

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063225.D
 Acq On : 30 Jul 2019 4:54
 Operator : VA/AP
 Sample : K4049-12
 Misc : 4.35g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

Quant Time: Jul 30 08:40:03 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	585979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	771479	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	536752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	189328	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	497023	76.44	ug/l	0.01
Spiked Amount			Recovery	=	152.88%	
35) Dibromofluoromethane	6.92	113	538153	81.70	ug/l	0.01
Spiked Amount			Recovery	=	163.40%	
50) Toluene-d8	10.40	98	1027122	69.68	ug/l	0.00
Spiked Amount			Recovery	=	139.36%	
62) 4-Bromofluorobenzene	13.55	95	314869	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

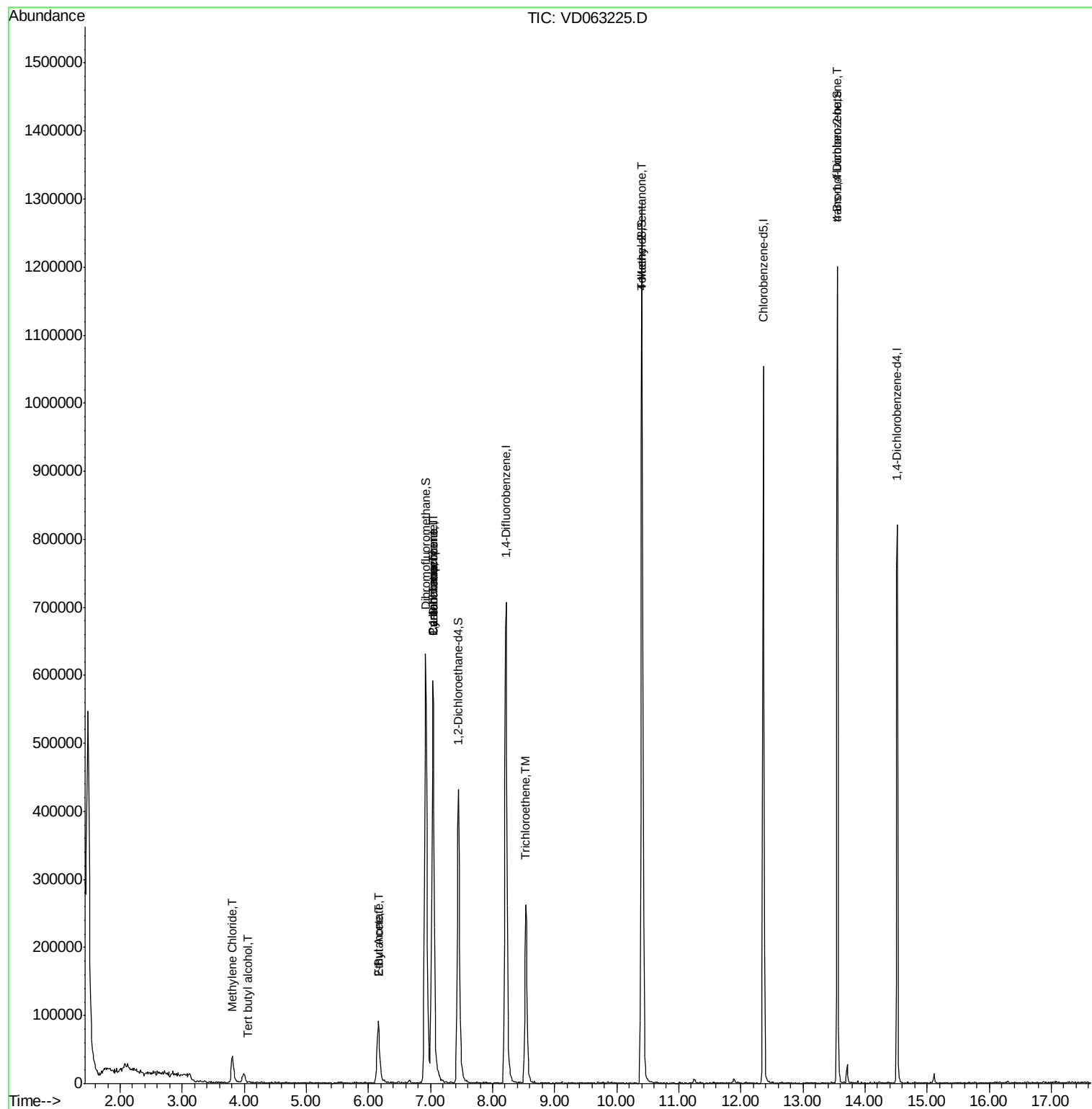
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1749	6.130	ug/l #	69
20) Methylene Chloride	3.81	84	25791	5.037	ug/l	87
25) 2-Butanone	6.16	43	8334	6.555	ug/l #	81
31) Cyclohexane	7.04	56	13651	2.357	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	45704	6.491	ug/l #	53
37) Ethyl Acetate	6.16	43	8335	2.635	ug/l #	39
38) Carbon Tetrachloride	7.04	117	55607	5.246	ug/l #	15
44) Trichloroethene	8.53	130	105626	17.665	ug/l	89
51) 4-Methyl-2-Pentanone	10.40	43	5908	2.150	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	153865	243.664	ug/l #	3

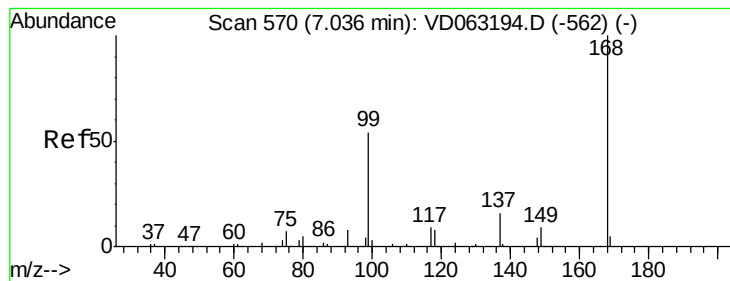
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063225.D
Acq On : 30 Jul 2019 4:54
Operator : VA/AP
Sample : K4049-12
Misc : 4.35g/5ml/MSVOA D/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-12

Quant Time: Jul 30 08:40:03 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: VD063225.D

Acq: 30 Jul 2019 4:54

Instrument :

MSVOA_D

ClientSampled :

