

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063984.D
 Acq On : 16 Oct 2019 13:42
 Operator : VA/SY
 Sample : K5293-01
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 14:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	189218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	347775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	337425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154663	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	101056	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	7.92	113	105026	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.34	98	454969	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.64	95	134288	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

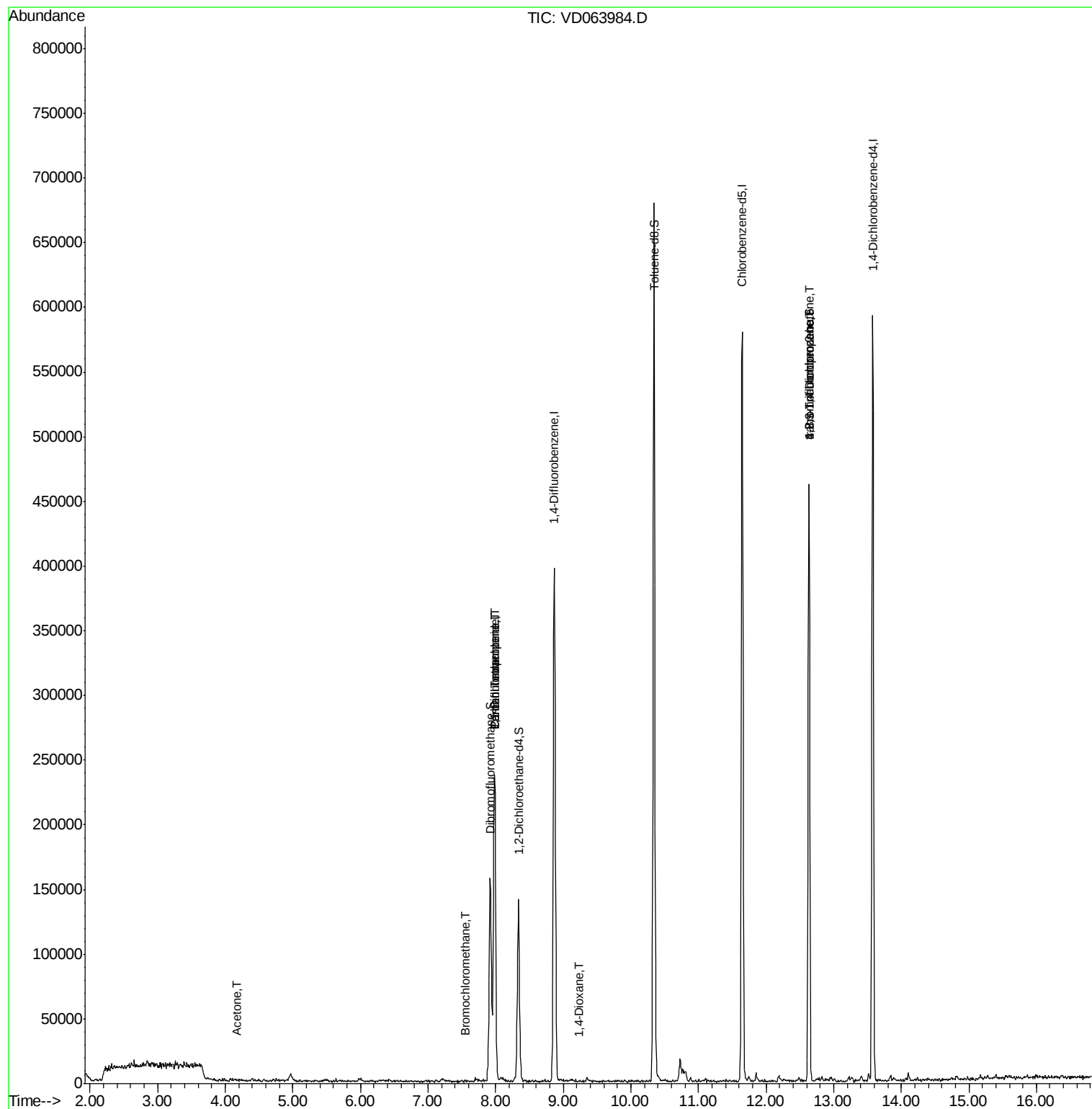
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1181	Below Cal	#	80
11) Tert butyl alcohol	5.24	59	78	Below Cal	#	71
16) Acetone	4.17	43	512	1.068	ug/l #	42
20) Methylene Chloride	4.97	84	3245	Below Cal	#	75
28) Bromochloromethane	7.54	49	188	2.008	ug/l #	10
31) Cyclohexane	8.00	56	4711	Below Cal	#	52
36) 1,1-Dichloropropene	7.99	75	14778	4.647	ug/l #	50
37) Ethyl Acetate	7.28	43	67	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	18367	5.716	ug/l #	18
49) 1,4-Dioxane	9.24	88	61	3.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	72646	70.129	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	72646	124.100	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	131	Below Cal	#	1

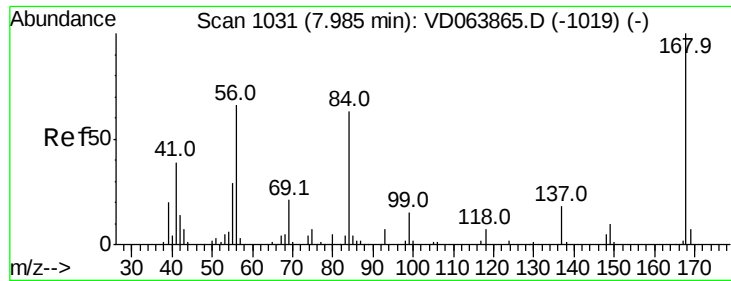
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101619\
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MSVOA_D
ClientSampleId :

Quant Time: Oct 16 14:02:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 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: VD063984.D

Acq: 16 Oct 2019 13:42

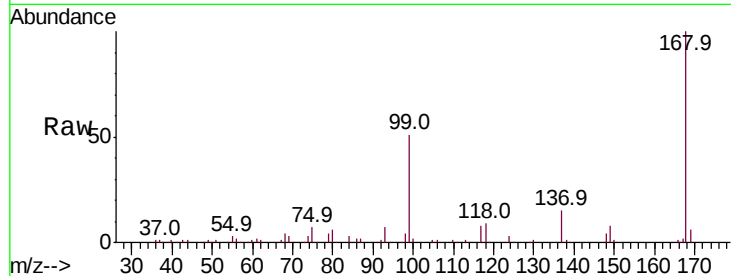
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 189218

