

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064235.D
 Acq On : 15 Nov 2019 18:57
 Operator : VA/SY
 Sample : K5839-06
 Misc : 3.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:40:25 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	280134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	417675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	389606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	202889	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	170366	73.95	ug/l	0.00
Spiked Amount			Recovery	=	147.90%	
35) Dibromofluoromethane	7.92	113	135458	56.50	ug/l	0.00
Spiked Amount			Recovery	=	113.00%	
50) Toluene-d8	10.34	98	495453	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	12.64	95	179695	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	

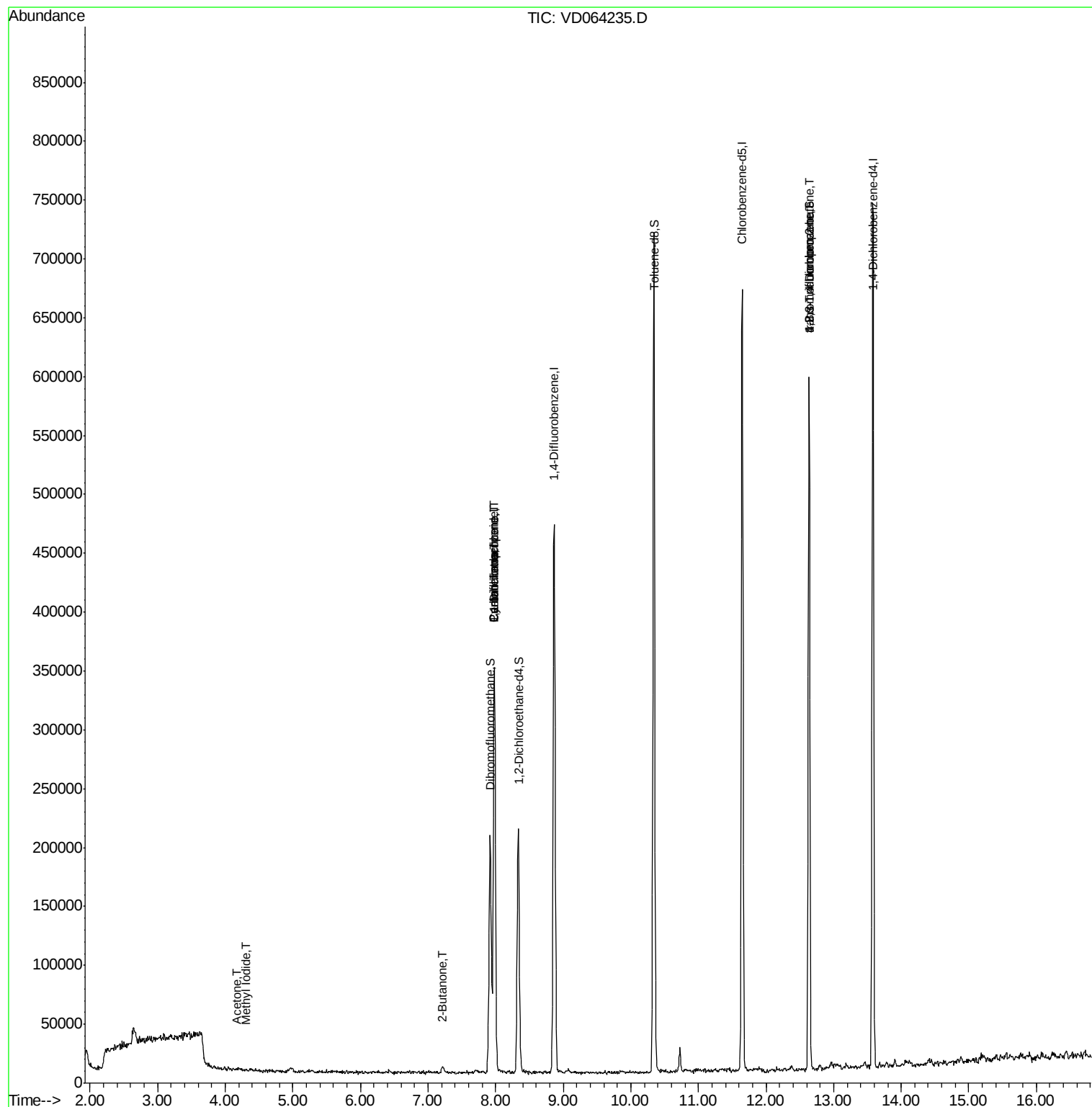
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	60	2.052	ug/l #	41
16) Acetone	4.17	43	1192	2.184	ug/l	100
25) 2-Butanone	7.21	43	1047	1.485	ug/l #	49
31) Cyclohexane	7.99	56	6614	1.463	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	18879	4.898	ug/l #	48
38) Carbon Tetrachloride	7.99	117	24898	6.036	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	93059	56.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	93059	113.114	ug/l #	10

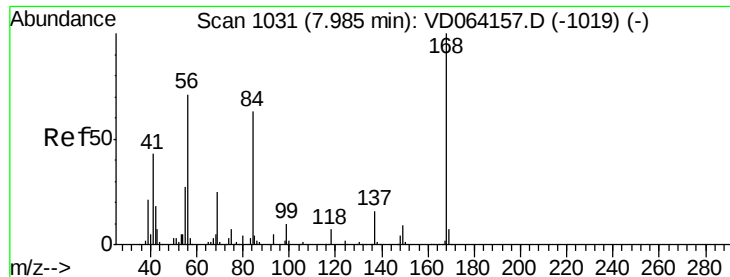
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111519\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

Instrument :