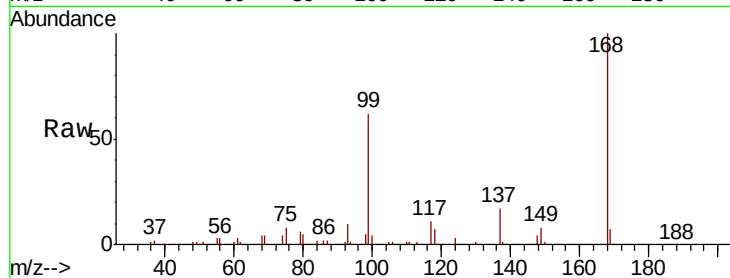
SP-12

Tot Ion:168 Resp: 585979

Ion Ratio Lower Upper

168 100

99 62.5 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

200000

150000

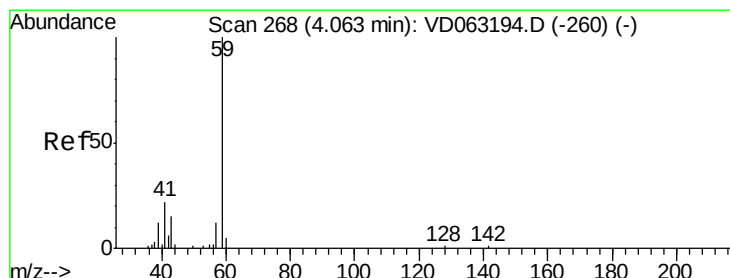
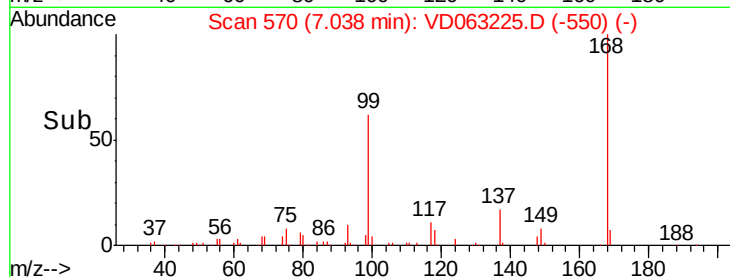
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 6.130 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD063225.D

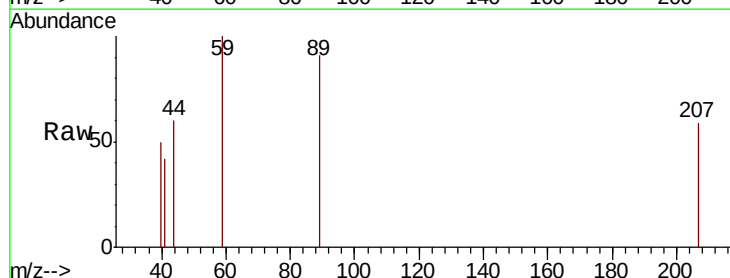
Acq: 30 Jul 2019 4:54

Tgt Ion: 59 Resp: 1749

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

4.06

2000

1500

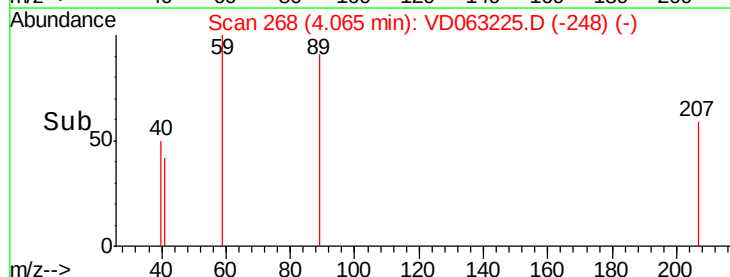
1000

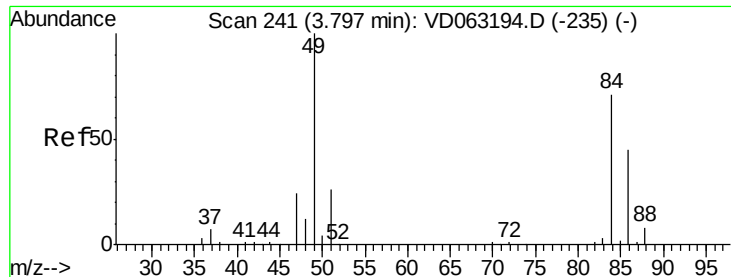
500

0

4.05 4.10 4.15

Time-->

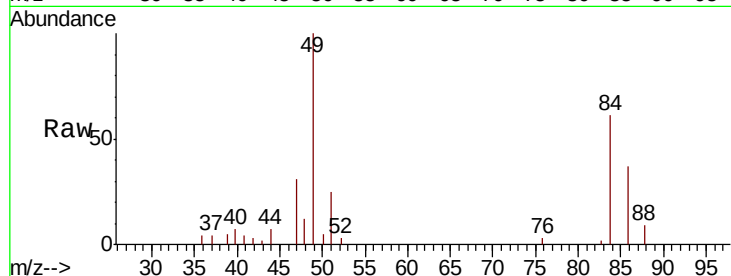




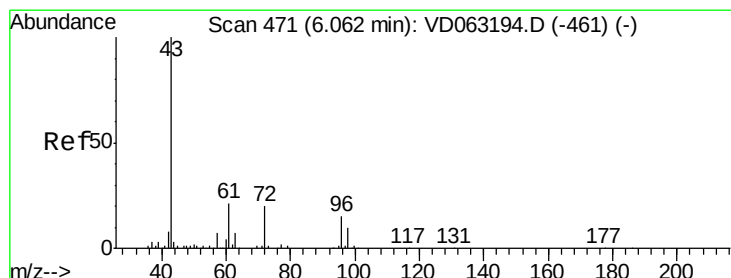
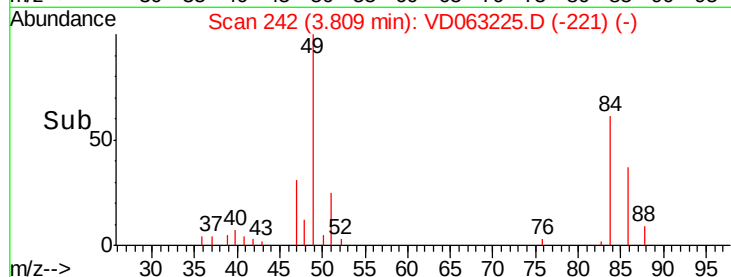
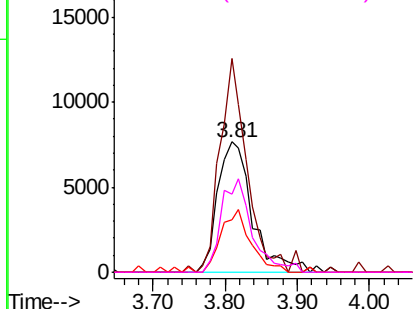
#20
Methylene Chloride
Concen: 5.037 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063225.D
Acq: 30 Jul 2019 4:54

