

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061763.D
 Acq On : 12 Apr 2019 4:15
 Operator : VA/AP
 Sample : K2342-06
 Misc : 2.76g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 04:54:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	377951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	579289	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	418477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	136418	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	199525	69.65	ug/l	0.00
Spiked Amount			Recovery	=	139.30%	
35) Dibromofluoromethane	6.91	113	316758	78.93	ug/l	0.00
Spiked Amount			Recovery	=	157.86%	
50) Toluene-d8	10.40	98	659021	65.36	ug/l	0.00
Spiked Amount			Recovery	=	130.72%	
62) 4-Bromofluorobenzene	13.55	95	177838	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	

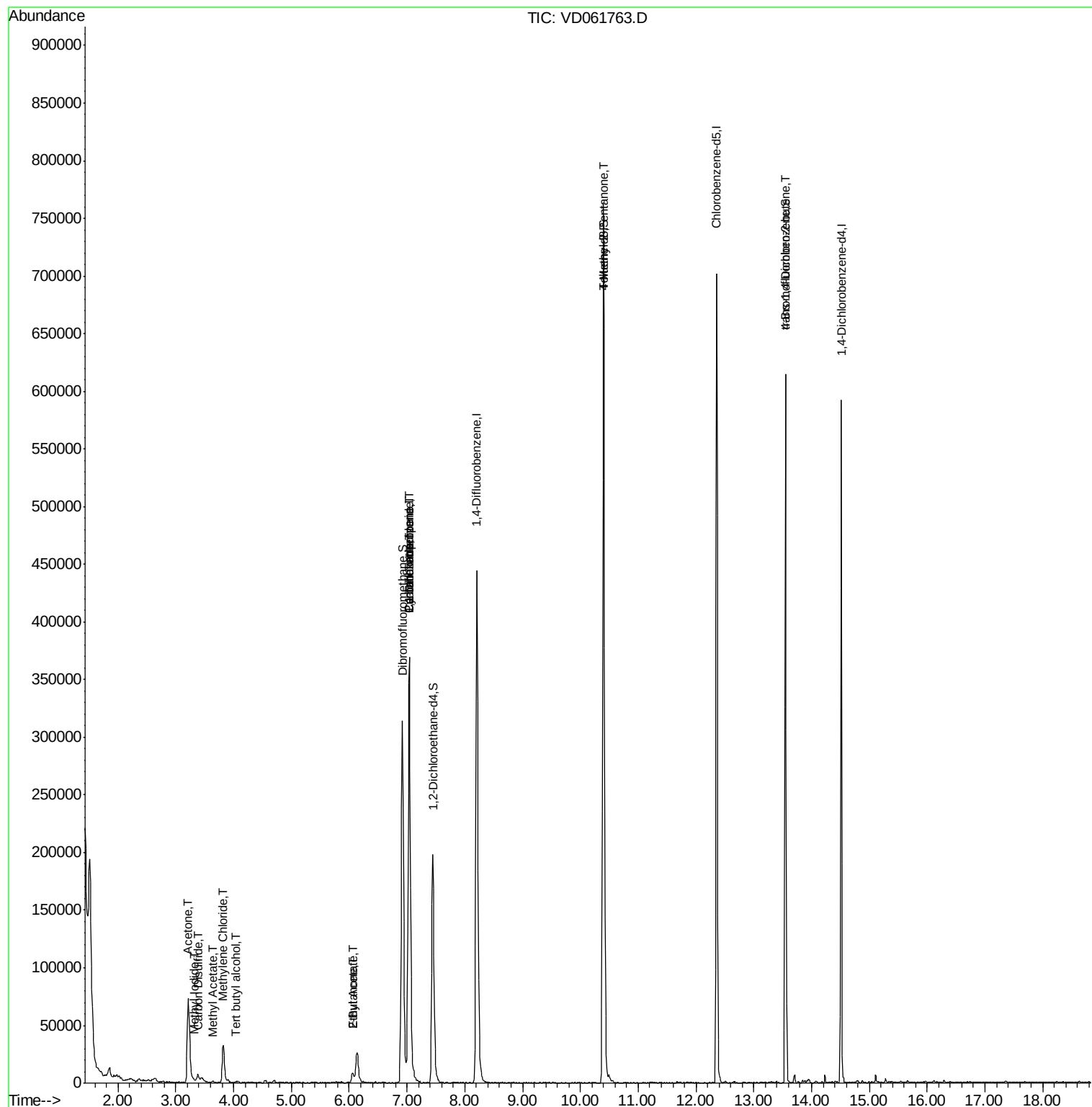
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	645	3.742	ug/l #	38
11) Tert butyl alcohol	4.05	59	3426	17.844	ug/l #	72
16) Acetone	3.21	43	157004	183.331	ug/l	97
17) Carbon Disulfide	3.38	76	14310	1.118	ug/l	98
18) Methyl Acetate	3.65	43	1809	1.123	ug/l #	53
20) Methylene Chloride	3.82	84	24736	5.090	ug/l	97
25) 2-Butanone	6.06	43	21086	21.358	ug/l #	87
31) Cyclohexane	7.04	56	6028	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	27328	5.390	ug/l #	46
37) Ethyl Acetate	6.06	43	21086	10.211	ug/l #	68
38) Carbon Tetrachloride	7.03	117	36953	6.219	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	2748	1.550	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	66587	118.230	ug/l #	20

