

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064266.D
 Acq On : 18 Nov 2019 15:59
 Operator : VA/SY
 Sample : K5864-09
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:38:36 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	1080021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1575399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1371487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	676064	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	464703	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	7.92	113	477298	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	10.34	98	1844590	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.64	95	606841	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	

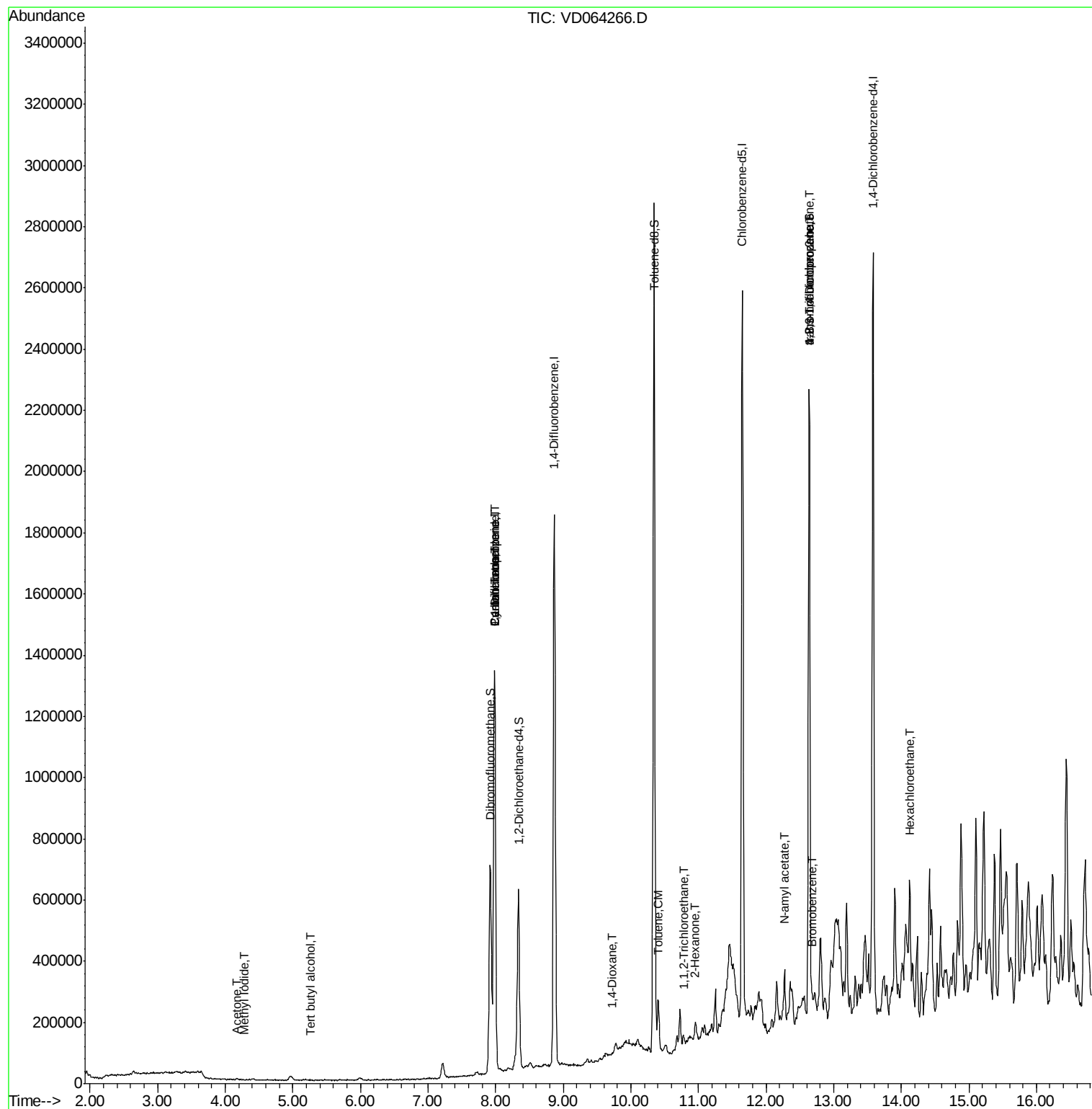
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	145	2.044	ug/l #	31
11) Tert butyl alcohol	5.26	59	950	1.531	ug/l #	70
16) Acetone	4.17	43	4891	2.324	ug/l #	86
31) Cyclohexane	7.98	56	24072	1.381	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	73123	5.029	ug/l #	51
38) Carbon Tetrachloride	7.98	117	95966	6.168	ug/l #	15
49) 1,4-Dioxane	9.72	88	66	1.061	ug/l #	1
52) Toluene	10.41	92	72143	2.761	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	13823	1.968	ug/l #	24
59) 2-Hexanone	10.96	43	27234	6.321	ug/l #	30
74) N-amyl acetate	12.27	43	42519	3.628	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	315766	57.987	ug/l #	100
77) Bromobenzene	12.68	156	39850	3.306	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	315766	115.184	ug/l #	11
90) Hexachloroethane	14.13	117	16809	1.981	ug/l #	4

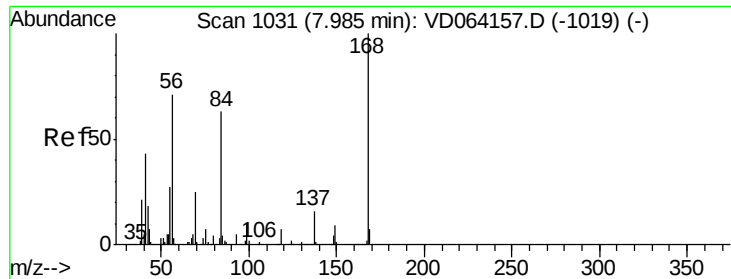
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111819\
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

Instrument :

MSVOA_D

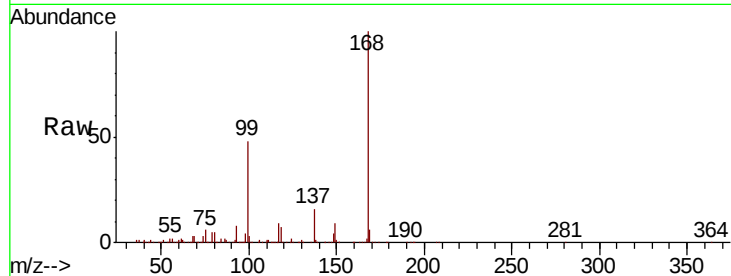
ClientSampled :

Tot Ion:168 Resp: 1080021

Ion Ratio Lower Upper

168 100

99 48.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

500000

400000

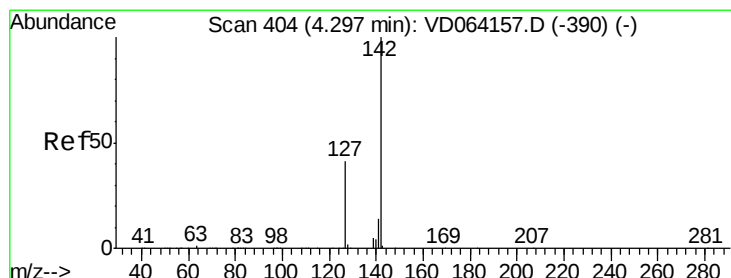
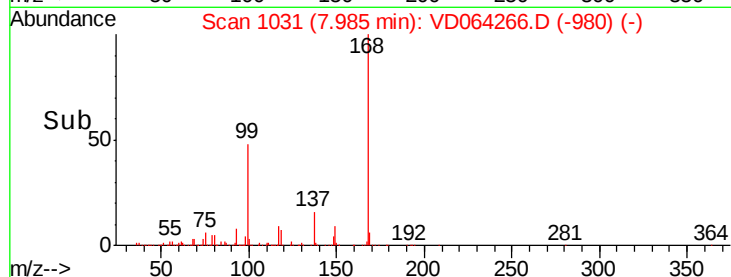
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.044 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