MSVOA_D

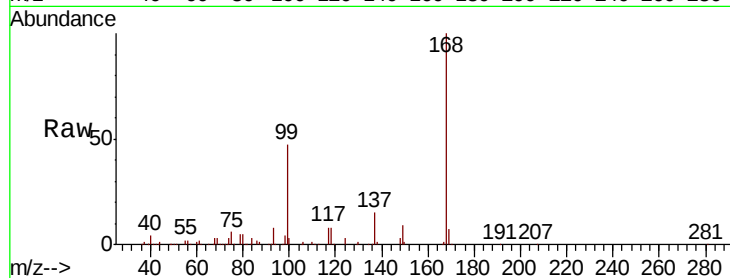
ClientSampleId :

Tot Ion:168 Resp: 280134

Ion Ratio Lower Upper

168 100

99 47.1 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

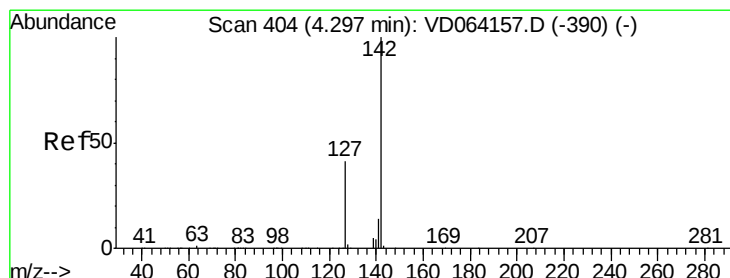
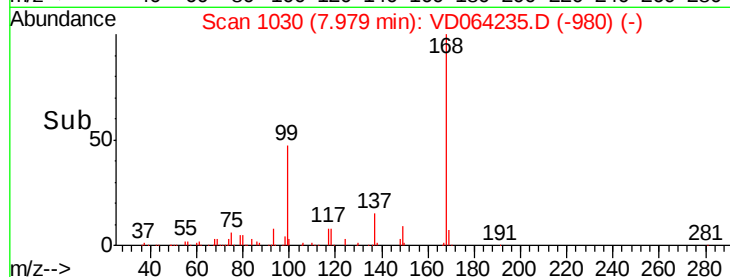
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.052 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

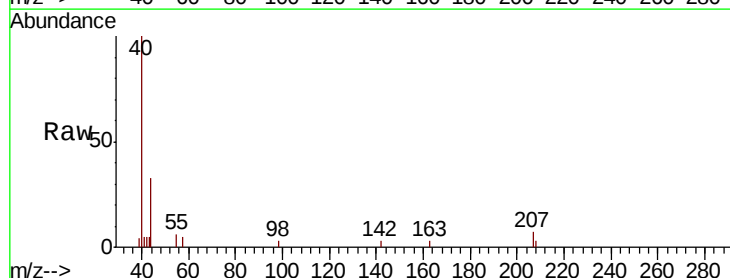
Tgt Ion:142 Resp: 60

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

4.30

200

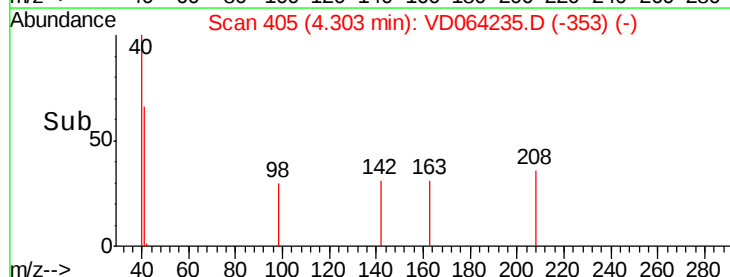
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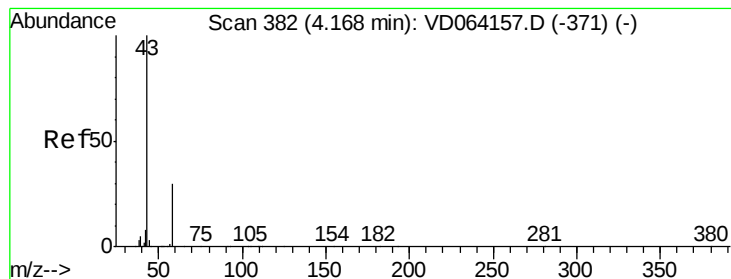
100

50

0

Time-->





#16

Acetone

Concen: 2.184 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

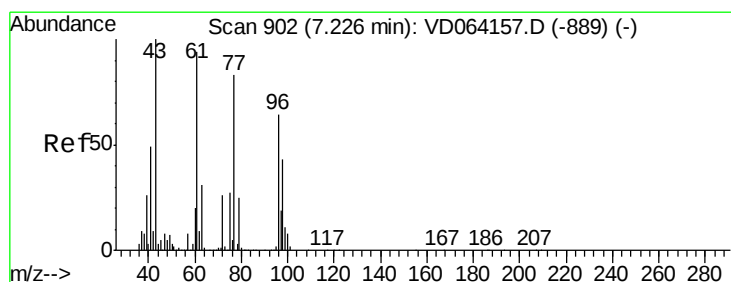
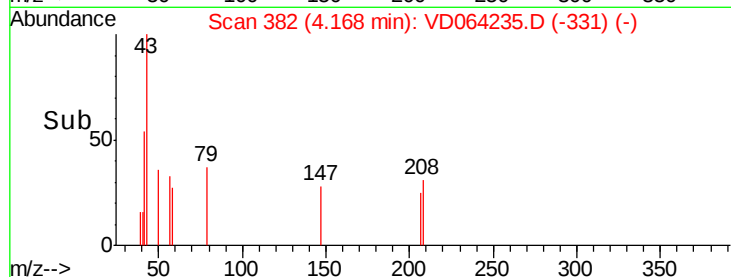
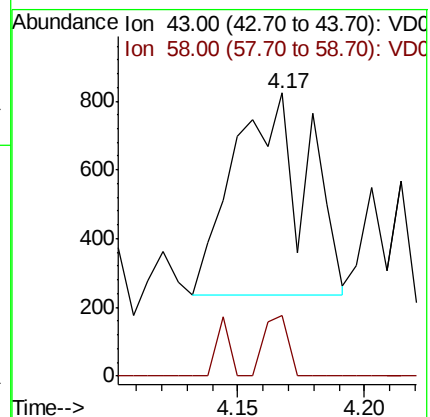
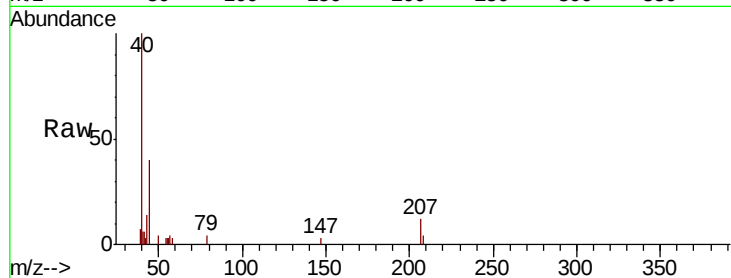
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1192