Instrument :
MSVOA_D
ClientSampleId :
SP-12

Tot Ion: 84 Resp: 25791
Ion Ratio Lower Upper
84 100
49 163.7 112.5 168.7
51 40.6 29.6 44.4
86 60.2 50.4 75.6

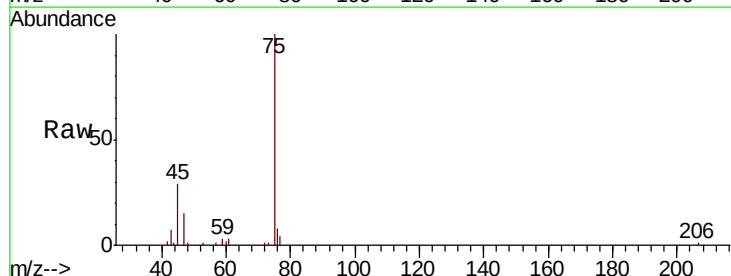


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

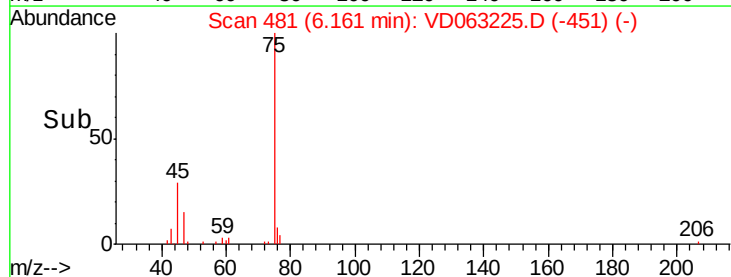
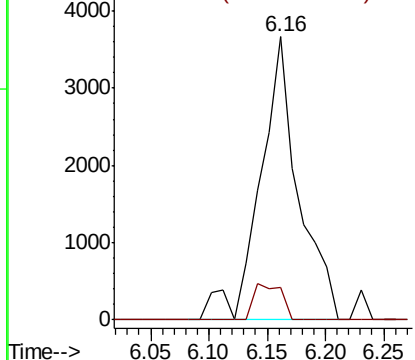


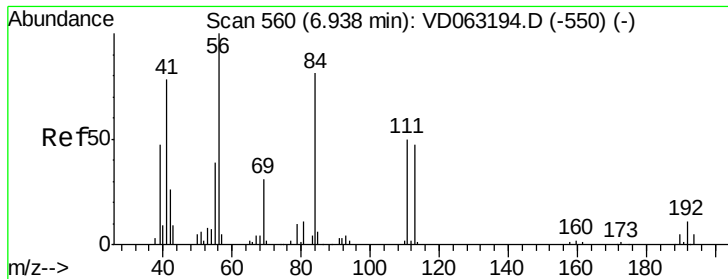
#25
2-Butanone
Concen: 6.555 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.10 min
Lab File: VD063225.D
Acq: 30 Jul 2019 4:54

Tgt Ion: 43 Resp: 8334
Ion Ratio Lower Upper
43 100
72 11.5 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

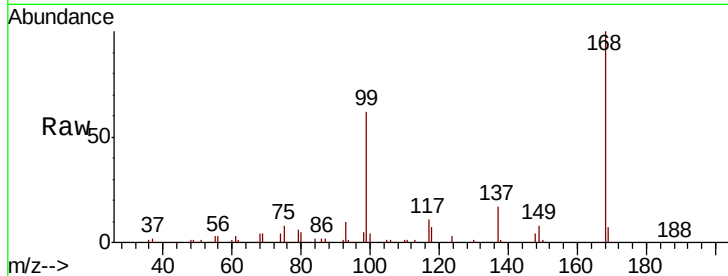




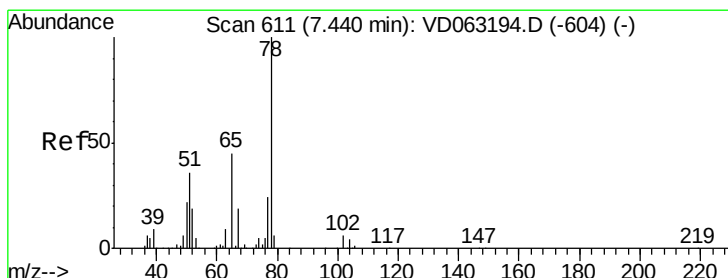
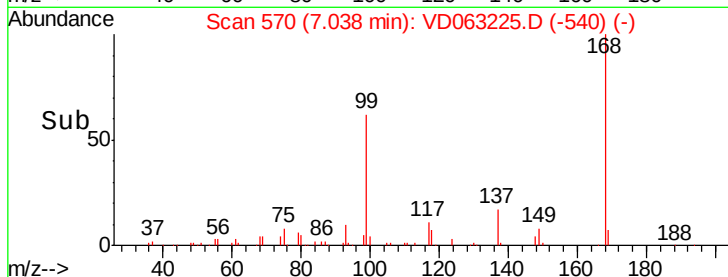
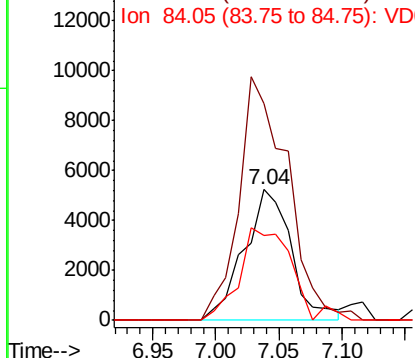
#31
Cyclohexane
Concen: 2.357 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063225.D
Acq: 30 Jul 2019 4:54

Instrument :
MSVOA_D
ClientSampleId :
SP-12

Tot Ion	56	Resp	13651
Ion Ratio	Lower	Upper	
56	100		
69	165.8	24.5	36.7#
84	64.7	64.9	97.3#