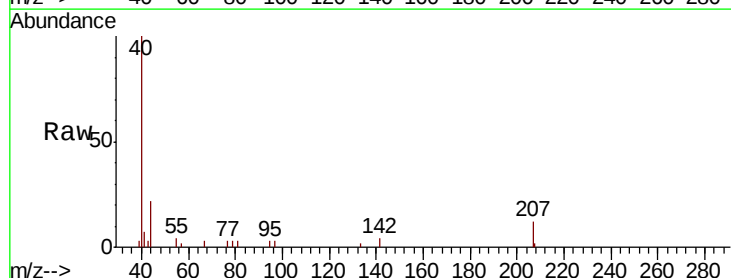
Tgt Ion:142 Resp: 145

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 43.4 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

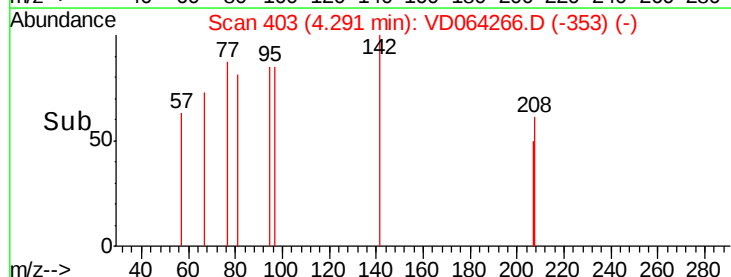
300

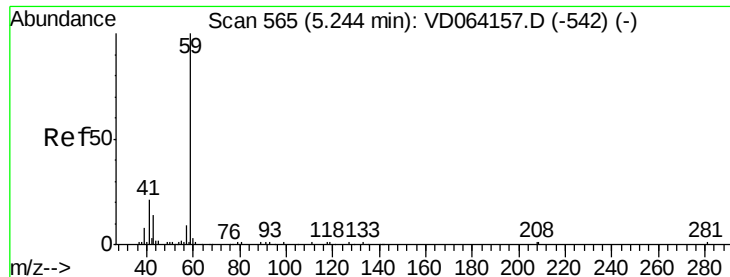
200

100

0

Time-->



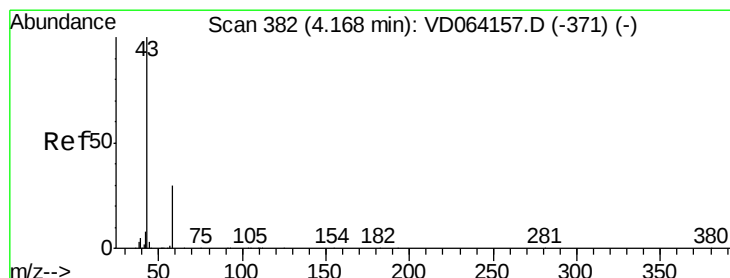
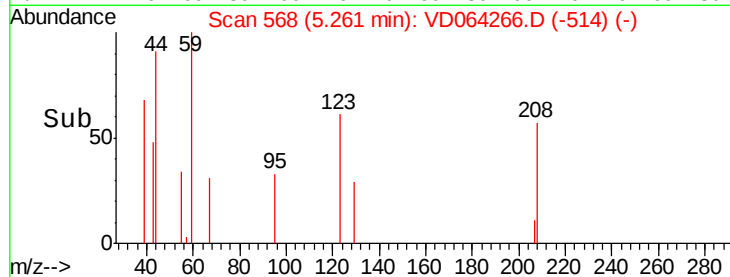
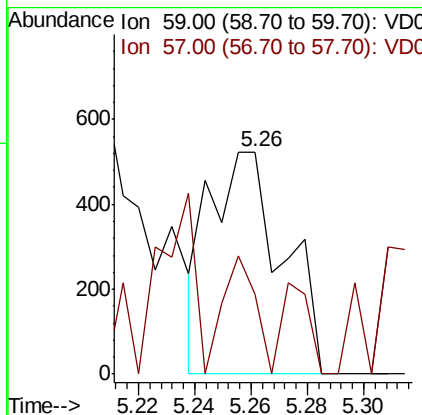
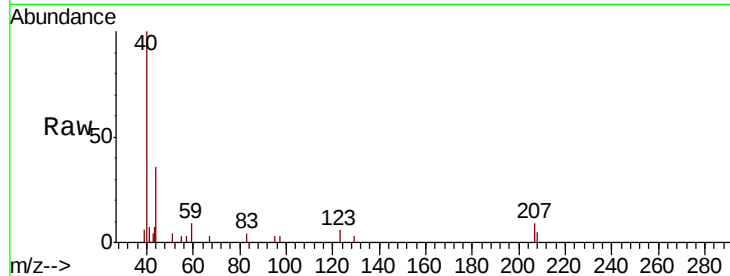


#11

Tert butyl alcohol
 Concen: 1.531 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064266.D
 Acq: 18 Nov 2019 15:59

Instrument :
 MSVOA_D
 ClientSampled :

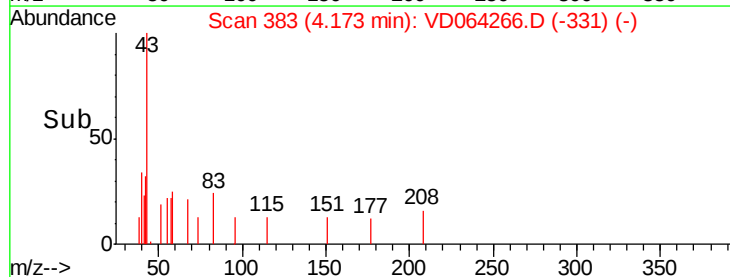
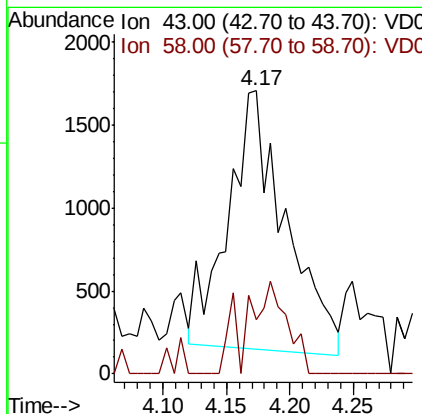
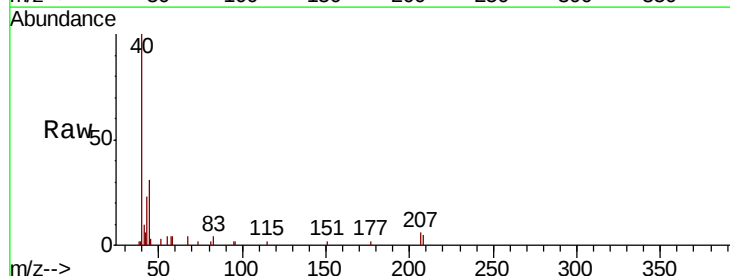
Tot Ion: 59 Resp: 950
 Ion Ratio Lower Upper
 59 100
 57 23.6 9.4 14.2#

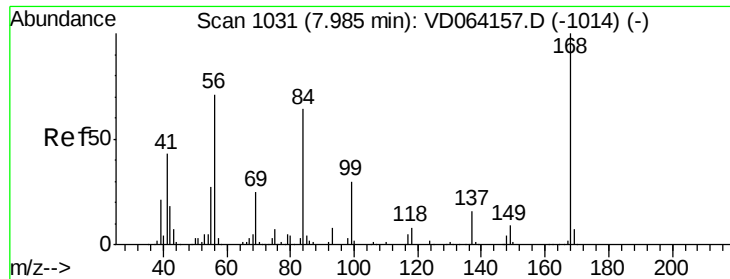


#16

Acetone
 Concen: 2.324 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD064266.D
 Acq: 18 Nov 2019 15:59