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1



#25

2-Butanone

Concen: 1.485 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064235.D

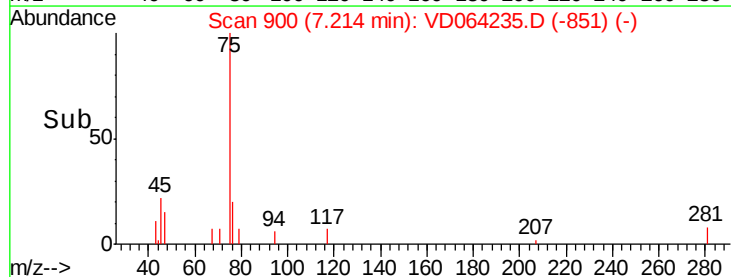
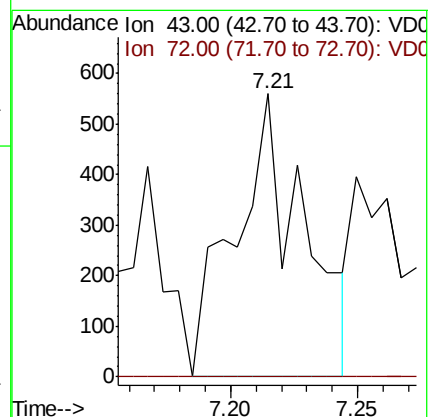
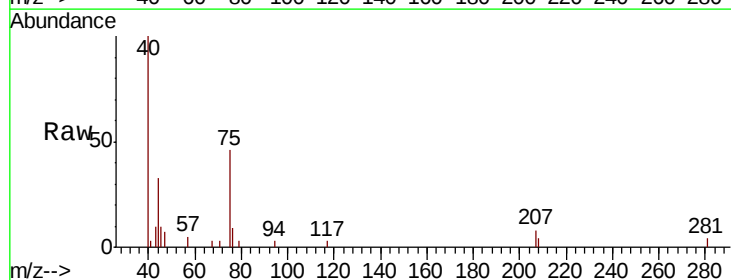
Acq: 15 Nov 2019 18:57

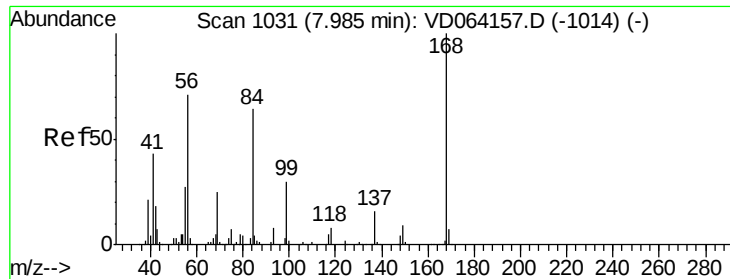
Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

72 0.0 20.6 30.8#

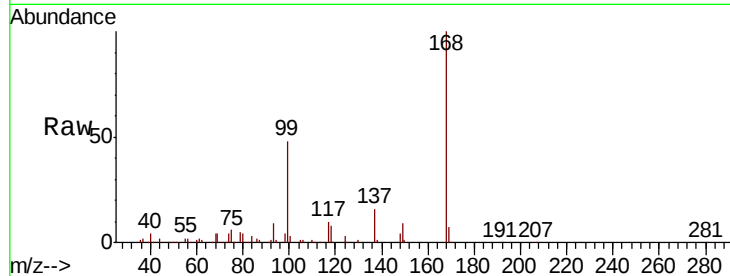




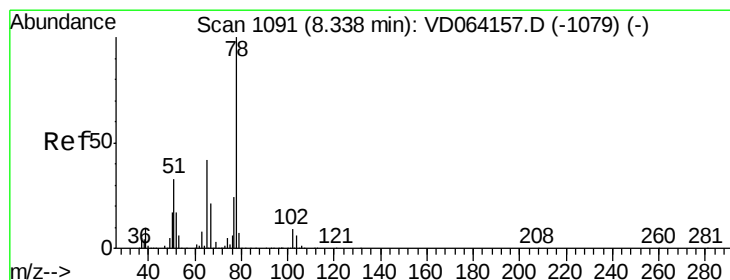
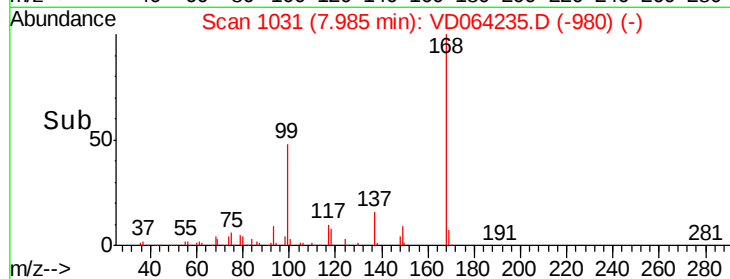
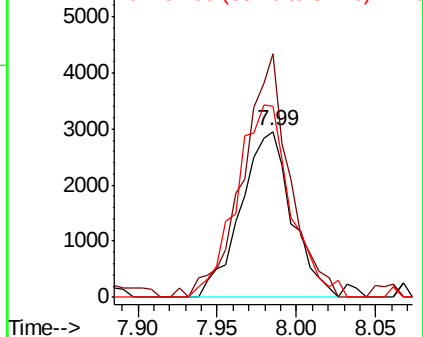
#31
Cvclohexane
Concen: 1.463 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064235.D
Acq: 15 Nov 2019 18:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6614
Ion Ratio Lower Upper
56 100
69 146.7 28.2 42.4#
84 115.1 71.8 107.6#

