

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064316.D
 Acq On : 20 Nov 2019 16:44
 Operator : VA/SY
 Sample : K5957-03
 Misc : 4.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 07:04:27 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	1564704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	2195621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1854556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	930983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	590210	45.86	ug/l	0.00
Spiked Amount						
			Recovery	=	91.72%	
35) Dibromofluoromethane	7.92	113	634036	50.31	ug/l	0.00
Spiked Amount						
			Recovery	=	100.62%	
50) Toluene-d8	10.34	98	2531448	53.24	ug/l	0.00
Spiked Amount						
			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.64	95	939459	57.06	ug/l	0.00
Spiked Amount						
			Recovery	=	114.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	900	2.086	ug/l #	68
11) Tert butyl alcohol	5.26	59	6384	7.103	ug/l	98
16) Acetone	4.18	43	37495	12.299	ug/l	92
20) Methylene Chloride	4.96	84	23071	1.498	ug/l #	86
25) 2-Butanone	7.23	43	7004	1.778	ug/l #	85
29) Tetrahydrofuran	7.58	42	2500	1.056	ug/l #	87
31) Cyclohexane	7.98	56	69779	2.763	ug/l #	60
36) 1,1-Dichloropropene	7.98	75	98617	4.867	ug/l #	49
38) Carbon Tetrachloride	7.98	117	138637	6.394	ug/l #	15
39) Methylcyclohexane	9.36	83	201480	7.858	ug/l	96
49) 1,4-Dioxane	9.47	88	204	2.354	ug/l #	48
51) 4-Methyl-2-Pentanone	10.34	43	43561	5.161	ug/l #	81
55) 1,1,2-Trichloroethane	10.78	97	126427	12.914	ug/l #	23
56) Ethyl methacrylate	10.64	69	35821	2.616	ug/l #	79
59) 2-Hexanone	10.96	43	481341	80.156	ug/l #	31
67) Ethyl Benzene	11.75	91	282103	4.135	ug/l	100
68) m/p-Xylenes	11.87	106	244549	9.353	ug/l	95
73) Isopropylbenzene	12.48	105	909757	13.313	ug/l	100
74) N-amyl acetate	12.27	43	1990379	123.344	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.71	83	128315	12.462	ug/l #	91
76) 1,2,3-Trichloropropane	12.83	75	15154	2.021	ug/l #	100
78) n-propylbenzene	12.83	91	2289432	29.325	ug/l	100
79) 2-Chlorotoluene	12.92	91	284395	6.452	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.92	105	2185790	38.928	ug/l	70
81) trans-1,4-Dichloro-2-buten	12.64	75	395816	104.850	ug/l #	16
82) 4-Chlorotoluene	12.92	91	284395	6.186	ug/l #	39
83) tert-Butylbenzene	13.23	119	127165	2.568	ug/l	87
84) 1,2,4-Trimethylbenzene	13.28	105	7802509	140.752	ug/l	97
85) sec-Butylbenzene	13.41	105	736550	11.076	ug/l #	70
86) p-Isopropyltoluene	13.53	119	583338	9.227	ug/l	100
89) n-Butylbenzene	13.85	91	533296	9.337	ug/l #	77
90) Hexachloroethane	14.13	117	74049	6.338	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.53	75	2398	1.303	ug/l #	1
95) Naphthalene	15.41	128	452213	13.710	ug/l	99

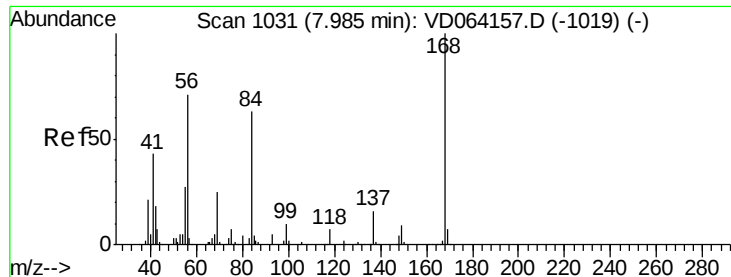
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

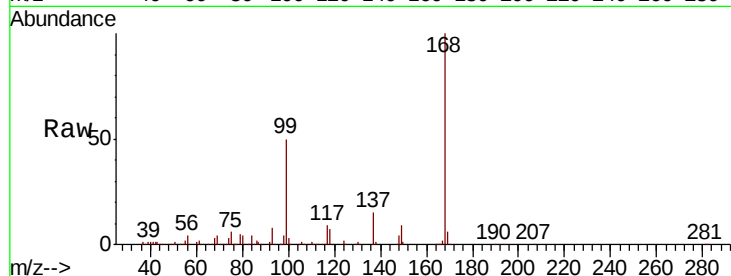
ClientSampleId :

Tot Ion:168 Resp: 1564704

Ion Ratio Lower Upper

168 100

99 49.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

800000

600000

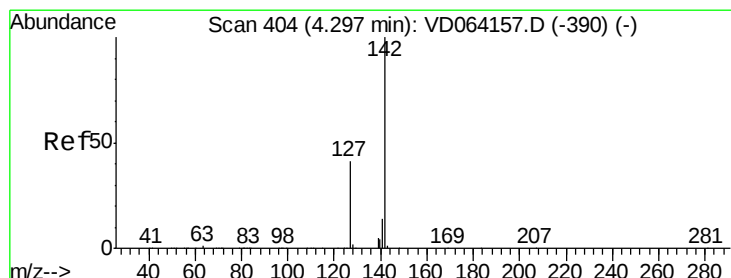
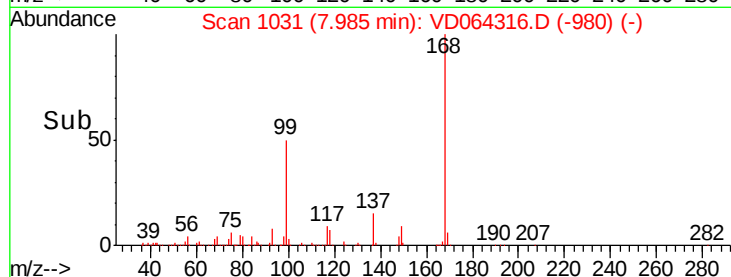
400000

200000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.086 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

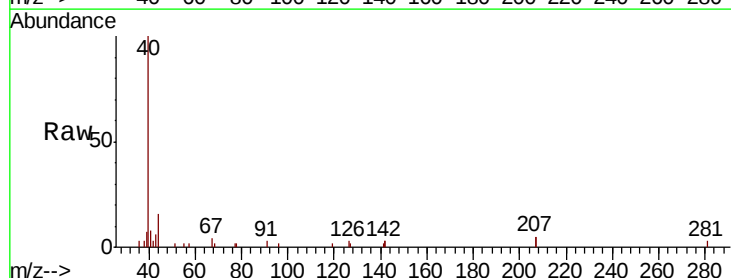
Tgt Ion:142 Resp: 900

Ion Ratio Lower Upper

142 100

127 19.8 34.4 51.6#

141 6.8 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

500

400

300

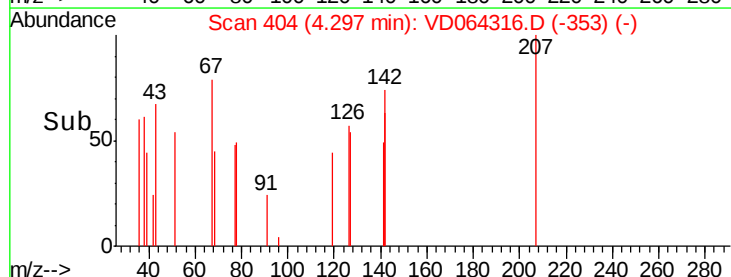
200

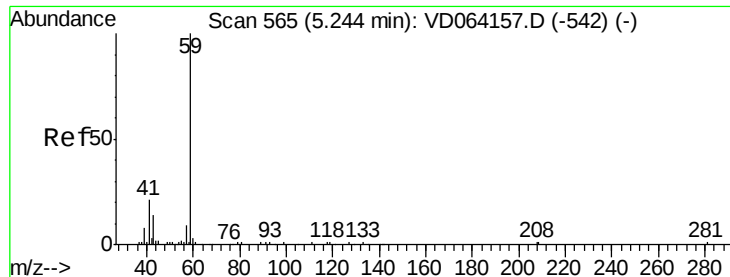
100

0

4.25 4.30

Time-->



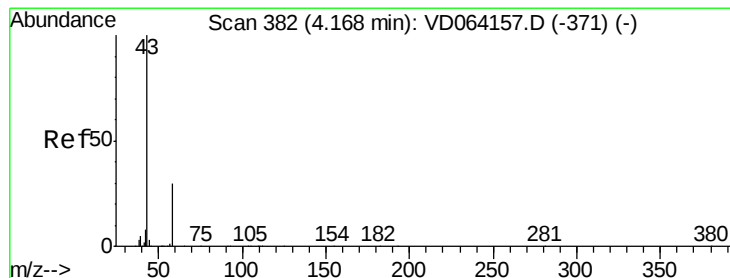
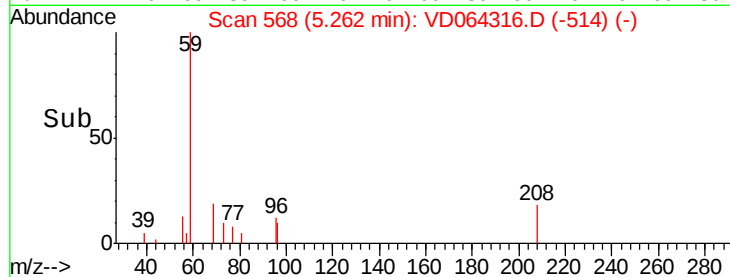
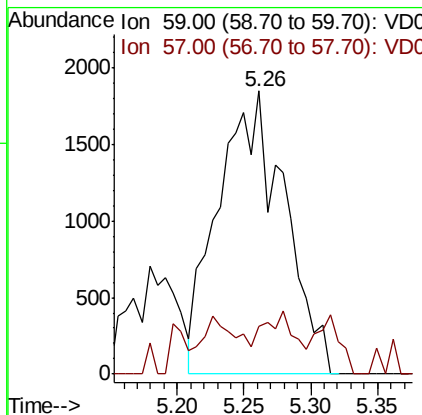
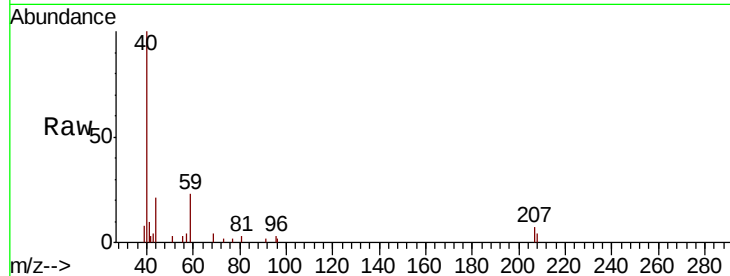


#11

Tert butyl alcohol
 Concen: 7.103 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064316.D
 Acq: 20 Nov 2019 16:44

Instrument :
 MSVOA_D
 ClientSampled :

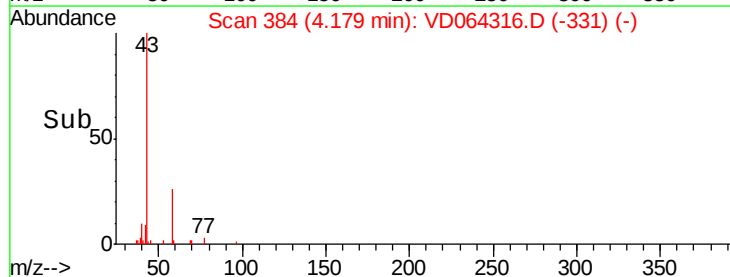
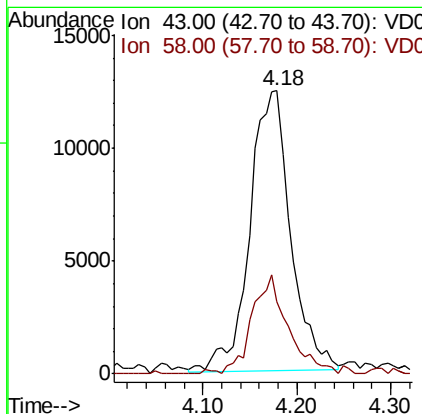
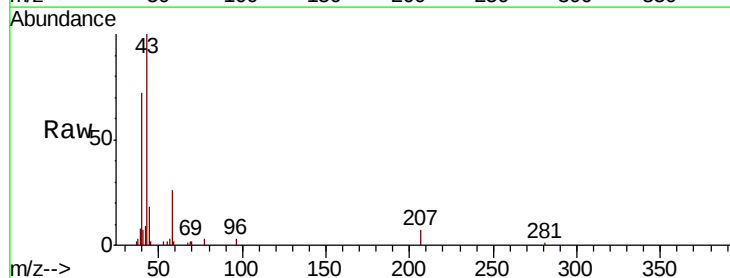
Tot Ion: 59 Resp: 6384
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.4 14.2

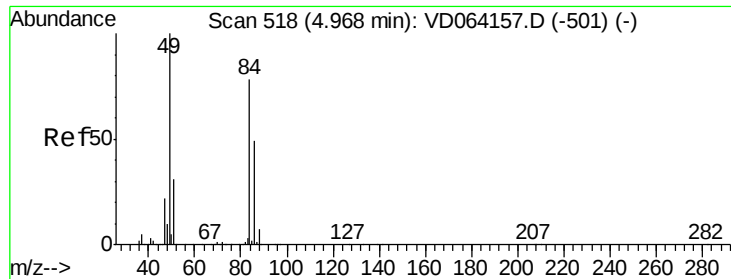


#16

Acetone
 Concen: 12.299 ug/l
 RT: 4.18 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD064316.D
 Acq: 20 Nov 2019 16:44

