

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064305.D
 Acq On : 20 Nov 2019 10:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:52:14 AM

Quant Time: Nov 20 13:06:29 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	671575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	931645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	783688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	253037	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.92	113	273764	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.34	98	1019058	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.64	95	324063	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	251831	45.213	ug/l	99
3) Chloromethane	2.21	50	289456	48.450	ug/l	97
4) Vinyl Chloride	2.35	62	357849	56.012	ug/l	98
5) Bromomethane	2.77	94	240868	59.706	ug/l	99
6) Chloroethane	2.93	64	240564	58.928	ug/l	97
7) Trichlorofluoromethane	3.27	101	619121	59.771	ug/l	97
8) Diethyl Ether	3.71	74	127381	44.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	289025	48.819	ug/l	99
10) Methyl Iodide	4.29	142	318049	47.181	ug/l	99
11) Tert butyl alcohol	5.24	59	77656	201.297	ug/l	99
12) 1,1-Dichloroethene	4.06	96	271376	48.090	ug/l	97
13) Acrolein	3.93	56	86603	265.361	ug/l	100
14) Allyl chloride	4.71	41	427083	42.805	ug/l	94
15) Acrylonitrile	5.43	53	260389	214.458	ug/l	99
16) Acetone	4.17	43	310754	237.493	ug/l	95
17) Carbon Disulfide	4.40	76	791087	45.015	ug/l	99
18) Methyl Acetate	4.73	43	148849	40.729	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	571514	42.424	ug/l	97
20) Methylene Chloride	4.96	84	270729	40.960	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	301992	47.235	ug/l	93
22) Diisopropyl ether	6.37	45	805545	43.514	ug/l	98
23) Vinyl Acetate	6.31	43	2257115	218.727	ug/l	98
24) 1,1-Dichloroethane	6.27	63	498286	46.357	ug/l	98
25) 2-Butanone	7.22	43	356579	210.934	ug/l	94
26) 2,2-Dichloropropane	7.21	77	474487	45.012	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	325206	47.432	ug/l	95
28) Bromochloromethane	7.55	49	188009	50.240	ug/l	96
29) Tetrahydrofuran	7.57	42	204196	201.045	ug/l	97
30) Chloroform	7.71	83	525542	47.798	ug/l	100
31) Cyclohexane	7.98	56	466635	43.046	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	496398	47.150	ug/l	100
36) 1,1-Dichloropropene	8.11	75	416077	48.391	ug/l	100
37) Ethyl Acetate	7.30	43	141610	39.067	ug/l	98
38) Carbon Tetrachloride	8.09	117	453786	49.323	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	526157	48.360	ug/l	95
40) Benzene	8.35	78	1115169	47.456	ug/l	97
41) Methacrylonitrile	7.53	41	89673	39.360	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	309056	43.789	ug/l	99
43) Isopropyl Acetate	8.46	43	303656	40.658	ug/l	99
44) Trichloroethene	9.11	130	344340	48.823	ug/l	96
45) 1,2-Dichloropropane	9.39	63	270648	47.319	ug/l	98
46) Dibromomethane	9.48	93	141804	46.310	ug/l	98
47) Bromodichloromethane	9.67	83	386421	46.850	ug/l	97
48) Methyl methacrylate	9.46	41	140789	38.551	ug/l	96
49) 1,4-Dioxane	9.47	88	32731	890.029	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	729905	203.797	ug/l	98
52) Toluene	10.41	92	732152	47.382	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	364090	44.062	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	442833	45.925	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	190308	45.814	ug/l	97
56) Ethyl methacrylate	10.67	69	245328	42.219	ug/l	95
57) 1,3-Dichloropropane	10.95	76	333529	46.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	519177	220.570	ug/l	99
59) 2-Hexanone	10.99	43	534550	209.787	ug/l	98
60) Dibromochloromethane	11.14	129	265624	45.827	ug/l	100
61) 1,2-Dibromoethane	11.25	107	190058	45.681	ug/l	99
64) Tetrachloroethene	10.88	164	290149	48.139	ug/l	97
65) Chlorobenzene	11.67	112	770706	48.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	290420	47.927	ug/l	100
67) Ethyl Benzene	11.75	91	1404058	48.708	ug/l	99
68) m/p-Xylenes	11.86	106	1081494	97.881	ug/l	99
69) o-Xylene	12.18	106	492687	48.079	ug/l	99
70) Styrene	12.20	104	850431	47.543	ug/l	98
71) Bromoform	12.37	173	159039	46.117	ug/l #	98
73) Isopropylbenzene	12.48	105	1379874	49.112	ug/l	100
74) N-amyl acetate	12.30	43	267324	40.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	191242	45.172	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	160623m	52.096	ug/l	
77) Bromobenzene	12.77	156	322389	47.231	ug/l	97
78) n-propylbenzene	12.83	91	1566054	48.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	850015	46.902	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1111390	48.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	63701	41.040	ug/l	97
82) 4-Chlorotoluene	13.01	91	886156	46.879	ug/l	98
83) tert-Butylbenzene	13.23	119	971972	47.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1083295	47.528	ug/l	100
85) sec-Butylbenzene	13.41	105	1346376	49.242	ug/l	100
86) p-Isopropyltoluene	13.53	119	1270187	48.865	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	609330	48.090	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	594578	48.080	ug/l	100
89) n-Butylbenzene	13.86	91	1133846	48.281	ug/l	99
90) Hexachloroethane	14.12	117	234163	48.744	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	514347	47.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	30392	40.151	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	386862	46.762	ug/l	99
94) Hexachlorobutadiene	15.28	225	259794	48.618	ug/l	98
95) Naphthalene	15.41	128	603219	44.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	325776	46.325	ug/l	99

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

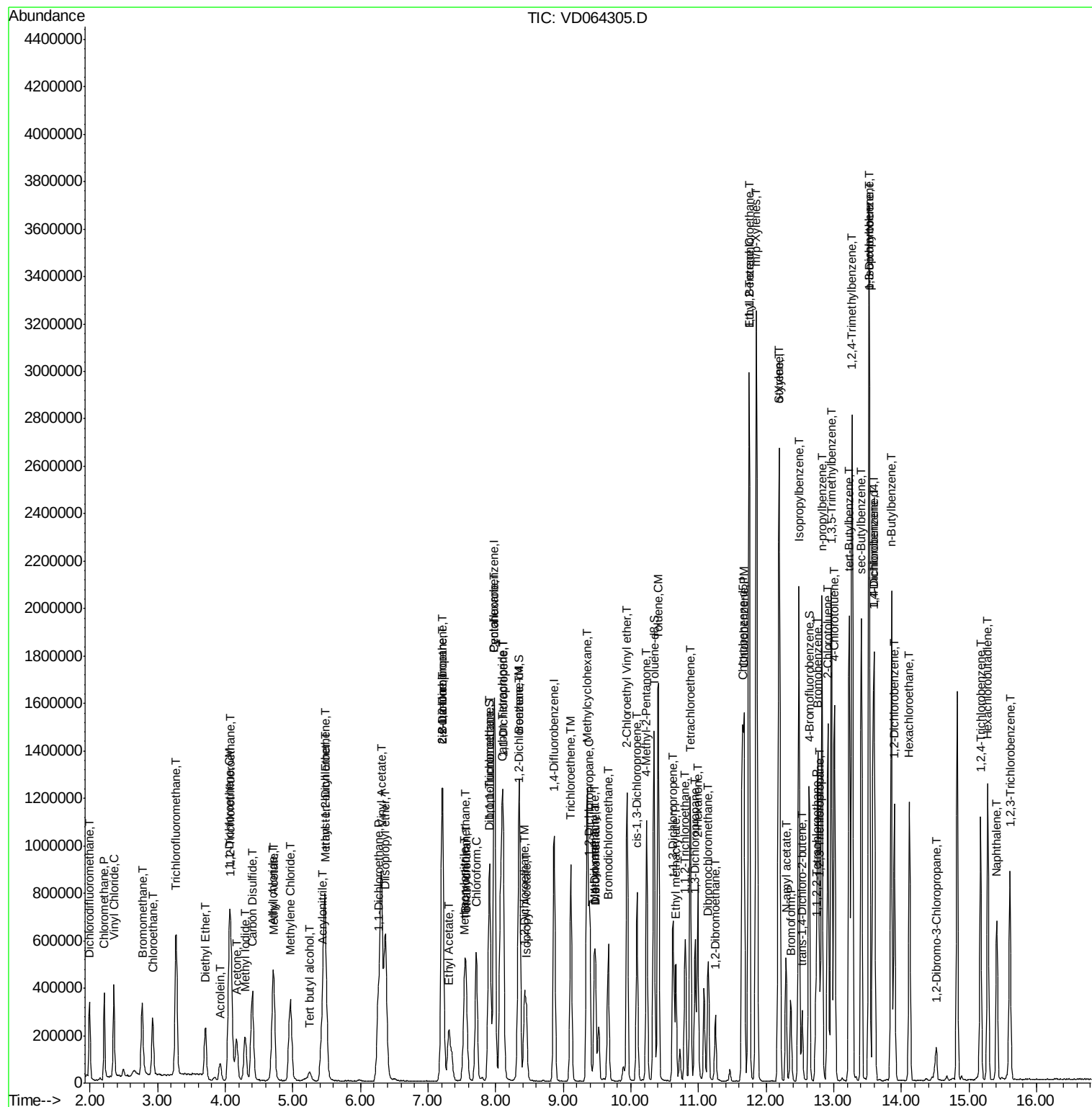
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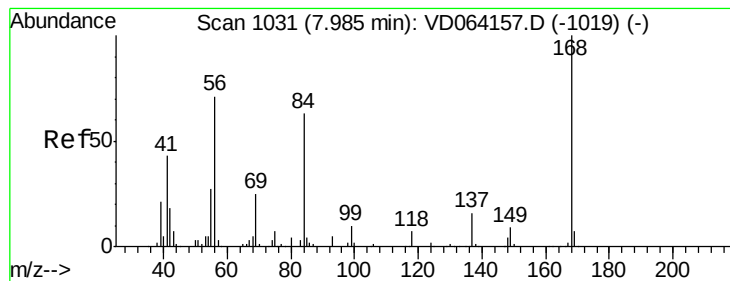
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 671575

Ion Ratio Lower Upper

168 100

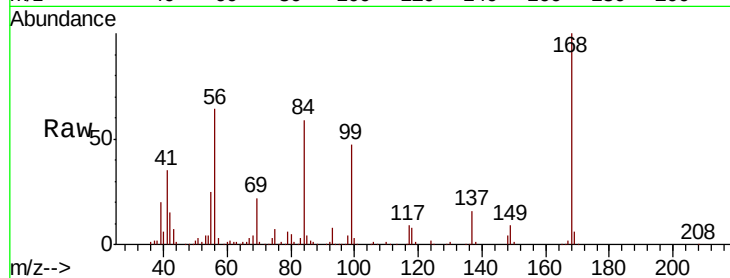
99 47.3 41.6 62.4

Manual Integrations

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11/22/2019 12:52:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

300000

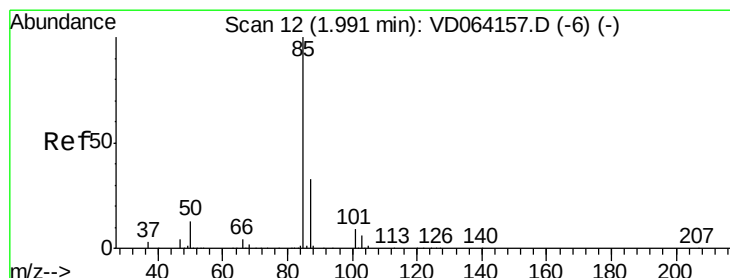
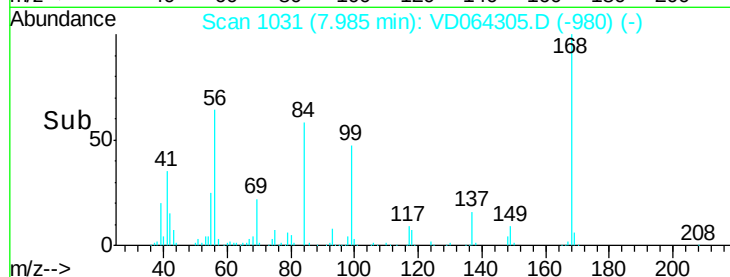
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.213 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064305.D

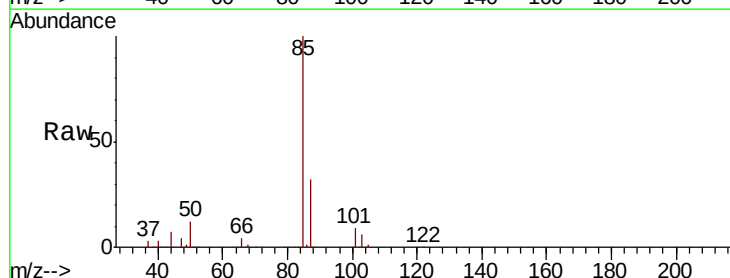
Acq: 20 Nov 2019 10:59

Tgt Ion: 85 Resp: 251831

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200000

150000

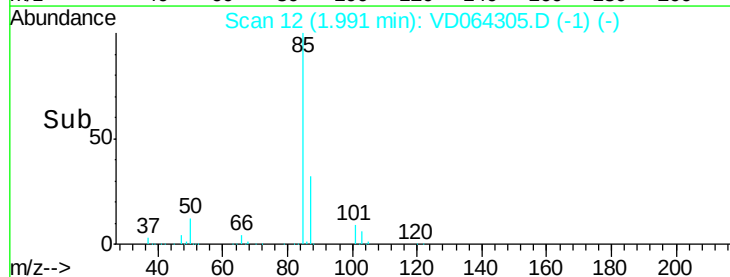
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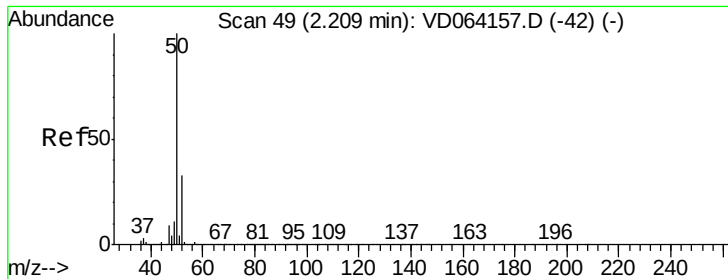
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.450 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 289456

Ion Ratio Lower Upper

50 100

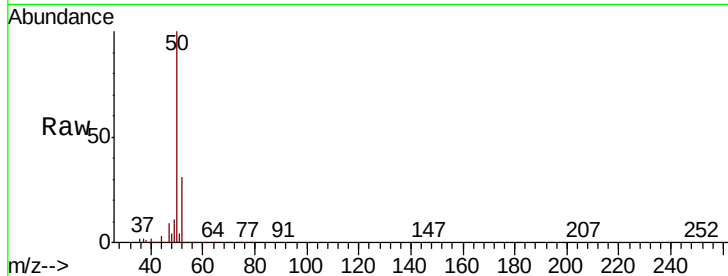
52 30.9 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

250000

200000

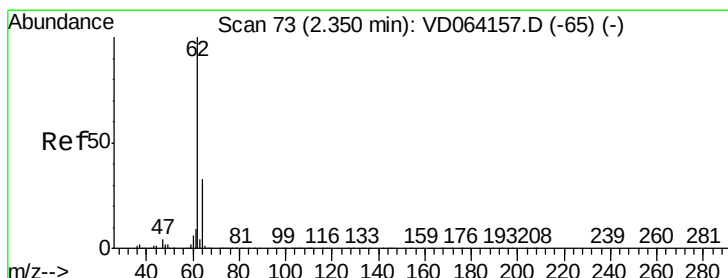
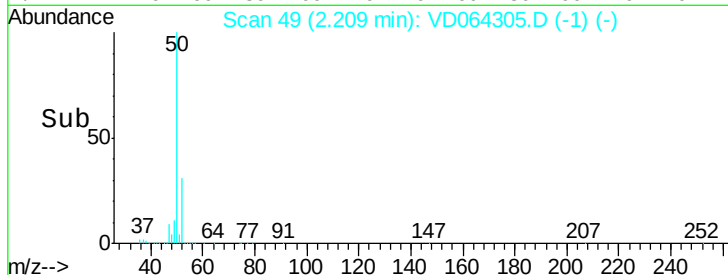
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 56.012 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064305.D

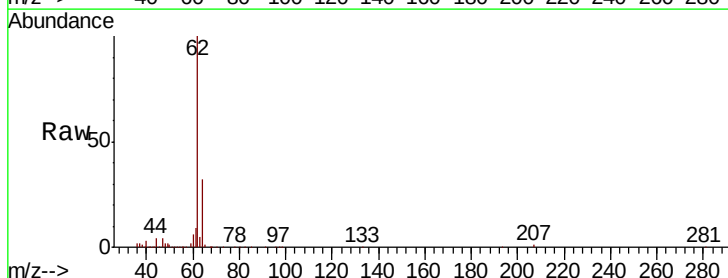
Acq: 20 Nov 2019 10:59

Tgt Ion: 62 Resp: 357849

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

250000

200000

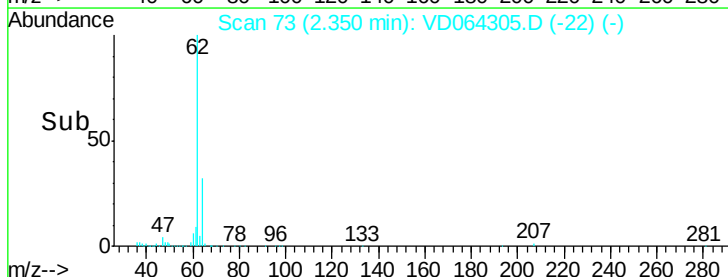
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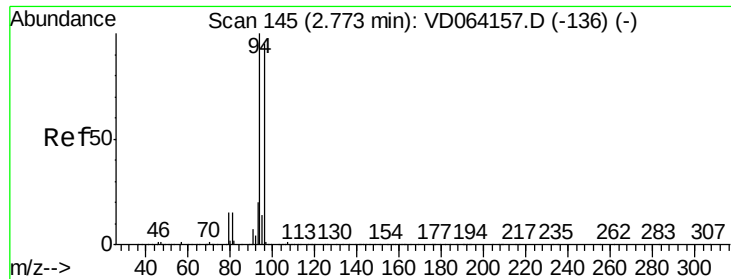
100000

50000

0

Time-->





#5

Bromomethane

Concen: 59.706 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 240868

Ion Ratio Lower Upper

94 100

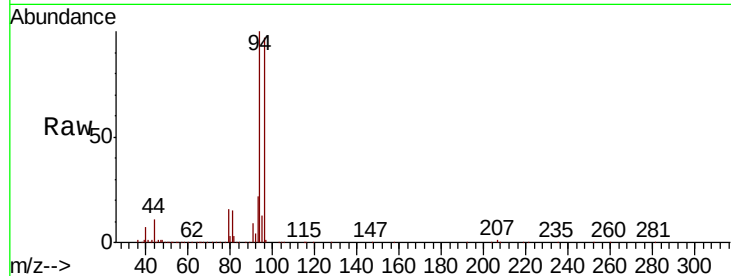
96 96.5 76.2 114.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

120000

100000

80000

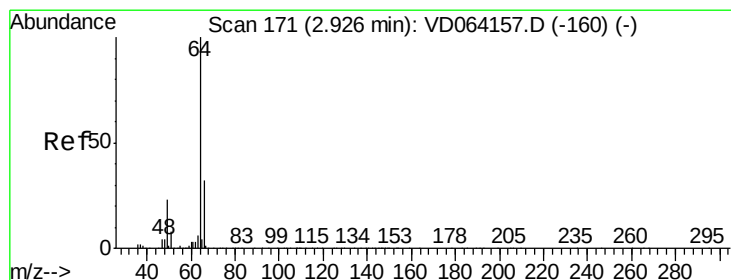
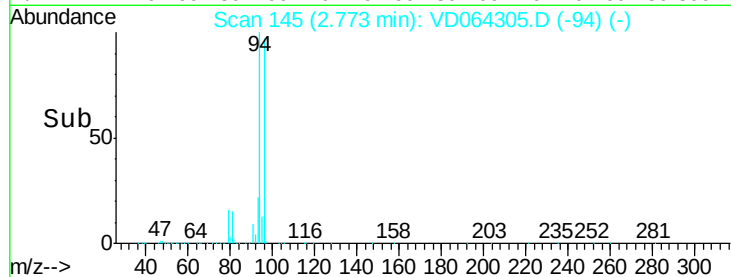
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 58.928 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064305.D

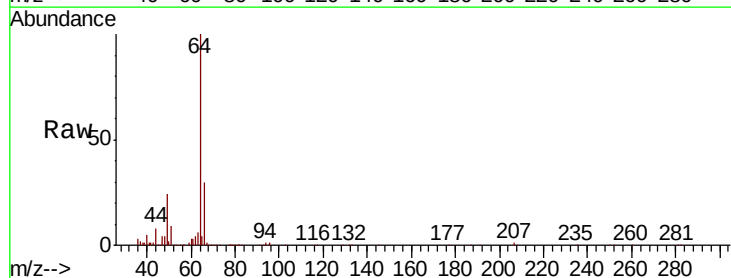
Acq: 20 Nov 2019 10:59

Tgt Ion: 64 Resp: 240564

Ion Ratio Lower Upper

64 100

66 30.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

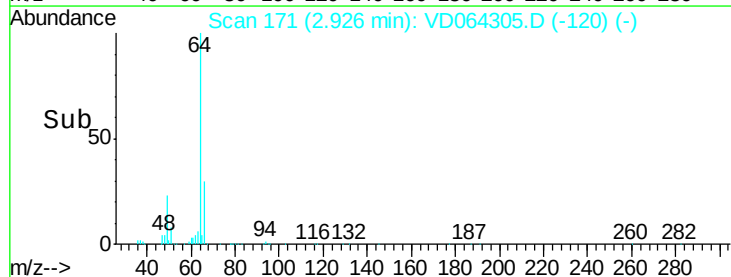
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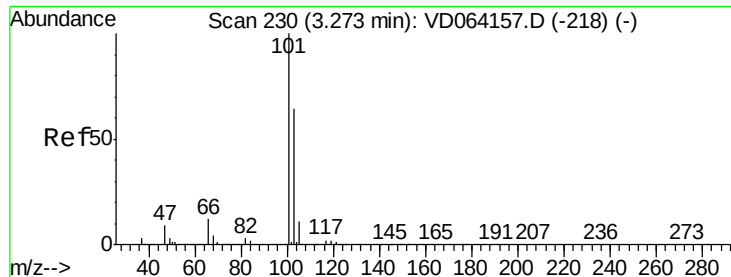
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50000

0

Time-->





#7

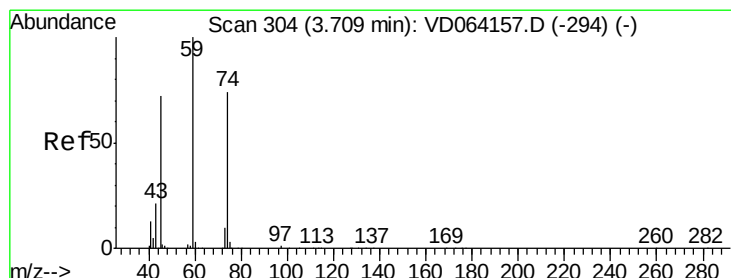
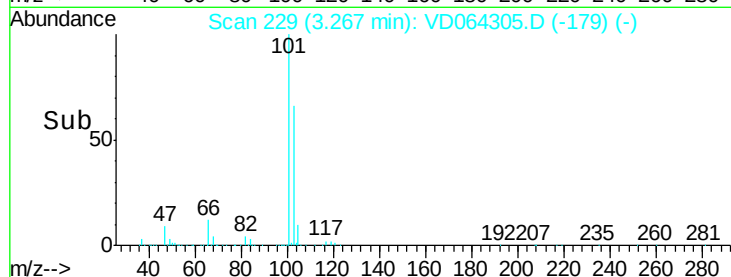
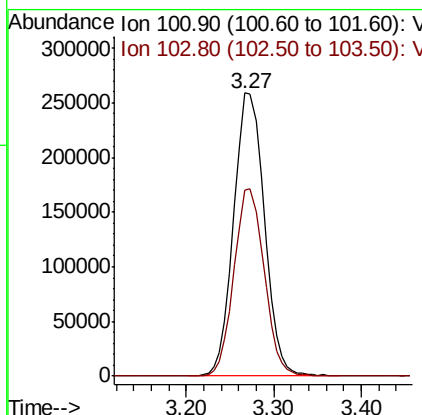
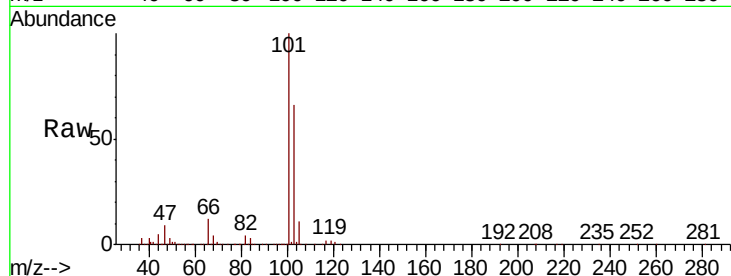
Trichlorofluoromethane
Concen: 59.771 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.8	76.2

Manual Integrations
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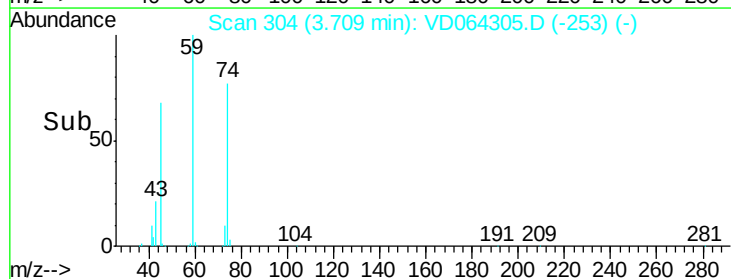
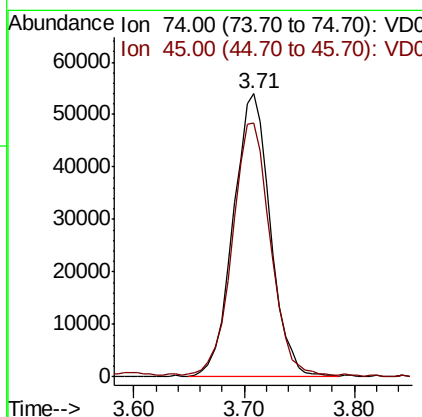
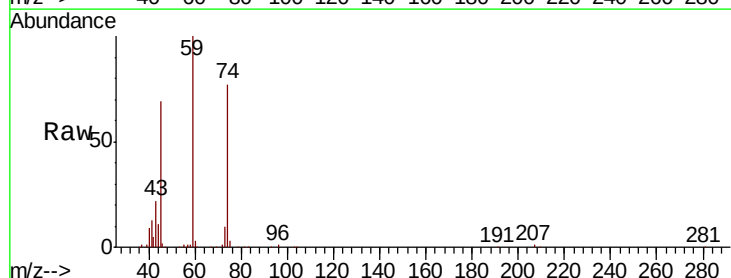
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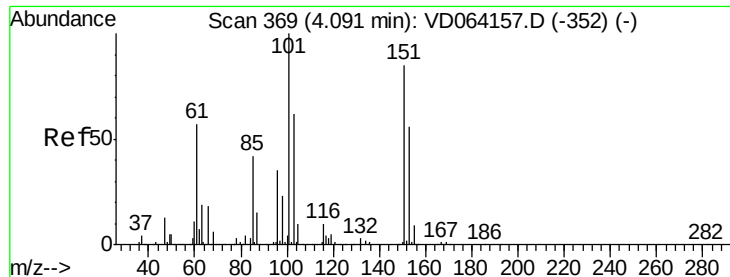


#8

Diethyl Ether
Concen: 44.725 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.819 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064305.D

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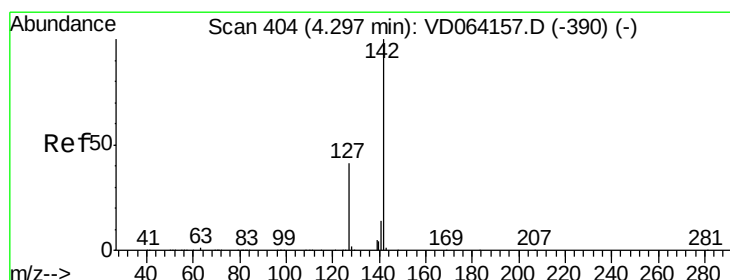
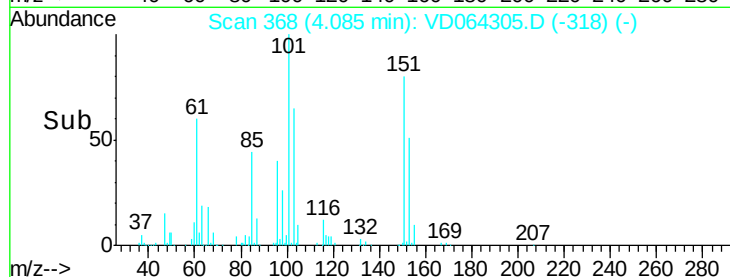
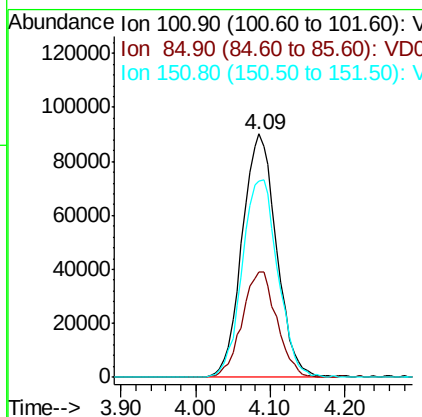
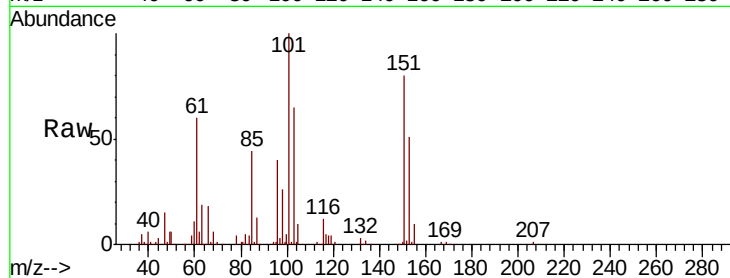
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	289025
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.4	51.6
151	84.1	68.1	102.1

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#10

Methyl Iodide

Concen: 47.181 ug/l

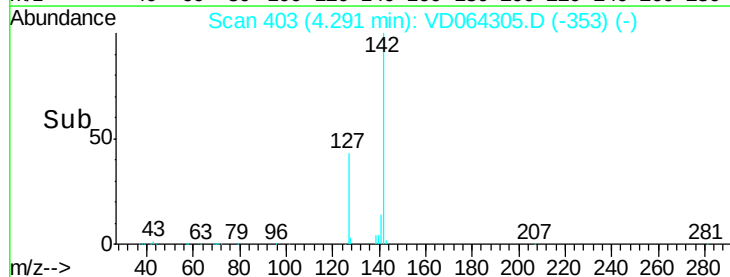
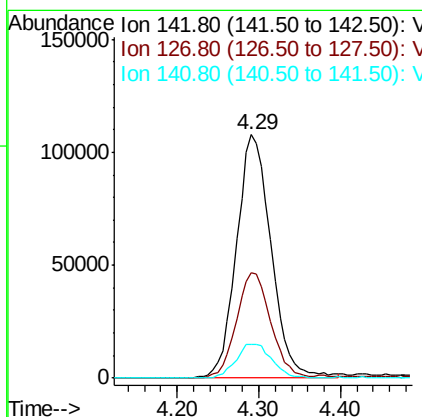
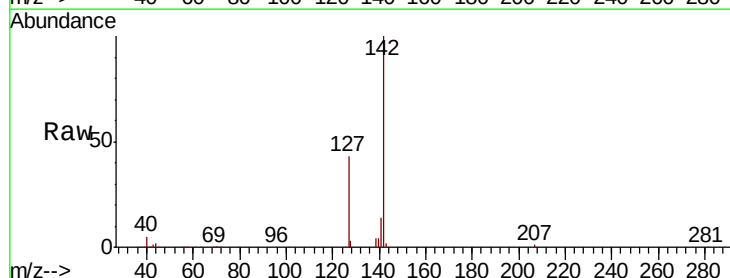
RT: 4.29 min Scan# 403

