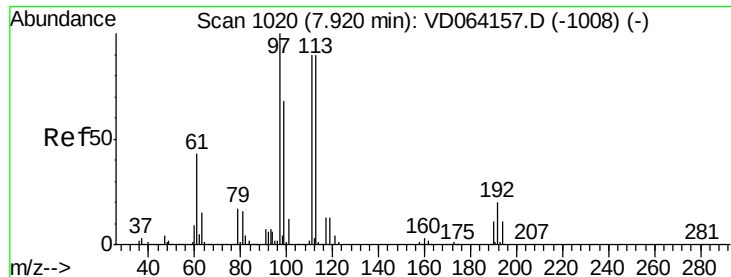
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	40.0
88	14.8	0.0	30.2





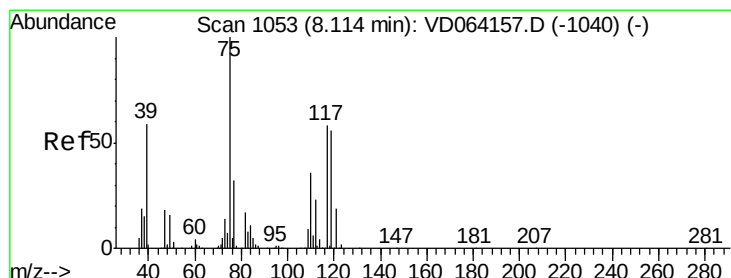
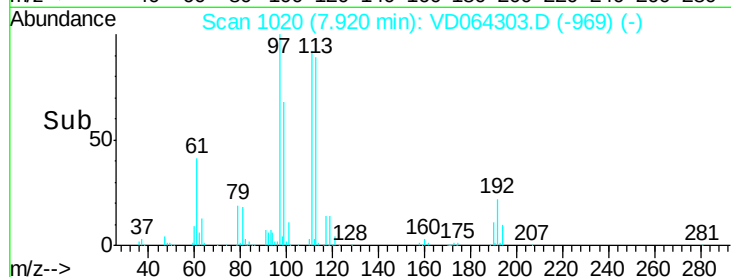
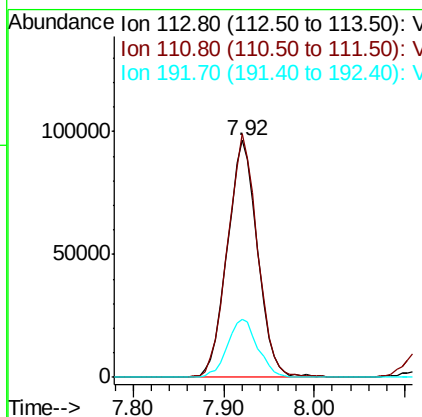
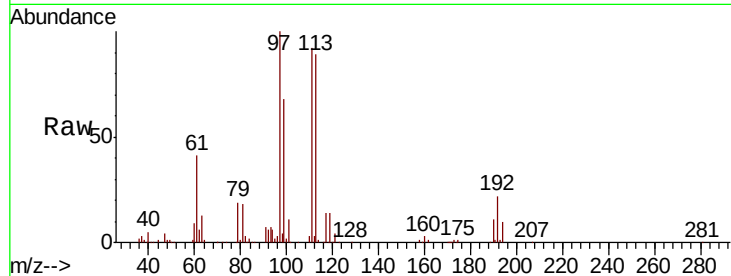
#35
 Dibromofluoromethane
 Concen: 50.247 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	24.5	18.8	28.2

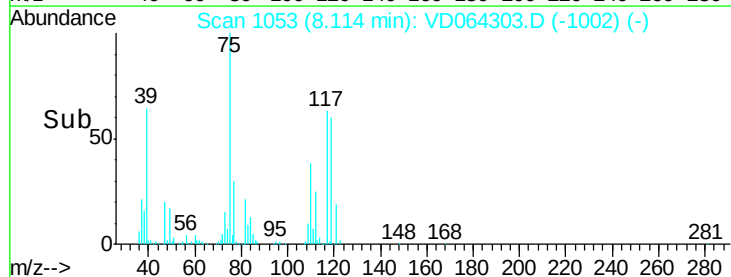
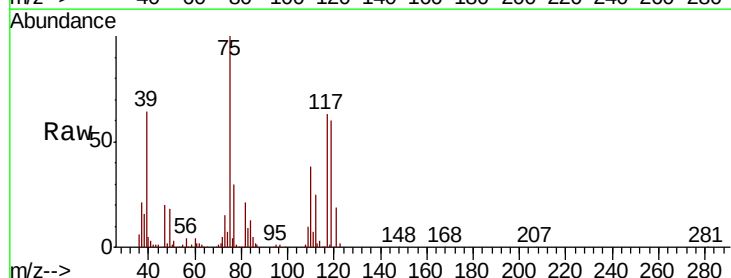
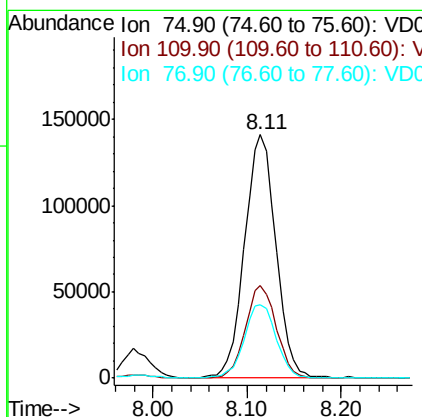
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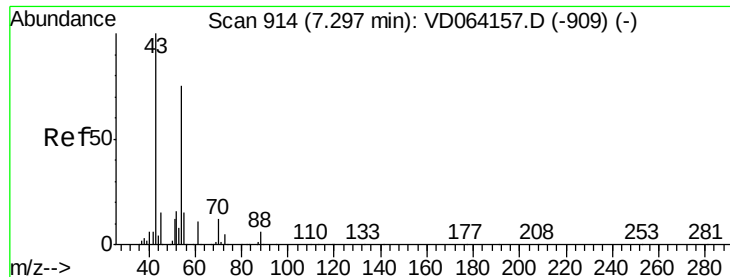
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#36
 1,1-Dichloropropene
 Concen: 45.290 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.3	54.9
77	31.1	25.0	37.6





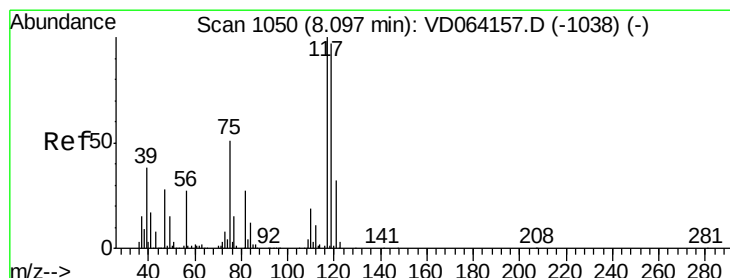
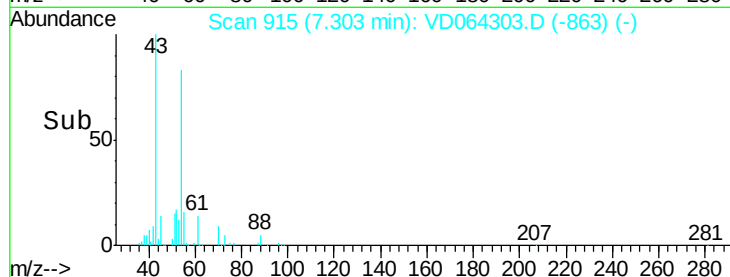
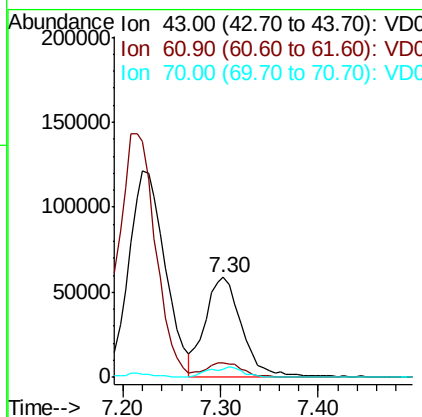
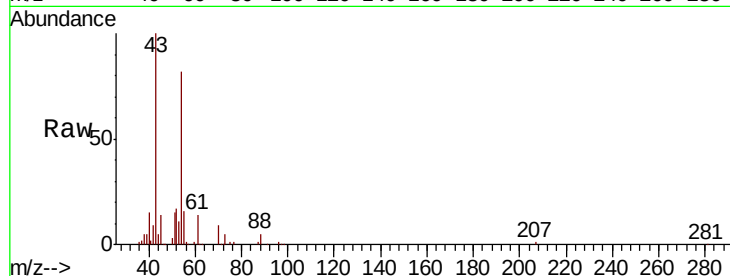
#37
Ethyl Acetate
Concen: 49.554 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	149607
Ion Ratio	Lower	Upper	
43	100		
61	14.3	10.2	15.2
70	10.2	8.5	12.7

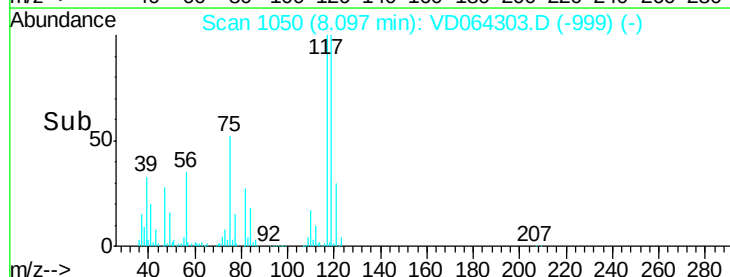
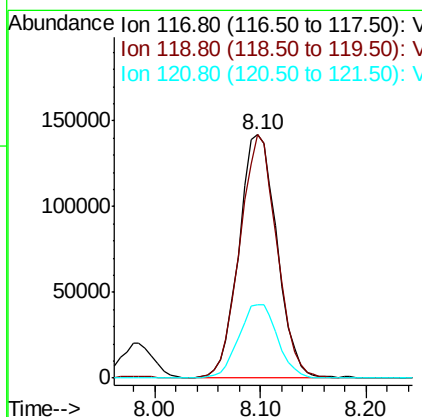
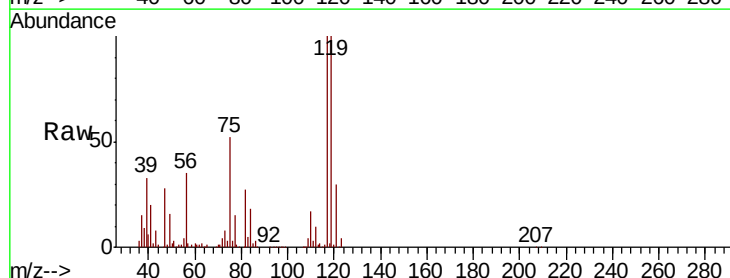
Manual Integrations
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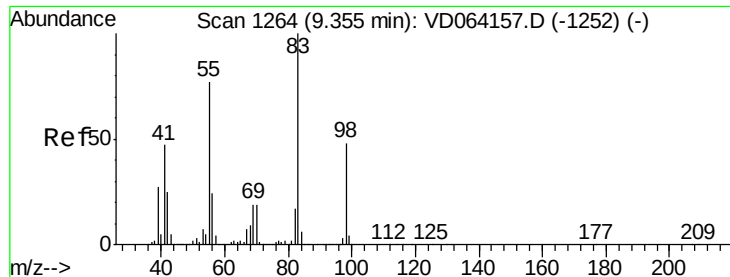
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#38
Carbon Tetrachloride
Concen: 46.108 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	117	Resp	353318
Ion Ratio	Lower	Upper	
117	100		
119	100.1	77.2	115.8
121	30.2	25.5	38.3





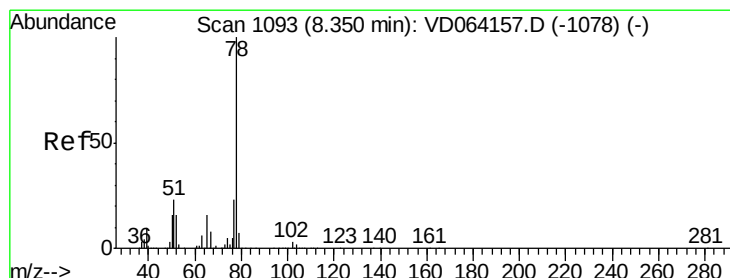
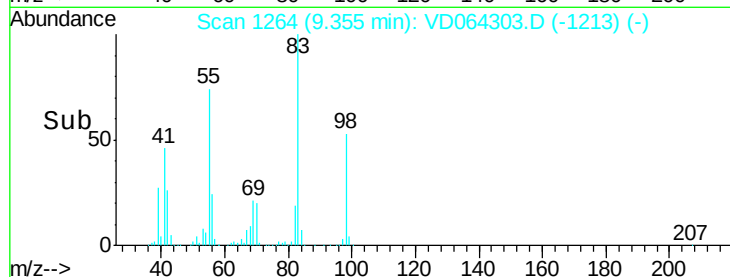
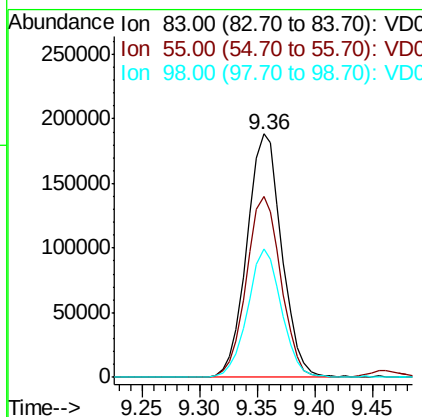
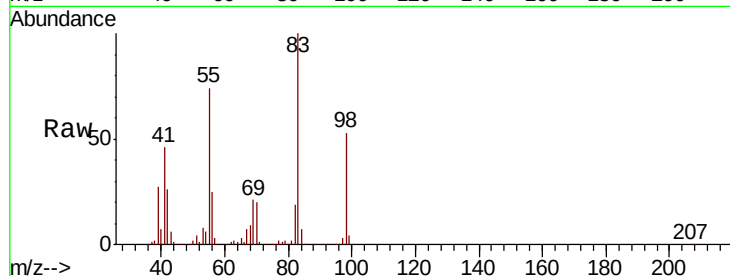
#39
Methylvlcyclohexane
Concen: 43.722 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.7	92.5
98	52.8	38.6	58.0

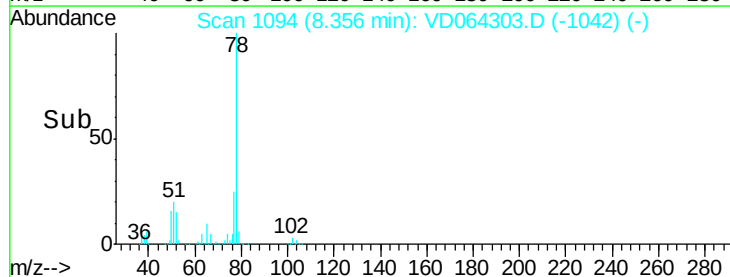
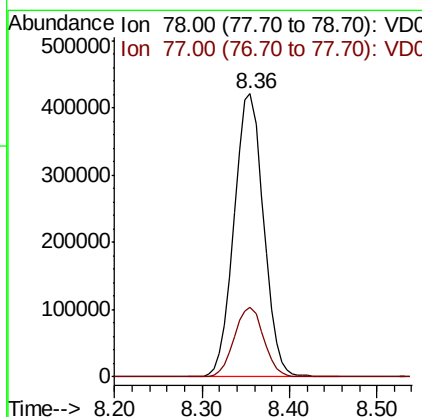
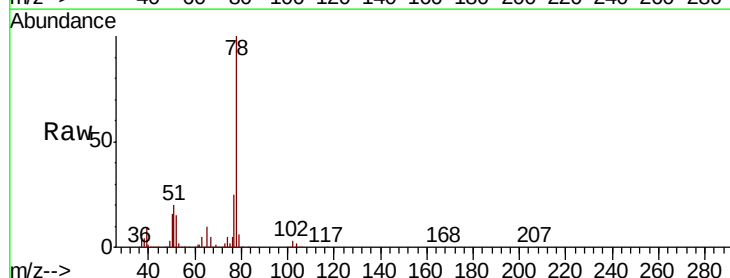
Manual Integrations
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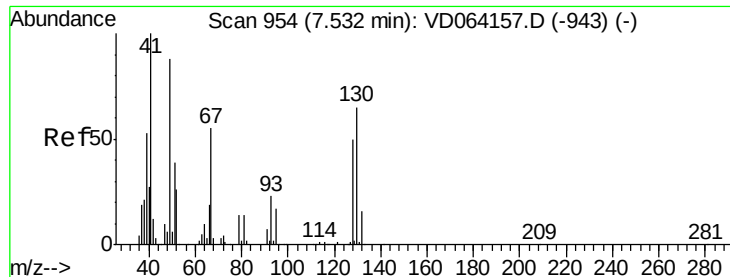
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#40
Benzene
Concen: 49.119 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0





#41

Methacrylonitrile

Concen: 44.657 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

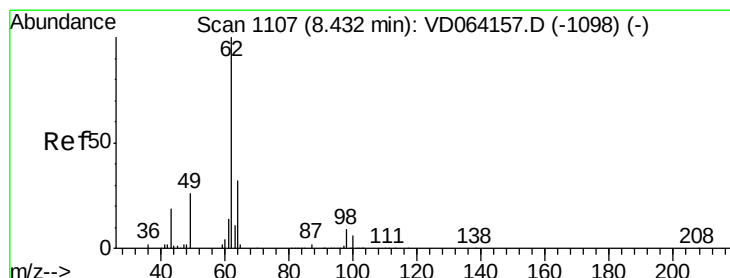
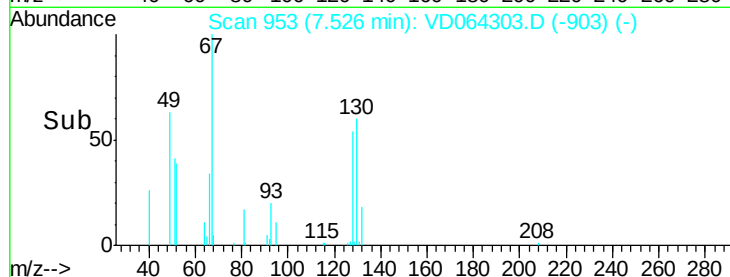
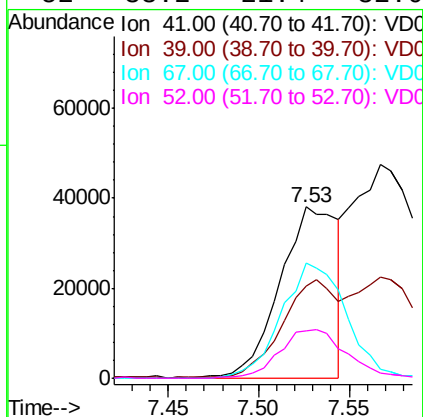
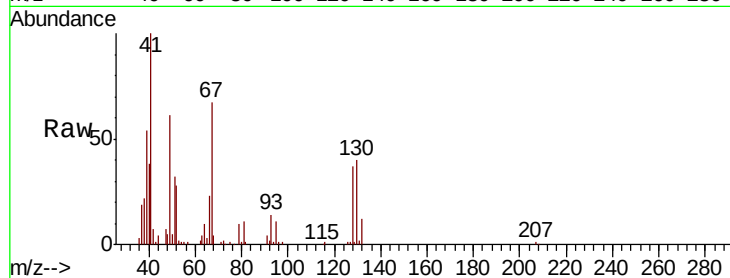
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	49.4	74.2	
67	75.6	49.6	74.4#	
52	33.2	21.4	32.0#	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.301 ug/l