Ion Ratio Lower Upper

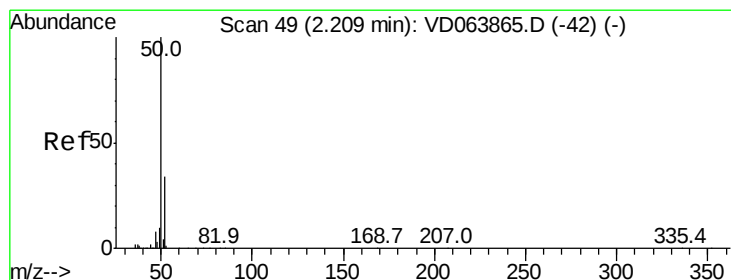
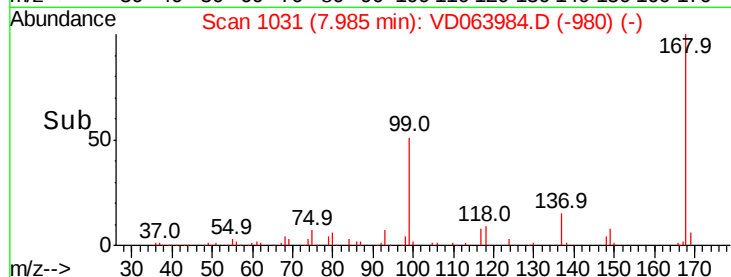
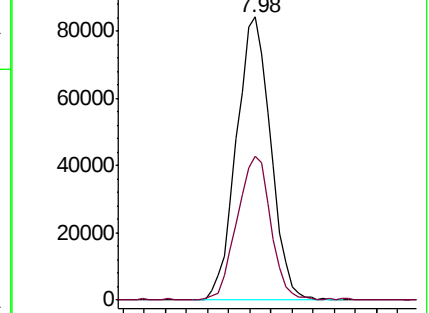
168 100

99 50.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063984.D

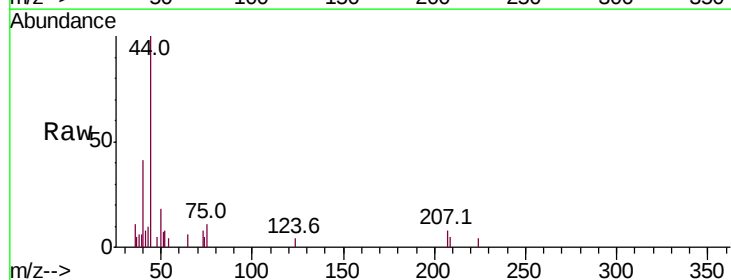
Acq: 16 Oct 2019 13:42

Tgt Ion: 50 Resp: 1181

Ion Ratio Lower Upper

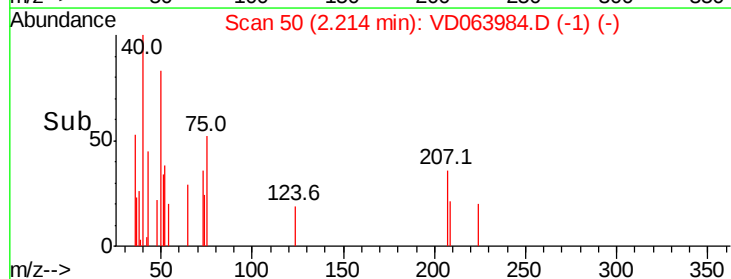
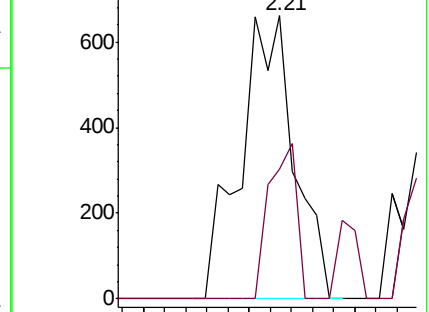
50 100

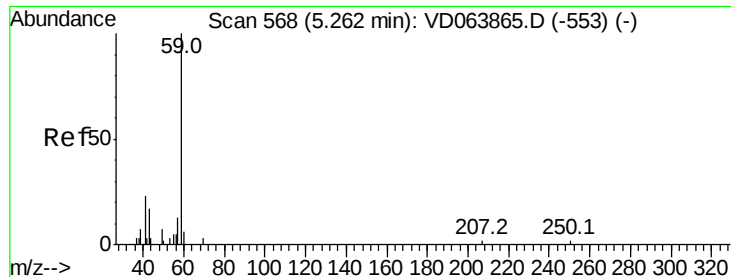
52 46.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



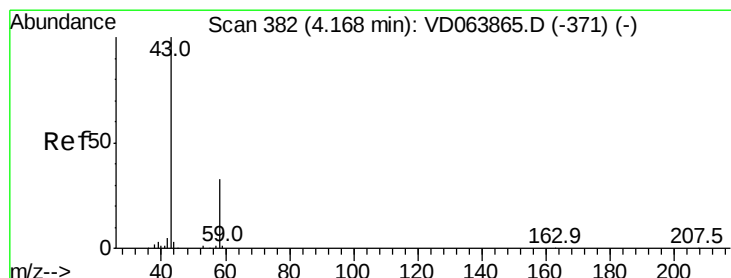
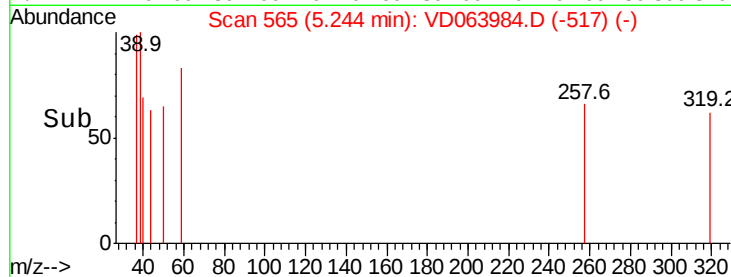
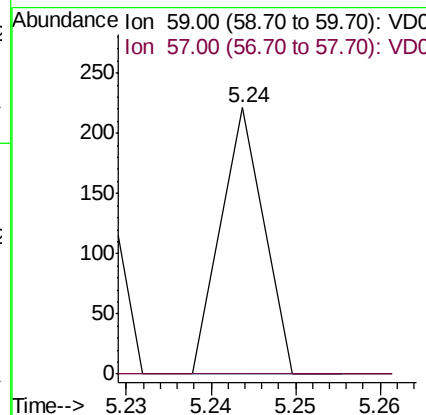
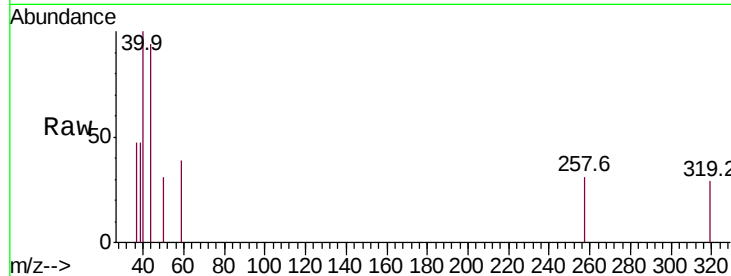


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063984.D
 Acq: 16 Oct 2019 13:42

Instrument :
 MSVOA_D
 ClientSampled :

