

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064262.D
 Acq On : 18 Nov 2019 14:05
 Operator : VA/SY
 Sample : K5905-01
 Misc : 9.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:37:35 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	251050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	378746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	352557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	178259	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	150546	72.91	ug/l	0.00
Spiked Amount			Recovery	=	145.82%	
35) Dibromofluoromethane	7.92	113	124068	57.07	ug/l	0.00
Spiked Amount			Recovery	=	114.14%	
50) Toluene-d8	10.34	98	447832	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.64	95	159514	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	

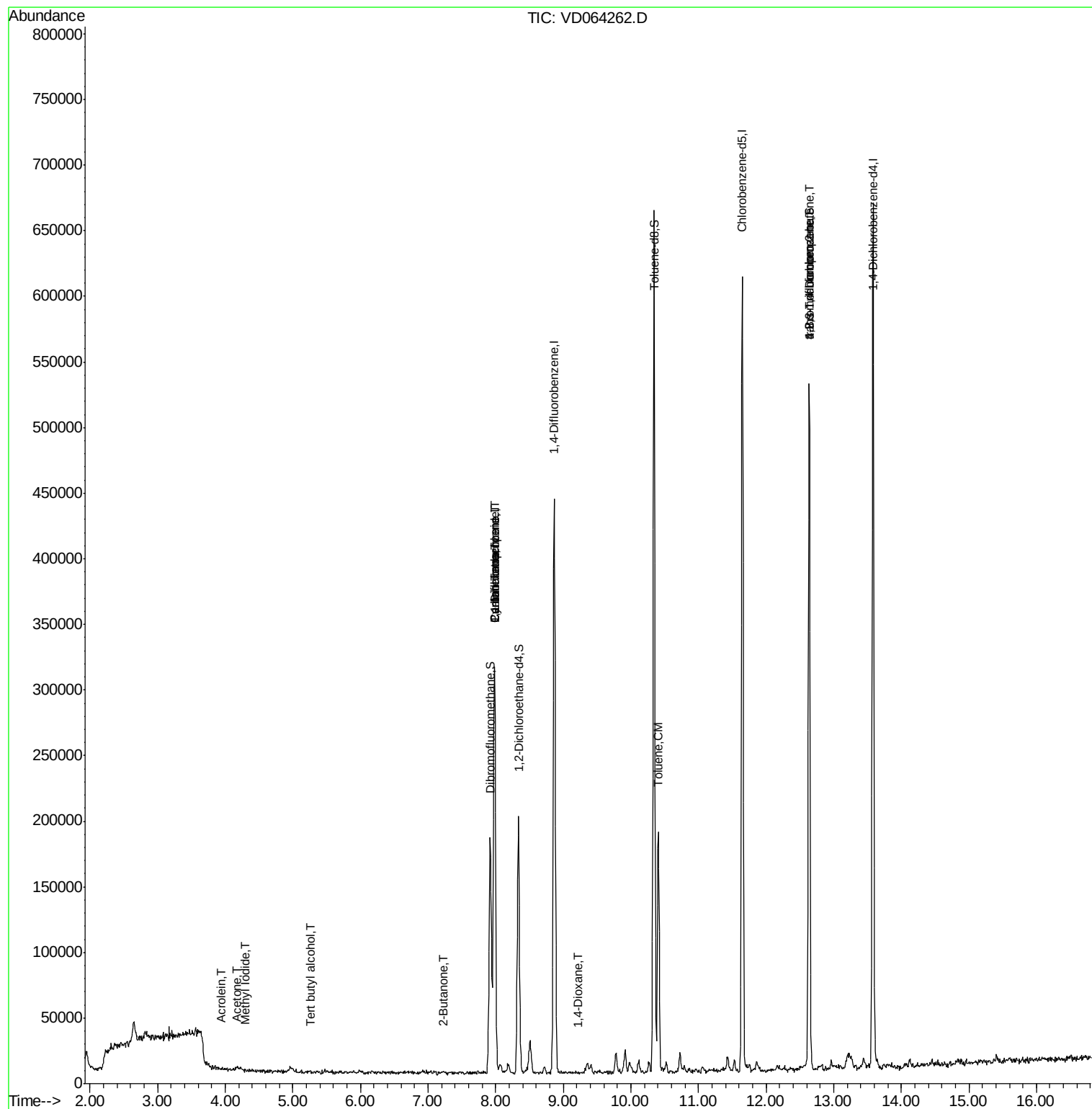
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	353	2.165	ug/l #	41
11) Tert butyl alcohol	5.26	59	572	3.966	ug/l #	1
13) Acrolein	3.94	56	169	1.385	ug/l #	1
16) Acetone	4.17	43	7303	14.930	ug/l #	71
25) 2-Butanone	7.24	43	1173	1.856	ug/l #	49
31) Cyclohexane	7.98	56	6548	1.616	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	16413	4.695	ug/l #	47
38) Carbon Tetrachloride	7.98	117	22335	5.972	ug/l #	16
49) 1,4-Dioxane	9.21	88	67	4.481	ug/l #	1
52) Toluene	10.41	92	79577	12.668	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	82774	57.649	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	82774	114.514	ug/l #	10

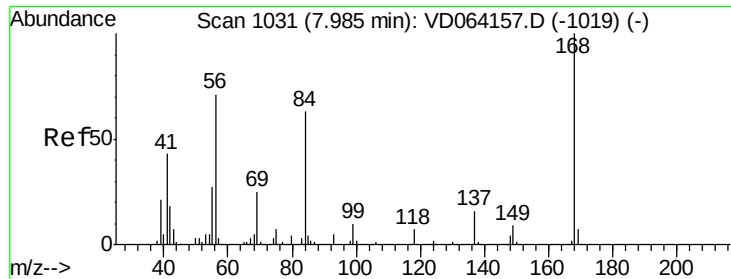
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064262.D

Acq: 18 Nov 2019 14:05

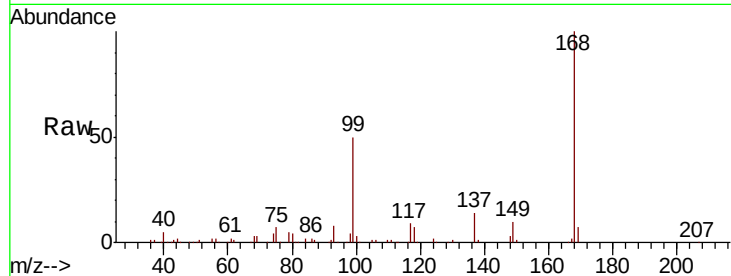
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 251050