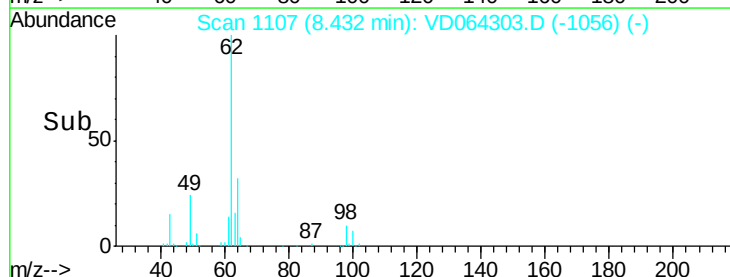
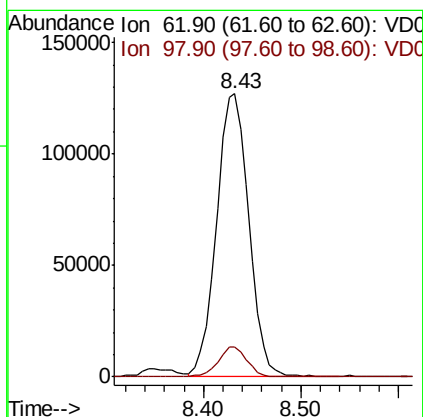
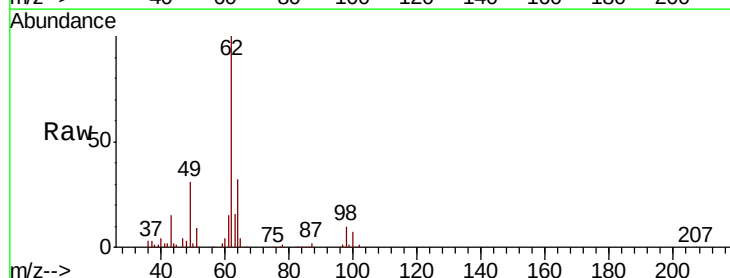
RT: 8.43 min Scan# 1107

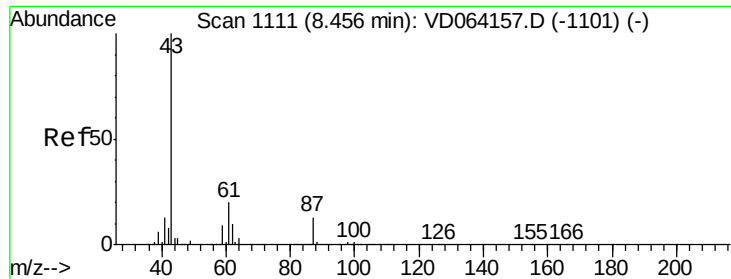
Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.0	





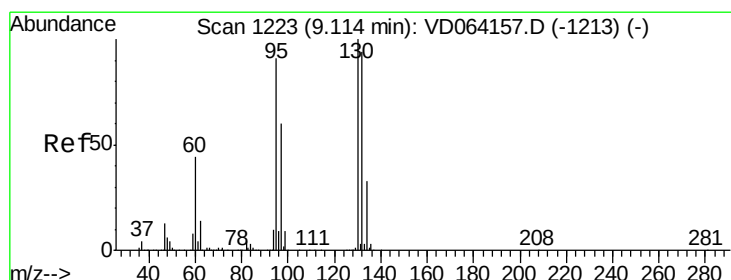
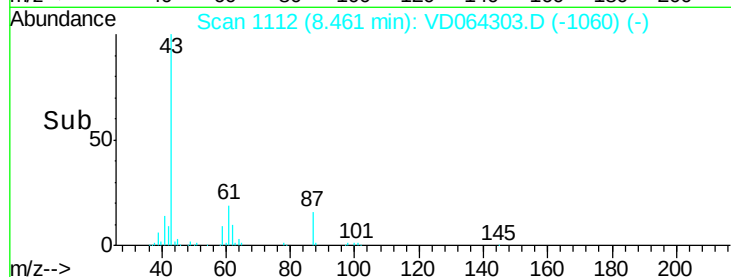
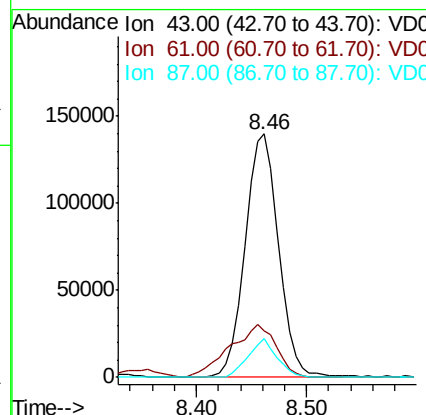
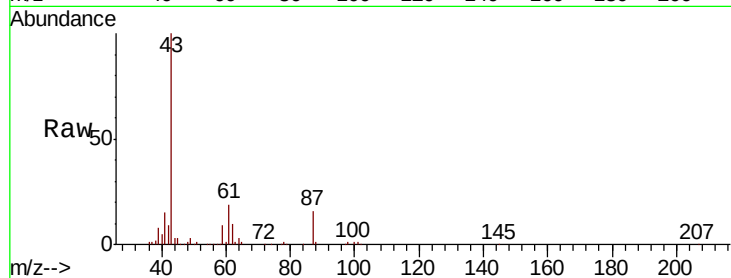
#43
Isopropyl Acetate
Concen: 47.899 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.9	34.3
87	13.8	10.2	15.2

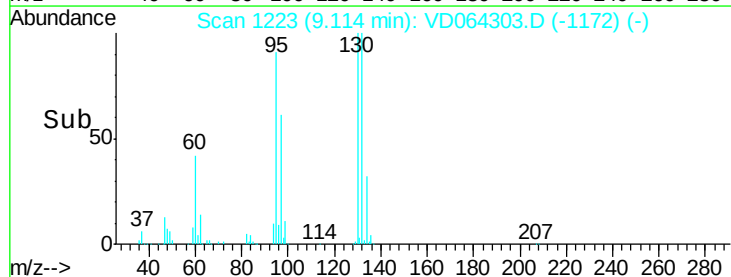
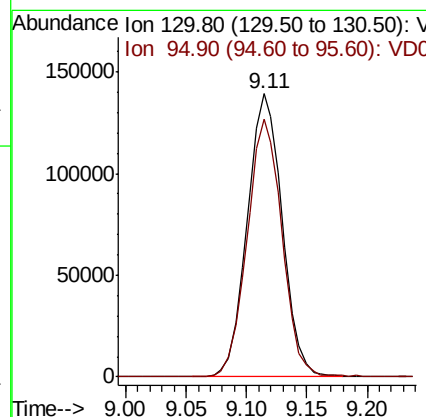
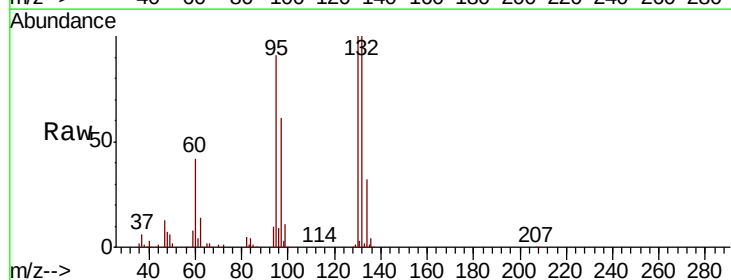
Manual Integrations
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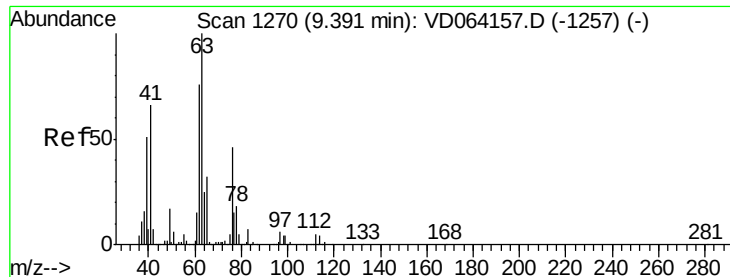
MMDadoda
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#44
Trichloroethene
Concen: 47.866 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	181.6





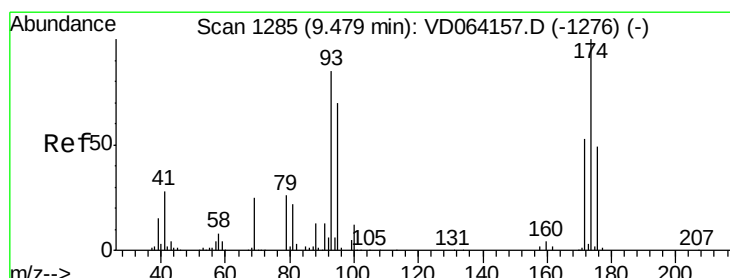
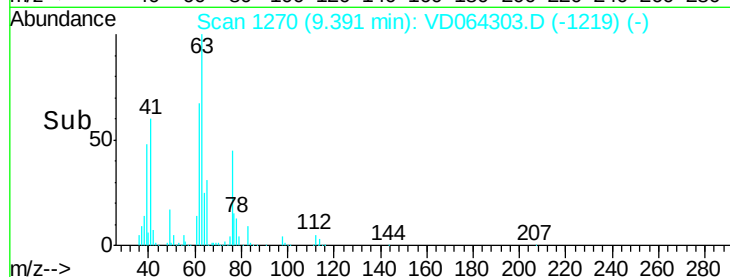
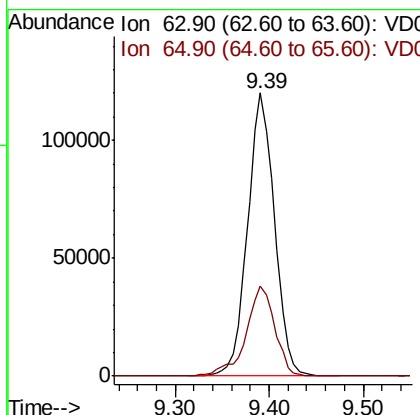
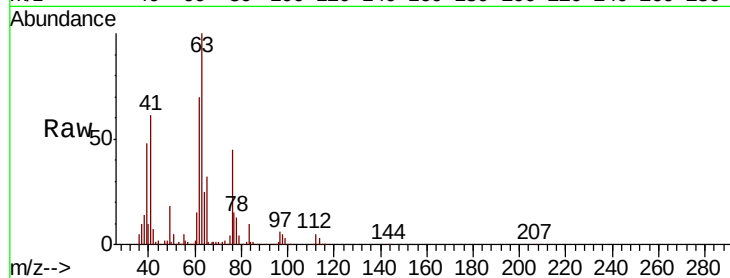
#45
 1,2-Dichloropropane
 Concen: 49.998 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.7	38.5

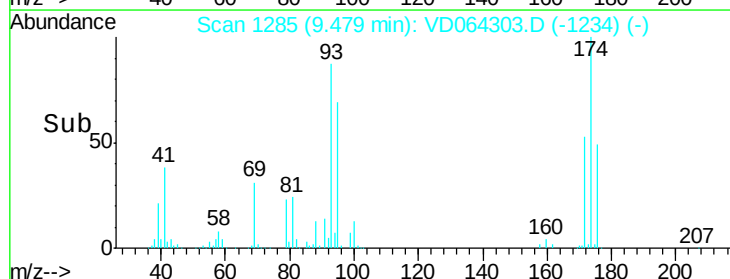
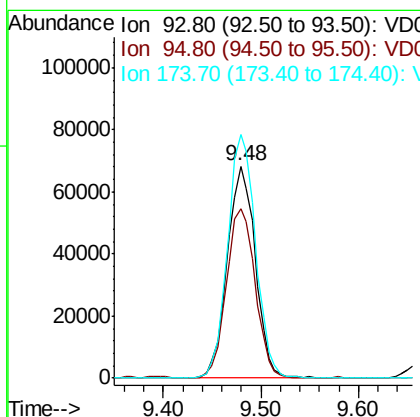
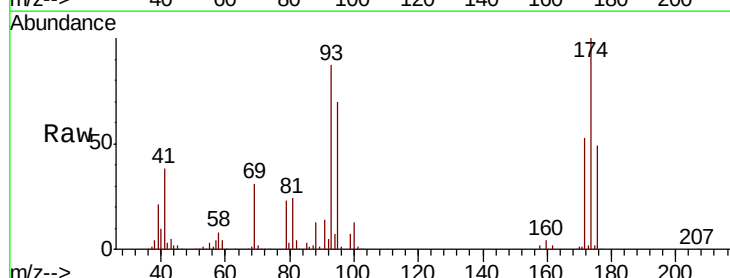
Manual Integrations
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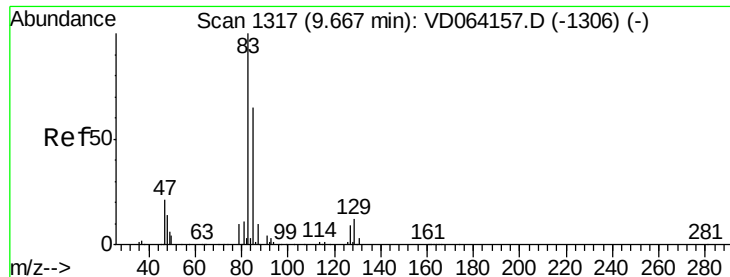
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 11/20/2019 9:56:39 AM



#46
 Dibromomethane
 Concen: 53.560 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.5	98.3
174	114.4	93.9	140.9





#47

Bromodichloromethane

Concen: 50.734 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

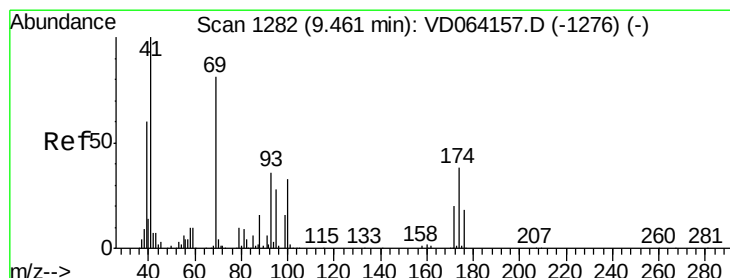
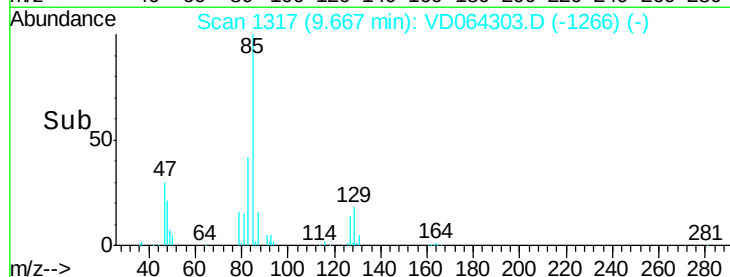
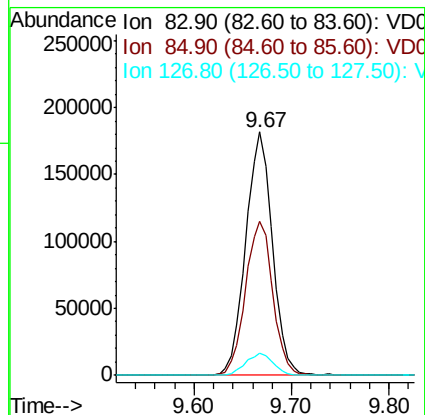
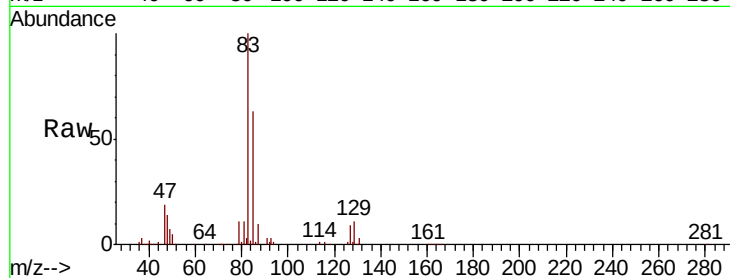
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	348521
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.4
127	8.9	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.412 ug/l

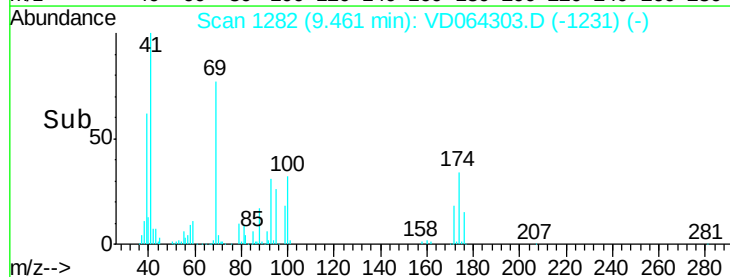
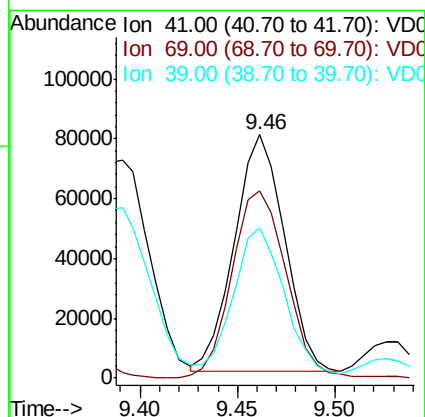
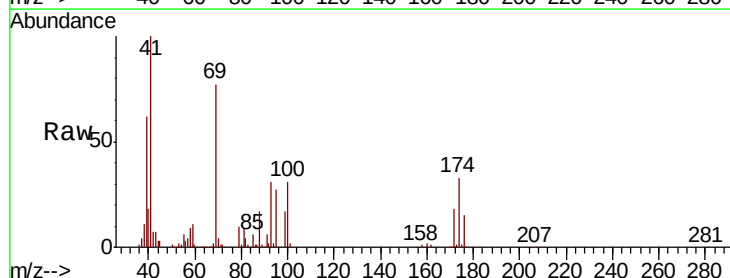
RT: 9.46 min Scan# 1282

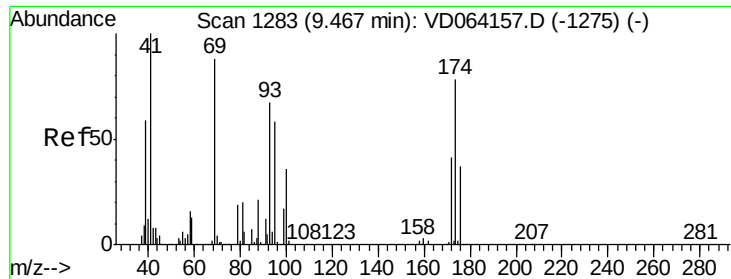
Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	41	Resp:	141171
Ion	Ratio	Lower	Upper
41	100		
69	84.6	64.6	97.0
39	65.9	48.2	72.2





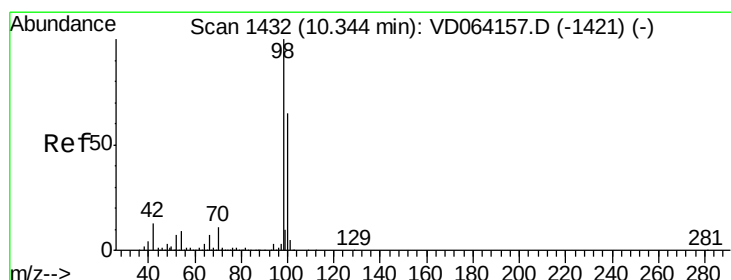
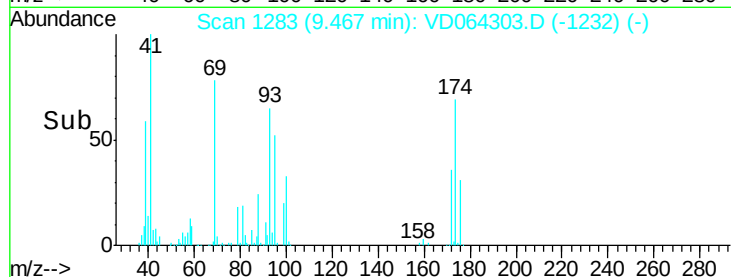
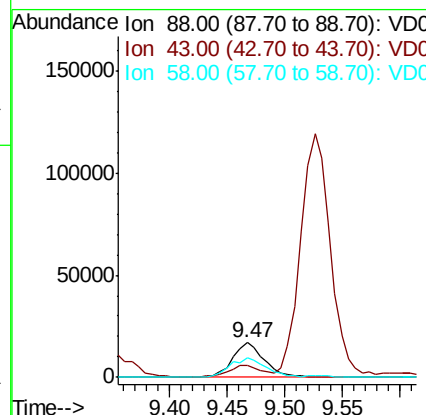
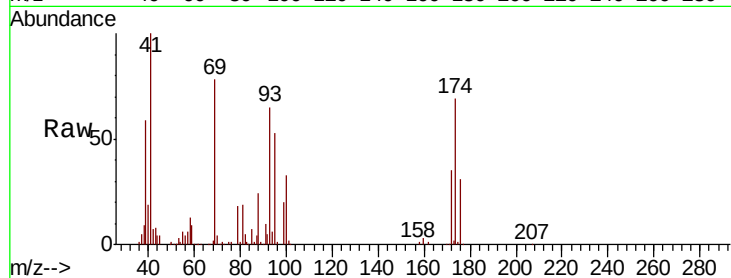
#49
1,4-Dioxane
Concen: 1060.291 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	32476
Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.8	44.8
58	63.7	58.1	87.1

