

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063275.D
 Acq On : 31 Jul 2019 13:32
 Operator : VA/AP
 Sample : K4066-11
 Misc : 5.22g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 04:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1044880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1409809	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1053677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	419504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	436319	37.63	ug/l	0.00
Spiked Amount			Recovery	=	75.26%	
35) Dibromofluoromethane	6.92	113	499375	41.49	ug/l	0.00
Spiked Amount			Recovery	=	82.98%	
50) Toluene-d8	10.40	98	961052	35.68	ug/l	0.00
Spiked Amount			Recovery	=	71.36%	
62) 4-Bromofluorobenzene	13.55	95	357015	29.08	ug/l	0.00
Spiked Amount			Recovery	=	58.16%	

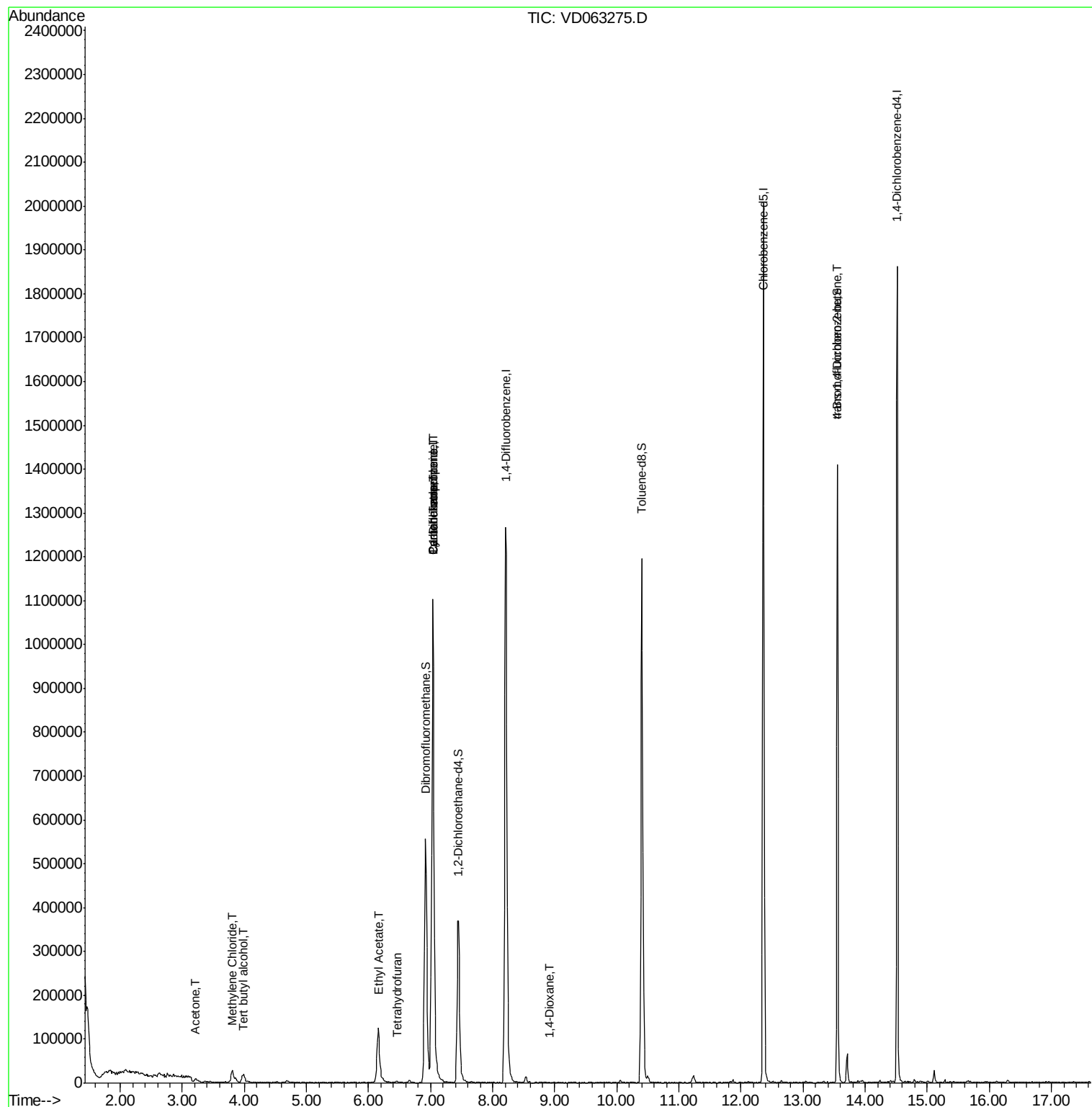
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	16501	32.431	ug/l #	69
16) Acetone	3.22	43	12925	5.722	ug/l #	69
20) Methylene Chloride	3.81	84	15640	1.713	ug/l #	90
29) Tetrahydrofuran	6.46	42	1210	1.127	ug/l #	51
31) Cyclohexane	7.05	56	20389	1.974	ug/l #	21
36) 1,1-Dichloropropene	7.04	75	80731	6.275	ug/l #	56
37) Ethyl Acetate	6.18	43	9056	1.567	ug/l #	37
38) Carbon Tetrachloride	7.04	117	99440	5.134	ug/l #	15
49) 1,4-Dioxane	8.91	88	229	1.535	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	174857	124.972	ug/l #	3

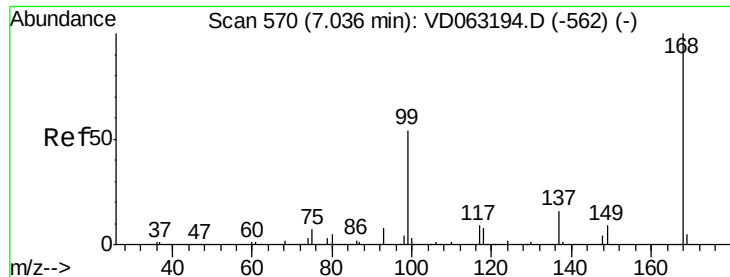
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
Data File : VD063275.D
Acq On : 31 Jul 2019 13:32
Operator : VA/AP
Sample : K4066-11
Misc : 5.22g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 01 04:02:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

Instrument :