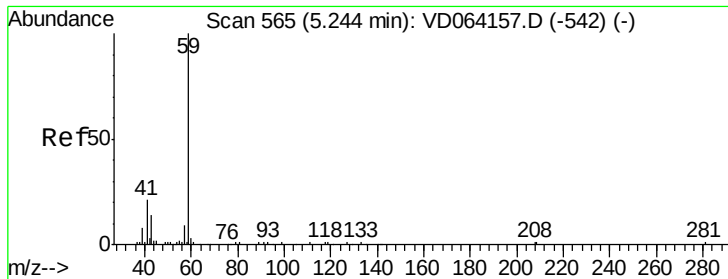
Delta R.T. -0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	142	Resp:	318049
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.4	51.6
141	14.6	11.2	16.8





#11

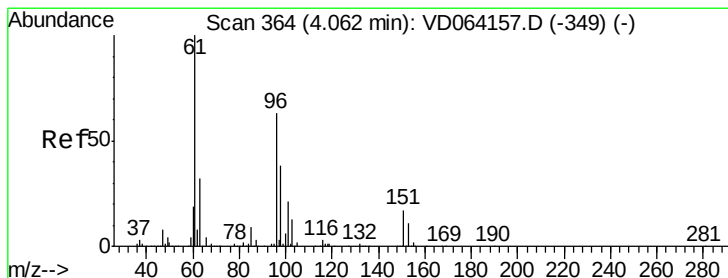
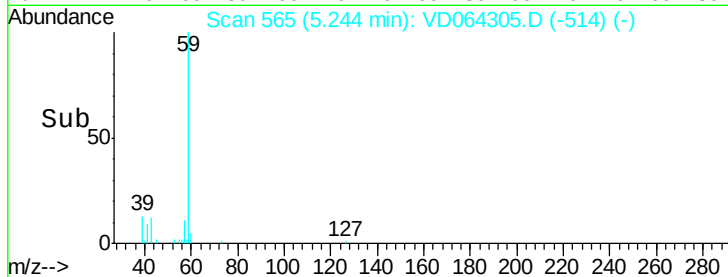
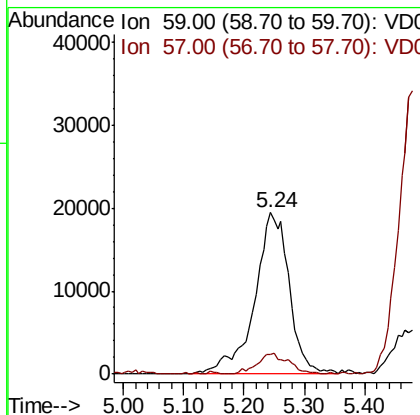
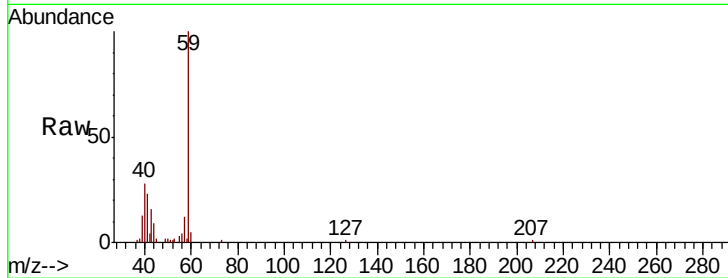
Tert butyl alcohol
Concen: 201.297 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.4	14.2

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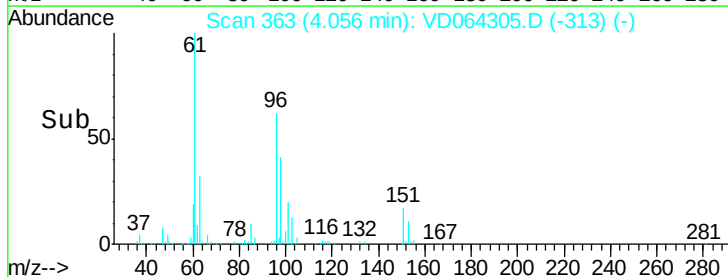
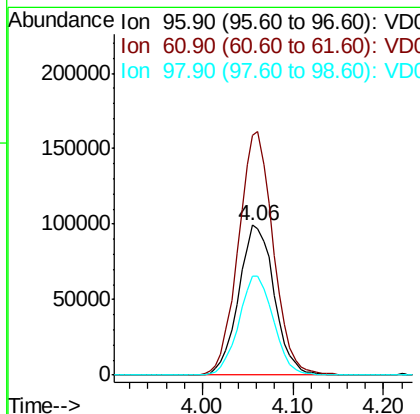
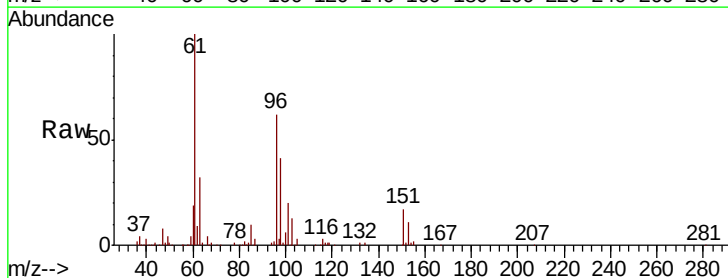
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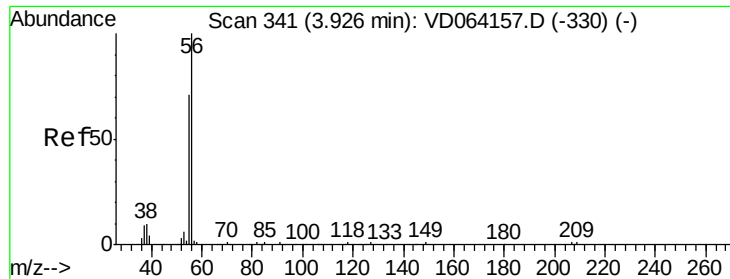


#12

1,1-Dichloroethene
Concen: 48.090 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	127.4	191.2
98	65.8	48.1	72.1





#13

Acrolein

Concen: 265.361 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86603

Ion Ratio Lower Upper

56 100

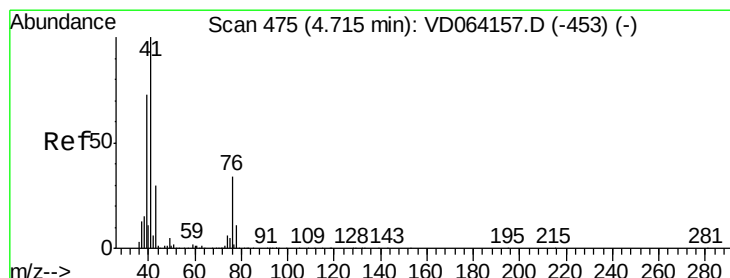
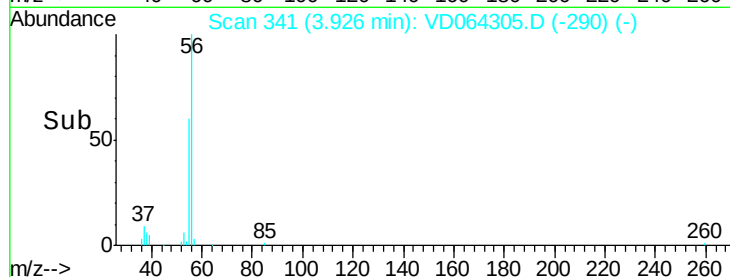
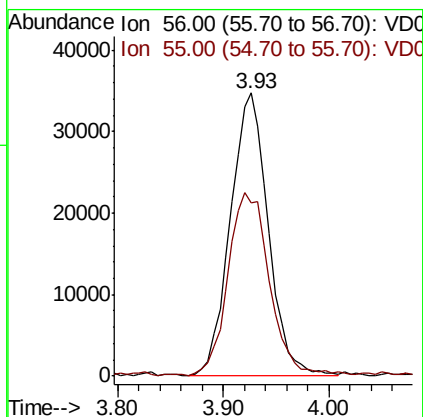
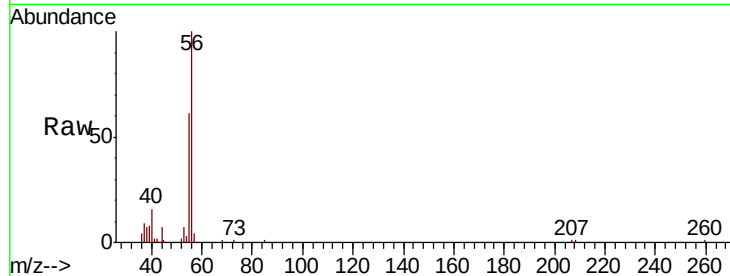
55 70.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 42.805 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

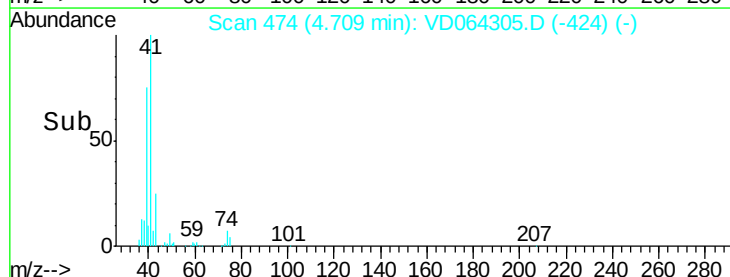
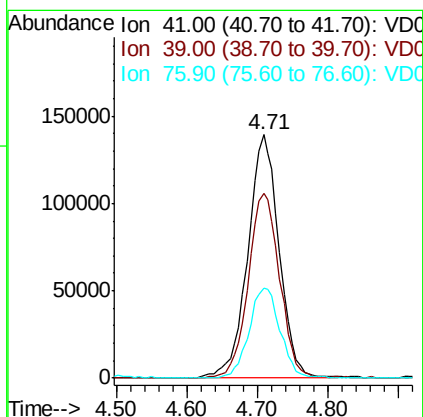
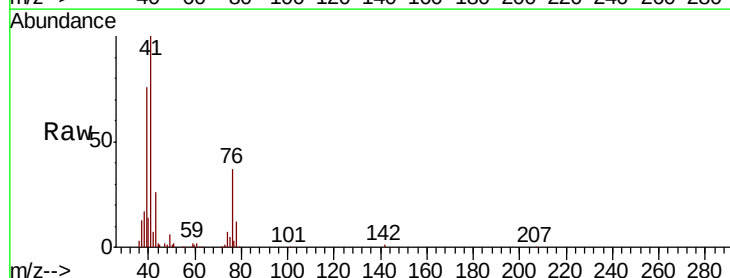
Tgt Ion: 41 Resp: 427083

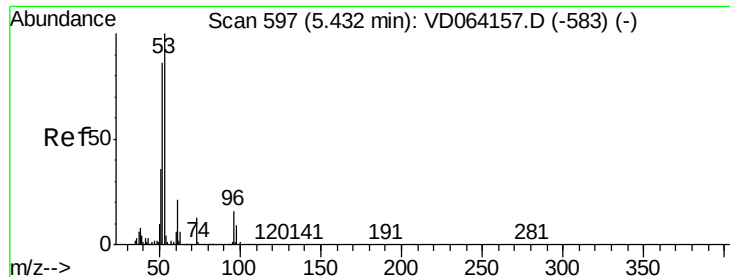
Ion Ratio Lower Upper

41 100

39 77.0 57.5 86.3

76 36.7 26.8 40.2





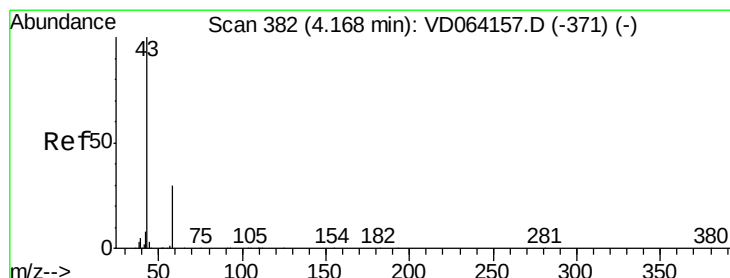
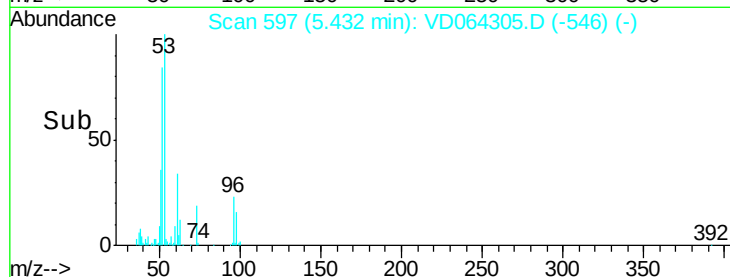
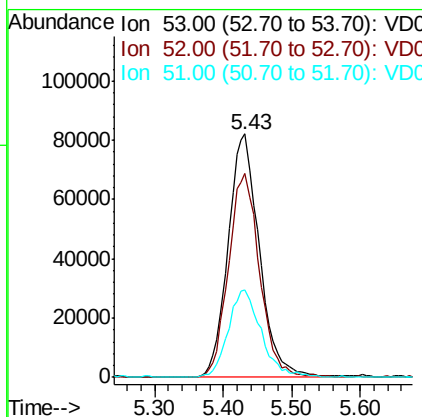
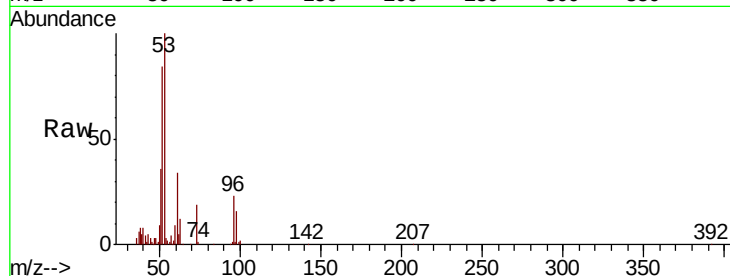
#15
 Acrylonitrile
 Concen: 214.458 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	37.9	30.6	46.0

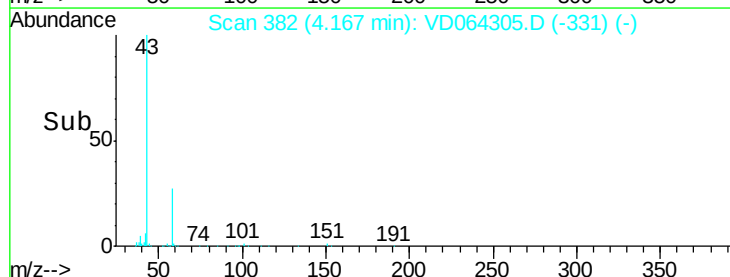
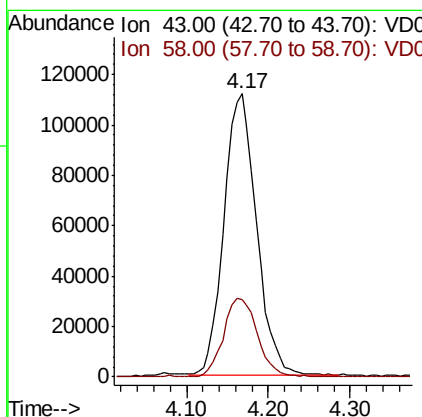
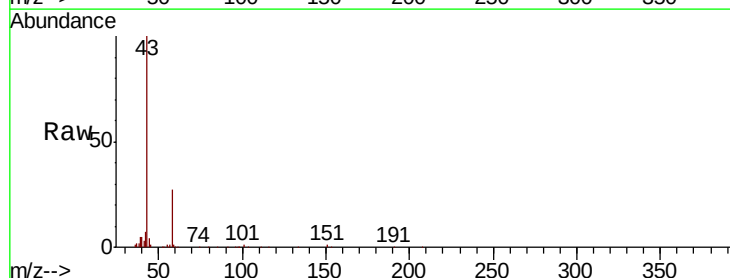
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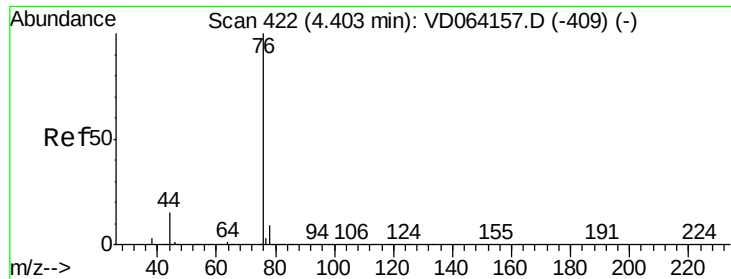
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#16
 Acetone
 Concen: 237.493 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.4	24.1	36.1





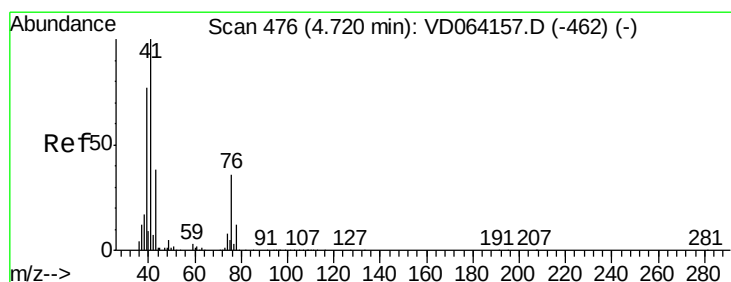
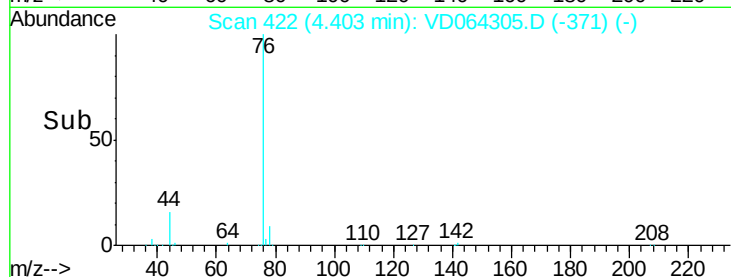
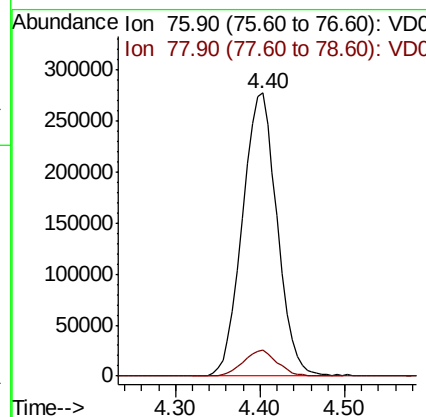
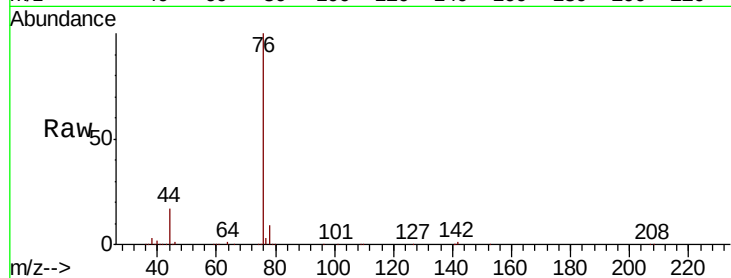
#17
Carbon Disulfide
Concen: 45.015 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

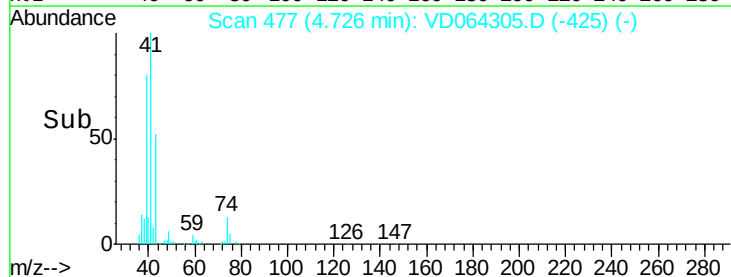
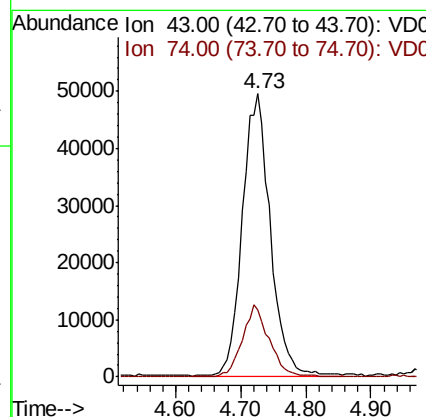
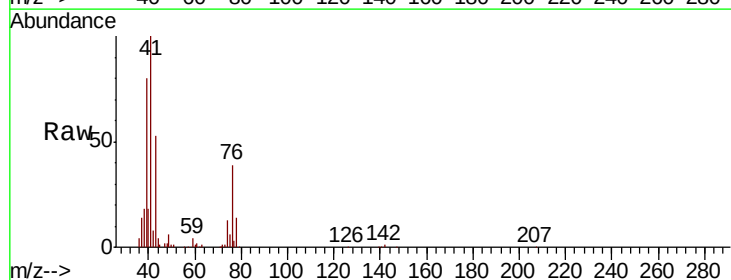
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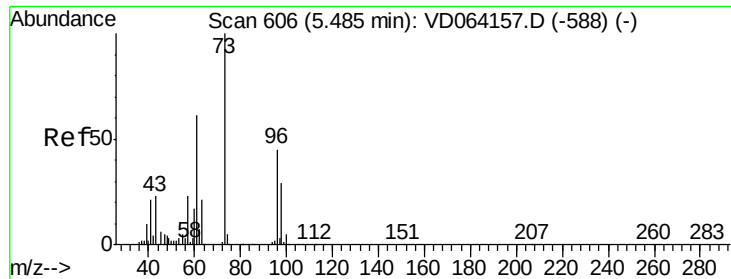
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#18
Methyl Acetate
Concen: 40.729 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.4	27.6





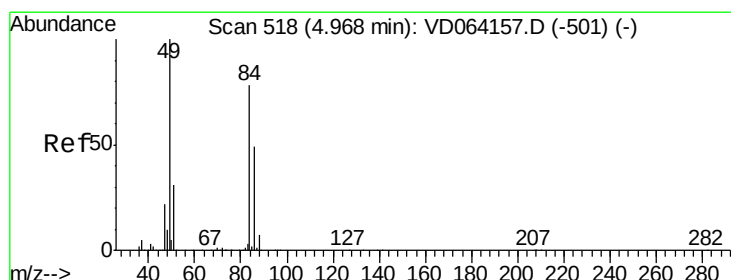
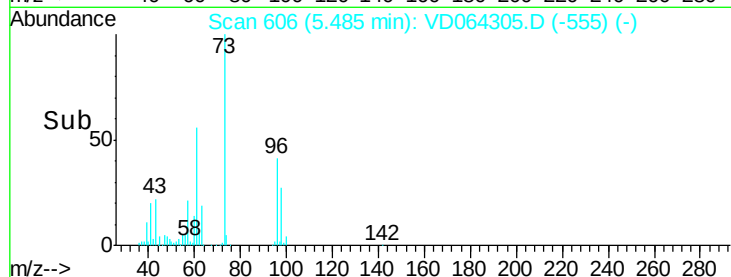
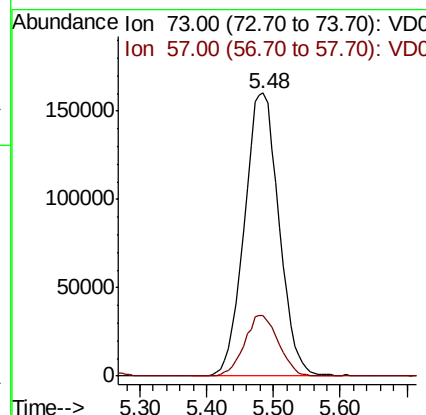
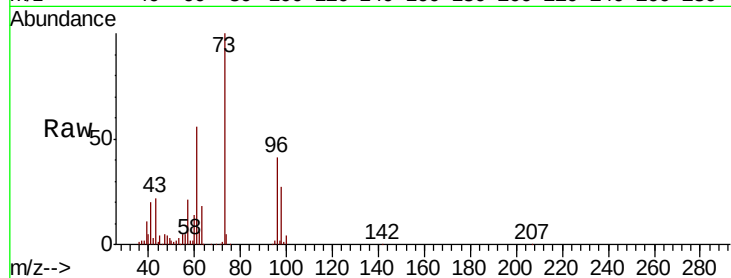
#19
Methyl tert-butyl Ether
Concen: 42.424 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 571514
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6

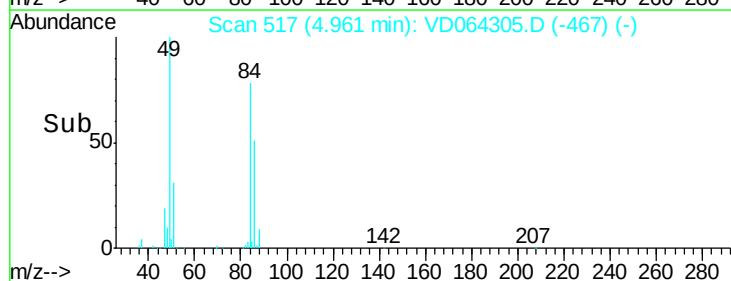
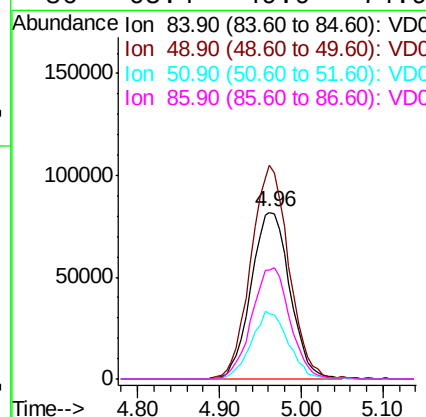
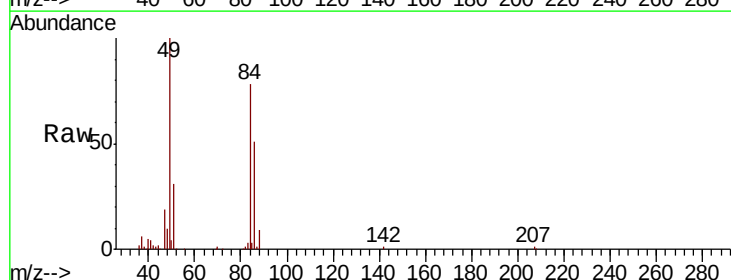
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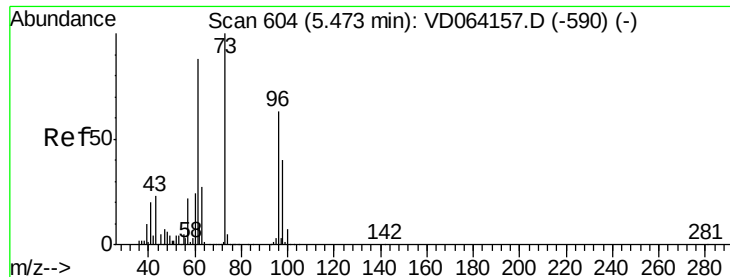
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#20
Methylene Chloride
Concen: 40.960 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion: 84 Resp: 270729
Ion Ratio Lower Upper
84 100
49 128.2 102.1 153.1
51 39.4 32.2 48.2
86 65.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 47.235 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

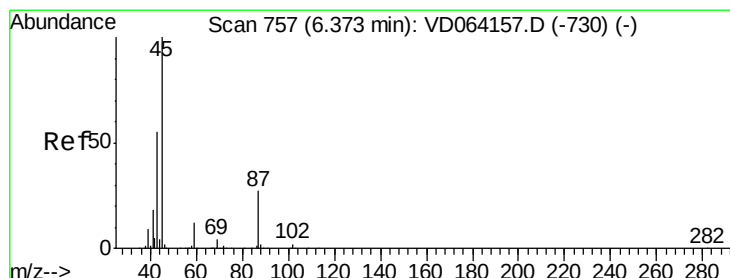
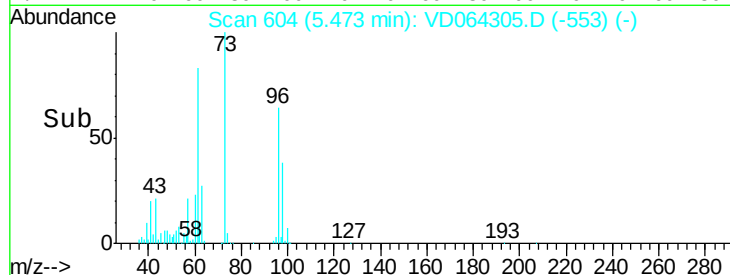
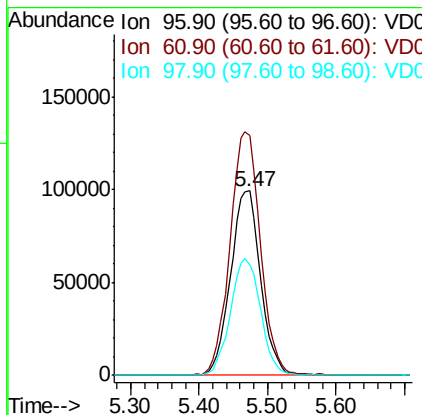
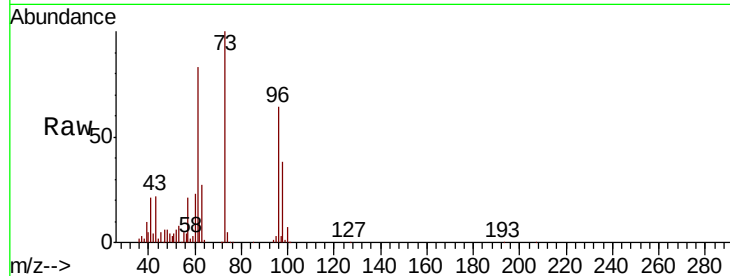
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	301992
Ion	Ratio	Lower	Upper
96	100		
61	129.9	111.8	167.6
98	59.7	50.3	75.5

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#22

Diisopropyl ether

Concen: 43.514 ug/l

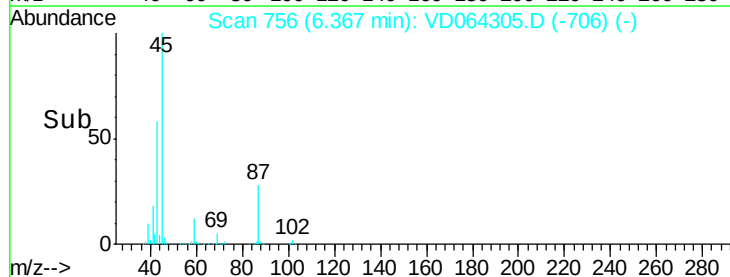
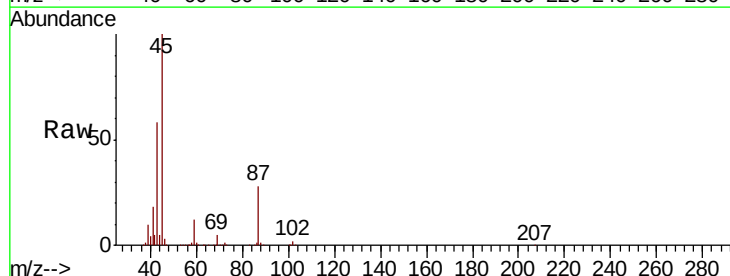
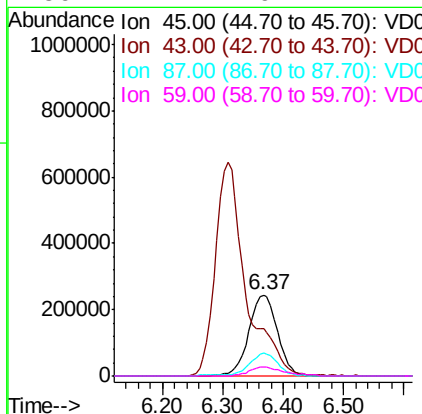
RT: 6.37 min Scan# 756