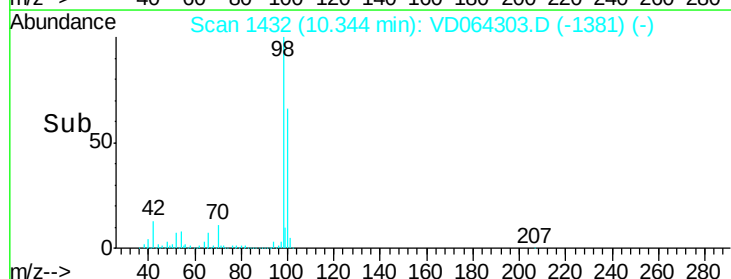
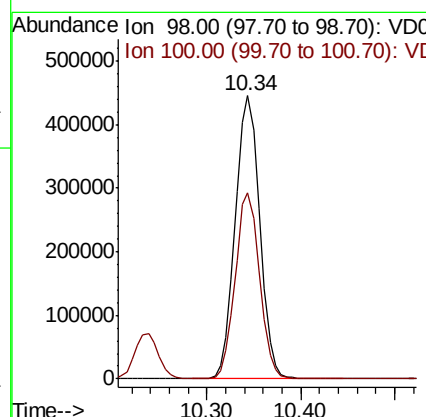
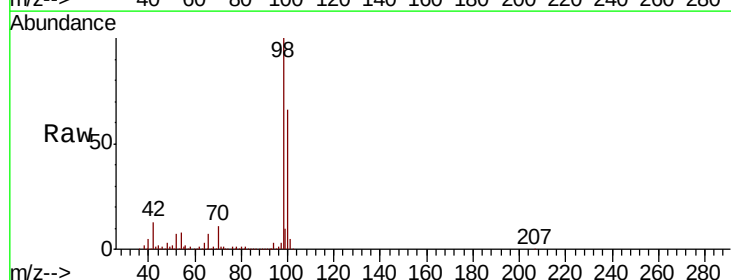
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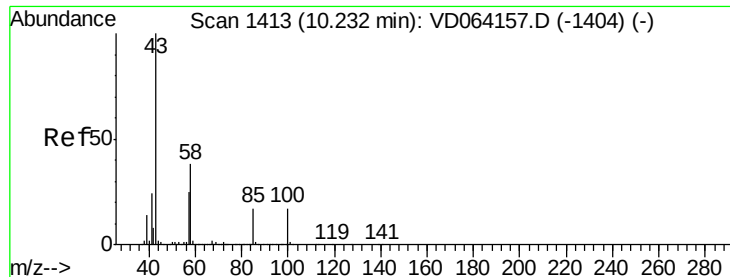
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#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	98	Resp	810650
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 248.118 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 740132

Ion Ratio Lower Upper

43 100

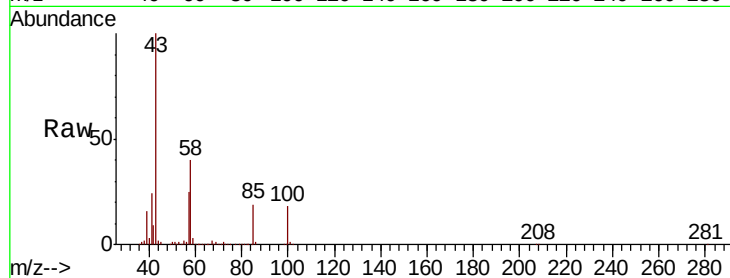
58 38.4 30.2 45.4

Manual Integrations

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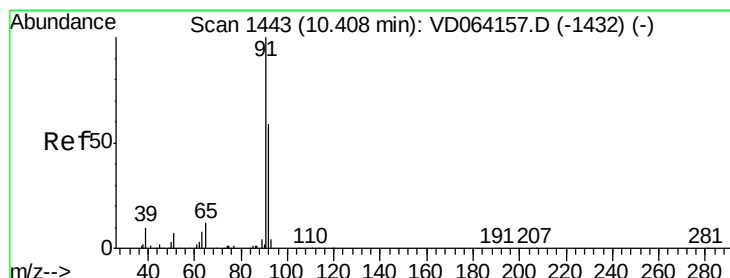
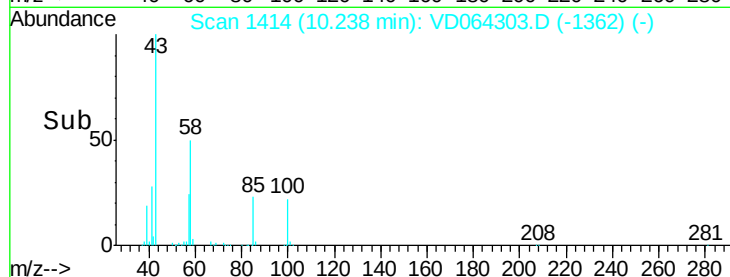
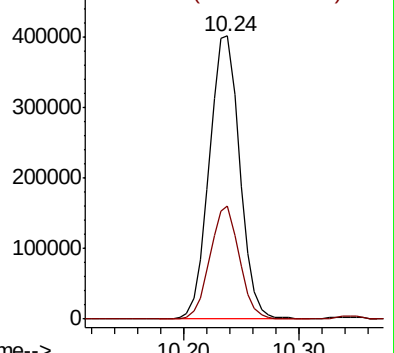
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 47.922 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064303.D

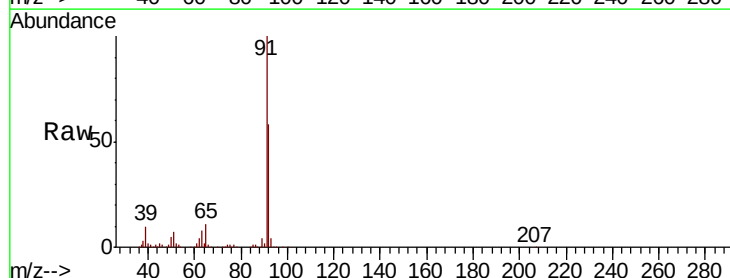
Acq: 19 Nov 2019 21:38

Tgt Ion: 92 Resp: 616751

Ion Ratio Lower Upper

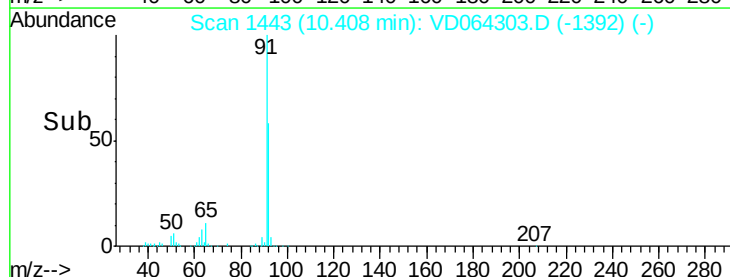
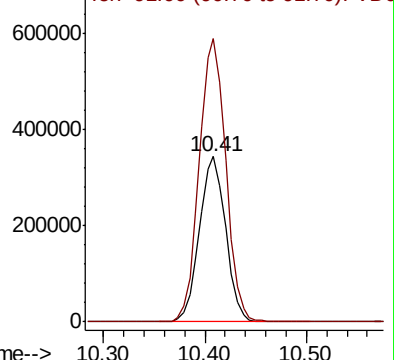
92 100

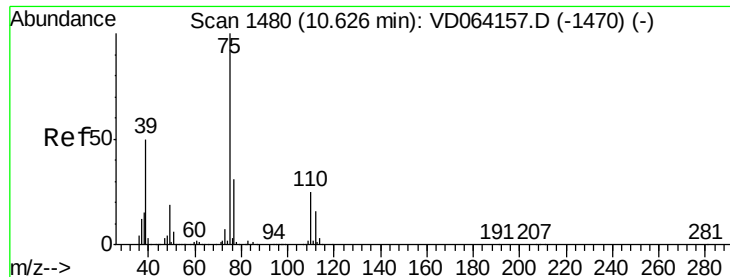
91 173.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 48.400 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 333097

Ion Ratio Lower Upper

75 100

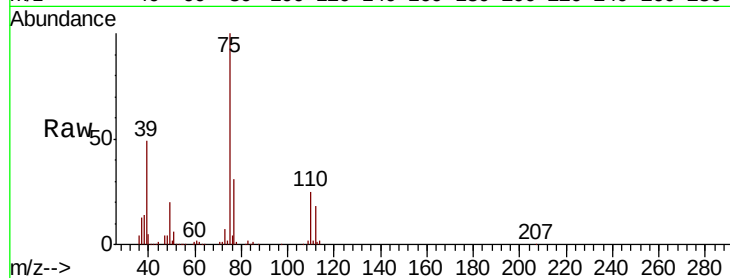
77 31.0 24.7 37.1

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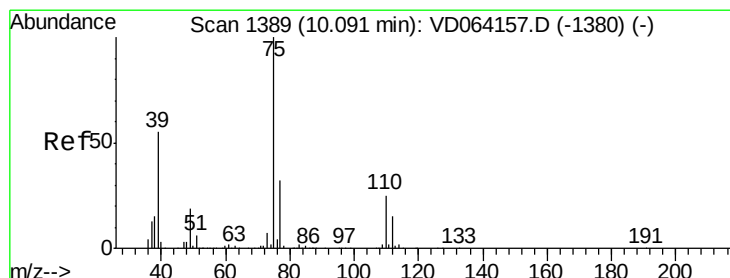
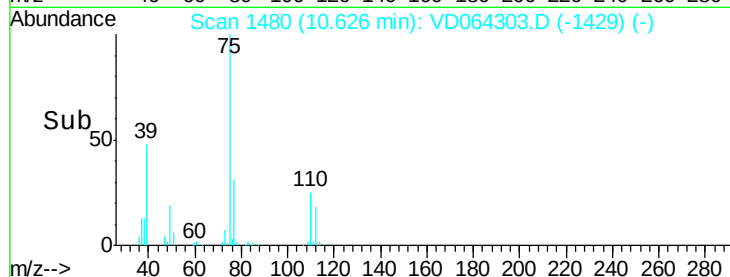
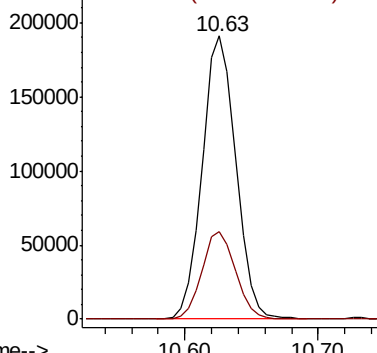
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 48.511 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

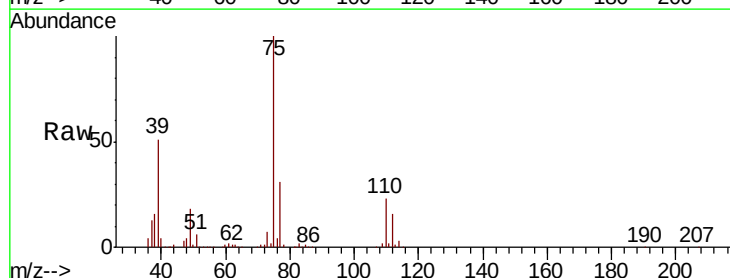
Tgt Ion: 75 Resp: 389592

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

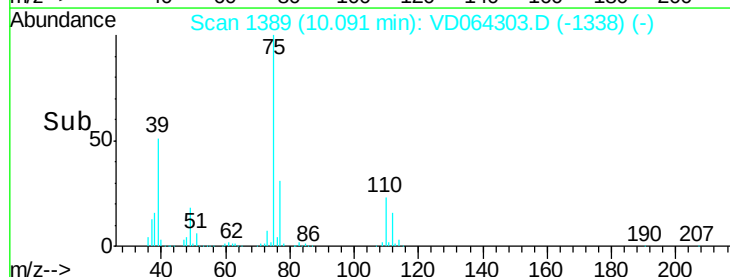
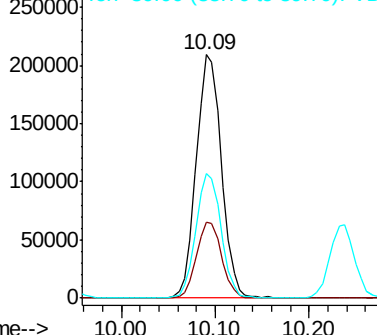
39 51.1 44.2 66.2

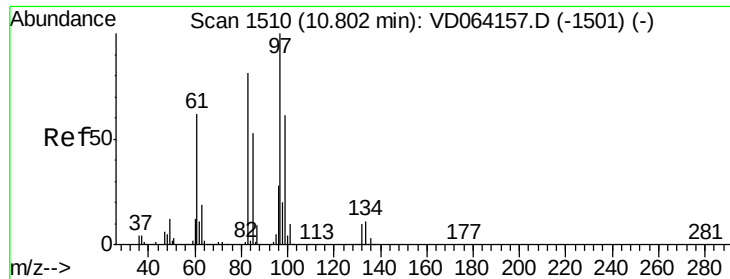


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





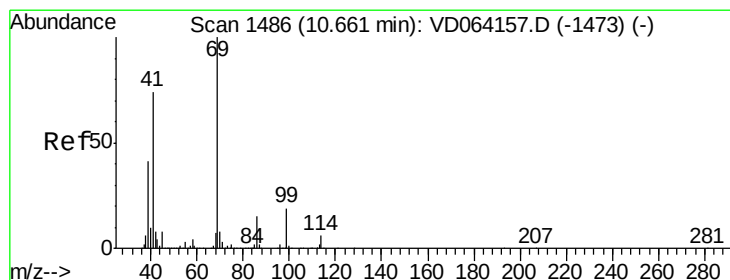
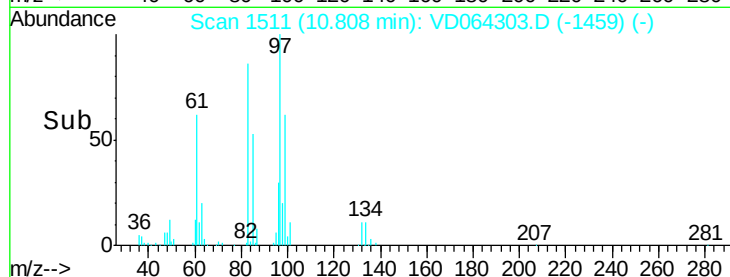
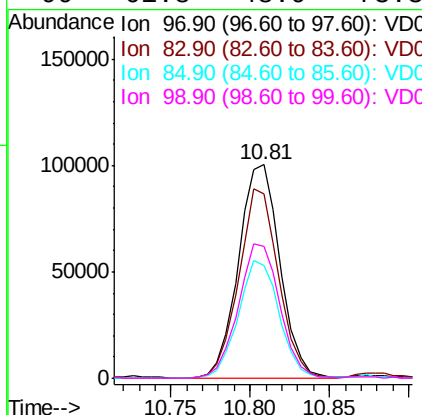
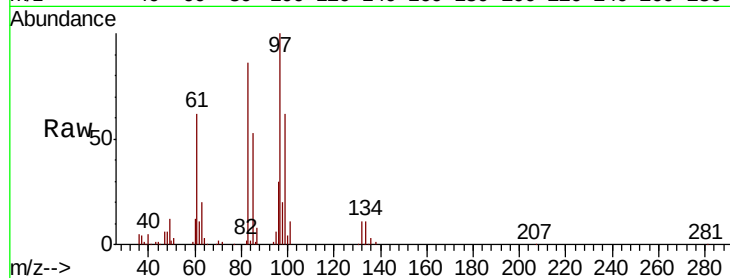
#55
 1,1,2-Trichloroethane
 Concen: 52.837 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		182800		
83	85.9	65.1	97.7		
85	52.6	42.0	63.0		
99	61.8	48.9	73.3		

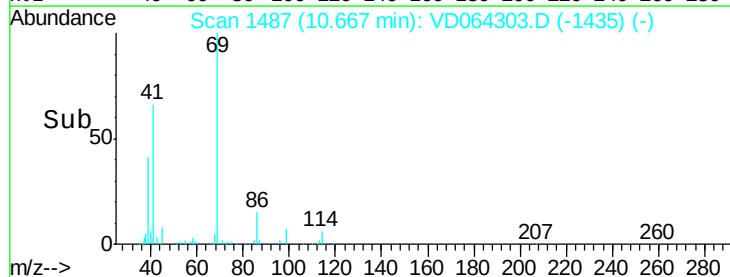
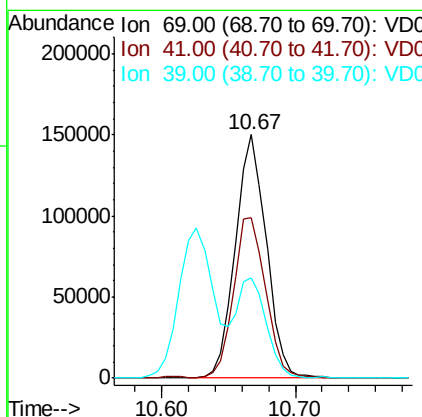
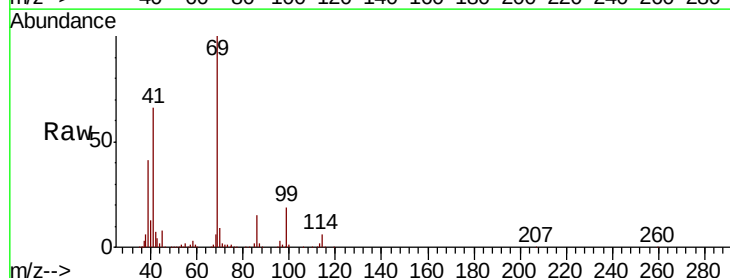
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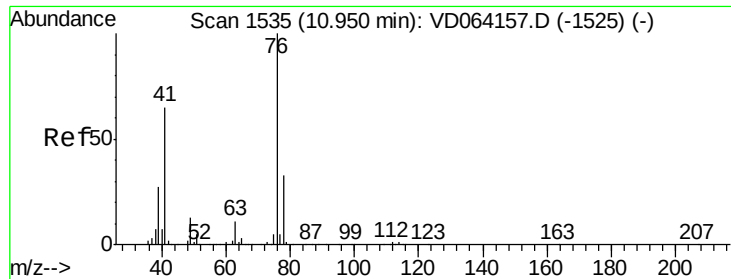
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#56
 Ethyl methacrylate
 Concen: 49.936 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		241672		
41	68.0	57.9	86.9		
39	38.5	29.0	43.4		





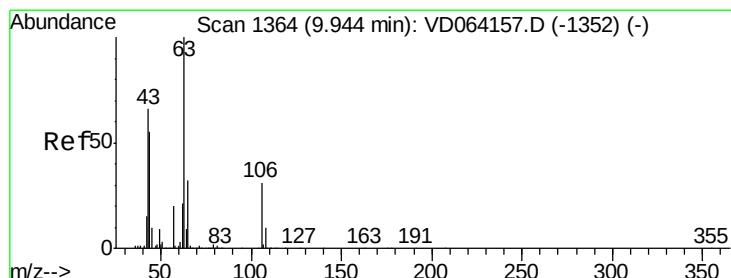
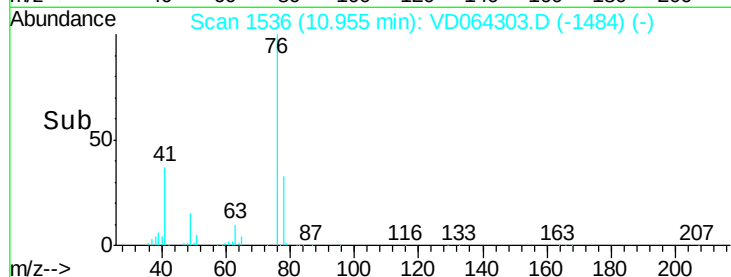
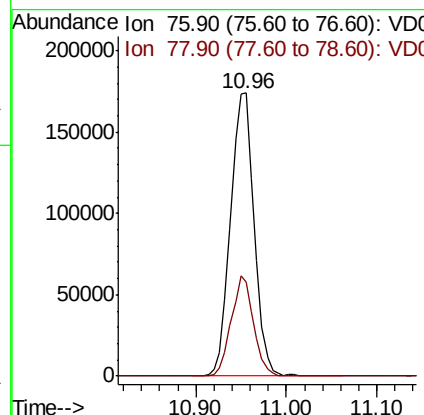
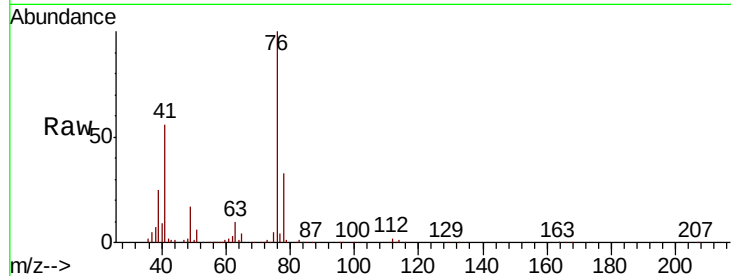
#57
 1,3-Dichloropropane
 Concen: 52.336 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.2	39.4