MSVOA_D

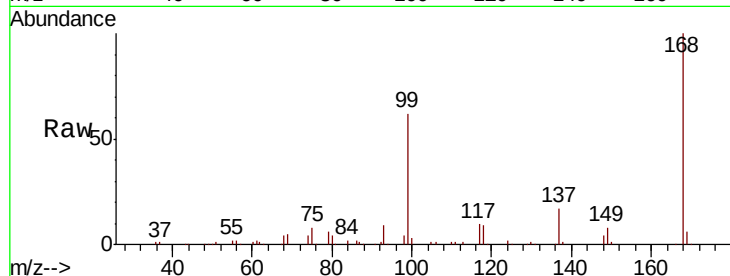
ClientSampleId :

Tot Ion:168 Resp: 1044880

Ion Ratio Lower Upper

168 100

99 61.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

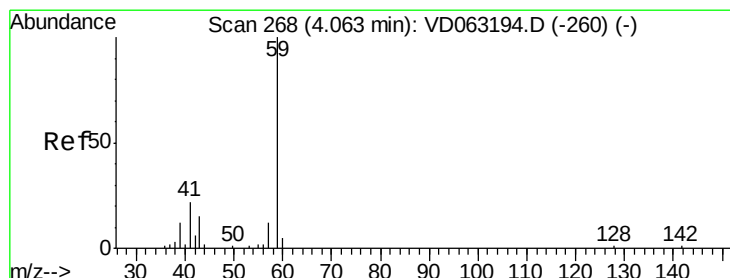
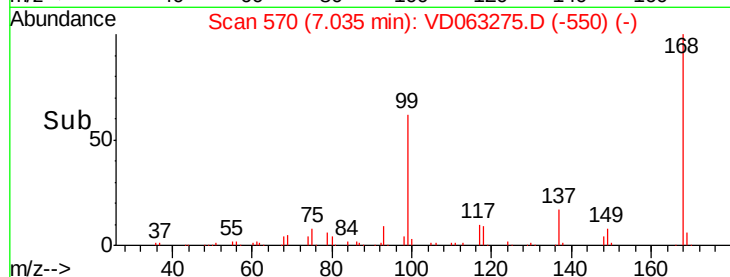
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 32.431 ug/l

RT: 3.97 min Scan# 259

Delta R.T. -0.09 min

Lab File: VD063275.D

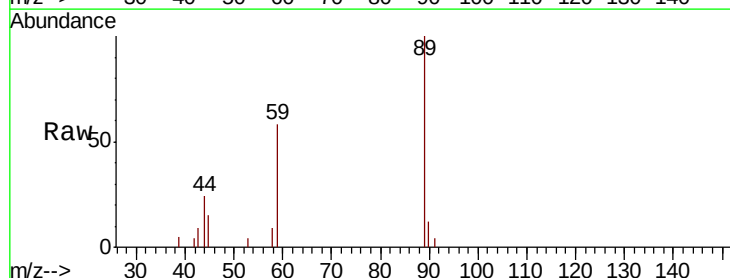
Acq: 31 Jul 2019 13:32

Tgt Ion: 59 Resp: 16501

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

5000

4000

3000

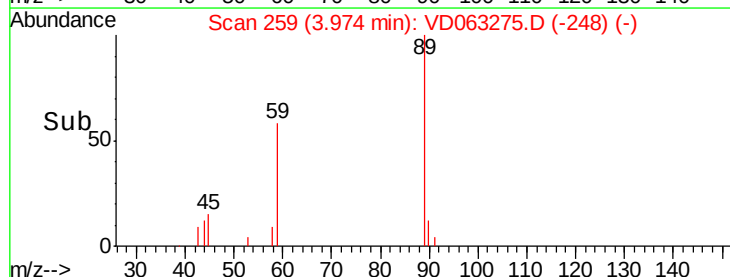
2000

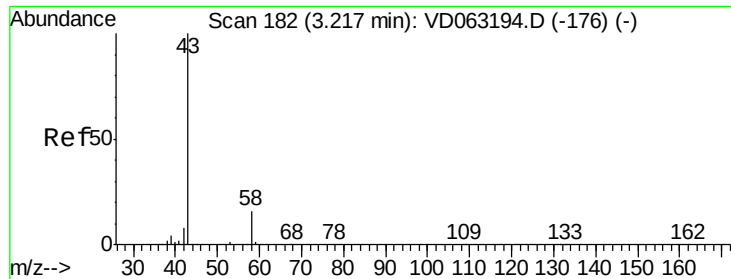
1000

0

3.90 3.95 4.00 4.05

Time-->

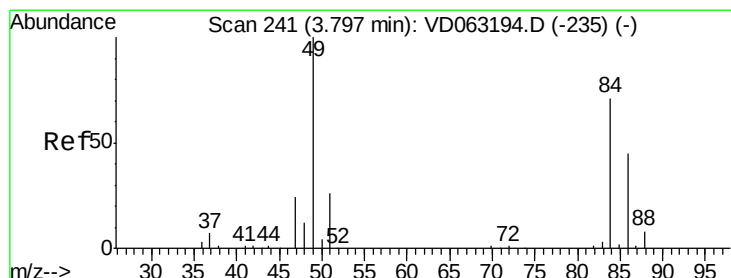
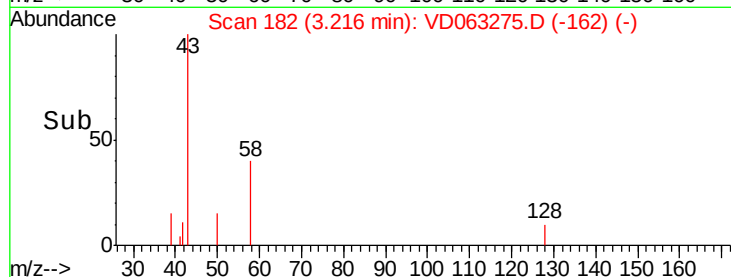
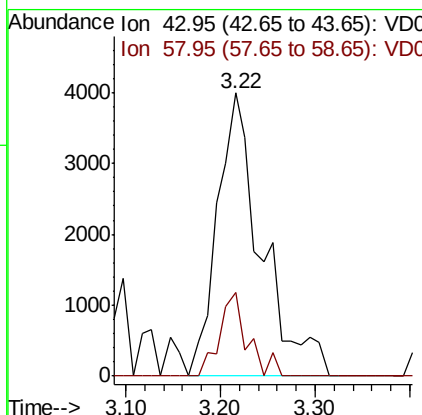
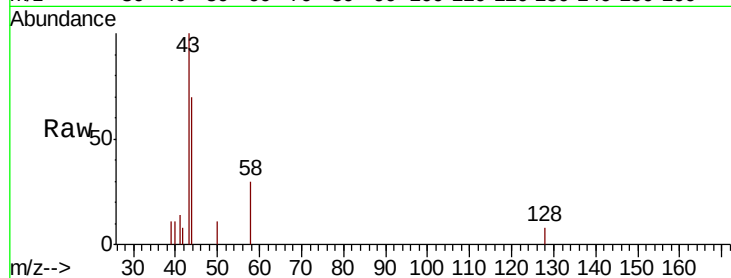