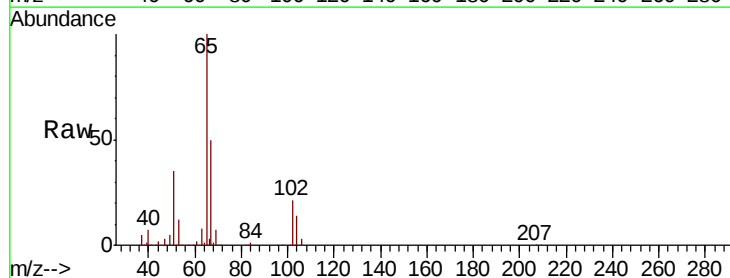


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

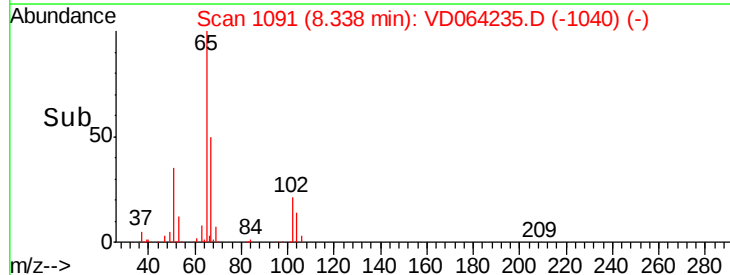
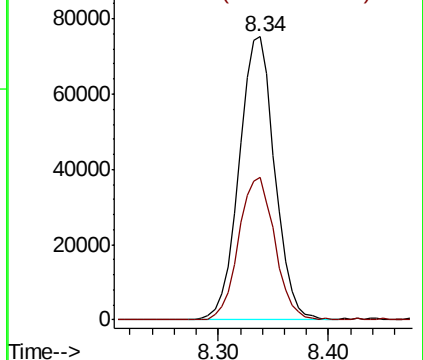


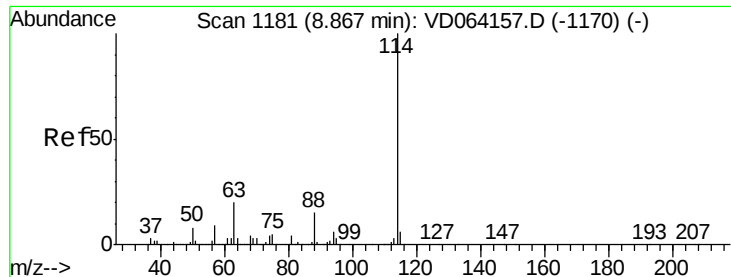
#33
1,2-Dichloroethane-d4
Concen: 73.946 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064235.D
Acq: 15 Nov 2019 18:57

Tgt Ion: 65 Resp: 170366
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4



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

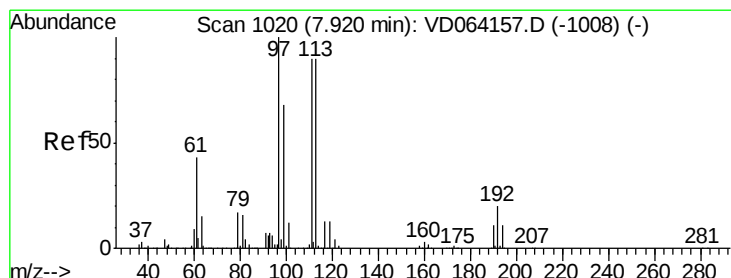
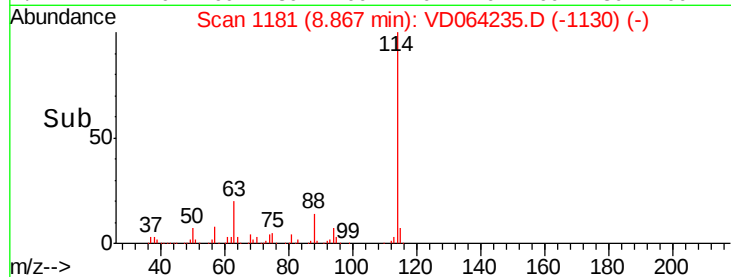
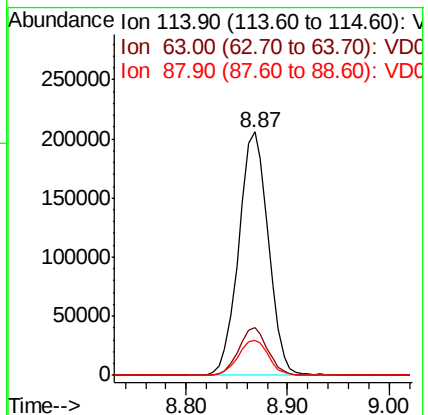
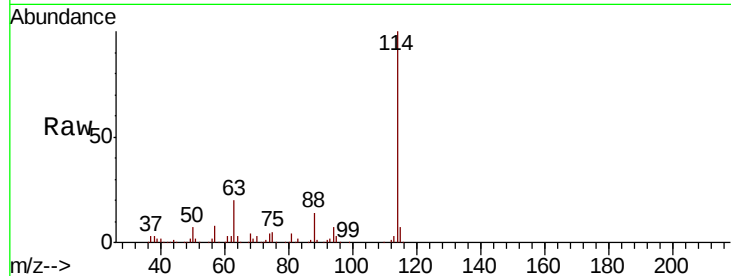