Tgt Ion: 43 Resp: 4891
 Ion Ratio Lower Upper
 43 100
 58 22.6 24.1 36.1#

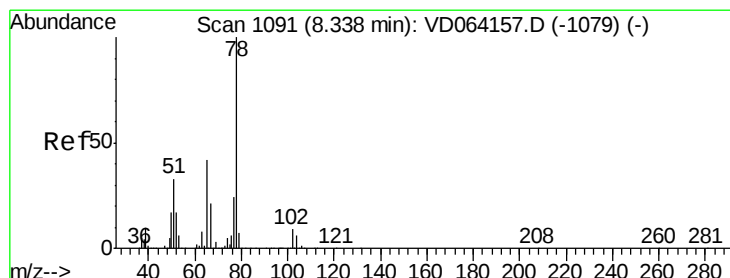
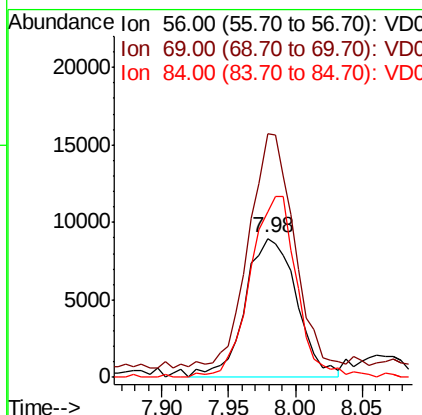
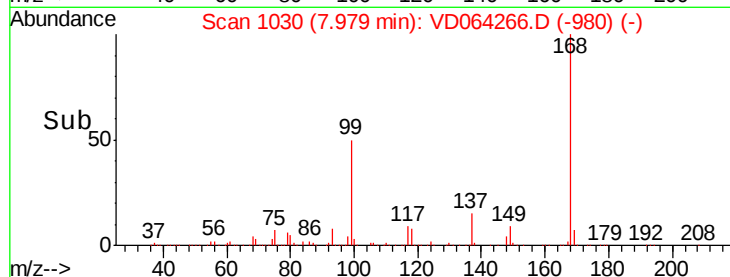
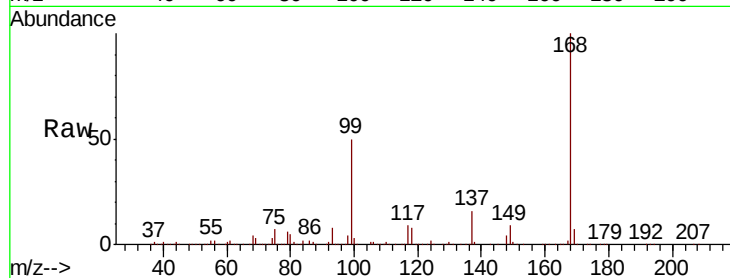




#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

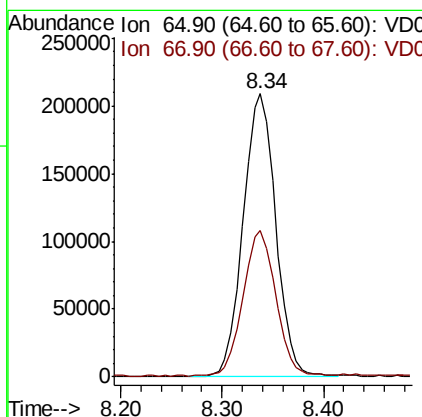
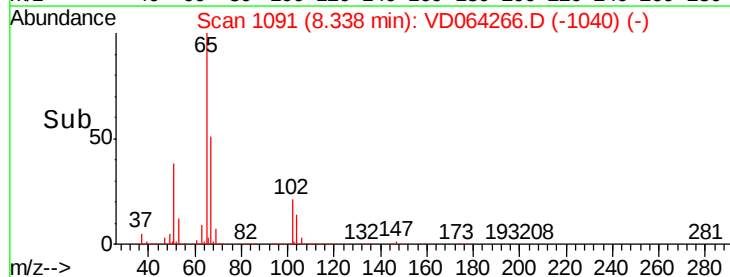
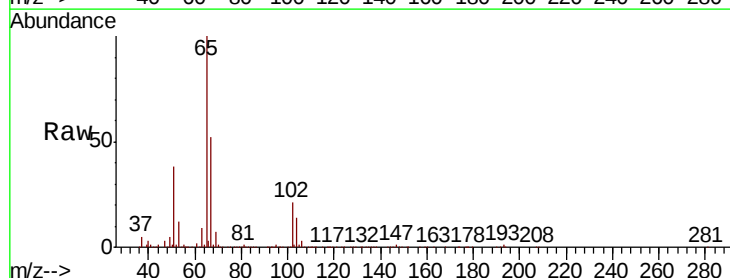
Instrument :
MSVOA_D
ClientSampled :

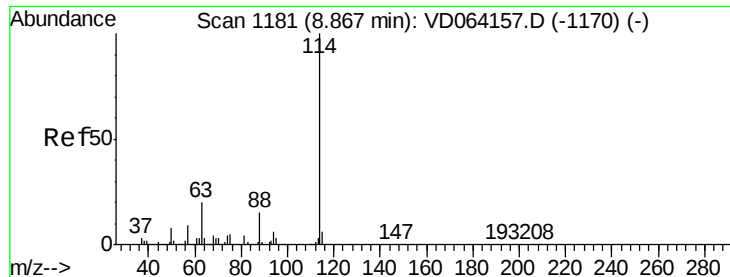
Tot Ion: 56 Resp: 24072
Ion Ratio Lower Upper
56 100
69 167.6 28.2 42.4#
84 118.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 52.316 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

Tgt Ion: 65 Resp: 464703
Ion Ratio Lower Upper
65 100
67 52.2 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: VD064266.D

Acq: 18 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

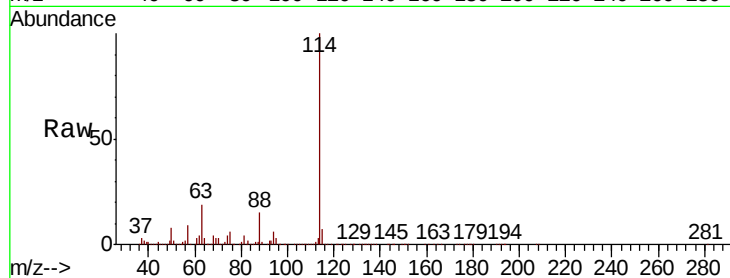
Tot Ion:114 Resp: 1575399

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

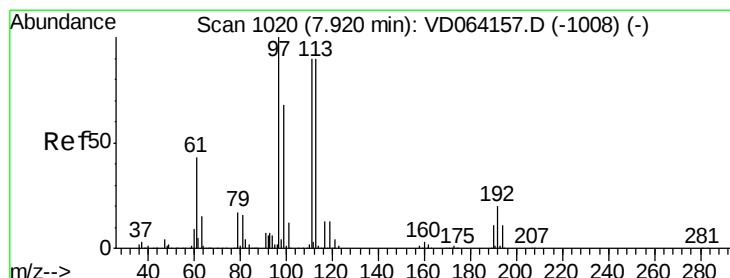
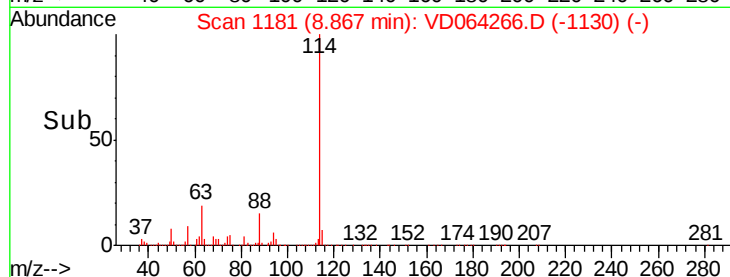
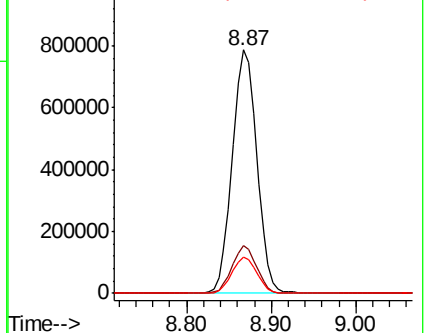
88 15.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.781 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