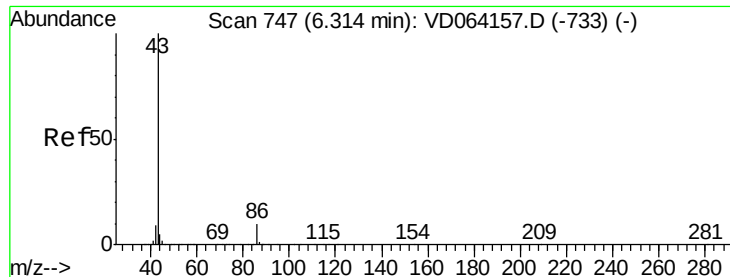
Delta R.T. -0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	45	Resp:	805545
Ion	Ratio	Lower	Upper
45	100		
43	57.8	44.4	66.6
87	28.2	21.9	32.9
59	11.4	9.4	14.2





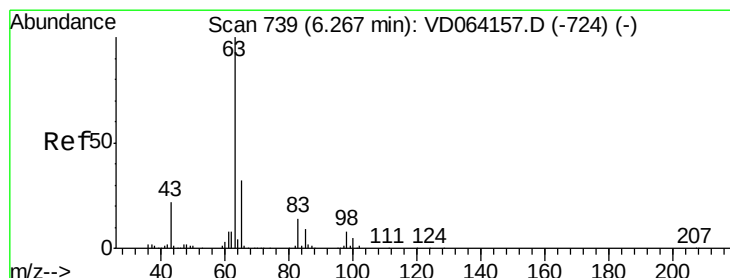
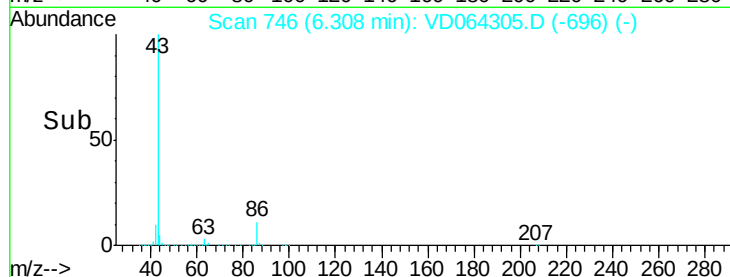
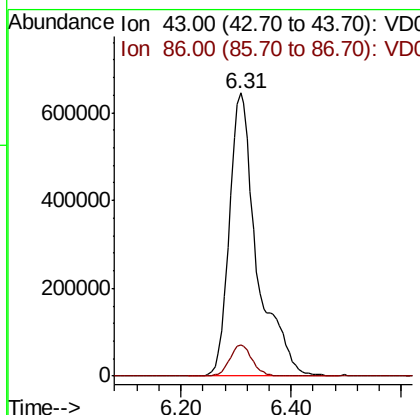
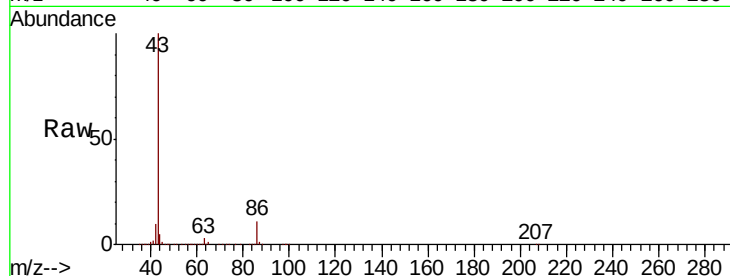
#23
 Vinyl Acetate
 Concen: 218.727 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2257115
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.2 12.2

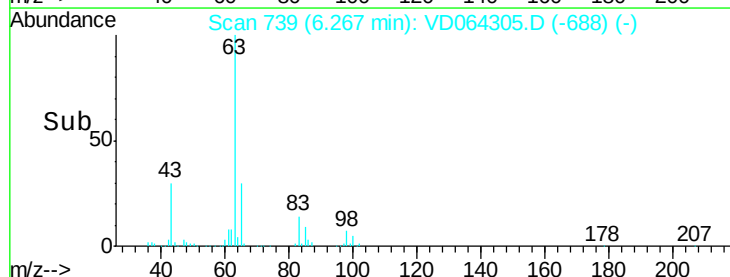
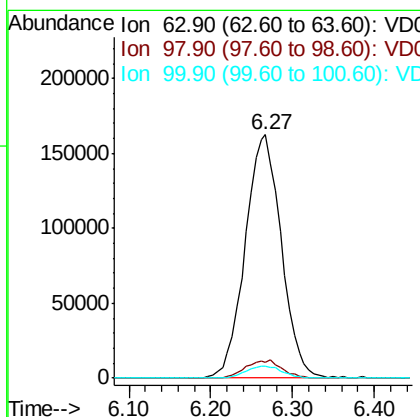
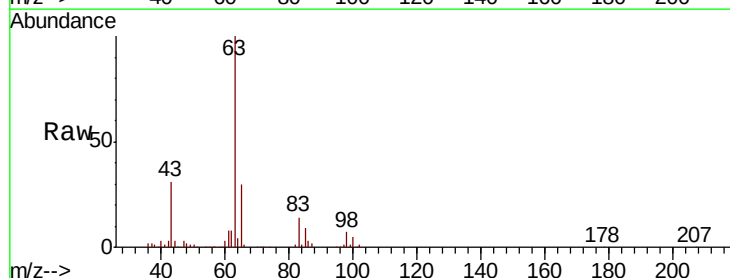
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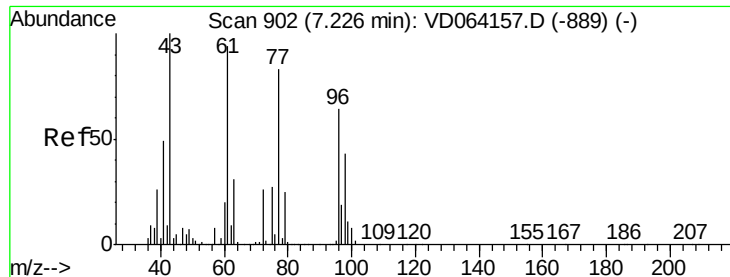
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#24
 1,1-Dichloroethane
 Concen: 46.357 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion: 63 Resp: 498286
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.8 11.4
 100 5.0 2.4 7.2





#25

2-Butanone

Concen: 210.934 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 356579

Ion Ratio Lower Upper

43 100

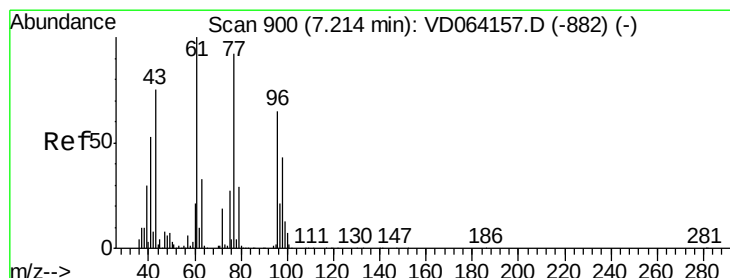
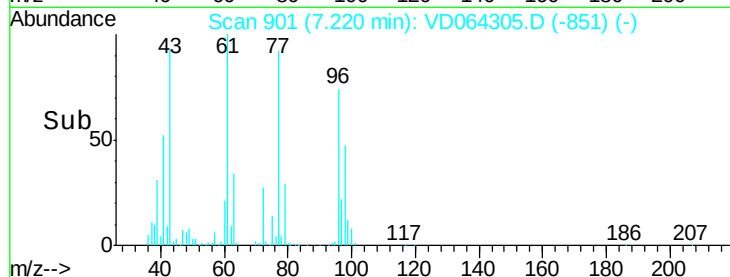
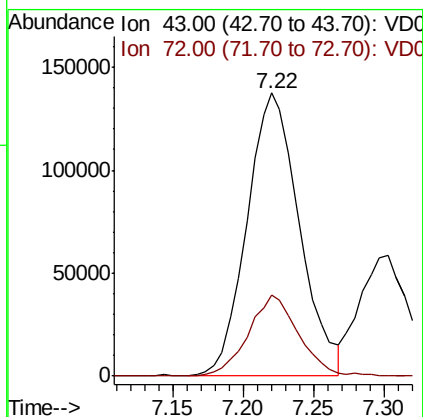
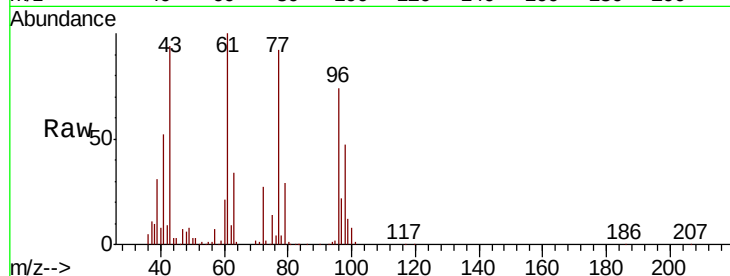
72 28.6 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.012 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064305.D

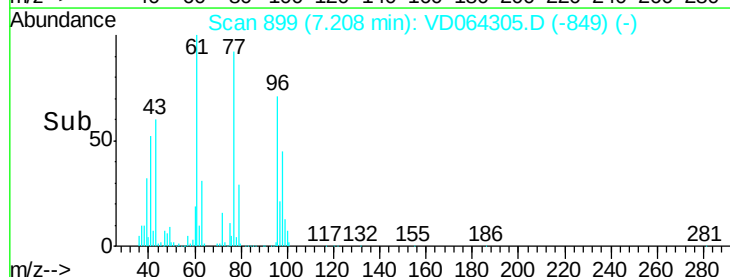
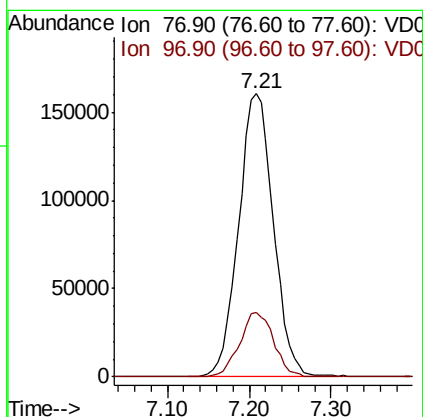
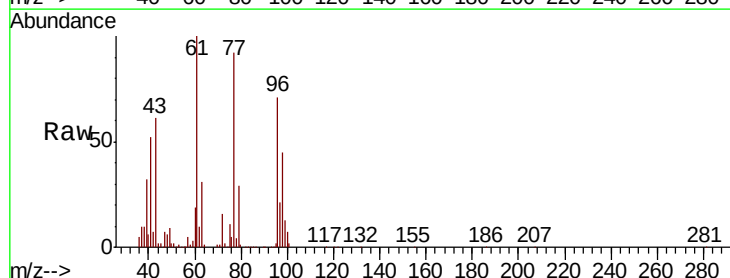
Acq: 20 Nov 2019 10:59

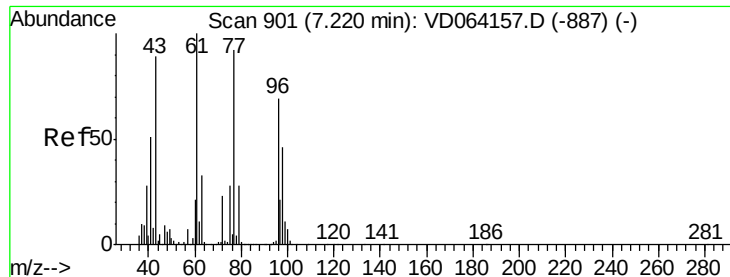
Tgt Ion: 77 Resp: 474487

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

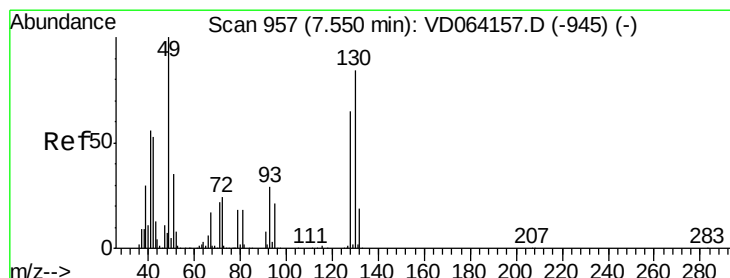
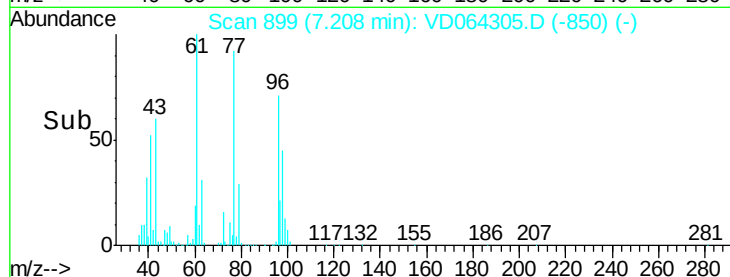
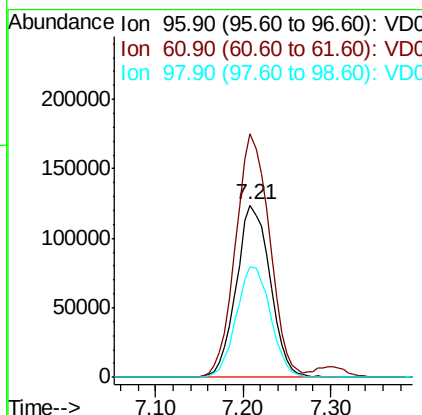
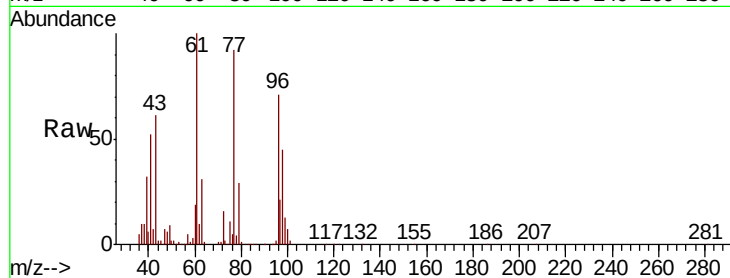
cis-1,2-Dichloroethene
Concen: 47.432 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.2	0.0	301.4	
98	65.4	0.0	133.2	

Manual Integrations
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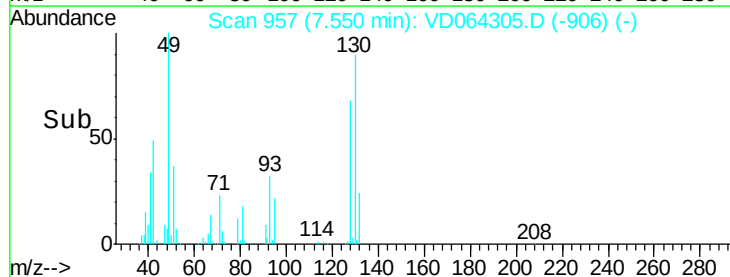
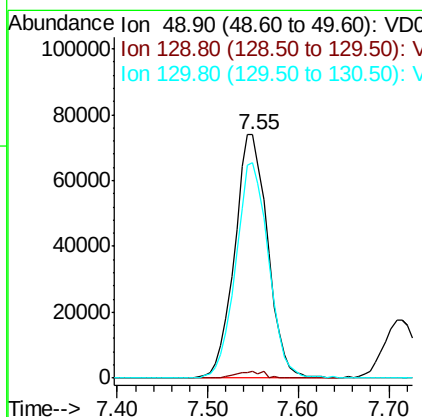
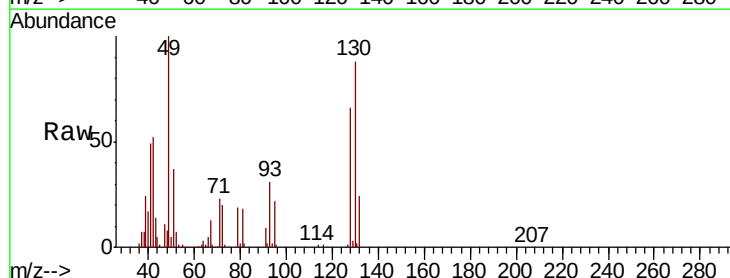
MMDadoda
11/22/2019 12:52:14 AM

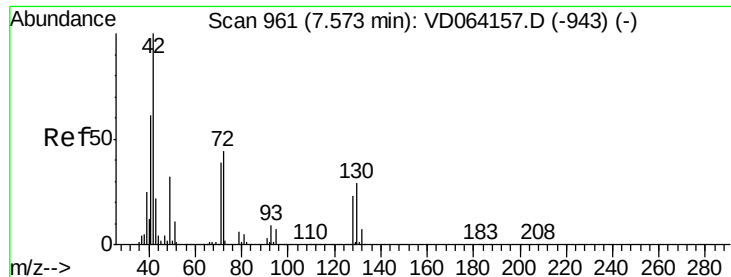


#28

Bromochloromethane
Concen: 50.240 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	87.5	66.8	100.2	





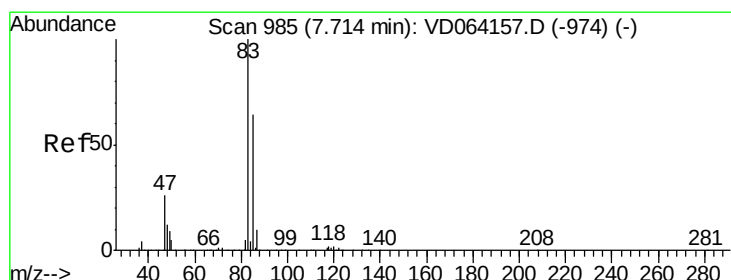
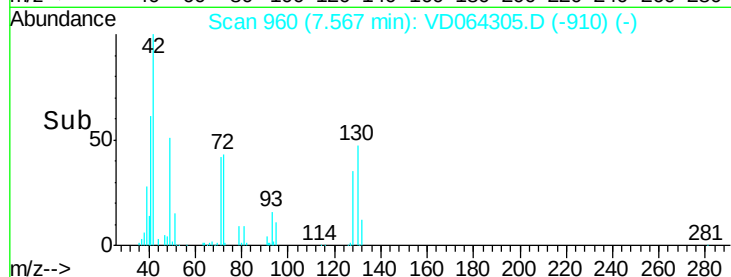
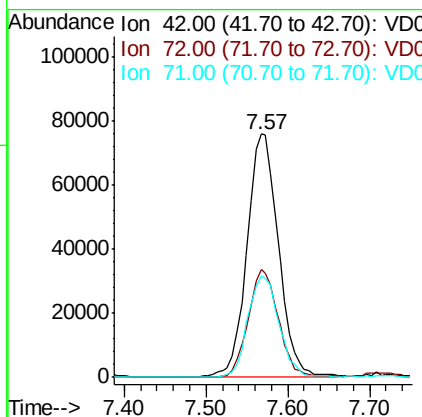
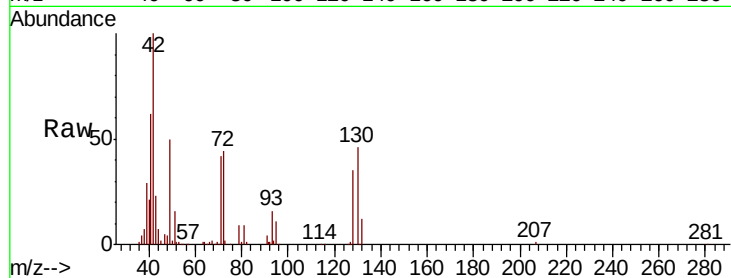
#29
Tetrahydrofuran
Concen: 201.045 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.2
71	41.3	31.0	46.4

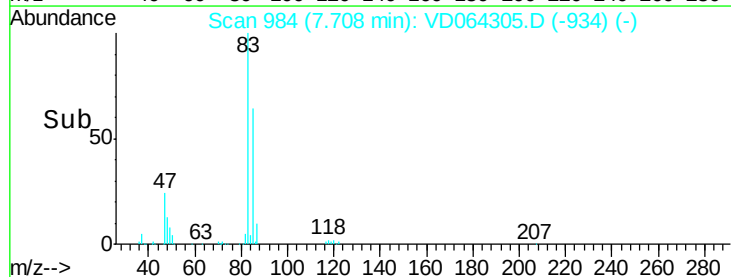
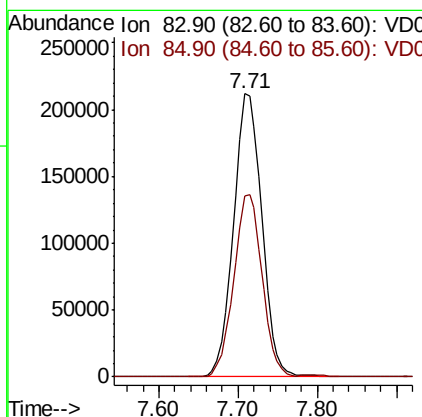
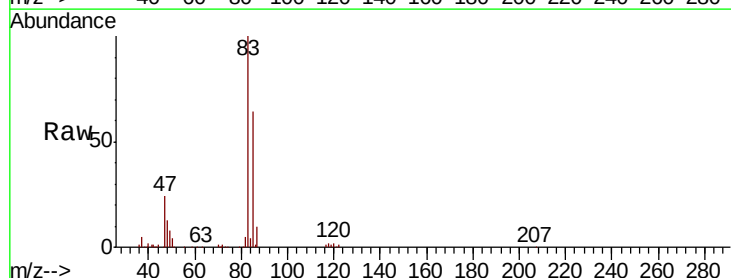
Manual Integrations
APPROVED

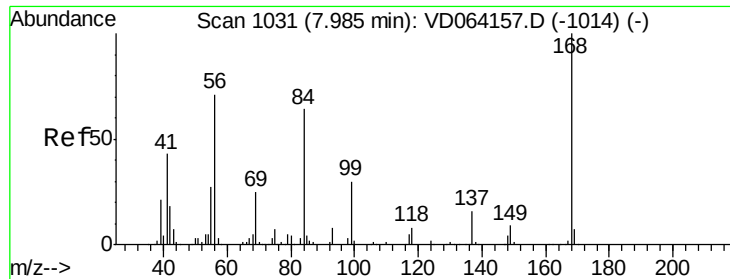
MMDadoda
11/22/2019 12:52:14 AM



#30
Chloroform
Concen: 47.798 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0





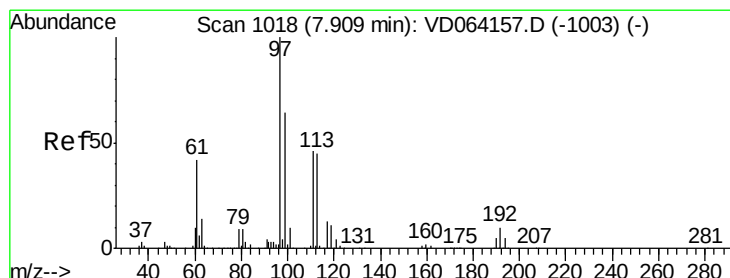
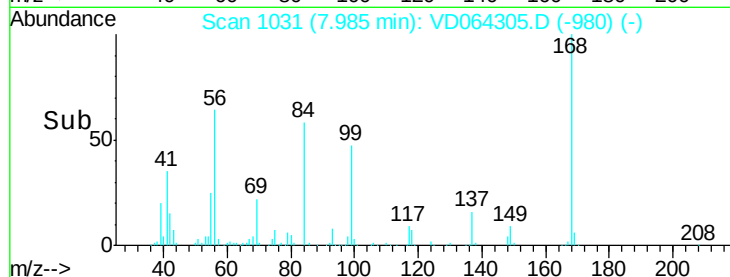
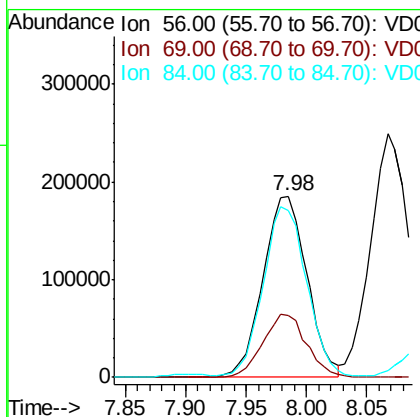
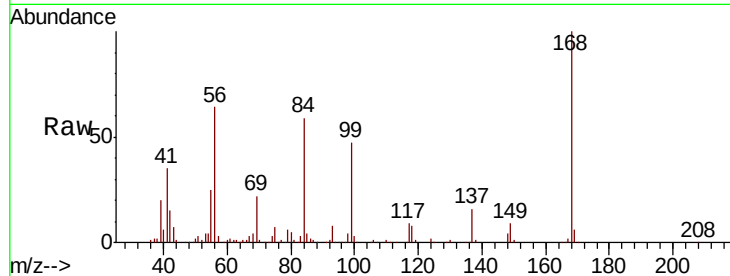
#31
Cyclohexane
Concen: 43.046 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		466635		
69	34.1	28.2	42.4		
84	90.4	71.8	107.6		

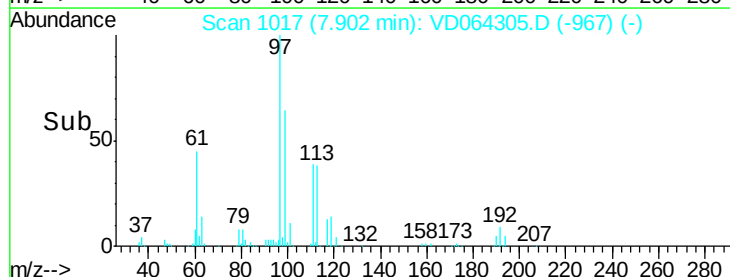
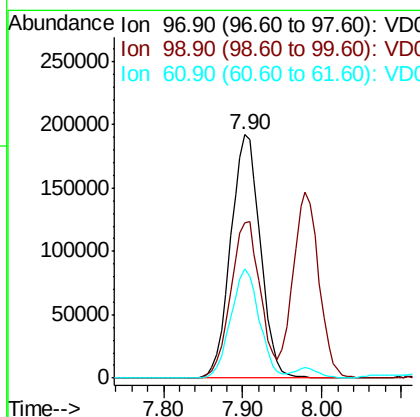
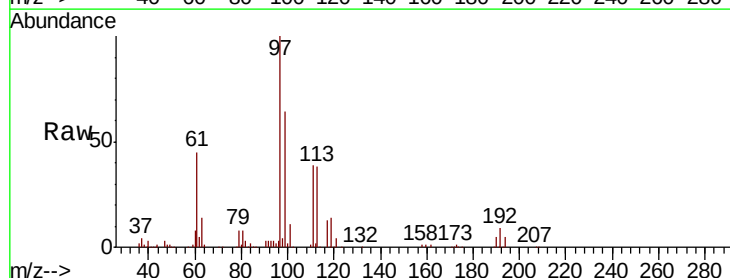
Manual Integrations
APPROVED

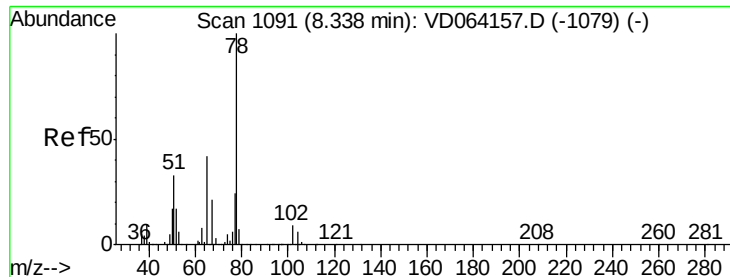
MMDadoda
11/22/2019 12:52:14 AM



#32
1,1,1-Trichloroethane
Concen: 47.150 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		496398		
99	64.4	51.6	77.4		
61	43.3	34.2	51.2		





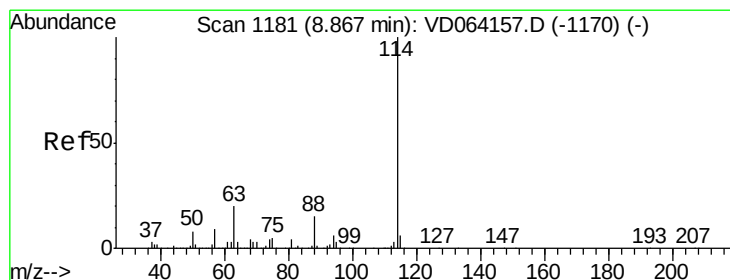
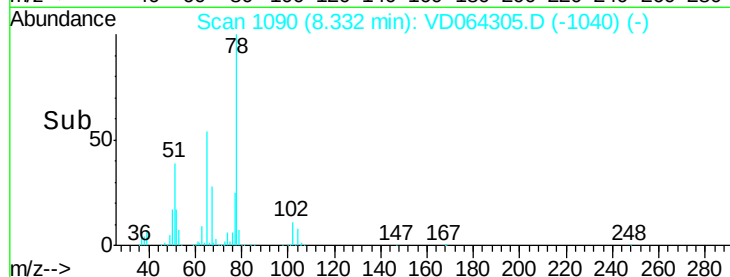
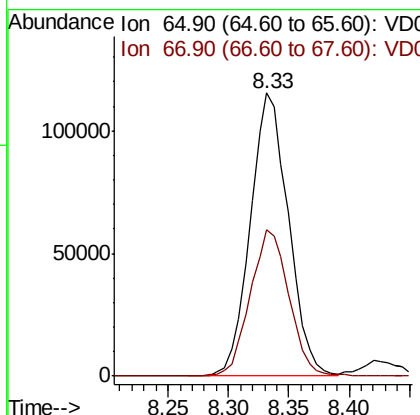
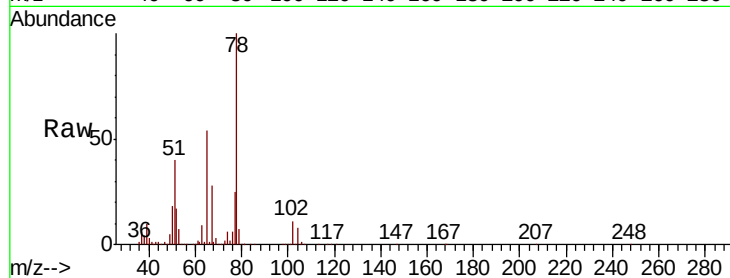
#33
 1,2-Dichloroethane-d4
 Concen: 45.813 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.4

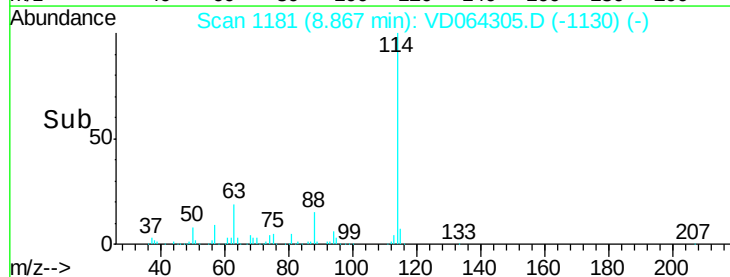
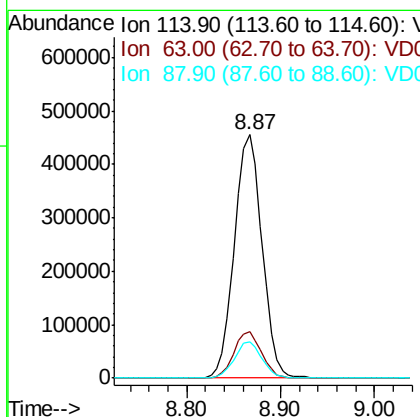
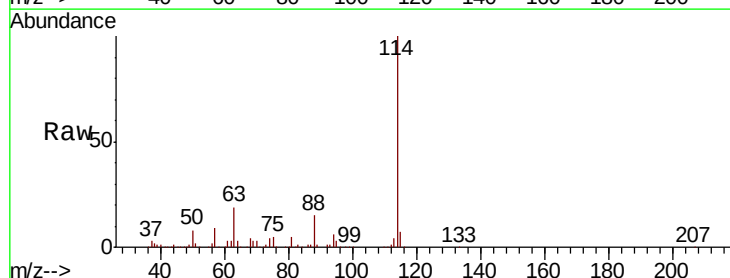
Manual Integrations
 APPROVED

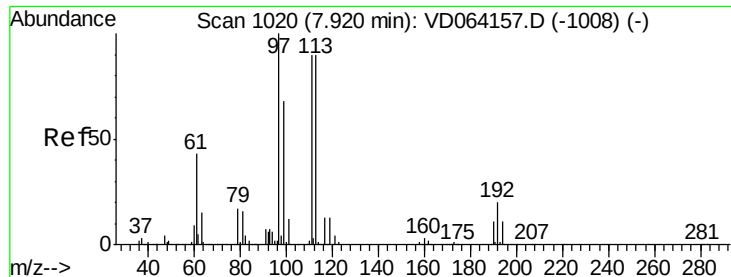
MMDadoda
 11/22/2019 12:52:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.0
88	14.9	0.0	30.2