Tgt Ion: 43 Resp: 37495
 Ion Ratio Lower Upper
 43 100
 58 26.0 24.1 36.1

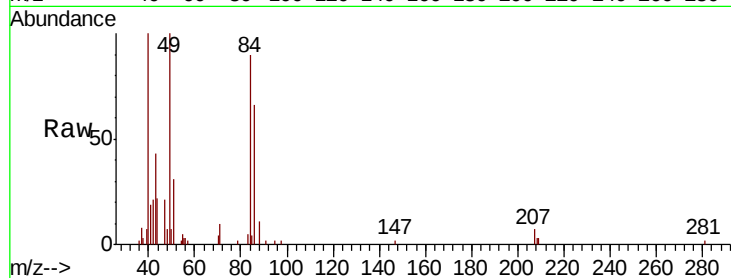




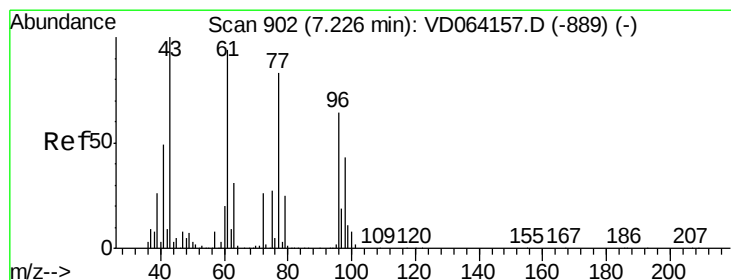
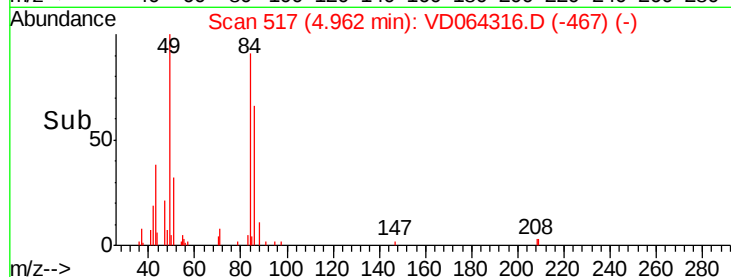
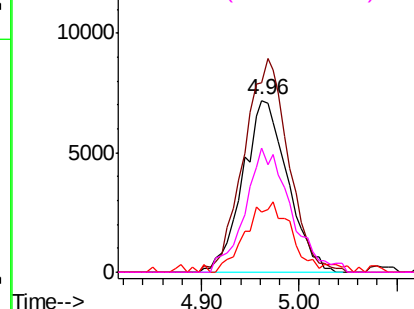
#20
Methylene Chloride
Concen: 1.498 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 23071
Ion Ratio Lower Upper
84 100
49 110.4 102.1 153.1
51 32.0 32.2 48.2#
86 72.6 49.9 74.9

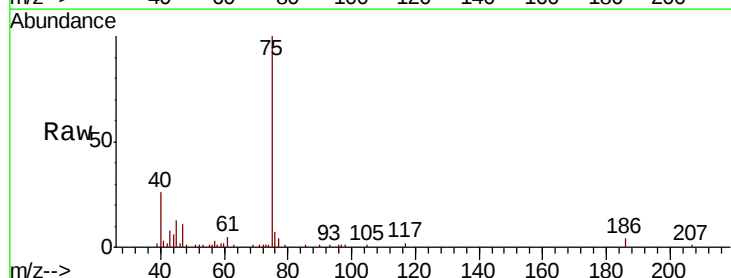


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

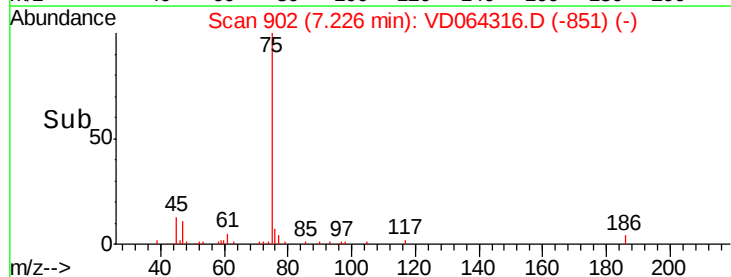
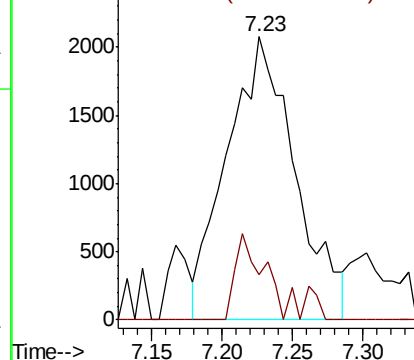


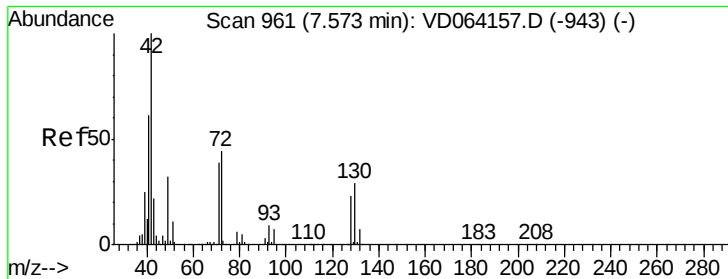
#25
2-Butanone
Concen: 1.778 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion: 43 Resp: 7004
Ion Ratio Lower Upper
43 100
72 18.3 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.056 ug/l

RT: 7.58 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

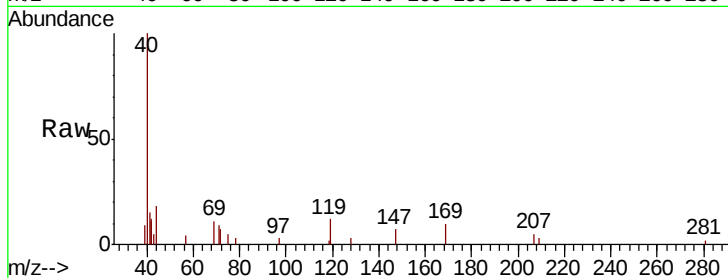
Tot Ion: 42 Resp: 2500

Ion Ratio Lower Upper

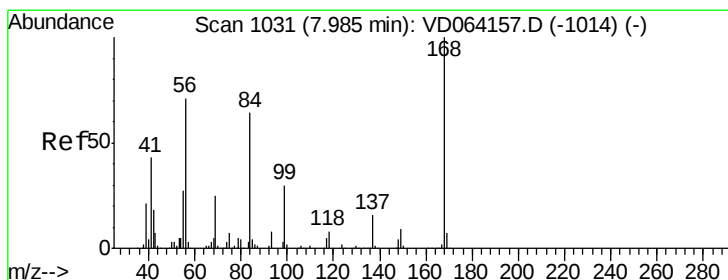
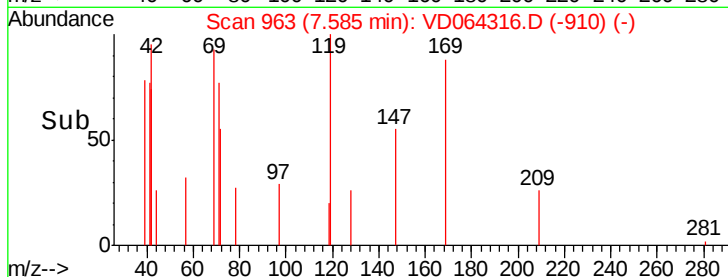
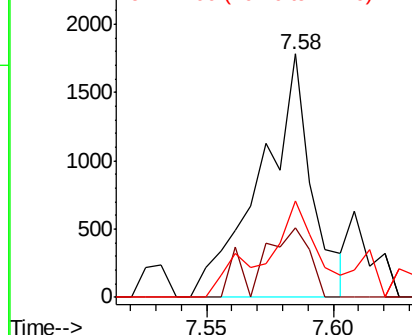
42 100

72 28.2 33.4 50.2#

71 40.7 31.0 46.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.763 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

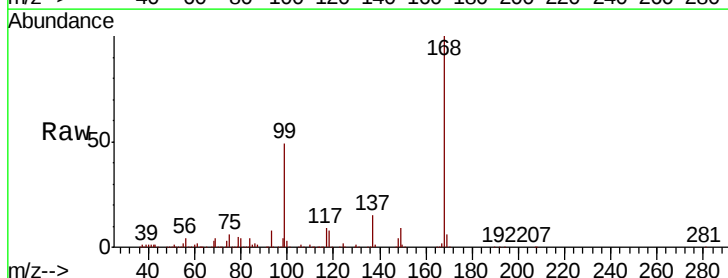
Tgt Ion: 56 Resp: 69779

Ion Ratio Lower Upper

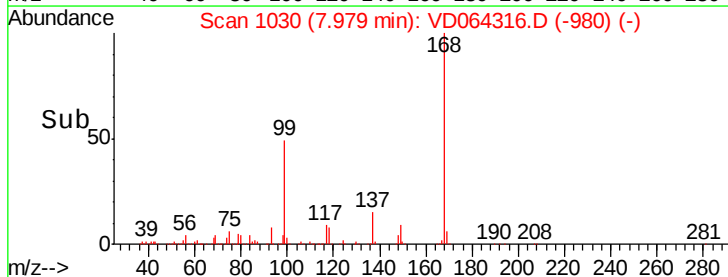
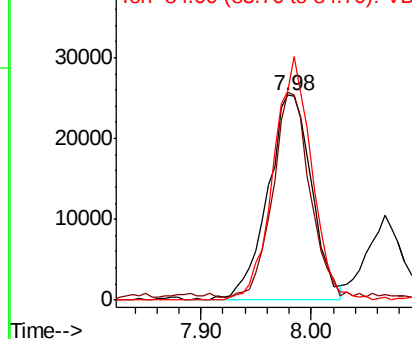
56 100

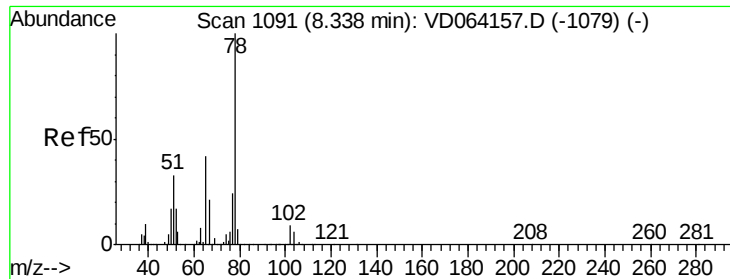
69 99.4 28.2 42.4#

84 102.1 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

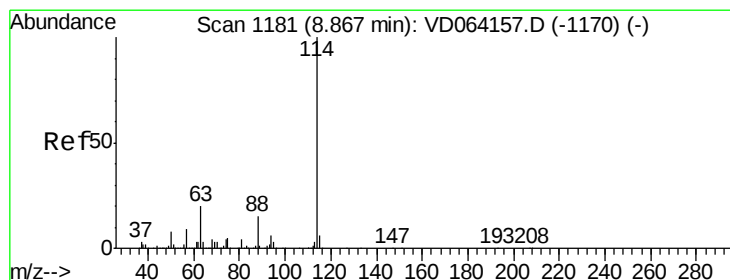
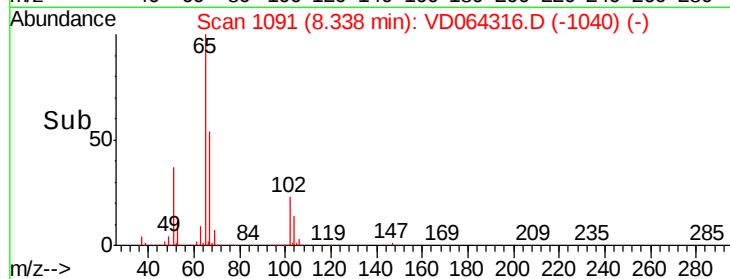
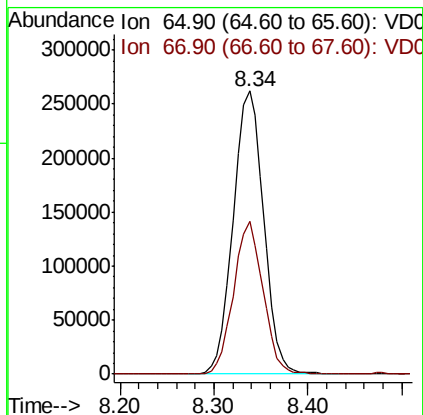
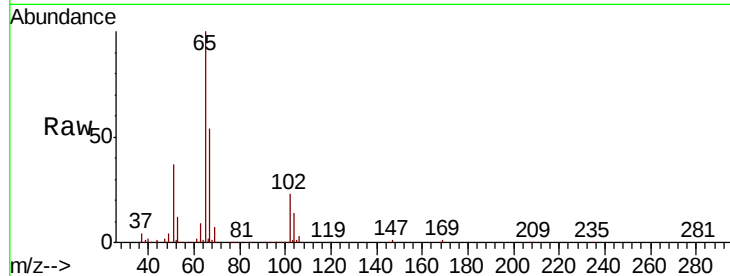




#33
 1,2-Dichloroethane-d4
 Concen: 45.864 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064316.D
 Acq: 20 Nov 2019 16:44