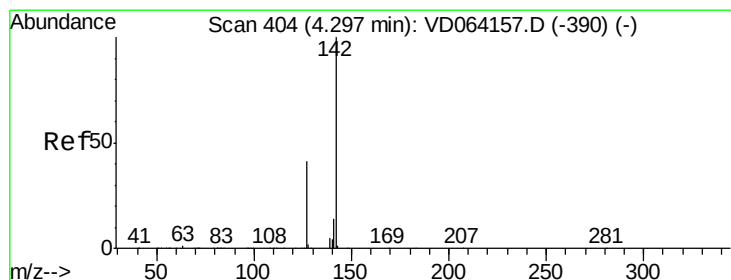
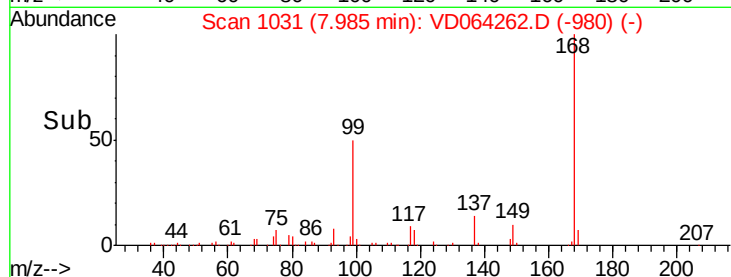
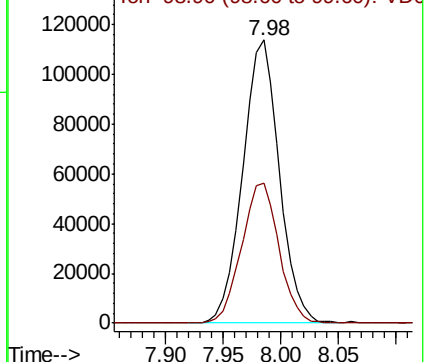
Ion Ratio Lower Upper

168 100

99 49.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.165 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064262.D

Acq: 18 Nov 2019 14:05

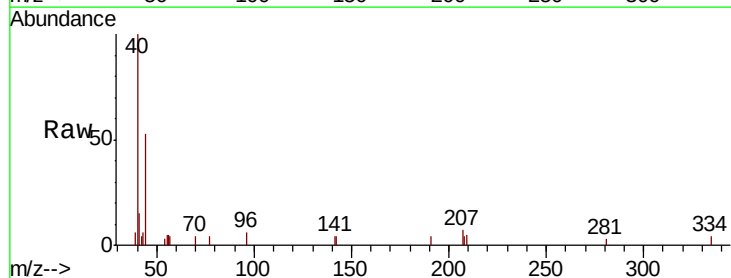
Tgt Ion:142 Resp: 353

Ion Ratio Lower Upper

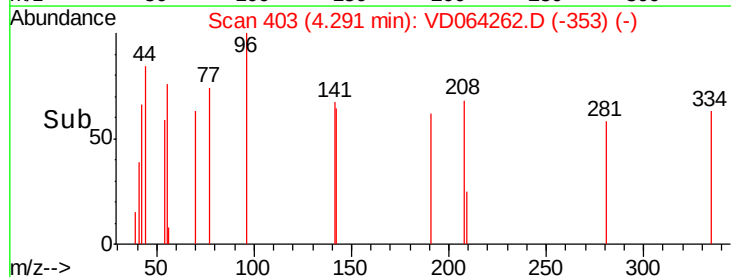
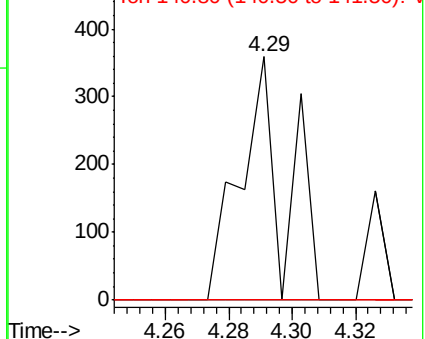
142 100

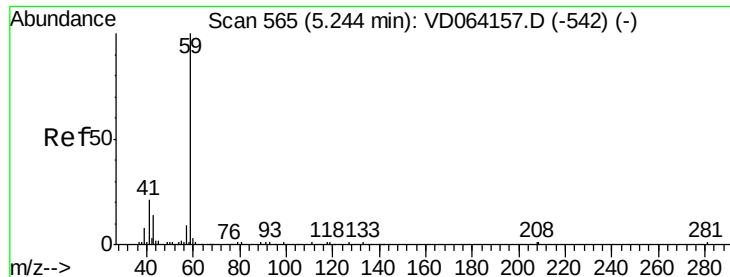
127 0.0 34.4 51.6#

141 0.0 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





#11

Tert butyl alcohol

Concen: 3.966 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD064262.D

Acq: 18 Nov 2019 14:05

Instrument :

MSVOA_D

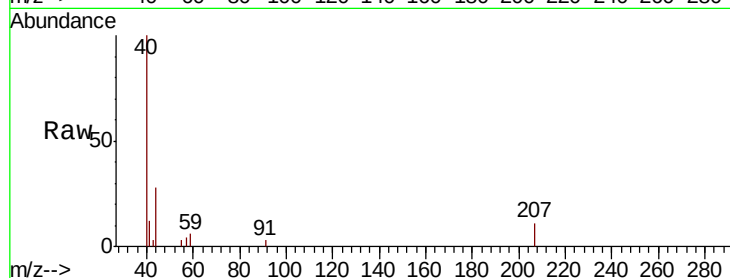
ClientSampleId :

Tot Ion: 59 Resp: 572

Ion Ratio Lower Upper

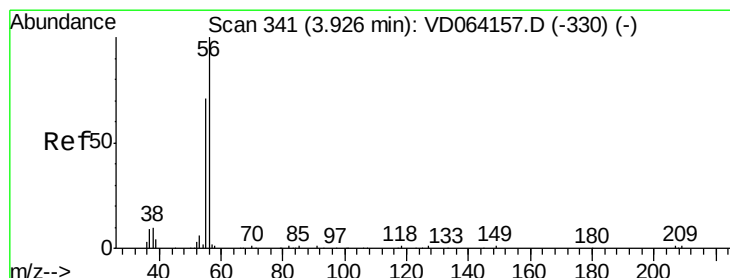
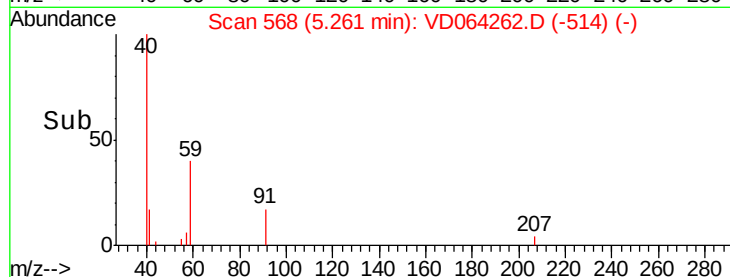
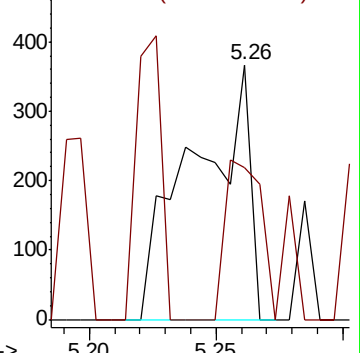
59 100

