

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064363.D
 Acq On : 25 Nov 2019 16:30
 Operator : VA/SY
 Sample : K5999-05
 Misc : 4.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:36:38 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	732318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1093761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	906353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	371588	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	310369	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
35) Dibromofluoromethane	7.92	113	333159	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
50) Toluene-d8	10.34	98	1288371	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.64	95	364949	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	

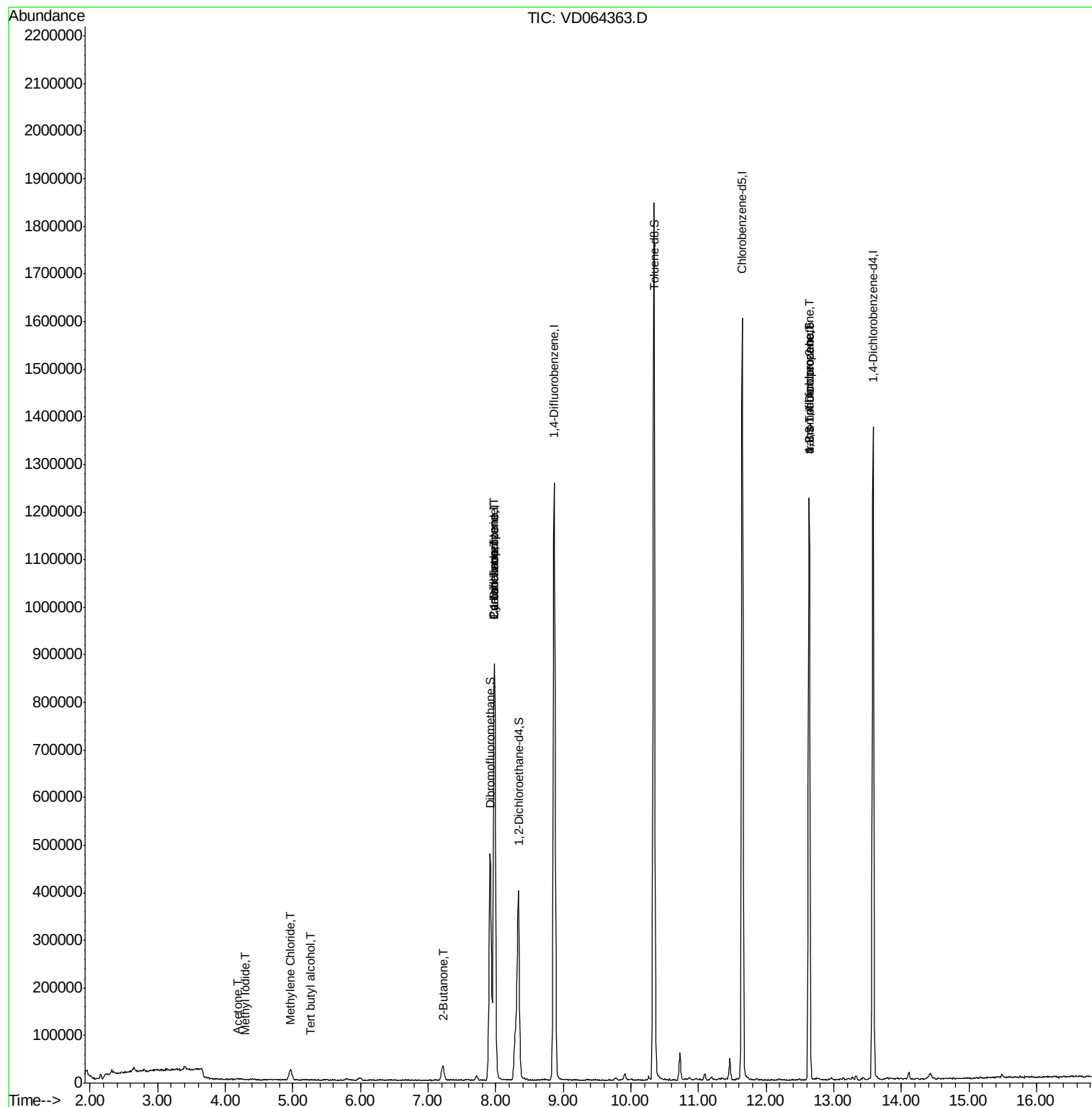
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	241	2.063	ug/l #	41
11) Tert butyl alcohol	5.25	59	609	1.448	ug/l #	69
16) Acetone	4.18	43	2377	1.666	ug/l	97
20) Methylene Chloride	4.96	84	15770	2.188	ug/l	91
25) 2-Butanone	7.23	43	2379	1.291	ug/l	97
31) Cyclohexane	7.98	56	14987	1.268	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	49629	4.916	ug/l #	49
38) Carbon Tetrachloride	7.98	117	66604	6.166	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	186849	62.428	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	186849	124.007	ug/l #	10

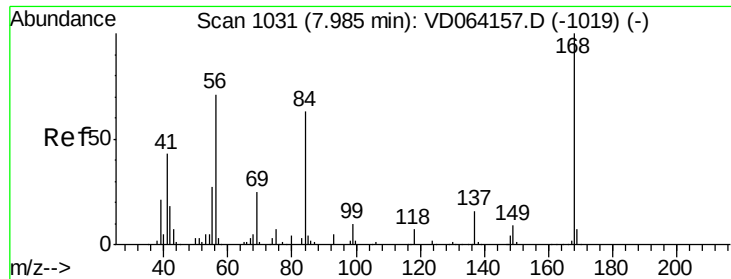
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064363.D

Acq: 25 Nov 2019 16:30

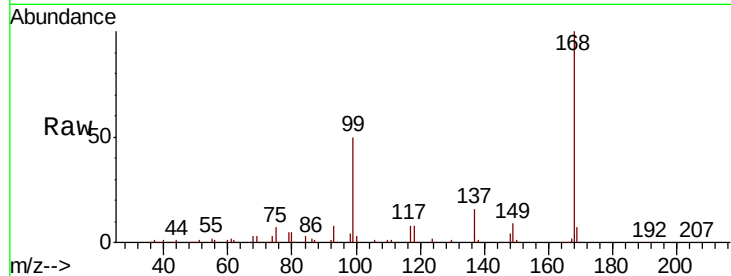
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 732318