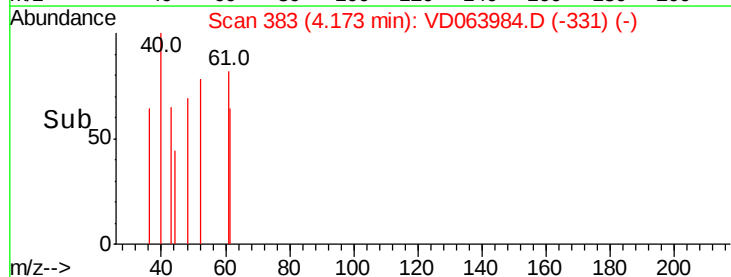
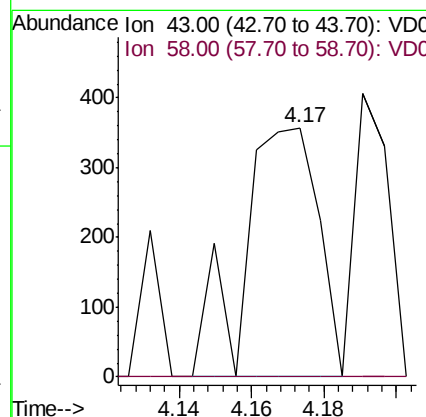
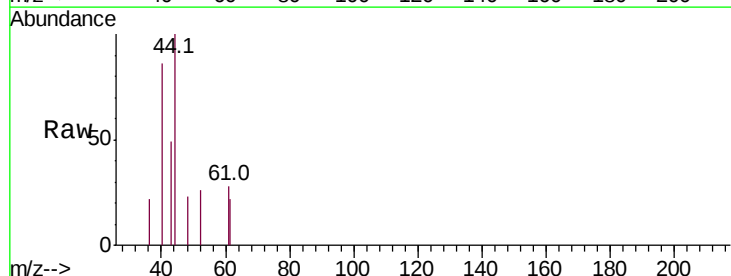
Tot Ion: 59 Resp: 78
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

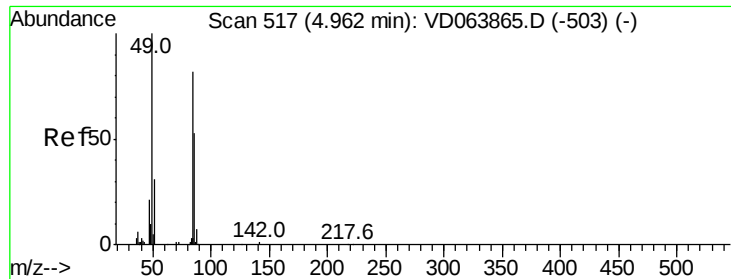


#16

Acetone
 Concen: 1.068 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063984.D
 Acq: 16 Oct 2019 13:42

Tgt Ion: 43 Resp: 512
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#

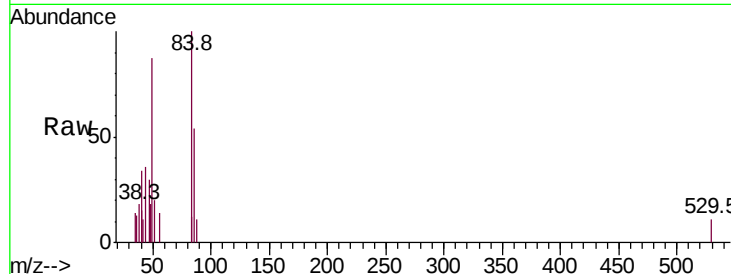




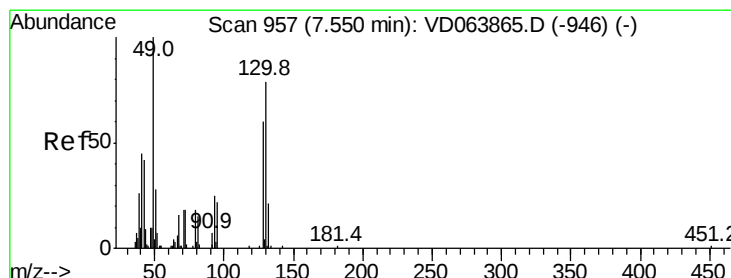
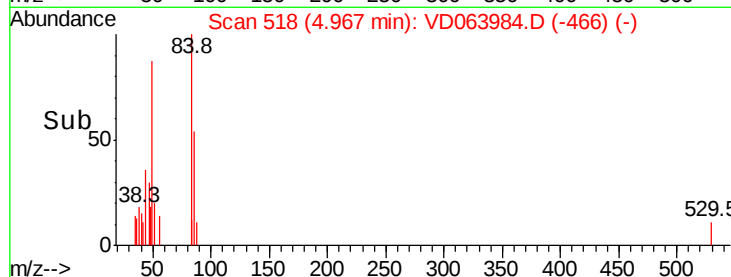
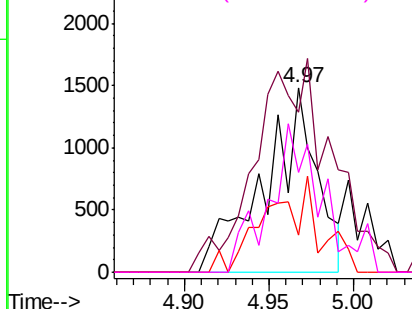
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063984.D
Acq: 16 Oct 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 3245
Ion Ratio Lower Upper
84 100
49 87.0 97.3 145.9#
51 20.1 30.1 45.1#
86 54.3 51.4 77.2

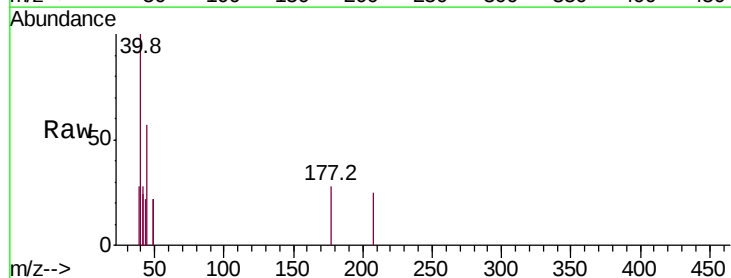


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

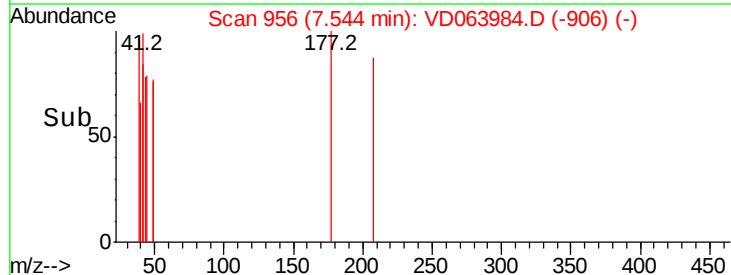
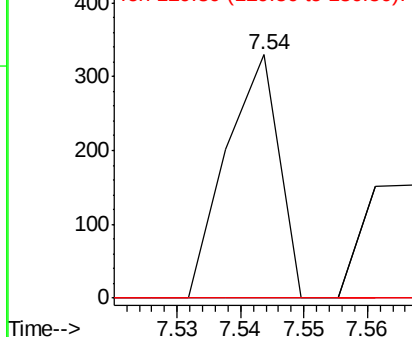


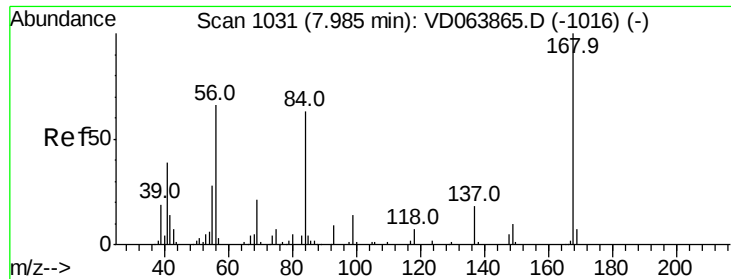
#28
Bromochloromethane
Concen: 2.008 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD063984.D
Acq: 16 Oct 2019 13:42