57 50.5 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#13

Acrolein

Concen: 1.385 ug/l

RT: 3.94 min Scan# 344

Delta R.T. 0.02 min

Lab File: VD064262.D

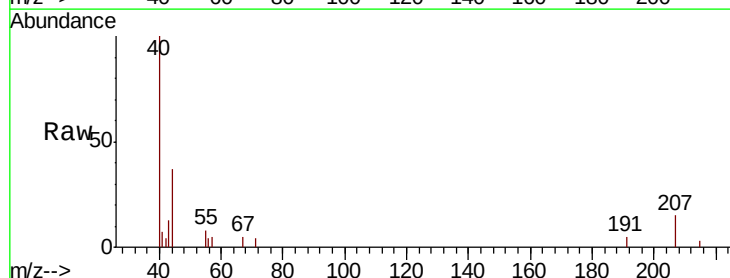
Acq: 18 Nov 2019 14:05

Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

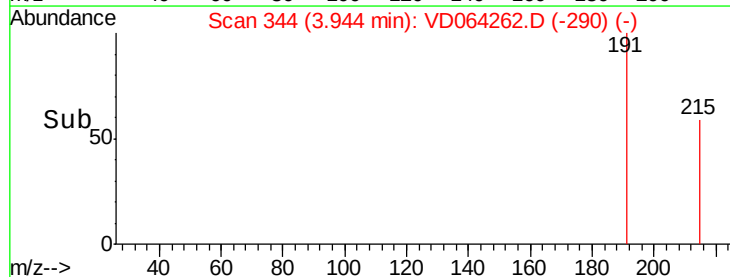
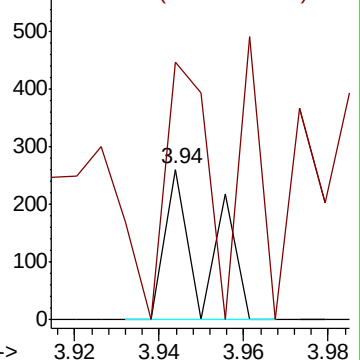
56 100

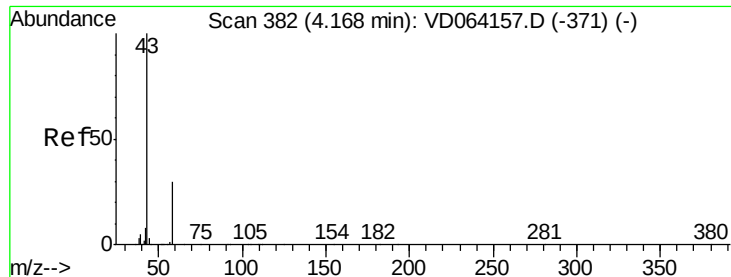
55 175.7 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

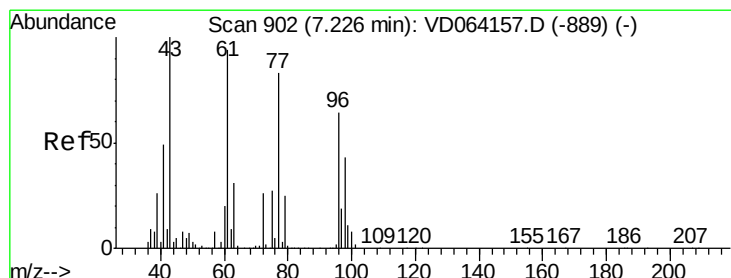
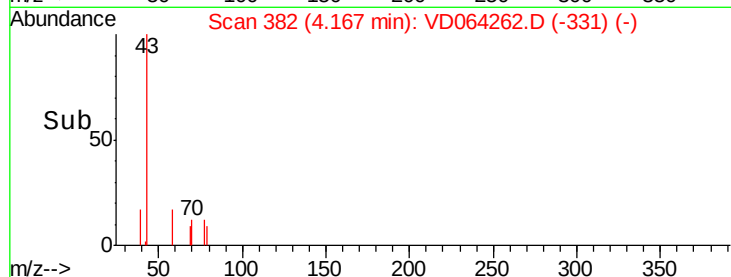
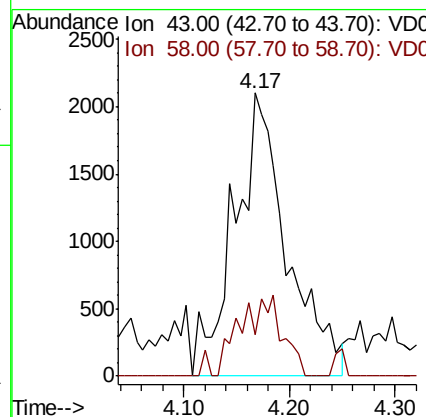
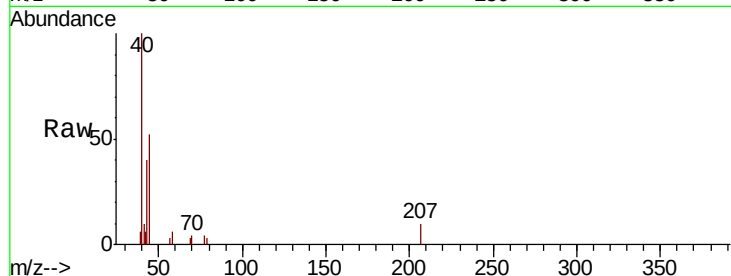




#16
Acetone
Concen: 14.930 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

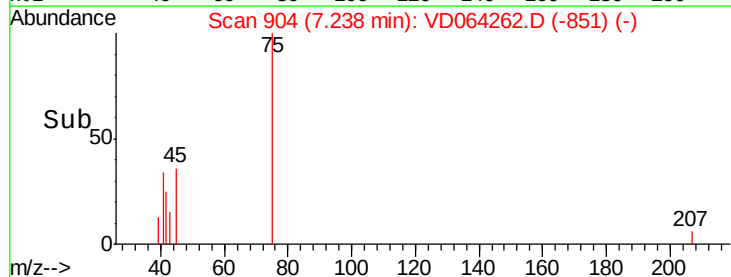
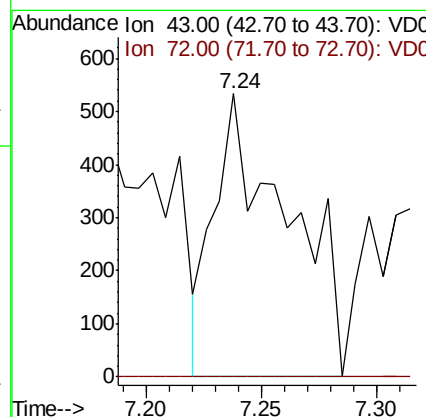
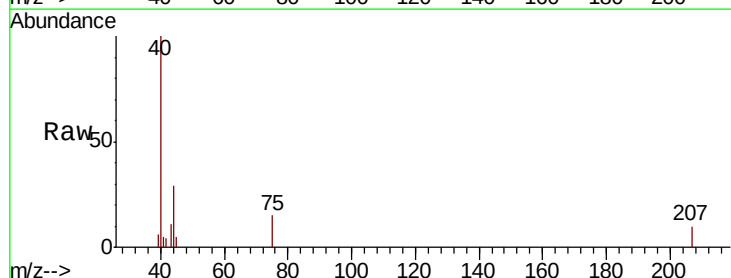
Instrument :
MSVOA_D
ClientSampleId :