Ion Ratio Lower Upper

168 100

99 49.6 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

300000

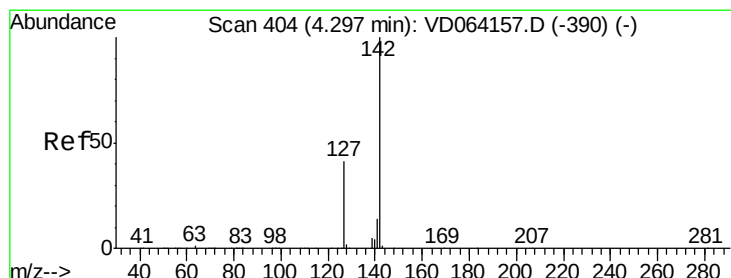
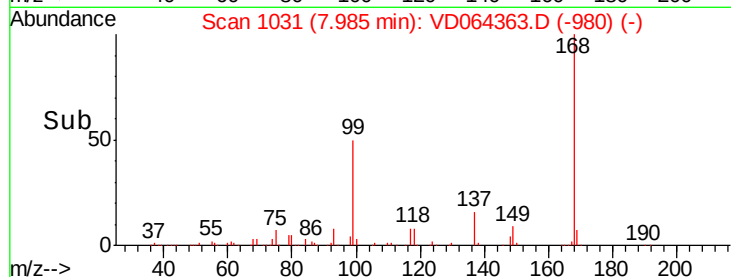
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.063 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064363.D

Acq: 25 Nov 2019 16:30

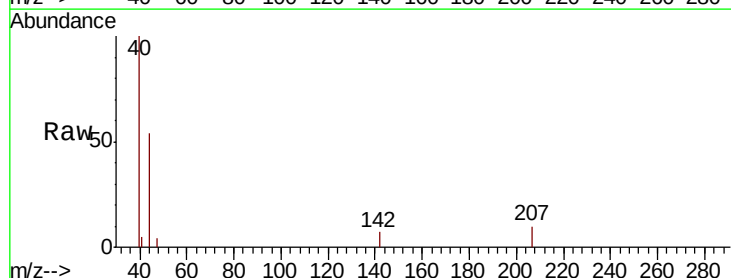
Tgt Ion:142 Resp: 241

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

4.29

300

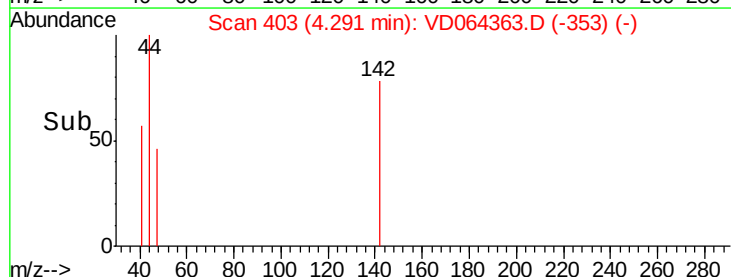
200

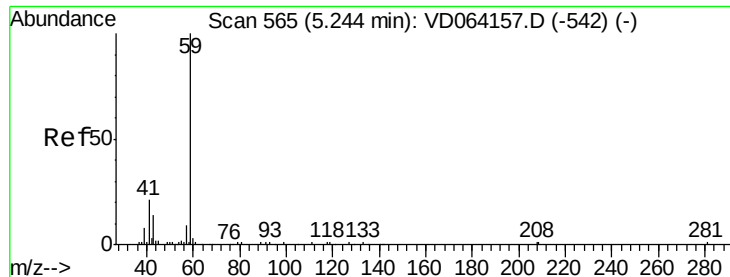
100

0

Time-->

4.28 4.30 4.32

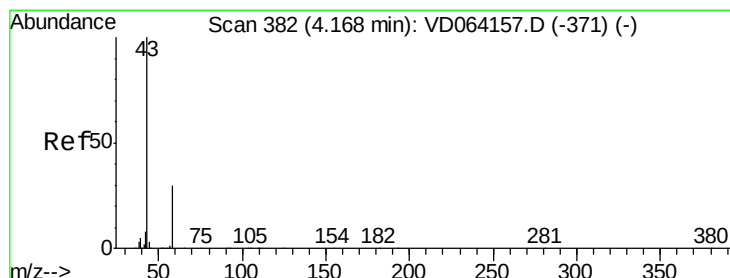
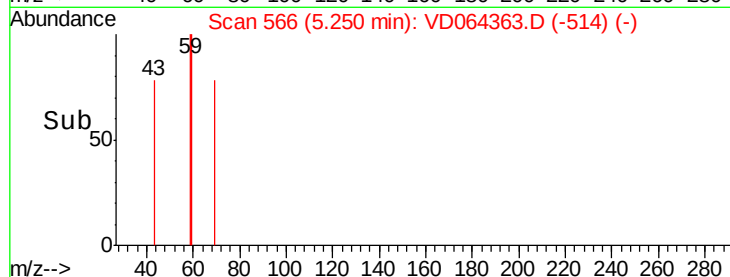
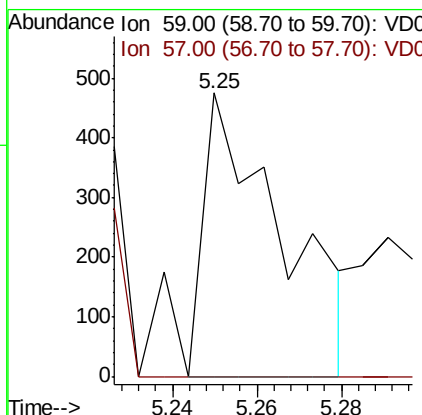
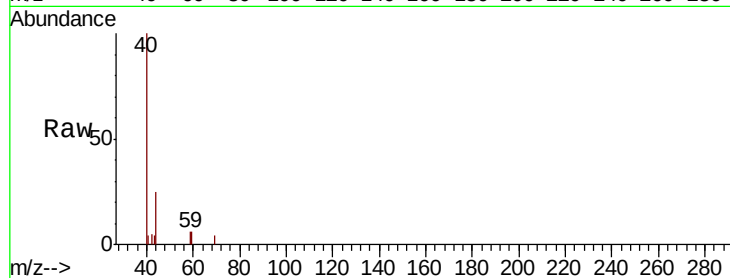




#11
Tert butyl alcohol
Concen: 1.448 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