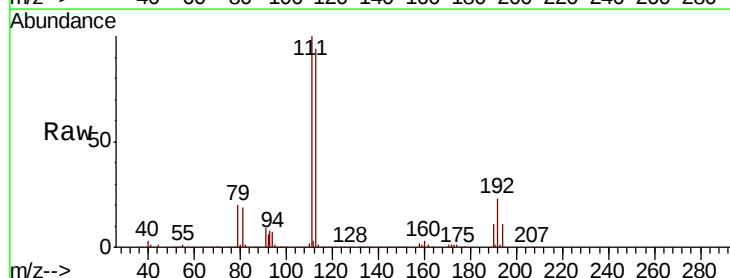
Tgt Ion:113 Resp: 477298

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

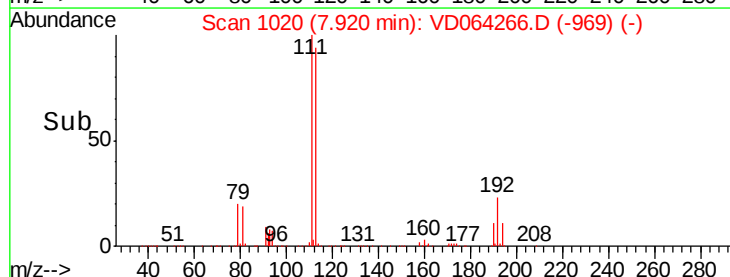
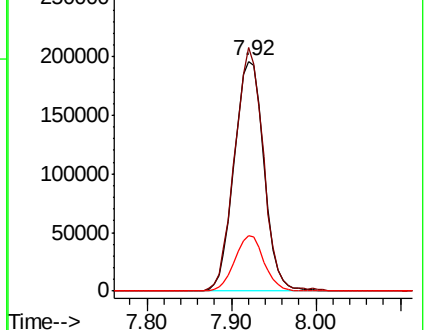
192 23.9 18.8 28.2

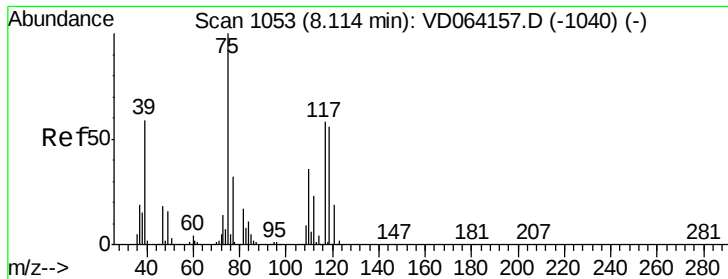


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

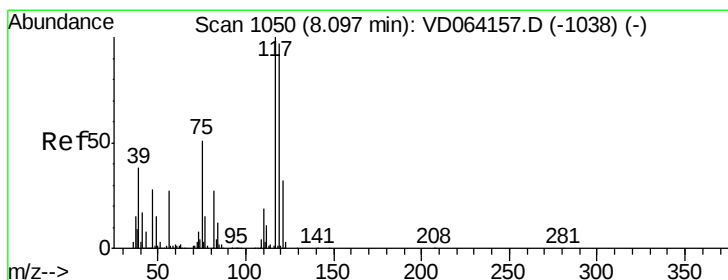
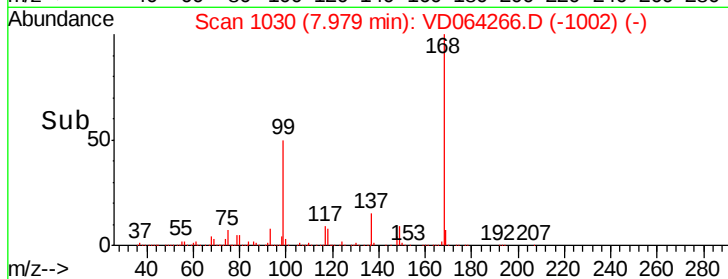
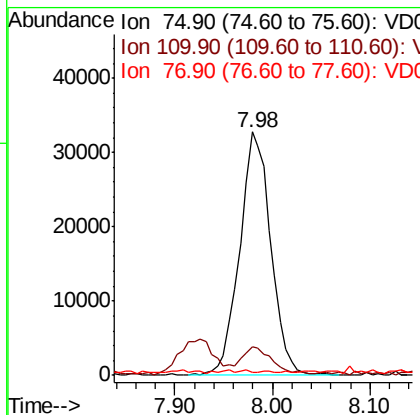
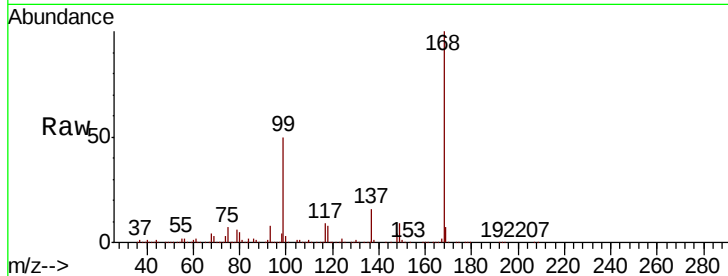




#36
 1,1-Dichloropropene
 Concen: 5.029 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064266.D
 Acq: 18 Nov 2019 15:59

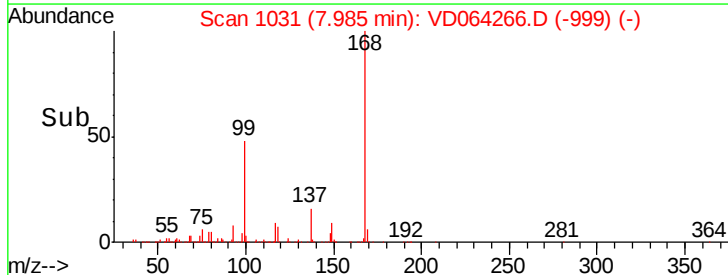
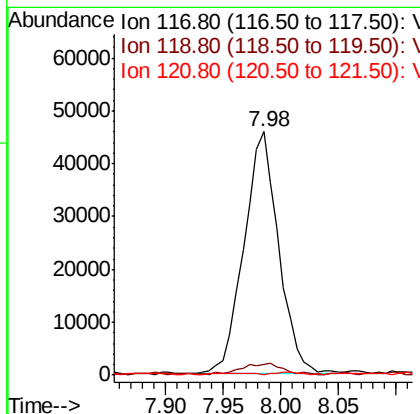
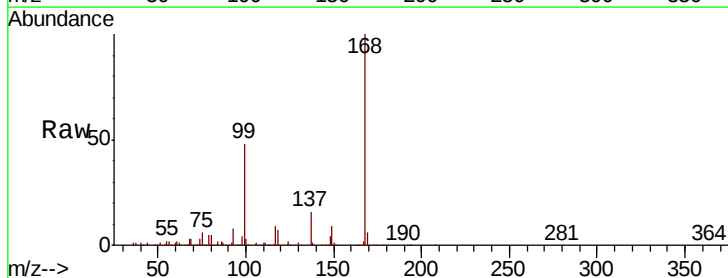
Instrument :
 MSVOA_D
 ClientSampleId :

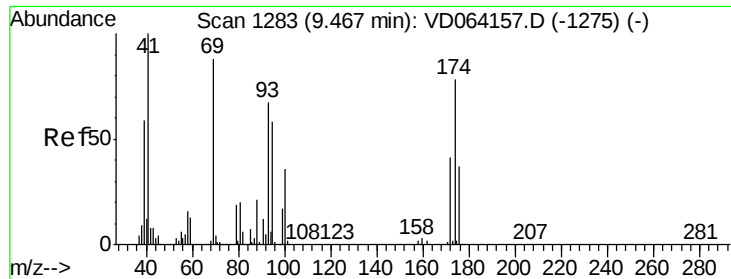
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.9#
77	0.8	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.168 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064266.D
 Acq: 18 Nov 2019 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.2	115.8#
121	0.0	25.5	38.3#