#16
Acetone
Concen: 5.722 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

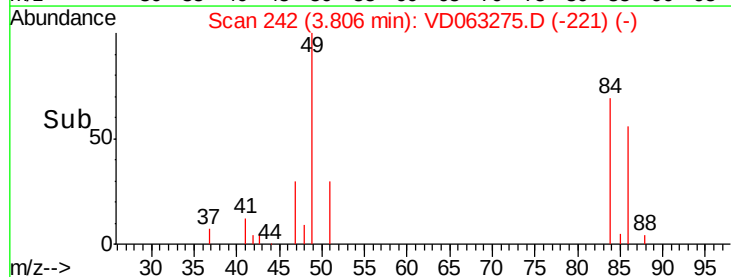
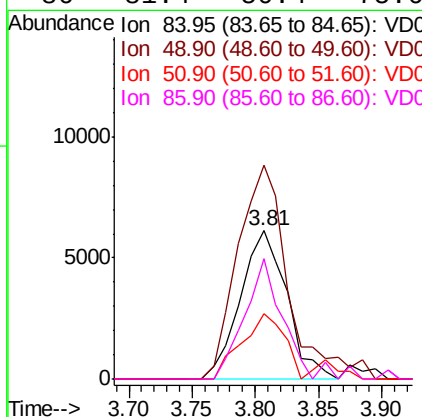
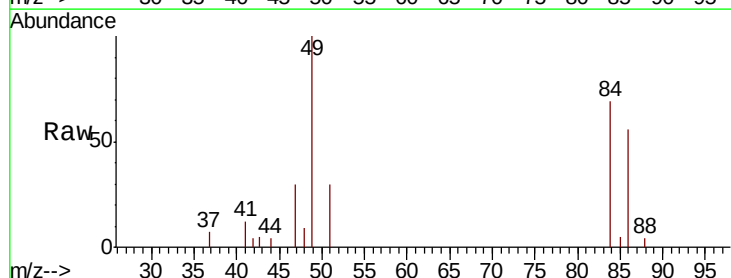
Instrument :
MSVOA_D
ClientSampleId :

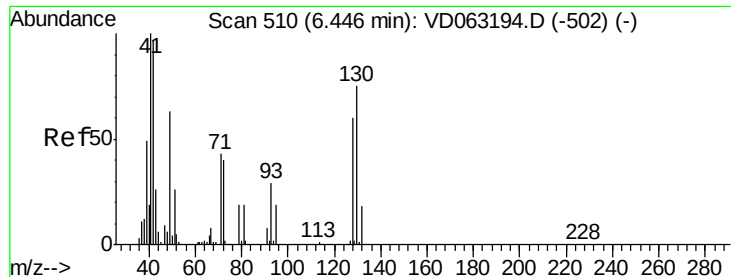
Tot Ion: 43 Resp: 12925
Ion Ratio Lower Upper
43 100
58 29.5 13.0 19.4#



#20
Methylene Chloride
Concen: 1.713 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Tgt Ion: 84 Resp: 15640
Ion Ratio Lower Upper
84 100
49 144.2 112.5 168.7
51 43.8 29.6 44.4
86 81.4 50.4 75.6#





#29

Tetrahydrofuran

Concen: 1.127 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

Instrument :

MSVOA_D

ClientSampled :

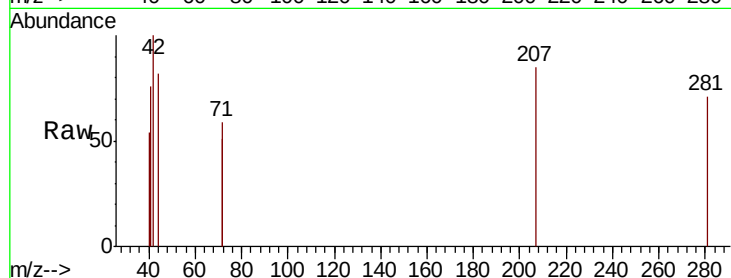
Tot Ion: 42 Resp: 1210

Ion Ratio Lower Upper

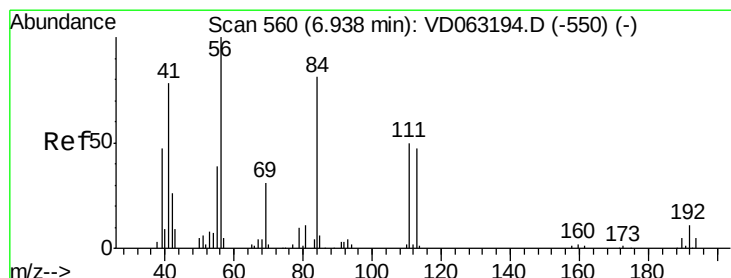
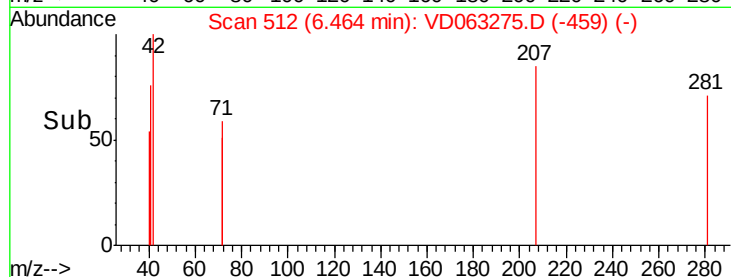
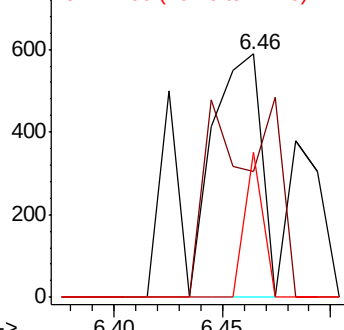
42 100

72 77.3 33.4 50.2#

71 17.1 35.7 53.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.974 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