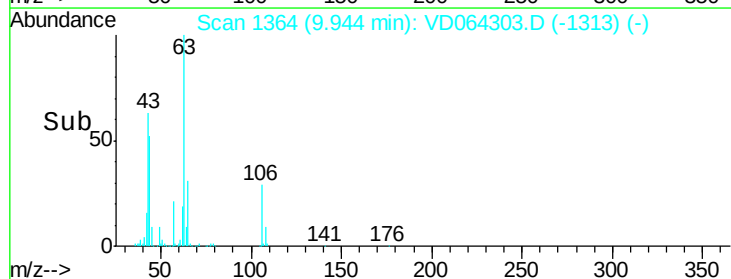
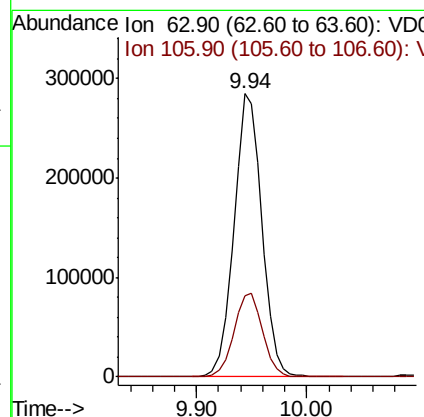
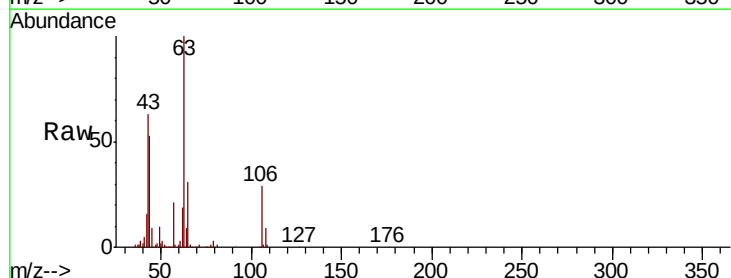
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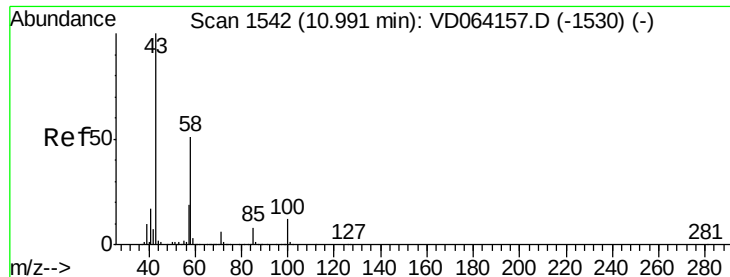
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#58
 2-Chloroethyl Vinyl ether
 Concen: 256.200 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.1	36.1





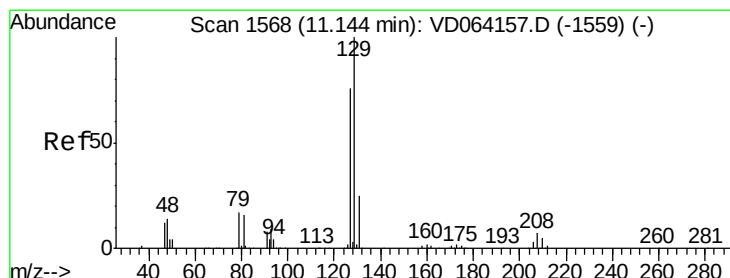
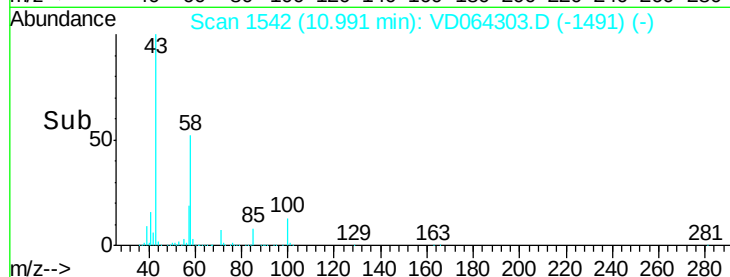
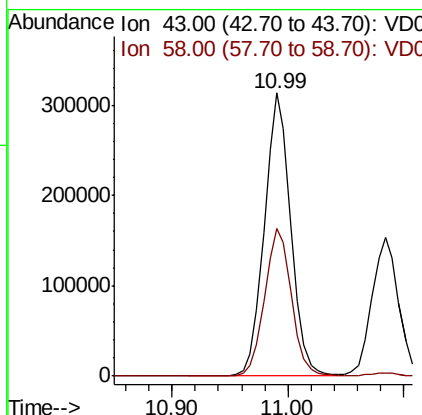
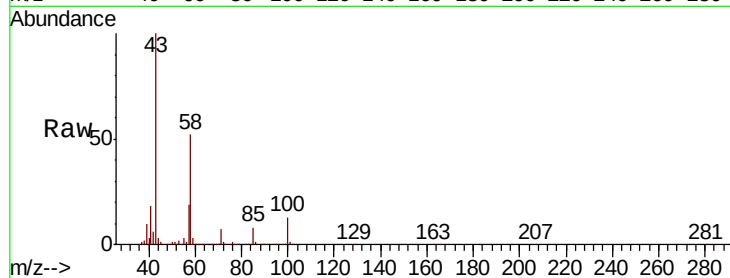
#59
2-Hexanone
Concen: 235.497 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 499779
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.7

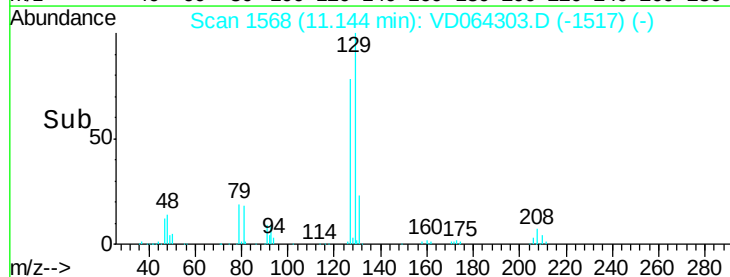
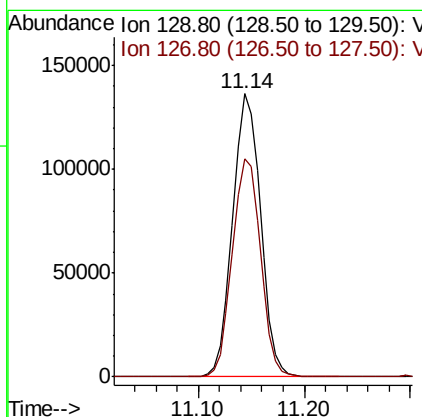
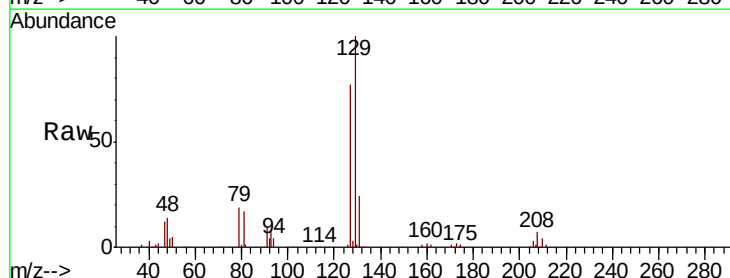
Manual Integrations
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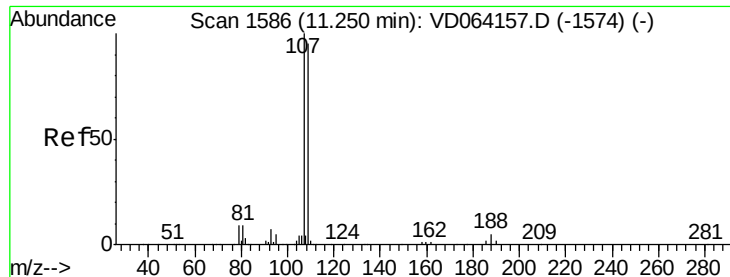
MMDadoda
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#60
Dibromochloromethane
Concen: 51.778 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 129 Resp: 249959
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





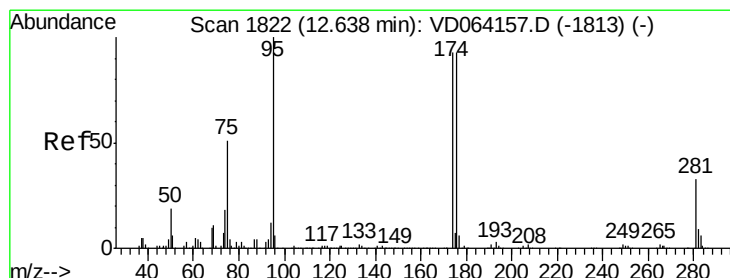
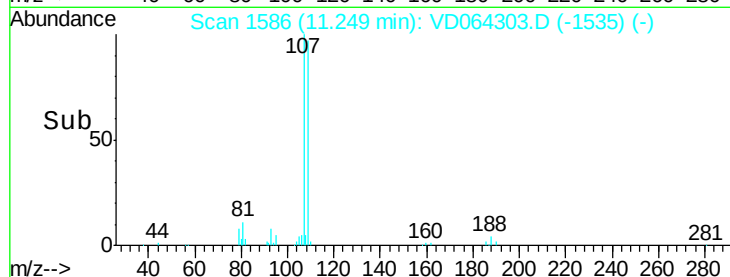
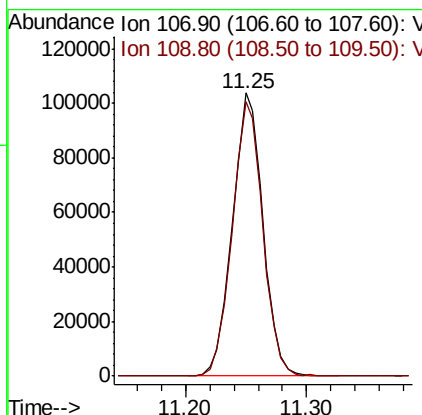
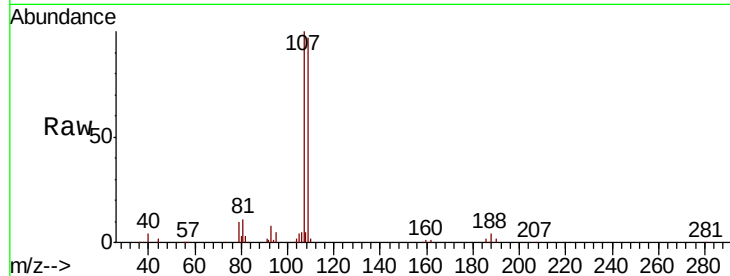
#61
 1,2-Dibromoethane
 Concen: 52.558 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	75.1	112.7

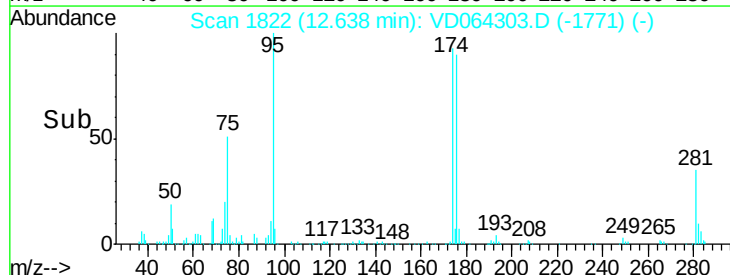
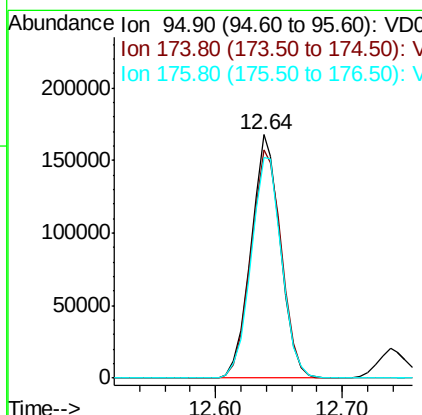
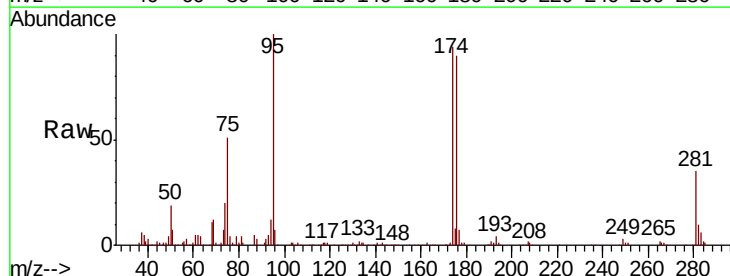
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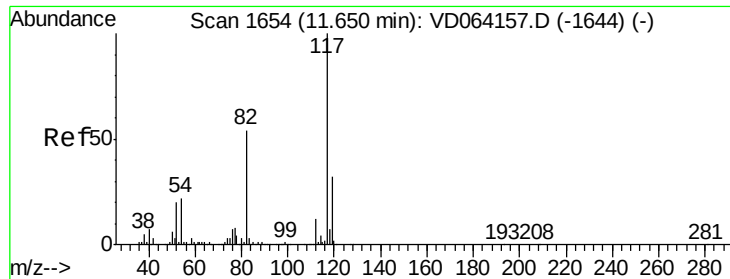
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#62
 4-Bromofluorobenzene
 Concen: 46.426 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.5	0.0	183.6
176	94.3	0.0	180.2





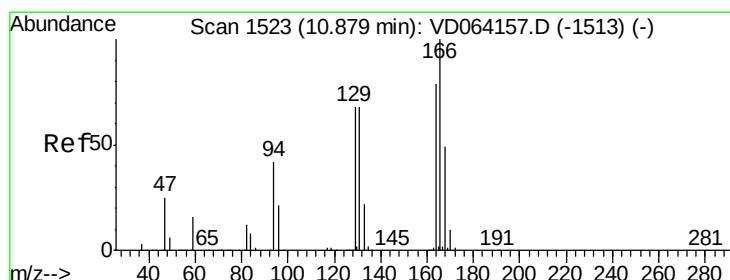
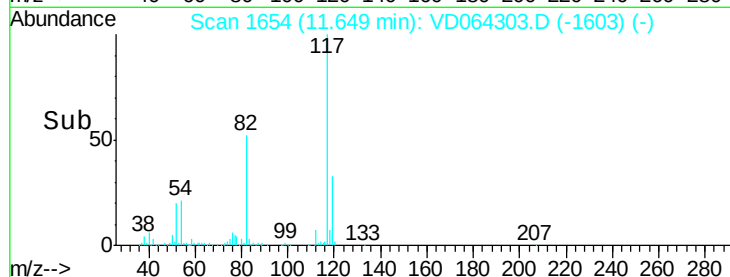
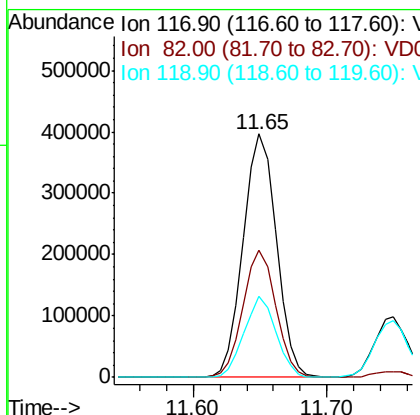
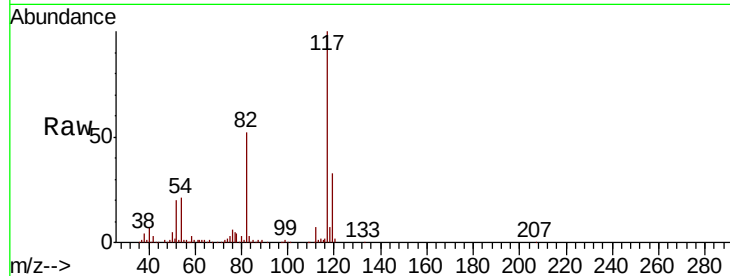
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.8	64.2
119	33.5	25.6	38.4

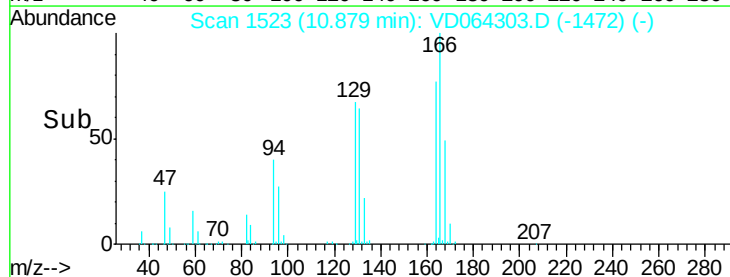
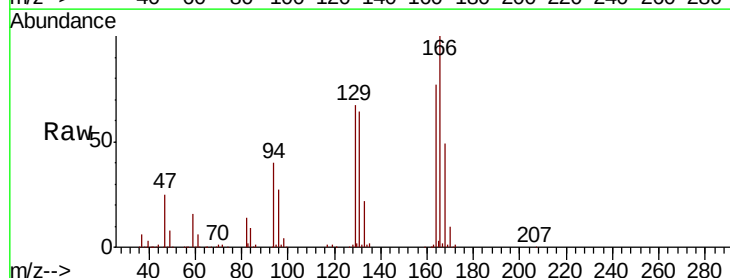
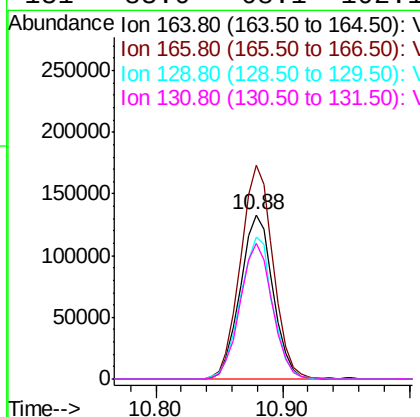
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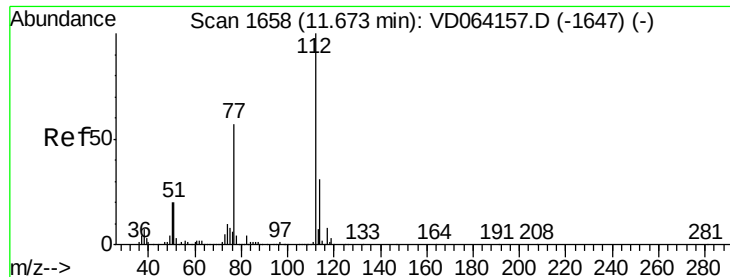
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#64
Tetrachloroethene
Concen: 45.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	100.8	151.2
129	86.7	68.7	103.1
131	83.0	68.1	102.1