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064235.D
 Acq: 15 Nov 2019 18:57

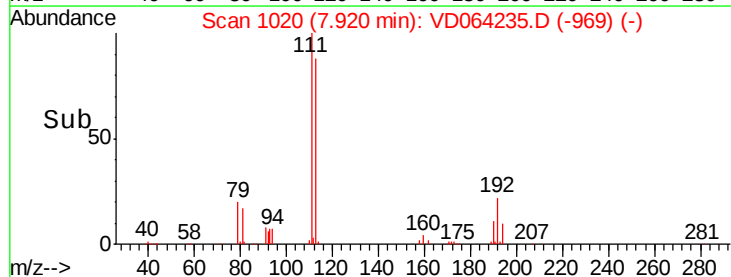
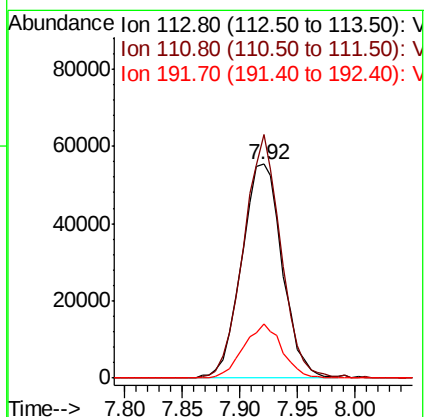
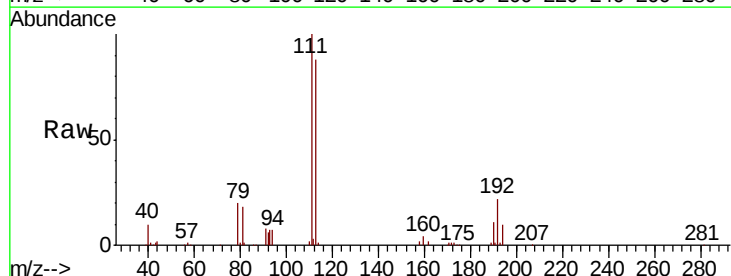
Instrument :
 MSVOA_D
 ClientSampled :

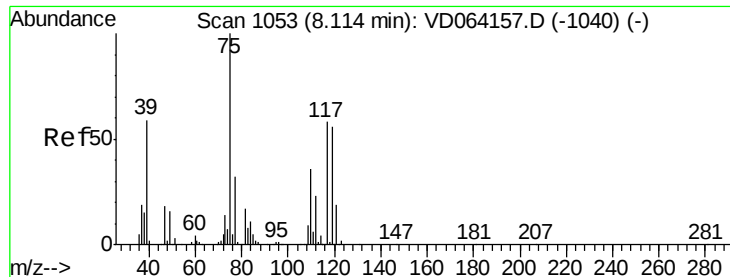
Tot Ion:114 Resp: 417675
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 14.1 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 56.499 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064235.D
 Acq: 15 Nov 2019 18:57

Tgt Ion:113 Resp: 135458
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.5 122.3
 192 24.1 18.8 28.2





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

Instrument :
MSVOA_D
ClientSampleId :

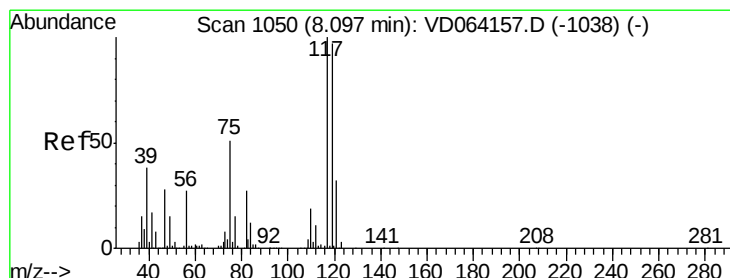
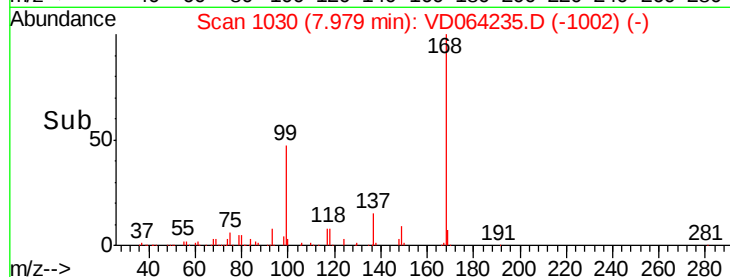
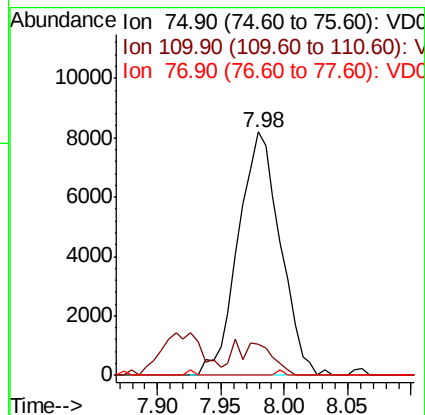
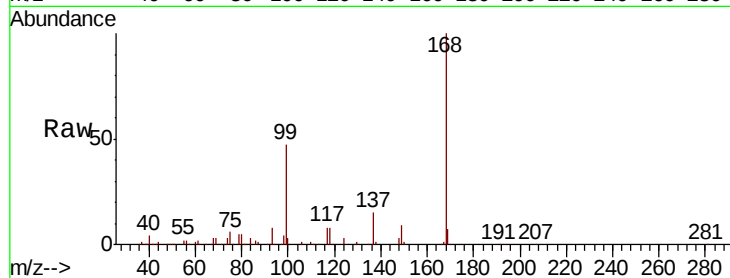
Tot Ion: 75 Resp: 18879

Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.9#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

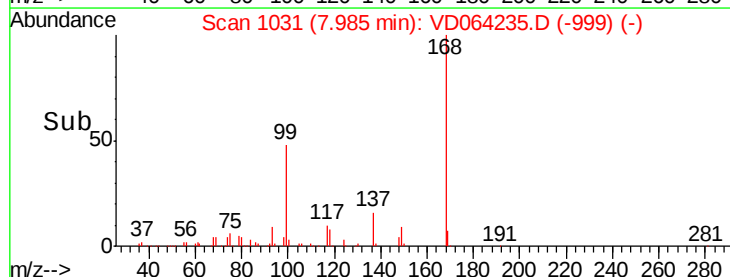
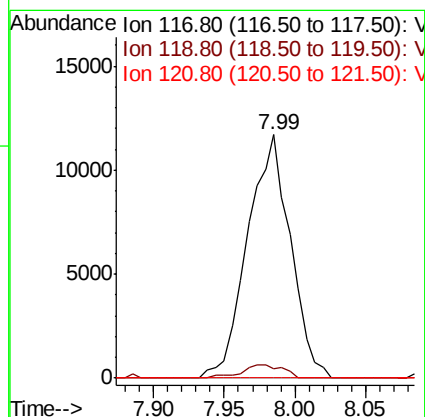
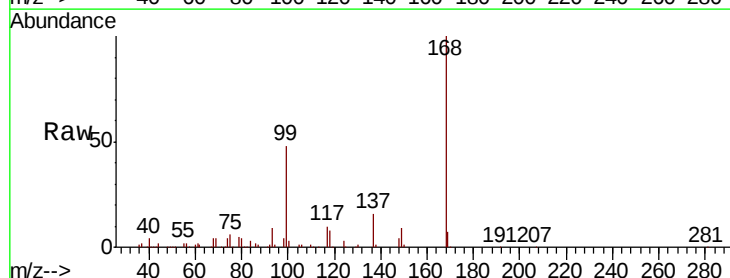
Tgt Ion: 117 Resp: 24898

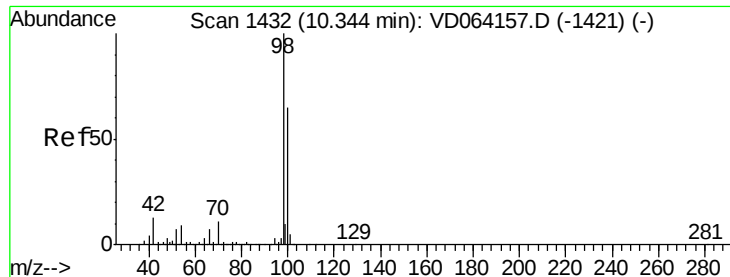
Ion Ratio Lower Upper

117 100

119 3.9 77.2 115.8#

121 0.0 25.5 38.3#

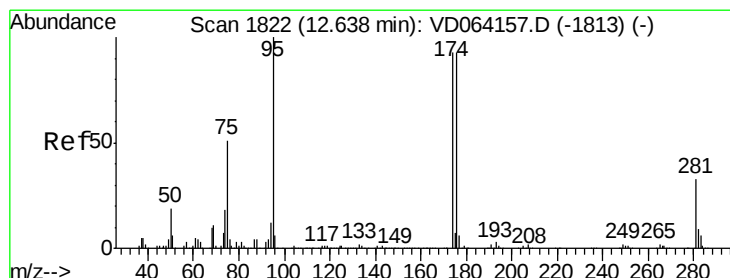
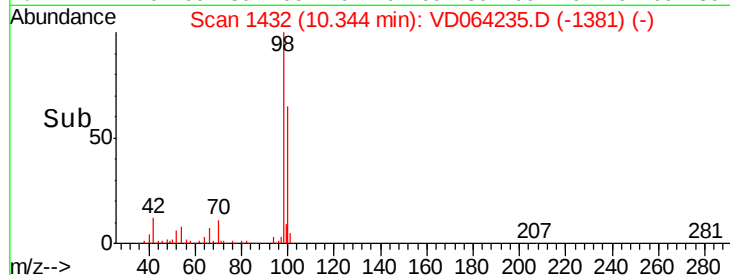
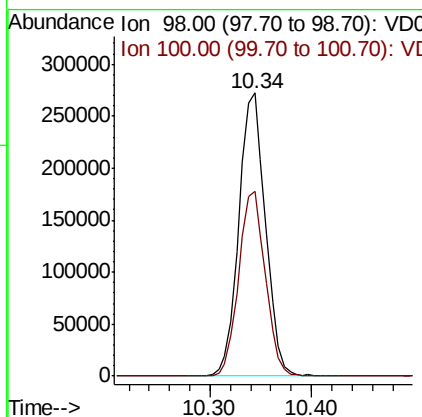
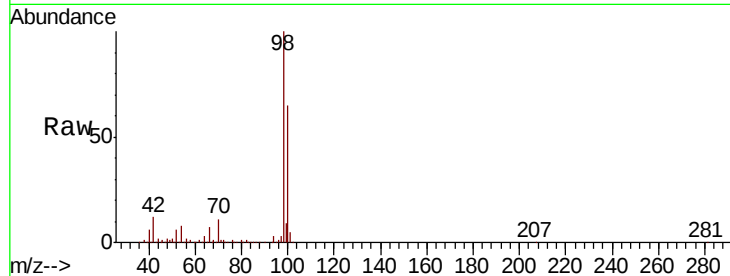




#50
Toluene-d8
Concen: 54.780 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064235.D
Acq: 15 Nov 2019 18:57