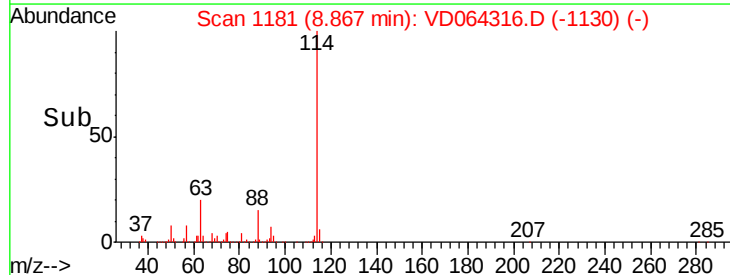
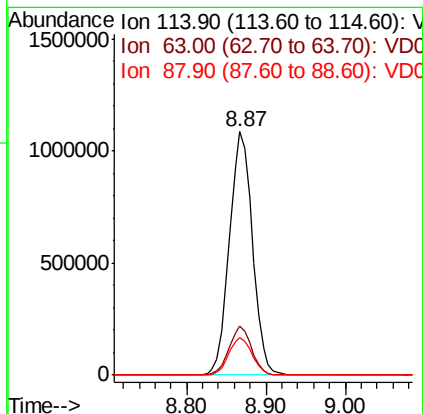
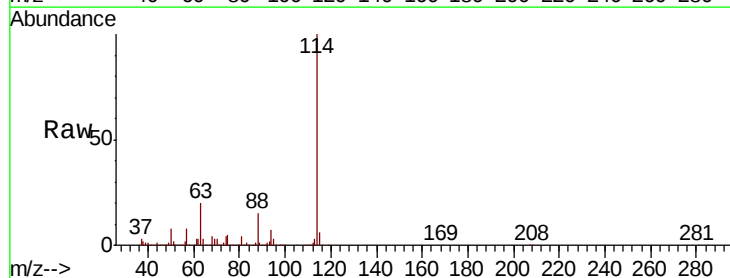
Instrument :
 MSVOA_D
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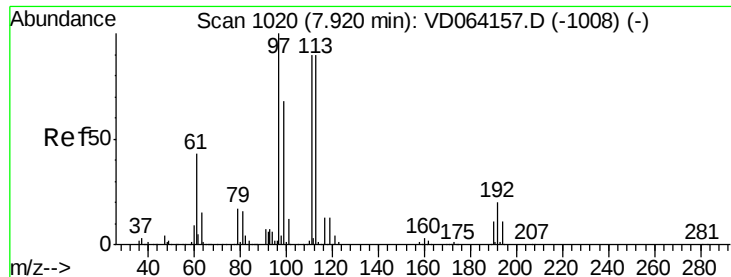
Tot Ion: 65 Resp: 590210
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064316.D
 Acq: 20 Nov 2019 16:44

Tgt Ion: 114 Resp: 2195621
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.5 0.0 30.2

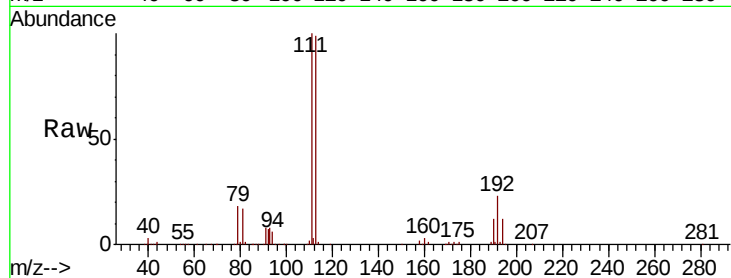




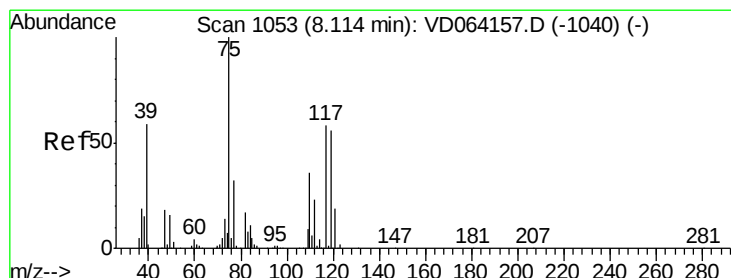
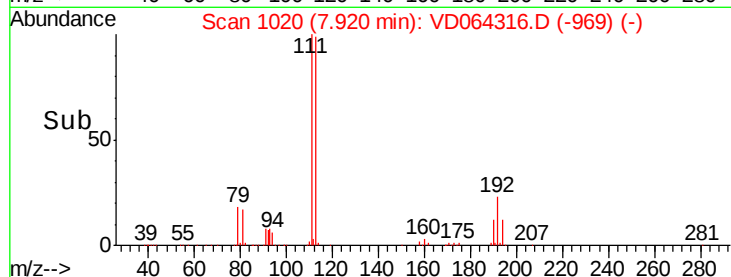
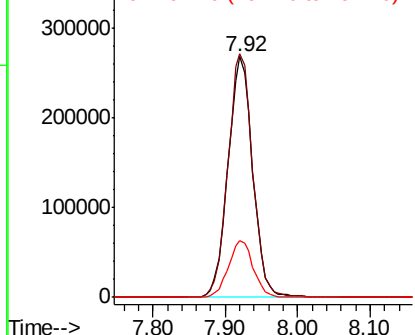
#35
Dibromofluoromethane
Concen: 50.307 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.5	122.3
192	23.6	18.8	28.2

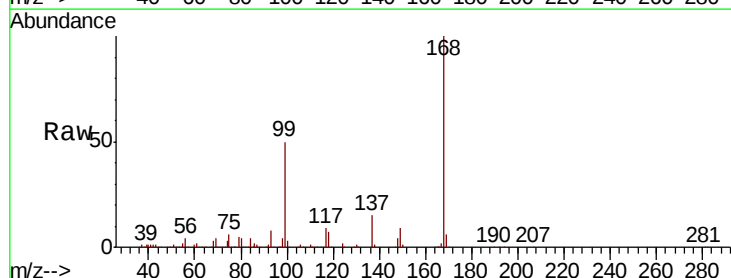


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

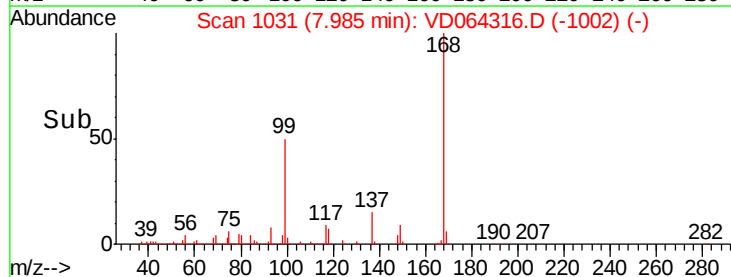
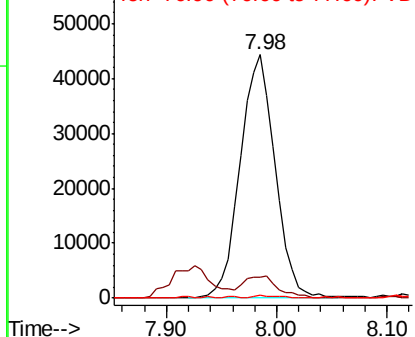


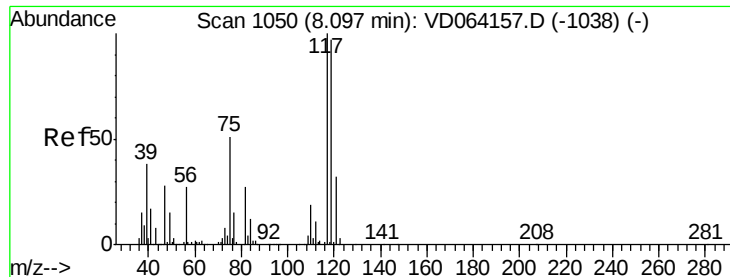
#36
1,1-Dichloropropene
Concen: 4.867 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.7	25.0	37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.394 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

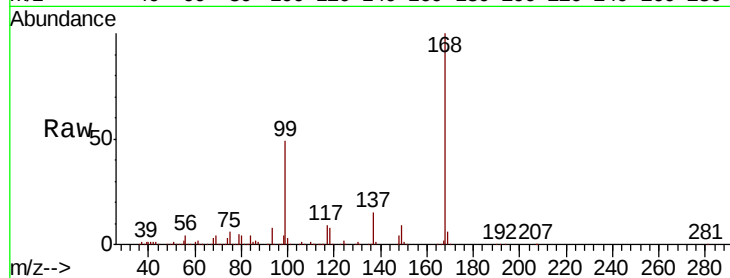
Tot Ion:117 Resp: 138637

Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

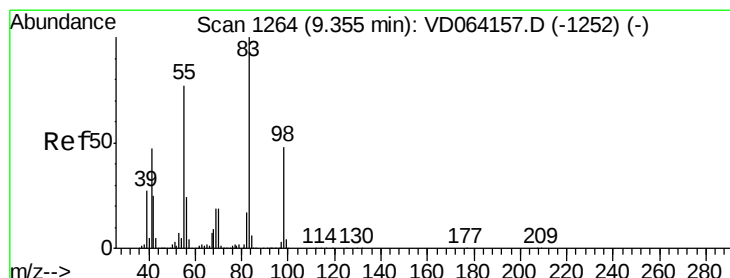
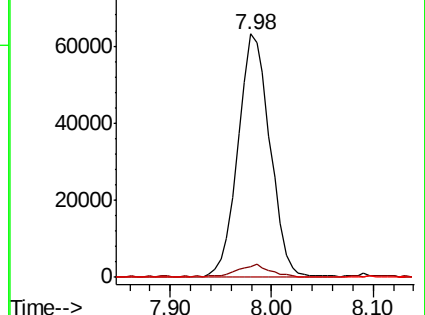
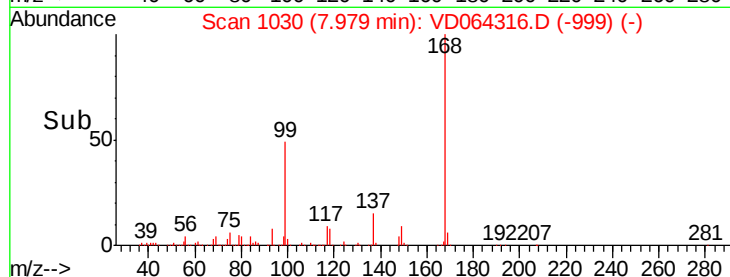
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 7.858 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

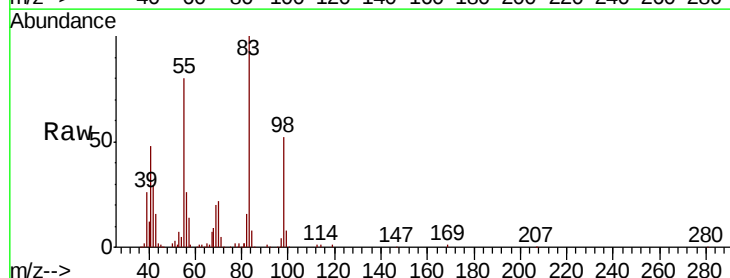
Tgt Ion: 83 Resp: 201480

Ion Ratio Lower Upper

83 100

55 79.6 61.7 92.5

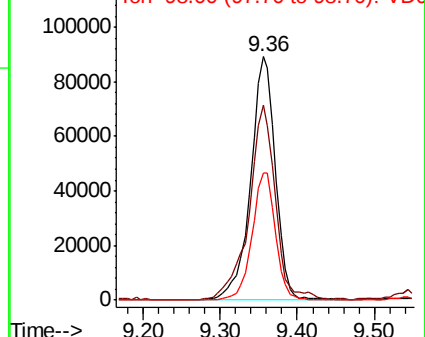
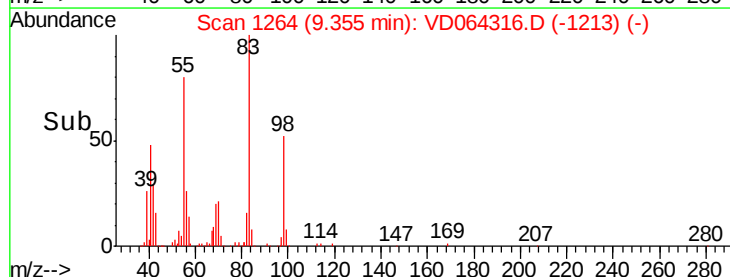
98 52.4 38.6 58.0

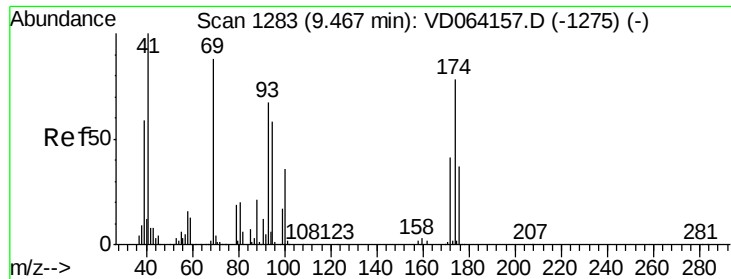


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC

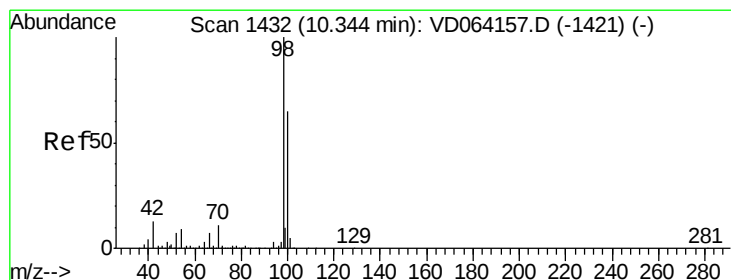
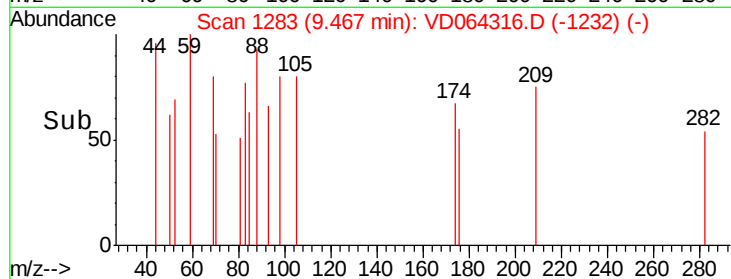
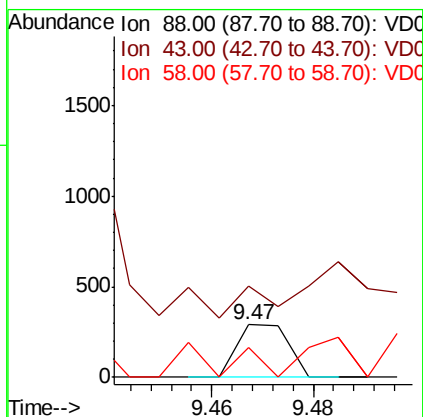
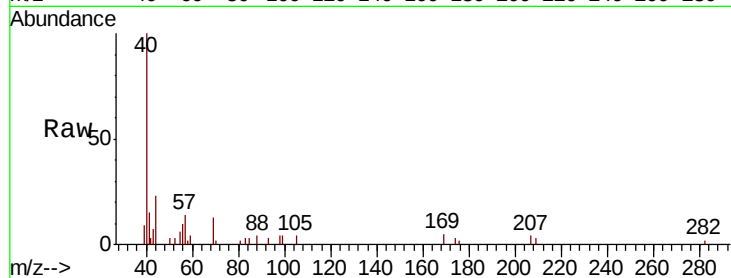