Tgt Ion: 49 Resp: 188
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

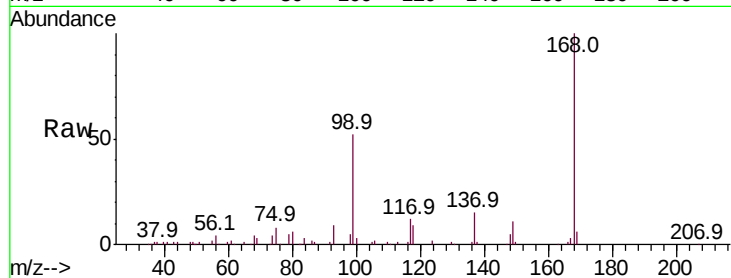




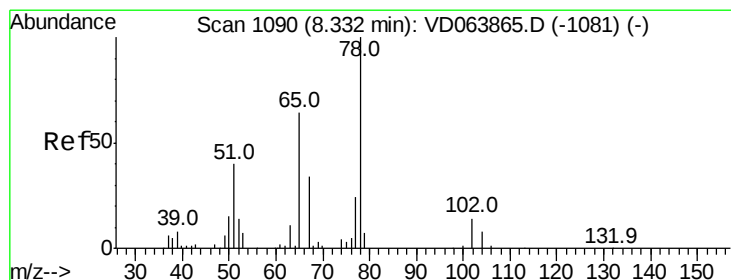
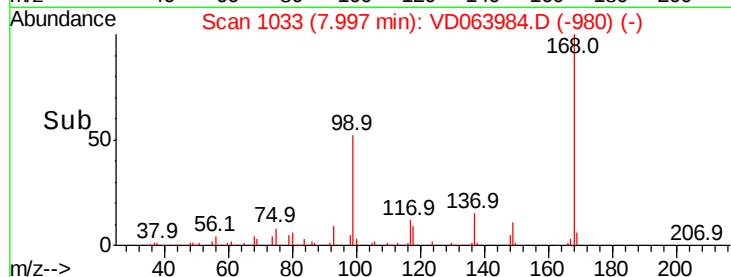
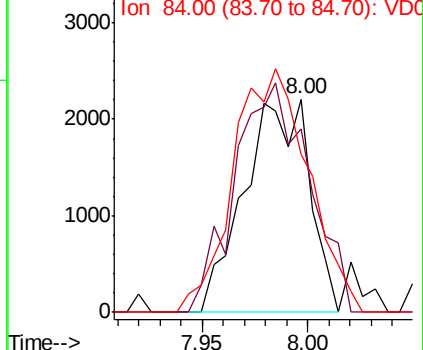
#31
Cyclohexane
Concen: Below Cal
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD063984.D
Acq: 16 Oct 2019 13:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4711
Ion Ratio Lower Upper
56 100
69 85.9 25.0 37.4#
84 65.0 76.3 114.5#

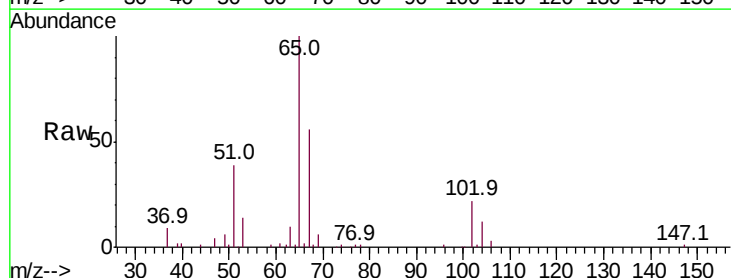


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

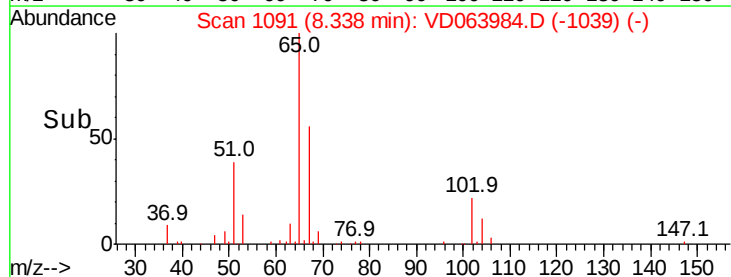
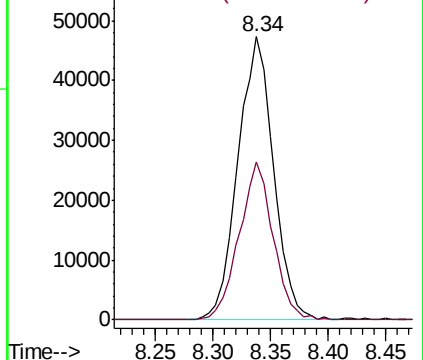


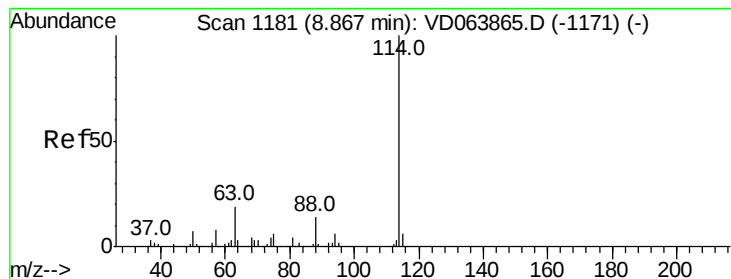
#33
1,2-Dichloroethane-d4
Concen: 54.857 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063984.D
Acq: 16 Oct 2019 13:42

Tgt Ion: 65 Resp: 101056
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.4



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: VD063984.D

Acq: 16 Oct 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

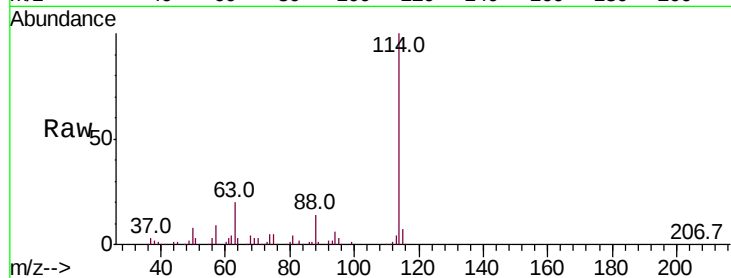
Tot Ion:114 Resp: 347775

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

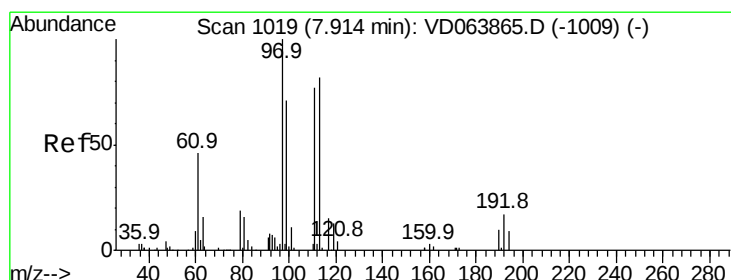
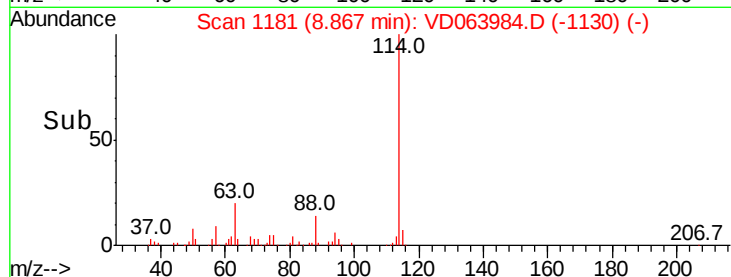
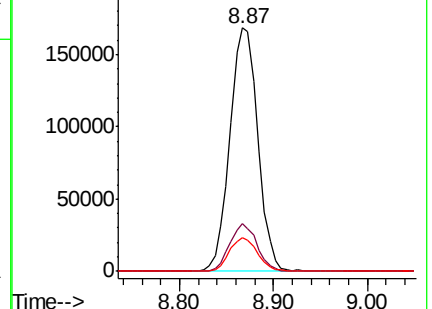
88 13.9 0.0 27.4