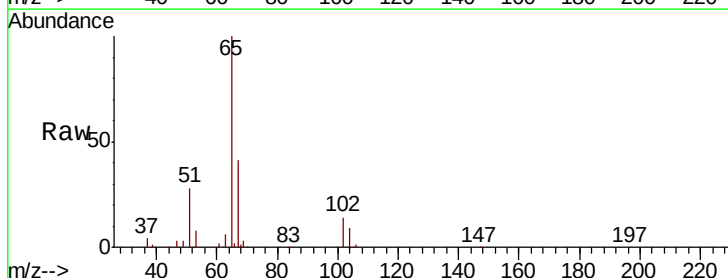


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

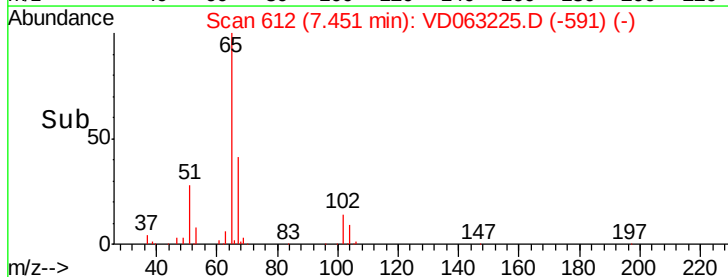
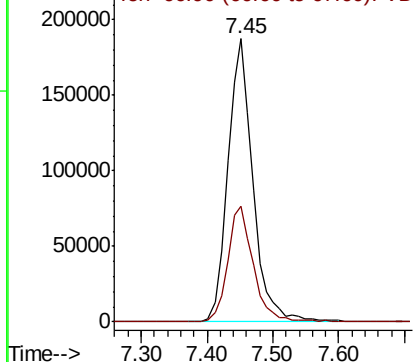


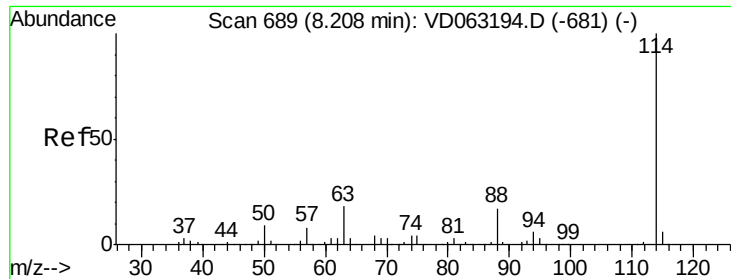
#33
1,2-Dichloroethane-d4
Concen: 76.442 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063225.D
Acq: 30 Jul 2019 4:54

Tgt Ion	65	Resp	497023
Ion Ratio	Lower	Upper	
65	100		
67	41.0	0.0	85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

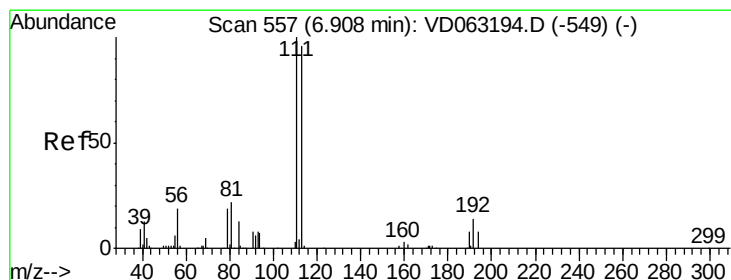
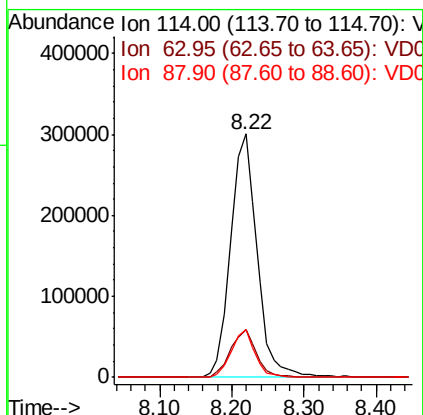
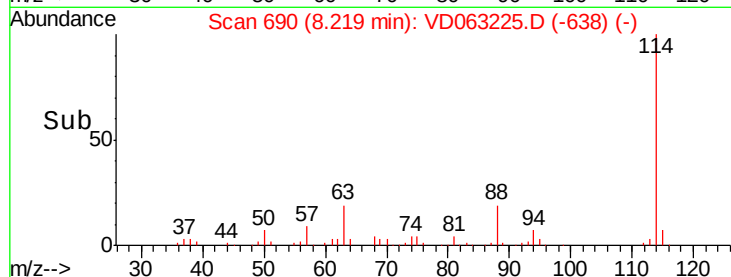
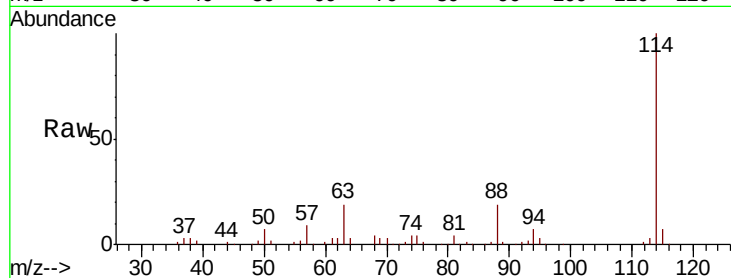




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063225.D
 Acq: 30 Jul 2019 4:54

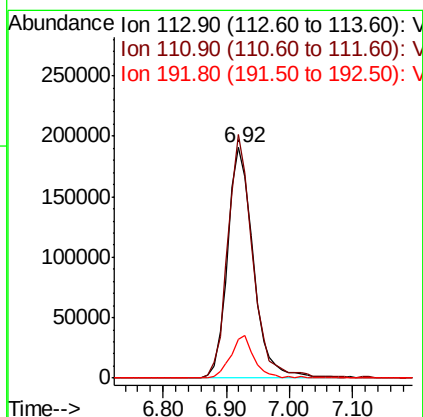
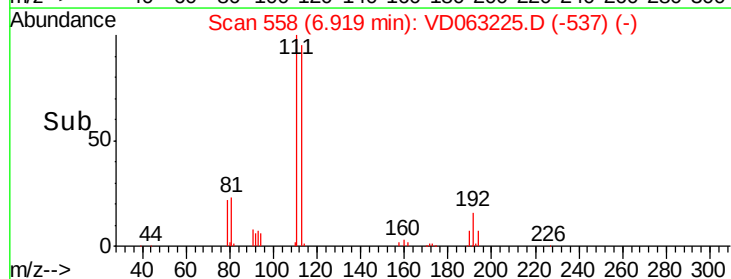
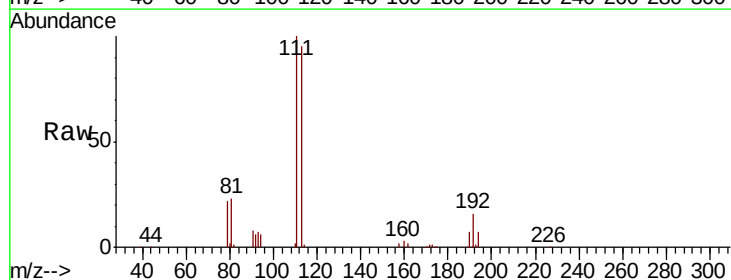
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