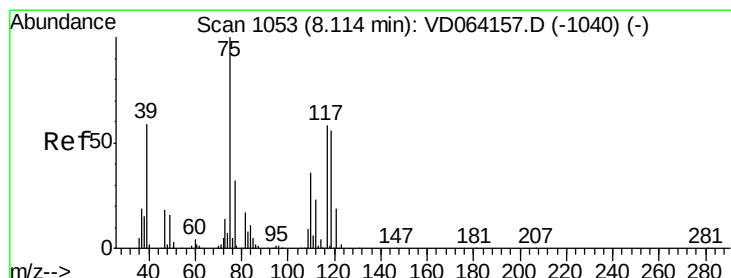
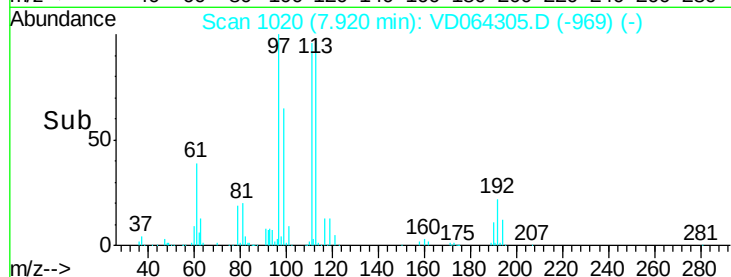
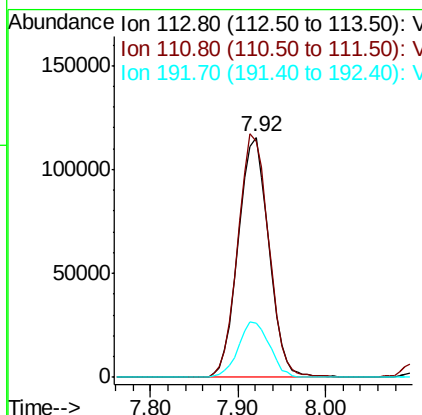
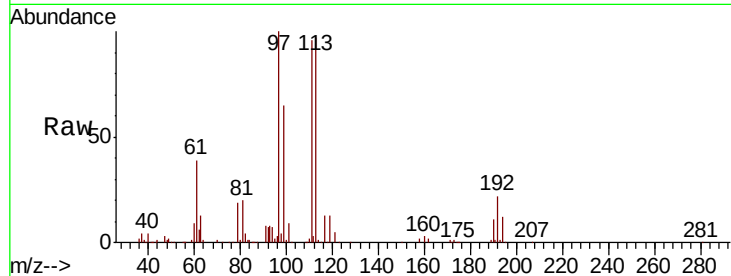
#35
Dibromofluoromethane
Concen: 51.192 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	273764		
111	102.6	81.5	122.3	
192	23.4	18.8	28.2	

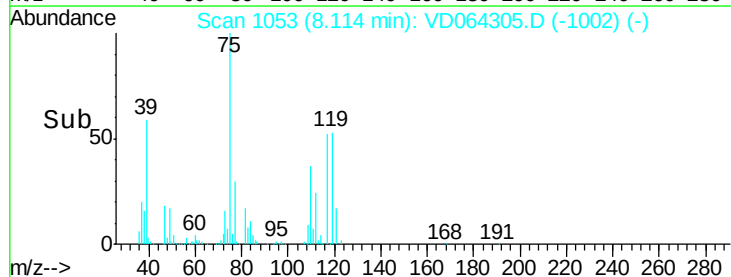
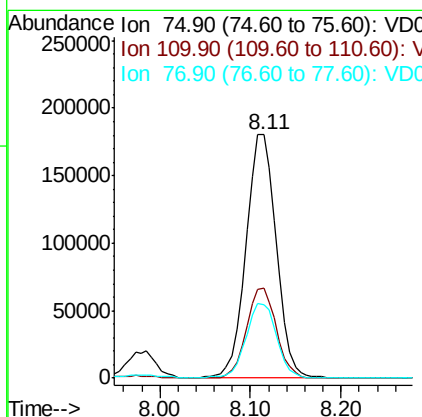
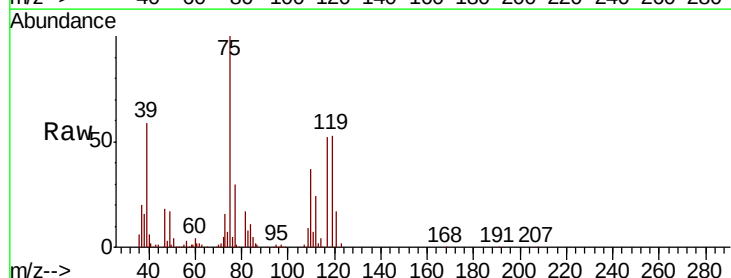
Manual Integrations
APPROVED

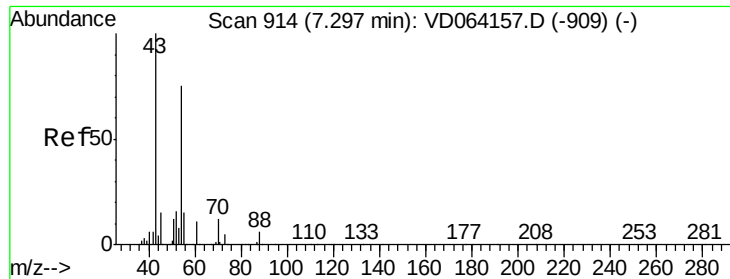
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#36
1,1-Dichloropropene
Concen: 48.391 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	416077		
110	36.6	18.3	54.9	
77	31.4	25.0	37.6	





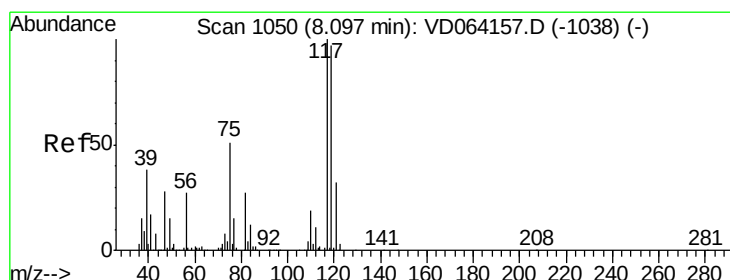
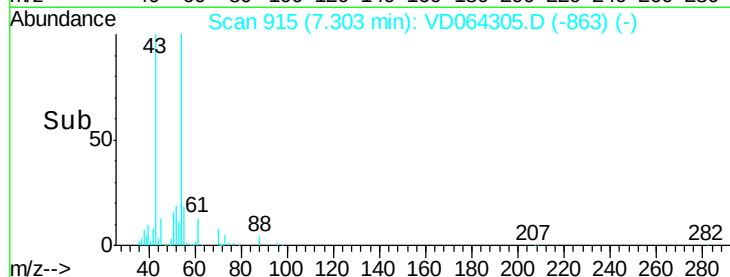
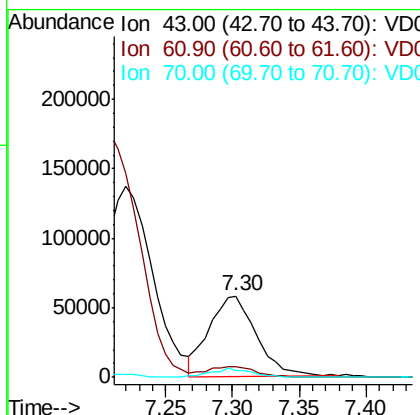
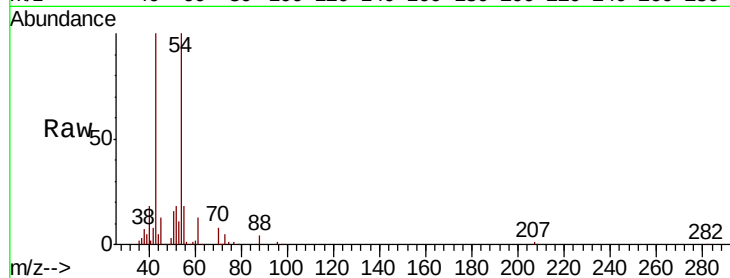
#37
Ethyl Acetate
Concen: 39.067 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.2	15.2
70	10.1	8.5	12.7

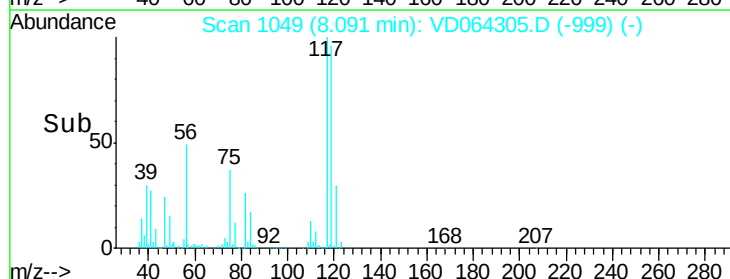
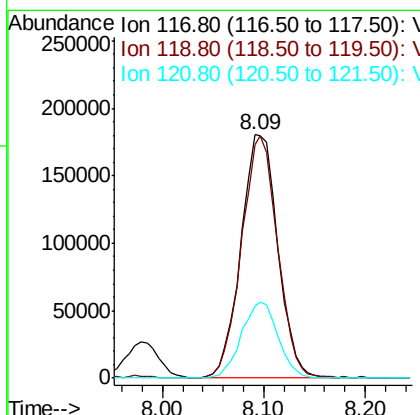
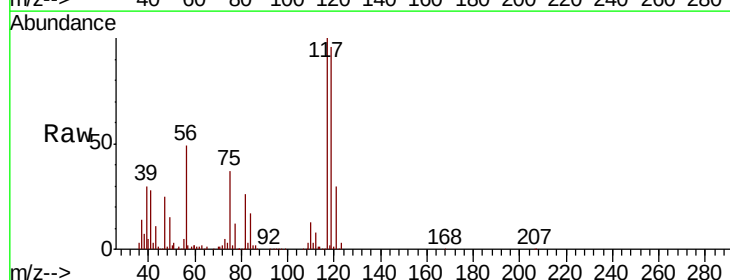
Manual Integrations
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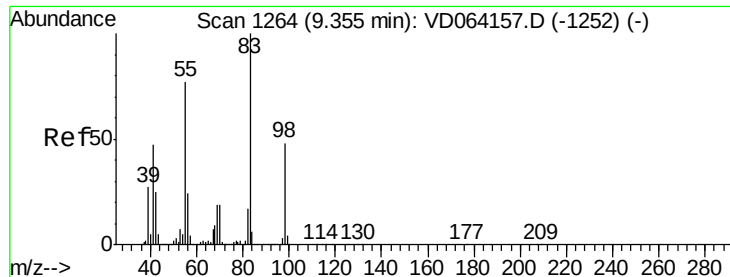
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#38
Carbon Tetrachloride
Concen: 49.323 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.2	115.8
121	29.7	25.5	38.3





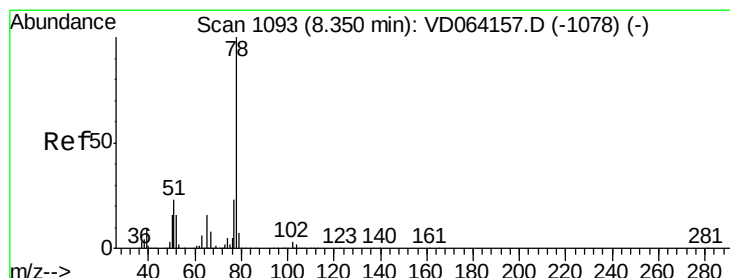
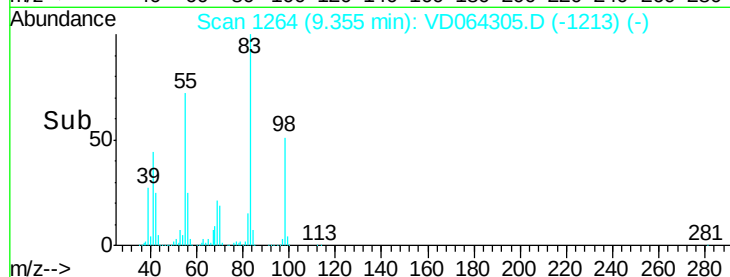
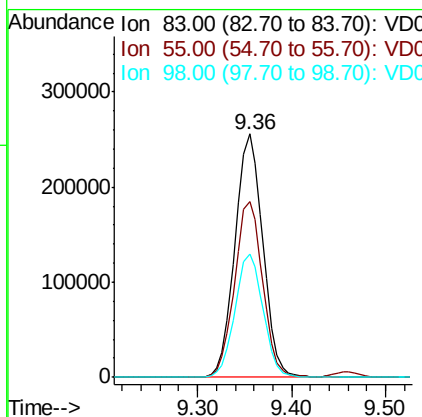
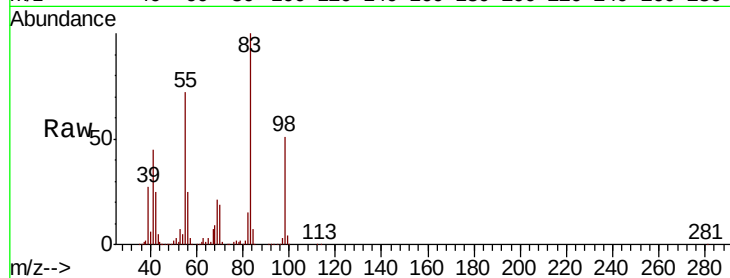
#39
Methylvlcyclohexane
Concen: 48.360 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	61.7	92.5
98	50.6	38.6	58.0

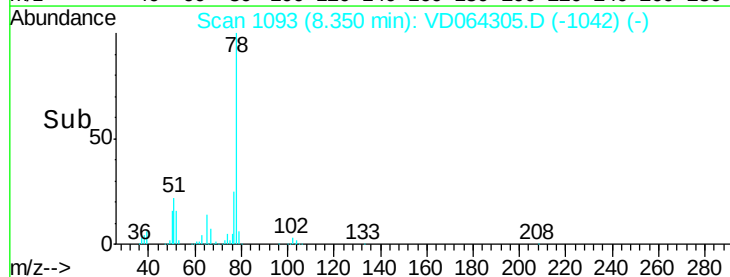
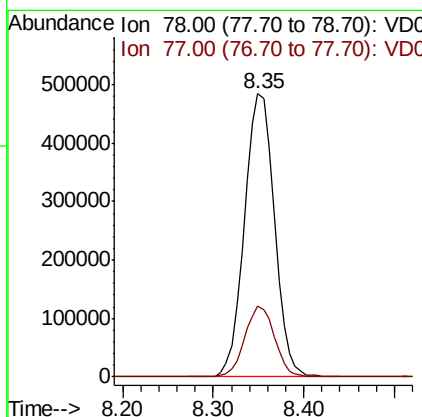
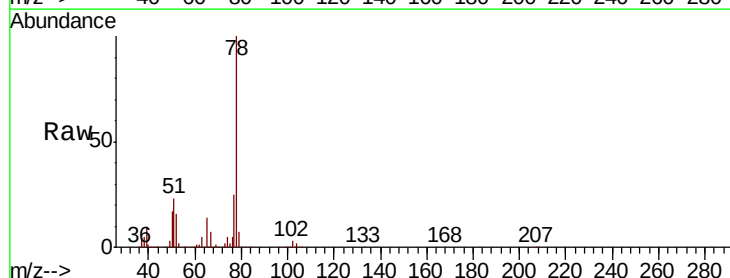
Manual Integrations
APPROVED

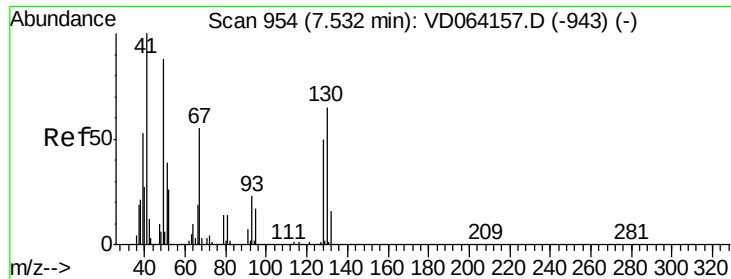
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#40
Benzene
Concen: 47.456 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.6	28.0





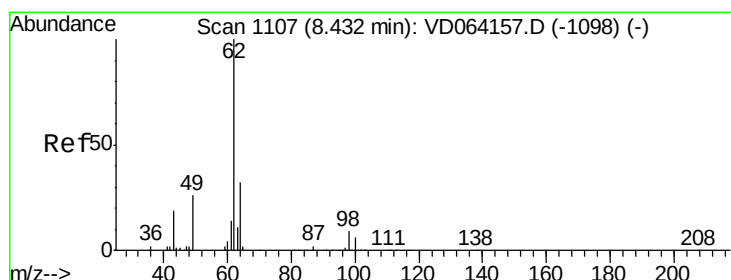
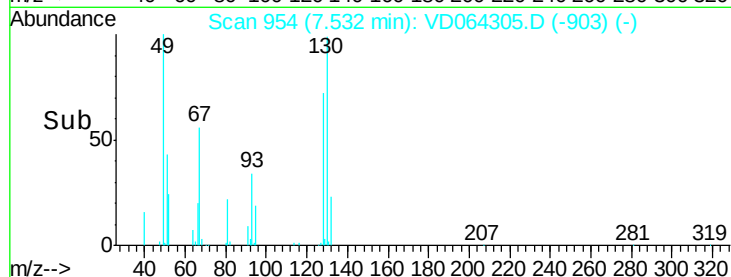
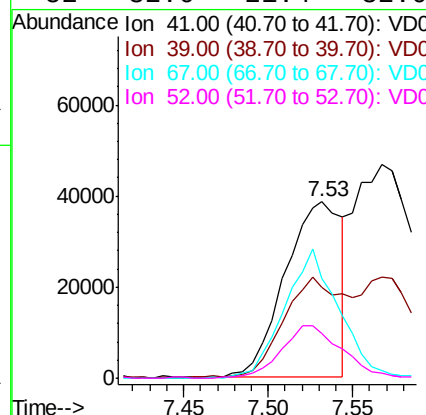
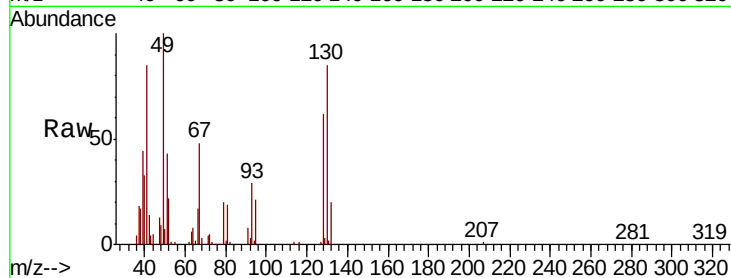
#41
Methacrylonitrile
Concen: 39.360 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.8	49.4	74.2
67	71.3	49.6	74.4
52	32.6	21.4	32.0#

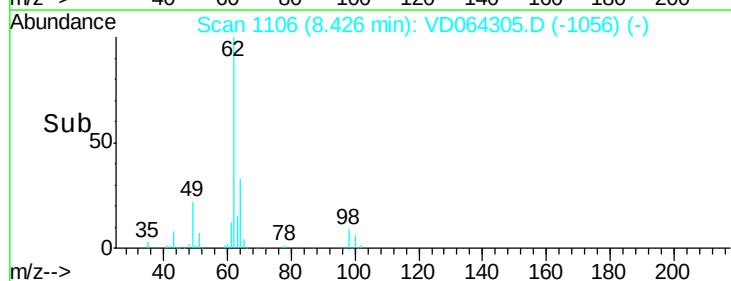
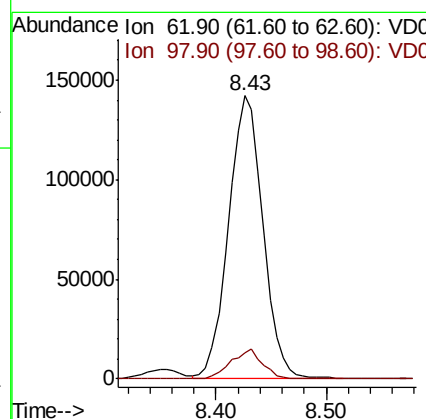
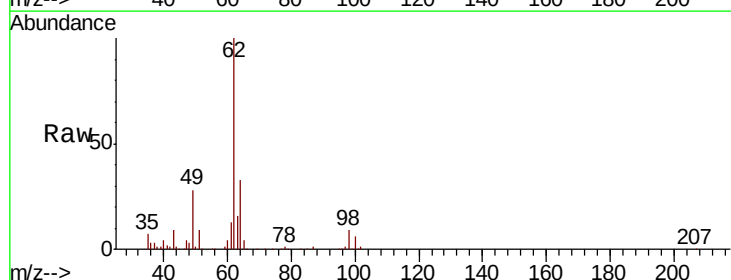
Manual Integrations
APPROVED

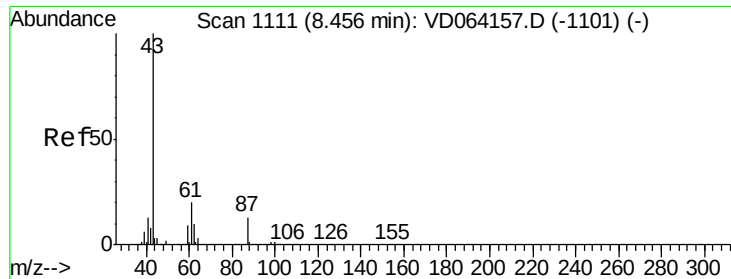
MMDadoda
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#42
1,2-Dichloroethane
Concen: 43.789 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 40.658 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

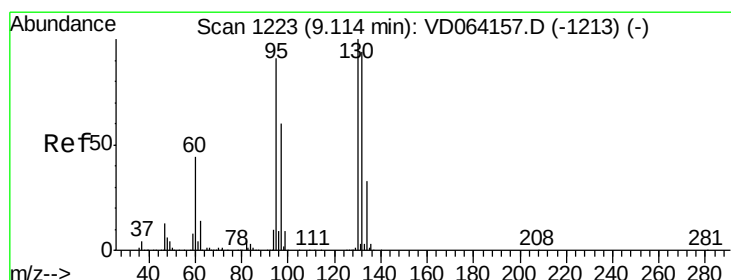
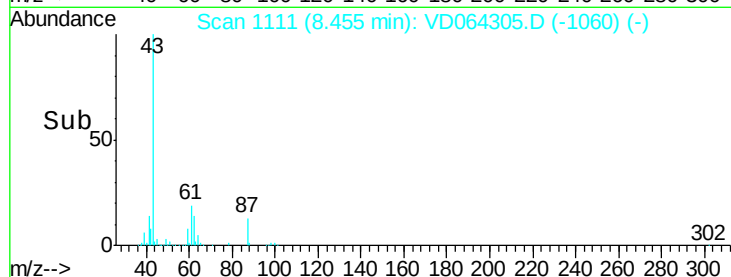
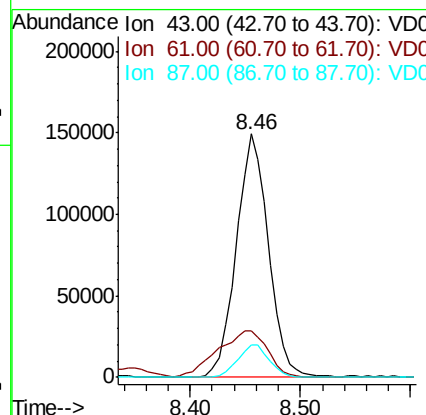
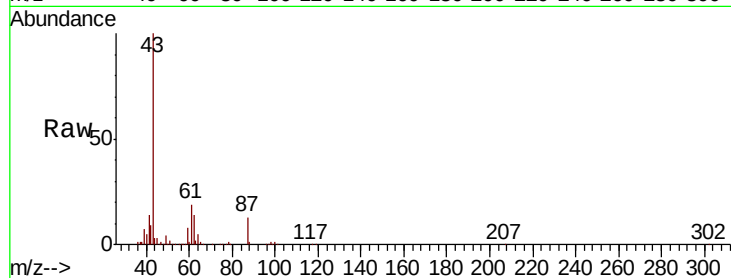
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	303656
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	13.3	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 48.823 ug/l

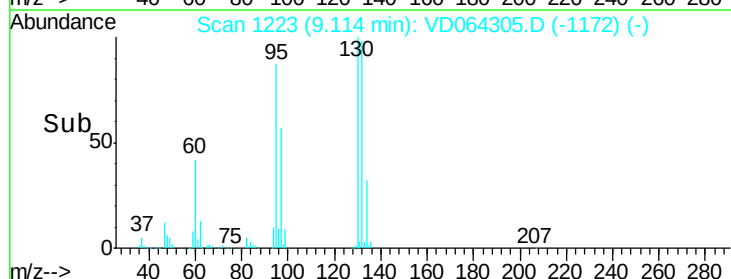
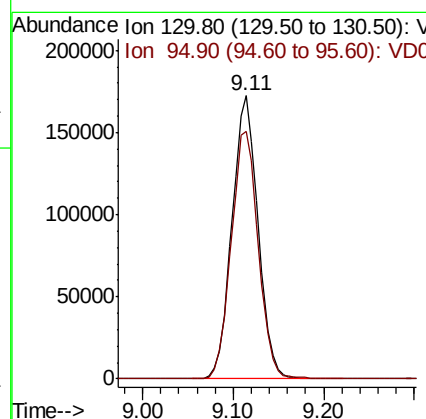
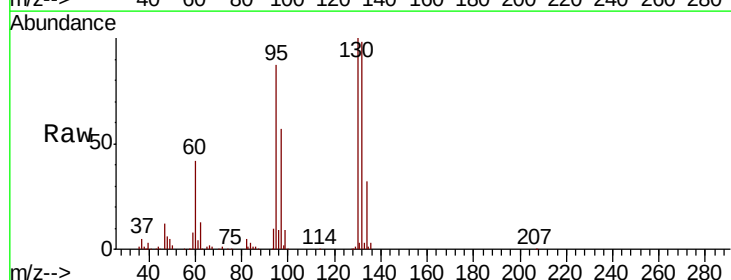
RT: 9.11 min Scan# 1223

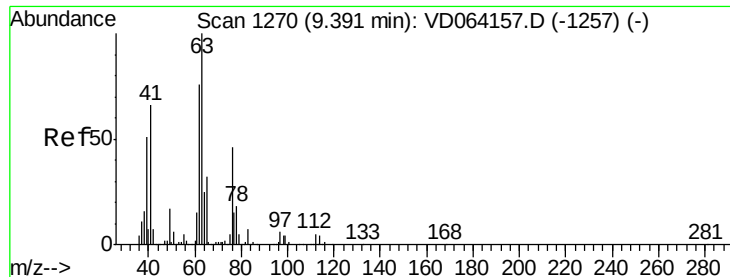
Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	130	Resp:	344340
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	181.6





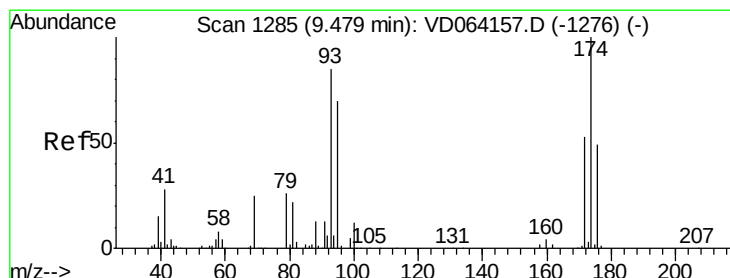
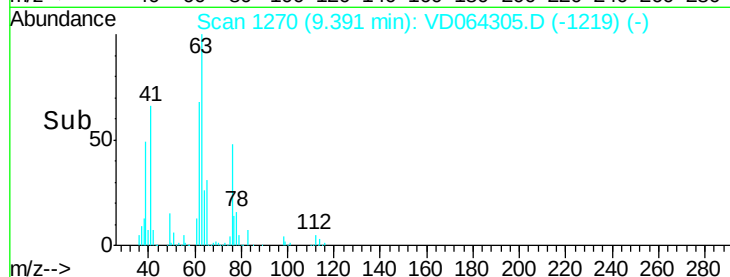
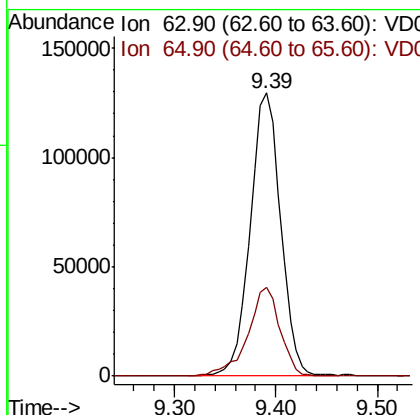
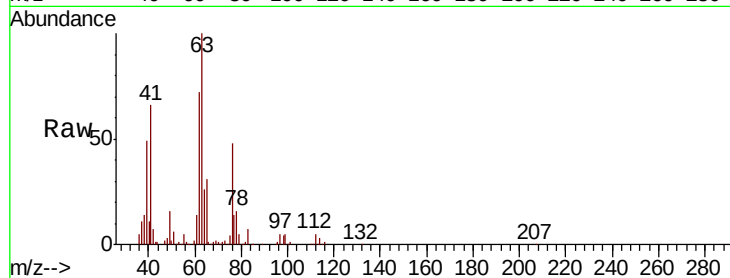
#45
 1,2-Dichloropropane
 Concen: 47.319 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.7	38.5

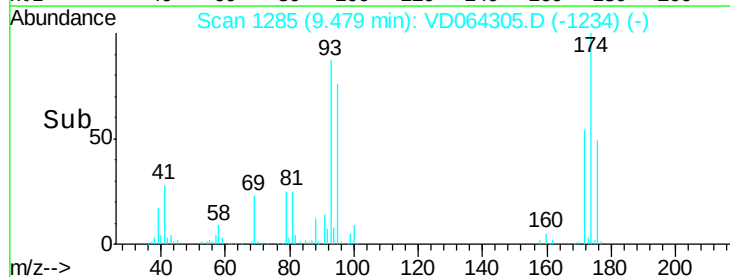
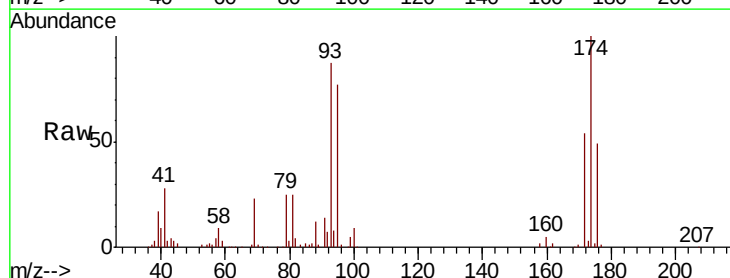
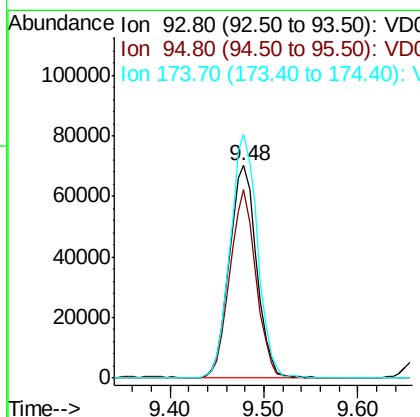
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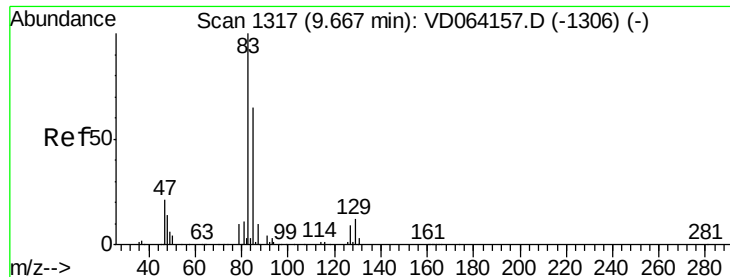
MMDadoda
 11/22/2019 12:52:14 AM



#46
 Dibromomethane
 Concen: 46.310 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.5	98.3
174	114.9	93.9	140.9