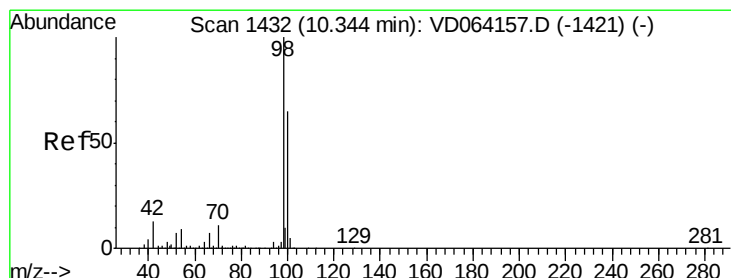
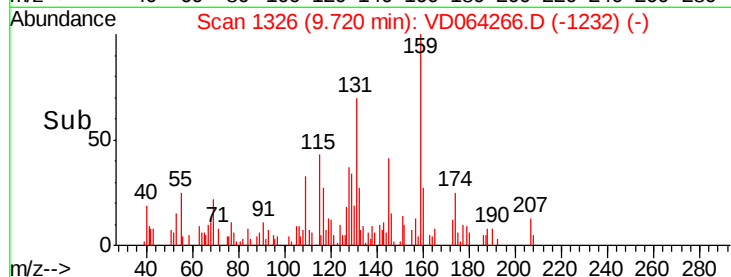
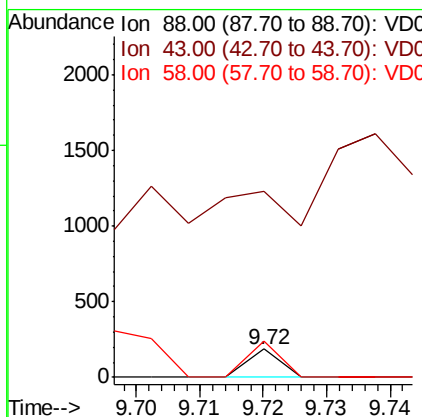
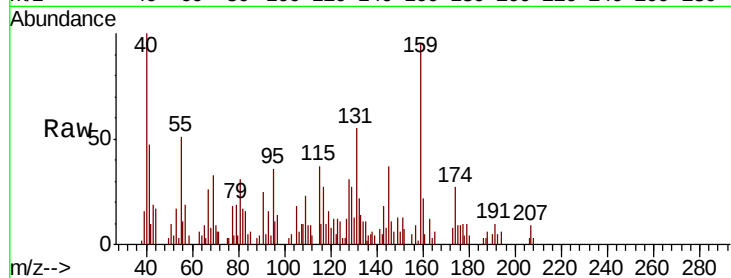




#49
1,4-Dioxane
Concen: 1.061 ug/l
RT: 9.72 min Scan# 1326
Delta R.T. 0.25 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

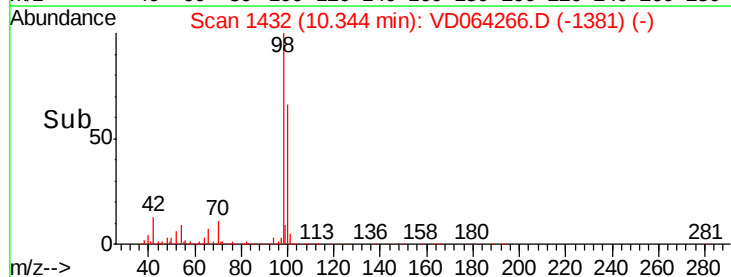
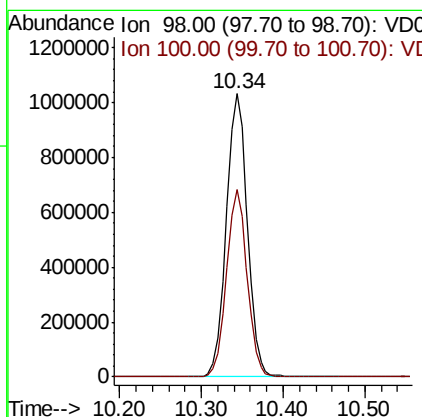
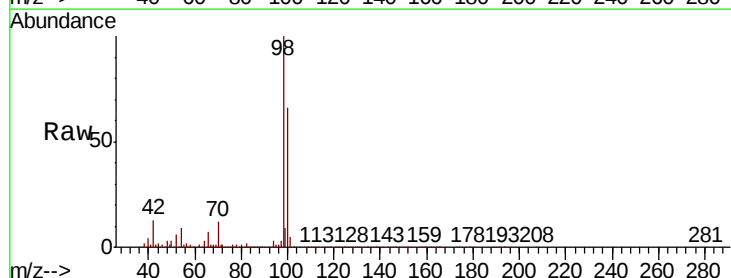
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MSVOA_D
ClientSampleId :

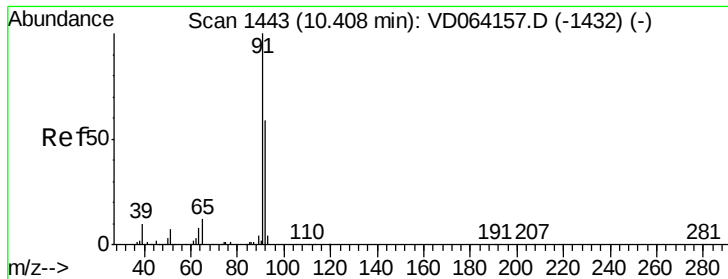
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 775.8 29.8 44.8#
58 127.3 58.1 87.1#



#50
Toluene-d8
Concen: 54.071 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

Tgt Ion: 98 Resp: 1844590
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8





#52

Toluene

Concen: 2.761 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

Instrument :

MSVOA_D

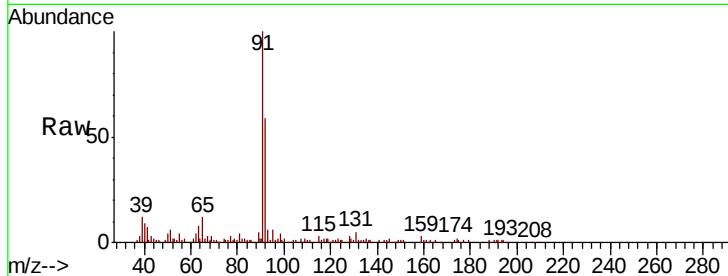
ClientSampleId :

Tot Ion: 92 Resp: 72143

Ion Ratio Lower Upper

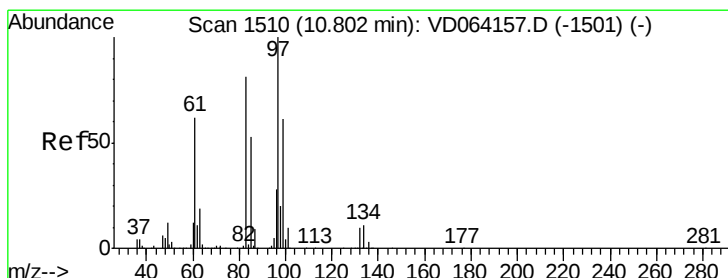
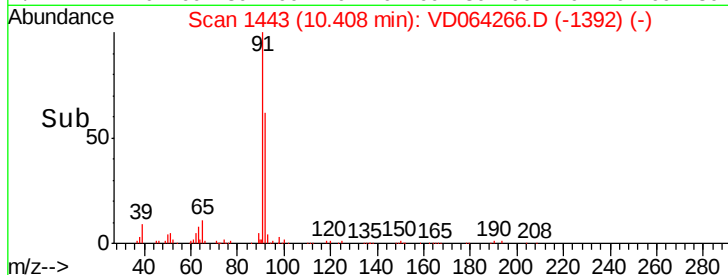
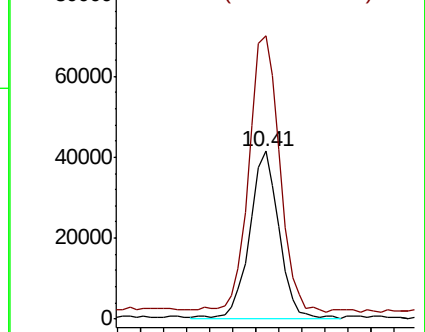
92 100