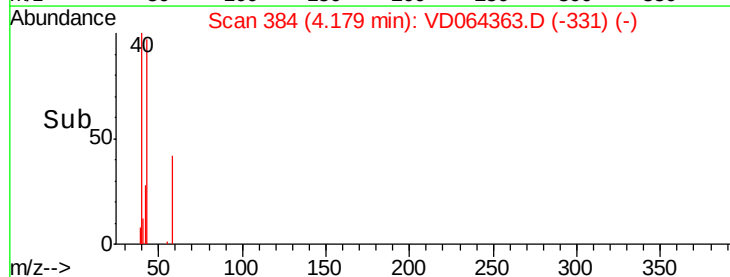
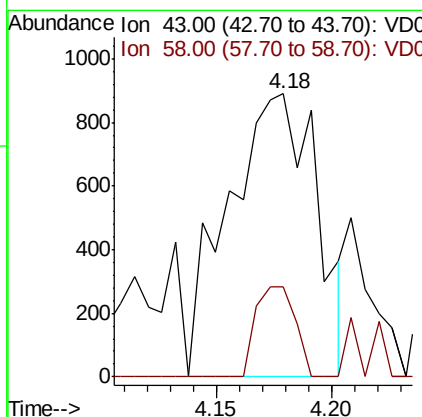
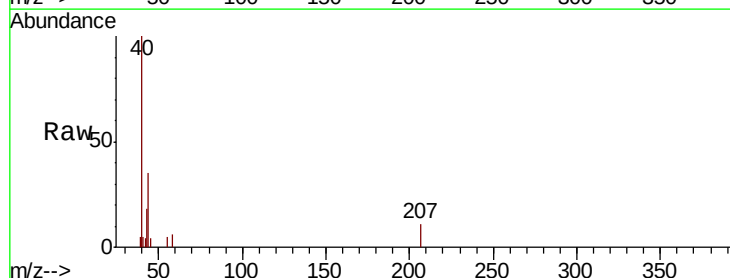
Instrument :
MSVOA_D
ClientSampled :

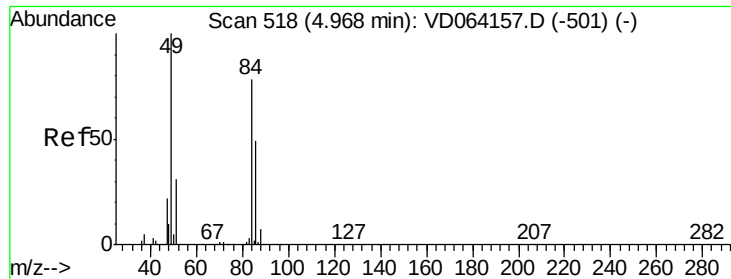
Tot Ion: 59 Resp: 609
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#



#16
Acetone
Concen: 1.666 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Tgt Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
58 31.9 24.1 36.1

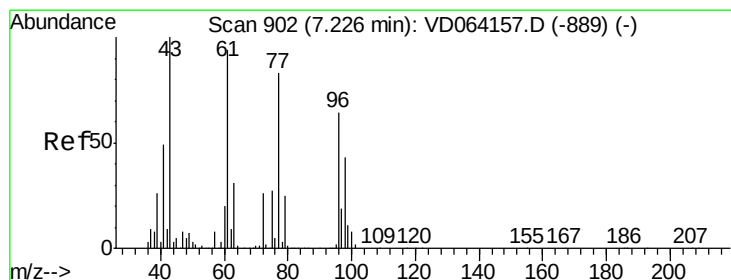
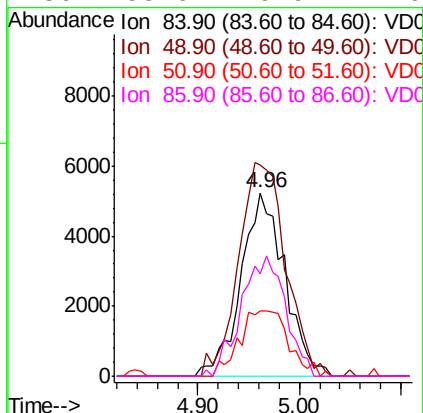
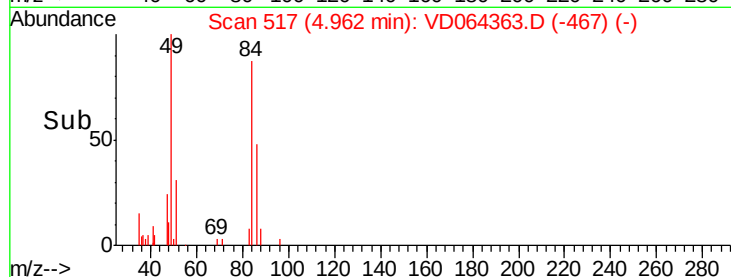
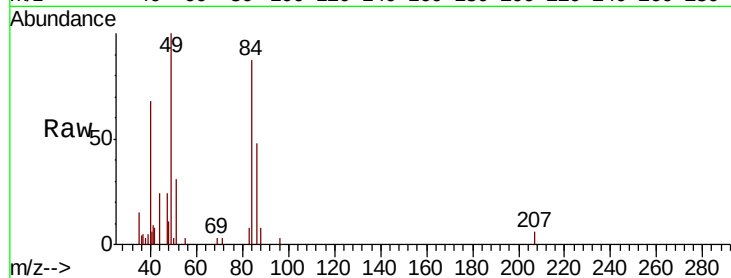




#20
Methylene Chloride
Concen: 2.188 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

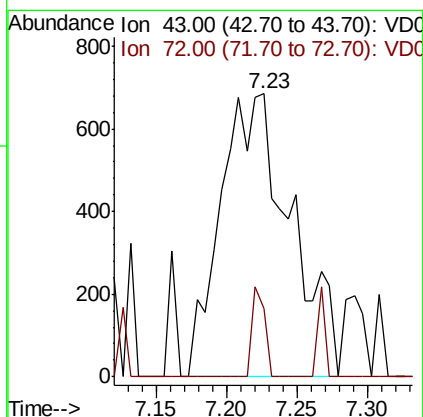
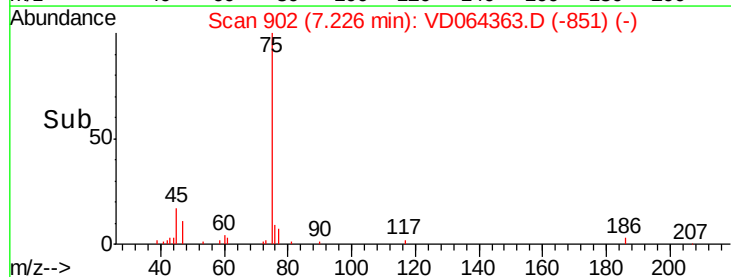
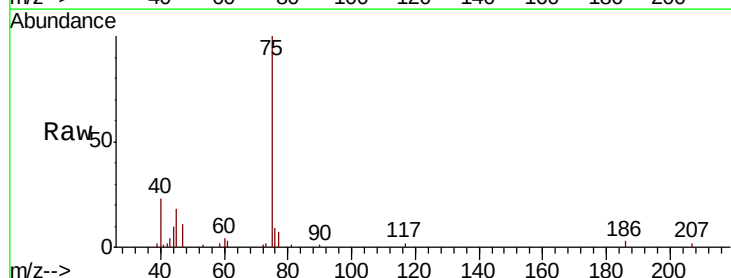
Instrument :
MSVOA_D
ClientSampleId :