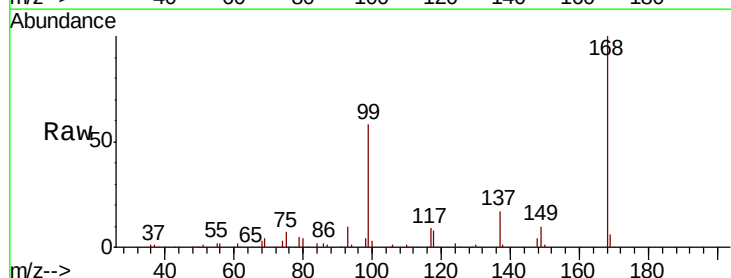
Tgt Ion: 56 Resp: 20389

Ion Ratio Lower Upper

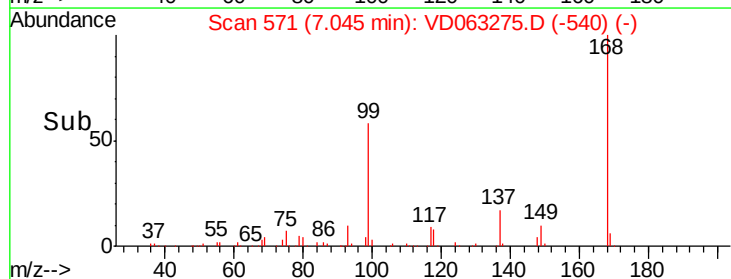
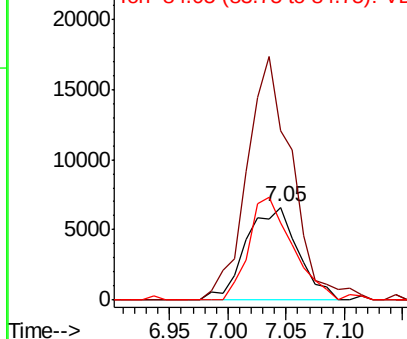
56 100

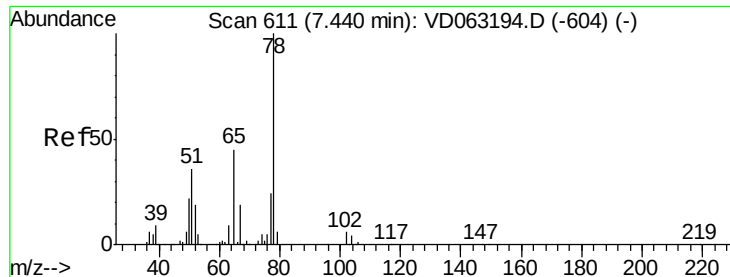
69 183.2 24.5 36.7#

84 84.0 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 37.633 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

Instrument :

MSVOA_D

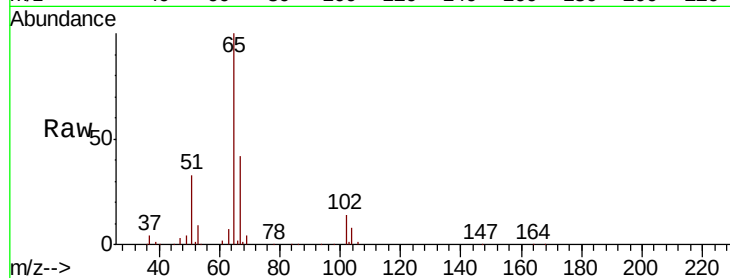
ClientSampleId :

Tot Ion: 65 Resp: 436319

Ion Ratio Lower Upper

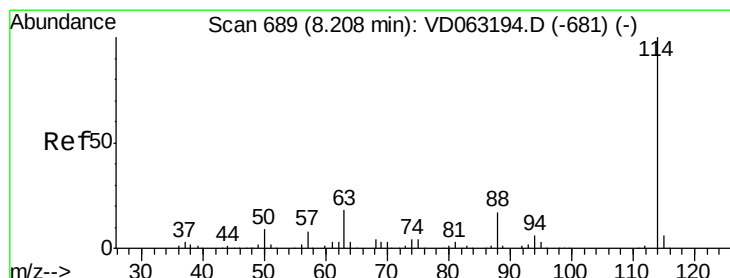
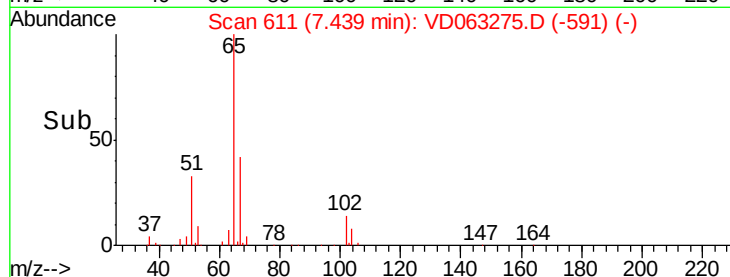
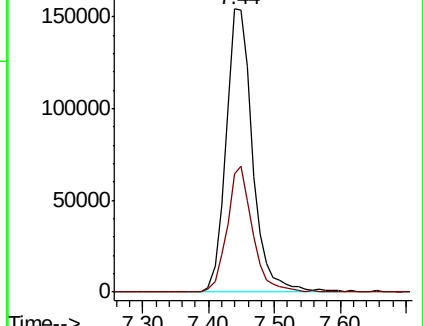
65 100

67 41.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

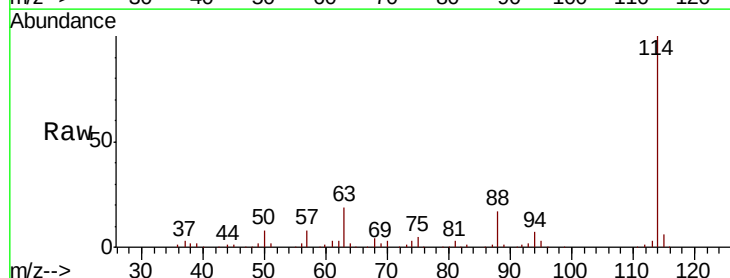
Tgt Ion:114 Resp: 1409809

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.2

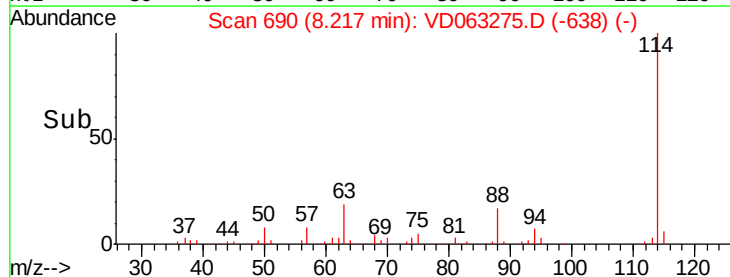
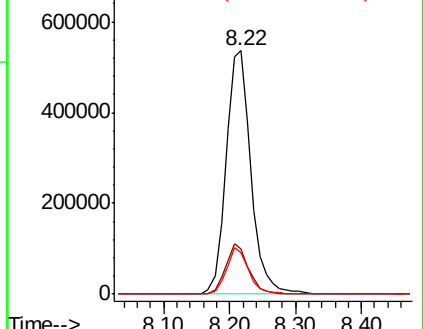
88 17.2 0.0 34.6