91 176.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 1.968 ug/l

RT: 10.78 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

Tgt Ion: 97 Resp: 13823

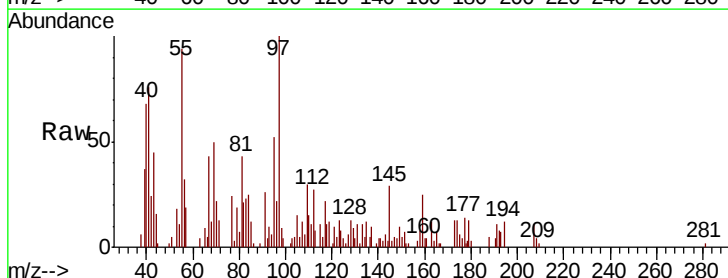
Ion Ratio Lower Upper

97 100

83 2.5 65.1 97.7#

85 10.5 42.0 63.0#

99 5.5 48.9 73.3#

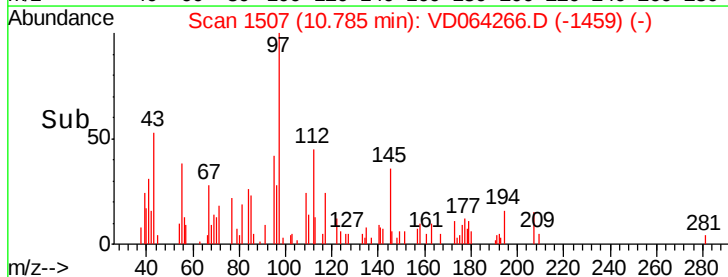
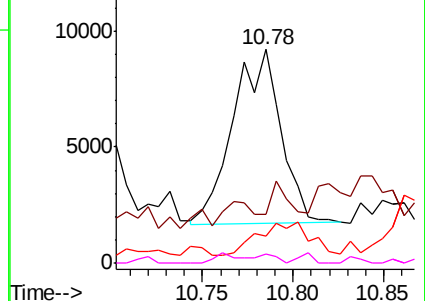


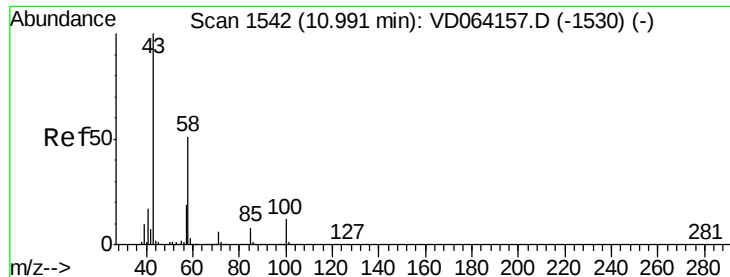
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

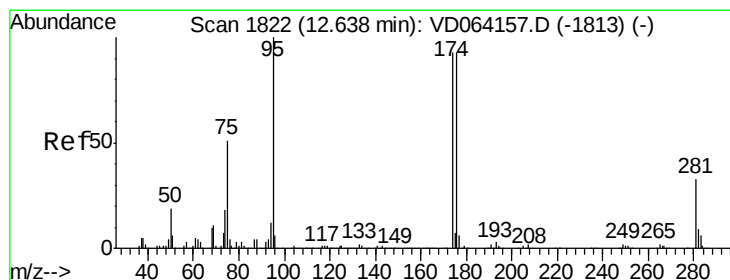
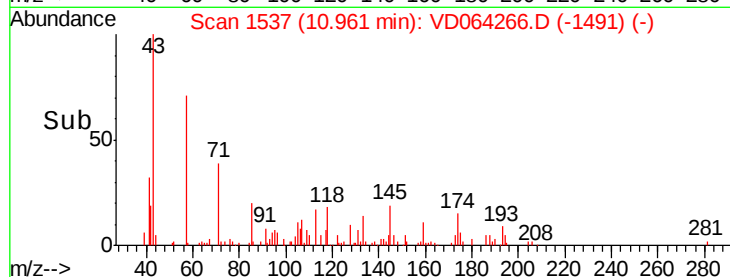
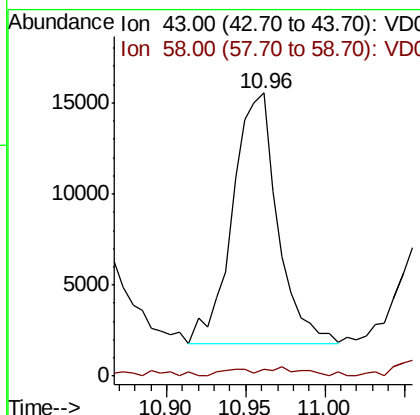
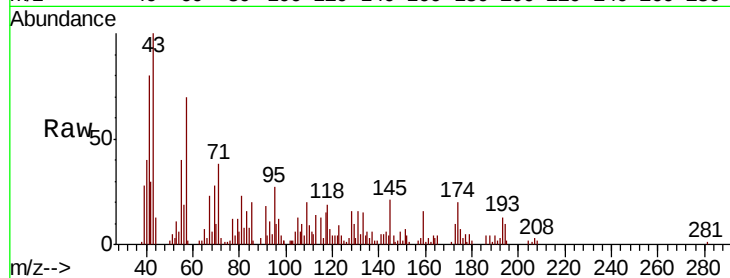




#59
2-Hexanone
Concen: 6.321 ug/l
RT: 10.96 min Scan# 1537
Delta R.T. -0.03 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

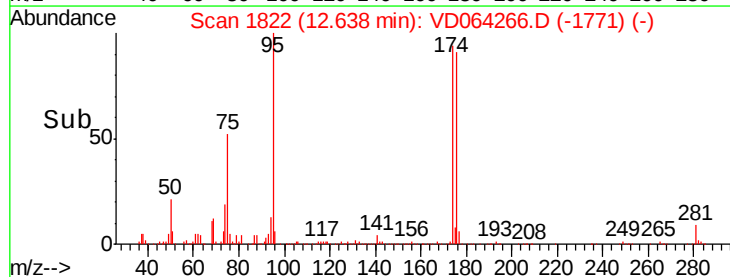
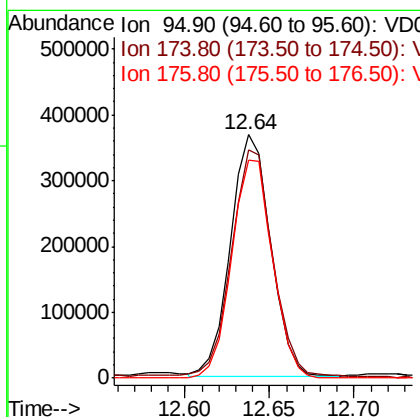
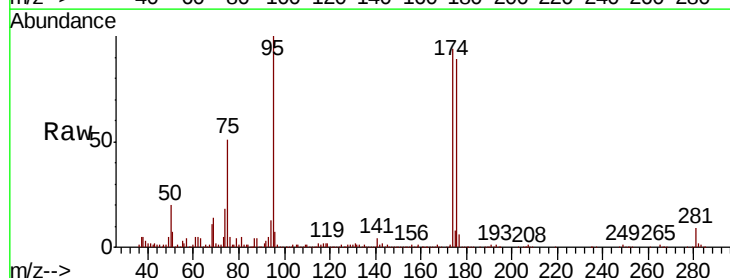
Instrument :
MSVOA_D
ClientSampleId :

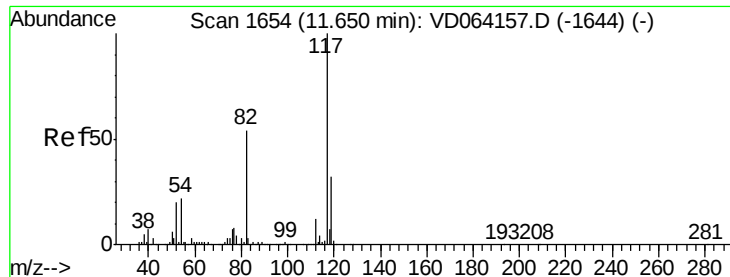
Tot Ion: 43 Resp: 27234
Ion Ratio Lower Upper
43 100
58 3.0 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 51.366 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

Tgt Ion: 95 Resp: 606841
Ion Ratio Lower Upper
95 100
174 99.1 0.0 183.6
176 92.2 0.0 180.2