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: 49.416 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

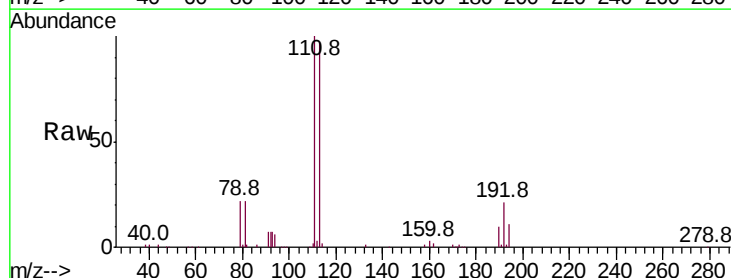
Tgt Ion:113 Resp: 105026

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

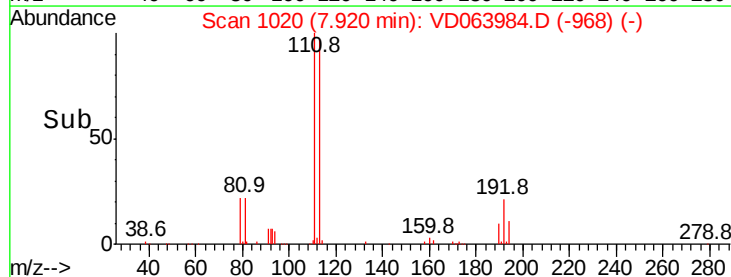
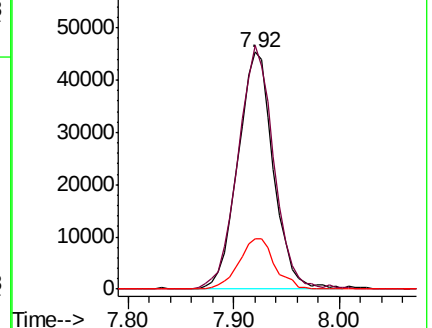
192 21.4 17.1 25.7

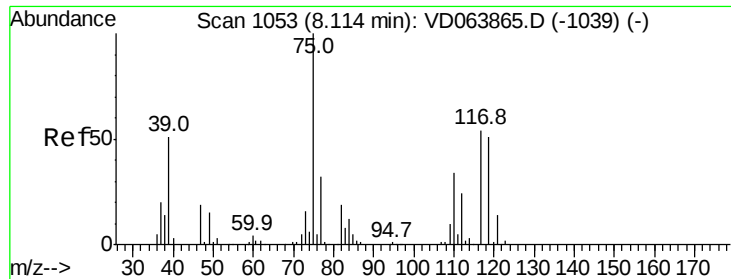


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

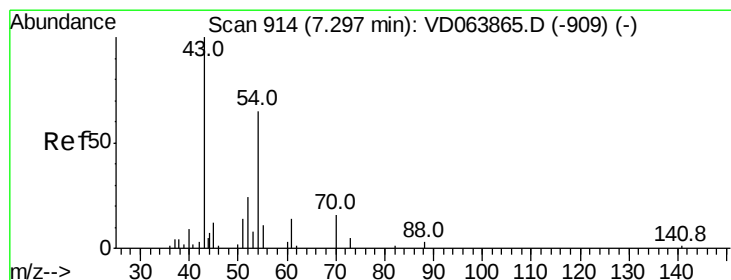
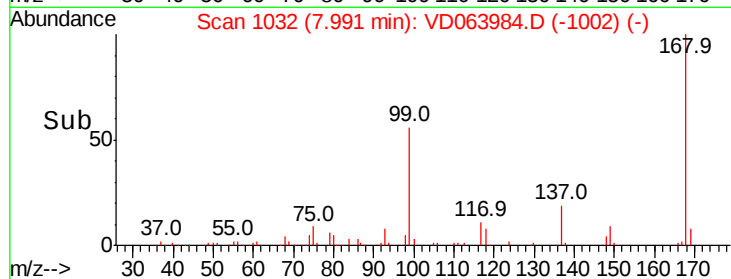
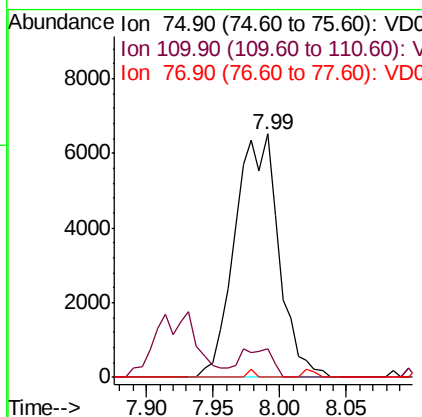
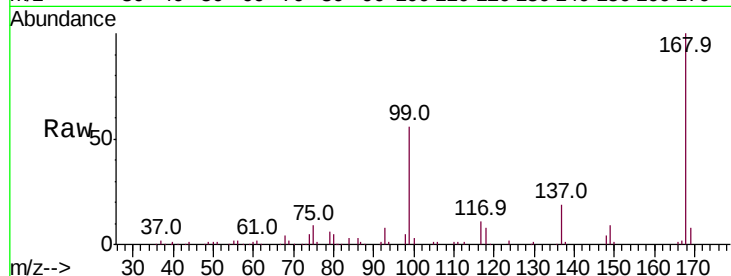




#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD063984.D
 Acq: 16 Oct 2019 13:42