#49
1,4-Dioxane
Concen: 2.354 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

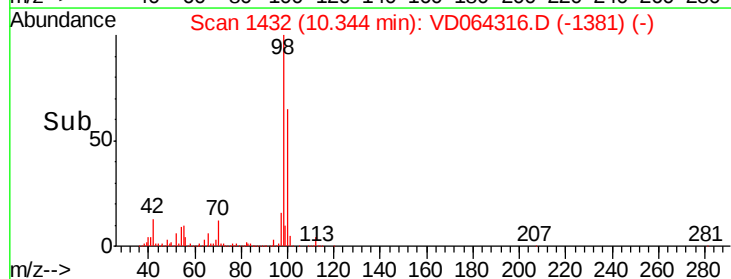
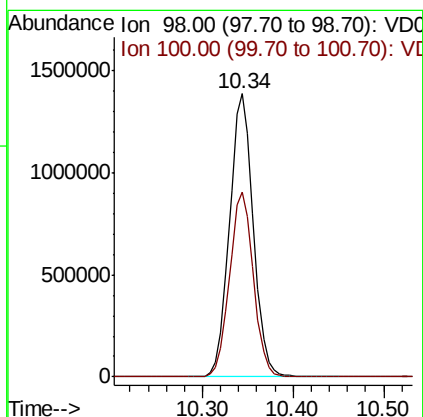
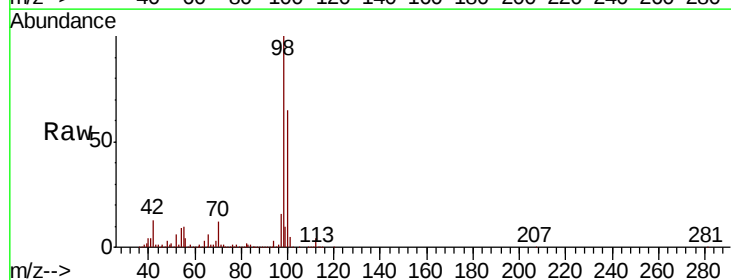
Instrument :
MSVOA_D
ClientSampleId :

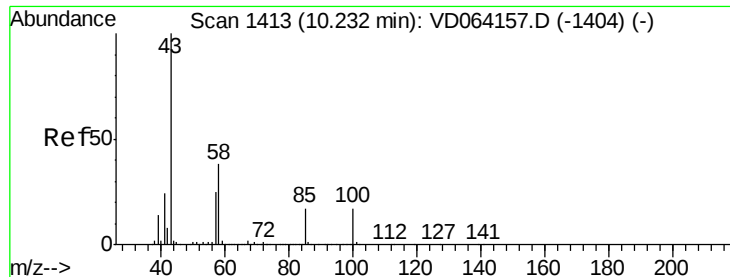
Tot Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.8#
58 33.3 58.1 87.1#



#50
Toluene-d8
Concen: 53.244 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion: 98 Resp: 2531448
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

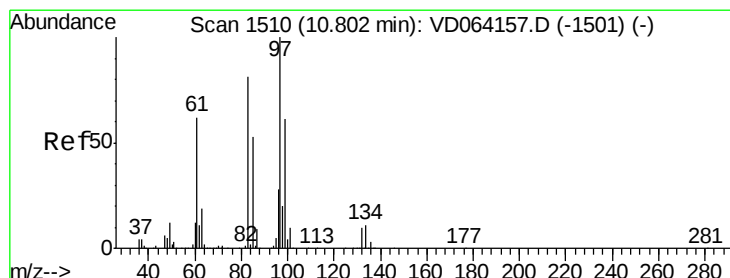
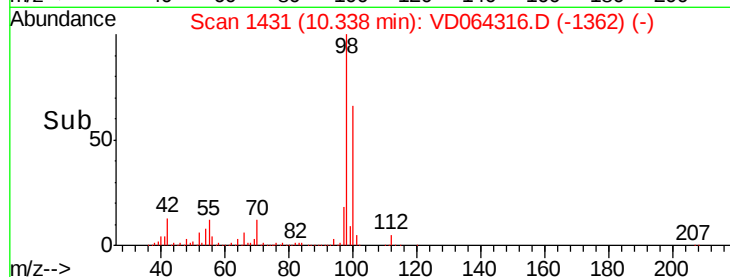
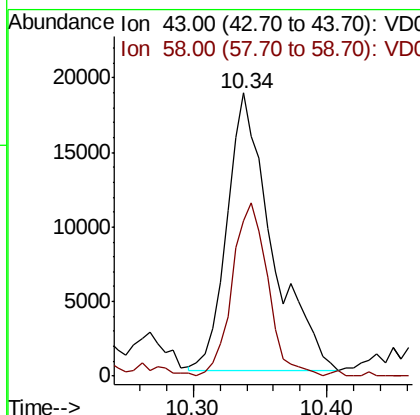
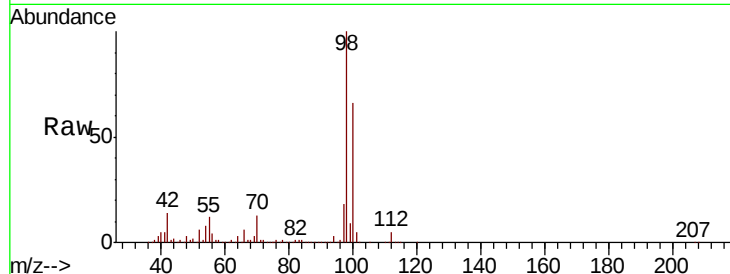




#51
4-Methyl-2-Pentanone
Concen: 5.161 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

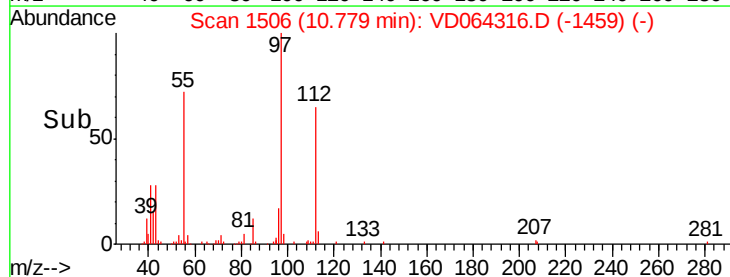
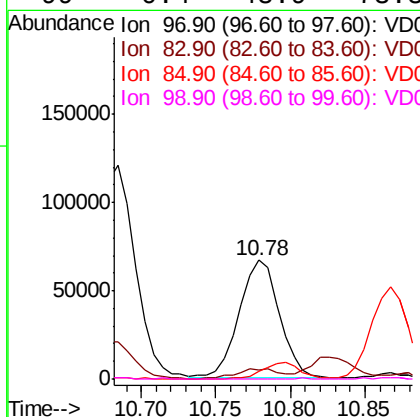
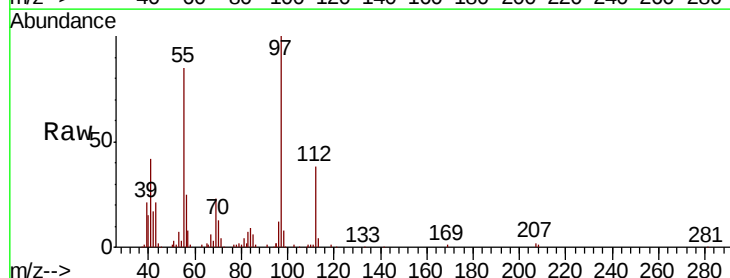
Instrument :
MSVOA_D
ClientSampleId :

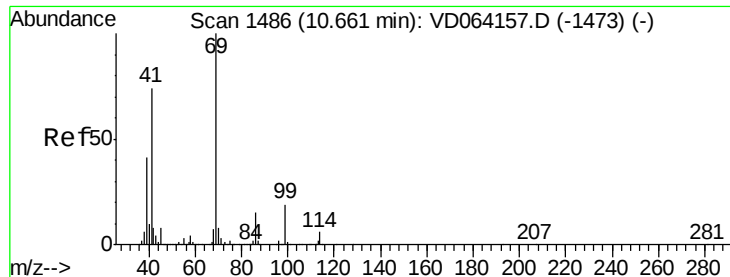
Tot Ion: 43 Resp: 43561
Ion Ratio Lower Upper
43 100
58 49.2 30.2 45.4#



#55
1,1,2-Trichloroethane
Concen: 12.914 ug/l
RT: 10.78 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion: 97 Resp: 126427
Ion Ratio Lower Upper
97 100
83 7.6 65.1 97.7#
85 6.2 42.0 63.0#
99 0.4 48.9 73.3#





#56

Ethyl methacrylate

Concen: 2.616 ug/l

RT: 10.64 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

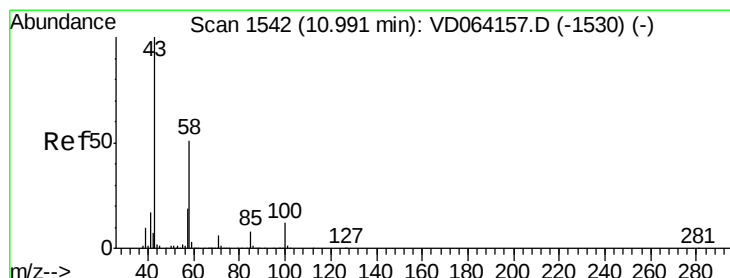
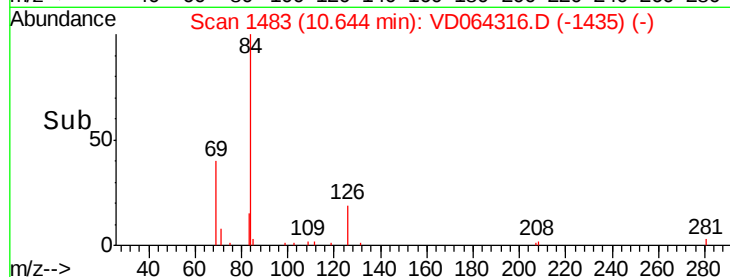
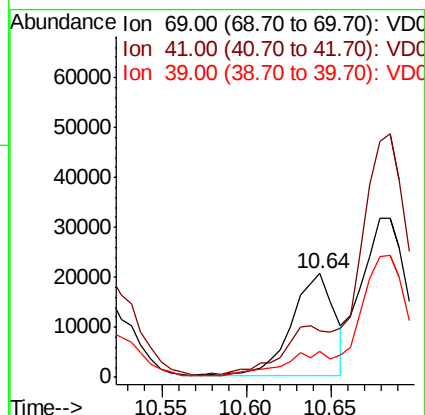
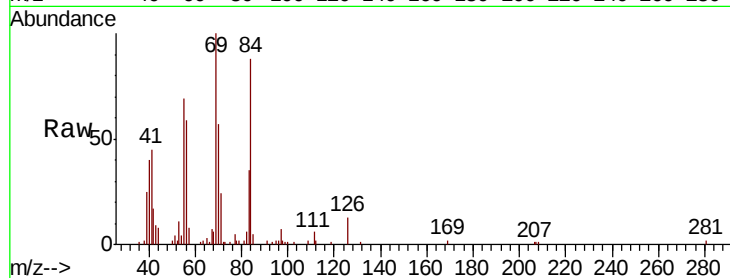
Tot Ion: 69 Resp: 35821

Ion Ratio Lower Upper

69 100

41 54.6 57.9 86.9#

39 25.1 29.0 43.4#



#59

2-Hexanone

Concen: 80.156 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.04 min

Lab File: VD064316.D

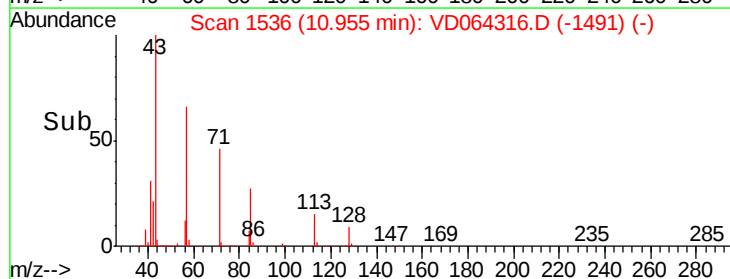
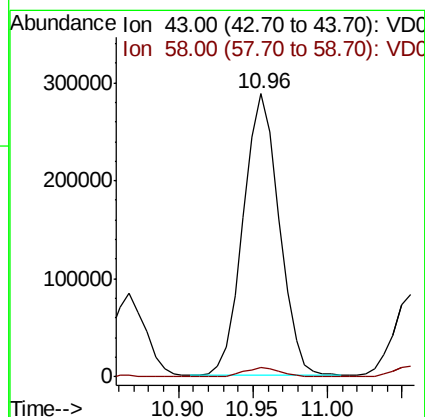
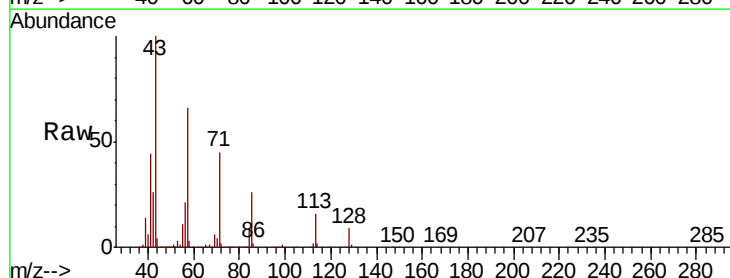
Acq: 20 Nov 2019 16:44