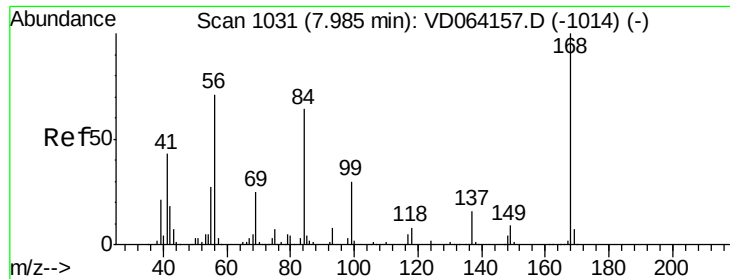
Tot Ion: 43 Resp: 7303
Ion Ratio Lower Upper
43 100
58 14.5 24.1 36.1#



#25
2-Butanone
Concen: 1.856 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

Tgt Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#

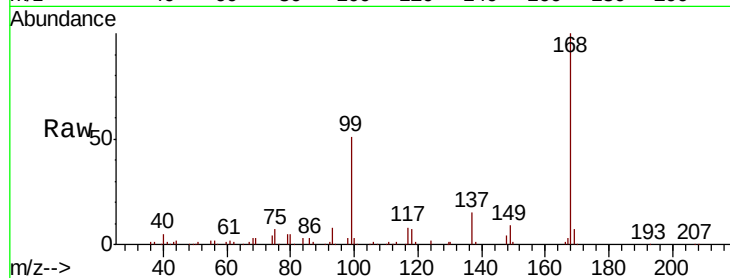




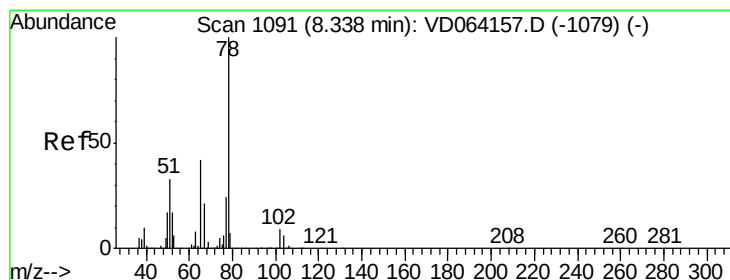
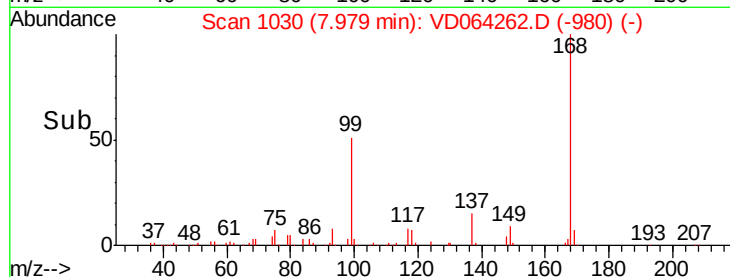
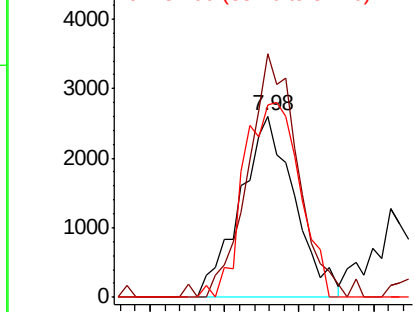
#31
Cyclohexane
Concen: 1.616 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 6548
Ion Ratio Lower Upper
56 100
69 126.9 28.2 42.4#
84 106.1 71.8 107.6

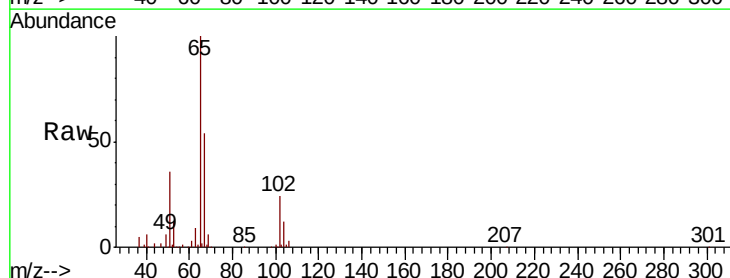


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

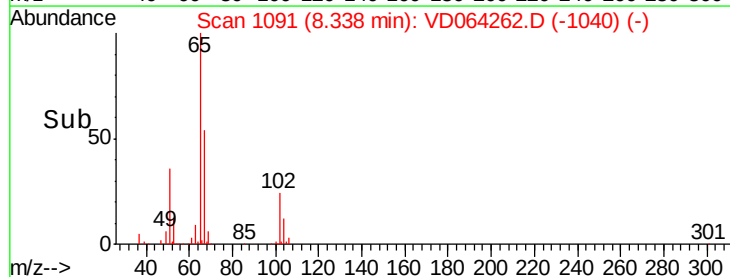
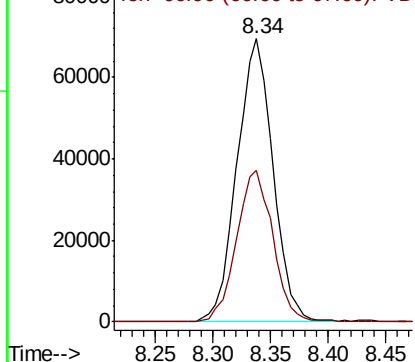


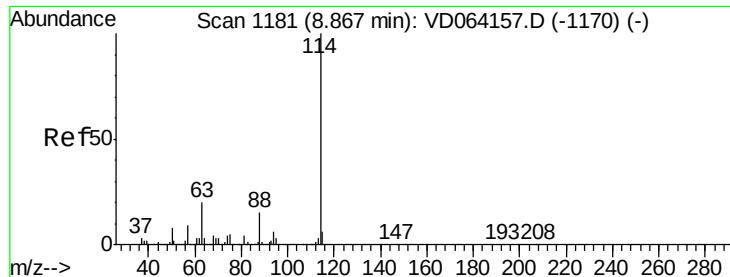
#33
1,2-Dichloroethane-d4
Concen: 72.913 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