#47

Bromodichloromethane

Concen: 46.850 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

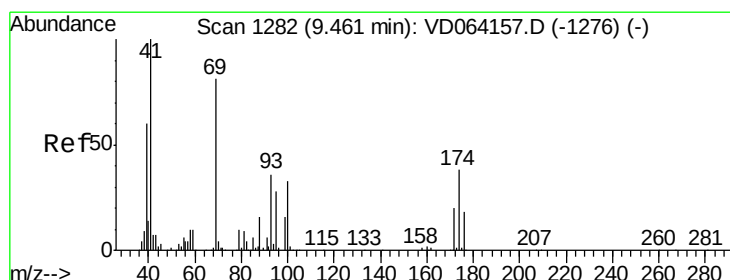
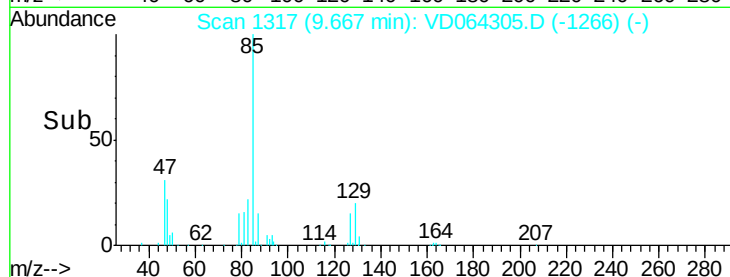
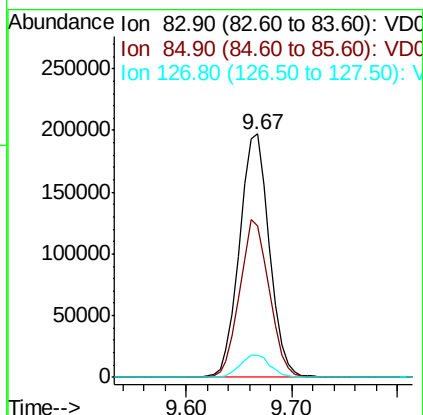
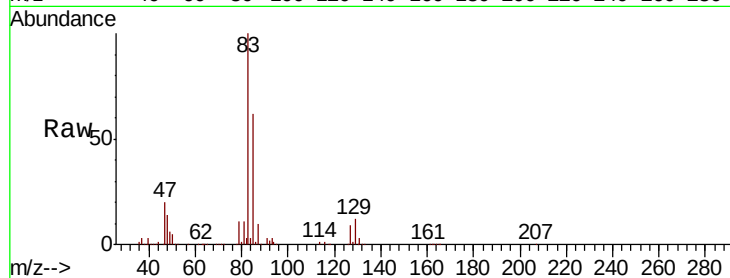
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	386421
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.2	78.4
127	9.3	7.5	11.3

Manual Integrations
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MMDadoda
11/22/2019 12:52:14 AM



#48

Methyl methacrylate

Concen: 38.551 ug/l

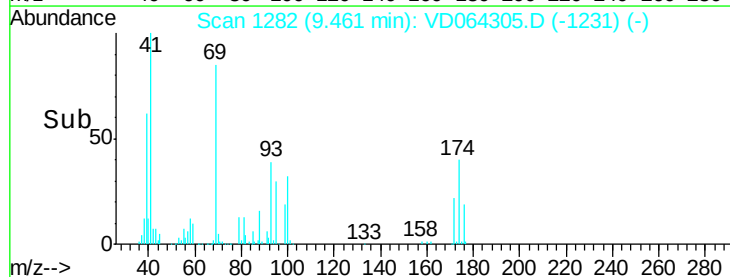
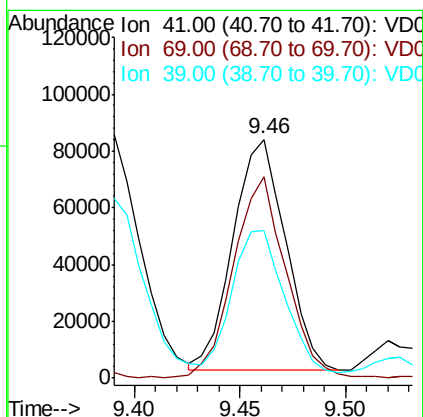
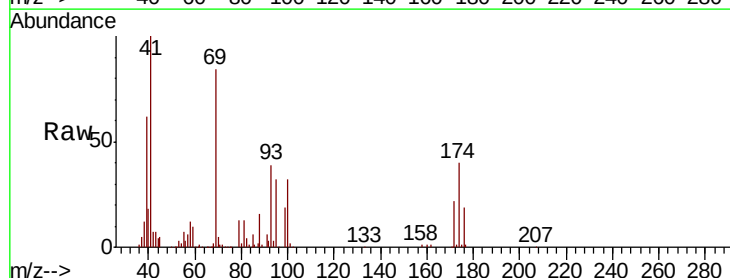
RT: 9.46 min Scan# 1282

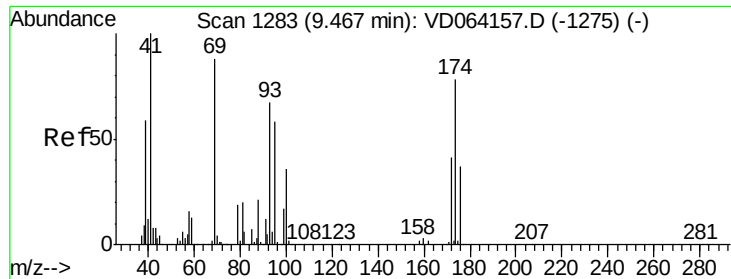
Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	41	Resp:	140789
Ion	Ratio	Lower	Upper
41	100		
69	87.1	64.6	97.0
39	60.9	48.2	72.2





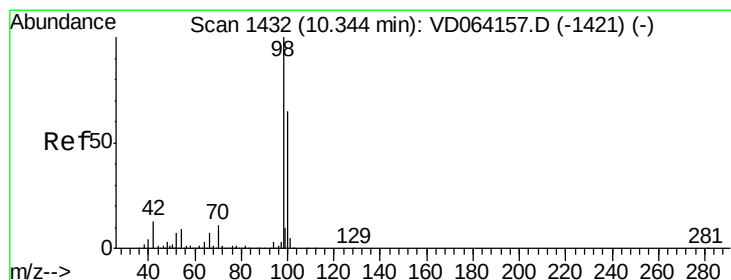
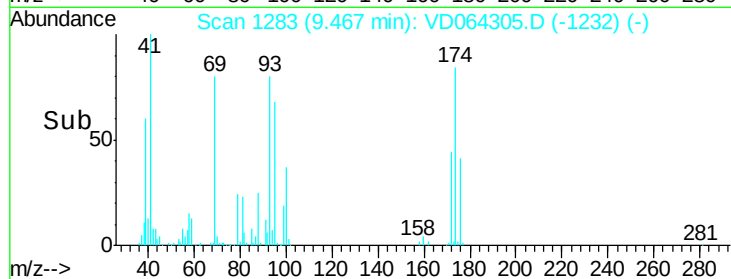
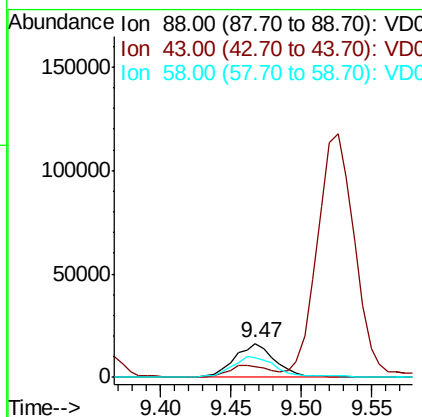
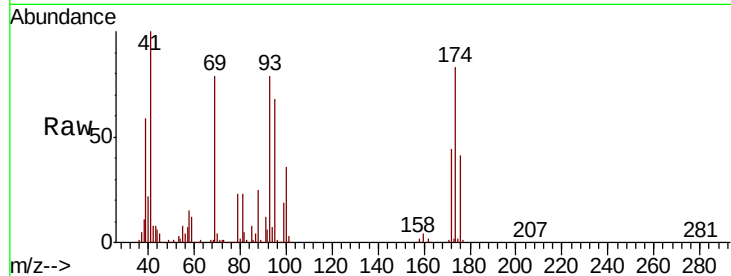
#49
1,4-Dioxane
Concen: 890.029 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.8	44.8
58	69.5	58.1	87.1

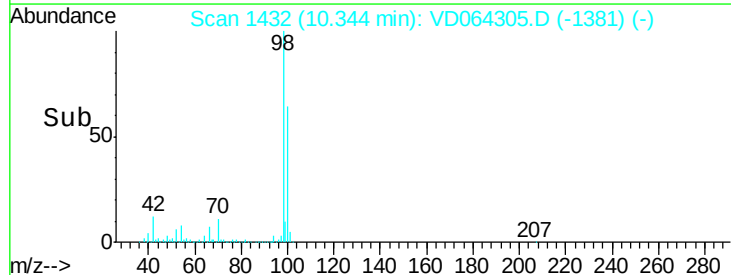
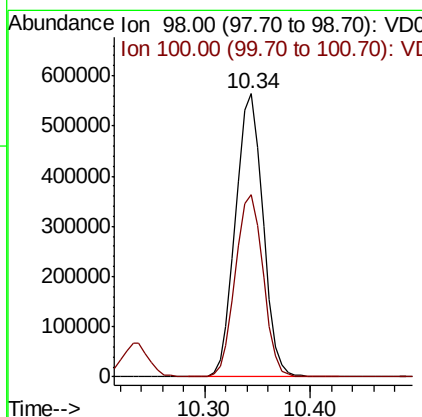
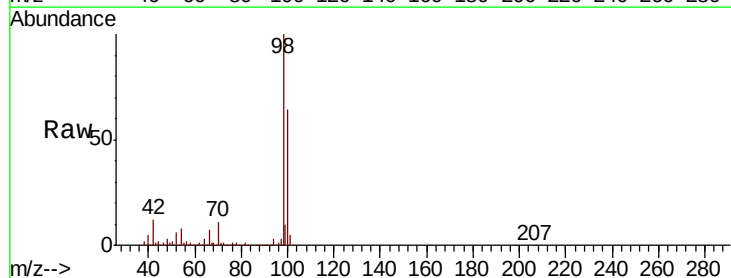
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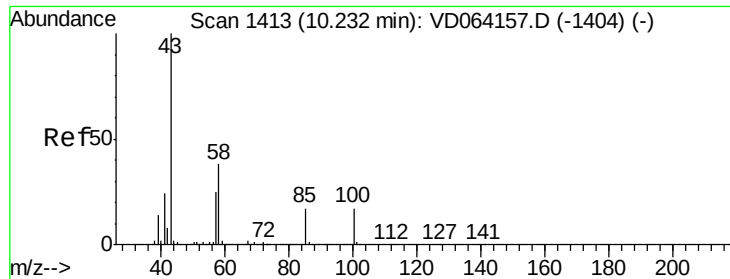
MMDadoda
11/22/2019 12:52:14 AM



#50
Toluene-d8
Concen: 50.513 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8





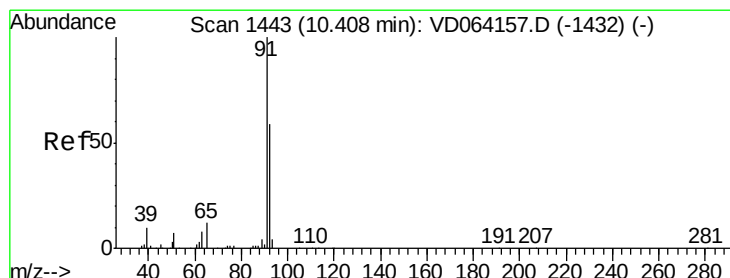
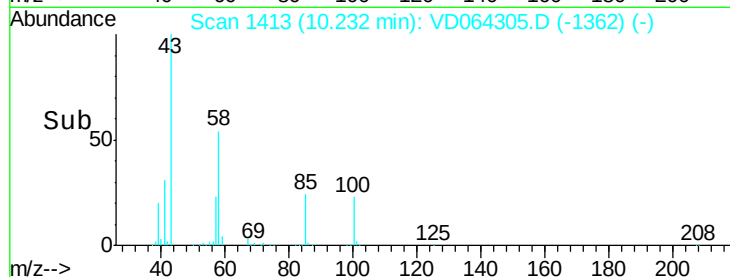
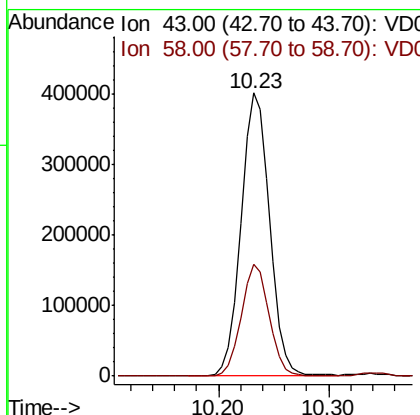
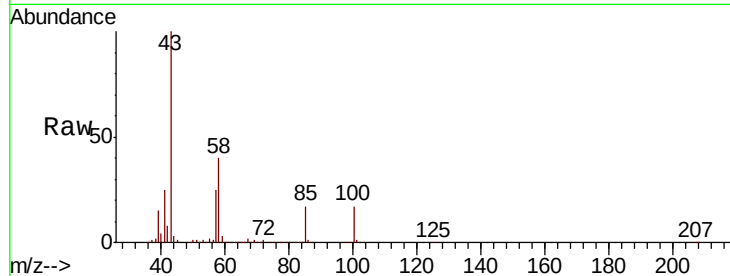
#51
4-Methyl-2-Pentanone
Concen: 203.797 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 729905
Ion Ratio Lower Upper
43 100
58 38.9 30.2 45.4

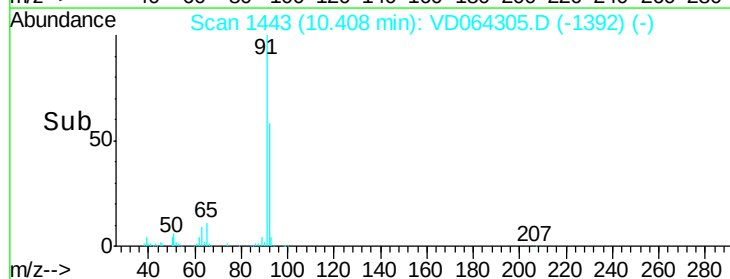
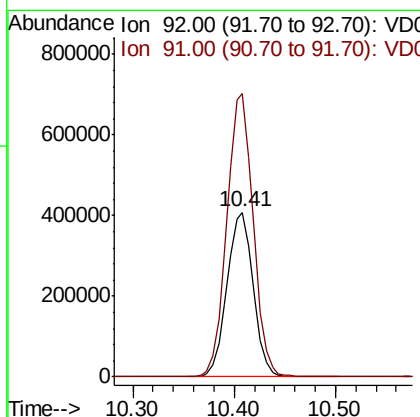
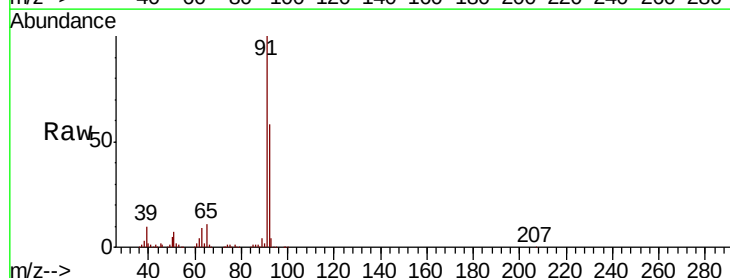
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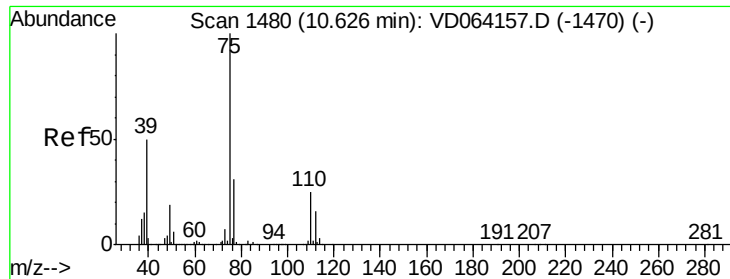
MMDadoda
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#52
Toluene
Concen: 47.382 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion: 92 Resp: 732152
Ion Ratio Lower Upper
92 100
91 172.7 136.4 204.6





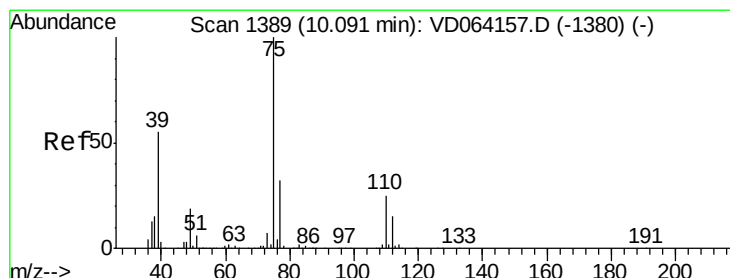
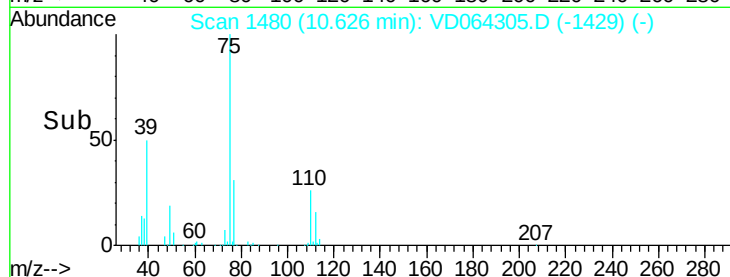
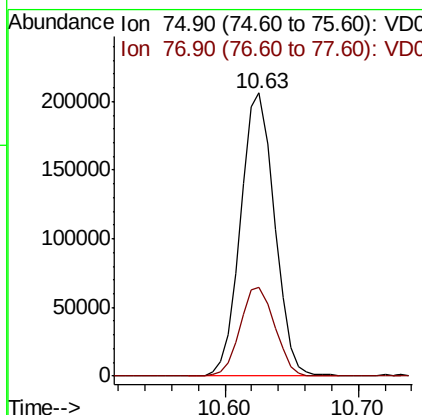
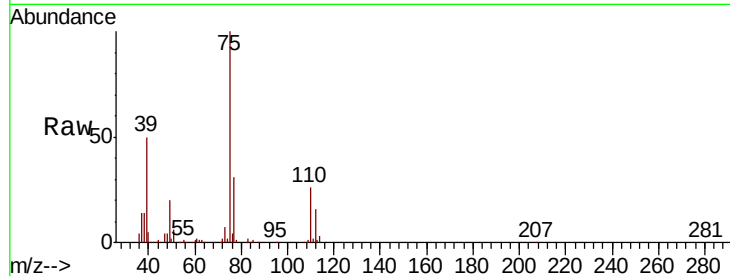
#53
t-1,3-Dichloropropene
Concen: 44.062 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 364090
Ion Ratio Lower Upper
75 100
77 31.3 24.7 37.1

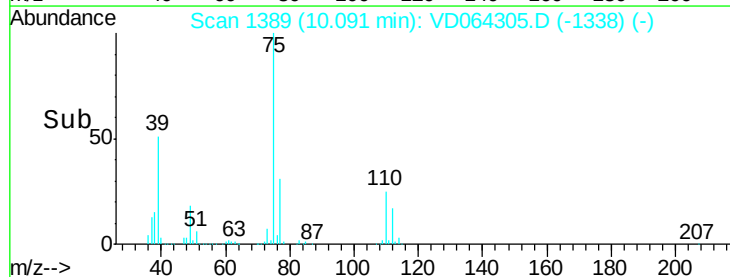
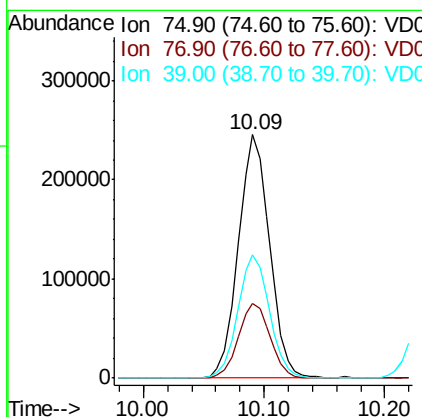
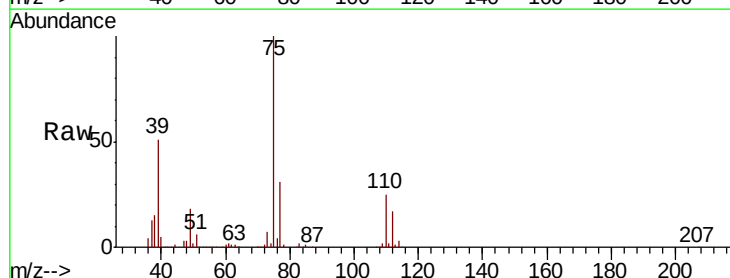
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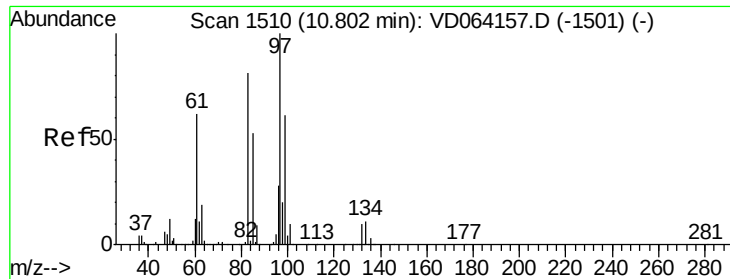
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 45.925 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion: 75 Resp: 442833
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 50.6 44.2 66.2





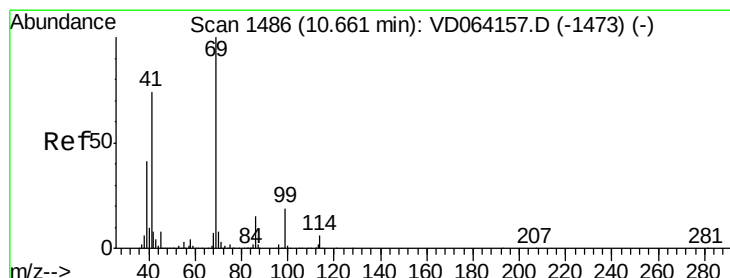
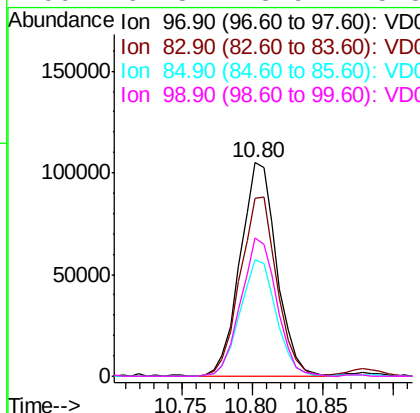
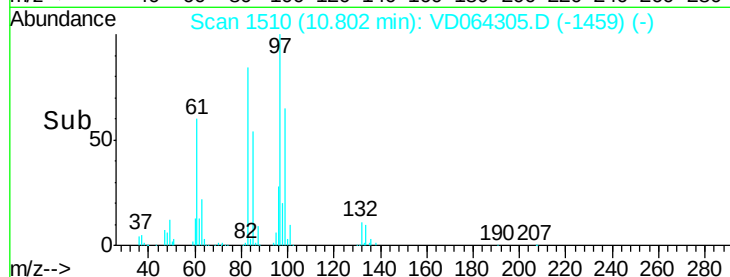
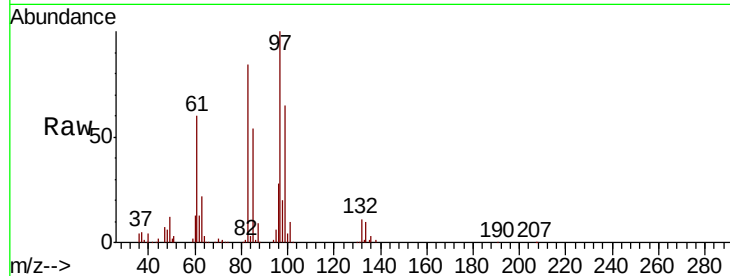
#55
 1,1,2-Trichloroethane
 Concen: 45.814 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	190308
Ion	Ratio	Lower	Upper
97	100		
83	83.6	65.1	97.7
85	54.5	42.0	63.0
99	64.8	48.9	73.3

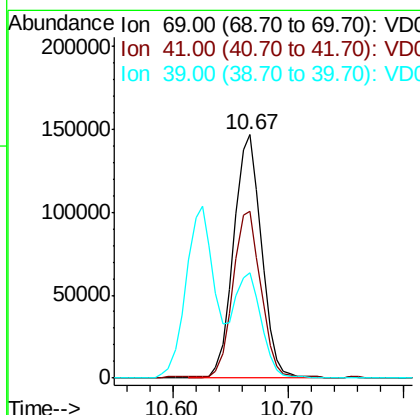
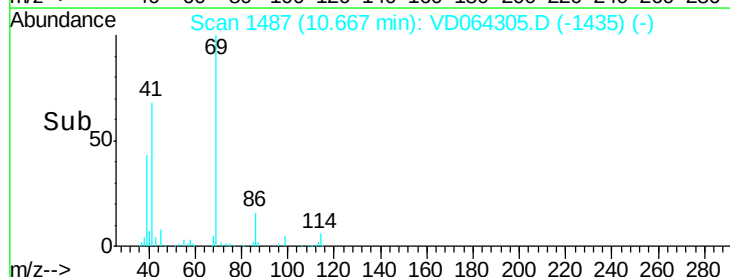
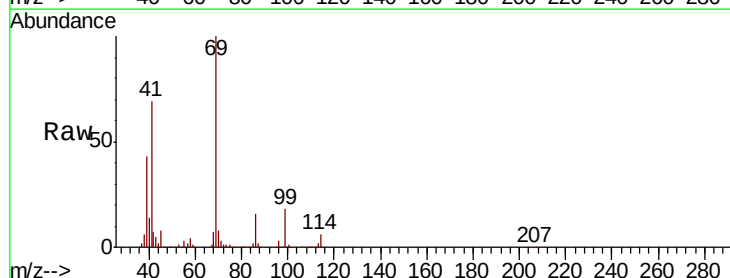
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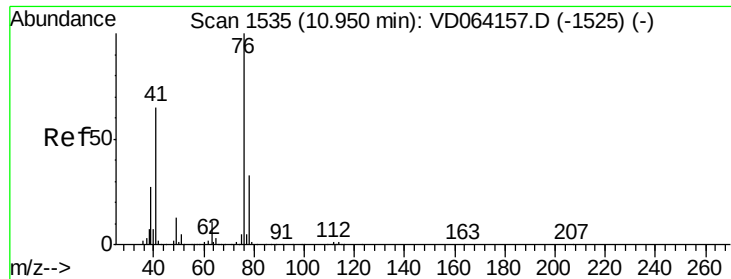
MMDadoda
 11/22/2019 12:52:14 AM



#56
 Ethyl methacrylate
 Concen: 42.219 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion:	69	Resp:	245328
Ion	Ratio	Lower	Upper
69	100		
41	68.1	57.9	86.9
39	39.0	29.0	43.4





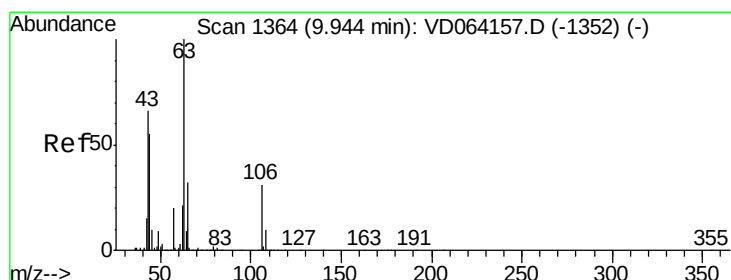
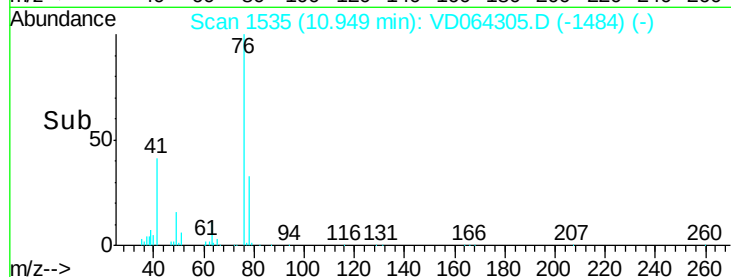
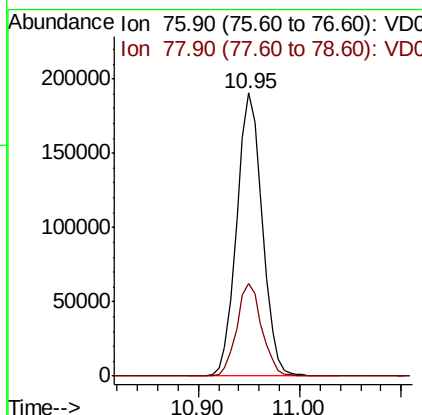
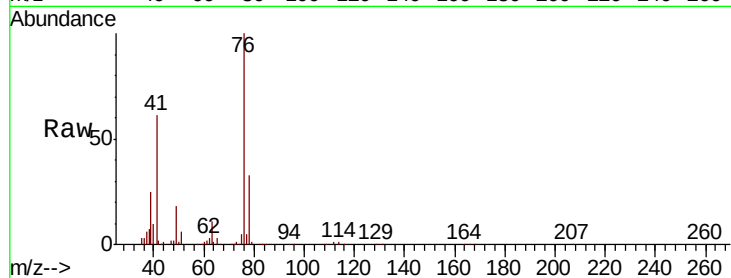
#57
 1,3-Dichloropropane
 Concen: 46.039 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

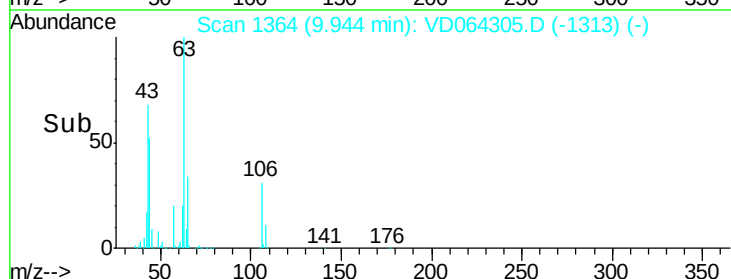
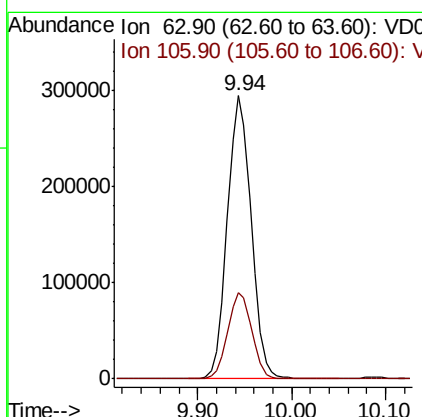
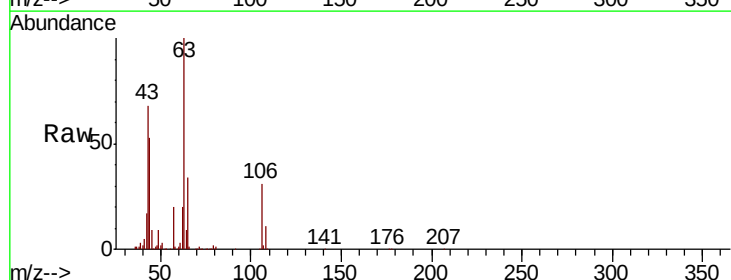
Manual Integrations
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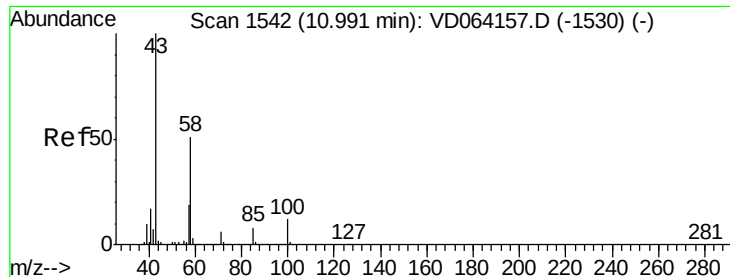
MMDadoda
 11/22/2019 12:52:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.570 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.1	36.1