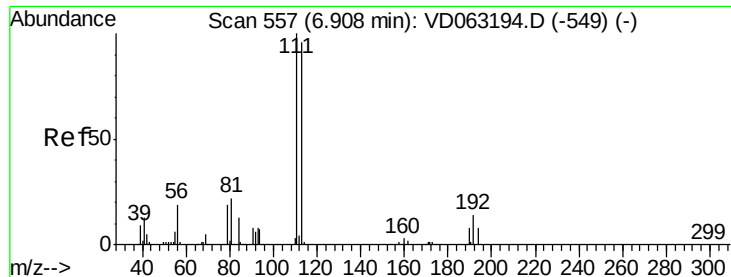


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

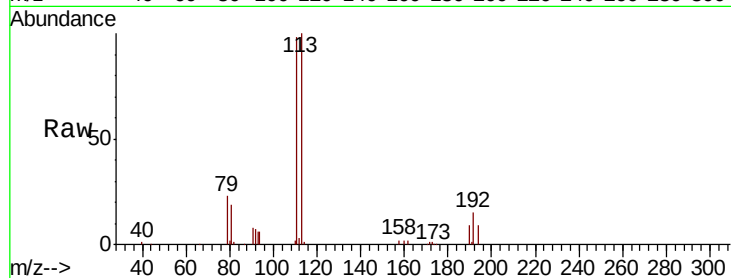




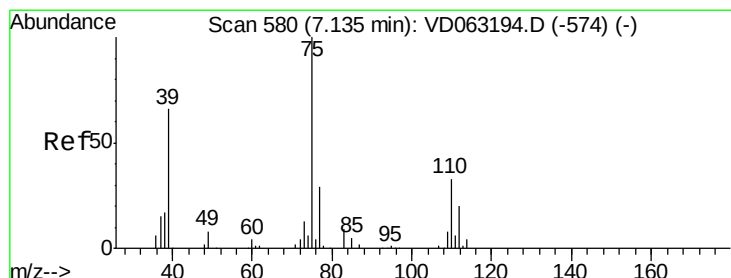
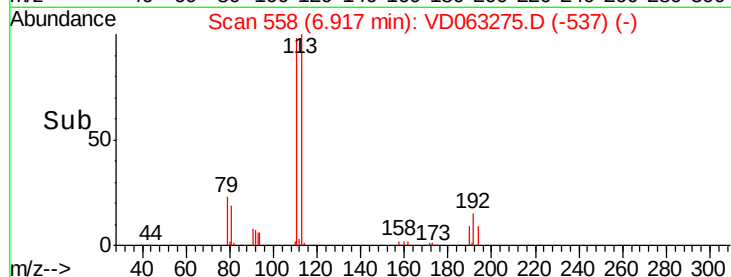
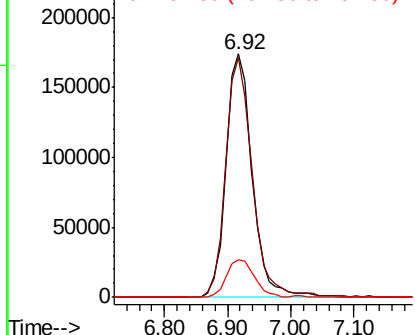
#35
Dibromofluoromethane
Concen: 41.487 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.5	83.2	124.8
192	15.4	11.8	17.8

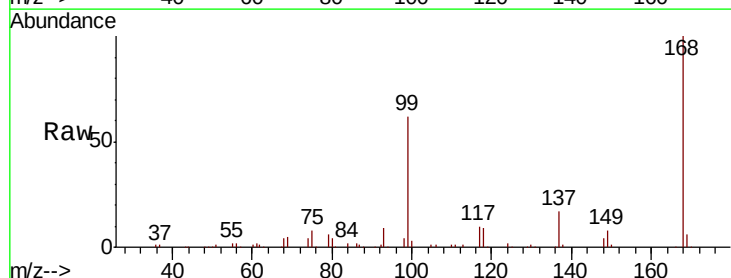


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

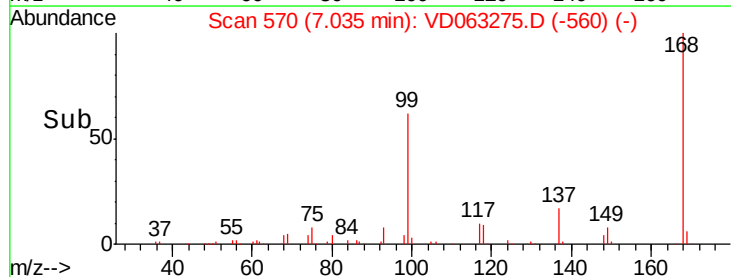
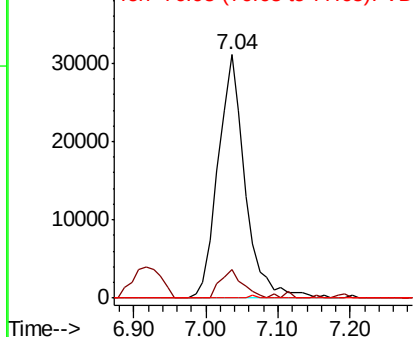


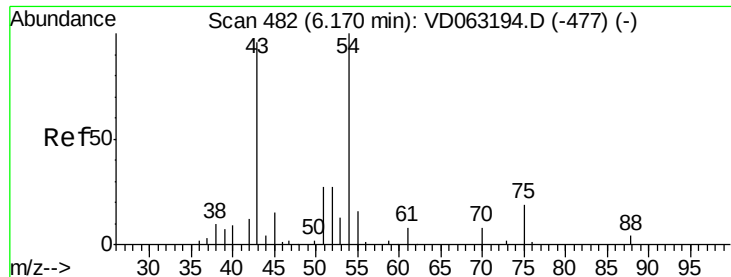
#36
1,1-Dichloropropene
Concen: 6.275 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	16.1	48.2#
77	0.0	22.7	34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