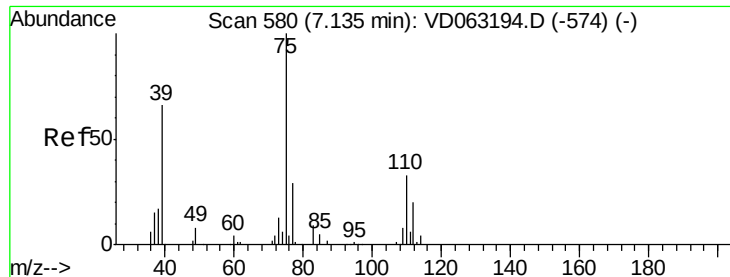
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	35.2
88	19.5	0.0	34.6



#35
 Dibromofluoromethane
 Concen: 81.702 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063225.D
 Acq: 30 Jul 2019 4:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.7	83.2	124.8
192	16.7	11.8	17.8

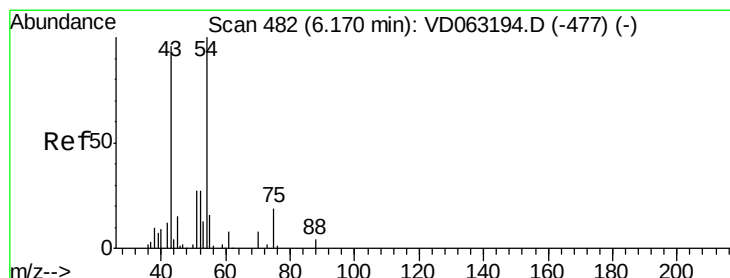
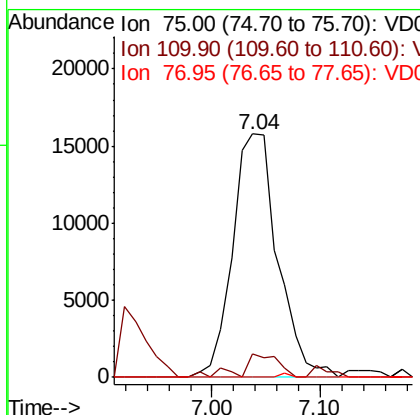
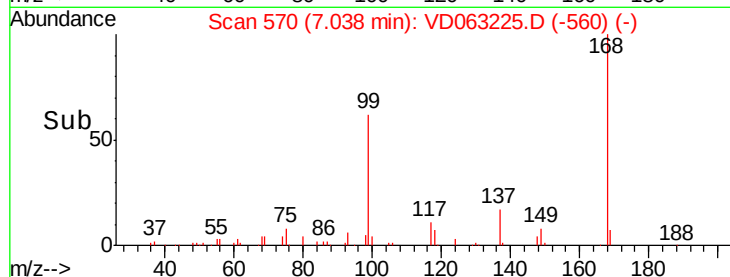
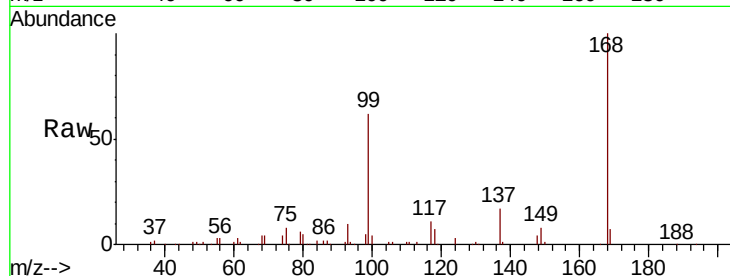




#36
 1,1-Dichloropropene
 Concen: 6.491 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063225.D
 Acq: 30 Jul 2019 4:54

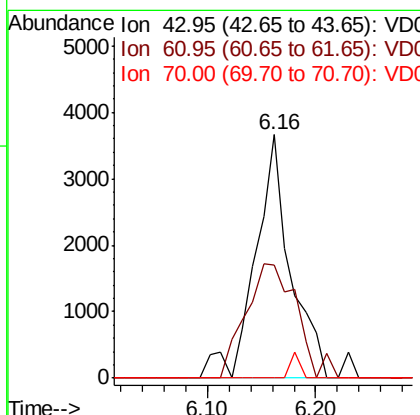
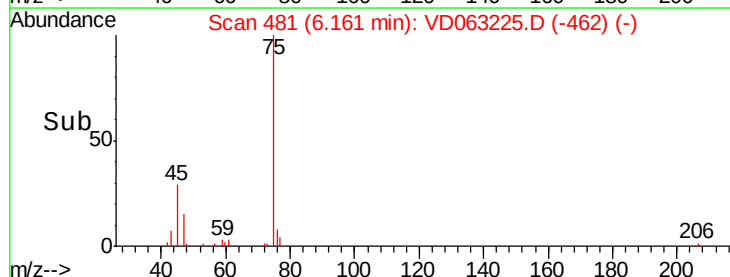
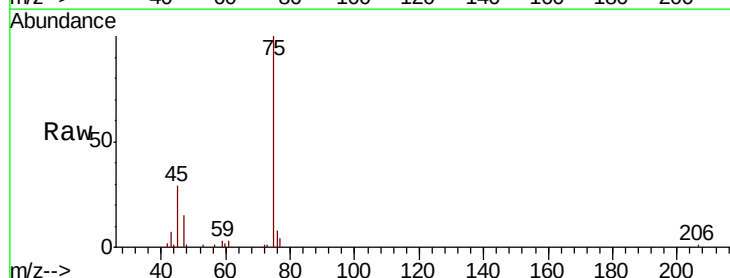
Instrument :
 MSVOA_D
 ClientSampled :
 SP-12