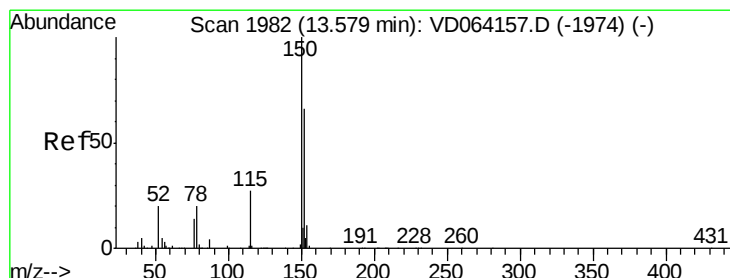
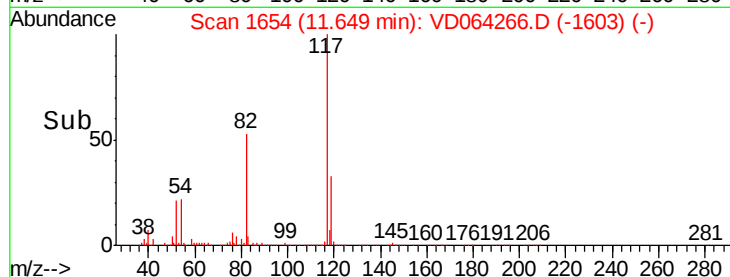
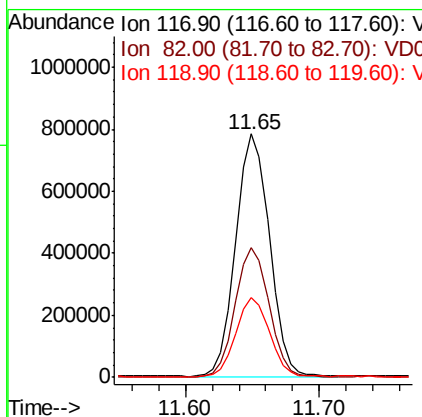
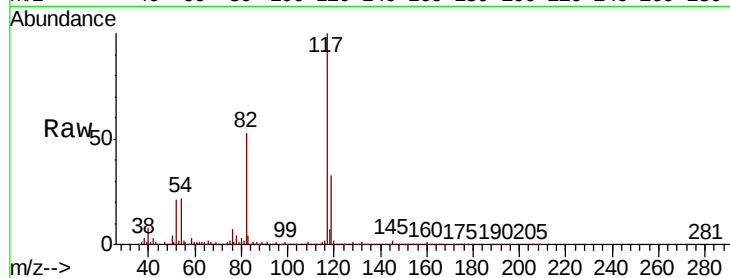




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

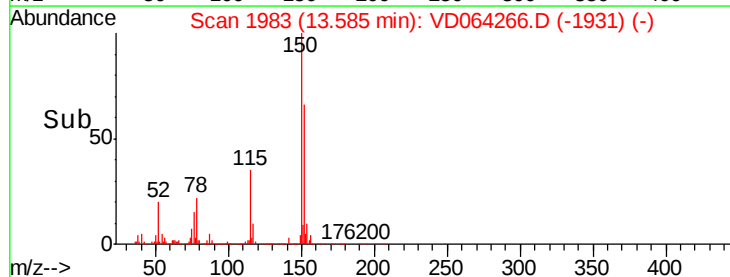
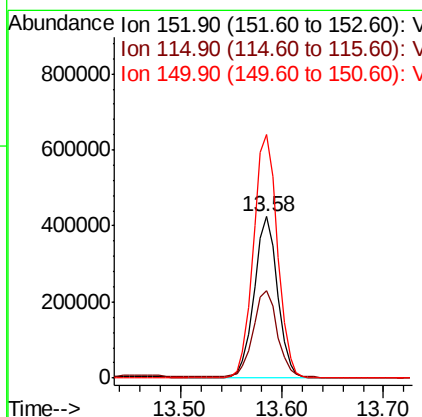
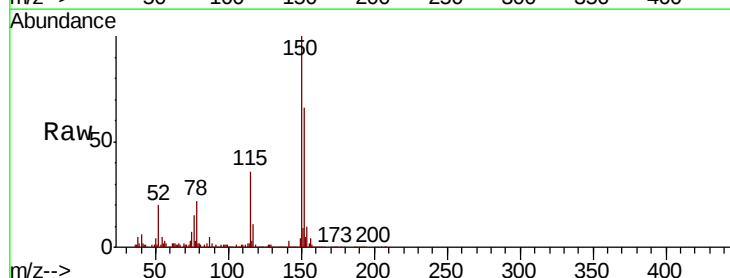
Instrument :
MSVOA_D
ClientSampled :

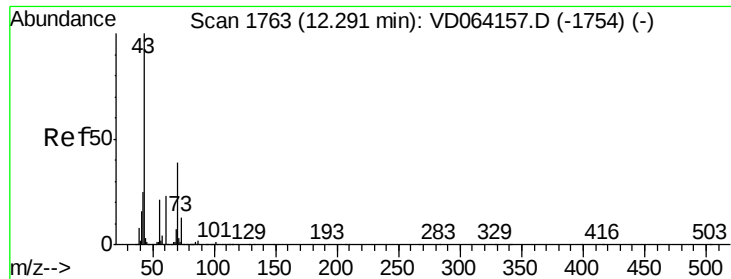
Tot Ion:117 Resp: 1371487
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064266.D
Acq: 18 Nov 2019 15:59

Tgt Ion:152 Resp: 676064
Ion Ratio Lower Upper
152 100
115 56.7 27.4 82.2
150 155.2 0.0 351.6





#74

N-amvl acetate

Concen: 3.628 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 42519

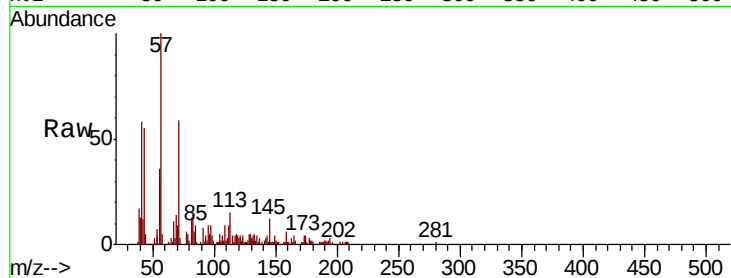
Ion Ratio Lower Upper

43 100

70 0.0 32.4 48.6#

55 41.9 17.9 26.9#

61 0.1 19.0 28.4#

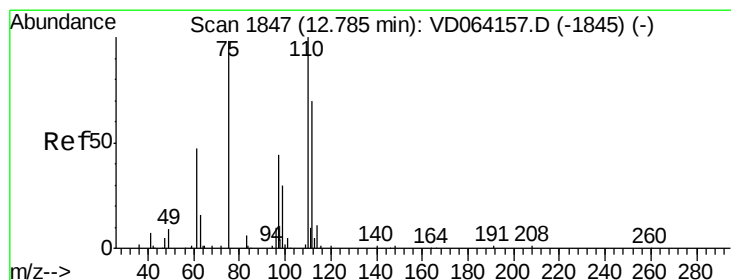
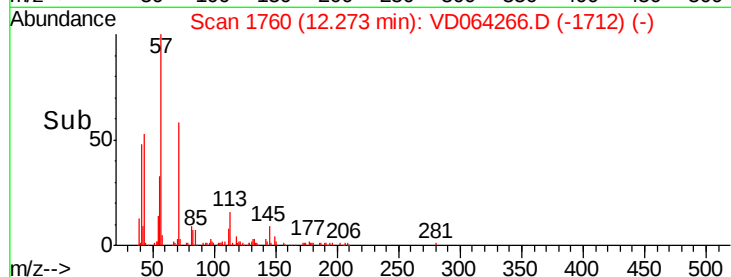
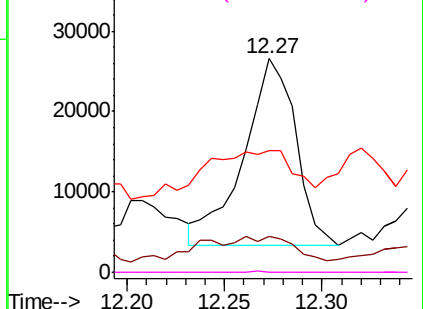