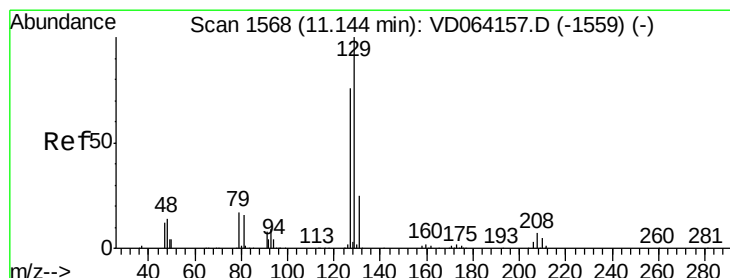
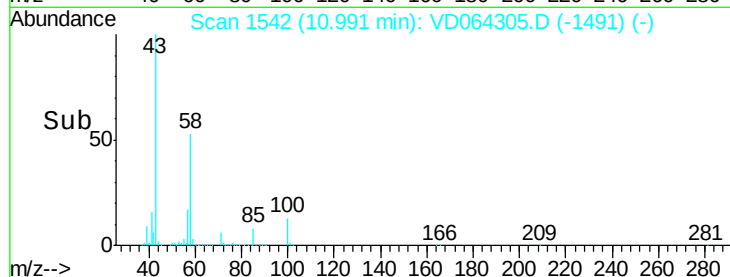
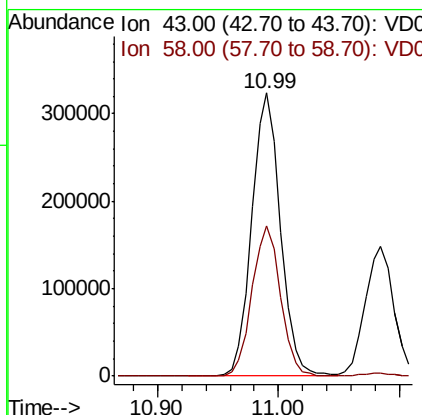
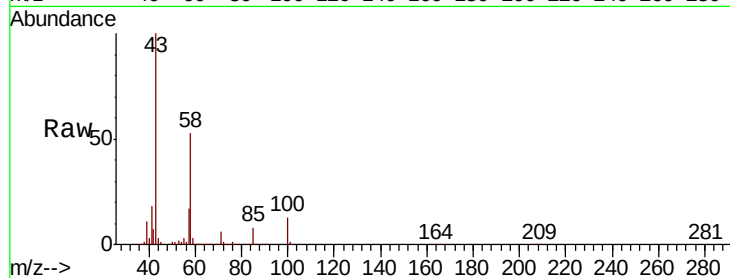
#59
2-Hexanone
Concen: 209.787 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 534550
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7

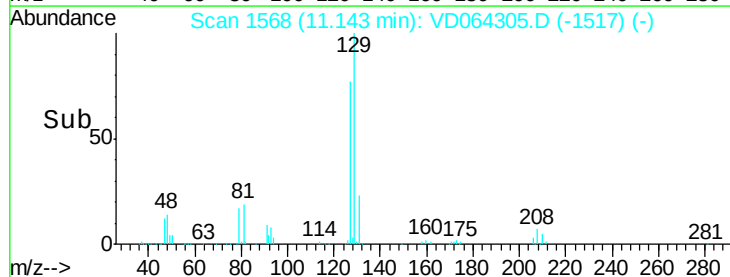
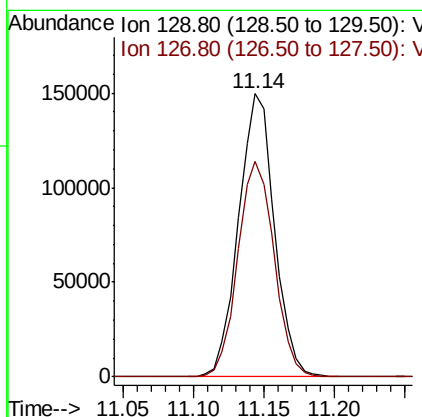
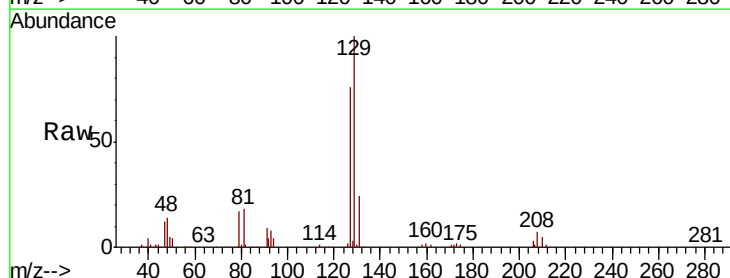
Manual Integrations
APPROVED

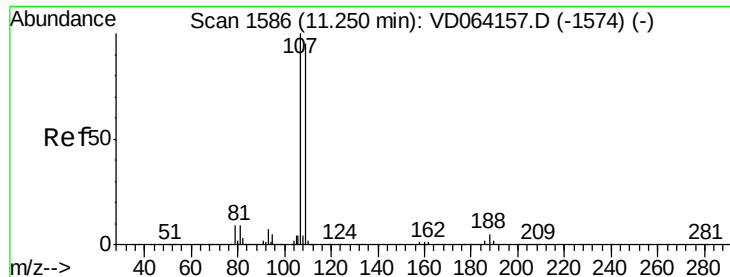
MMDadoda
11/22/2019 12:52:14 AM



#60
Dibromochloromethane
Concen: 45.827 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion: 129 Resp: 265624
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





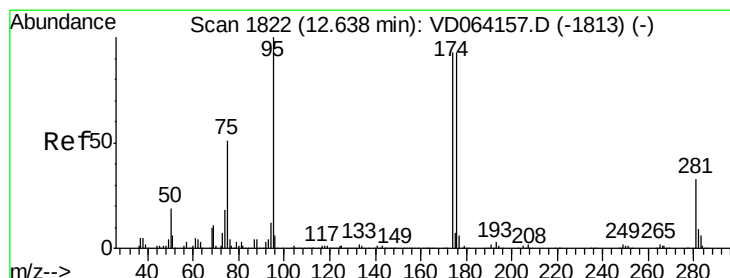
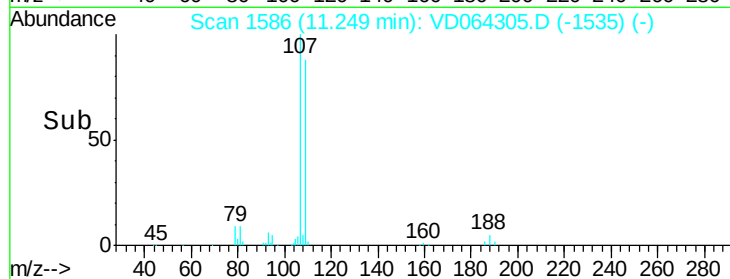
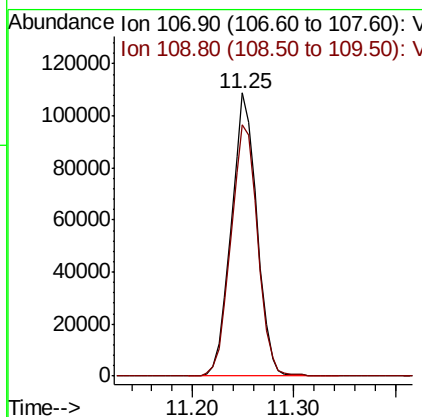
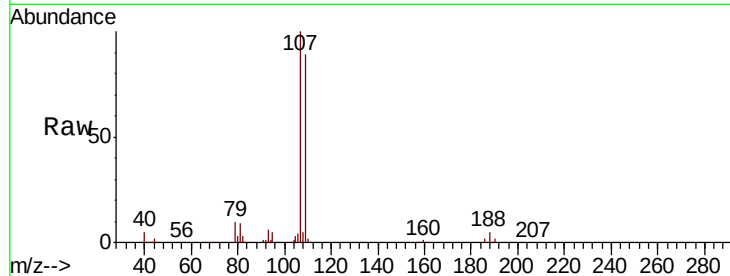
#61
 1,2-Dibromoethane
 Concen: 45.681 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.1	112.7

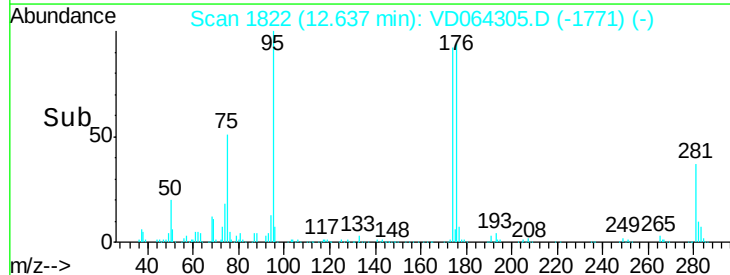
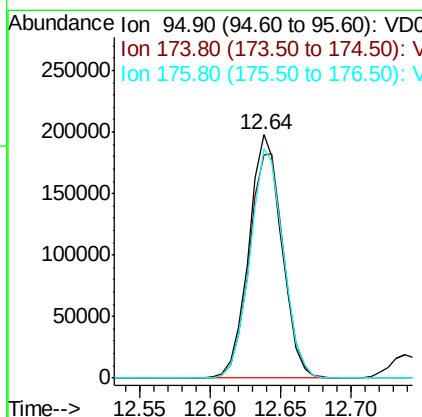
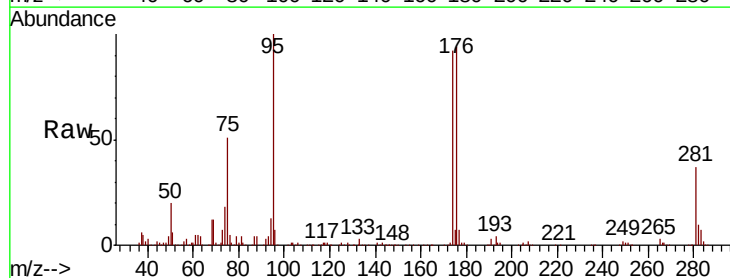
Manual Integrations
 APPROVED

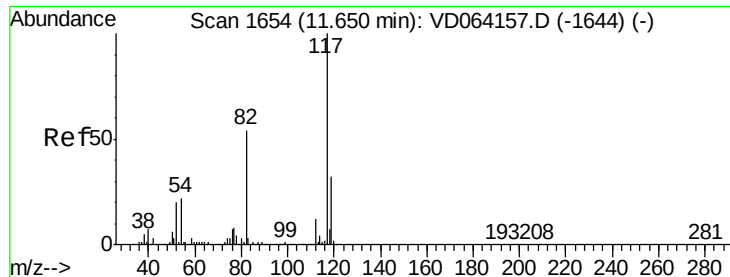
MMDadoda
 11/22/2019 12:52:14 AM



#62
 4-Bromofluorobenzene
 Concen: 46.385 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	183.6
176	95.1	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: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

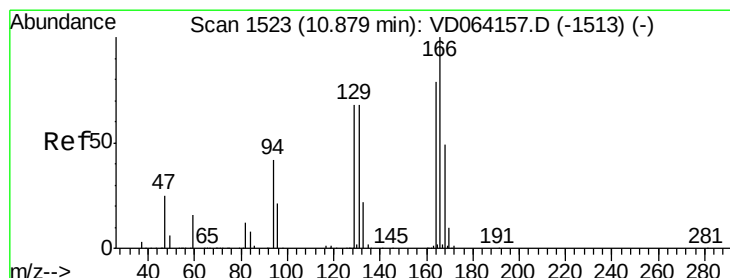
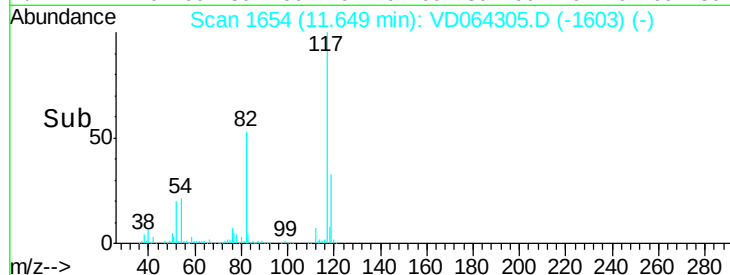
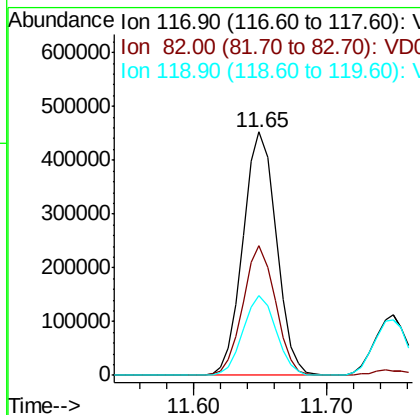
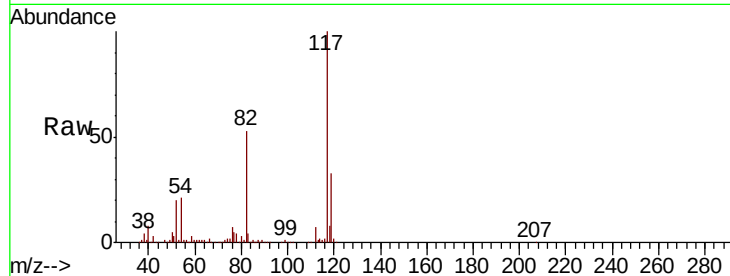
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	783688
Ion Ratio	Lower	Upper	
117	100		
82	53.3	42.8	64.2
119	32.7	25.6	38.4

Manual Integrations
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11/22/2019 12:52:14 AM



#64

Tetrachloroethene

Concen: 48.139 ug/l

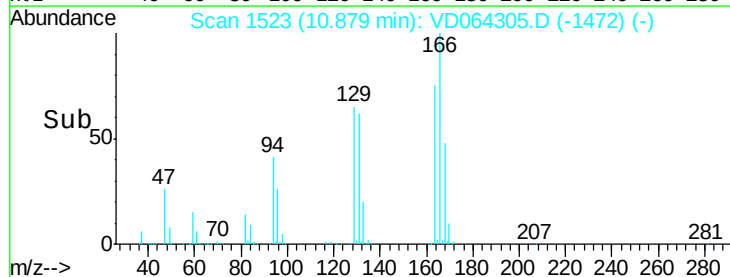
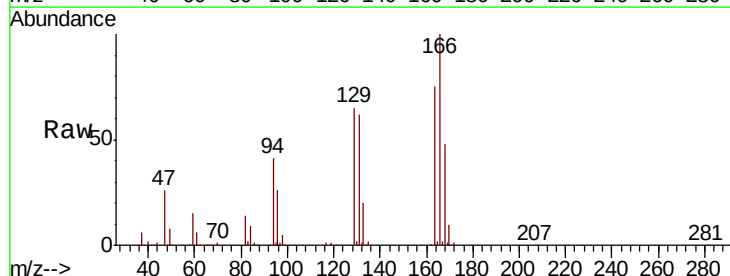
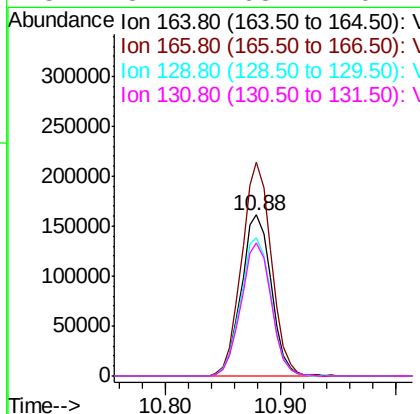
RT: 10.88 min Scan# 1523

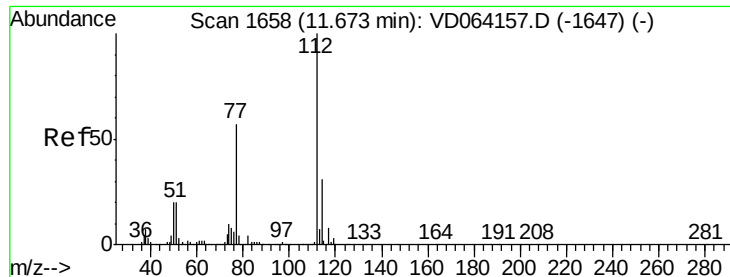
Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	164	Resp:	290149
Ion Ratio	Lower	Upper	
164	100		
166	132.6	100.8	151.2
129	85.5	68.7	103.1
131	82.7	68.1	102.1





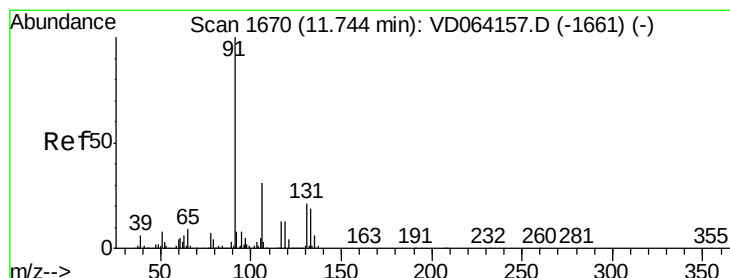
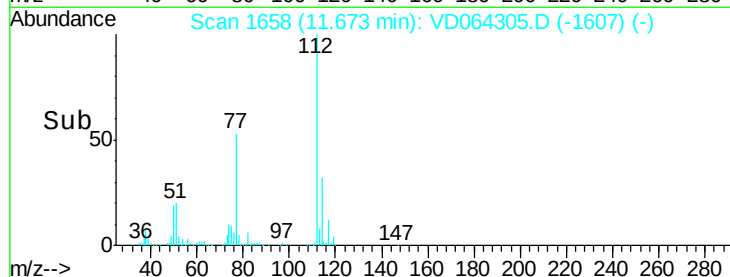
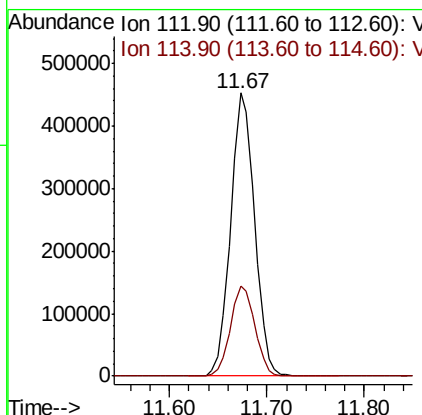
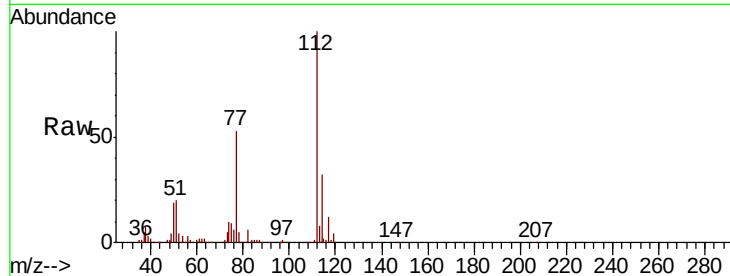
#65
Chlorobenzene
Concen: 48.361 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

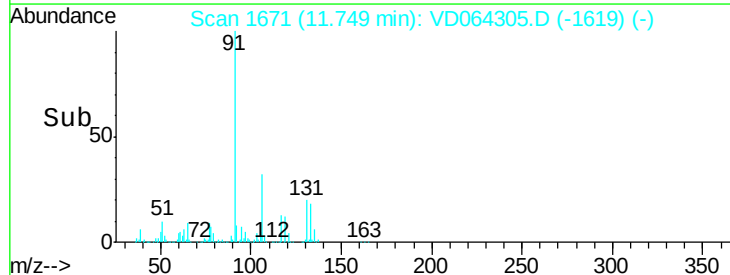
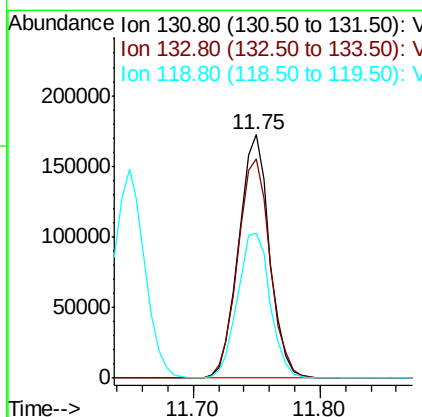
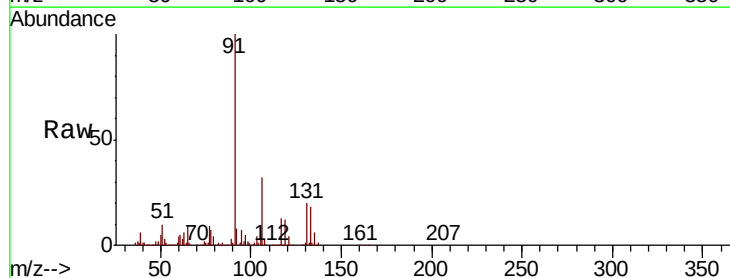
Manual Integrations
APPROVED

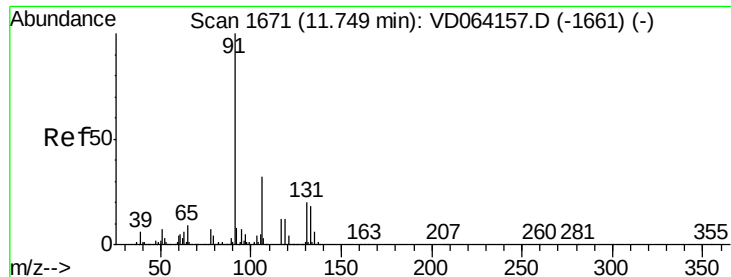
MMDadoda
11/22/2019 12:52:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.927 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	63.1	31.1	93.3





#67

Ethyl Benzene

Concen: 48.708 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1404058

Ion Ratio Lower Upper

91 100

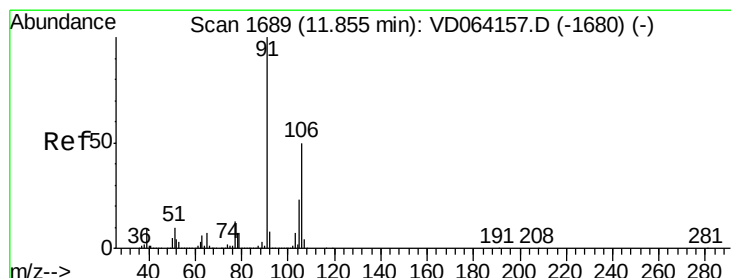
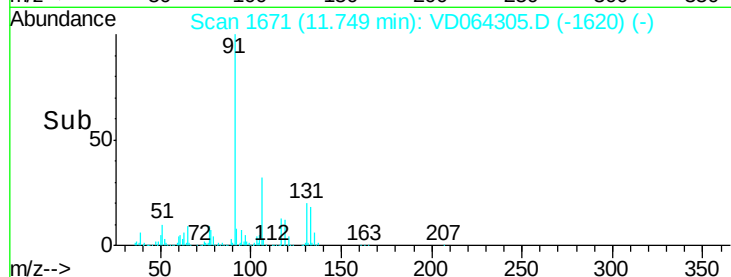
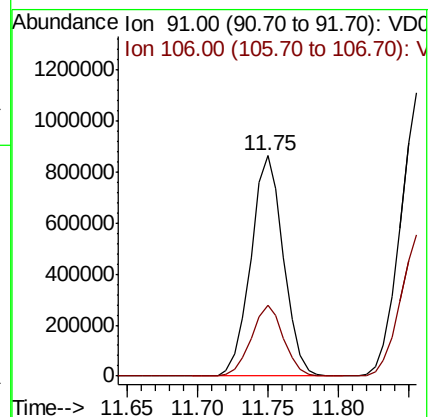
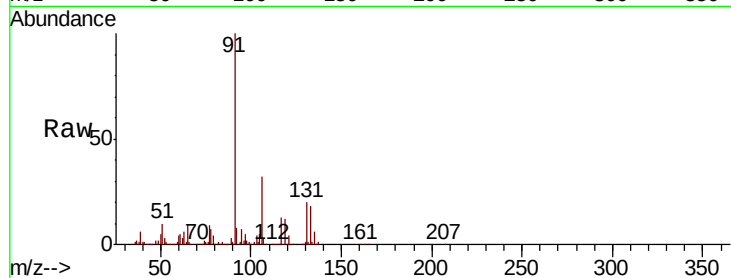
106 32.5 25.5 38.3

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 97.881 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064305.D

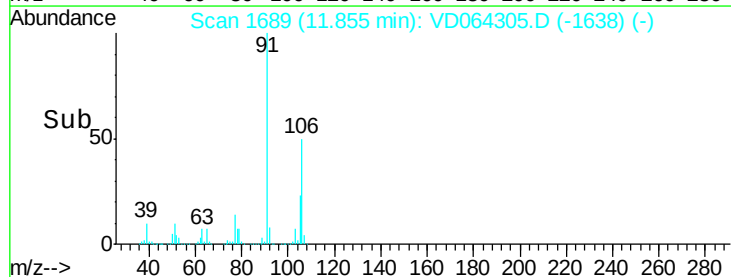
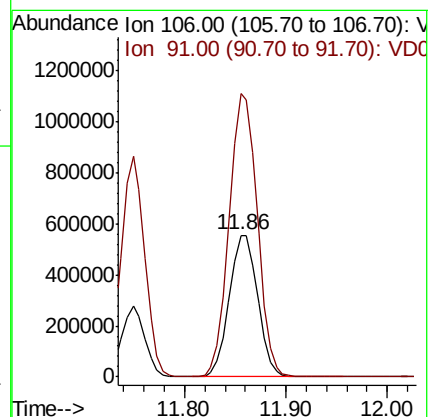
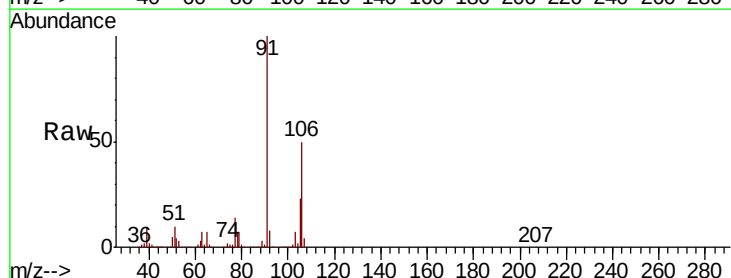
Acq: 20 Nov 2019 10:59

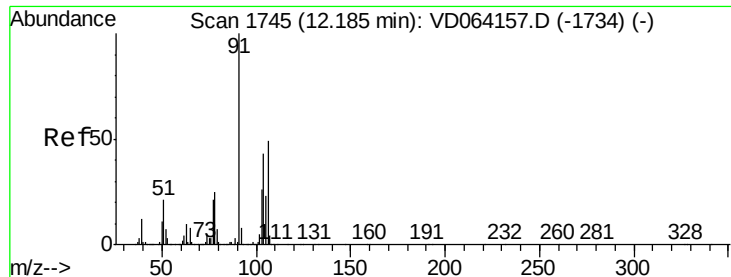
Tgt Ion: 106 Resp: 1081494

Ion Ratio Lower Upper

106 100

91 198.5 160.3 240.5





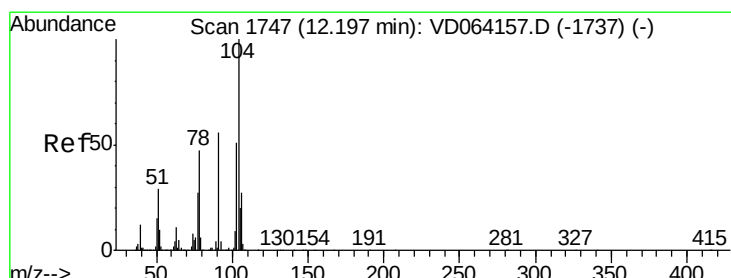
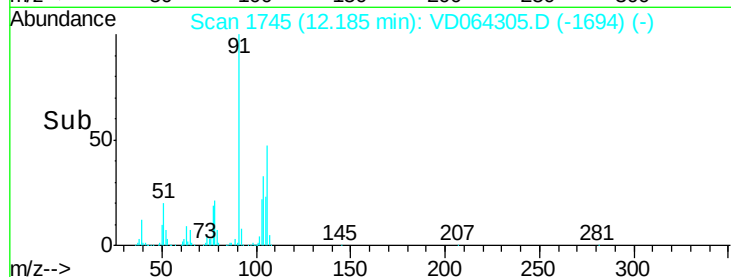
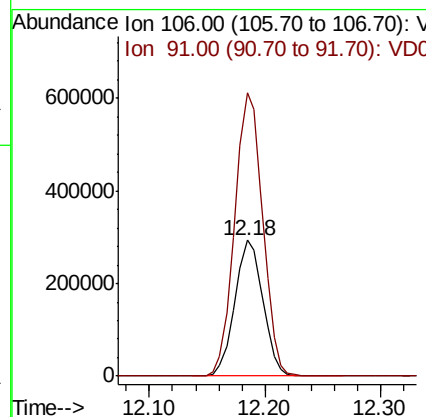
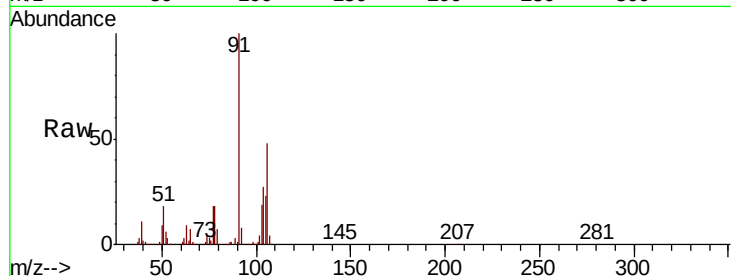
#69
o-Xylene
Concen: 48.079 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	492687		
91	208.6		105.1	315.3

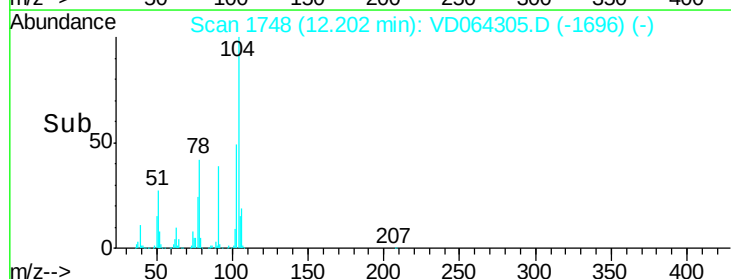
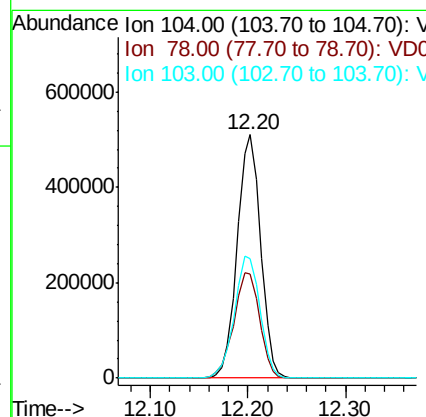
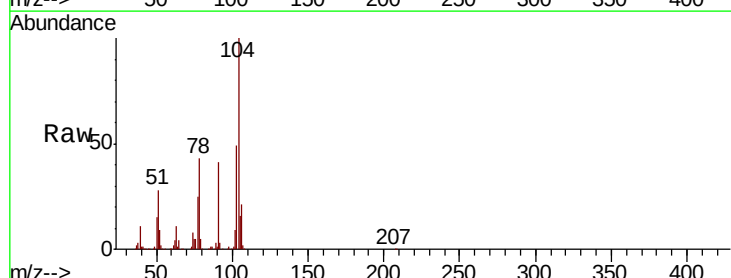
Manual Integrations
APPROVED

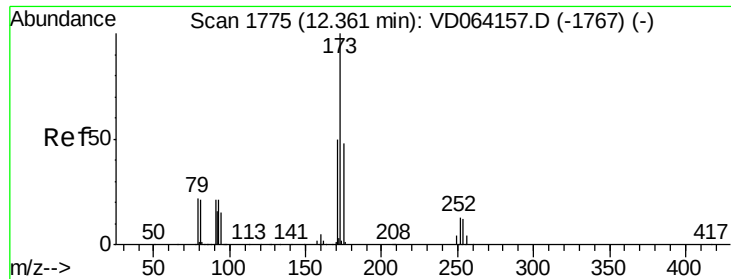
MMDadoda
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#70
Styrene
Concen: 47.543 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	850431		
78	48.2		39.9	59.9
103	55.0		43.4	65.0