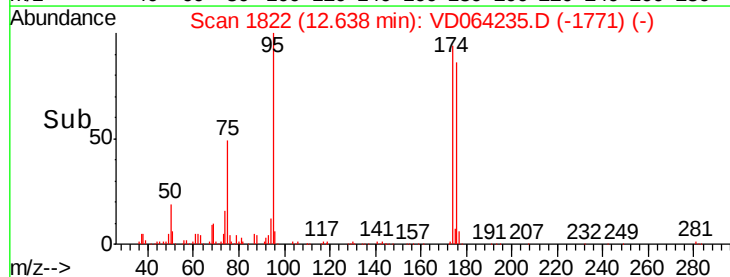
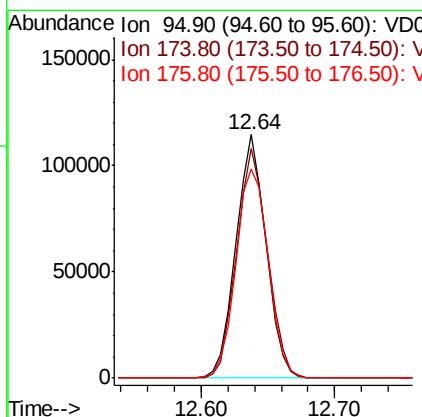
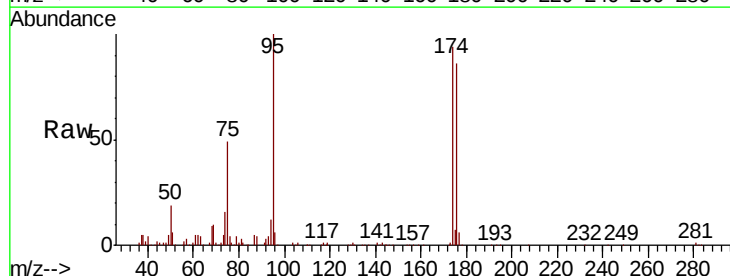
Instrument :
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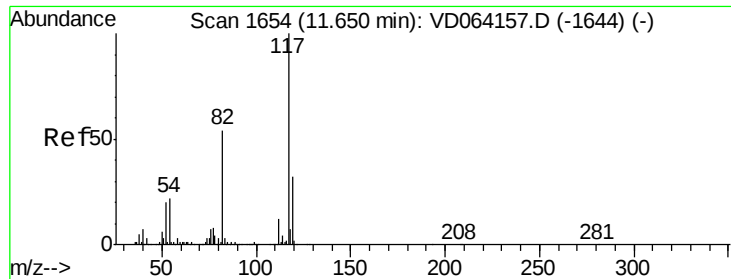
Tot Ion: 98 Resp: 495453
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 57.371 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064235.D
Acq: 15 Nov 2019 18:57

Tgt Ion: 95 Resp: 179695
Ion Ratio Lower Upper
95 100
174 96.5 0.0 183.6
176 92.0 0.0 180.2

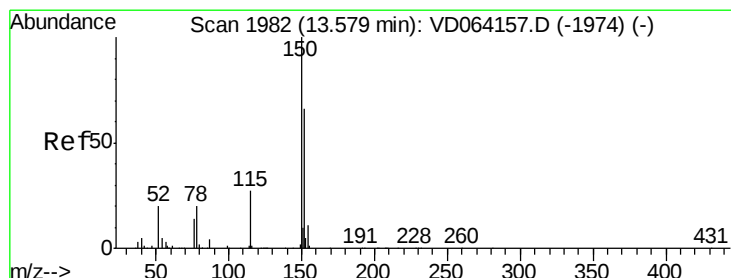
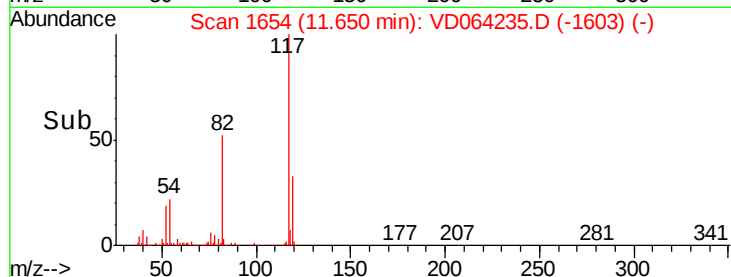
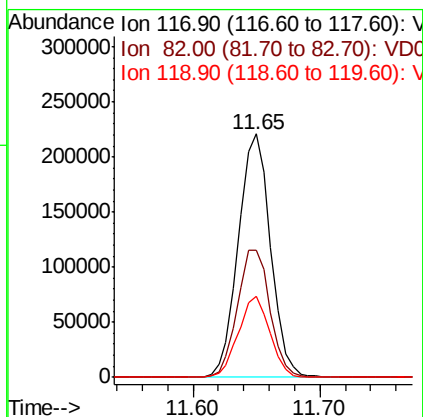
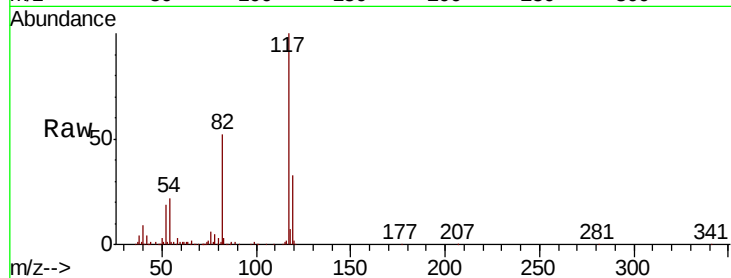




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064235.D
Acq: 15 Nov 2019 18:57