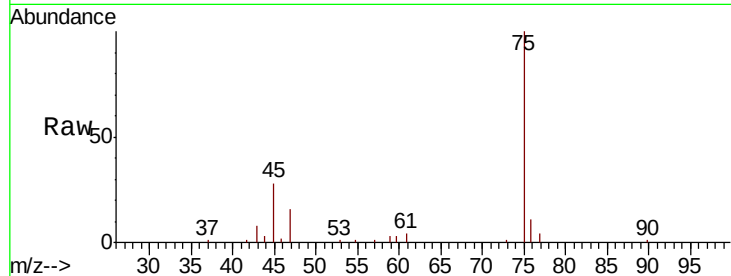




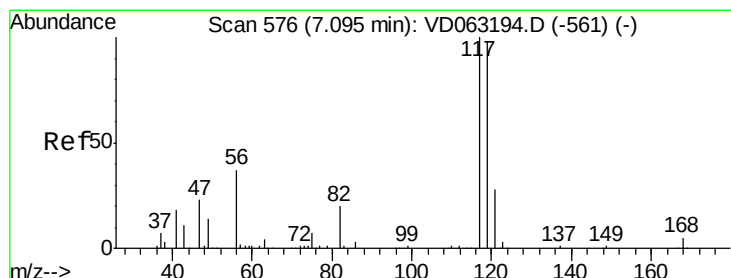
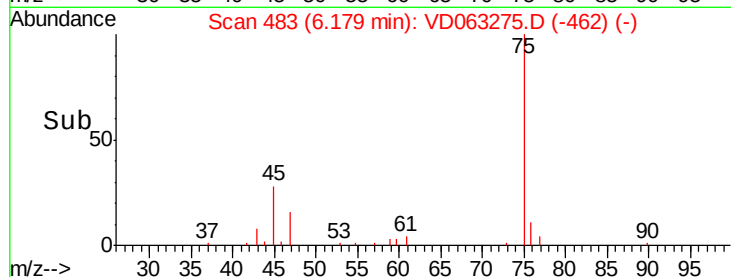
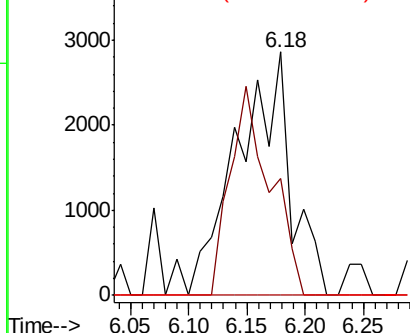
#37
Ethyl Acetate
Concen: 1.567 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 9056
Ion Ratio Lower Upper
43 100
61 48.2 11.3 16.9#
70 0.0 5.1 7.7#

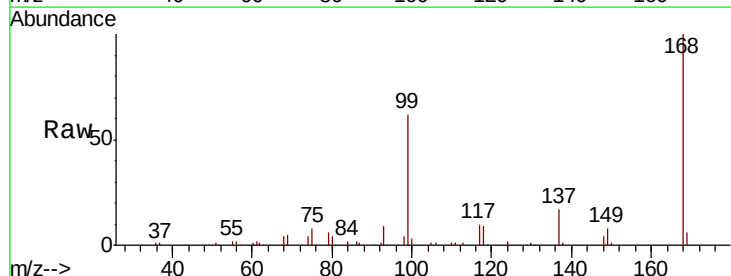


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

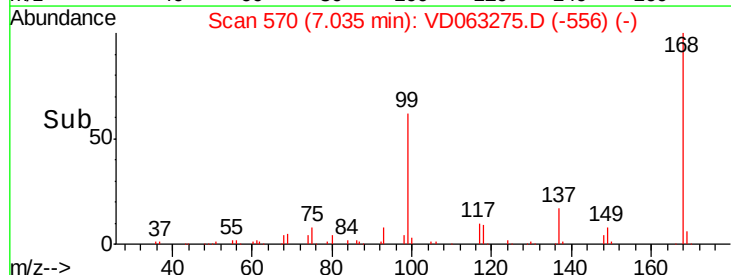
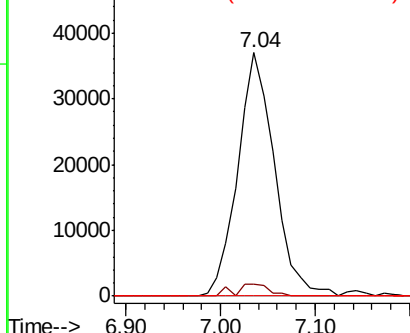


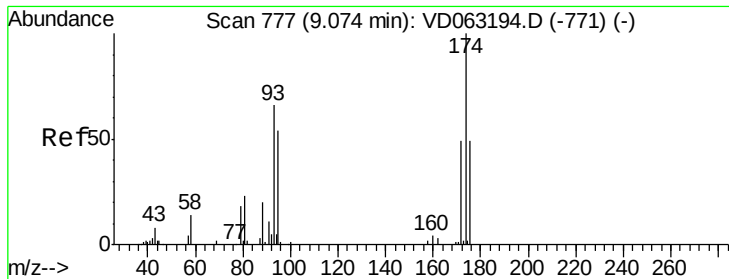
#38
Carbon Tetrachloride
Concen: 5.134 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Tgt Ion: 117 Resp: 99440
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 22.1 33.1#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

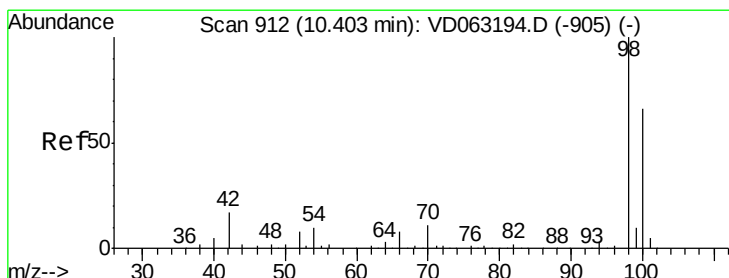
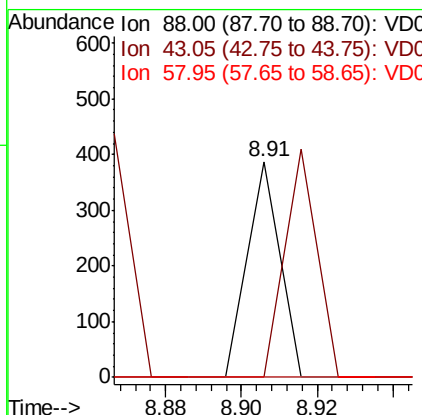
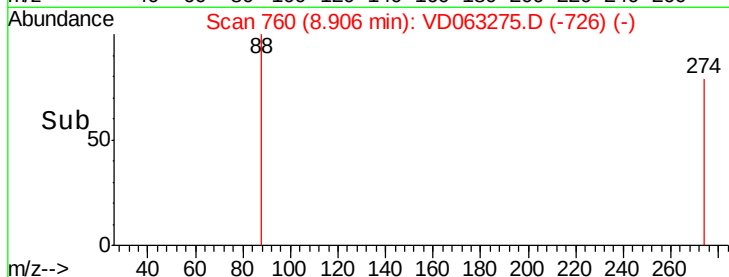
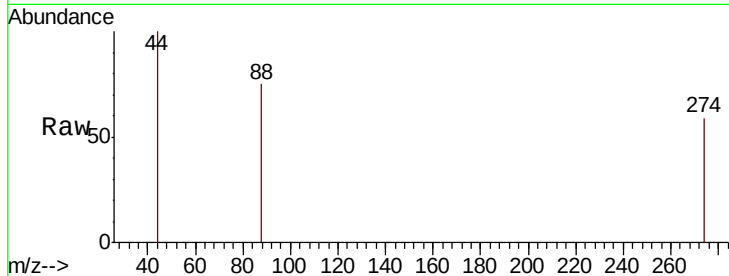