#71

Bromoform

Concen: 46.117 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

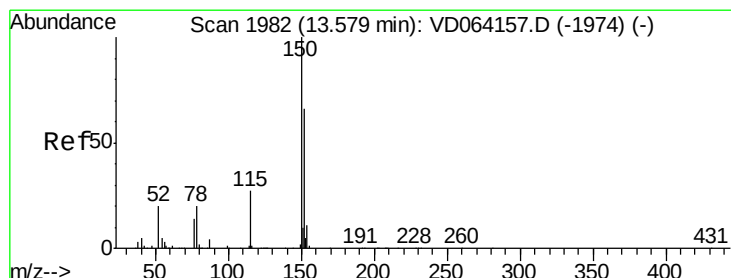
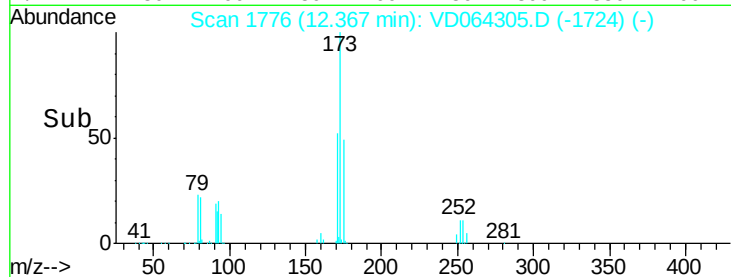
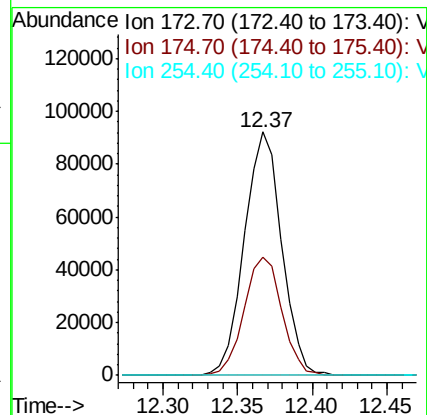
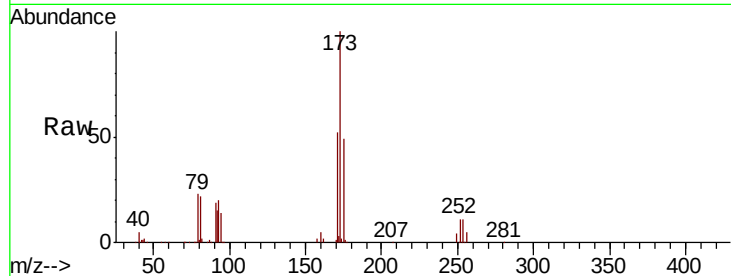
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

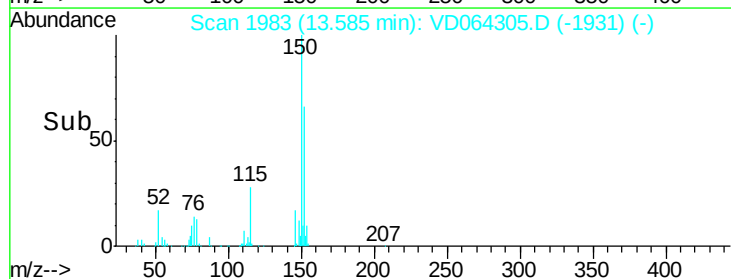
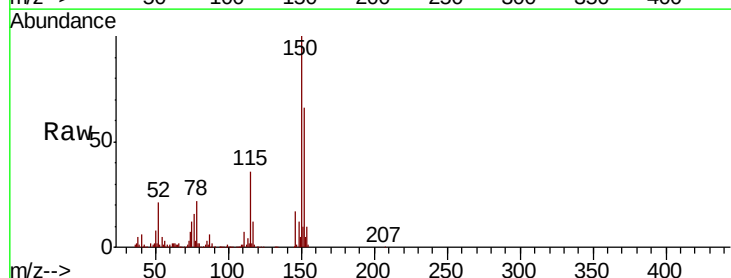
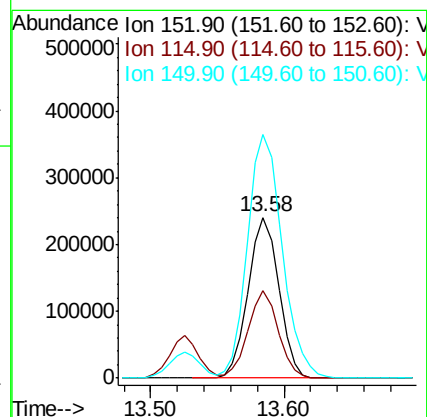
RT: 13.58 min Scan# 1983

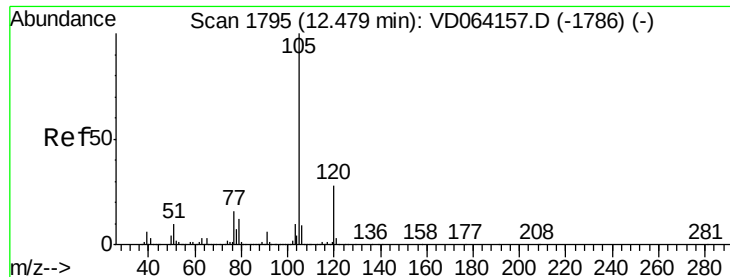
Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	27.4	82.2
150	171.1	0.0	351.6





#73

Isopropylbenzene

Concen: 49.112 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1379874

Ion Ratio Lower Upper

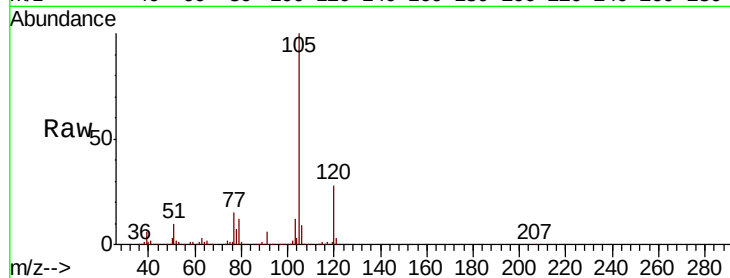
105 100

120 27.2 13.6 40.8

Manual Integrations
APPROVED

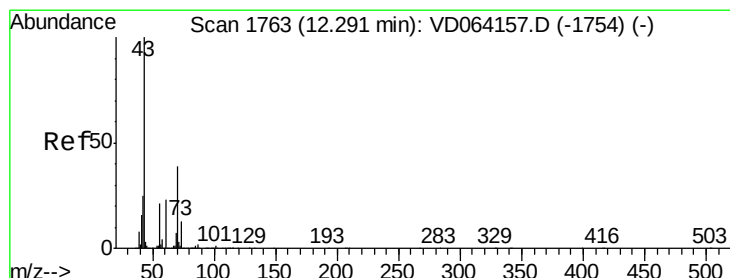
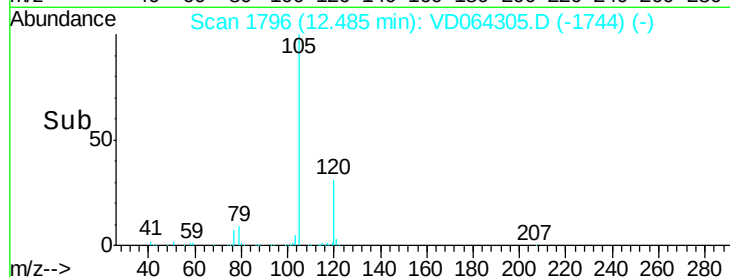
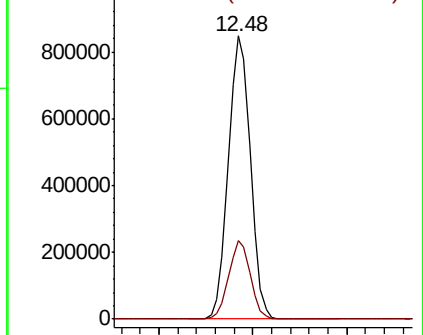
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.291 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion: 43 Resp: 267324

Ion Ratio Lower Upper

43 100

70 42.2 32.4 48.6

55 23.7 17.9 26.9

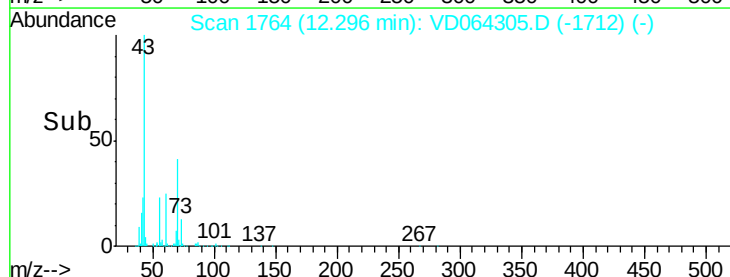
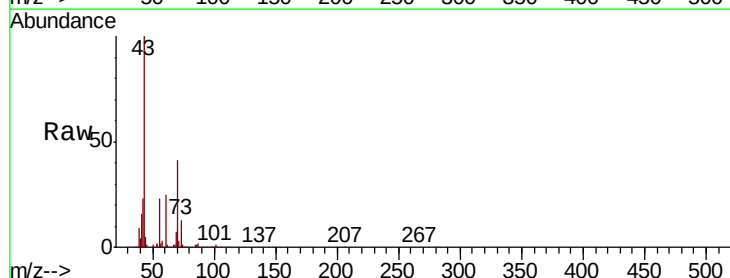
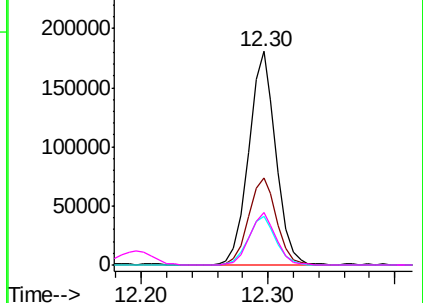
61 24.1 19.0 28.4

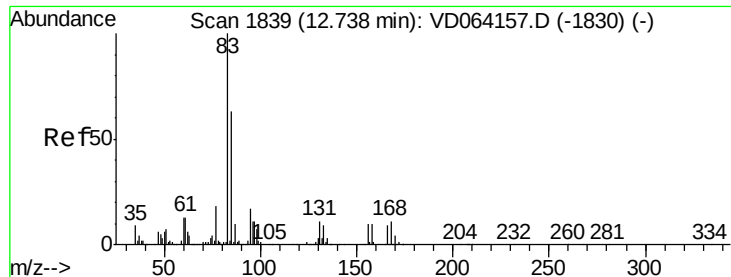
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.172 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

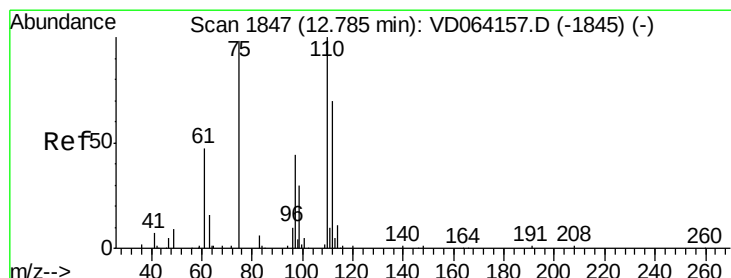
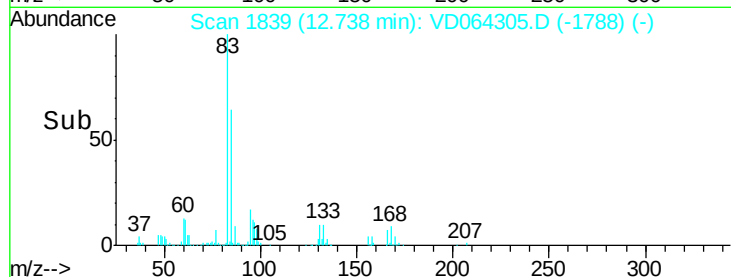
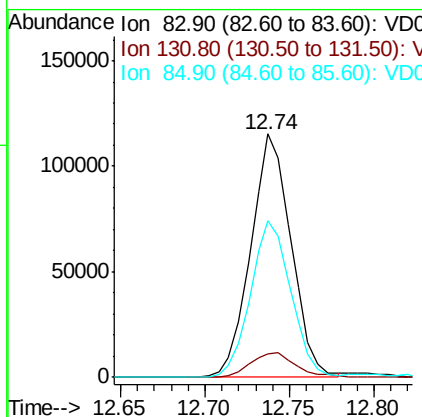
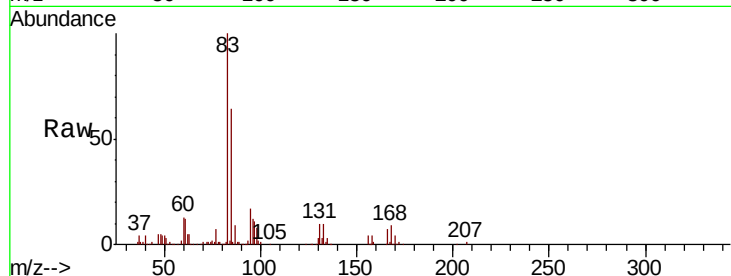
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	191242
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	64.4	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.096 ug/l m

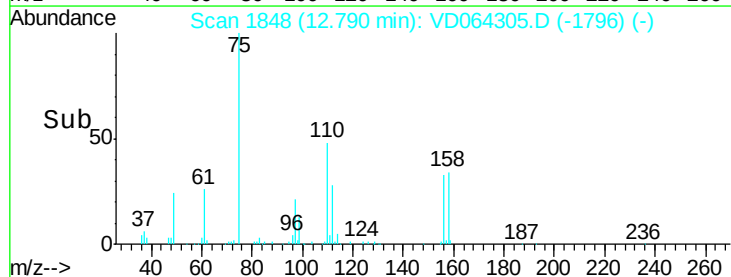
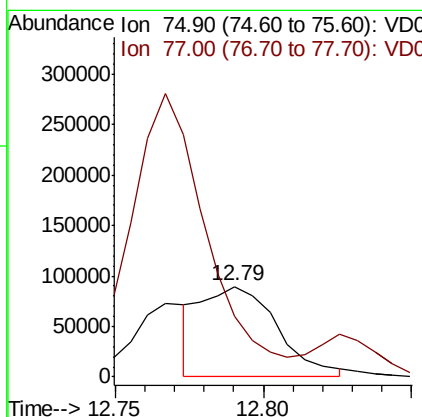
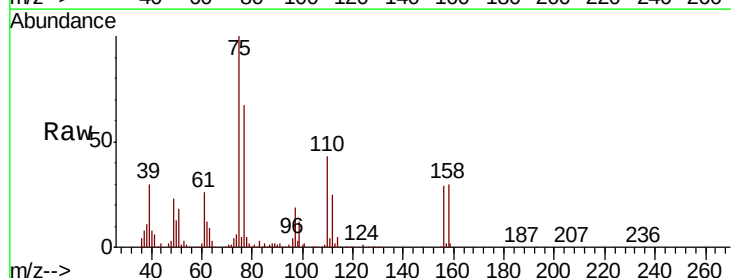
RT: 12.79 min Scan# 1848

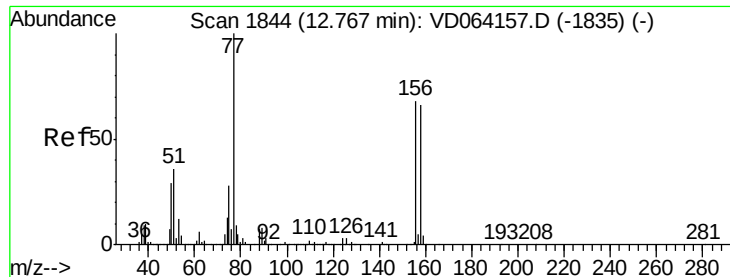
Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	75	Resp:	160623
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.231 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

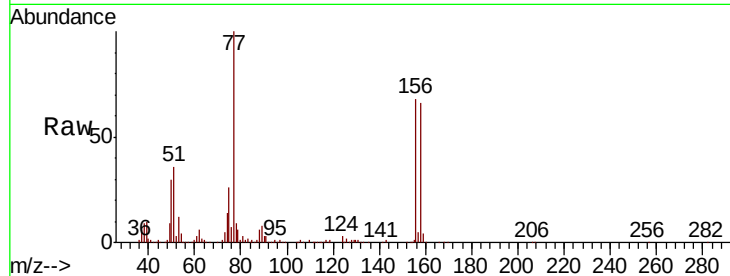
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.4	81.2	243.4
158	98.3	48.4	145.2

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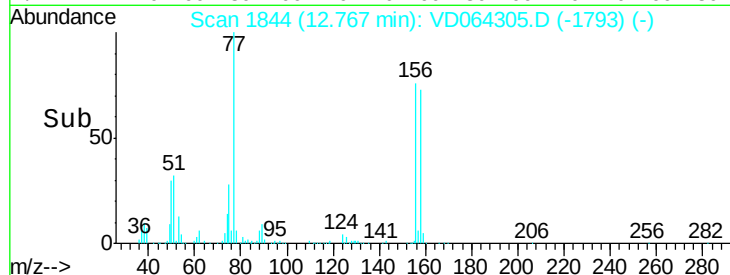
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

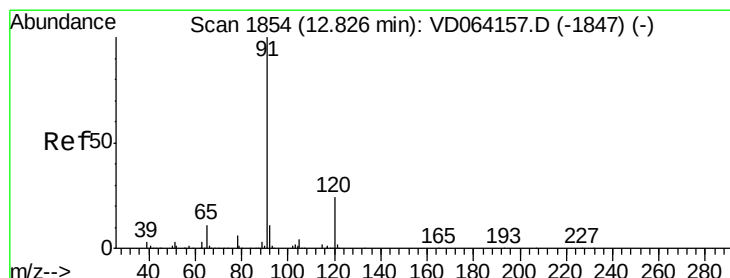
Ion 157.80 (157.50 to 158.50): V

12.77

12.80



Time-->



#78

n-propylbenzene

Concen: 48.786 ug/l

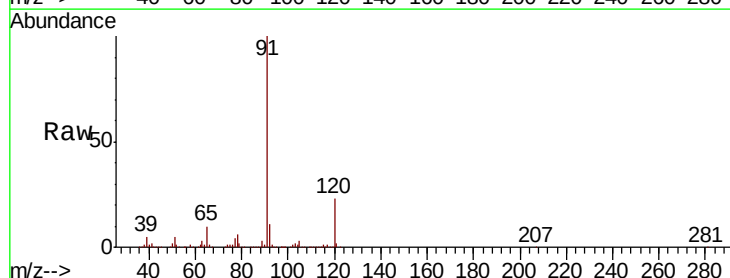
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4

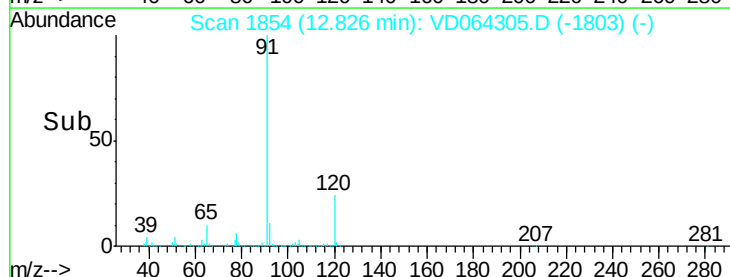


Abundance Ion 91.00 (90.70 to 91.70): VDC

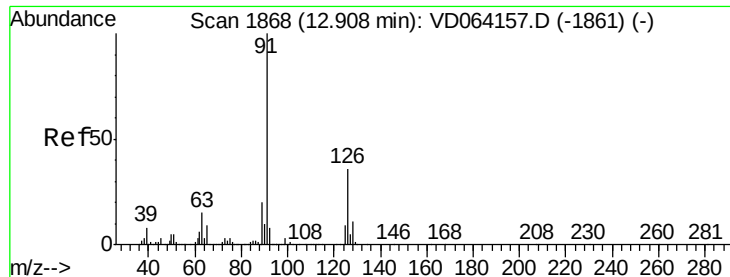
Ion 120.00 (119.70 to 120.70): V

12.83

12.85



Time-->



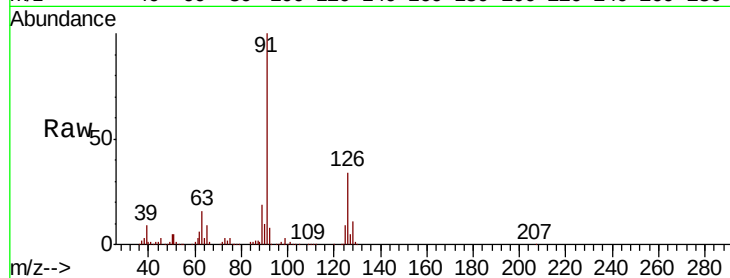
#79
2-Chlorotoluene
Concen: 46.902 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

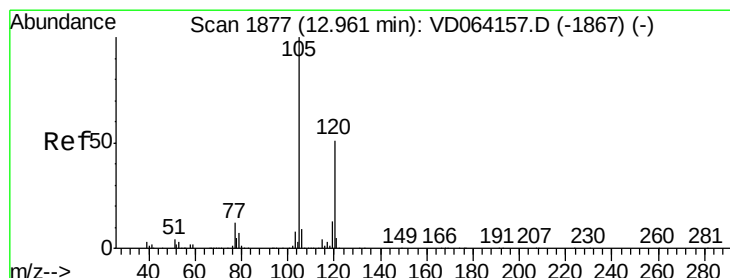
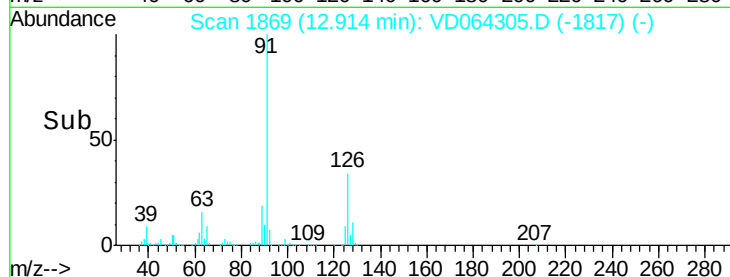
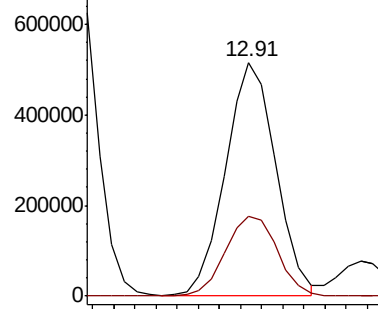
Tot Ion: 91 Resp: 850015
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1

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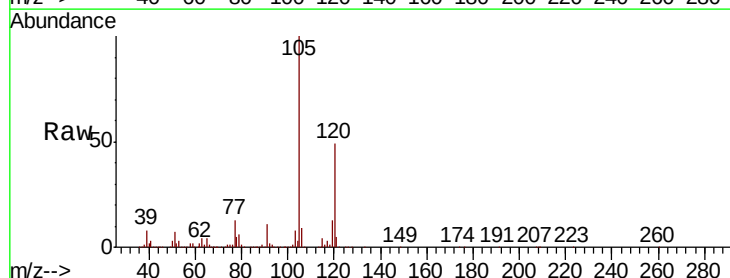


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

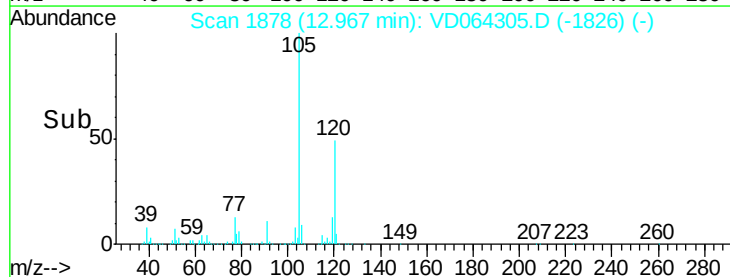
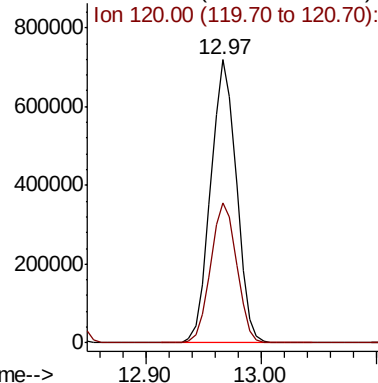


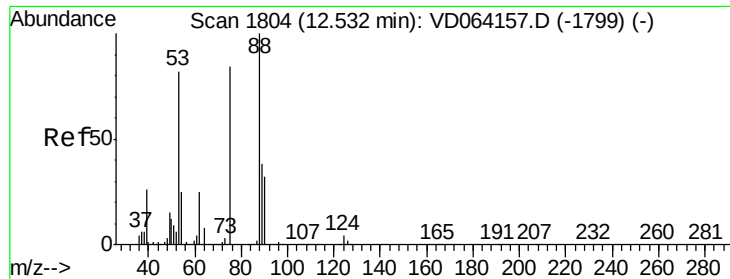
#80
1,3,5-Trimethylbenzene
Concen: 48.140 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion: 105 Resp: 1111390
Ion Ratio Lower Upper
105 100
120 50.3 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





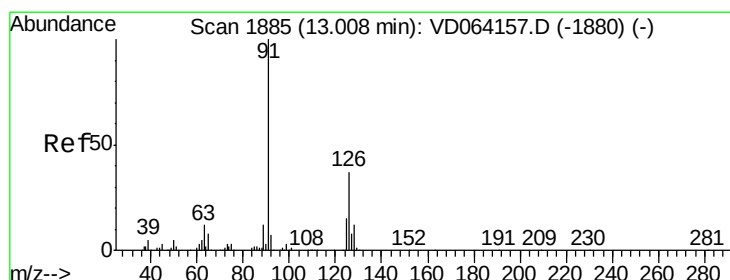
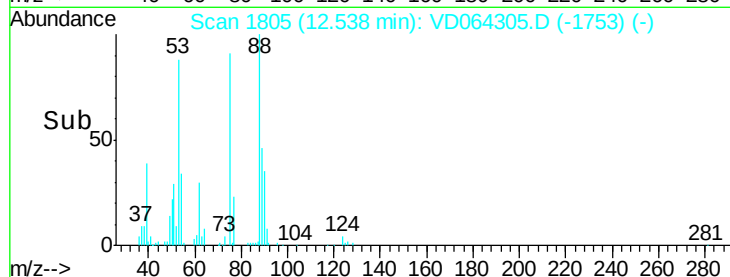
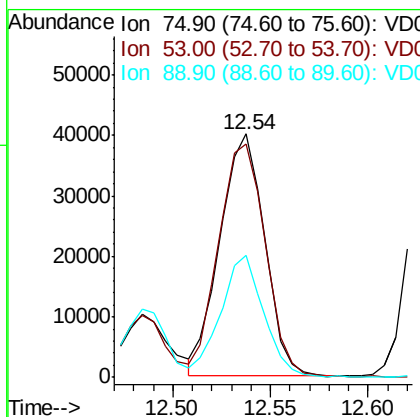
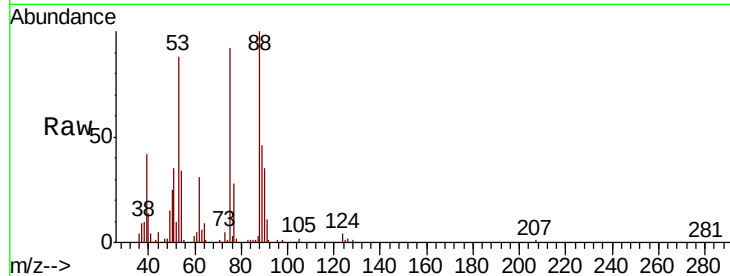
#81
trans-1,4-Dichloro-2-butene
Concen: 41.040 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	79.4	119.0
89	48.6	36.6	55.0

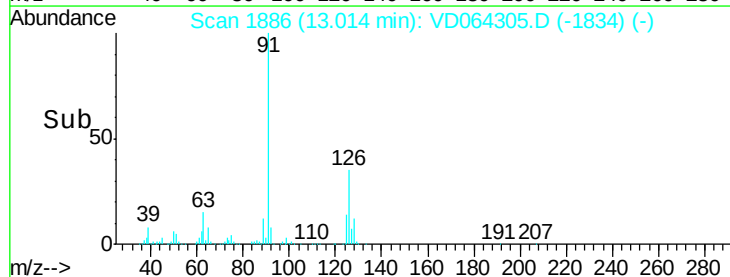
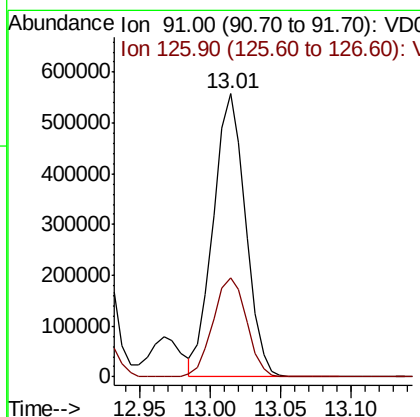
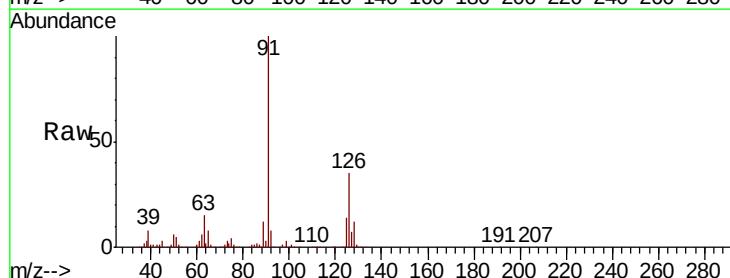
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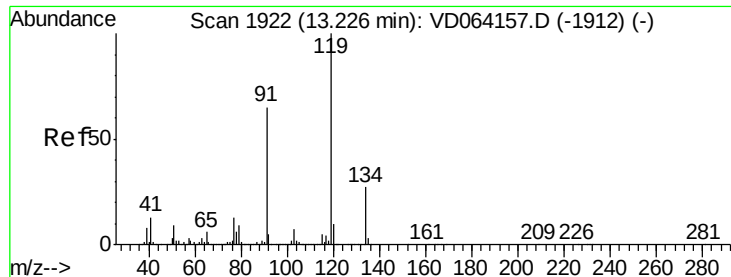
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#82
4-Chlorotoluene
Concen: 46.879 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.8	53.4





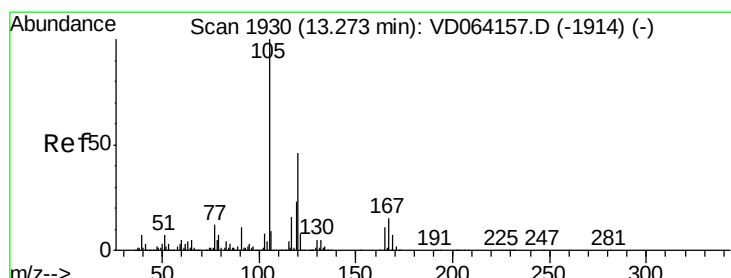
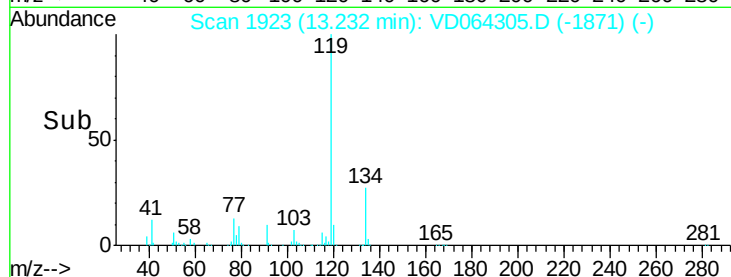
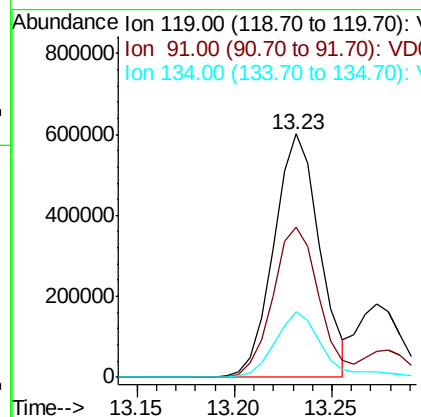
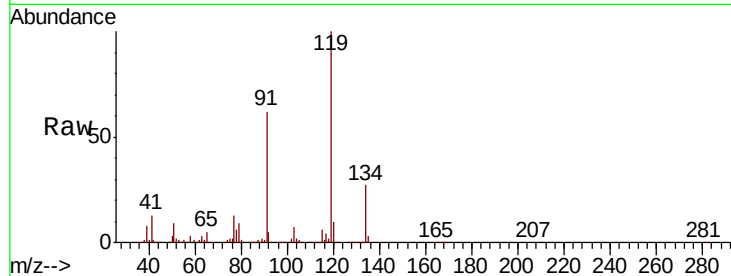
#83
tert-Butylbenzene
Concen: 47.745 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.8	95.4
134	28.1	13.7	41.0