Tgt Ion: 65 Resp: 150546
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

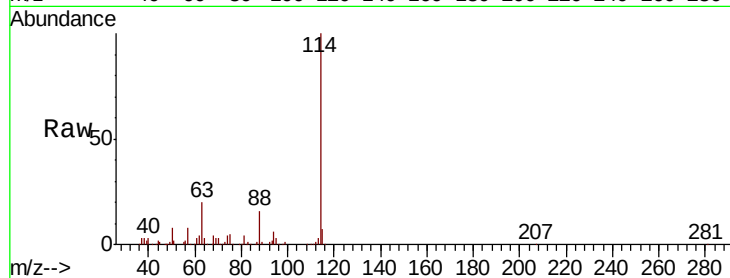




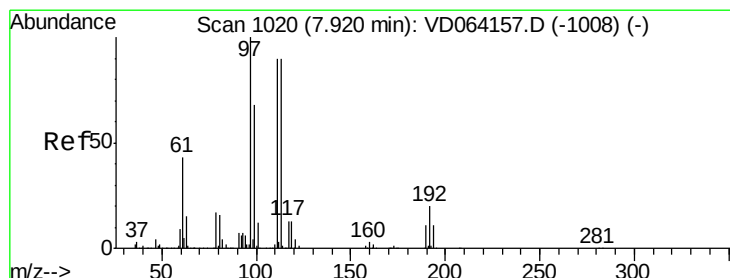
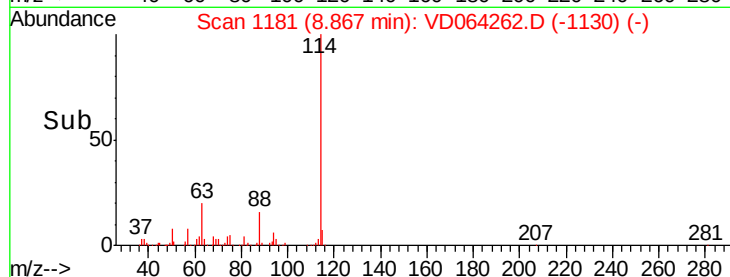
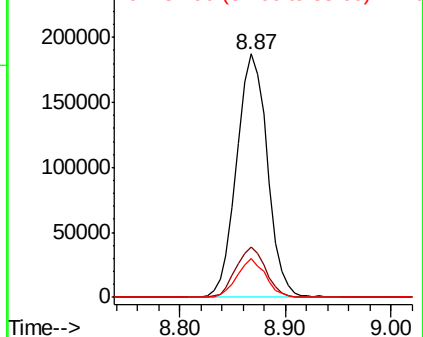
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064262.D
 Acq: 18 Nov 2019 14:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 378746
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.9 0.0 30.2

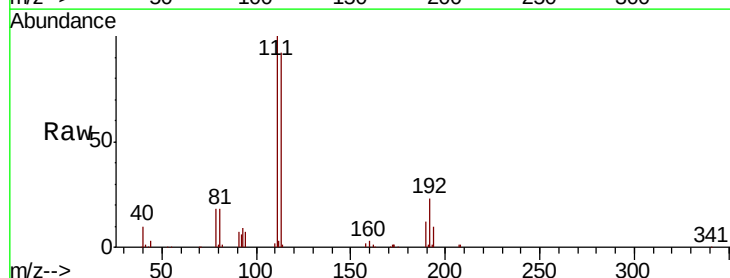


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

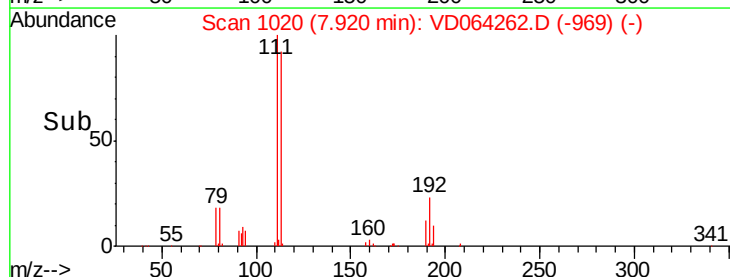
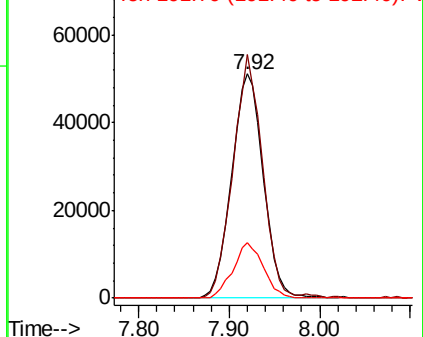


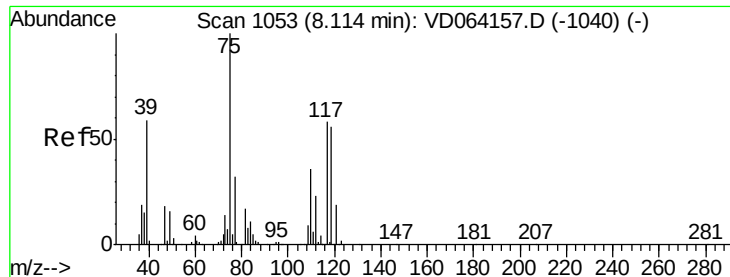
#35
 Dibromofluoromethane
 Concen: 57.067 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064262.D
 Acq: 18 Nov 2019 14:05

Tgt Ion:113 Resp: 124068
 Ion Ratio Lower Upper
 113 100
 111 100.3 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

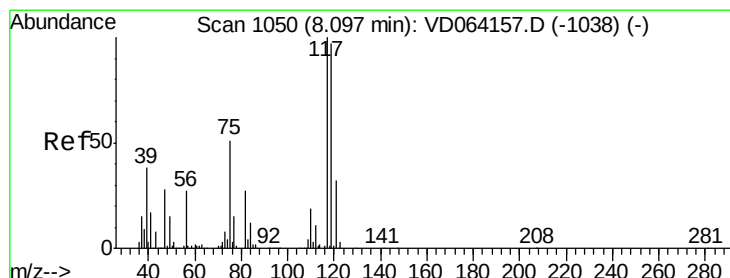
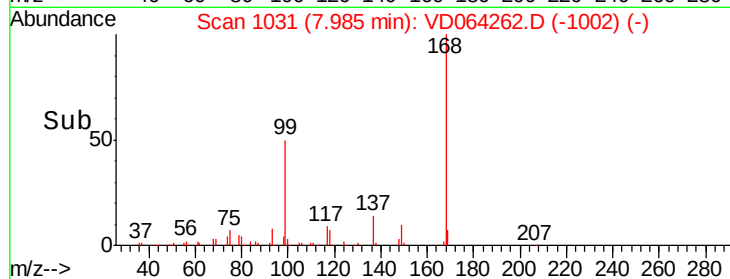
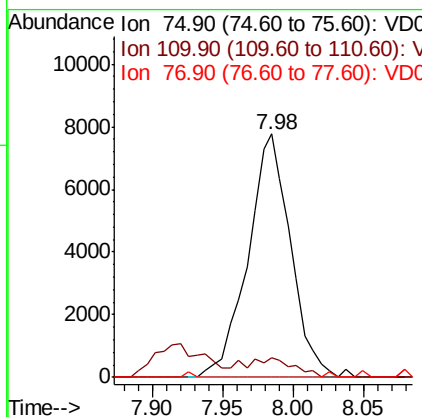
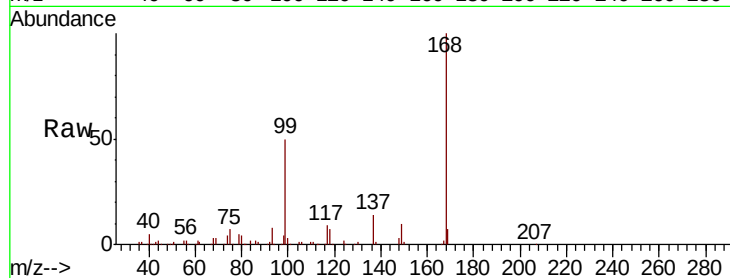




#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064262.D
 Acq: 18 Nov 2019 14:05