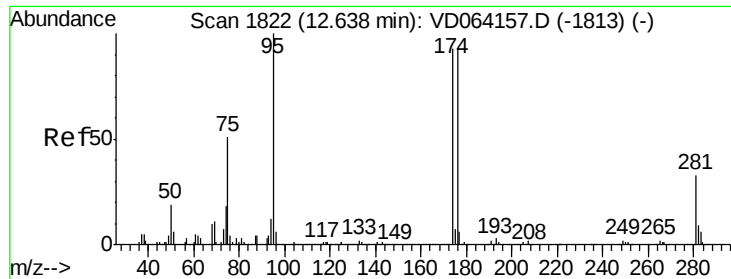
Tgt Ion: 43 Resp: 481341

Ion Ratio Lower Upper

43 100

58 3.4 25.9 77.7#





#62

4-Bromofluorobenzene

Concen: 57.058 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

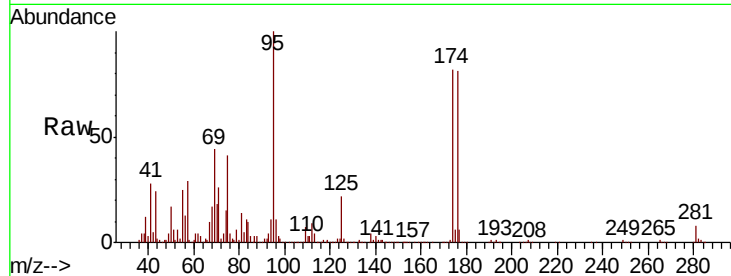
Tot Ion: 95 Resp: 939459

Ion Ratio Lower Upper

95 100

174 80.8 0.0 183.6

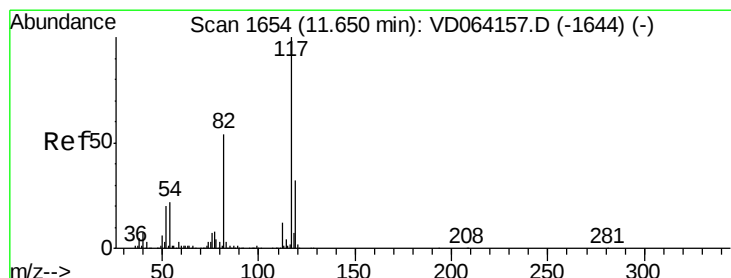
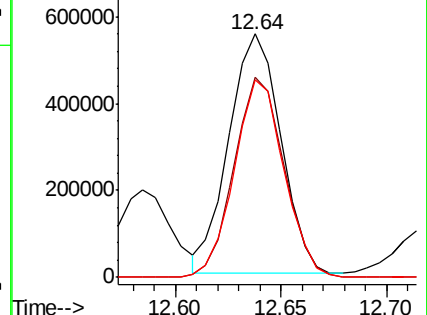
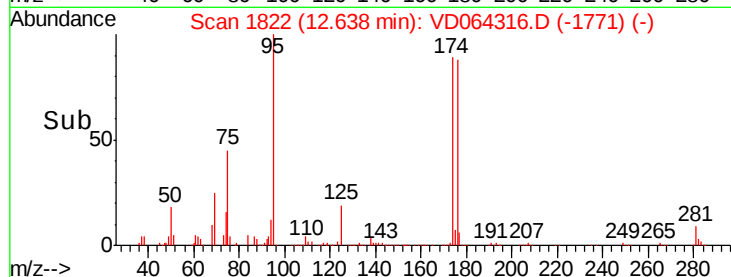
176 79.1 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

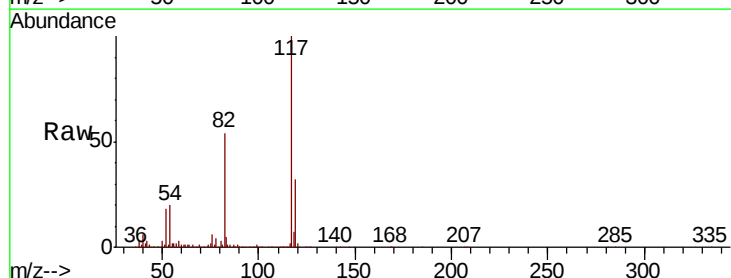
Tgt Ion: 117 Resp: 1854556

Ion Ratio Lower Upper

117 100

82 51.8 42.8 64.2

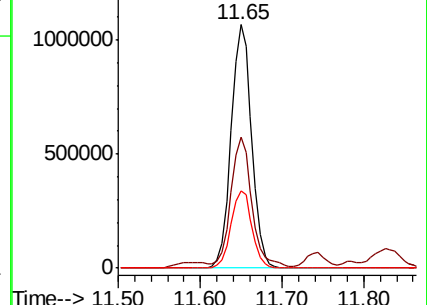
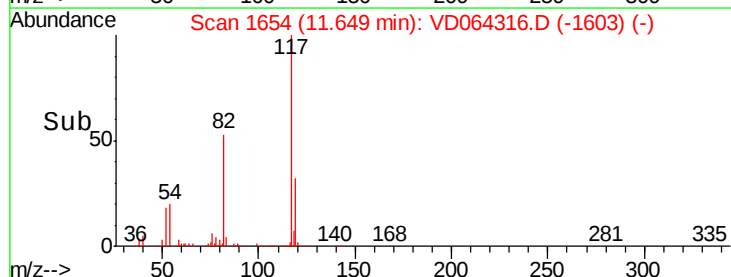
119 31.8 25.6 38.4

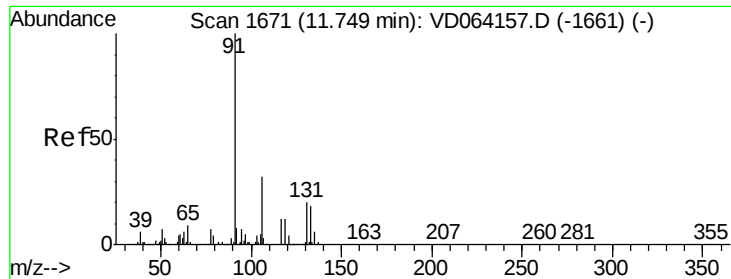


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

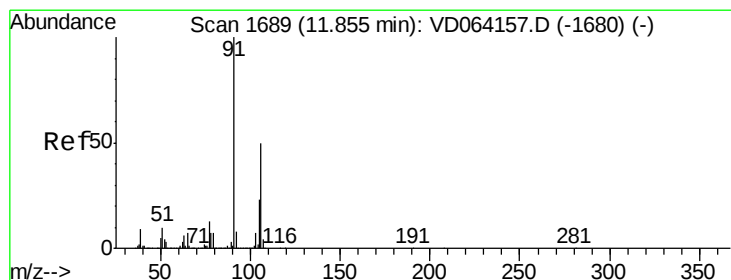
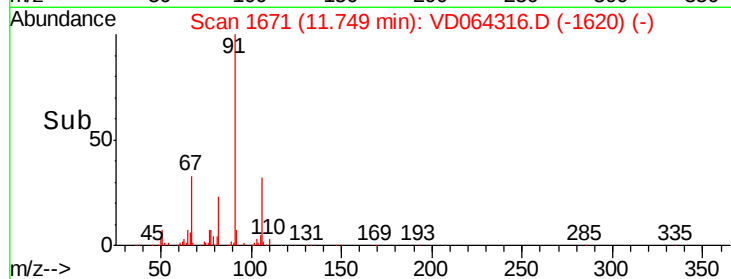
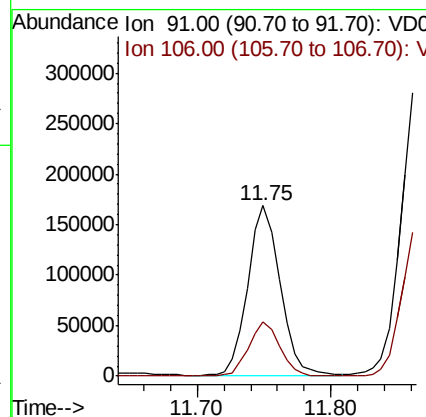
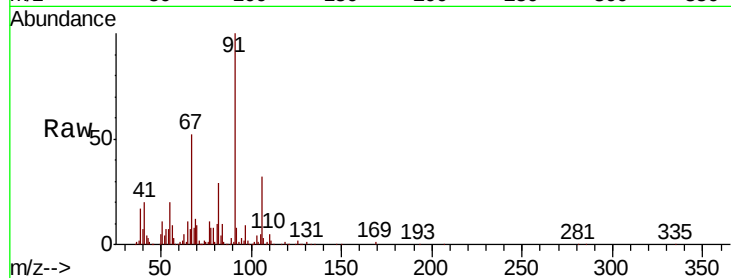




#67
Ethyl Benzene
Concen: 4.135 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

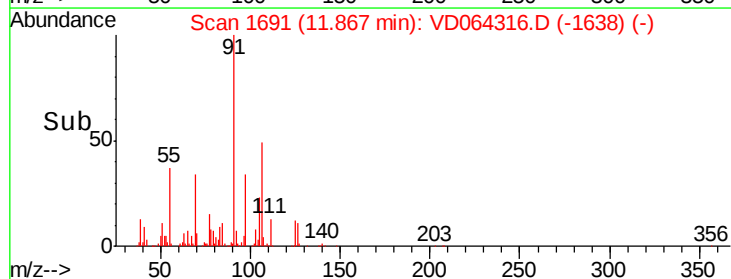
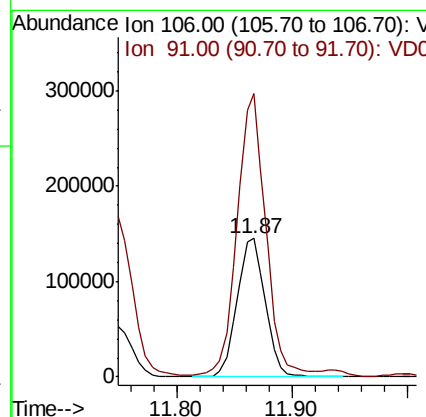
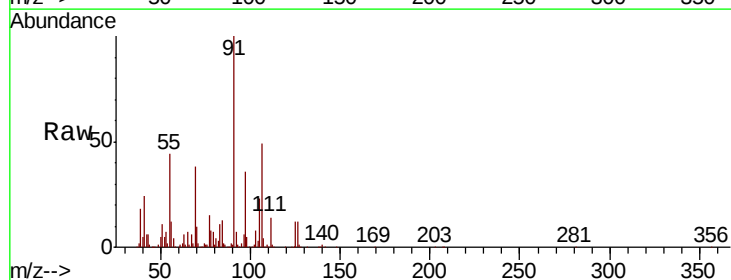
Instrument :
MSVOA_D
ClientSampleId :

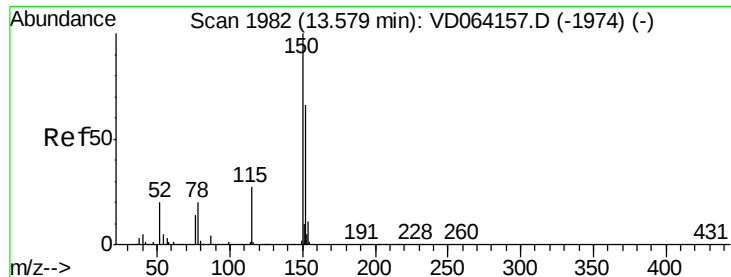
Tot Ion: 91 Resp: 282103
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 9.353 ug/l
RT: 11.87 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion:106 Resp: 244549
Ion Ratio Lower Upper
106 100
91 208.3 160.3 240.5



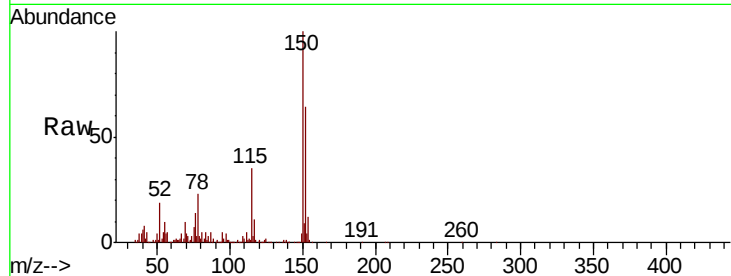


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.4	82.2
150	150.3	0.0	351.6

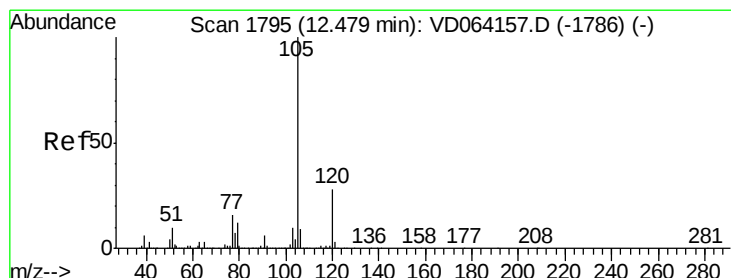
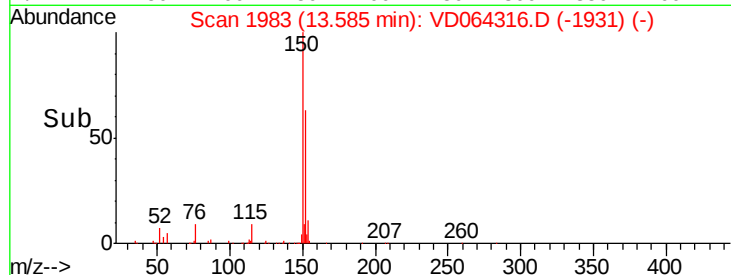
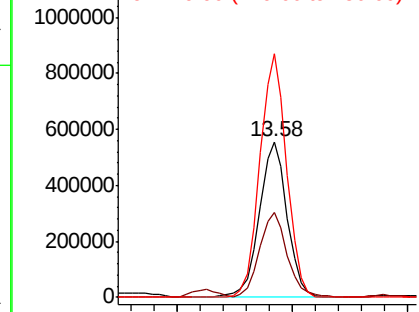


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

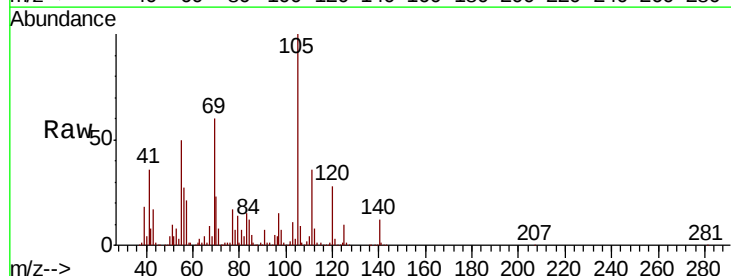
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 13.313 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