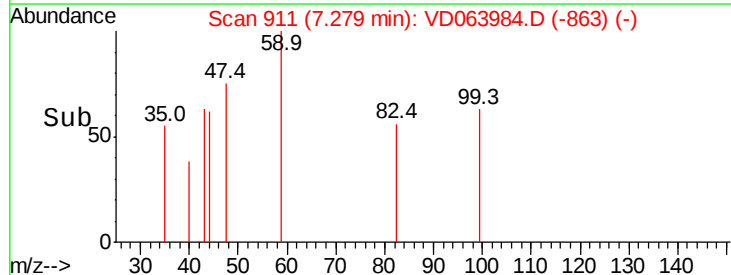
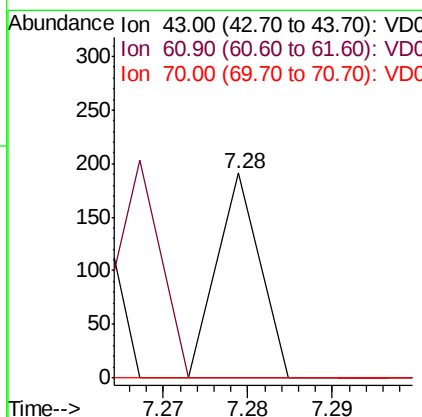
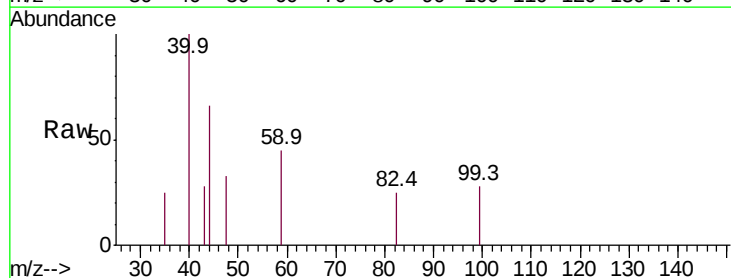
Instrument :
 MSVOA_D
 ClientSampled :

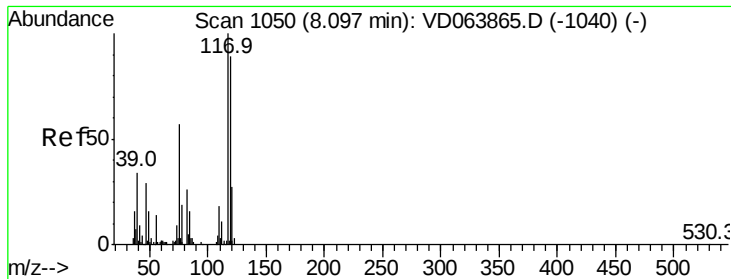
Tot Ion: 75 Resp: 14778
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.4 52.3#
 77 0.5 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.28 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VD063984.D
 Acq: 16 Oct 2019 13:42

Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

Instrument :

MSVOA_D

ClientSampled :

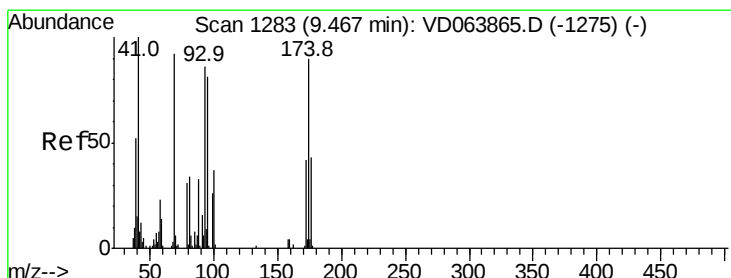
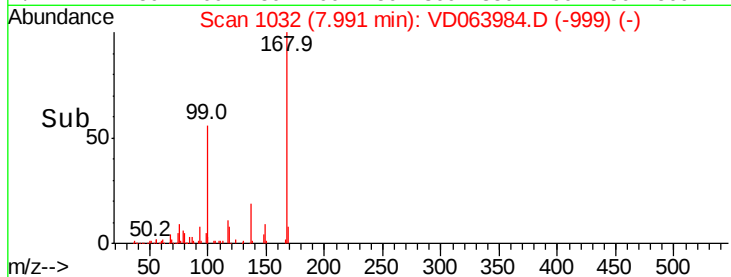
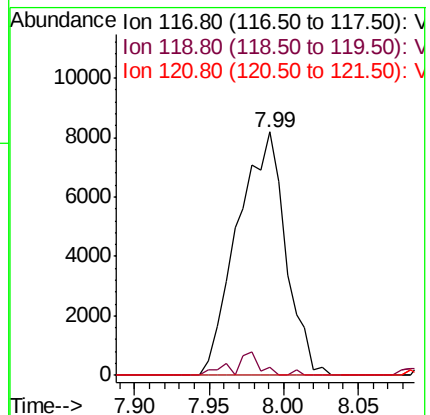
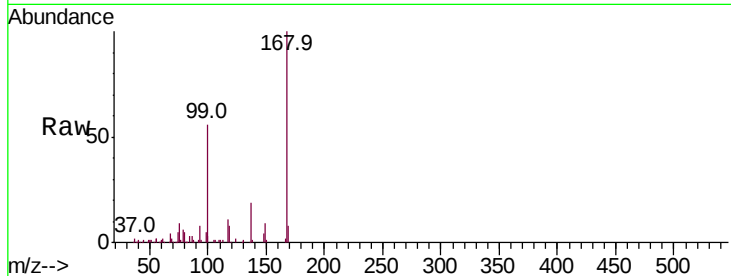
Tot Ion:117 Resp: 18367

Ion Ratio Lower Upper

117 100

119 3.3 70.8 106.2#

121 0.0 21.4 32.0#



#49

1,4-Dioxane

Concen: 3.518 ug/l

RT: 9.24 min Scan# 1244

Delta R.T. -0.23 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

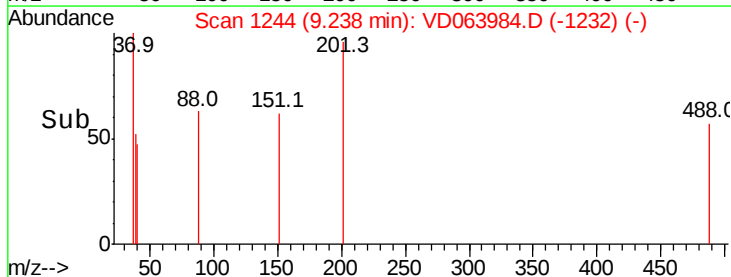
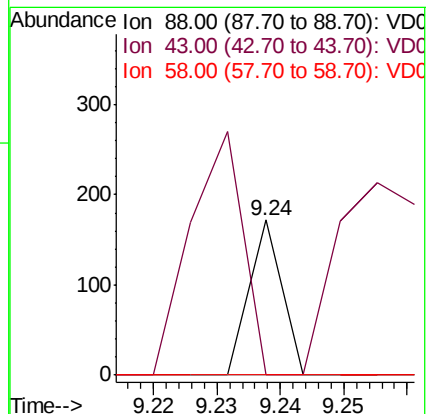
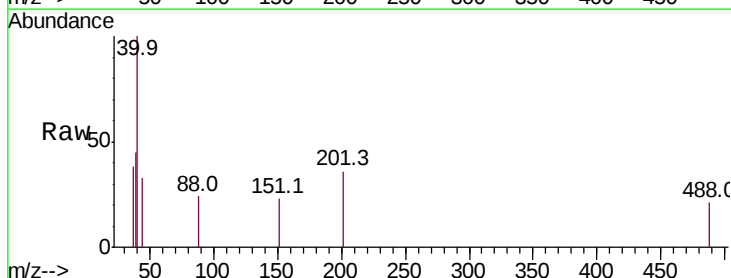
Tgt Ion: 88 Resp: 61

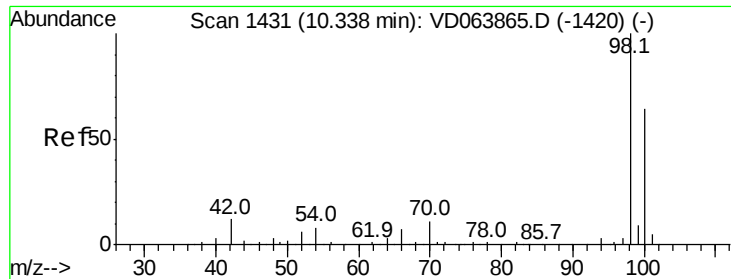
Ion Ratio Lower Upper

88 100

43 254.1 27.6 41.4#

58 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 52.741 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