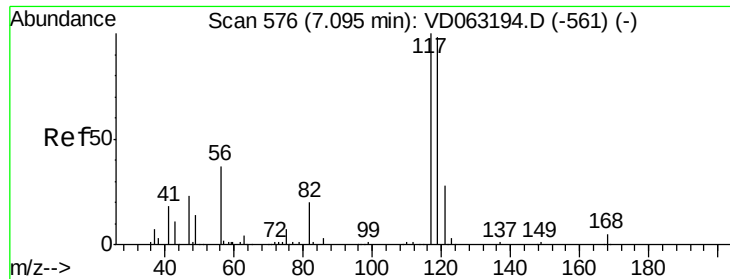
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.1	48.2#
77	0.0	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 2.635 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD063225.D
 Acq: 30 Jul 2019 4:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	46.7	11.3	16.9#
70	0.0	5.1	7.7#





#38

Carbon Tetrachloride

Concen: 5.246 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063225.D

Acq: 30 Jul 2019 4:54

Instrument :

MSVOA_D

ClientSampleId :

SP-12

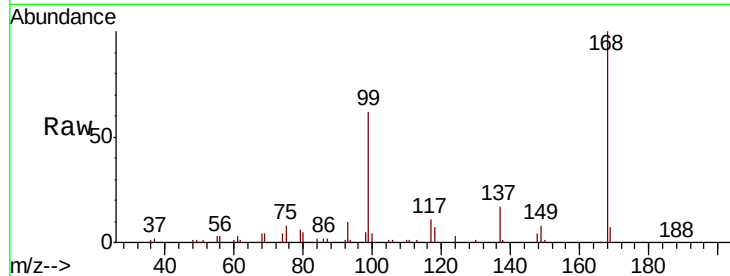
Tot Ion:117 Resp: 55607

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.2#

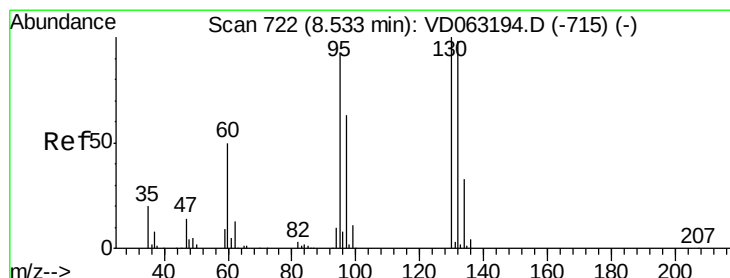
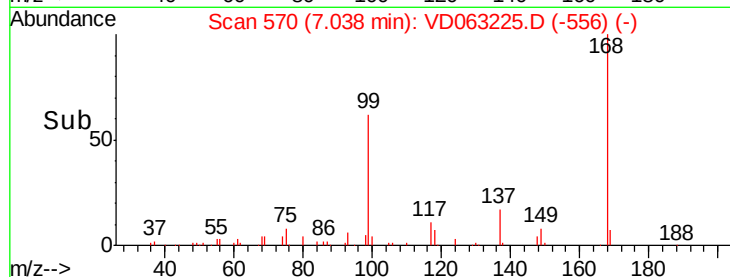
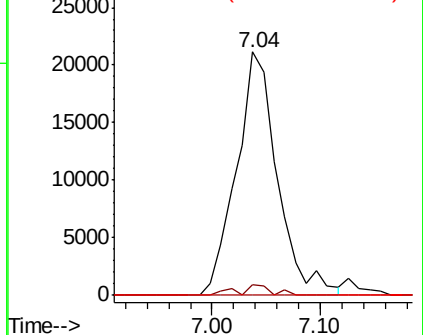
121 0.0 22.1 33.1#



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



#44

Trichloroethene

Concen: 17.665 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063225.D

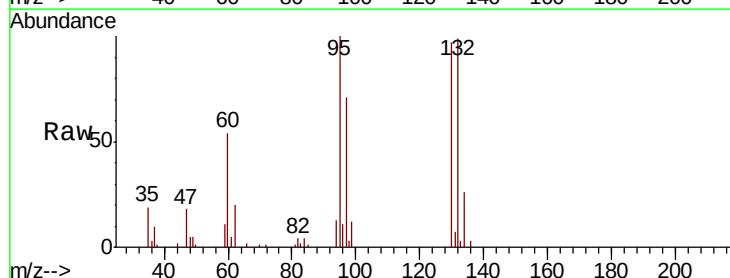
Acq: 30 Jul 2019 4:54

Tgt Ion:130 Resp: 105626

Ion Ratio Lower Upper

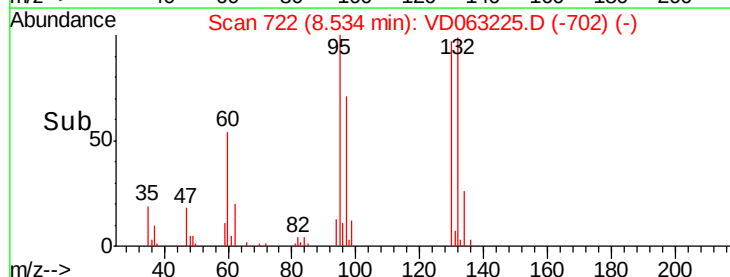
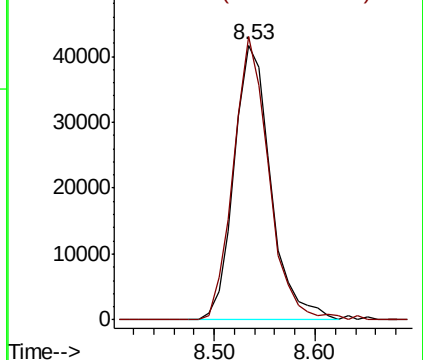
130 100

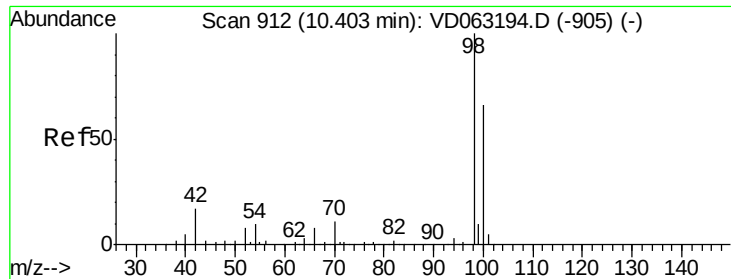
95 102.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 69.677 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063225.D

Acq: 30 Jul 2019 4:54

Instrument :

MSVOA_D

ClientSampleId :