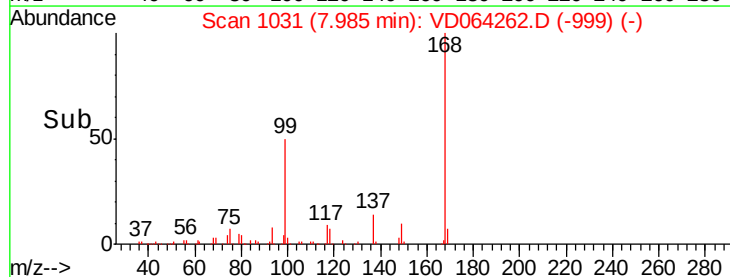
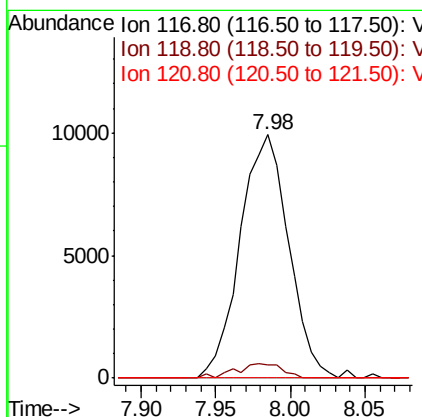
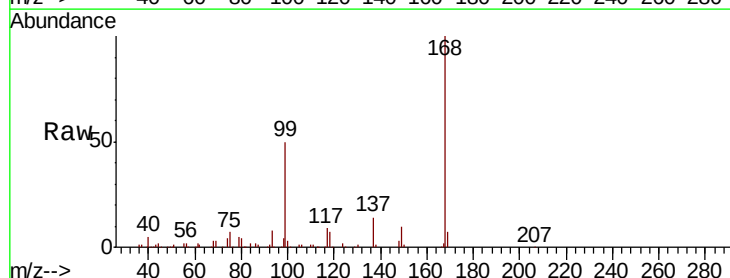
Instrument :
 MSVOA_D
 ClientSampled :

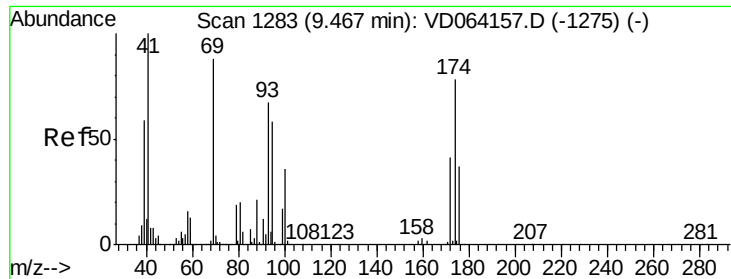
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.972 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064262.D
 Acq: 18 Nov 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.2	115.8#
121	0.0	25.5	38.3#

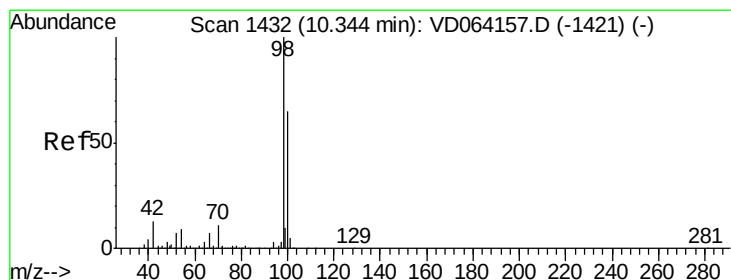
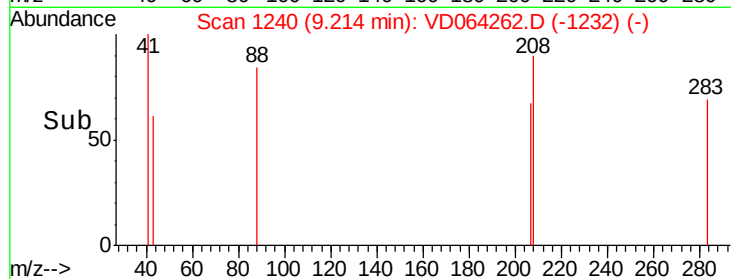
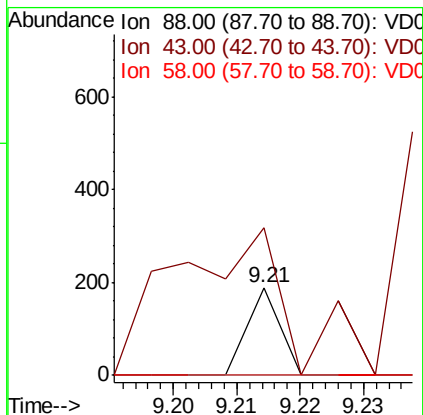
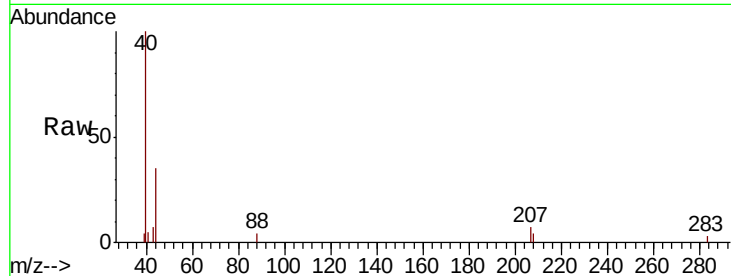




#49
1,4-Dioxane
Concen: 4.481 ug/l
RT: 9.21 min Scan# 1240
Delta R.T. -0.25 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

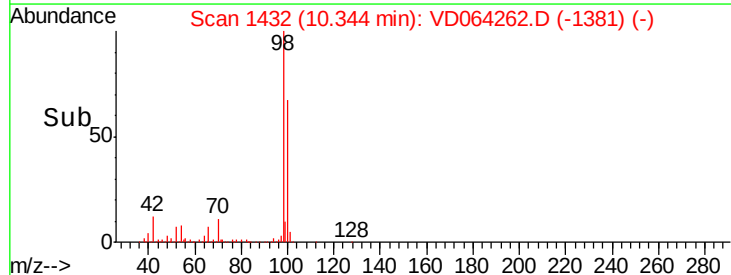
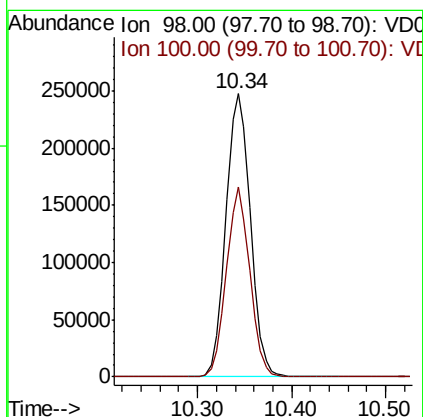
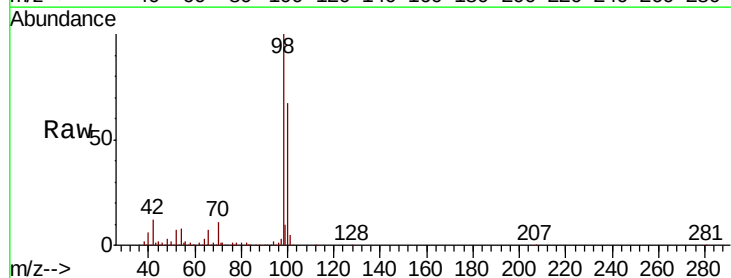
Instrument :
MSVOA_D
ClientSampleId :