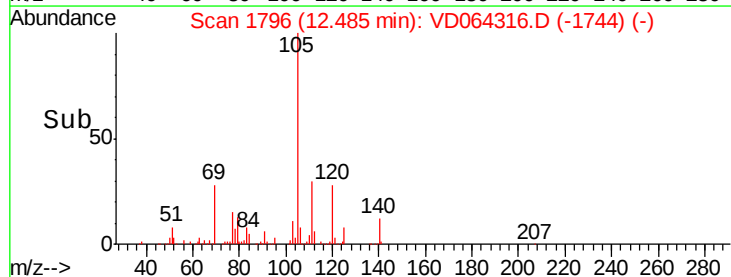
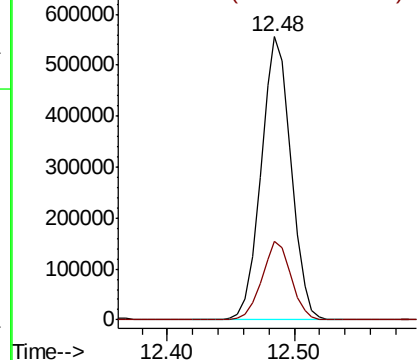
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.8

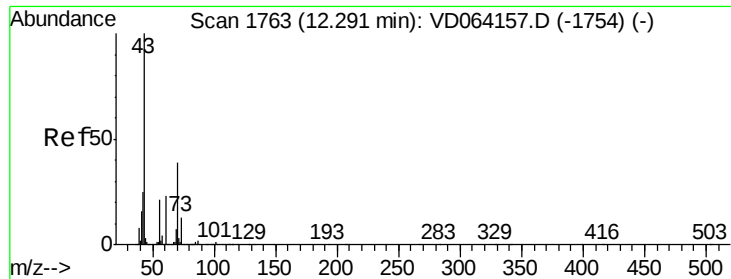


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 123.344 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 1990379

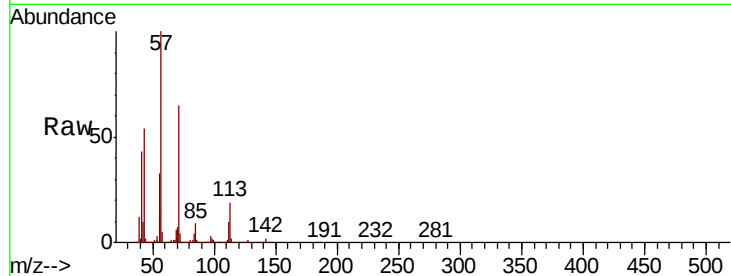
Ion Ratio Lower Upper

43 100

70 17.6 32.4 48.6#

55 14.1 17.9 26.9#

61 0.0 19.0 28.4#

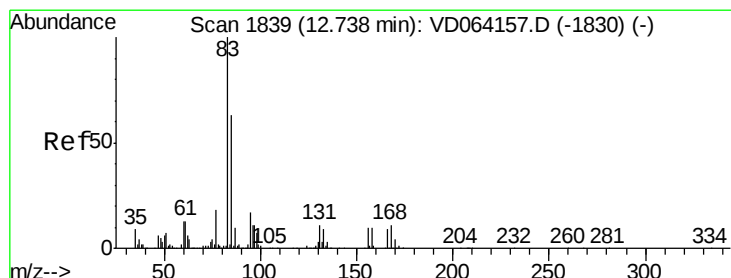
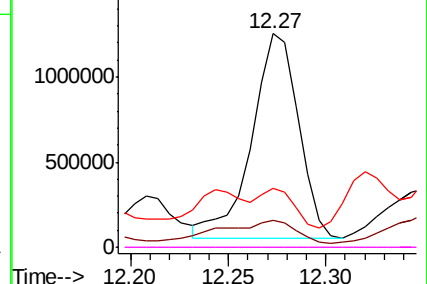
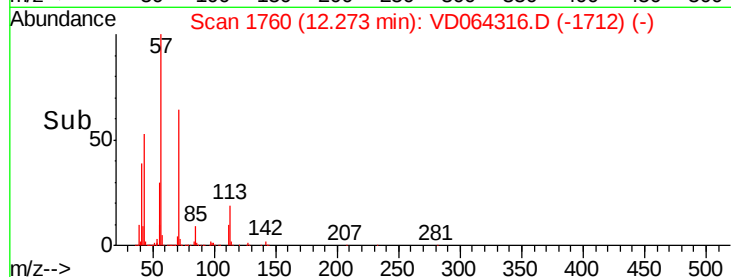


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 12.462 ug/l

RT: 12.71 min Scan# 1834

Delta R.T. -0.03 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

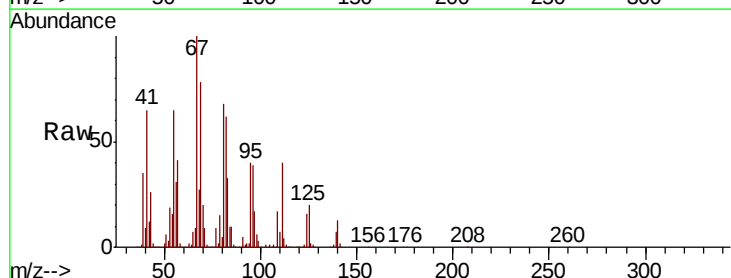
Tgt Ion: 83 Resp: 128315

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

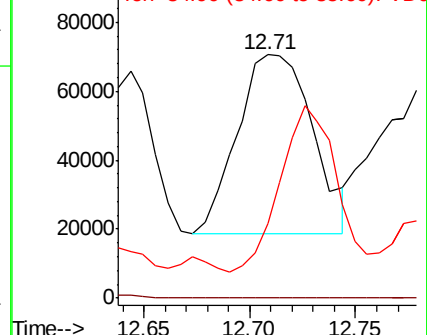
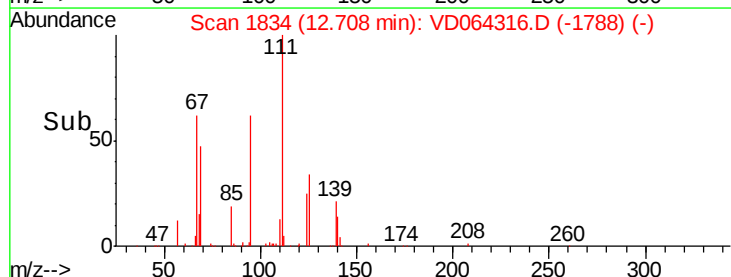
85 68.9 32.5 97.5

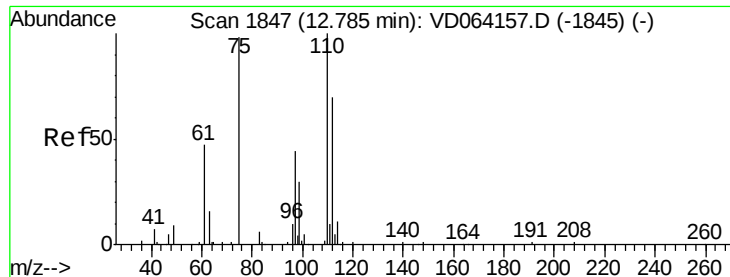


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 2.021 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.04 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

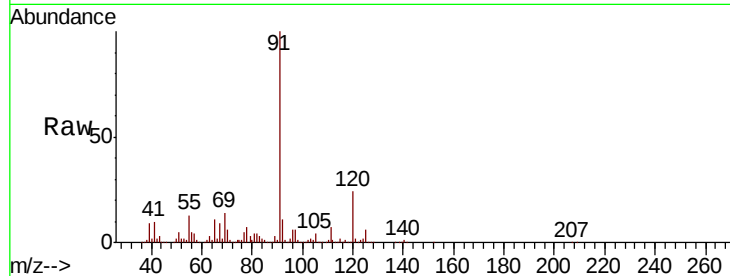
ClientSampled :

Tot Ion: 75 Resp: 15154

Ion Ratio Lower Upper

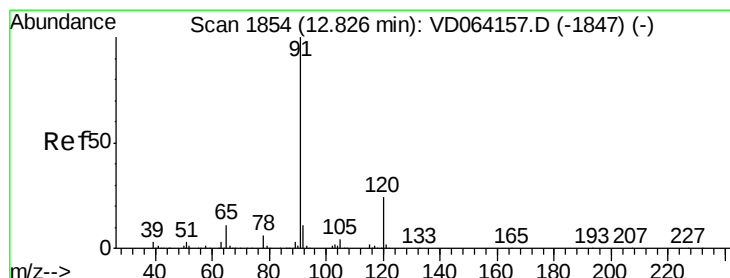
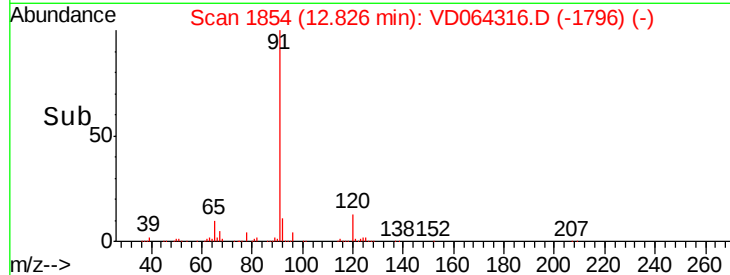
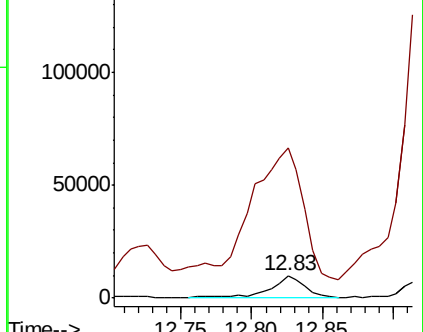
75 100

77 1037.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#78

n-propylbenzene

Concen: 29.325 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064316.D

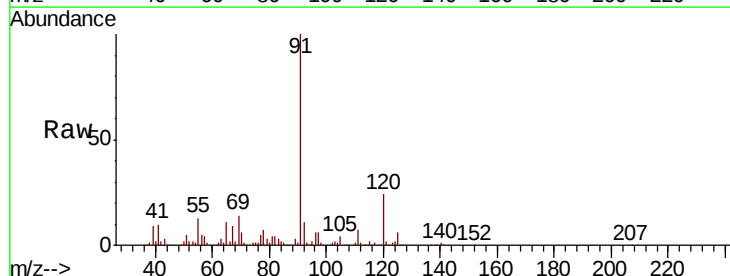
Acq: 20 Nov 2019 16:44

Tgt Ion: 91 Resp: 2289432

Ion Ratio Lower Upper

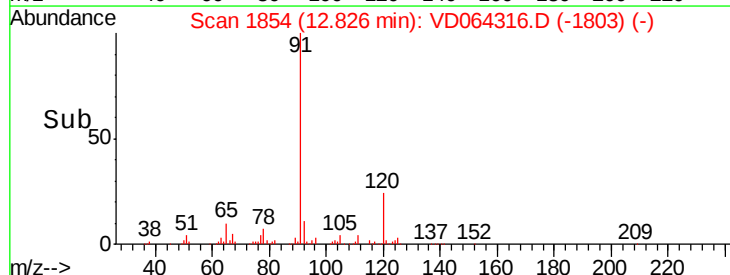
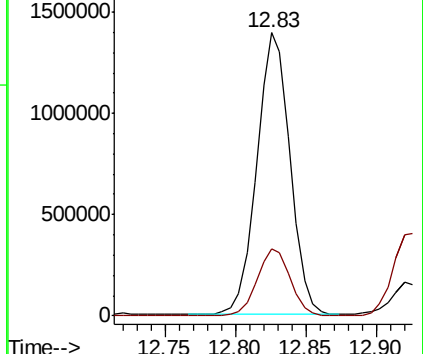
91 100

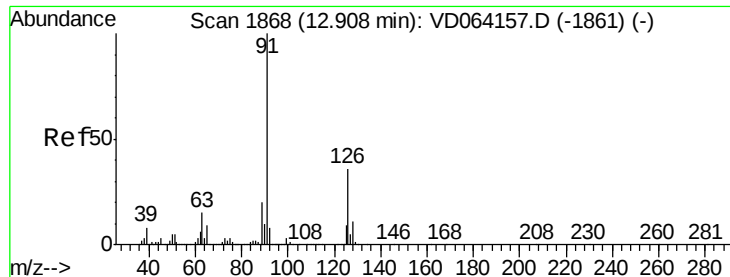
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC





#79

2-Chlorotoluene

Concen: 6.452 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

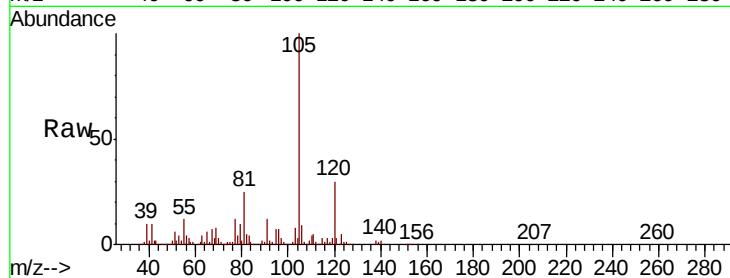
ClientSampled :

Tot Ion: 91 Resp: 284395

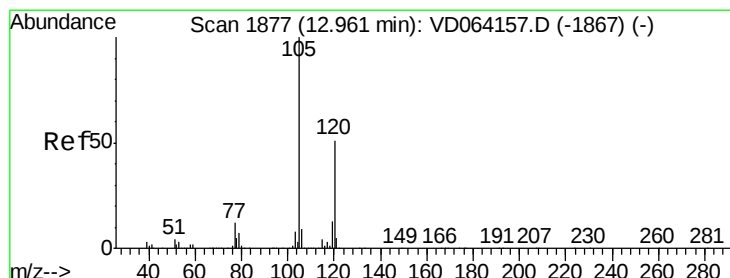
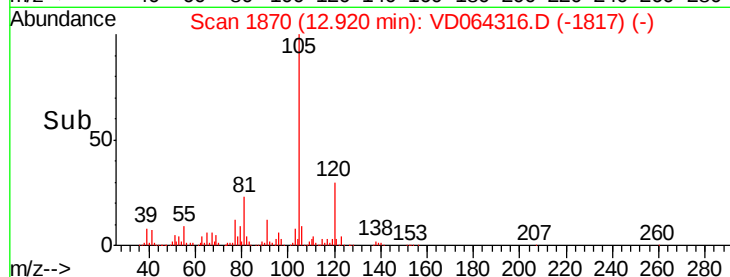
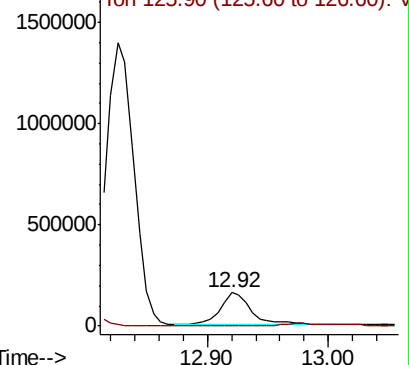
Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 38.928 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. -0.04 min