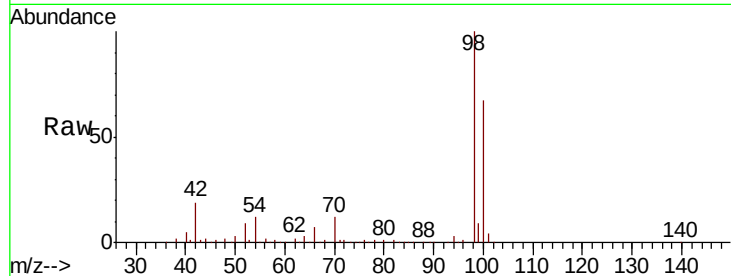
SP-12

Tot Ion: 98 Resp: 1027122

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

500000

400000

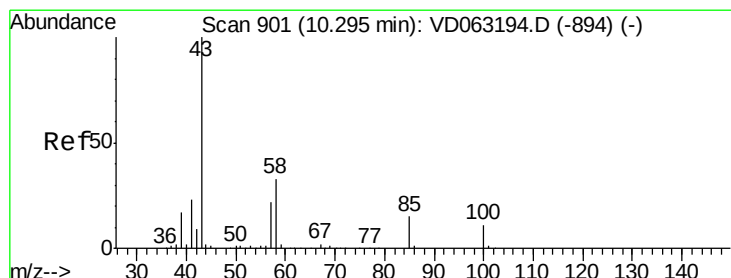
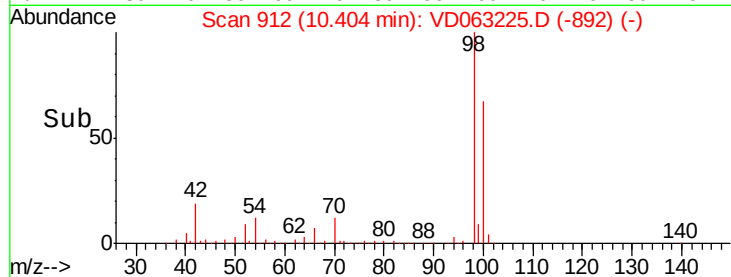
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.150 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD063225.D

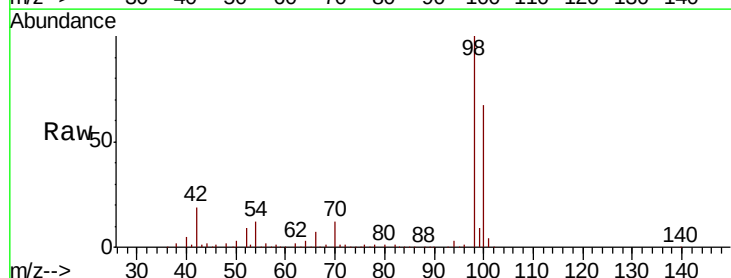
Acq: 30 Jul 2019 4:54

Tgt Ion: 43 Resp: 5908

Ion Ratio Lower Upper

43 100

58 160.3 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

6000

5000

4000

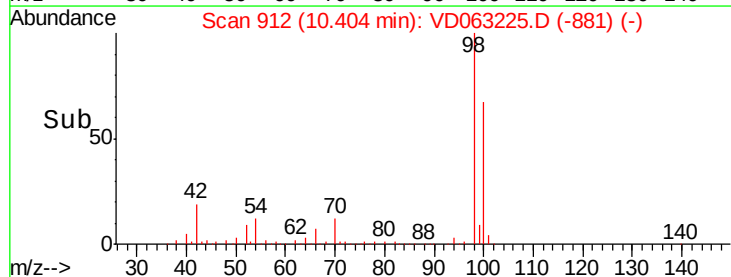
3000

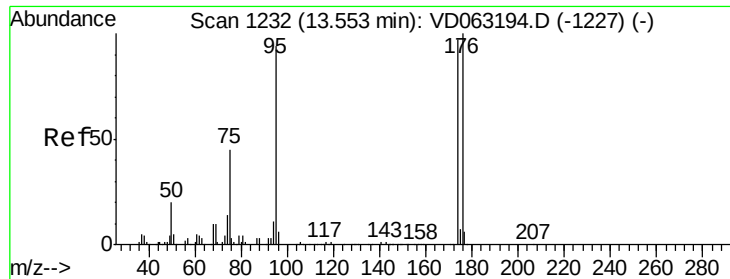
2000

1000

0

Time-->

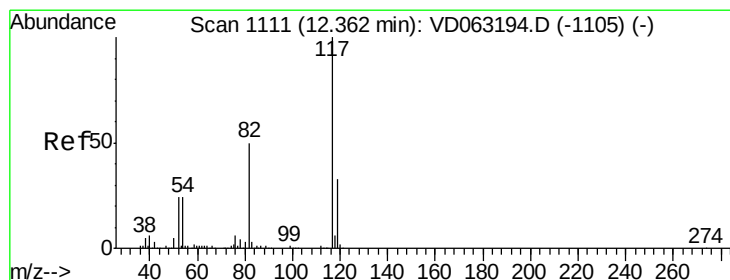
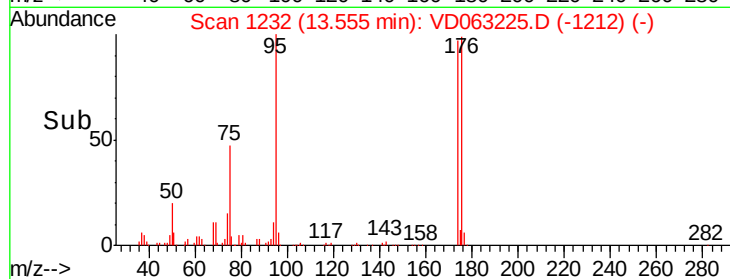
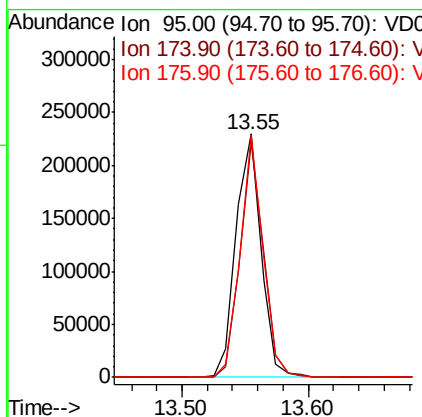
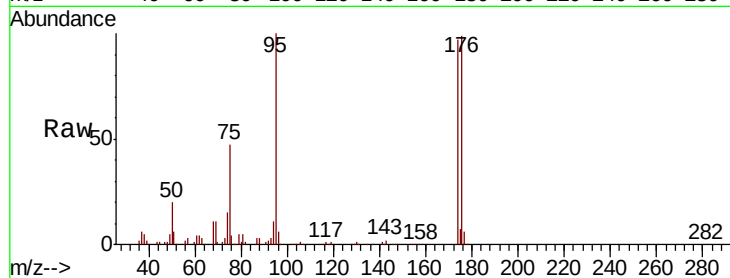