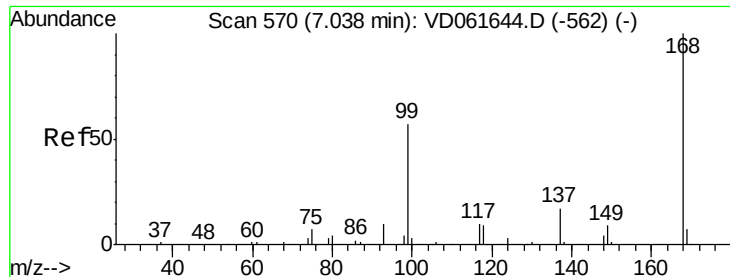
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061763.D

Acq: 12 Apr 2019 4:15

Instrument :

MSVOA_D

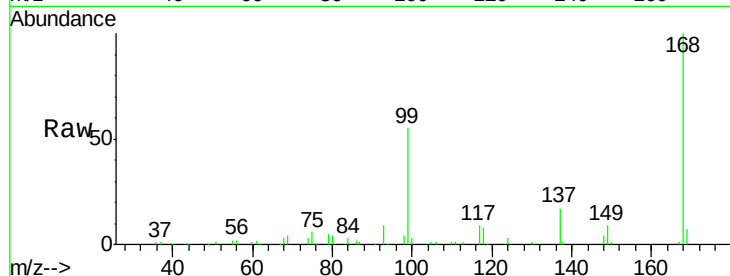
ClientSampleId :

Tot Ion:168 Resp: 377951

Ion Ratio Lower Upper

168 100

99 54.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

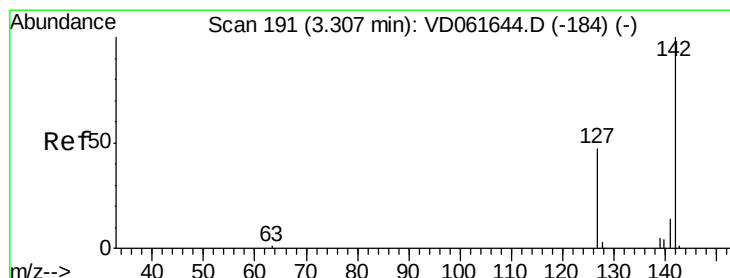
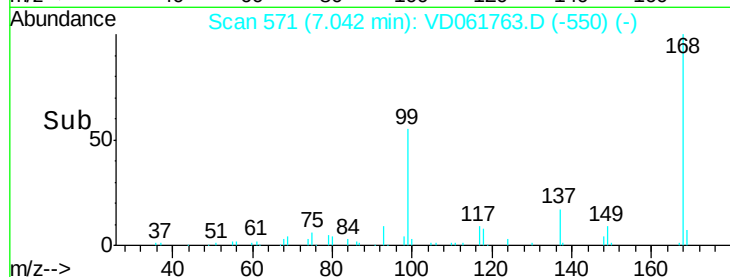
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.742 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.02 min