Lab File: VD064316.D

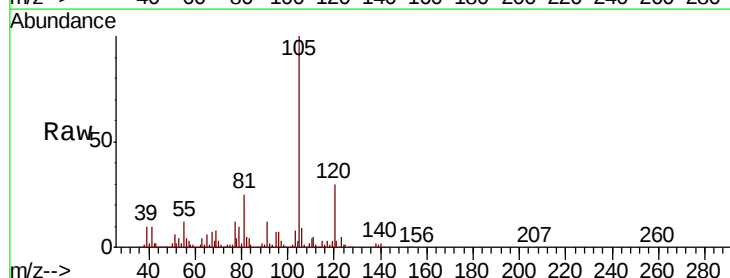
Acq: 20 Nov 2019 16:44

Tgt Ion: 105 Resp: 2185790

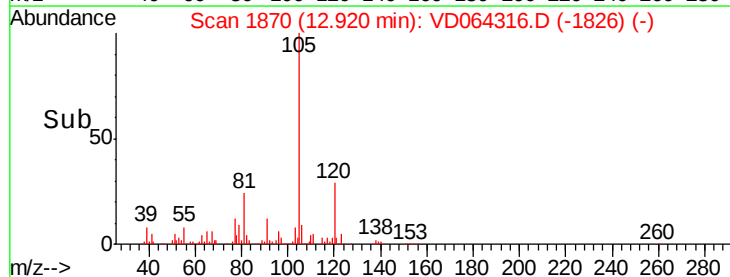
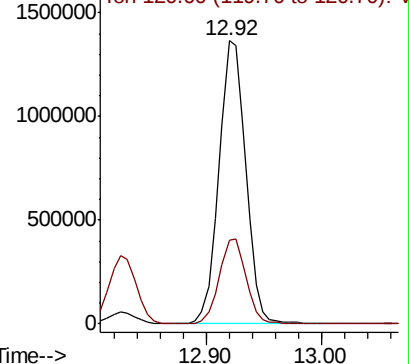
Ion Ratio Lower Upper

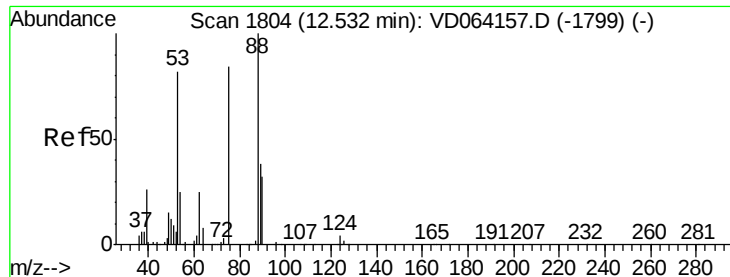
105 100

120 30.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.850 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

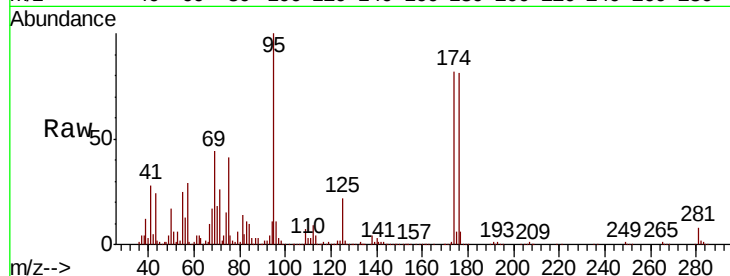
Tot Ion: 75 Resp: 395816

Ion Ratio Lower Upper

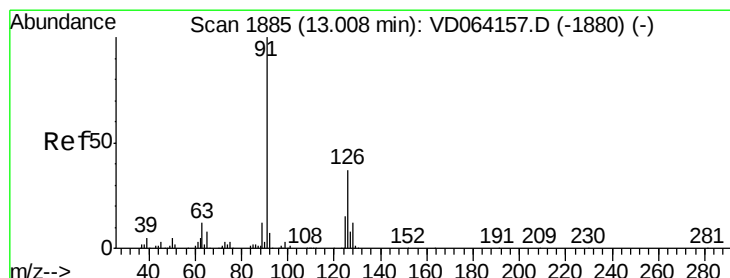
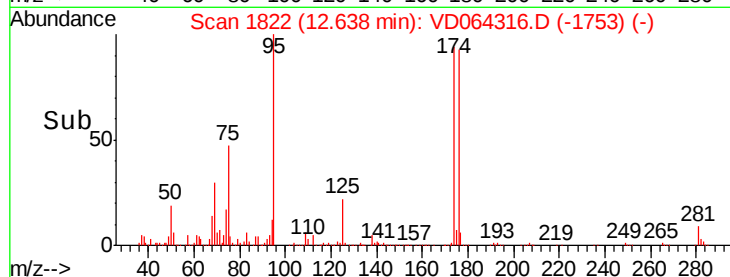
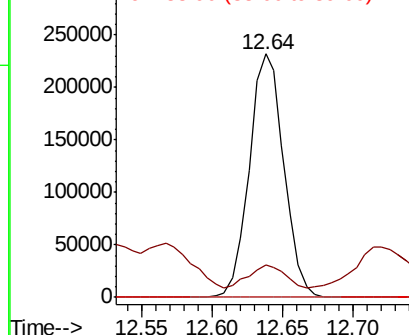
75 100

53 9.5 79.4 119.0#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 6.186 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. -0.09 min

Lab File: VD064316.D

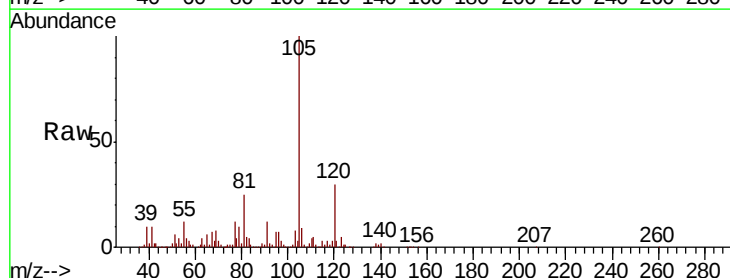
Acq: 20 Nov 2019 16:44

Tgt Ion: 91 Resp: 284395

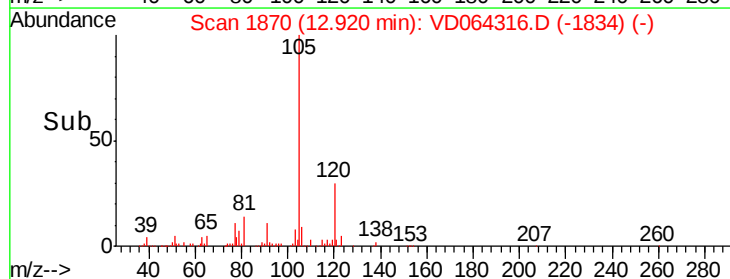
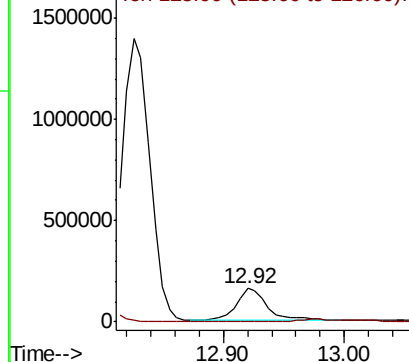
Ion Ratio Lower Upper

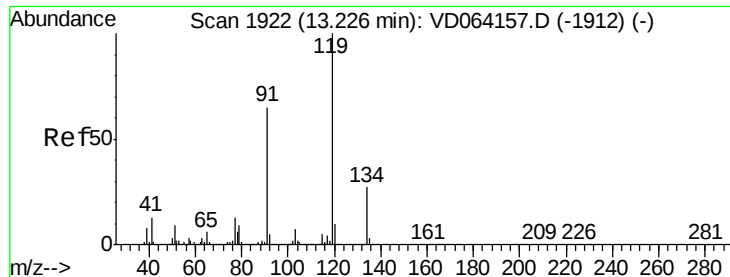
91 100

126 0.0 17.8 53.4#



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

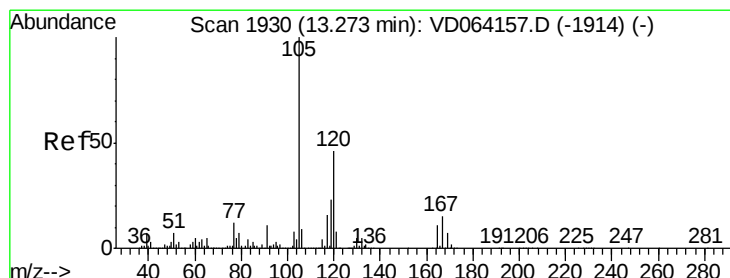
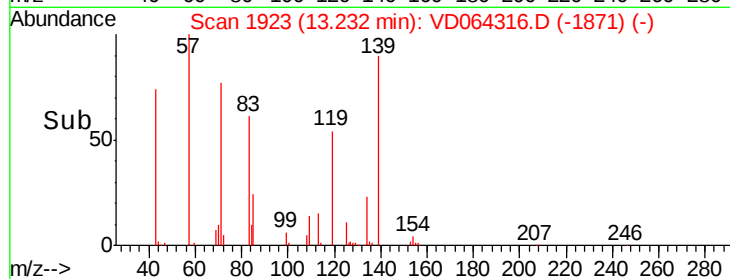
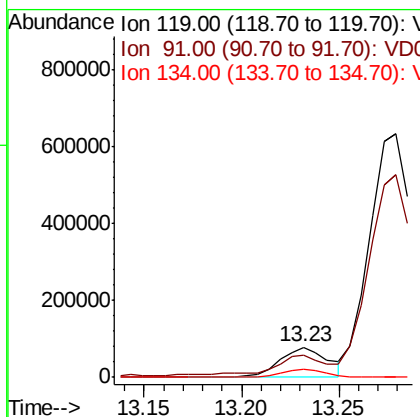
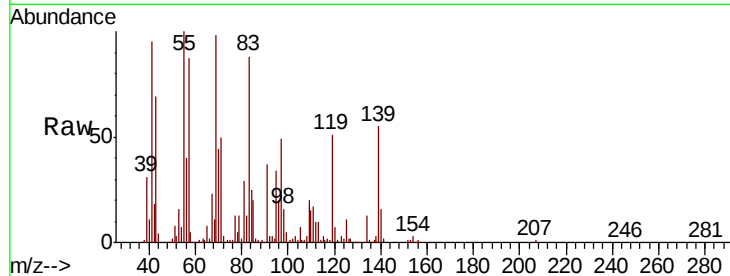




#83
tert-Butylbenzene
Concen: 2.568 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

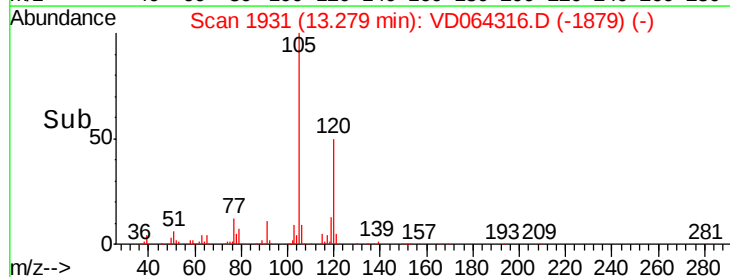
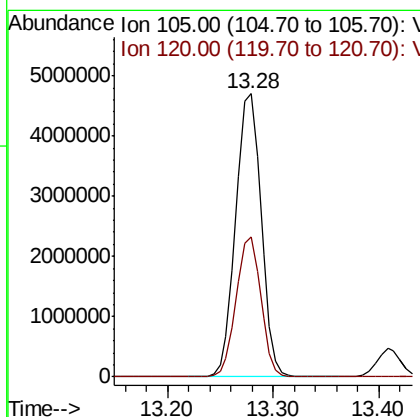
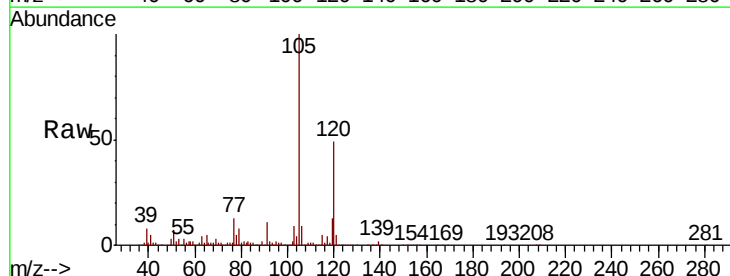
Instrument :
MSVOA_D
ClientSampleId :

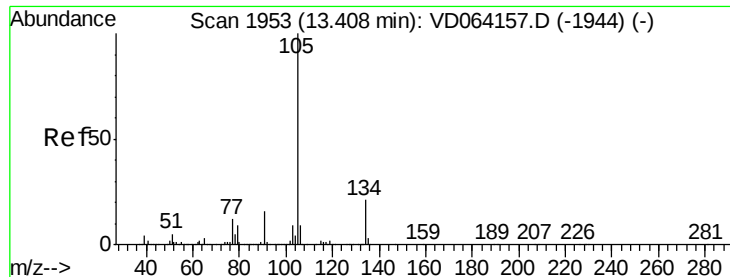
Tot Ion:119 Resp: 127165
Ion Ratio Lower Upper
119 100
91 77.5 31.8 95.4
134 26.1 13.7 41.0