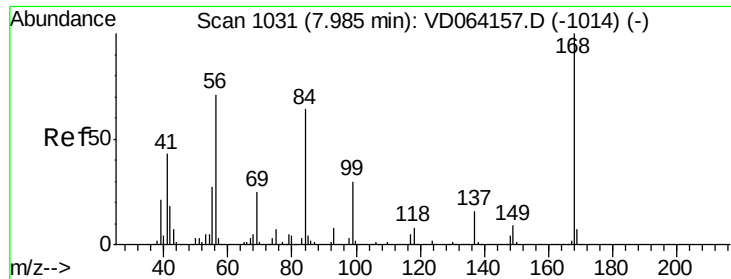
Tot Ion: 84 Resp: 15770
Ion Ratio Lower Upper
84 100
49 115.4 102.1 153.1
51 36.0 32.2 48.2
86 55.6 49.9 74.9



#25
2-Butanone
Concen: 1.291 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
72 23.9 20.6 30.8

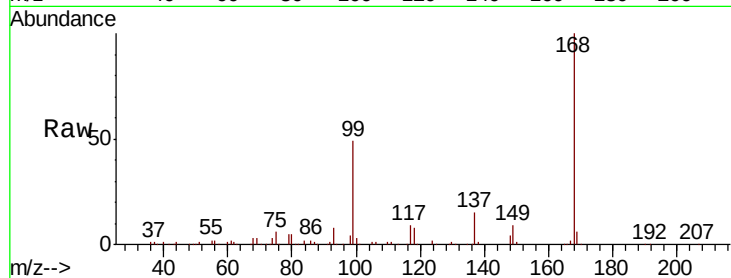




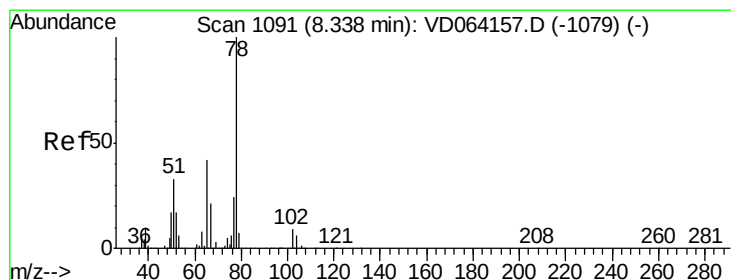
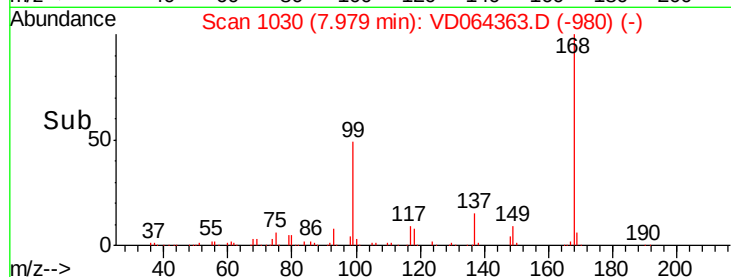
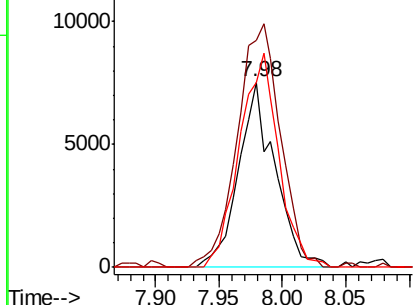
#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 14987
Ion Ratio Lower Upper
56 100
69 122.2 28.2 42.4#
84 99.4 71.8 107.6

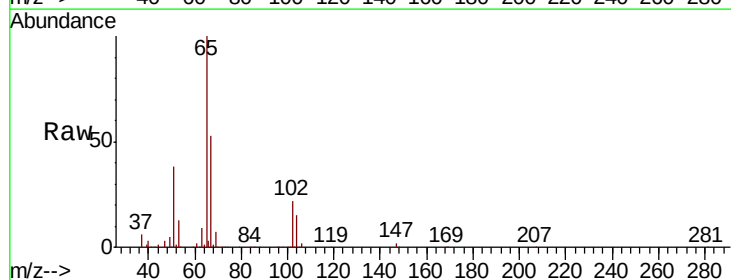


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

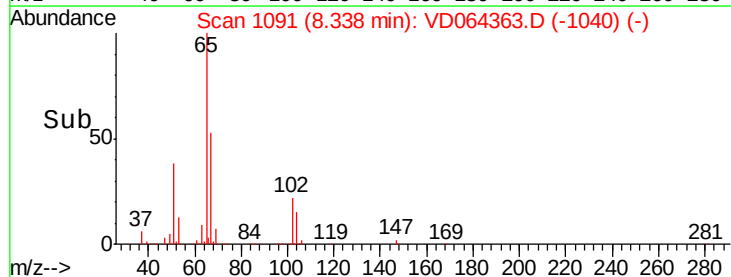
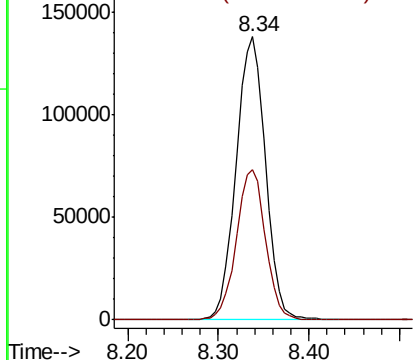