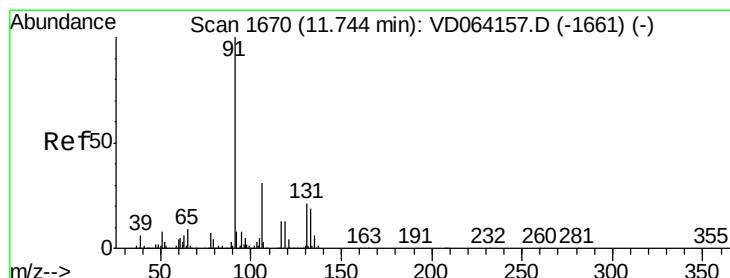
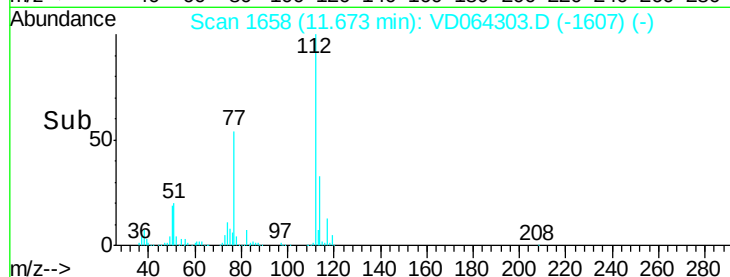
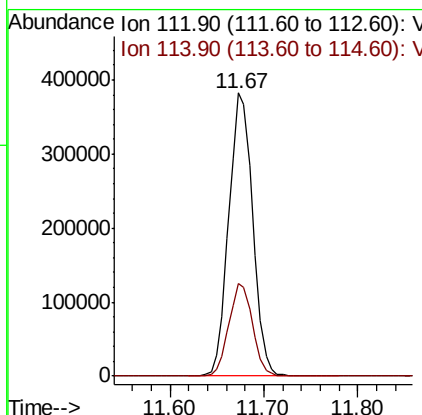
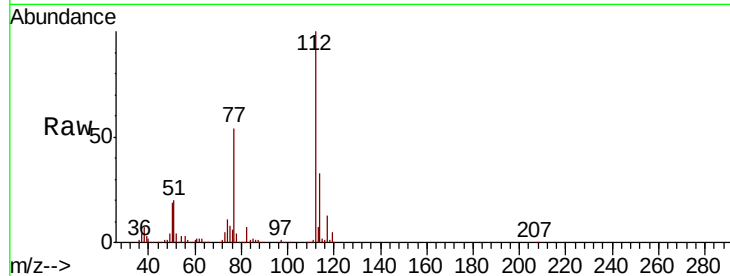
#65
Chlorobenzene
Concen: 48.409 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 675618
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8

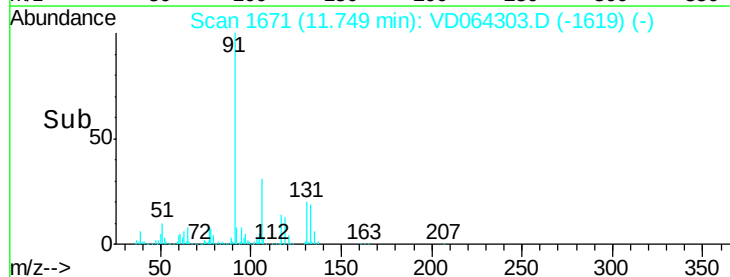
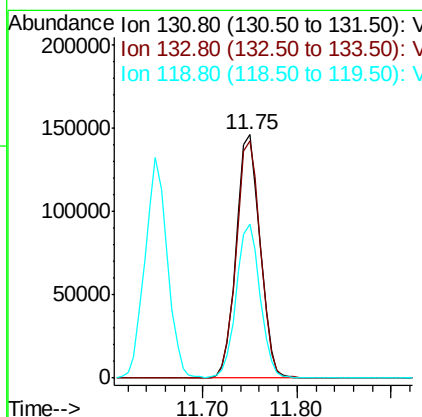
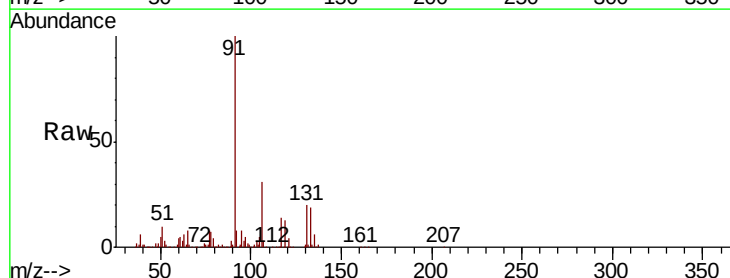
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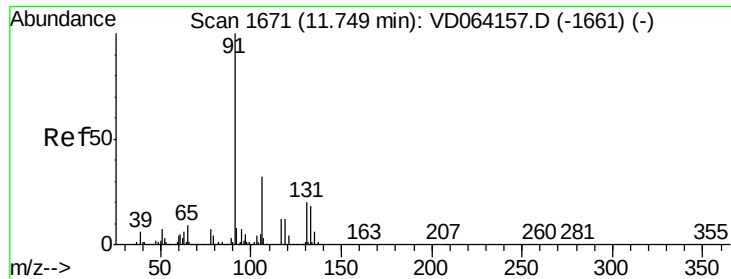
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion:131 Resp: 258062
Ion Ratio Lower Upper
131 100
133 98.4 47.3 141.9
119 62.9 31.1 93.3





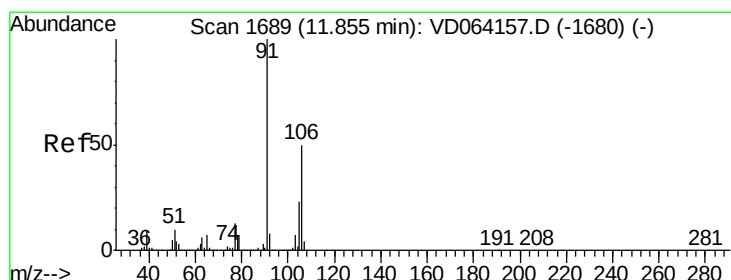
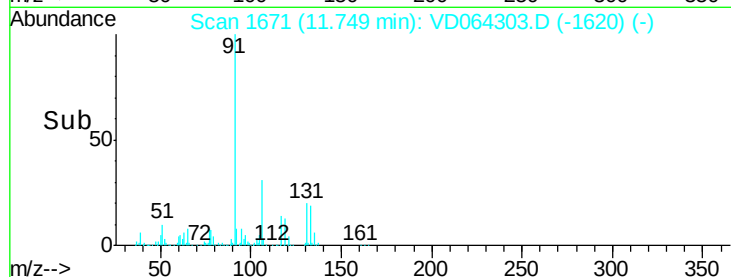
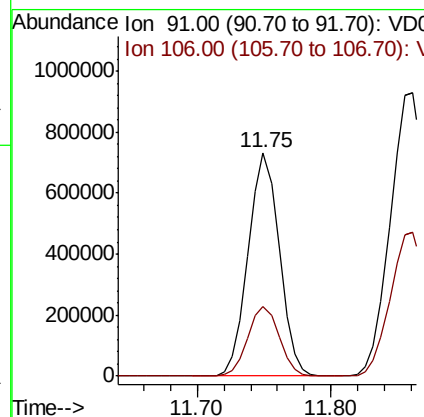
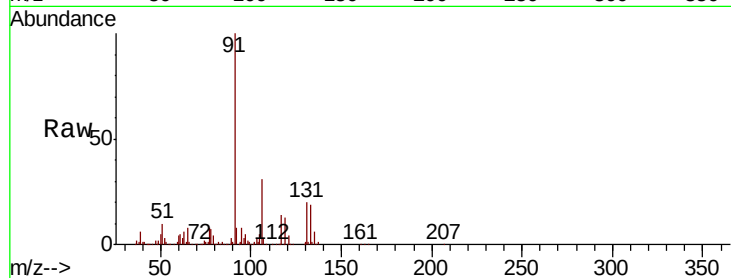
#67
Ethyl Benzene
Concen: 46.873 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1183288
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

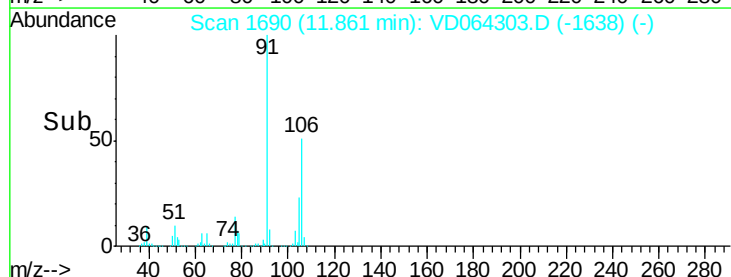
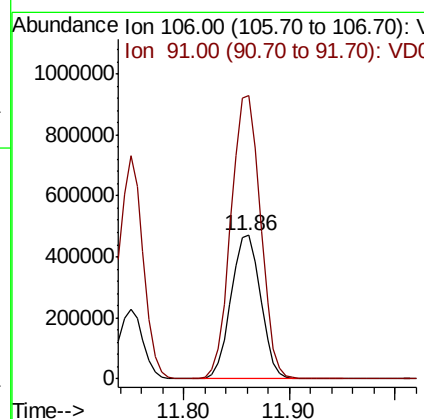
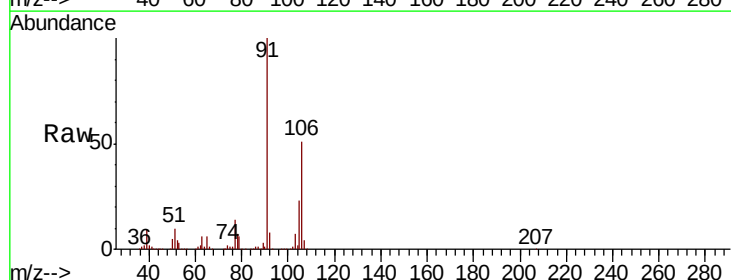
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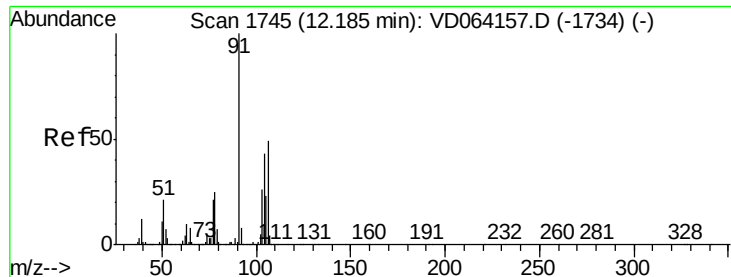
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#68
m/p-Xylenes
Concen: 94.373 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 106 Resp: 913185
Ion Ratio Lower Upper
106 100
91 197.2 160.3 240.5





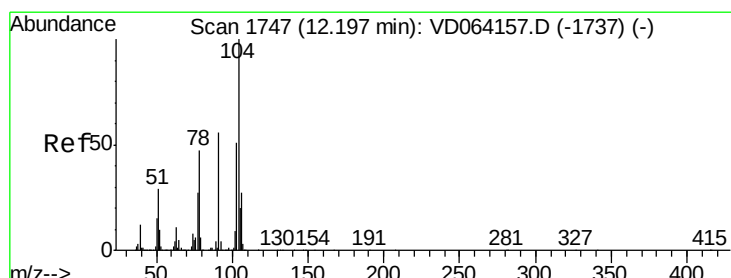
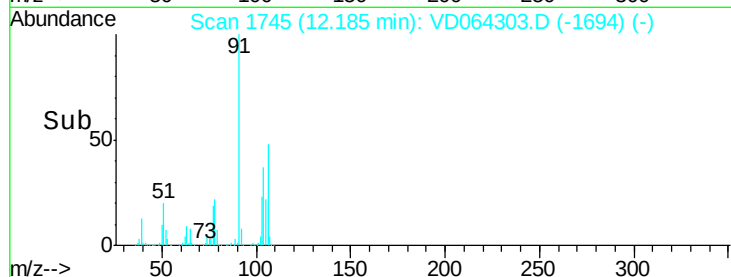
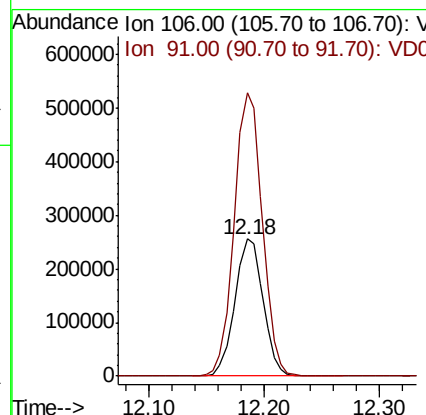
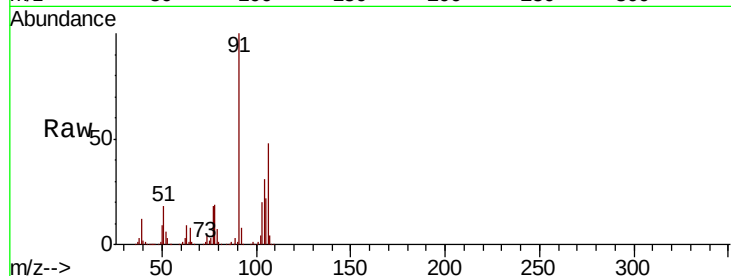
#69
o-Xylene
Concen: 48.193 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.8	105.1	315.3

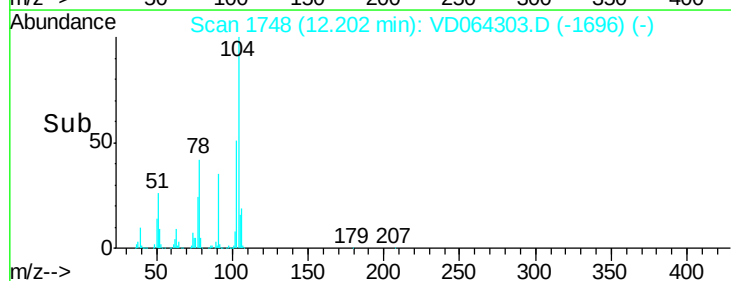
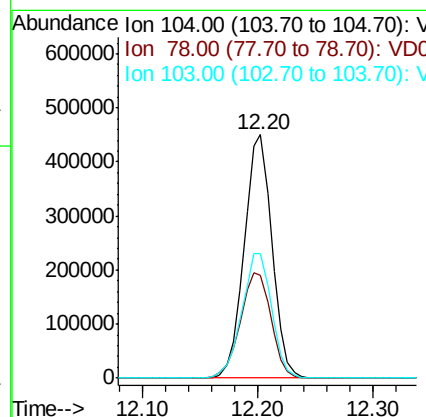
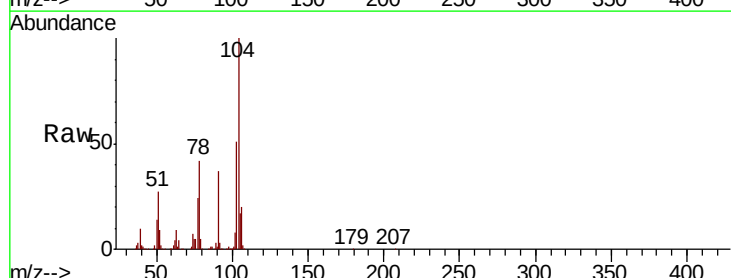
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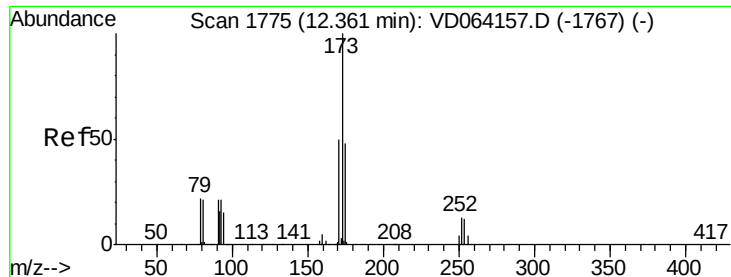
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#70
Styrene
Concen: 47.815 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	39.9	59.9
103	55.3	43.4	65.0





#71

Bromoform

Concen: 51.745 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

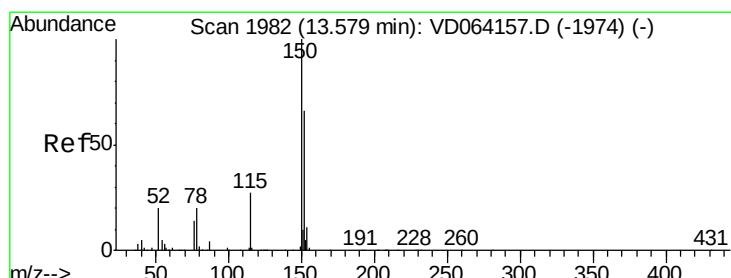
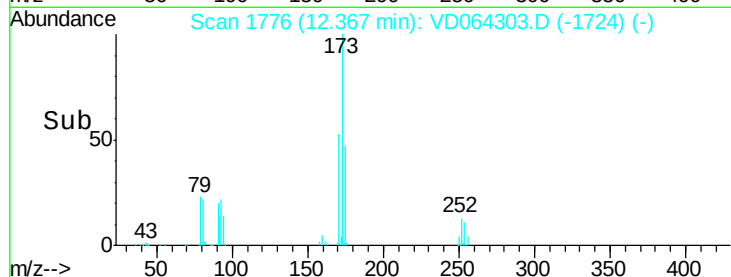
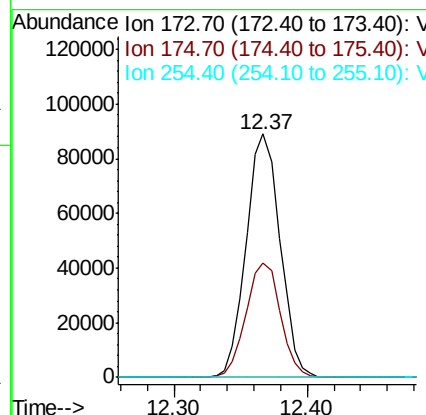
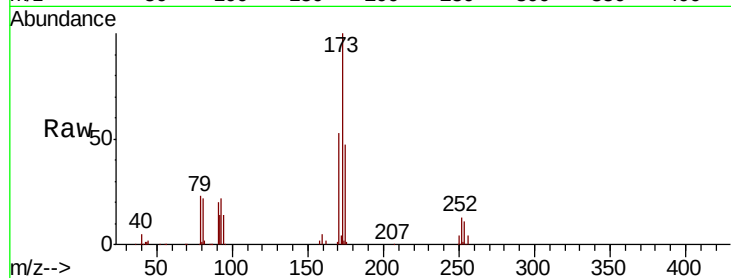
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.3
254	0.1	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

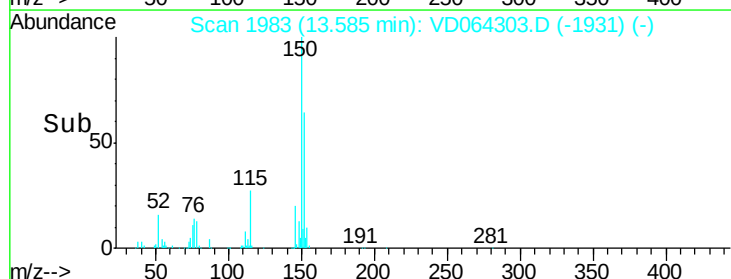
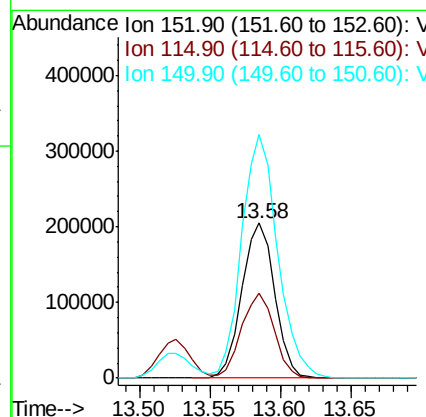
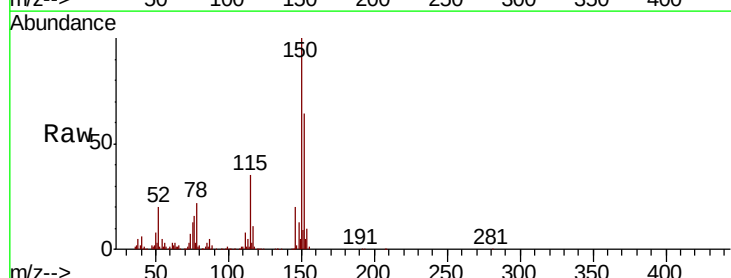
RT: 13.58 min Scan# 1983

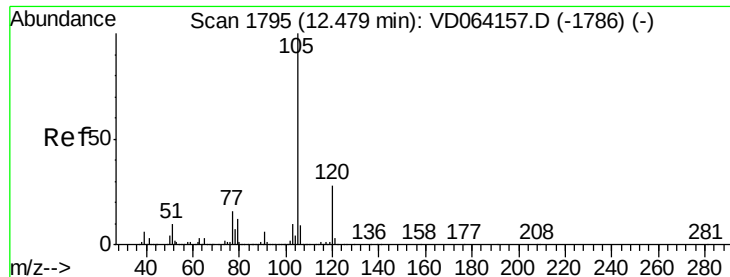
Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.4	82.2
150	172.2	0.0	351.6