Abundance Ion 43.00 (42.70 to 43.70): VDC

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



#76

1,2,3-Trichloropropane

Concen: 57.987 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064266.D

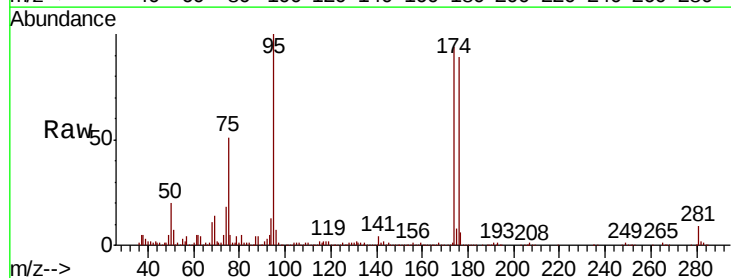
Acq: 18 Nov 2019 15:59

Tgt Ion: 75 Resp: 315766

Ion Ratio Lower Upper

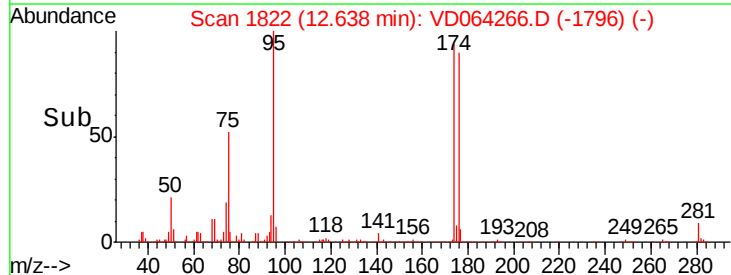
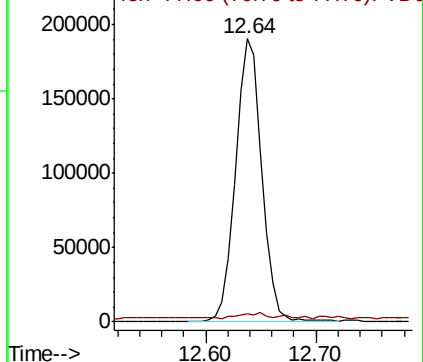
75 100

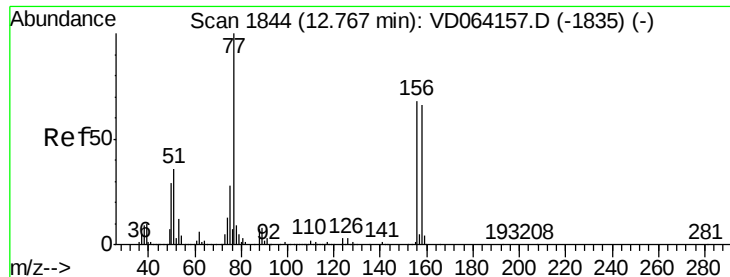
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 3.306 ug/l

RT: 12.68 min Scan# 1830

Delta R.T. -0.08 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

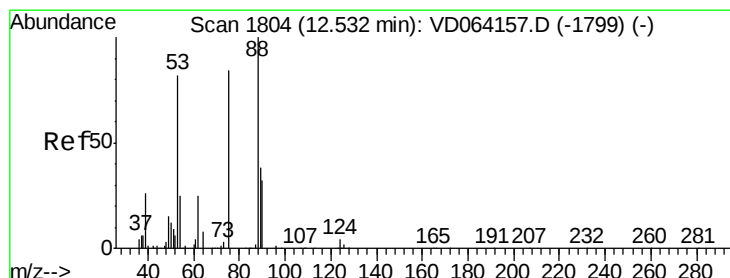
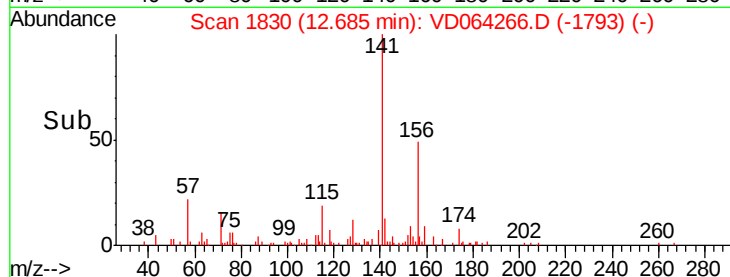
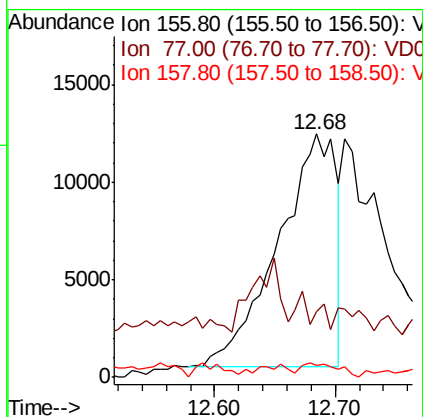
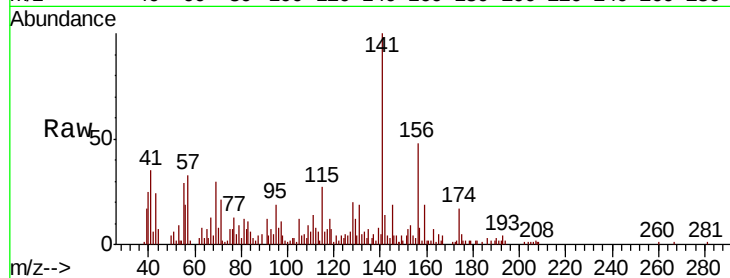
Tot Ion:156 Resp: 39850

Ion Ratio Lower Upper

156 100

77 4.0 81.2 243.4#

158 3.8 48.4 145.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.184 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

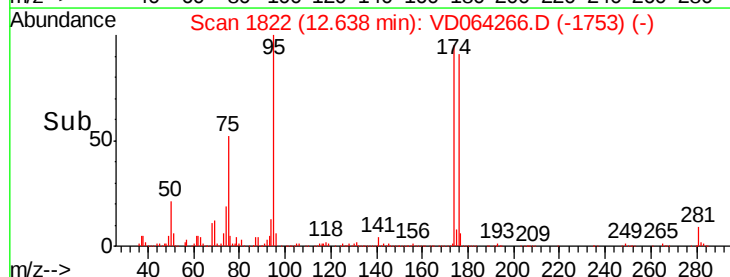
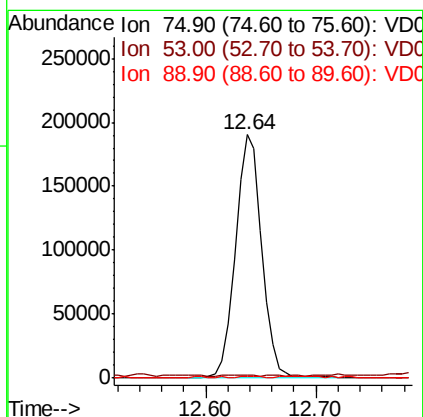
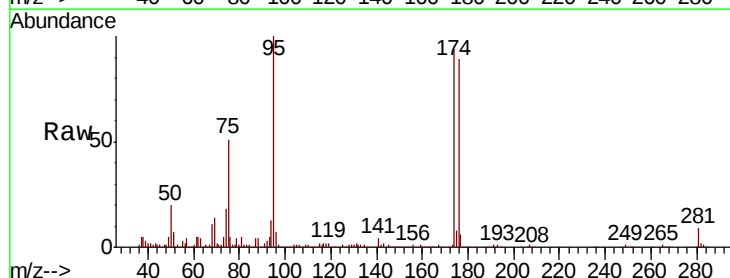
Tgt Ion: 75 Resp: 315766

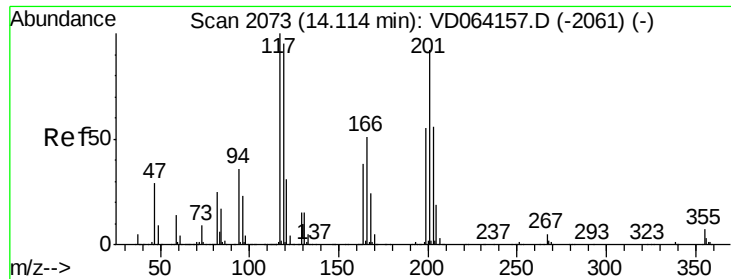
Ion Ratio Lower Upper

75 100

53 0.6 79.4 119.0#

89 0.4 36.6 55.0#





#90

Hexachloroethane

Concen: 1.981 ug/l

RT: 14.13 min Scan# 2076

Delta R.T. 0.02 min

Lab File: VD064266.D

Acq: 18 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:117 Resp: 16809

Ion Ratio Lower Upper

117 100

201 0.0 45.8 137.4#