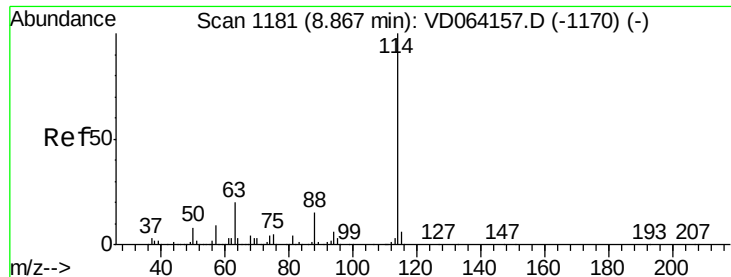
#33
1,2-Dichloroethane-d4
Concen: 51.532 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Tgt Ion: 65 Resp: 310369
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.4



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

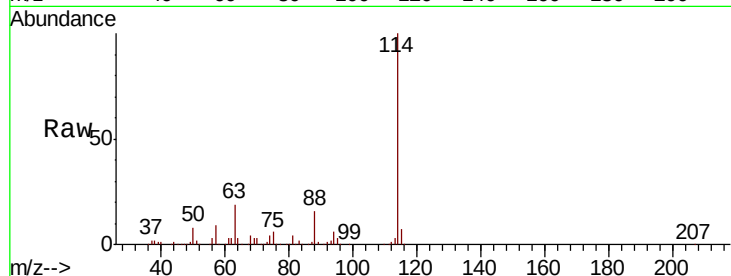




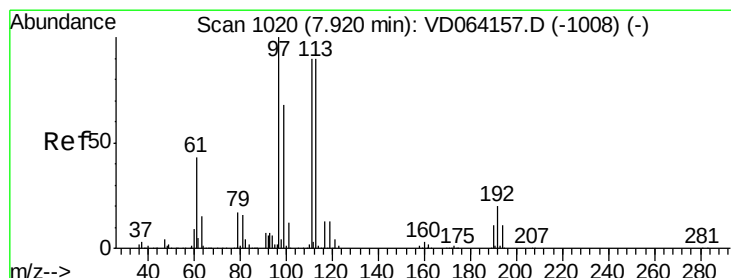
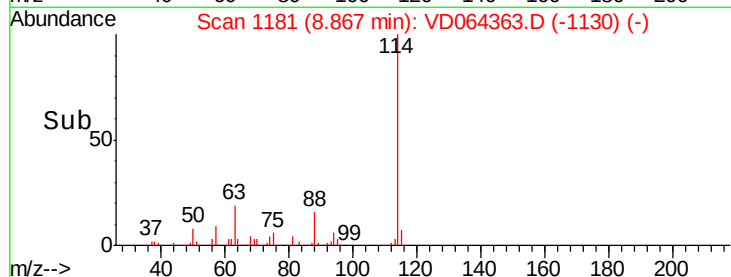
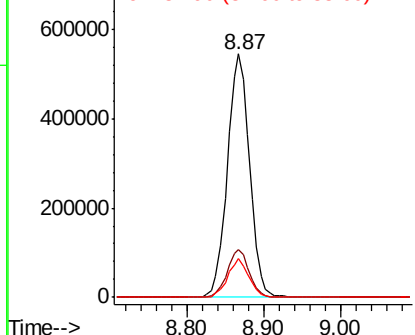
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064363.D
 Acq: 25 Nov 2019 16:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1093761
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.9 0.0 30.2

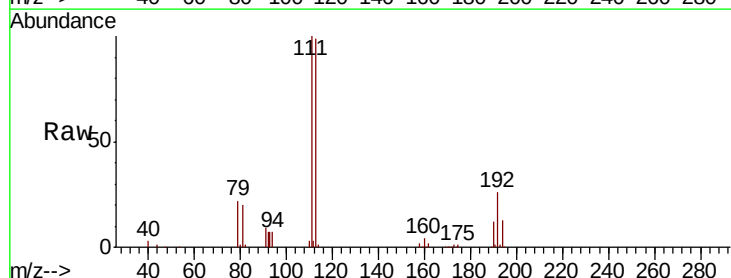


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

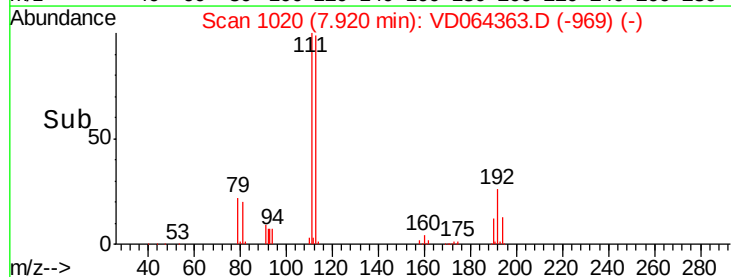
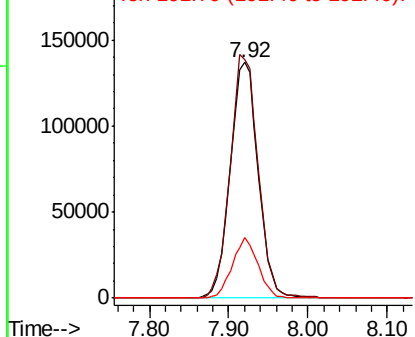


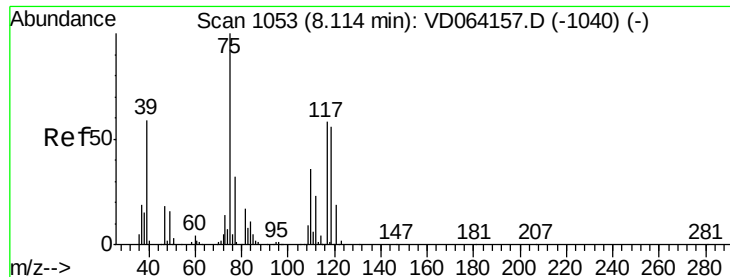
#35
 Dibromofluoromethane
 Concen: 53.065 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064363.D
 Acq: 25 Nov 2019 16:30

Tgt Ion:113 Resp: 333159
 Ion Ratio Lower Upper
 113 100
 111 103.0 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