#49
1,4-Dioxane
Concen: 1.535 ug/l
RT: 8.91 min Scan# 760
Delta R.T. -0.17 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

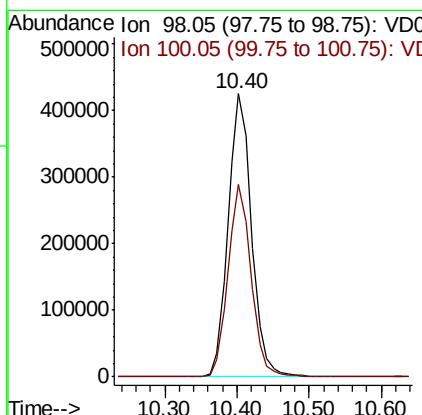
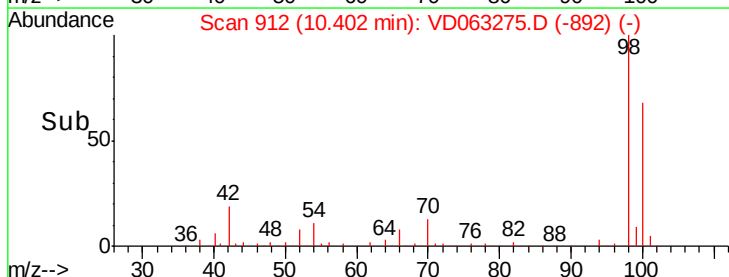
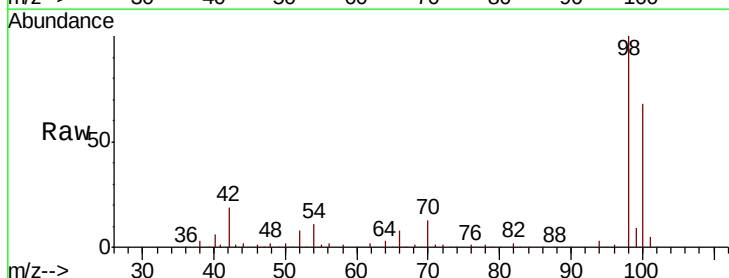
Instrument :
MSVOA_D
ClientSampled :

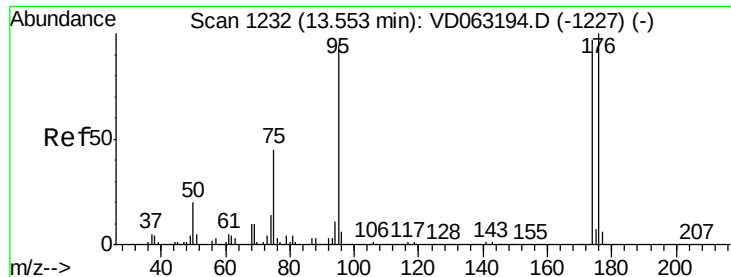
Tot Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 0.0 30.7 46.1#
58 0.0 56.5 84.7#



#50
Toluene-d8
Concen: 35.676 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Tgt Ion: 98 Resp: 961052
Ion Ratio Lower Upper
98 100
100 67.9 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 29.083 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

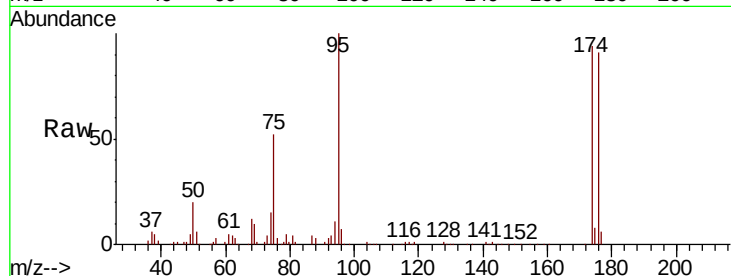
Tot Ion: 95 Resp: 357015

Ion Ratio Lower Upper

95 100

174 94.2 0.0 205.4

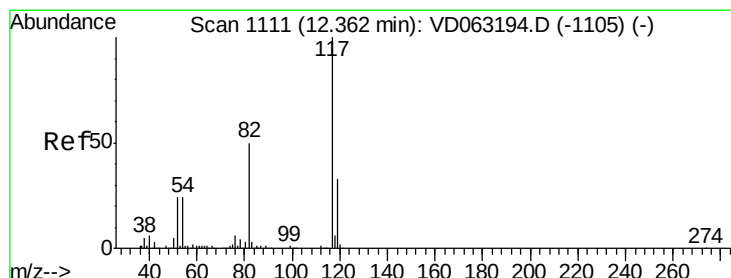
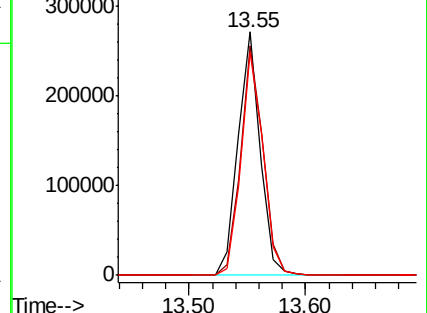
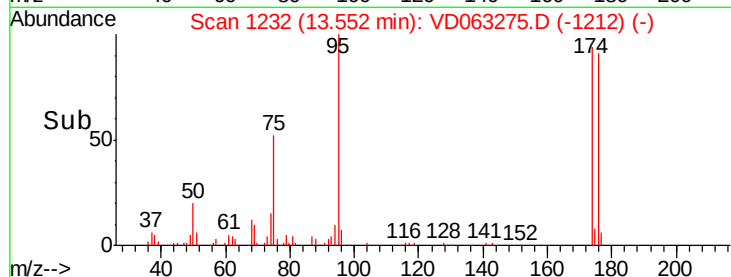
176 91.5 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063275.D