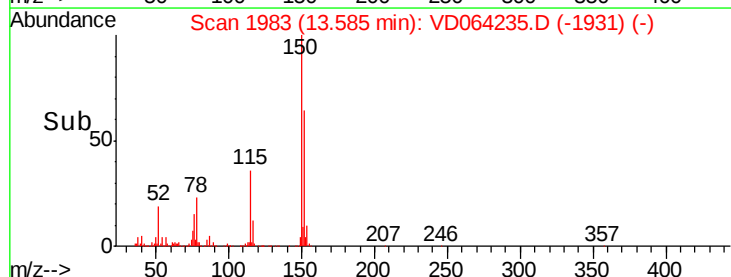
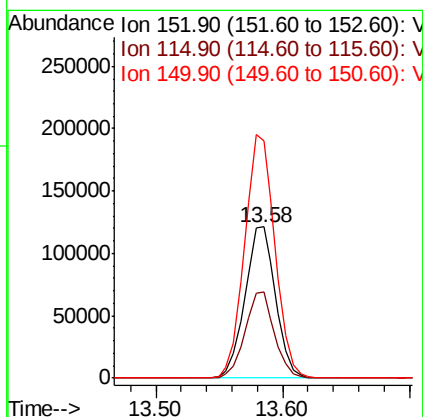
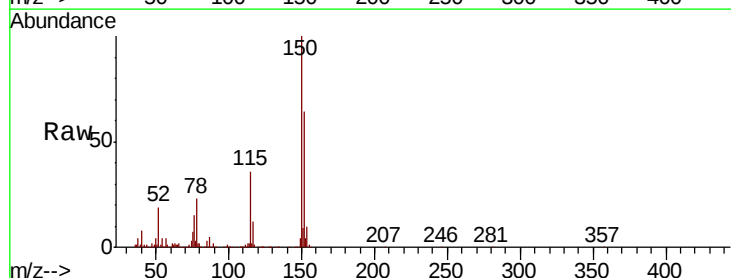
Instrument :
MSVOA_D
ClientSampleId :

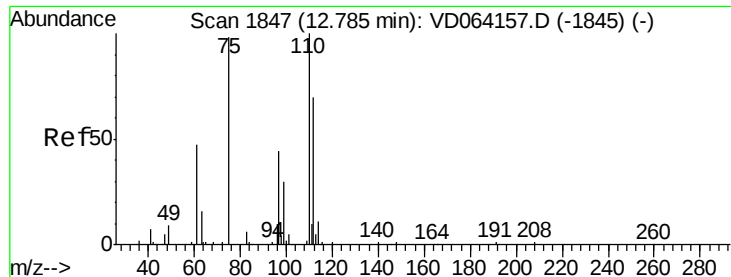
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	33.0	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064235.D
Acq: 15 Nov 2019 18:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.4	82.2
150	159.3	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 56.944 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

Instrument :

MSVOA_D

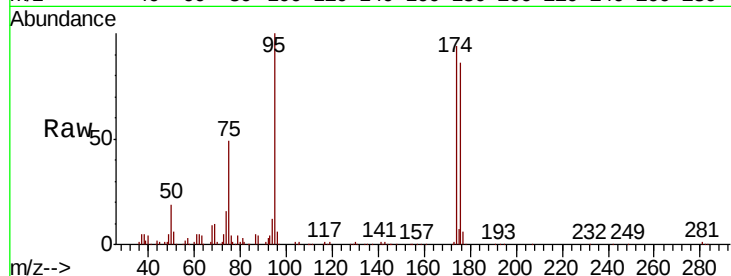
ClientSampleId :

Tot Ion: 75 Resp: 93059

Ion Ratio Lower Upper

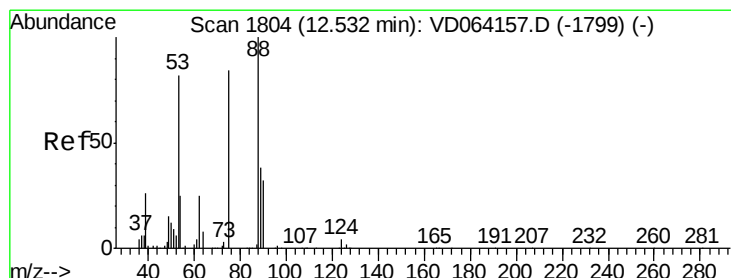
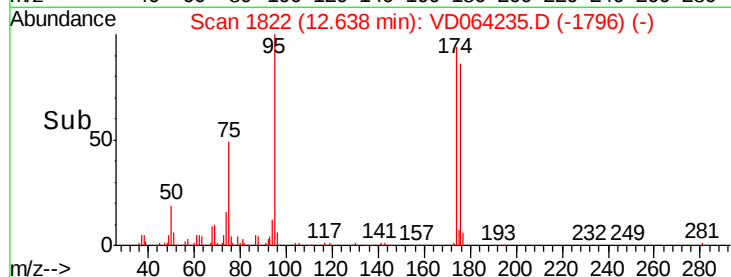
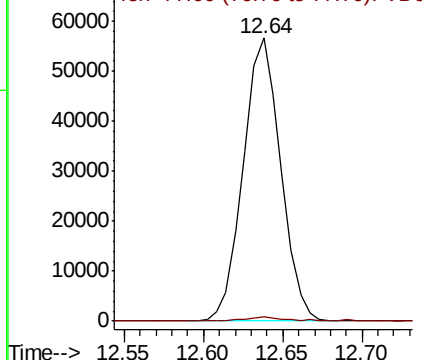
75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 113.114 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064235.D

Acq: 15 Nov 2019 18:57

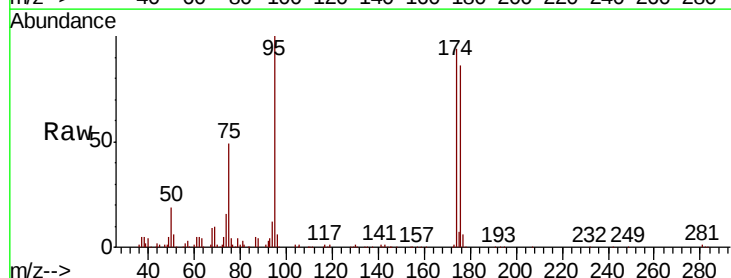
Tgt Ion: 75 Resp: 93059

Ion Ratio Lower Upper

75 100

53 0.1 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