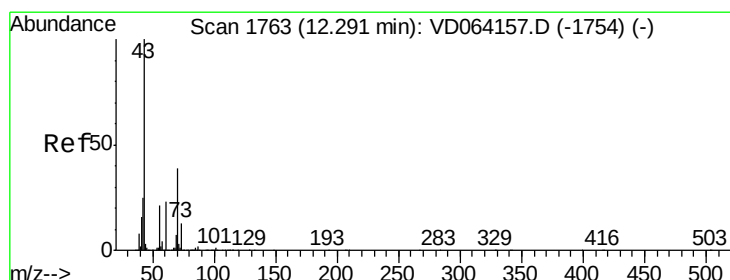
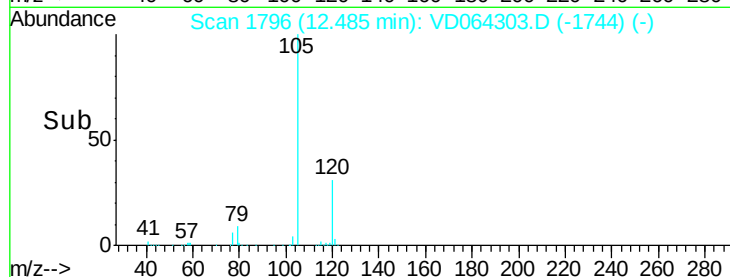
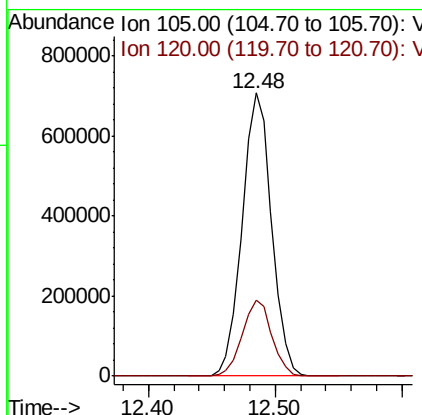
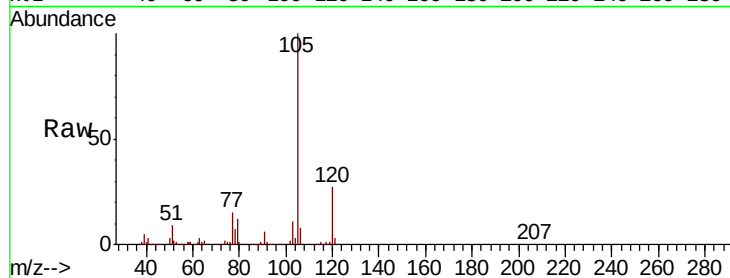
#73
Isopropylbenzene
Concen: 46.403 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1136336
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.8

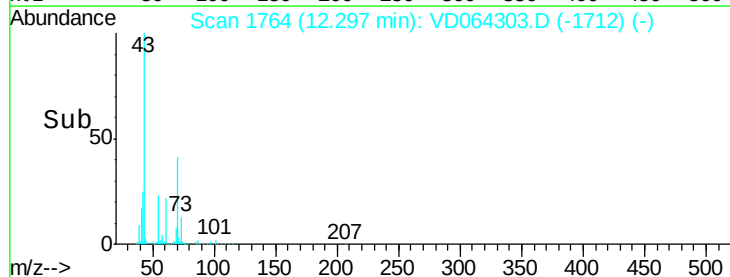
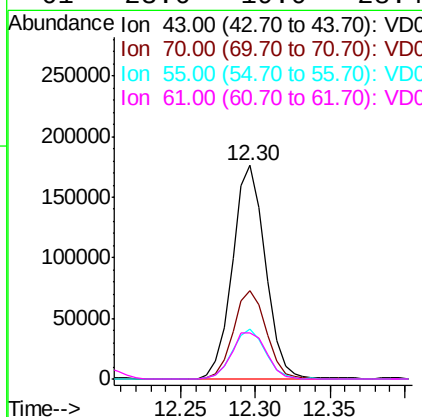
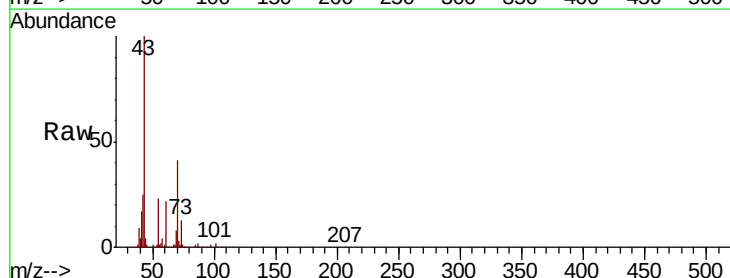
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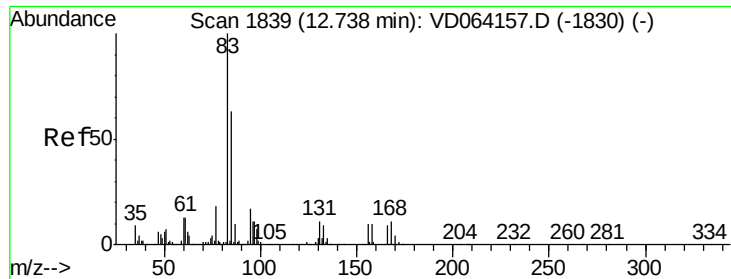
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#74
N-ethyl acetate
Concen: 46.581 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 43 Resp: 269371
Ion Ratio Lower Upper
43 100
70 41.7 32.4 48.6
55 23.9 17.9 26.9
61 23.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.394 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

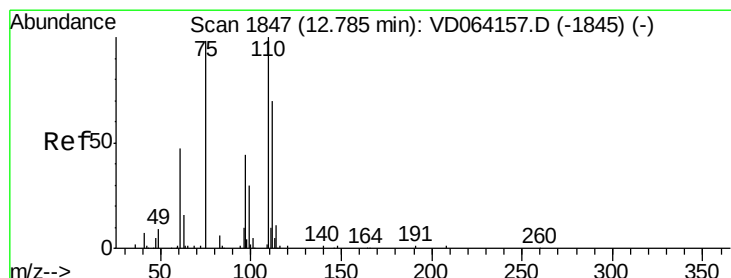
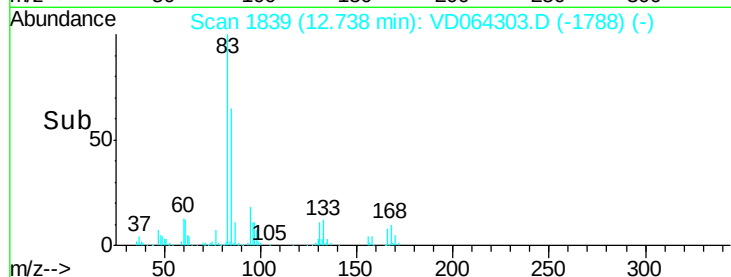
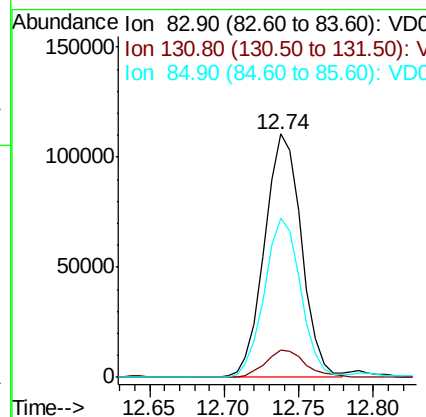
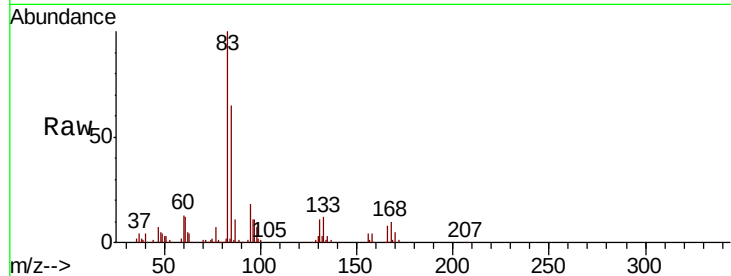
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	189641
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.7
85	64.3	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 48.047 ug/l m

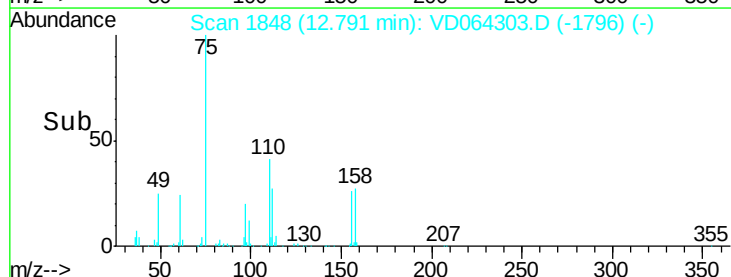
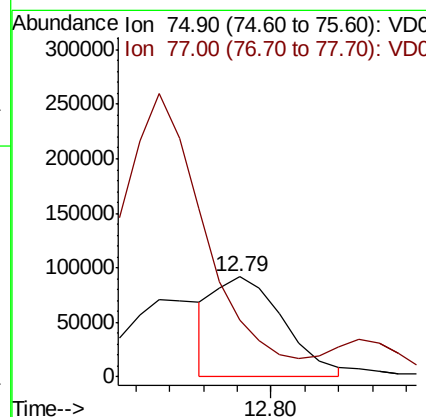
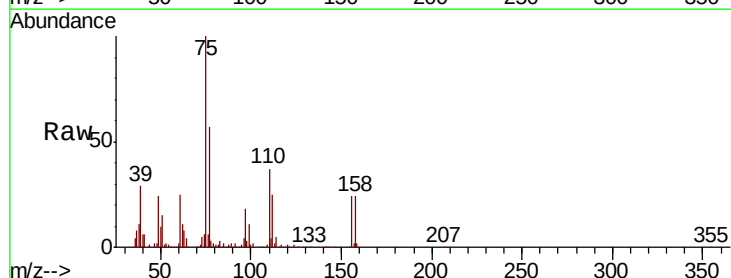
RT: 12.79 min Scan# 1848

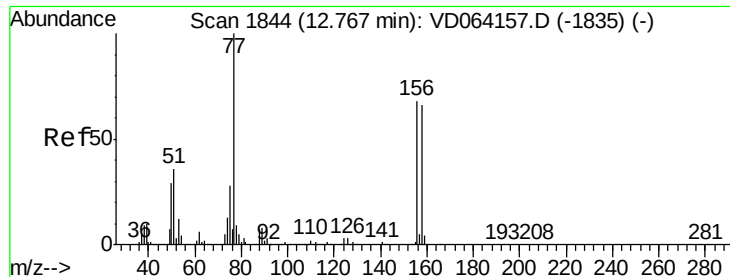
Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	75	Resp:	129115
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.830 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

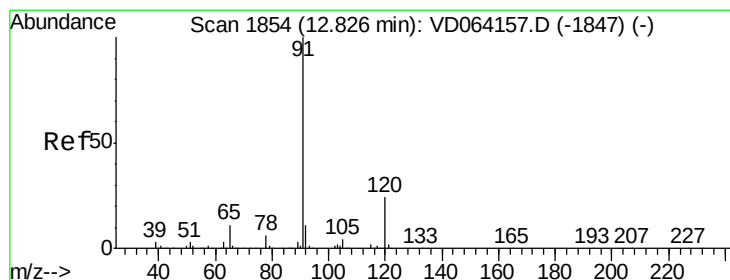
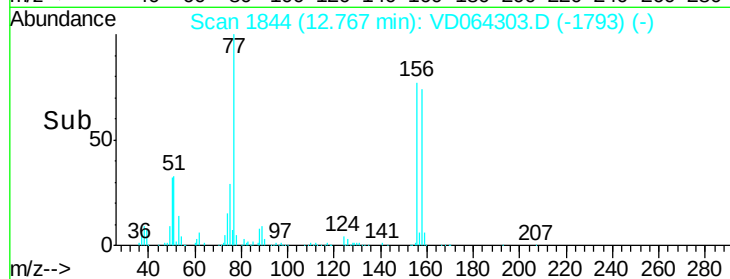
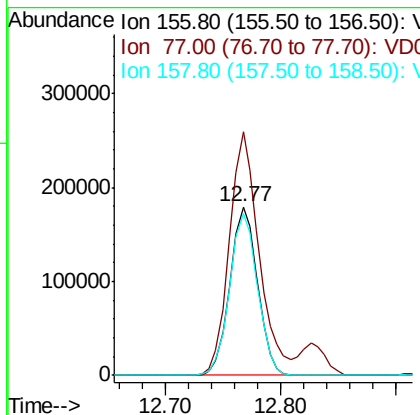
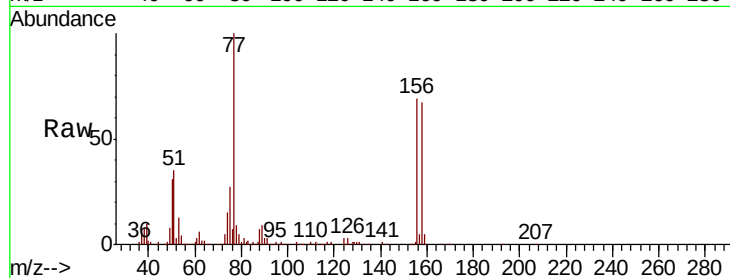
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	296450
Ion Ratio	Lower	Upper	
156	100		
77	156.2	81.2	243.4
158	97.5	48.4	145.2

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#78

n-propylbenzene

Concen: 46.398 ug/l

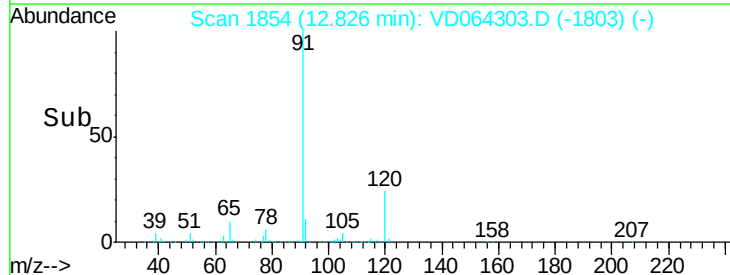
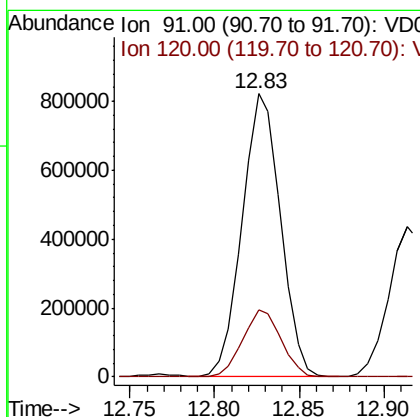
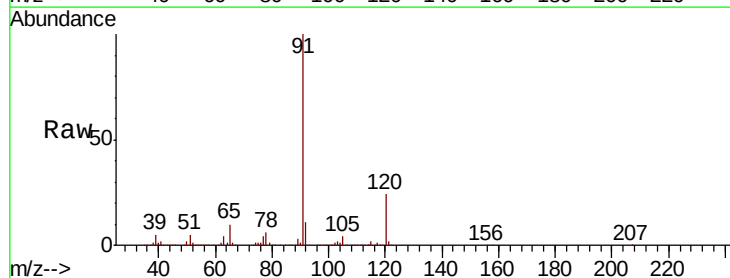
RT: 12.83 min Scan# 1854

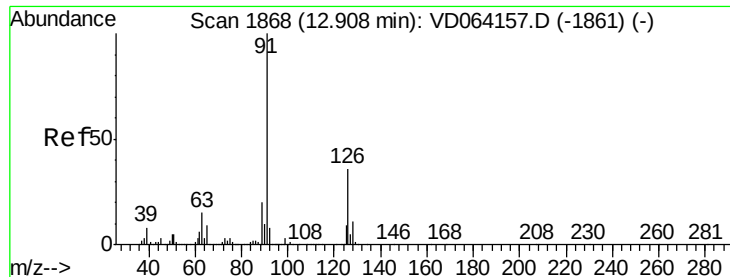
Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	91	Resp:	1298136
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





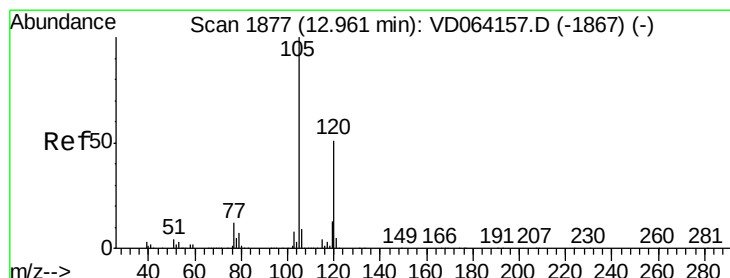
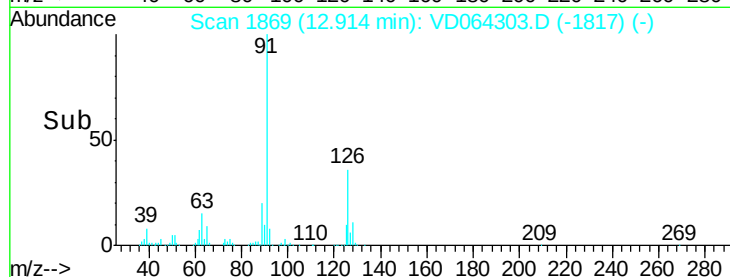
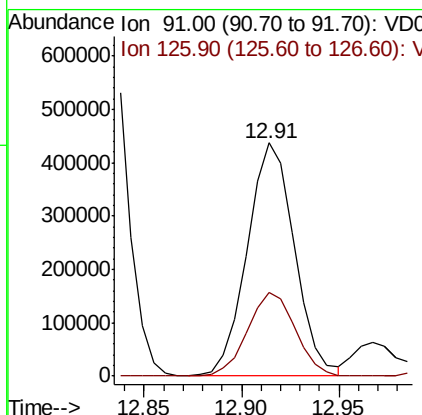
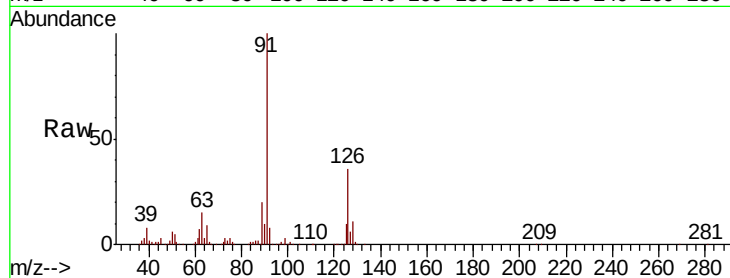
#79
2-Chlorotoluene
Concen: 46.344 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 732046
Ion Ratio Lower Upper
91 100
126 36.3 17.7 53.1

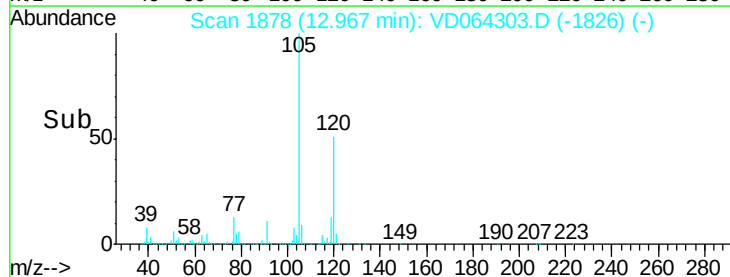
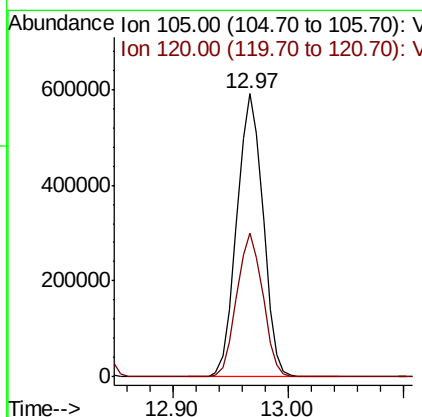
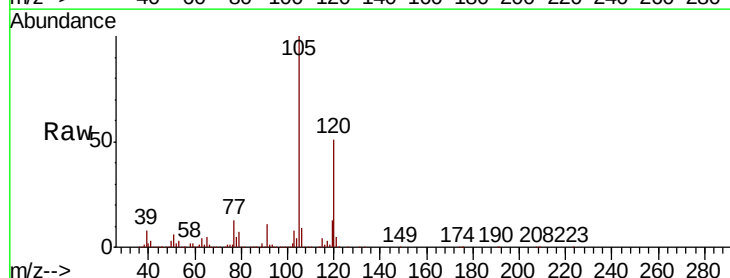
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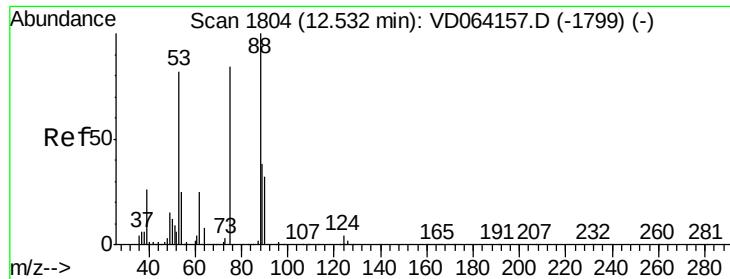
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#80
1,3,5-Trimethylbenzene
Concen: 46.167 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 105 Resp: 928966
Ion Ratio Lower Upper
105 100
120 50.5 25.4 76.4