Instrument :

MSVOA_D

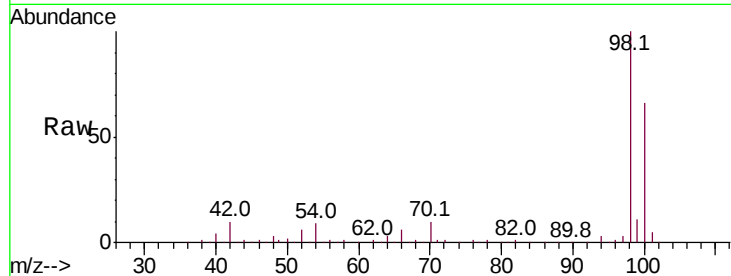
ClientSampled :

Tot Ion: 98 Resp: 454969

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

250000

200000

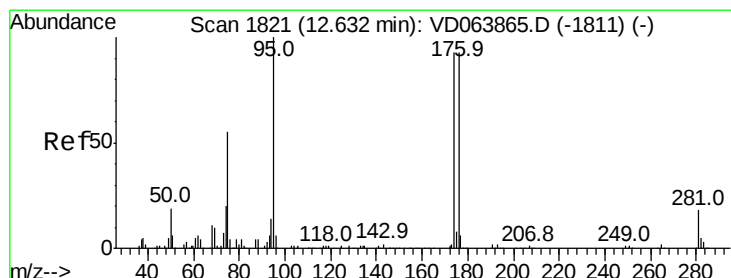
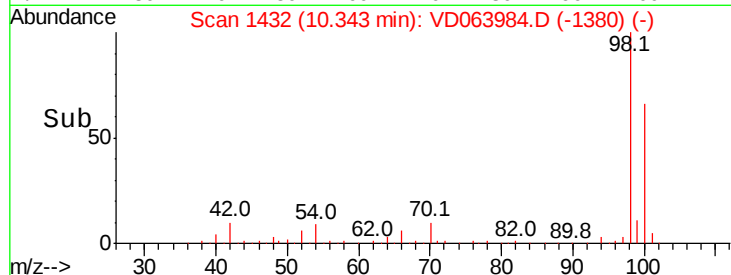
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

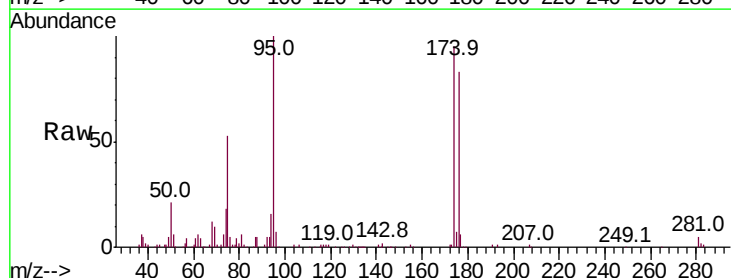
Tgt Ion: 95 Resp: 134288

Ion Ratio Lower Upper

95 100

174 93.0 0.0 186.4

176 88.8 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

100000

80000

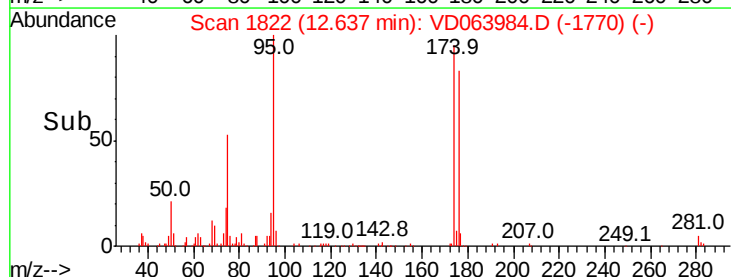
60000

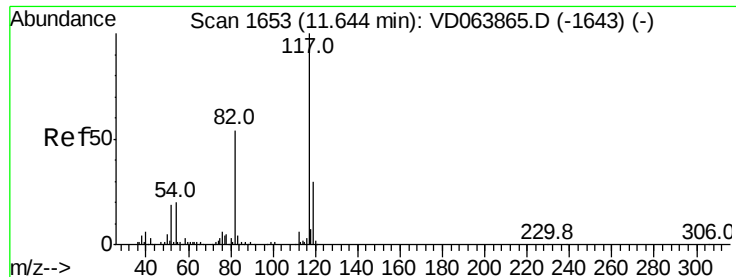
40000

20000

0

Time-->

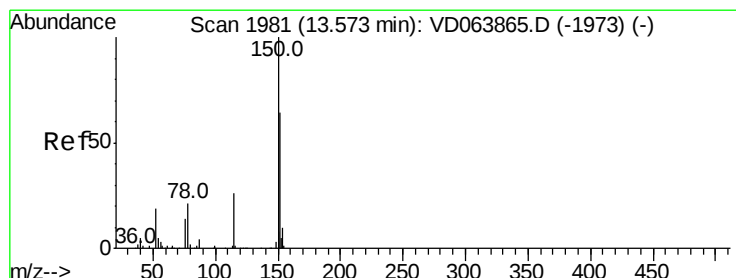
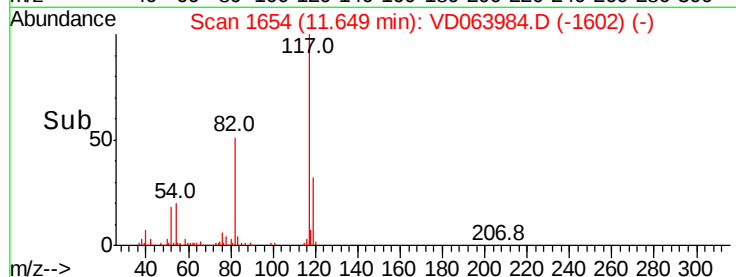
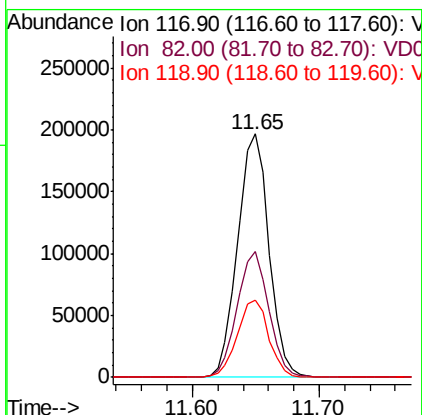
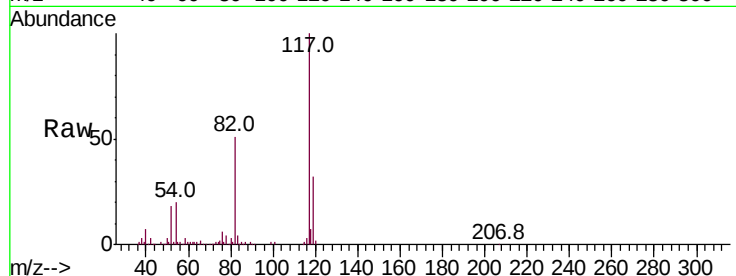