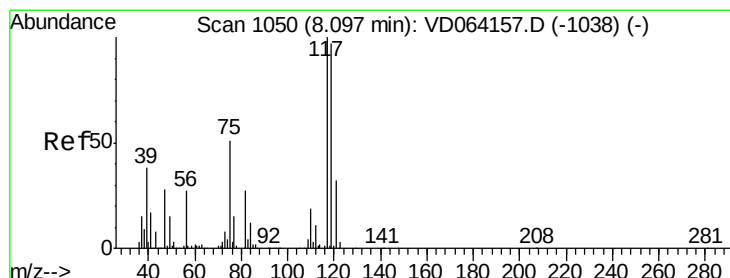
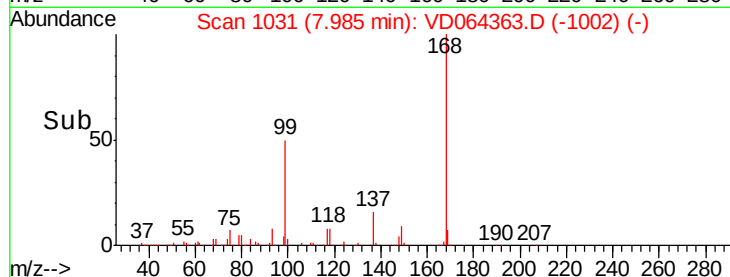
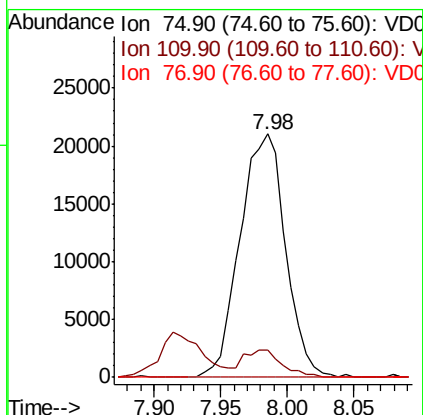
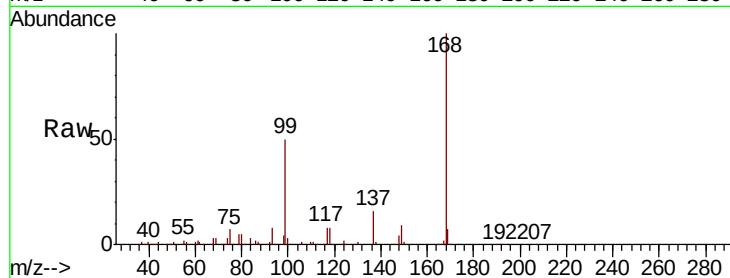




#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064363.D
 Acq: 25 Nov 2019 16:30

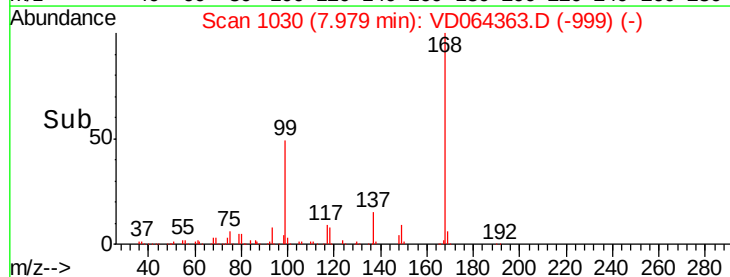
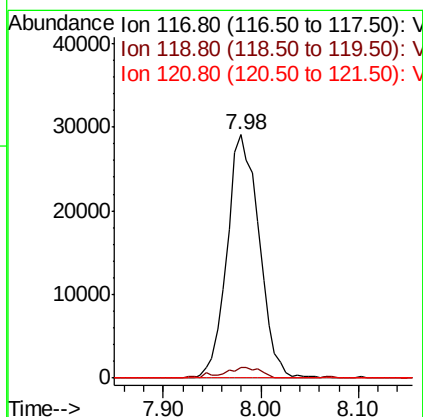
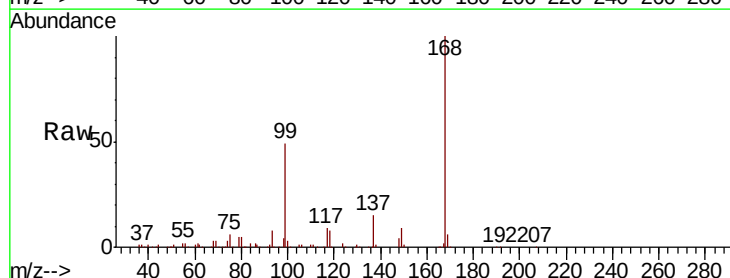
Instrument :
 MSVOA_D
 ClientSampled :

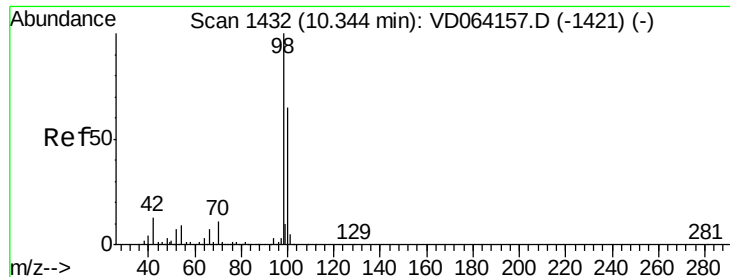
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.166 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064363.D
 Acq: 25 Nov 2019 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.2	115.8#
121	0.0	25.5	38.3#