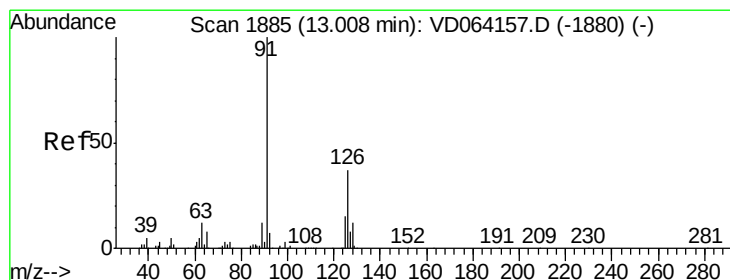
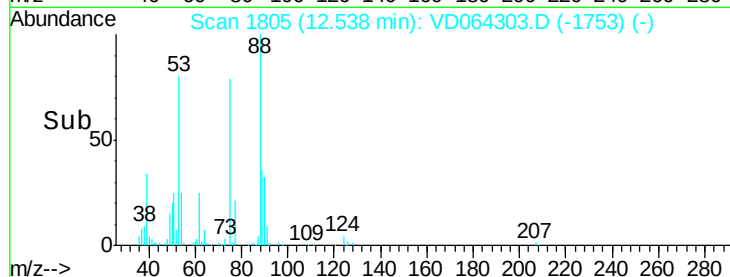
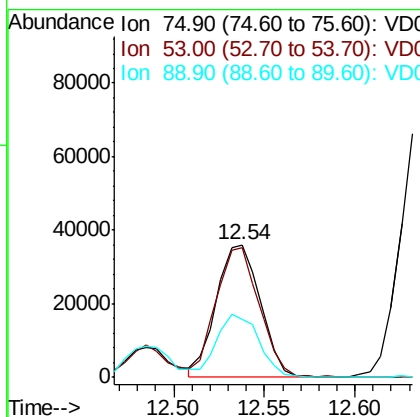
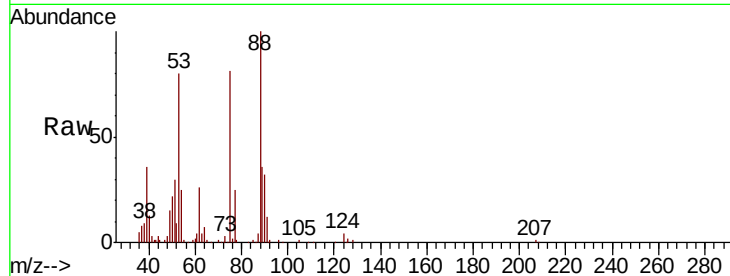
#81
trans-1,4-Dichloro-2-butene
Concen: 45.297 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.4	119.0
89	45.9	36.6	55.0

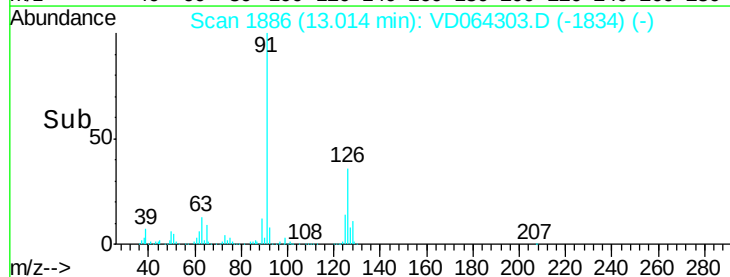
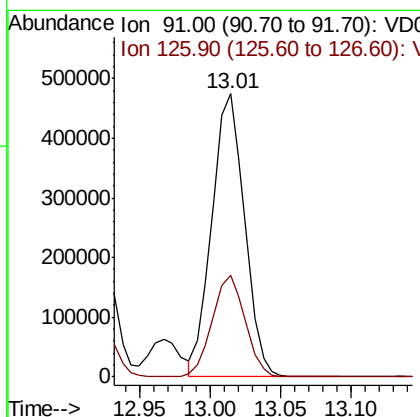
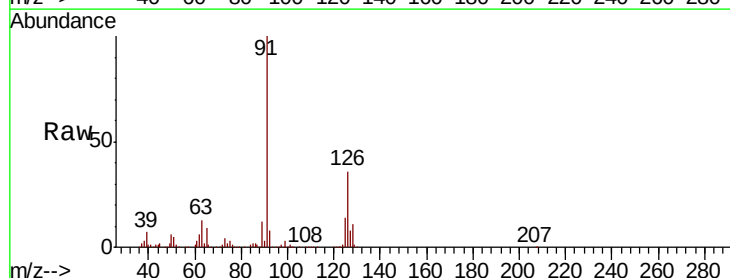
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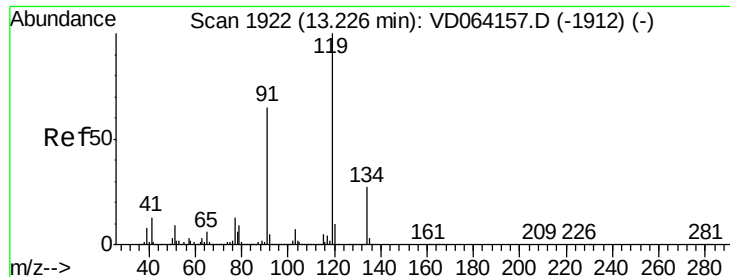
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#82
4-Chlorotoluene
Concen: 46.379 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.8	53.4





#83

tert-Butylbenzene

Concen: 45.456 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

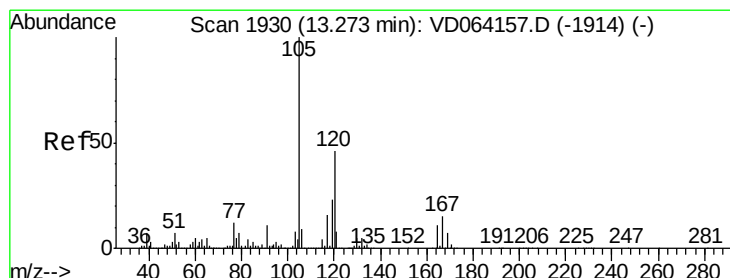
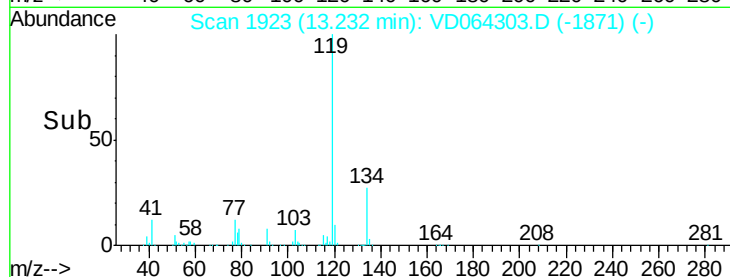
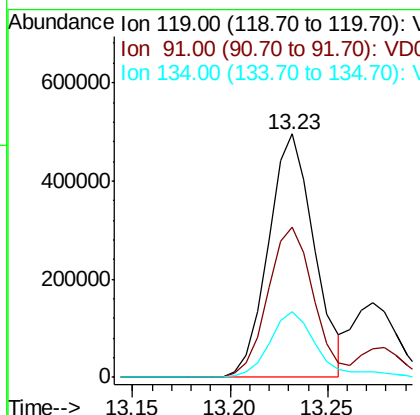
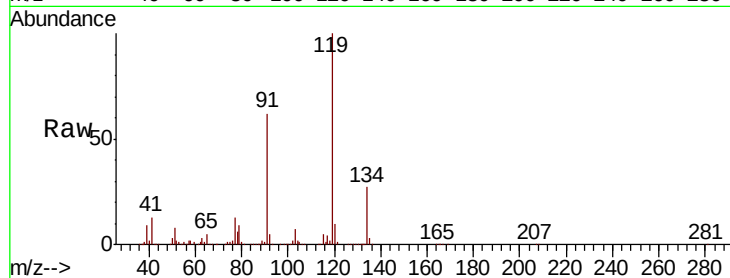
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	806534
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.8	95.4
134	28.1	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 46.935 ug/l

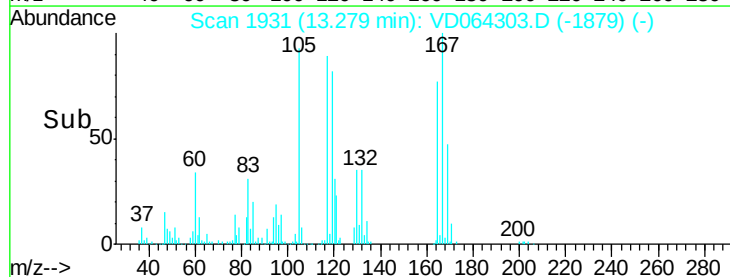
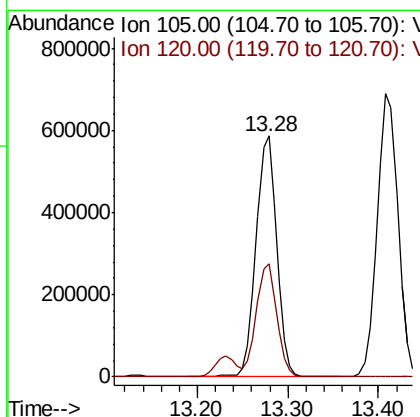
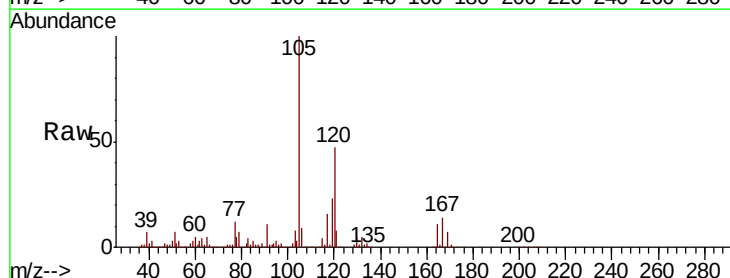
RT: 13.28 min Scan# 1931

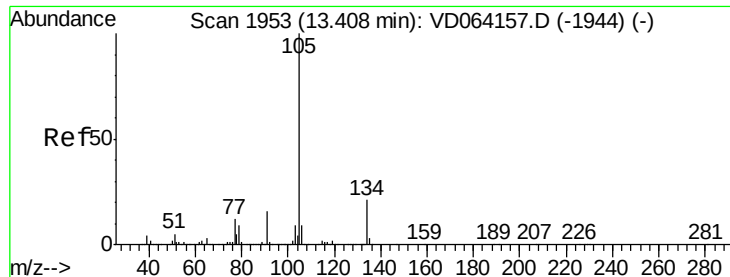
Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	105	Resp:	932401
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.3	69.8





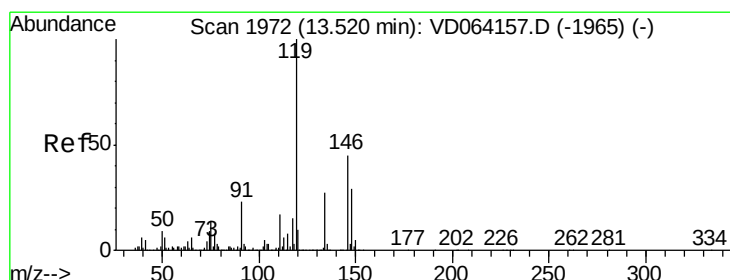
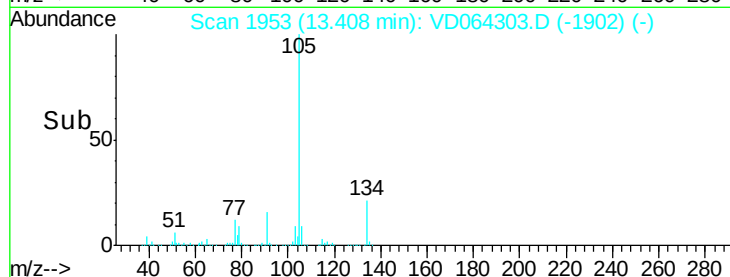
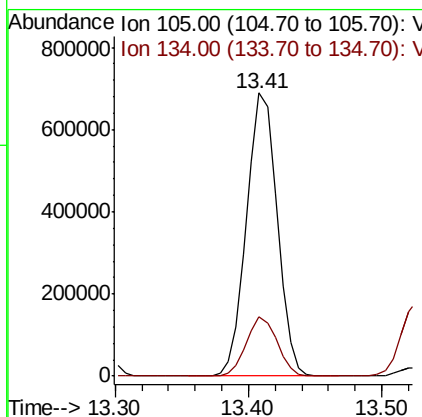
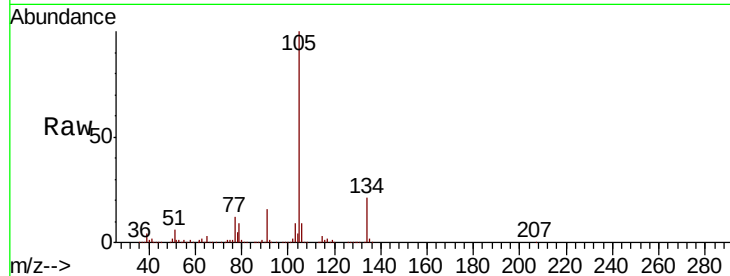
#85
 sec-Butylbenzene
 Concen: 45.899 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.7	31.9

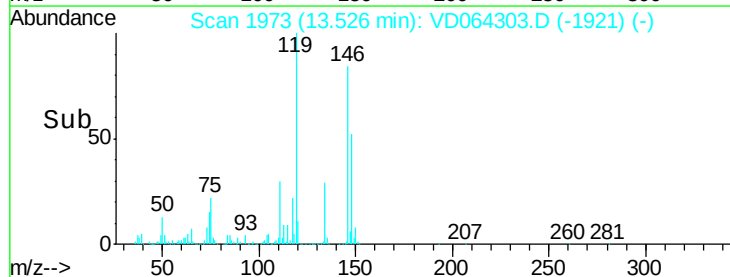
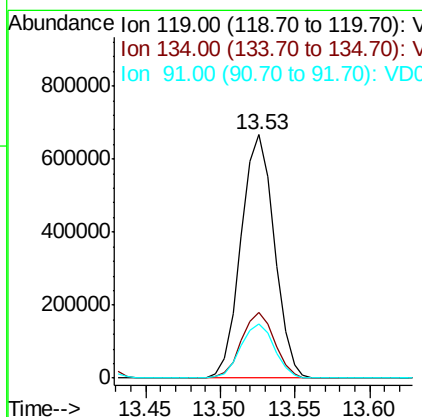
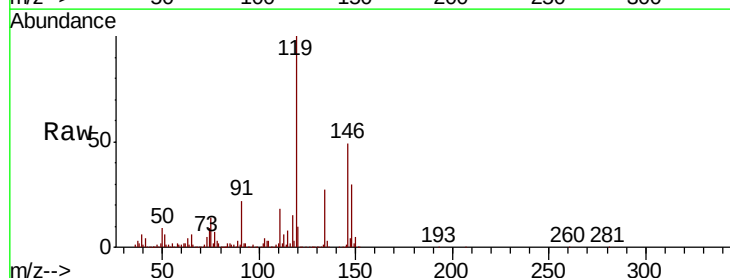
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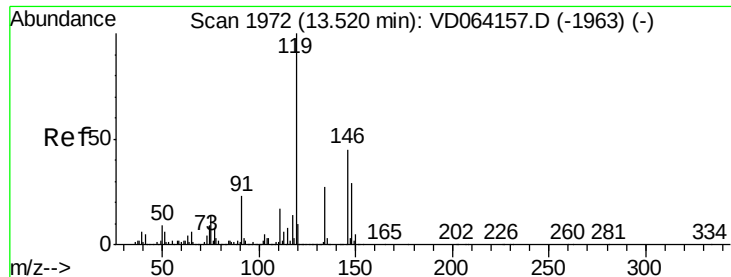
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#86
 p-Isopropyltoluene
 Concen: 45.560 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	22.3	11.5	34.4





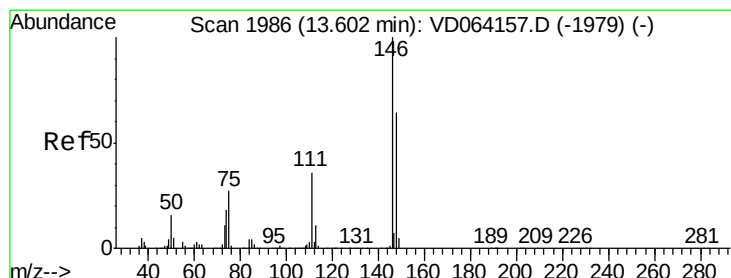
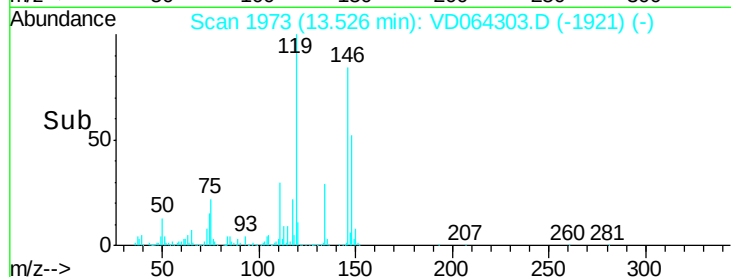
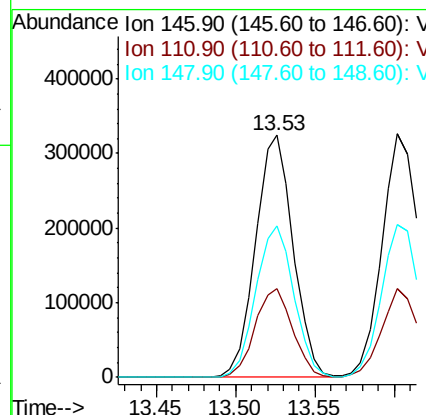
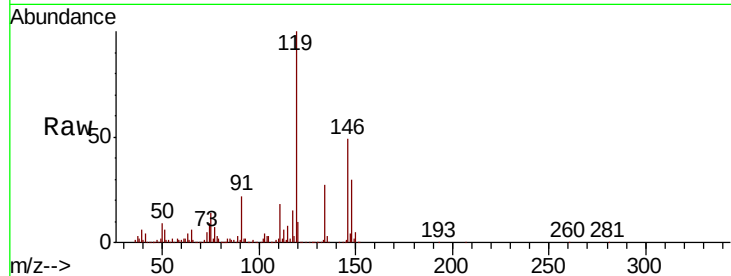
#87
 1,3-Dichlorobenzene
 Concen: 48.423 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.5	32.1	96.5