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063984.D
Acq: 16 Oct 2019 13:42

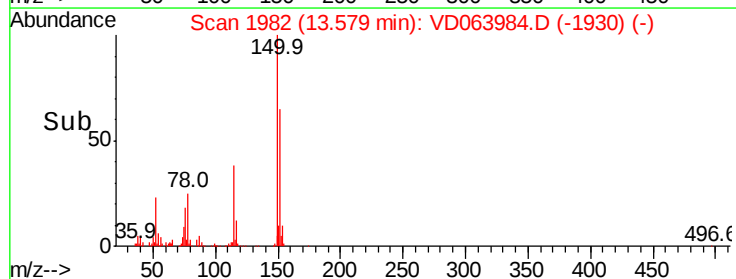
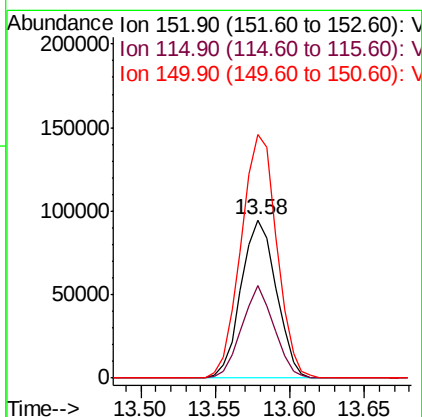
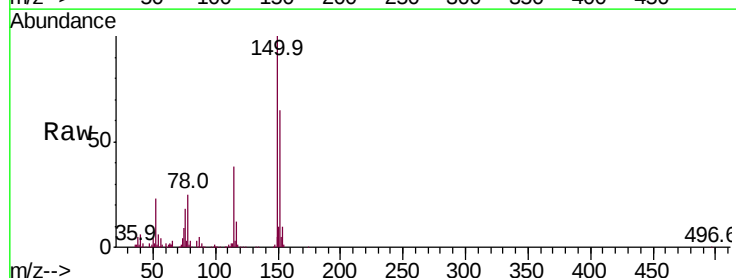
Instrument :
MSVOA_D
ClientSampled :

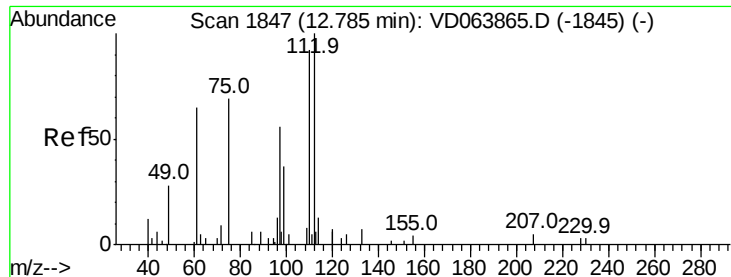
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.8	64.2
119	31.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063984.D
Acq: 16 Oct 2019 13:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.9	77.7
150	156.4	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 70.129 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

Instrument :

MSVOA_D

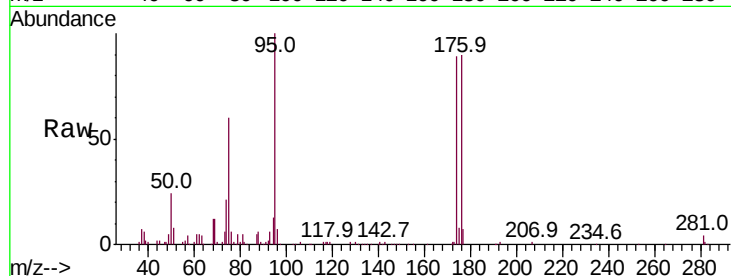
ClientSampled :

Tot Ion: 75 Resp: 72646

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

50000

40000

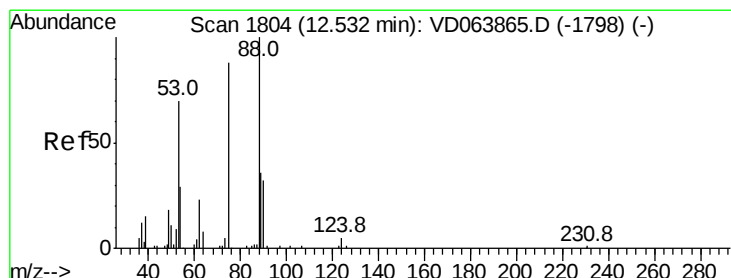
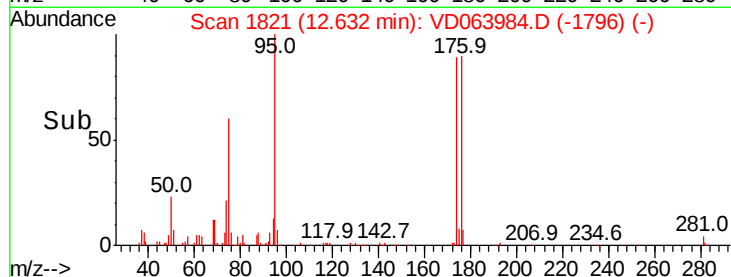
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 124.100 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

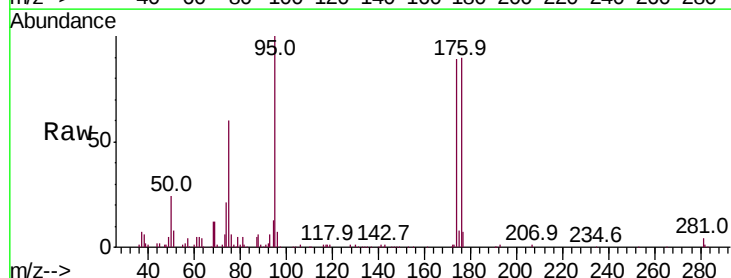
Tgt Ion: 75 Resp: 72646

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.2 38.2 57.4#



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

12.63

60000

50000

40000

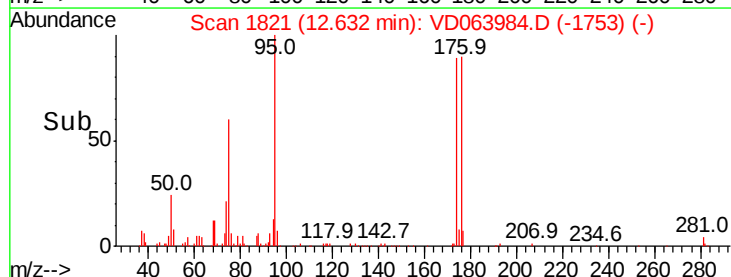
30000

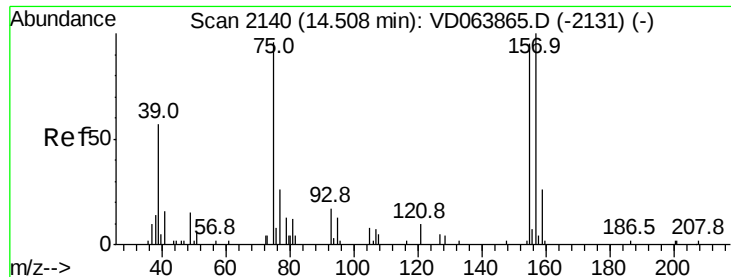
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD063984.D

Acq: 16 Oct 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