Acq: 31 Jul 2019 13:32

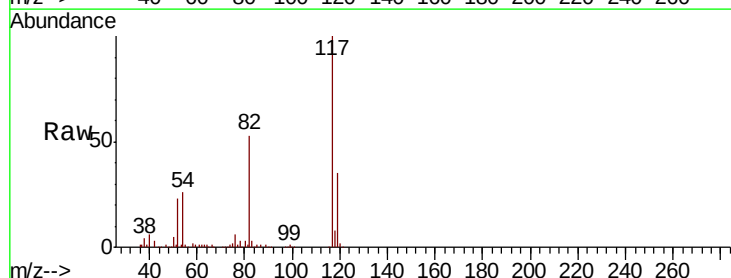
Tgt Ion: 117 Resp: 1053677

Ion Ratio Lower Upper

117 100

82 53.0 40.1 60.1

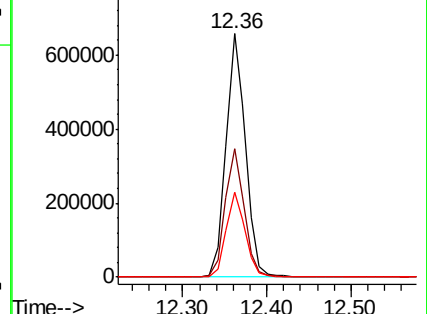
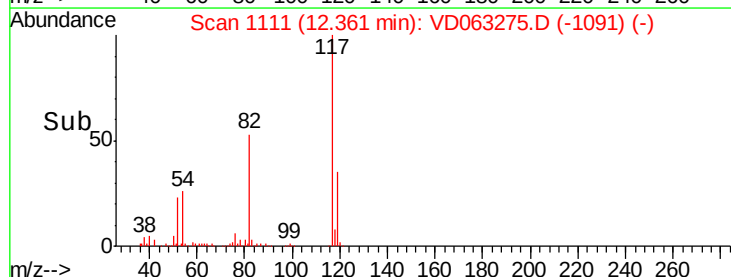
119 34.7 26.5 39.7

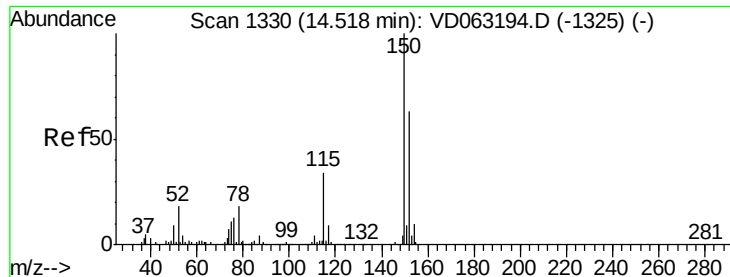


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



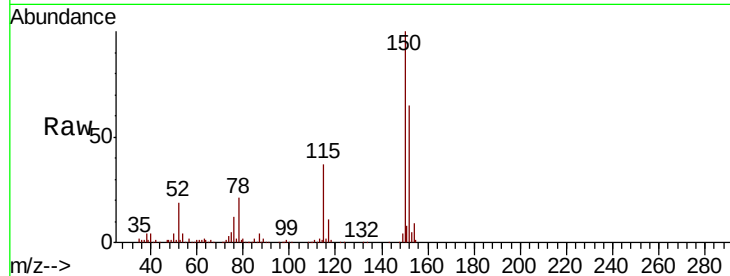


#72

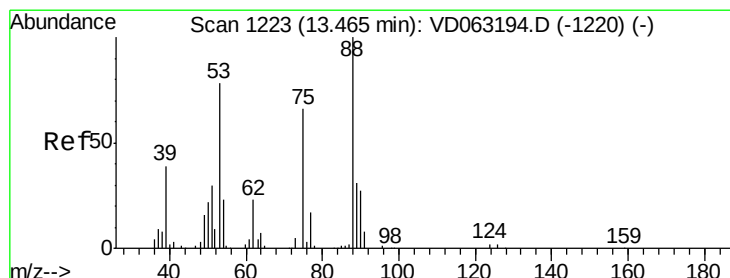
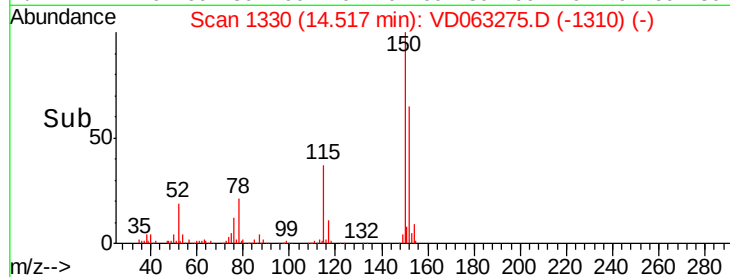
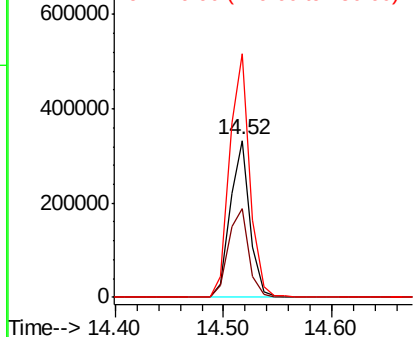
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.5	82.4
150	154.9	0.0	320.6



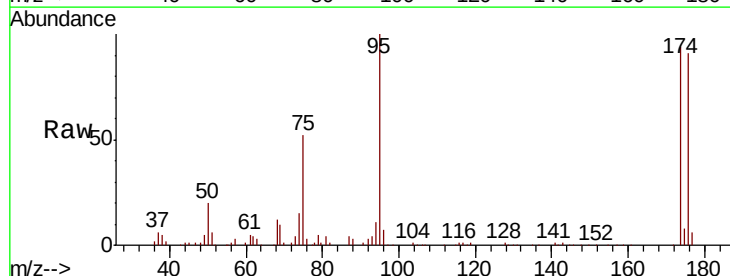
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 124.972 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD063275.D
Acq: 31 Jul 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