#62
4-Bromofluorobenzene
Concen: 46.873 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063225.D
Acq: 30 Jul 2019 4:54

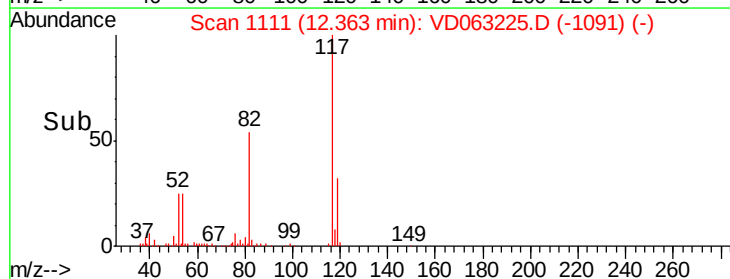
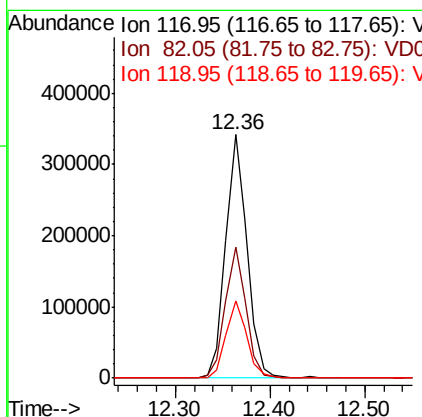
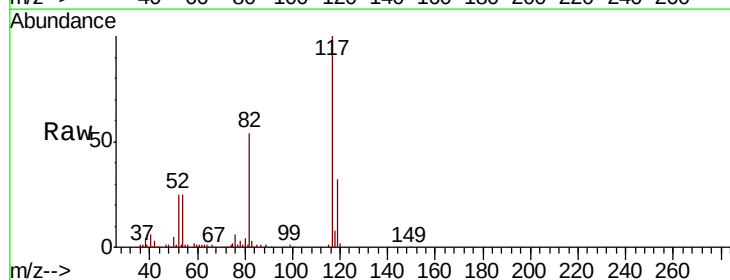
Instrument :
MSVOA_D
ClientSampleId :
SP-12

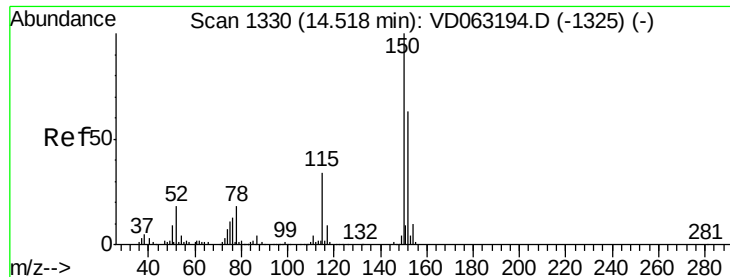
Tot Ion: 95 Resp: 314869
Ion Ratio Lower Upper
95 100
174 96.5 0.0 205.4
176 99.4 0.0 211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063225.D
Acq: 30 Jul 2019 4:54

Tgt Ion: 117 Resp: 536752
Ion Ratio Lower Upper
117 100
82 53.7 40.1 60.1
119 31.7 26.5 39.7

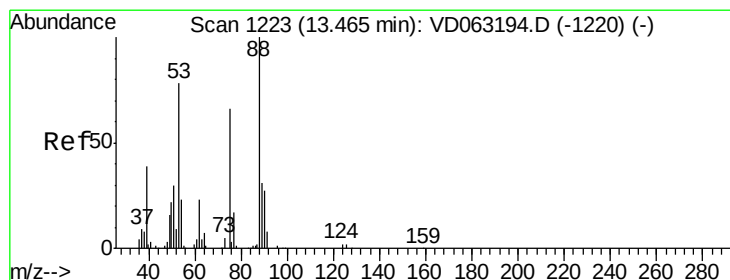
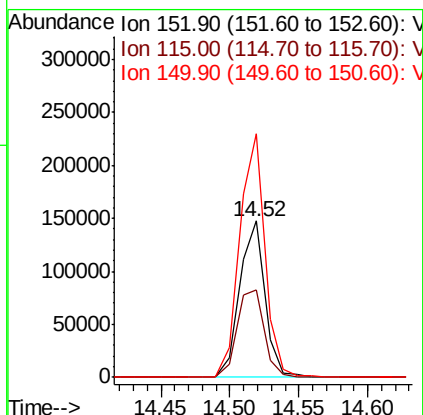
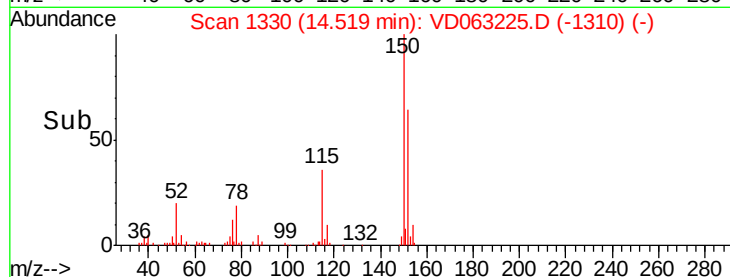
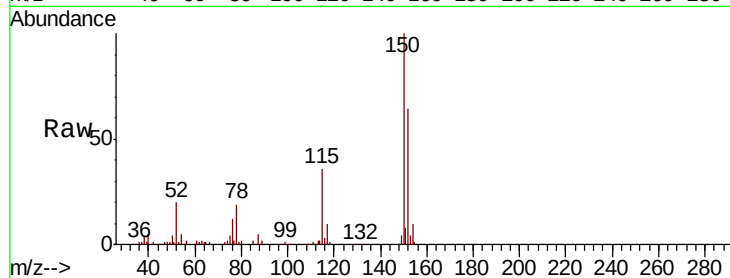




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD063225.D
 Acq: 30 Jul 2019 4:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.4
150	155.5	0.0	320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 243.664 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063225.D
 Acq: 30 Jul 2019 4:54

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