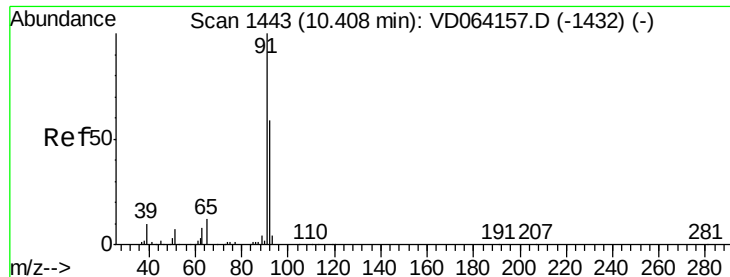
Tot Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 523.9 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 54.604 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

Tgt Ion: 98 Resp: 447832
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8





#52

Toluene

Concen: 12.668 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064262.D

Acq: 18 Nov 2019 14:05

Instrument :

MSVOA_D

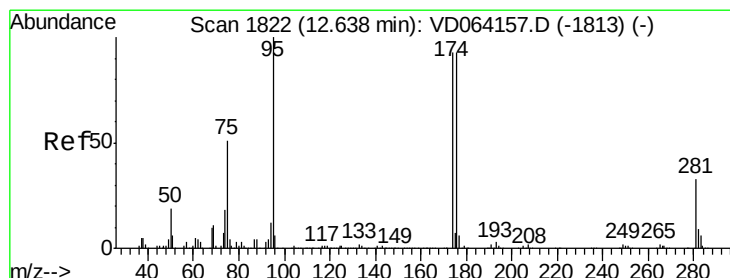
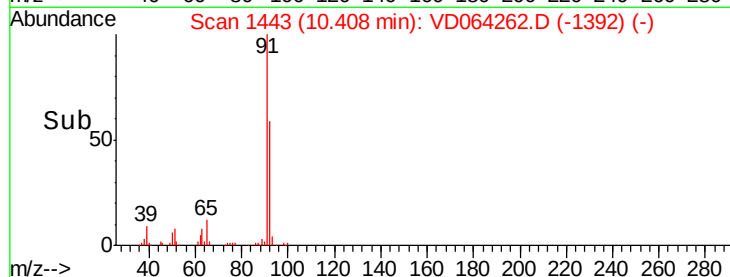
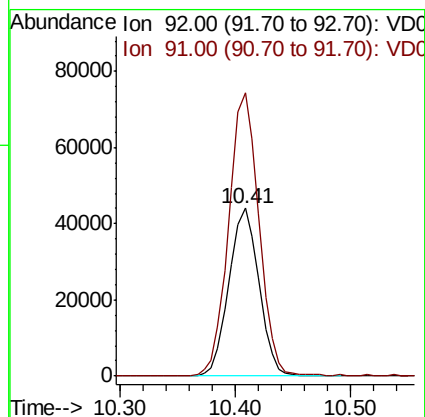
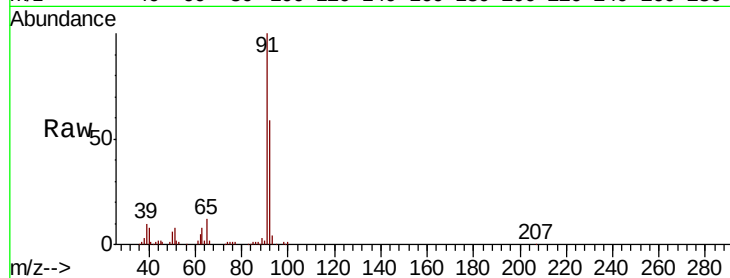
ClientSampled :

Tot Ion: 92 Resp: 79577

Ion Ratio Lower Upper

92 100

91 169.9 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 56.162 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064262.D

Acq: 18 Nov 2019 14:05

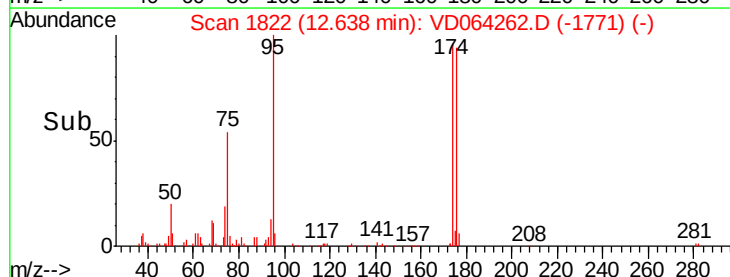
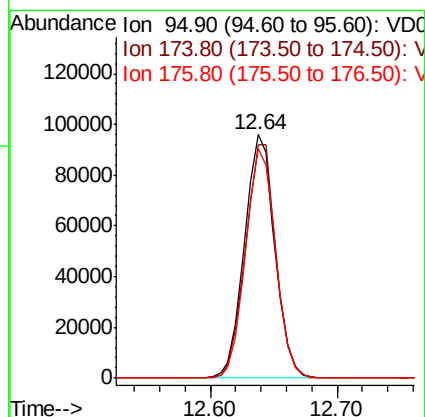
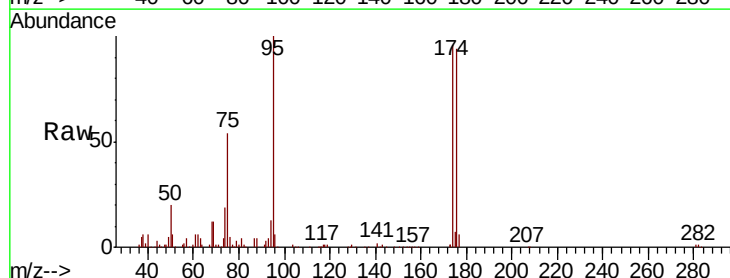
Tgt Ion: 95 Resp: 159514