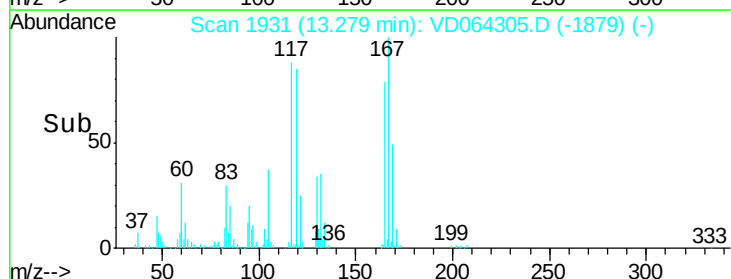
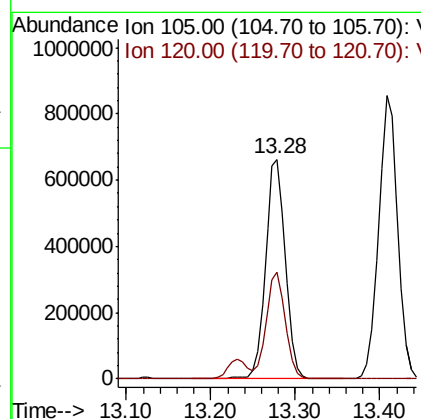
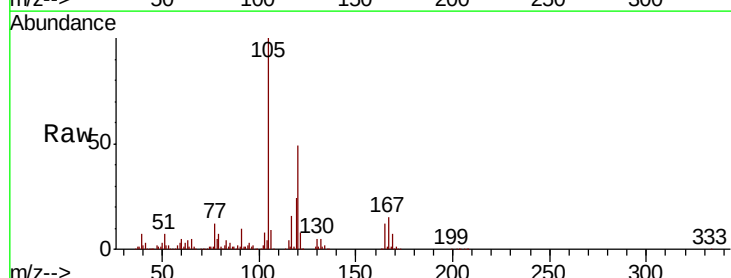
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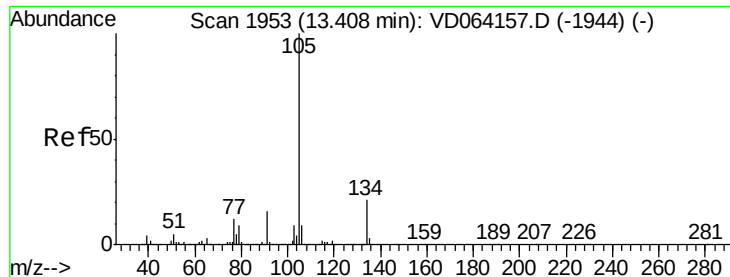
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#84
1,2,4-Trimethylbenzene
Concen: 47.528 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.8





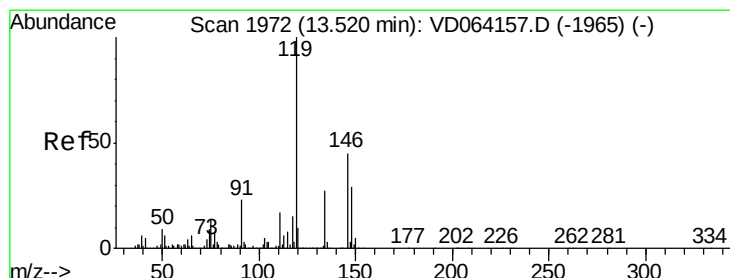
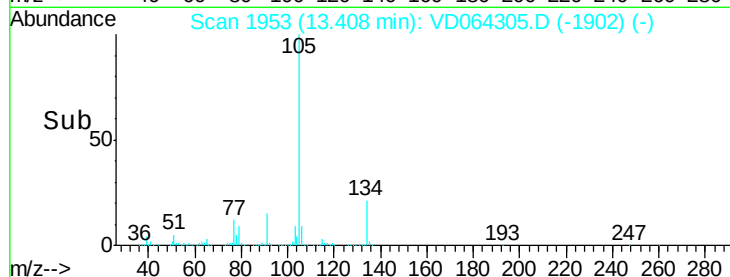
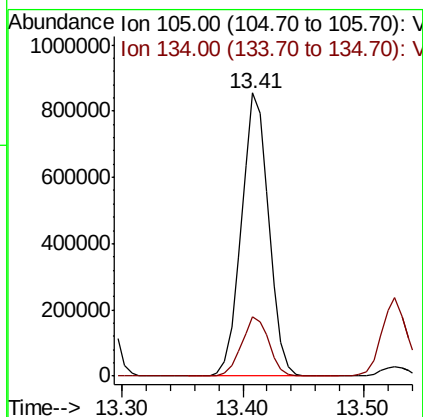
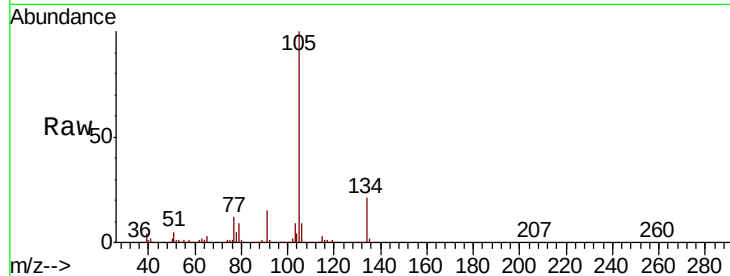
#85
 sec-Butylbenzene
 Concen: 49.242 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1346376
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.7 31.9

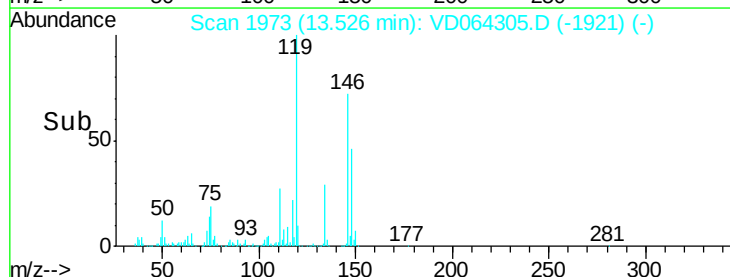
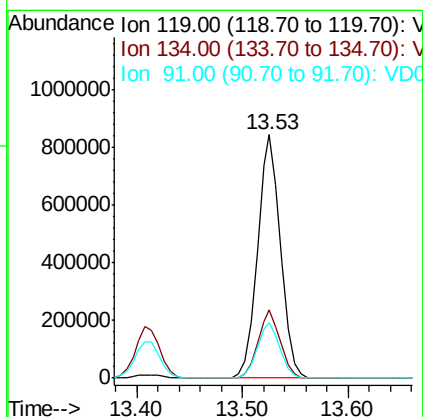
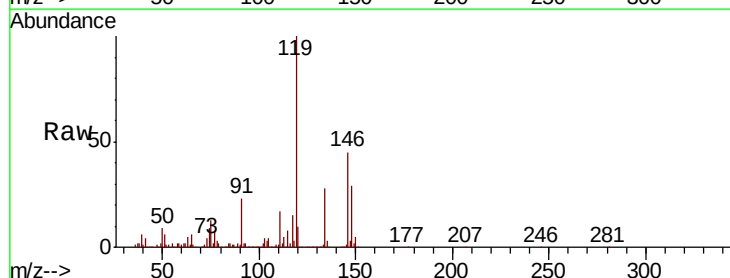
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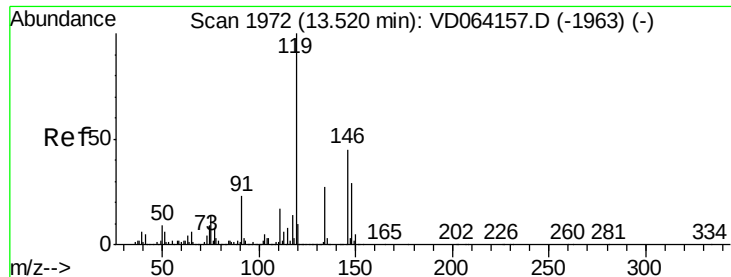
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#86
 p-Isopropyltoluene
 Concen: 48.865 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion:119 Resp: 1270187
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 22.6 11.5 34.4





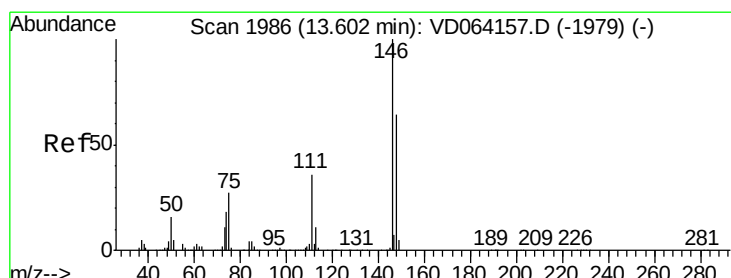
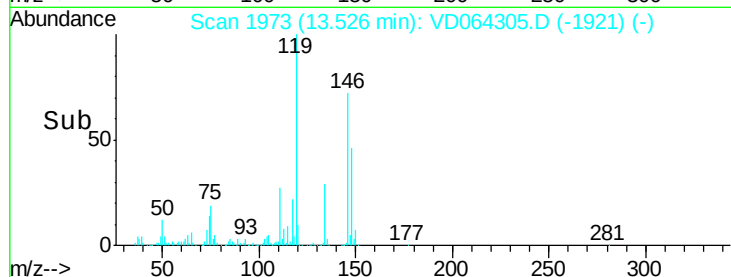
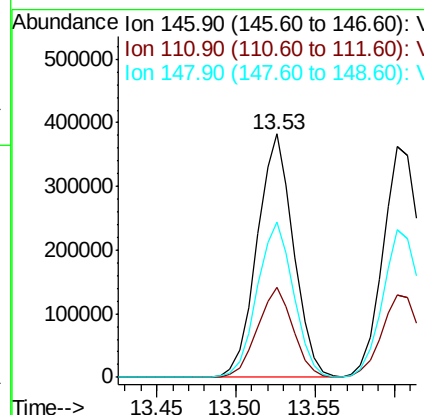
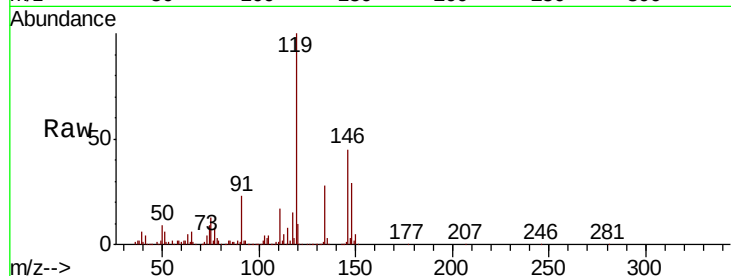
#87
 1,3-Dichlorobenzene
 Concen: 48.090 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.9
148	63.7	32.1	96.5

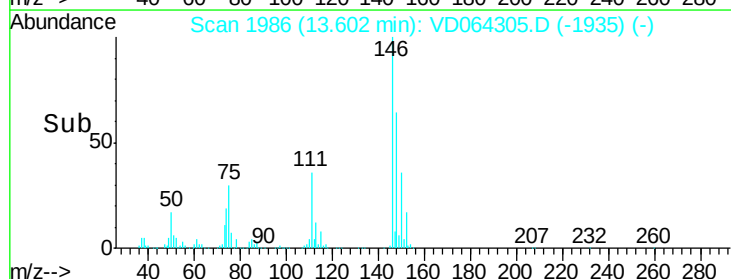
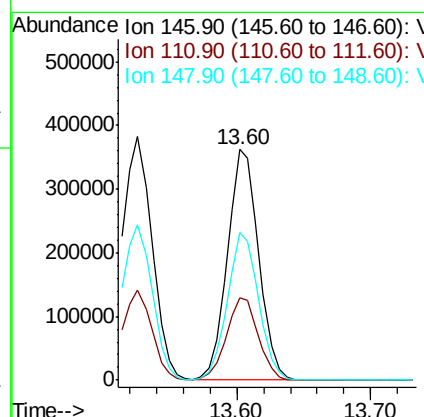
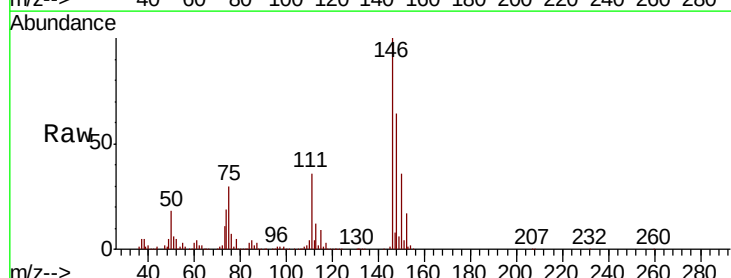
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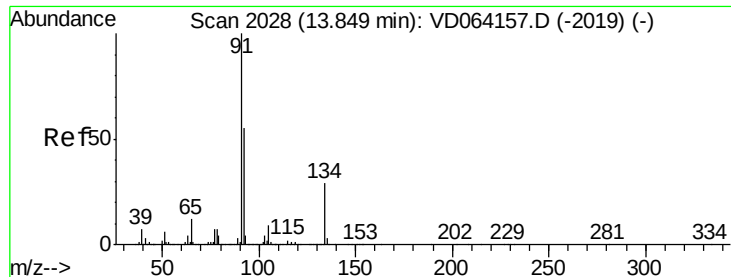
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#88
 1,4-Dichlorobenzene
 Concen: 48.080 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	63.9	31.9	95.7





#89

n-Butylbenzene

Concen: 48.281 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Instrument :

MSVOA_D

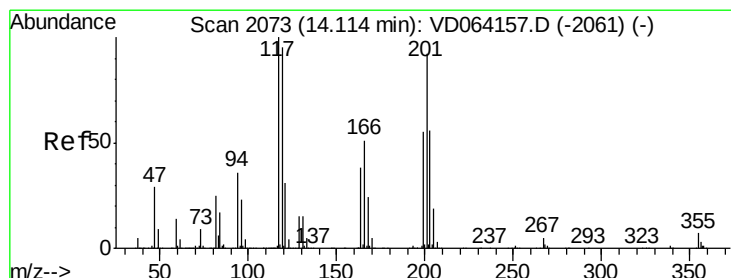
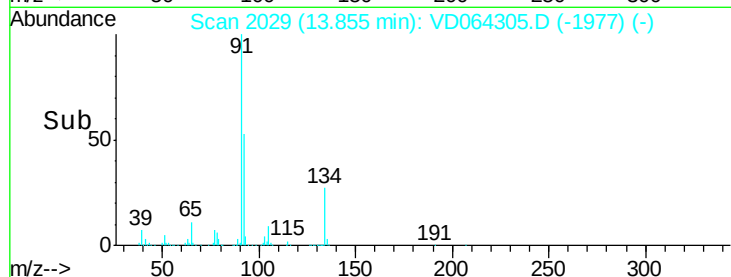
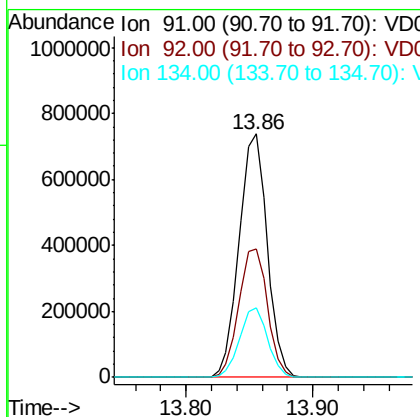
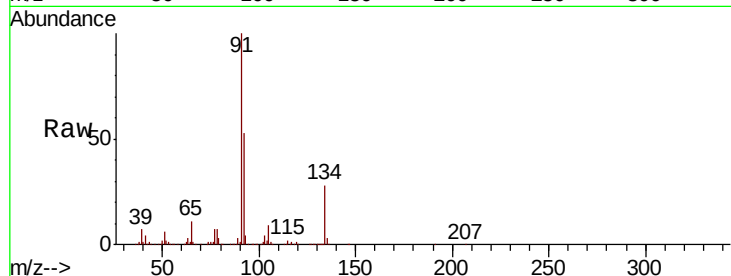
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	1133846
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.3	81.8
134	28.6	14.1	42.4

Manual Integrations
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#90

Hexachloroethane

Concen: 48.744 ug/l

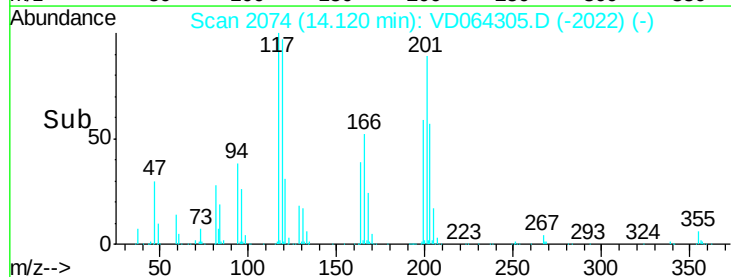
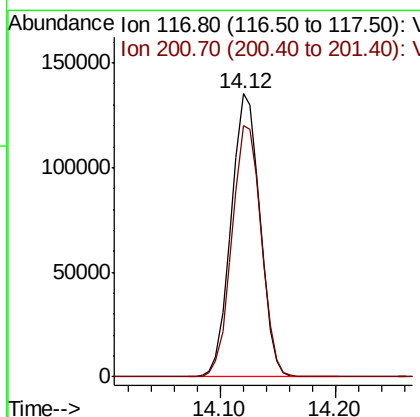
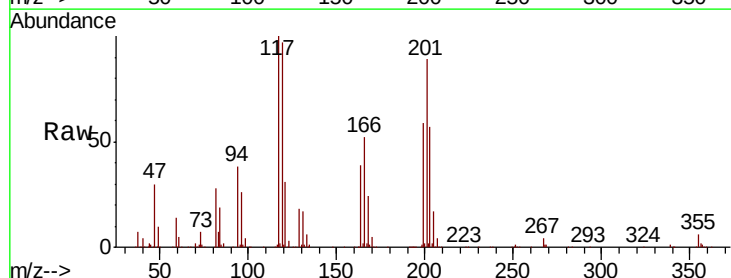
RT: 14.12 min Scan# 2074

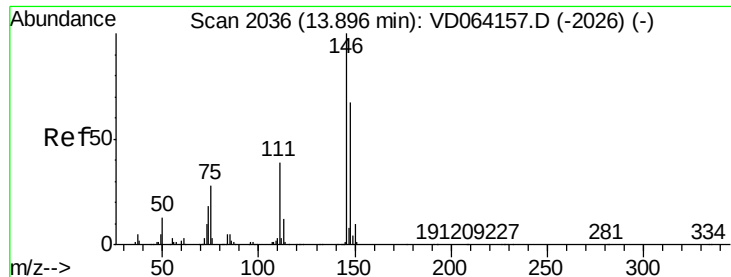
Delta R.T. 0.01 min

Lab File: VD064305.D

Acq: 20 Nov 2019 10:59

Tgt Ion:	117	Resp:	234163
Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.8	137.4





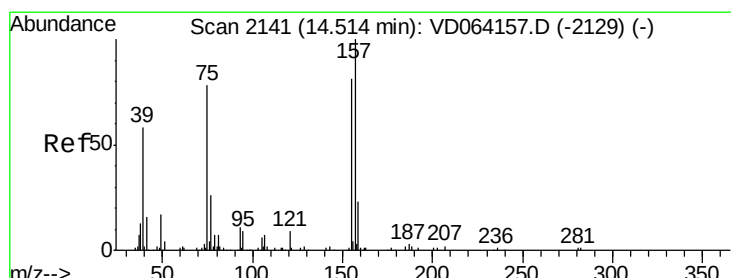
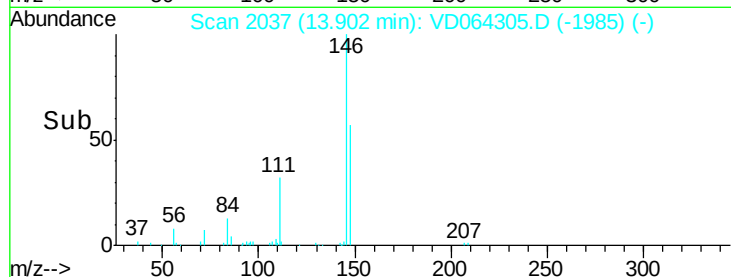
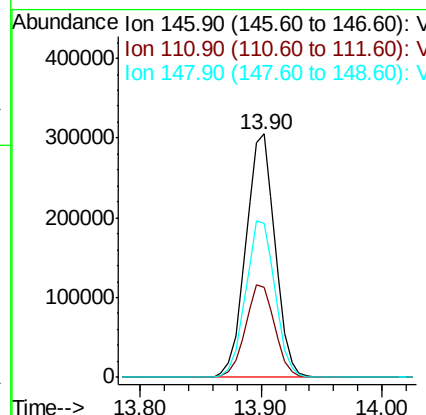
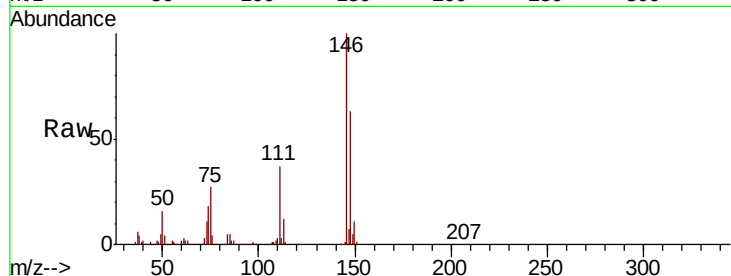
#91
 1,2-Dichlorobenzene
 Concen: 47.960 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.5	32.3	96.8

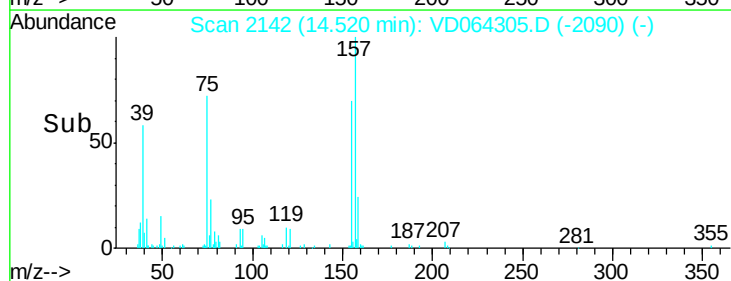
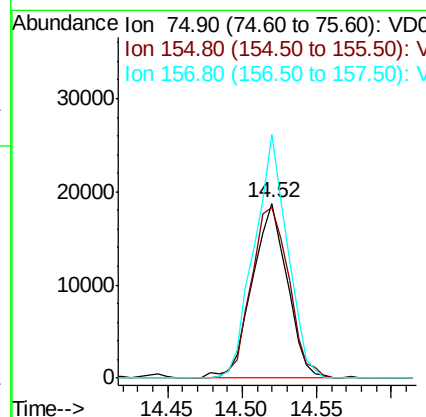
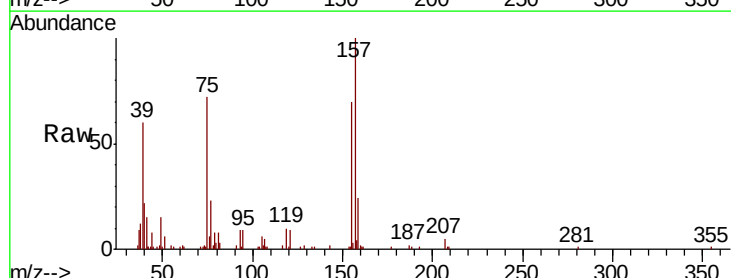
Manual Integrations
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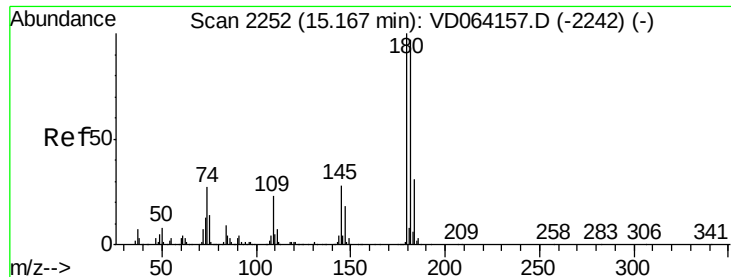
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 11/22/2019 12:52:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.151 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.1	48.0	144.0
157	132.1	61.5	184.4





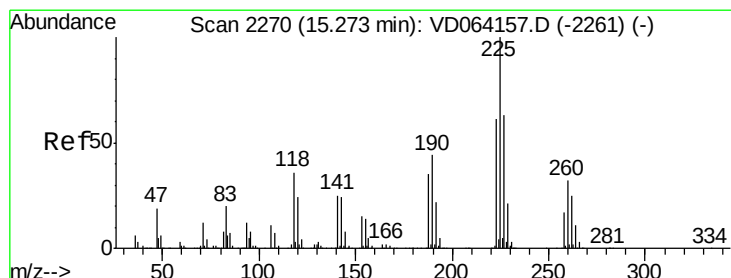
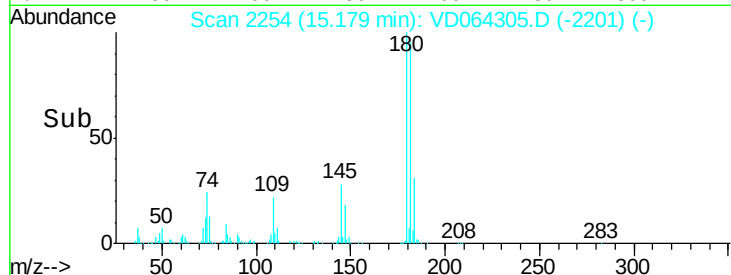
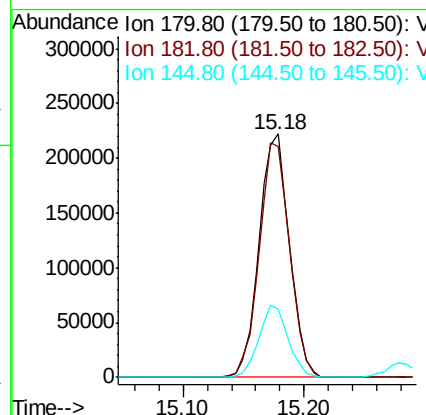
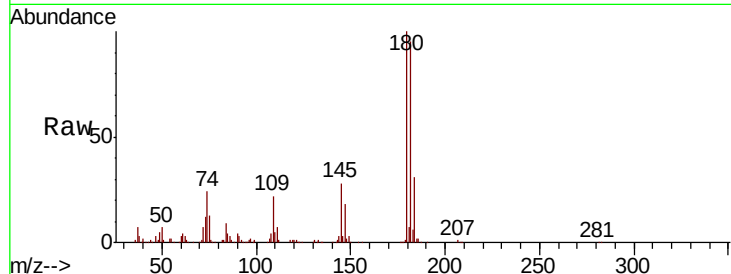
#93
 1,2,4-Trichlorobenzene
 Concen: 46.762 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.5	142.5	
145	28.6	14.2	42.6	

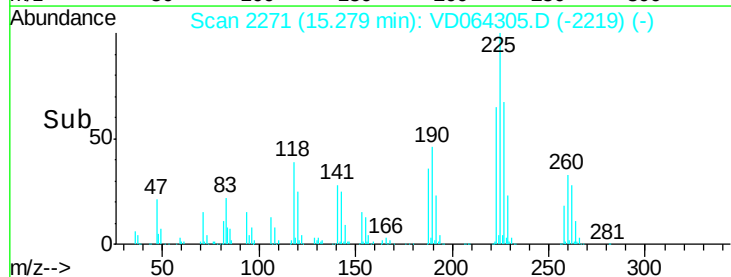
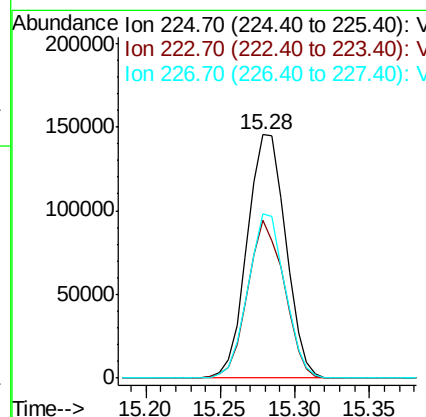
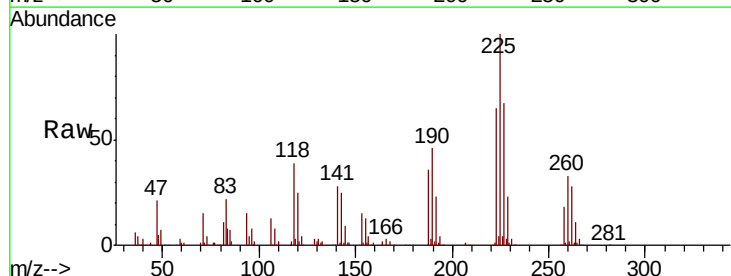
Manual Integrations
 APPROVED

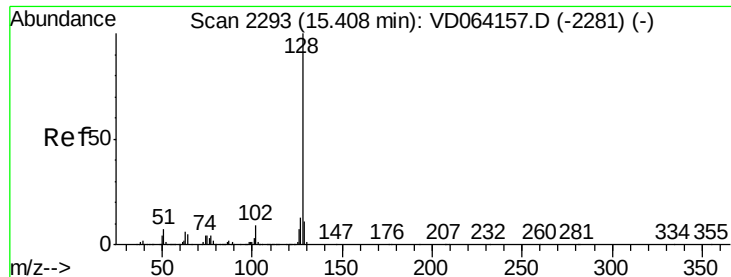
MMDadoda
 11/22/2019 12:52:14 AM



#94
 Hexachlorobutadiene
 Concen: 48.618 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064305.D
 Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.1	93.3	
227	64.7	31.5	94.5	





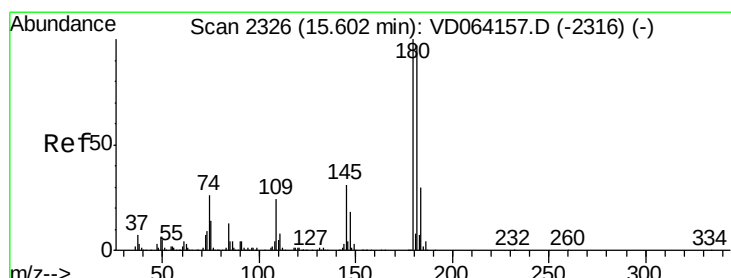
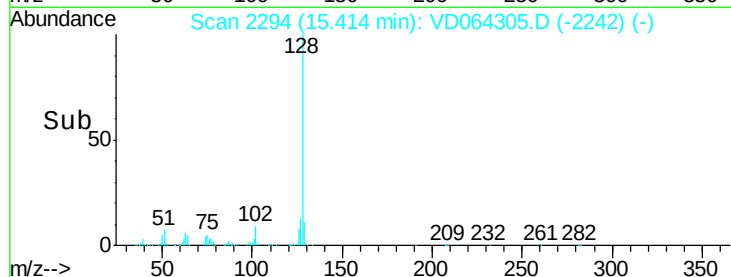
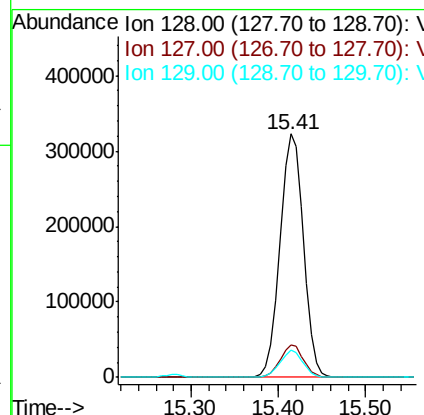
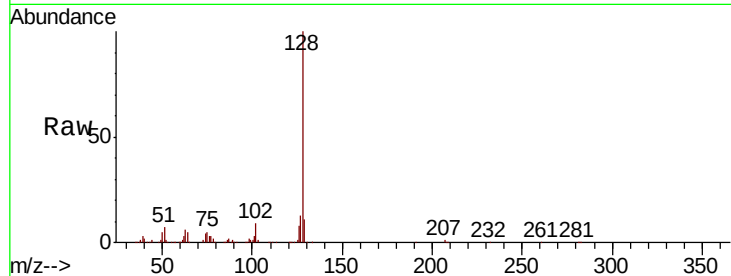
#95
Naphthalene
Concen: 44.480 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	603219		
127	13.2	10.5	15.7	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
11/22/2019 12:52:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.325 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064305.D
Acq: 20 Nov 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	325776		
182	95.8	48.3	144.9	
145	29.6	15.3	45.8	