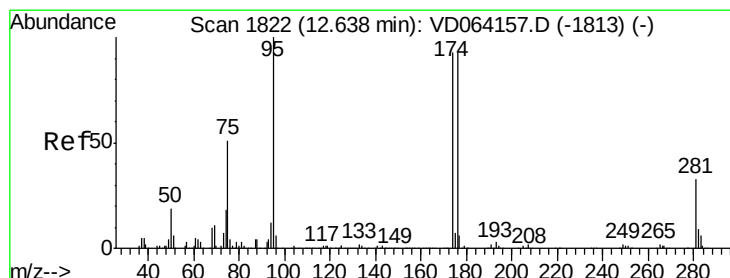
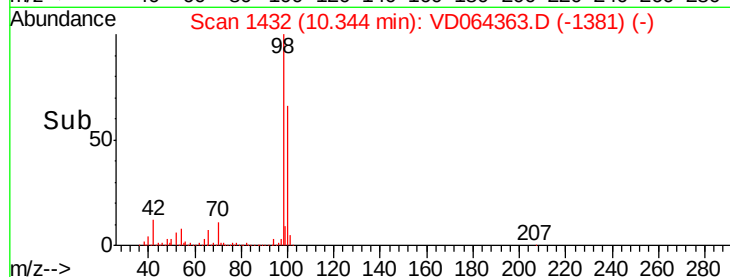
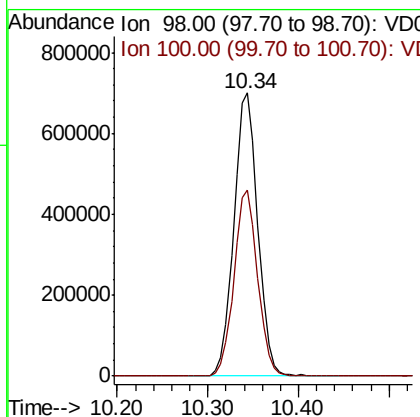
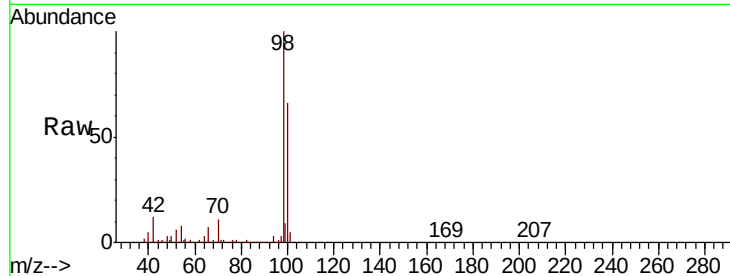




#50
Toluene-d8
Concen: 54.397 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

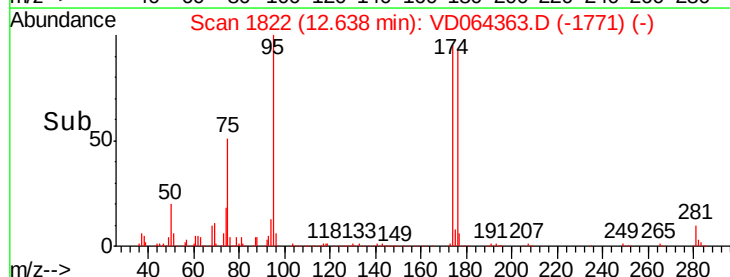
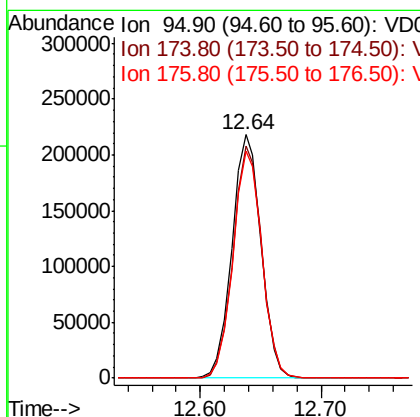
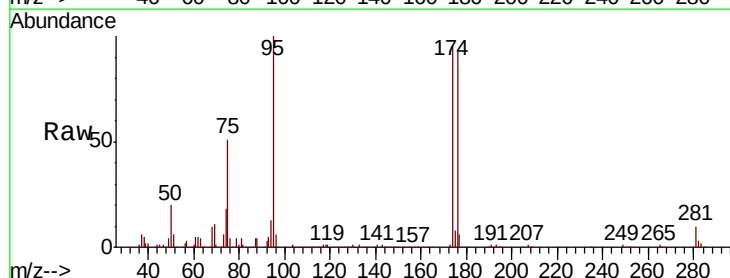
Instrument :
MSVOA_D
ClientSampleId :

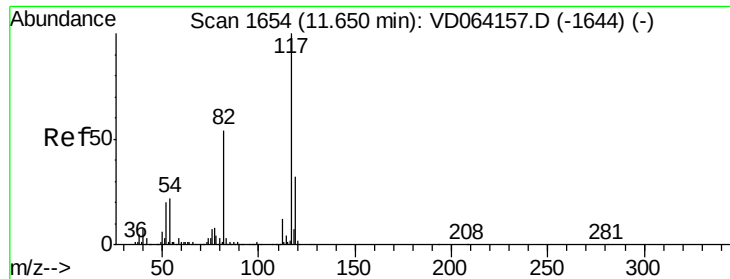
Tot Ion: 98 Resp: 1288371
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 44.494 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Tgt Ion: 95 Resp: 364949
Ion Ratio Lower Upper
95 100
174 94.1 0.0 183.6
176 92.6 0.0 180.2

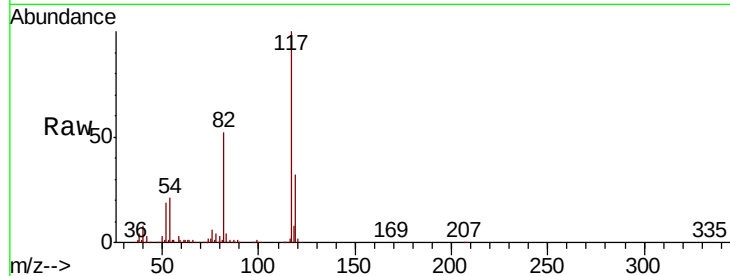




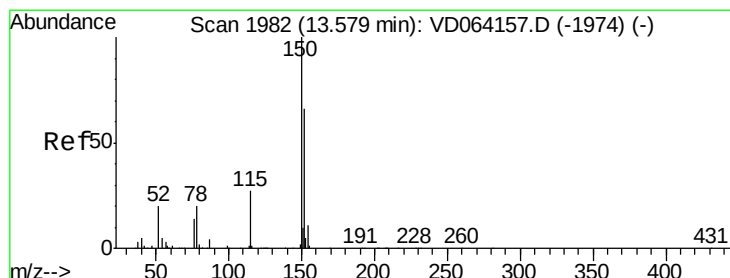
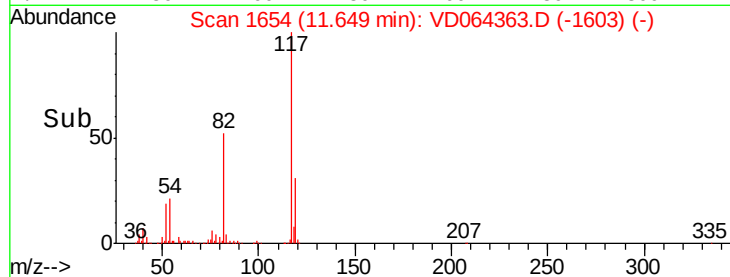
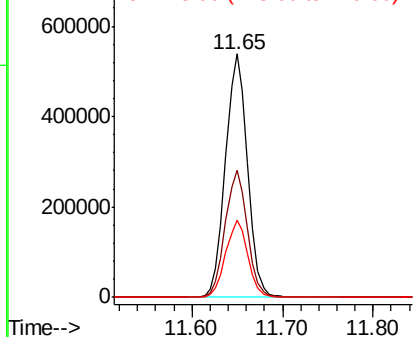
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.8	64.2
119	31.6	25.6	38.4