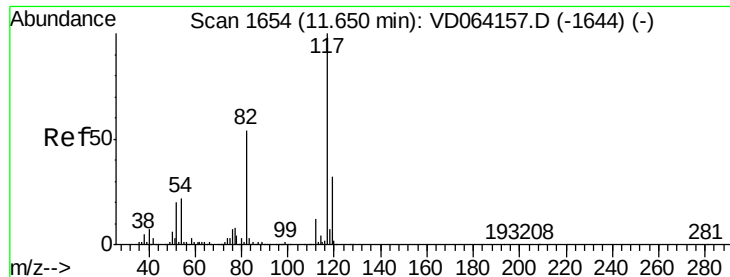
Ion Ratio Lower Upper

95 100

174 96.6 0.0 183.6

176 93.3 0.0 180.2

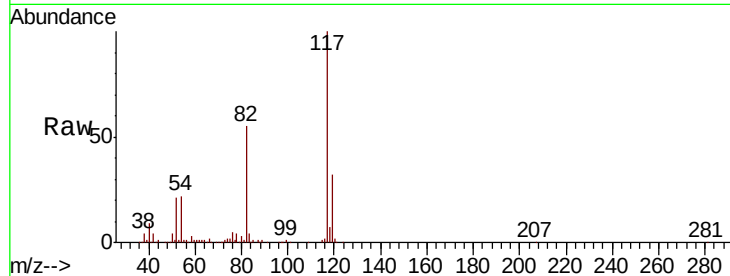




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.8	64.2
119	32.4	25.6	38.4

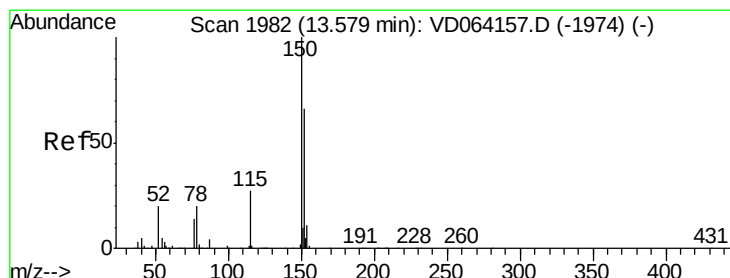
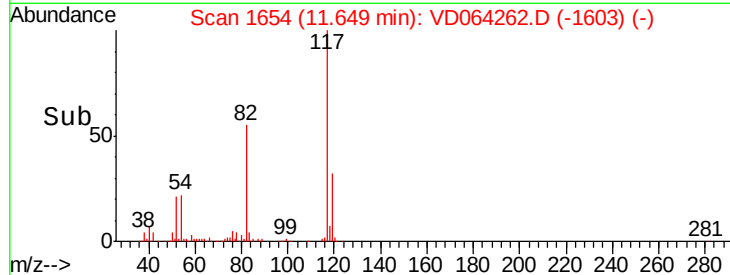
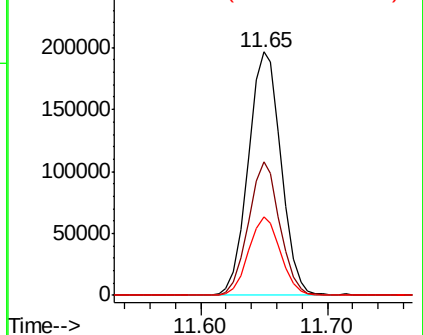


Abundance

Ion 116.90 (116.60 to 117.60): V

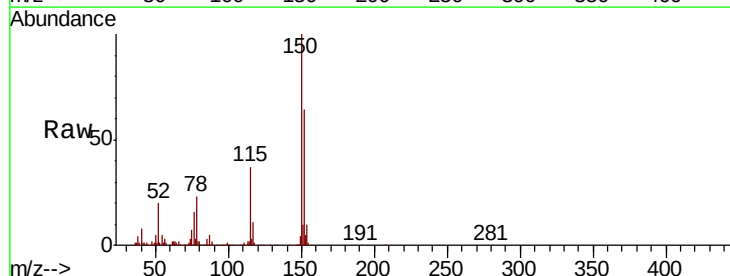
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064262.D
Acq: 18 Nov 2019 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.4	82.2
150	157.3	0.0	351.6

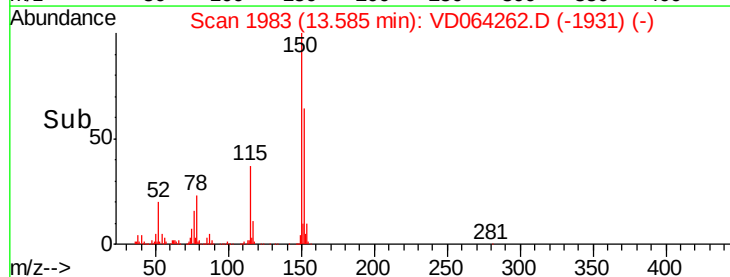
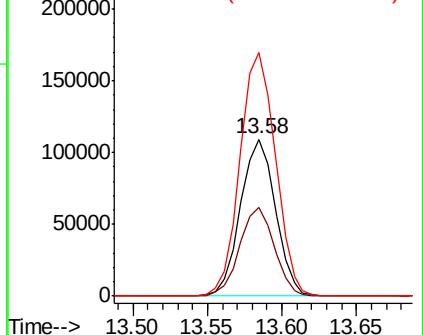


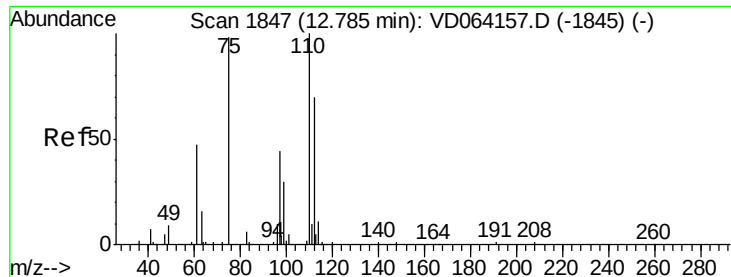
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 57.649 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064262.D

Acq: 18 Nov 2019 14:05

Instrument :

MSVOA_D

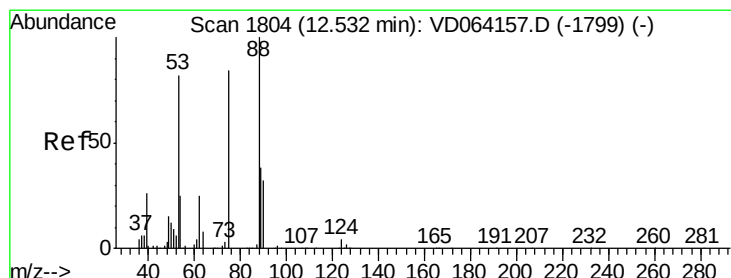
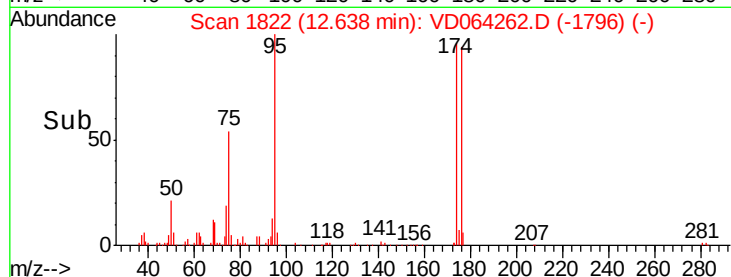
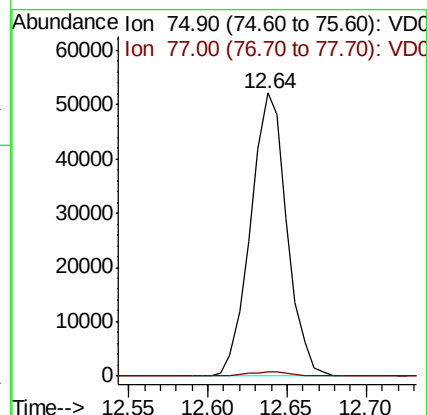
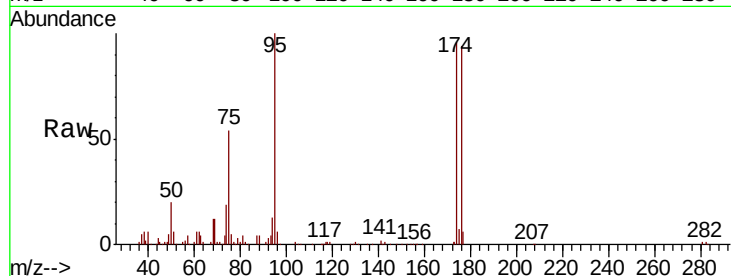
ClientSampleId :

Tot Ion: 75 Resp: 82774

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.514 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064262.D

Acq: 18 Nov 2019 14:05

Tgt Ion: 75 Resp: 82774

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