#84
1,2,4-Trimethylbenzene
Concen: 140.752 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion:105 Resp: 7802509
Ion Ratio Lower Upper
105 100
120 48.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 11.076 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

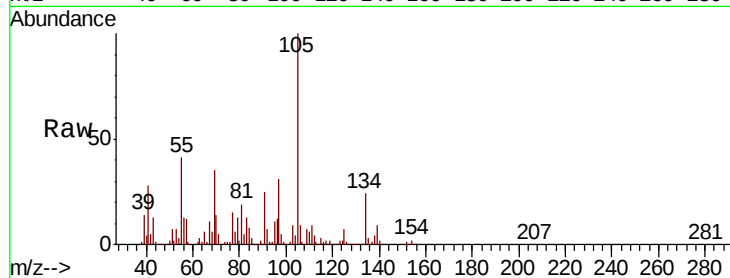
ClientSampleId :

Tot Ion:105 Resp: 736550

Ion Ratio Lower Upper

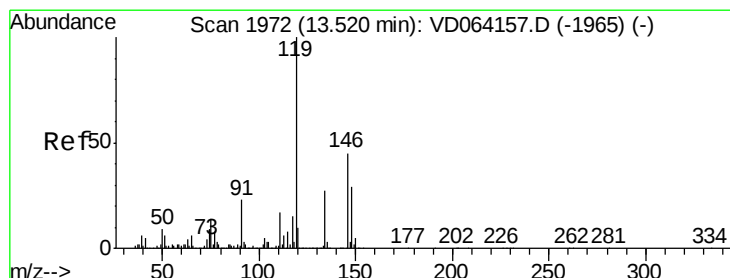
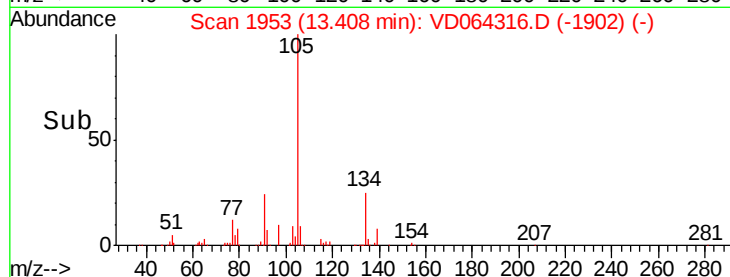
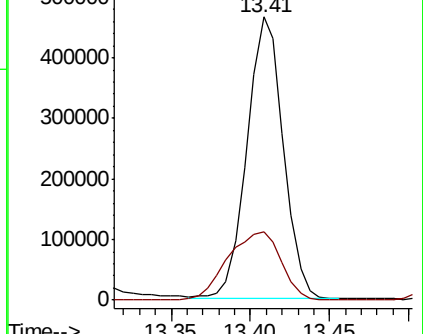
105 100

134 35.6 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.227 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

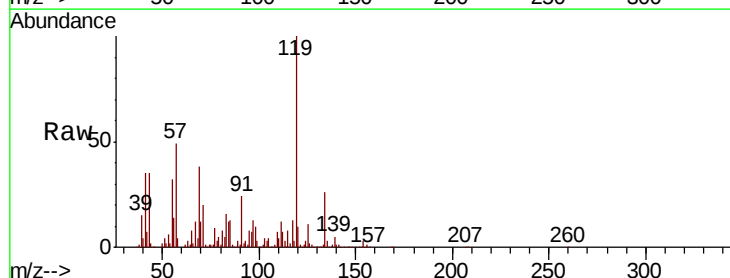
Tgt Ion:119 Resp: 583338

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

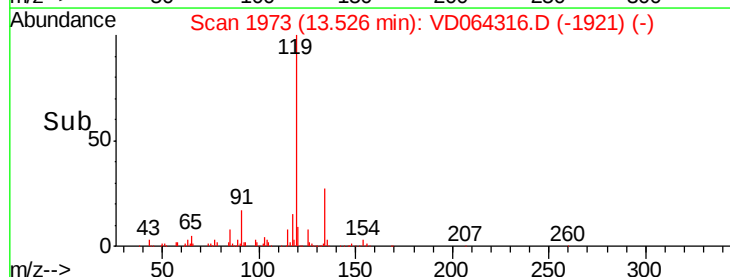
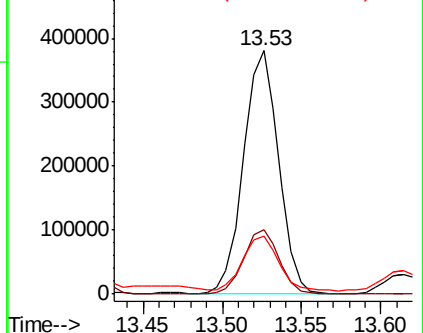
91 23.2 11.5 34.4

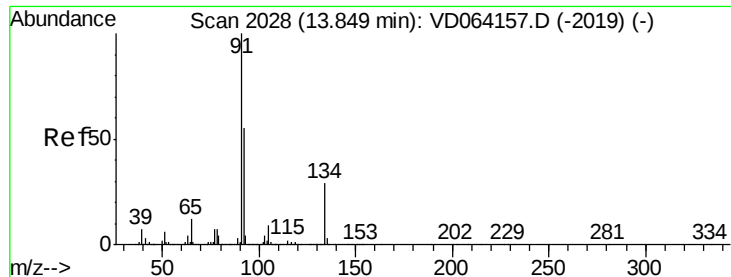


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

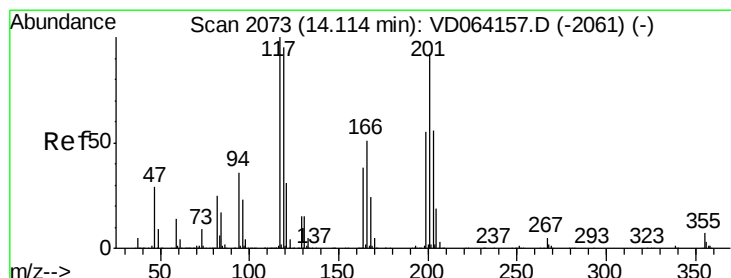
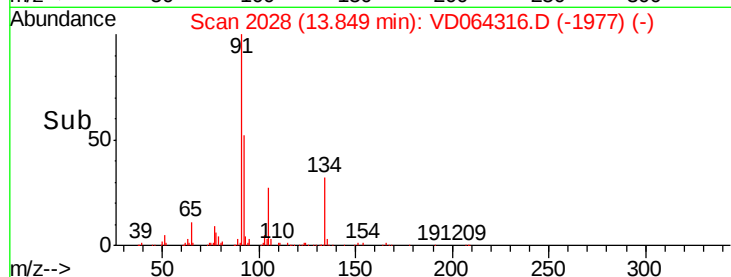
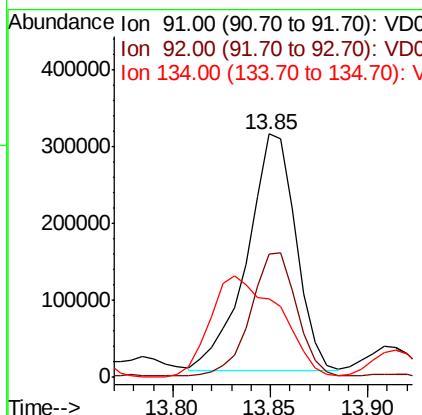
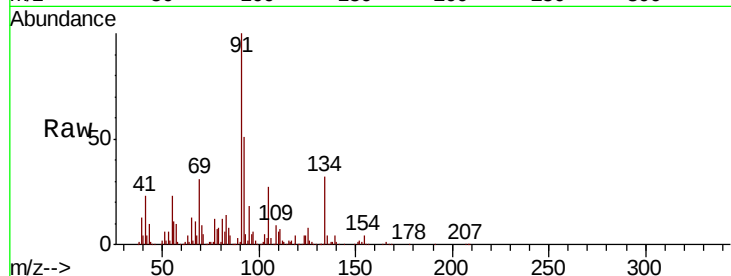




#89
n-Butylbenzene
Concen: 9.337 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

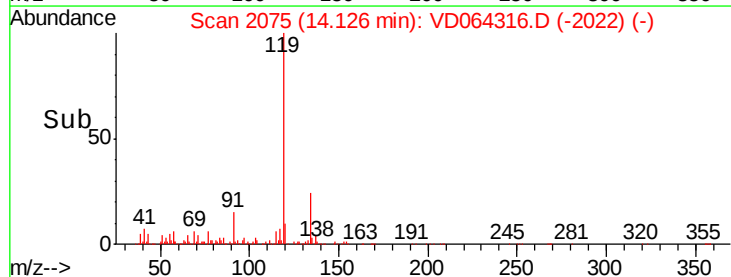
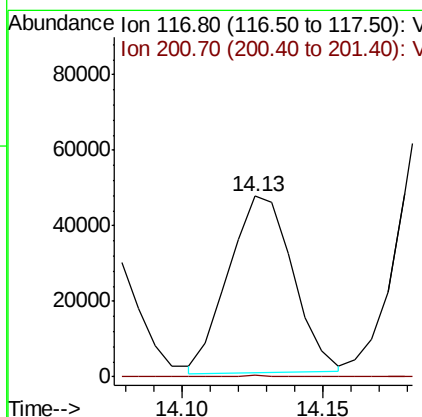
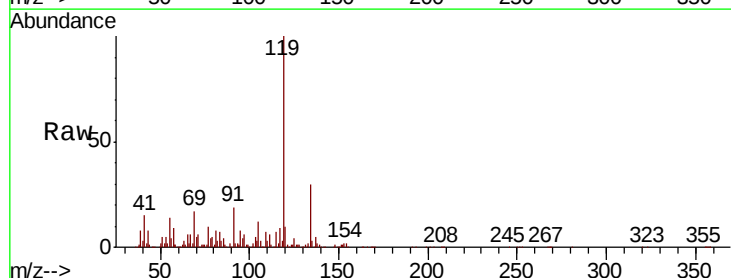
Instrument :
MSVOA_D
ClientSampleId :

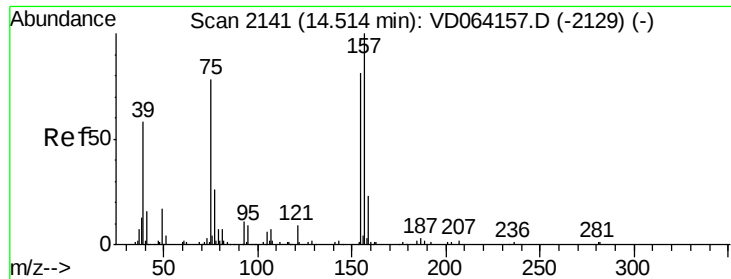
Tot Ion: 91 Resp: 533296
Ion Ratio Lower Upper
91 100
92 49.0 27.3 81.8
134 0.0 14.1 42.4#



#90
Hexachloroethane
Concen: 6.338 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion: 117 Resp: 74049
Ion Ratio Lower Upper
117 100
201 0.7 45.8 137.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.303 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampled :

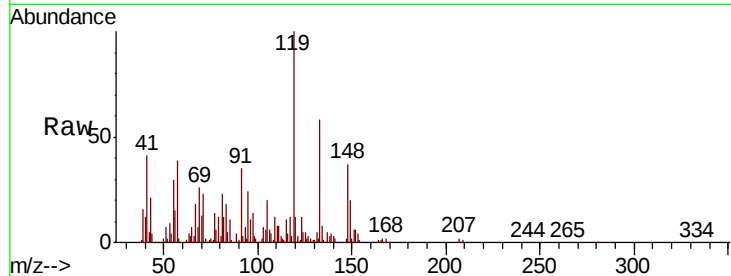
Tot Ion: 75 Resp: 2398

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.0#

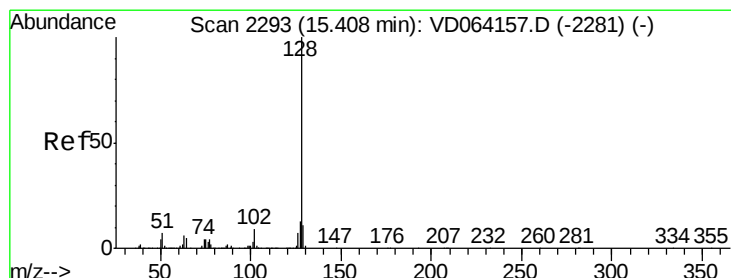
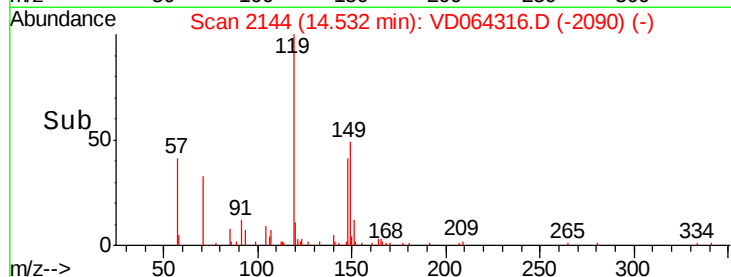
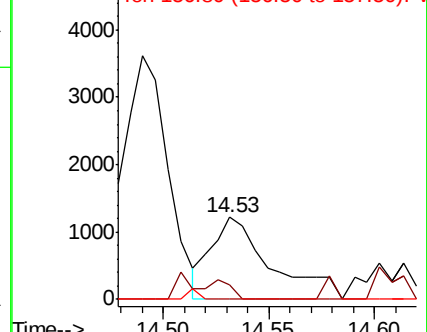
157 0.0 61.5 184.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 13.710 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

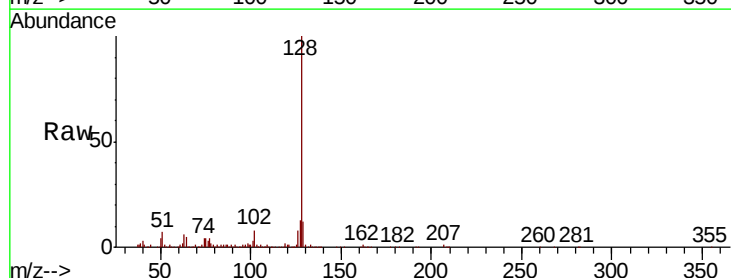
Tgt Ion: 128 Resp: 452213

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