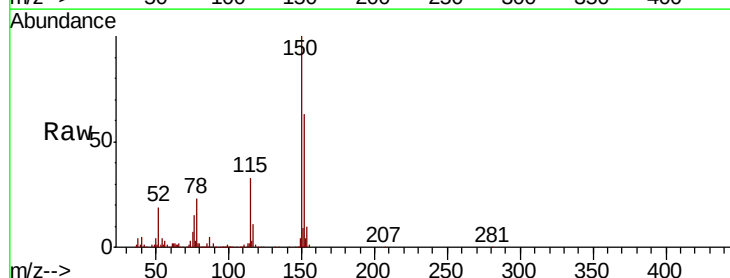


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

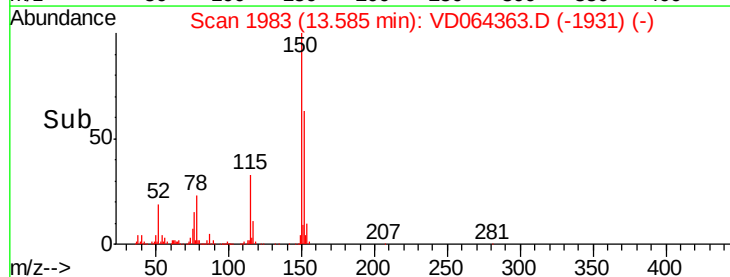
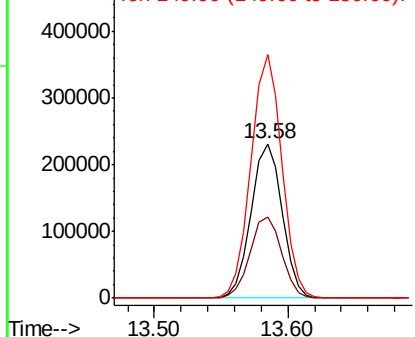


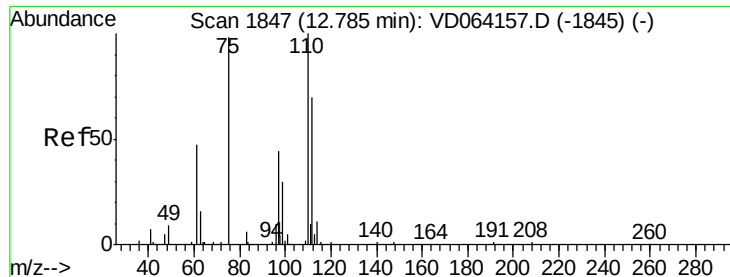
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064363.D
Acq: 25 Nov 2019 16:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.4	82.2
150	156.6	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: 62.428 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064363.D

Acq: 25 Nov 2019 16:30

Instrument :

MSVOA_D

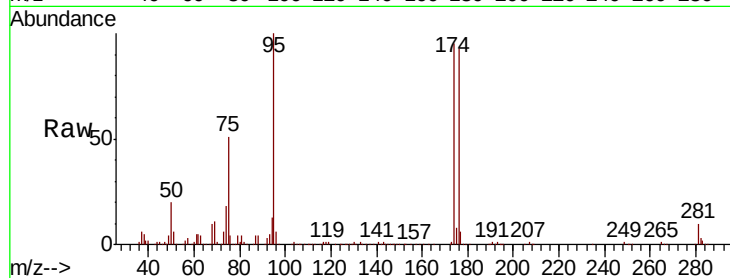
ClientSampleId :

Tot Ion: 75 Resp: 186849

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

120000

100000

80000

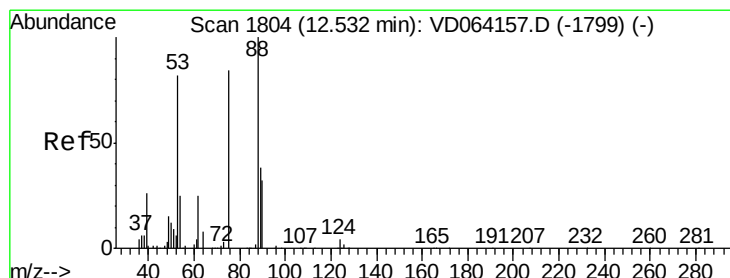
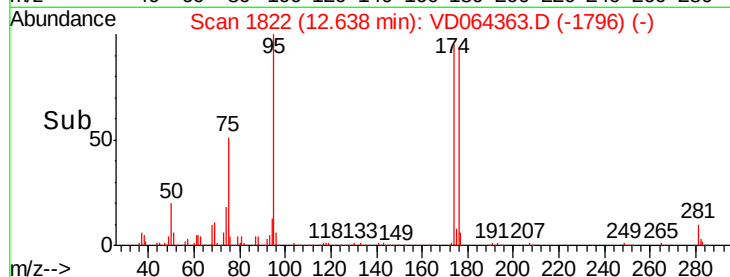
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 124.007 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064363.D

Acq: 25 Nov 2019 16:30

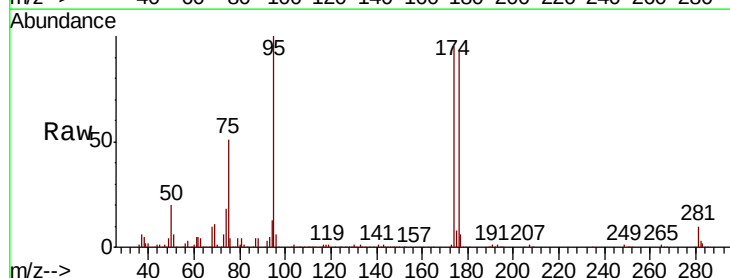
Tgt Ion: 75 Resp: 186849

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 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

150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70