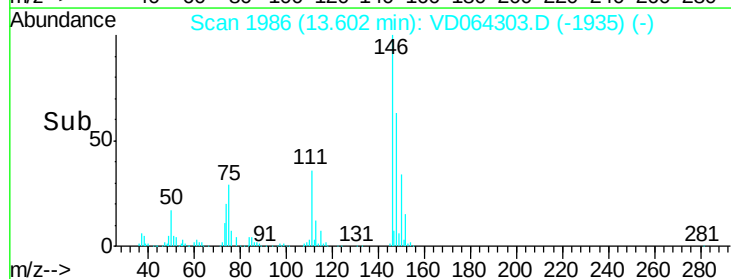
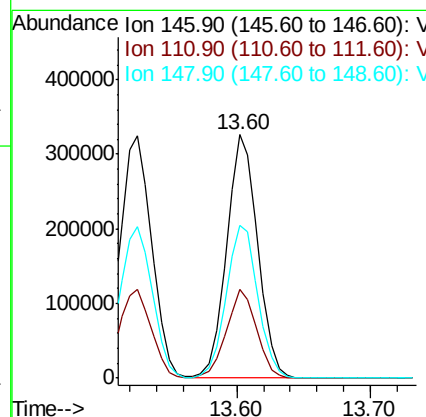
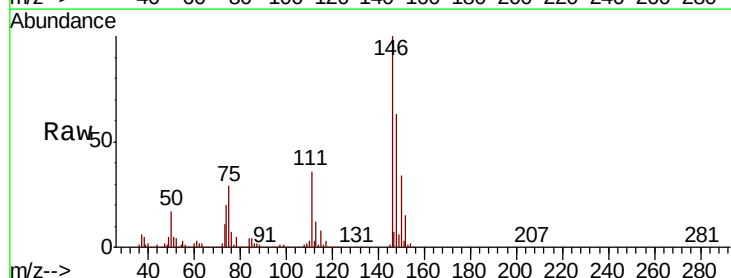
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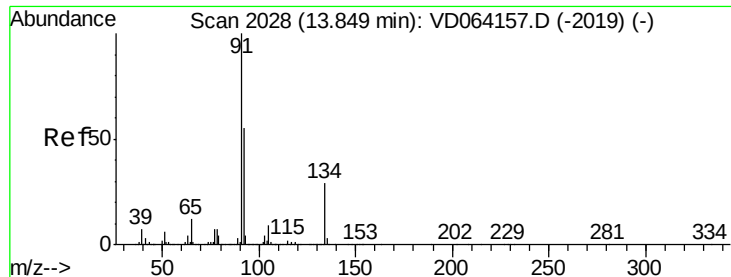
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#88
 1,4-Dichlorobenzene
 Concen: 49.160 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.4
148	64.0	31.9	95.7





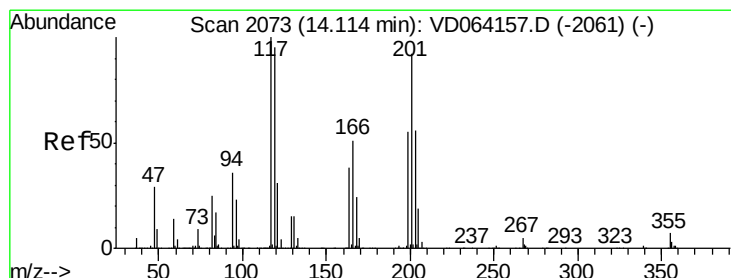
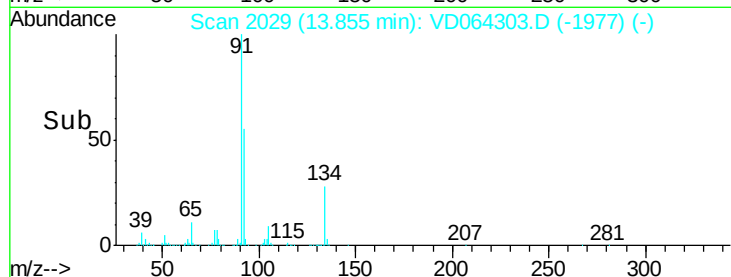
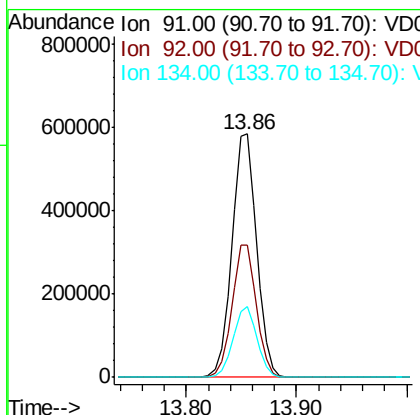
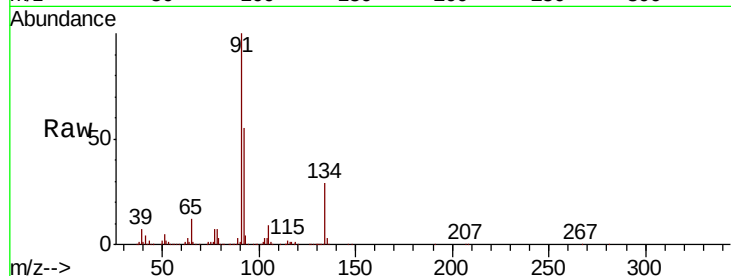
#89
n-Butylbenzene
Concen: 44.647 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	28.3	14.1	42.4

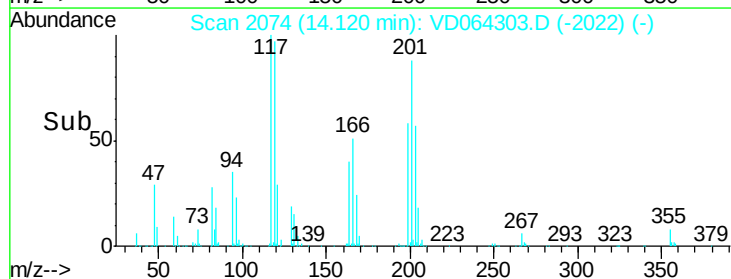
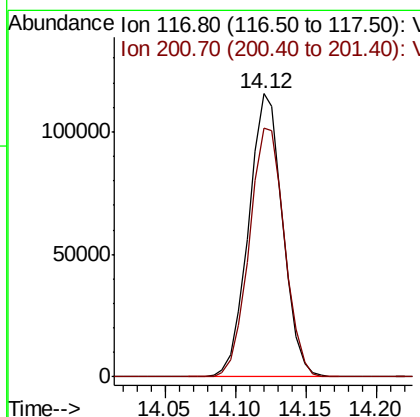
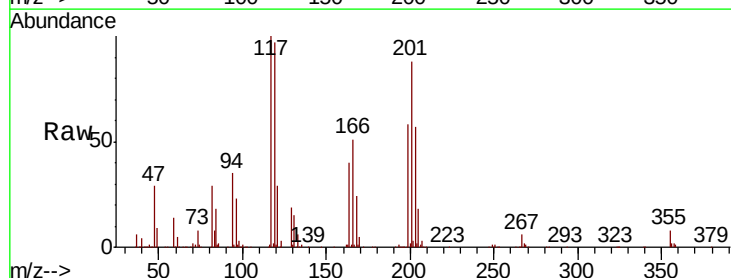
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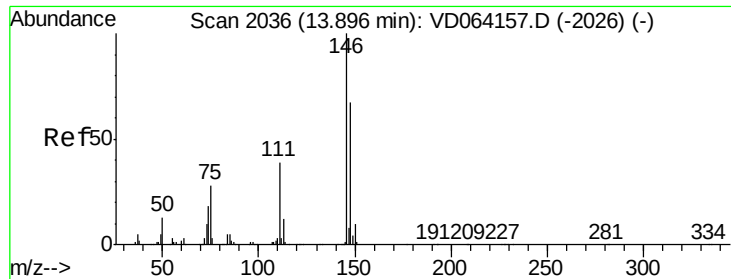
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#90
Hexachloroethane
Concen: 46.760 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.8	137.4





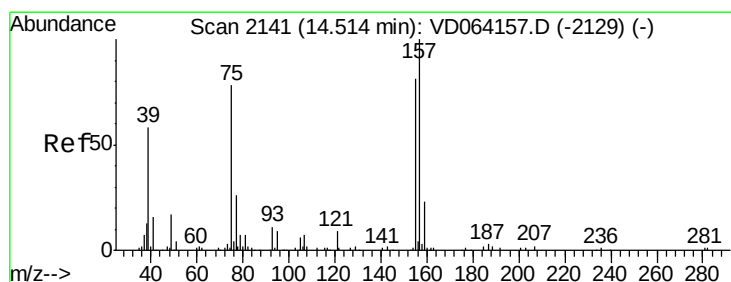
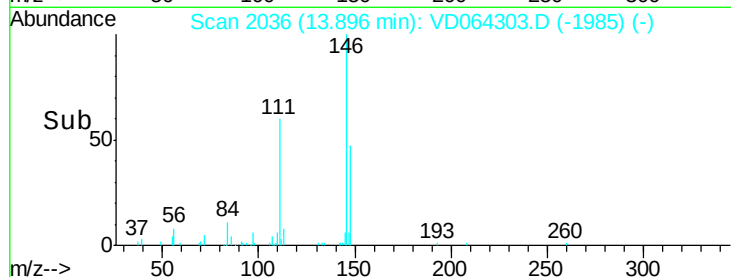
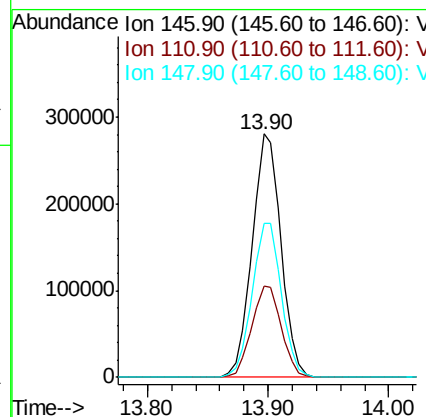
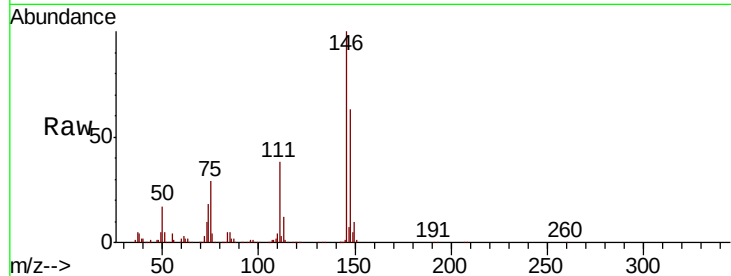
#91
 1,2-Dichlorobenzene
 Concen: 50.020 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.2	32.3	96.8

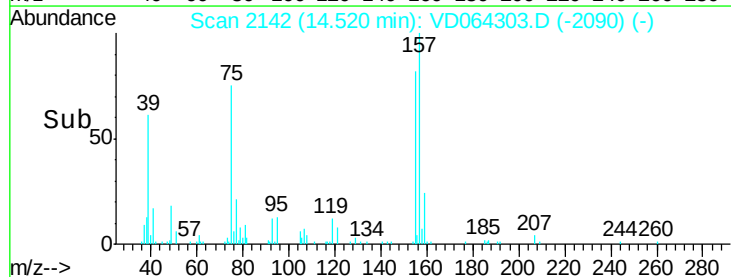
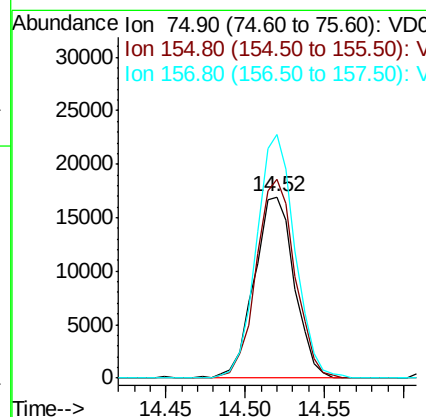
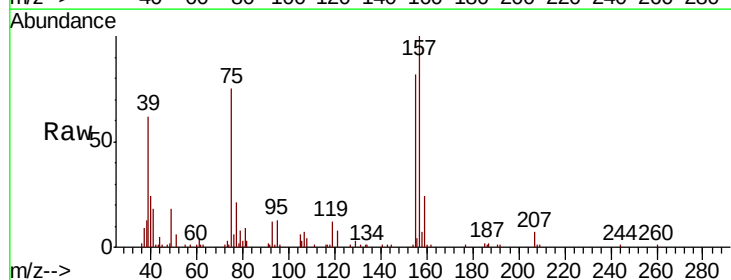
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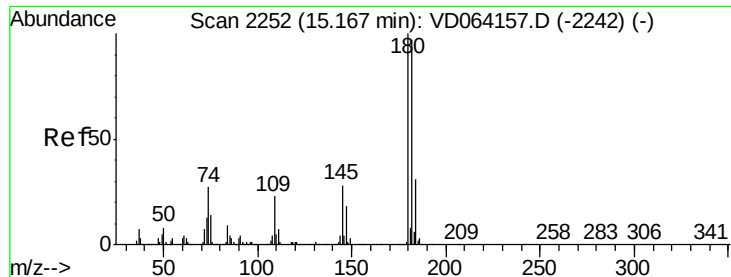
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.077 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.3	48.0	144.0
157	129.3	61.5	184.4





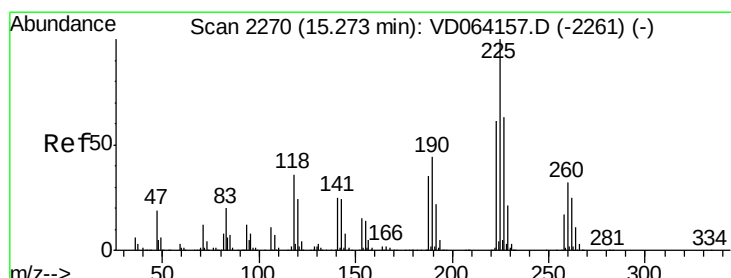
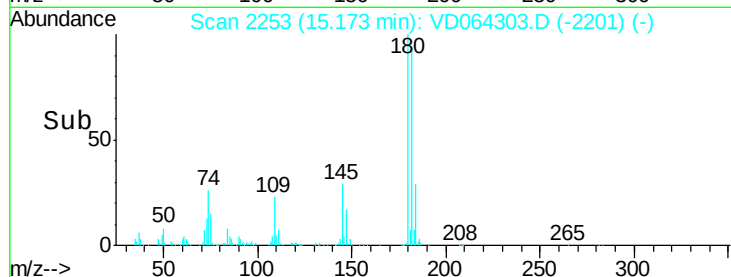
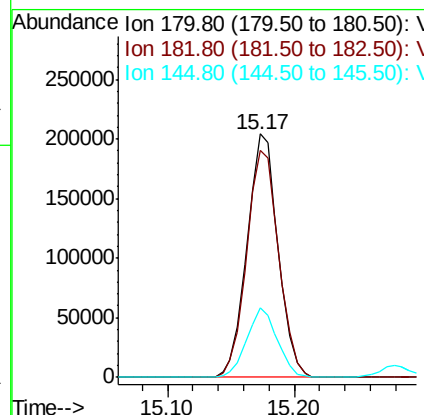
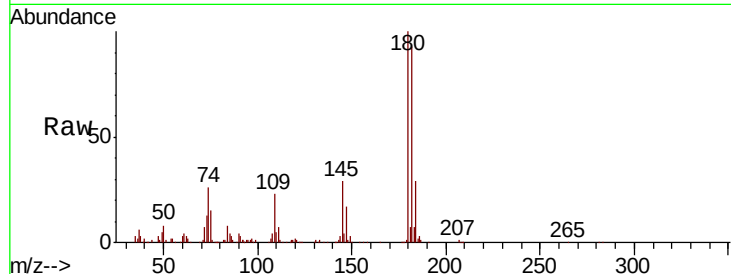
#93
1,2,4-Trichlorobenzene
Concen: 48.119 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.5
145	28.1	14.2	42.6

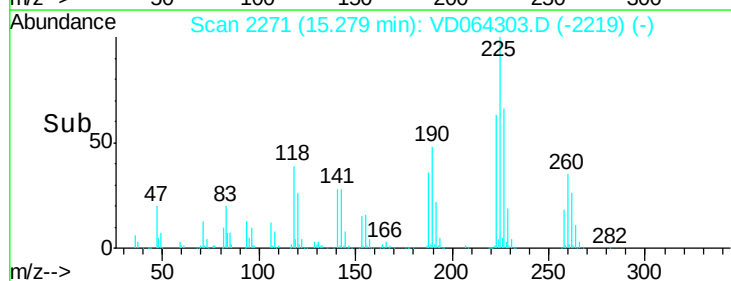
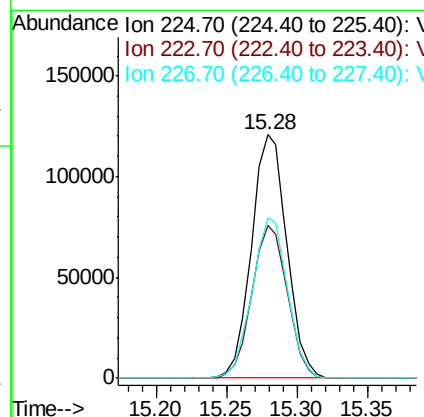
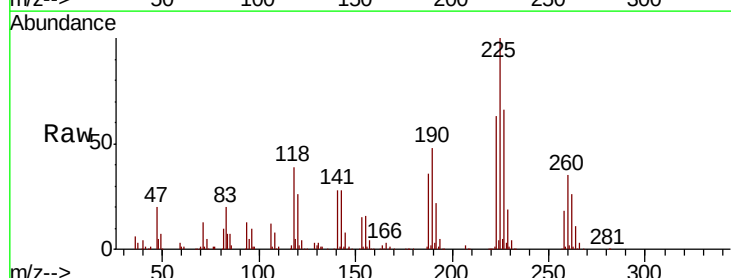
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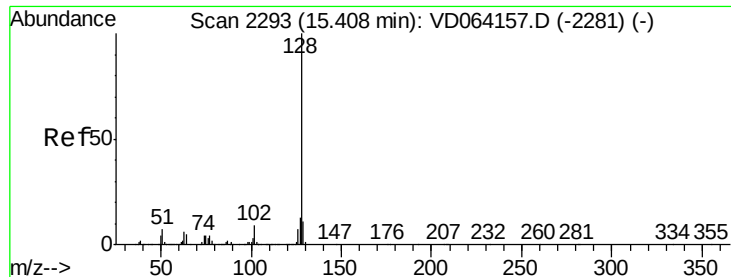
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#94
Hexachlorobutadiene
Concen: 45.645 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.3
227	65.8	31.5	94.5





#95

Naphthalene

Concen: 51.012 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

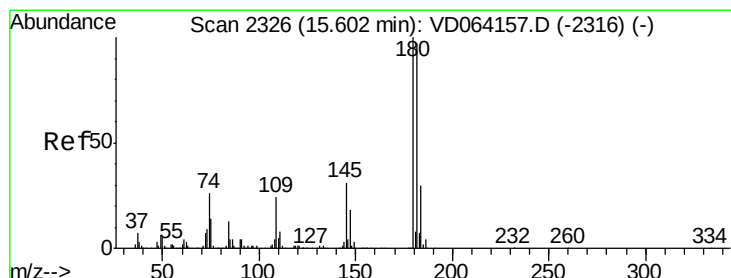
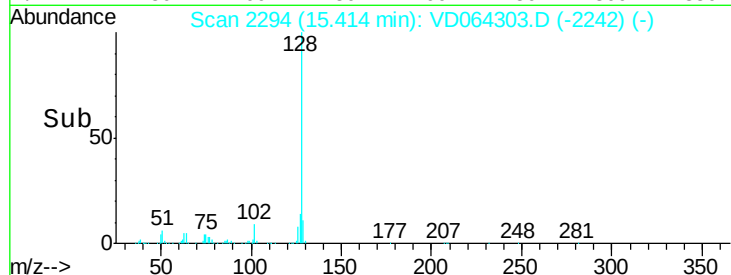
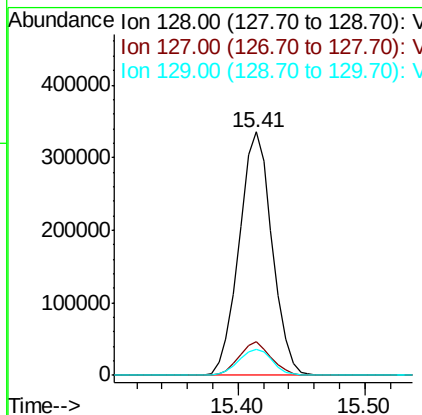
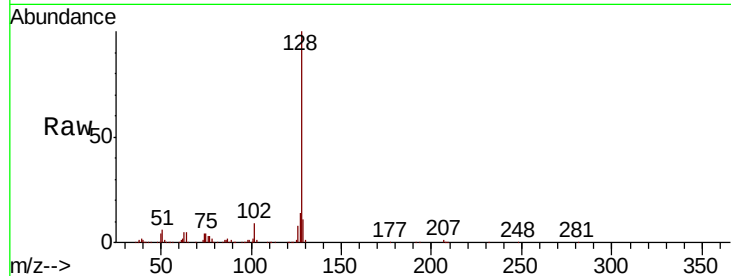
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	602963
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2019 9:56:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.430 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	180	Resp:	302972
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.3	144.9
145	29.7	15.3	45.8