Lab File: VD061763.D

Acq: 12 Apr 2019 4:15

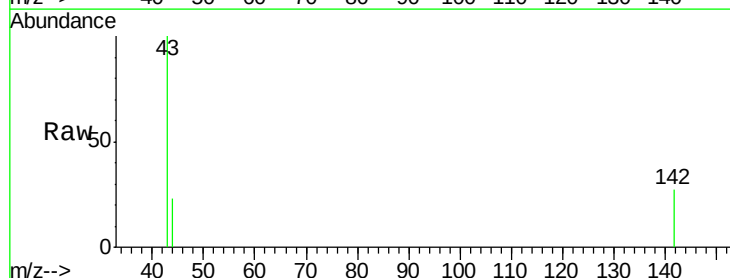
Tgt Ion:142 Resp: 645

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

141 0.0 10.8 16.2#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.33

600

500

400

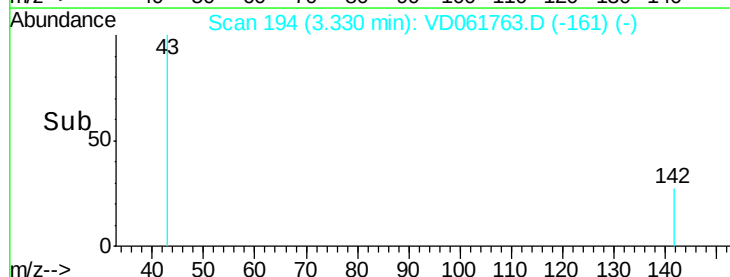
300

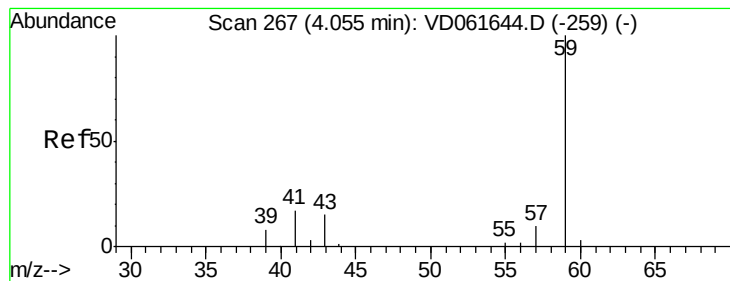
200

100

0

Time-->



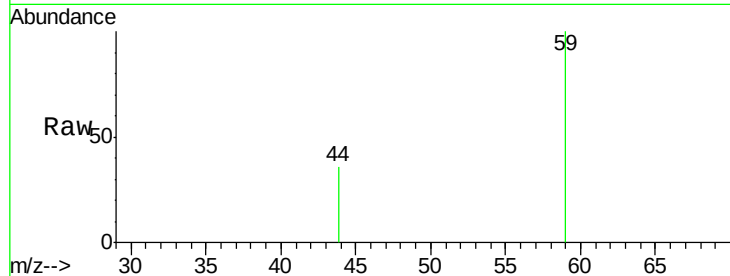


#11

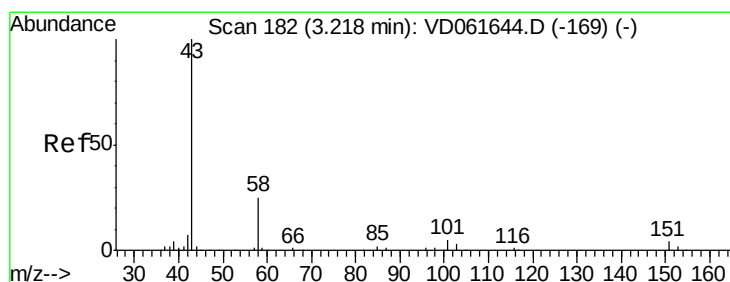
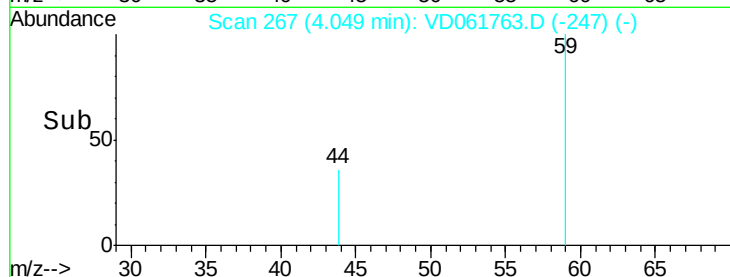
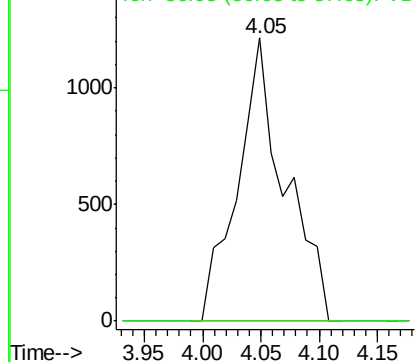
Tert butyl alcohol
 Concen: 17.844 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD061763.D
 Acq: 12 Apr 2019 4:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 3426
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



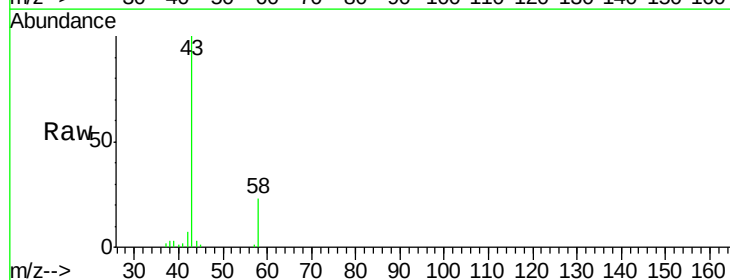
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



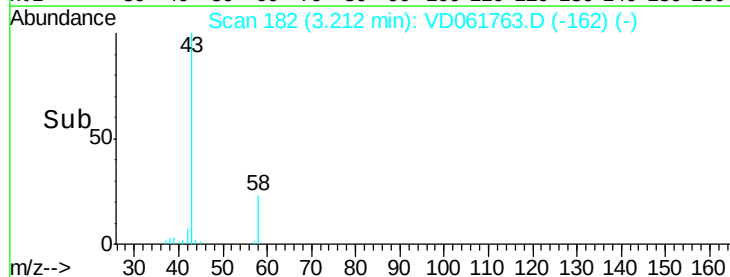
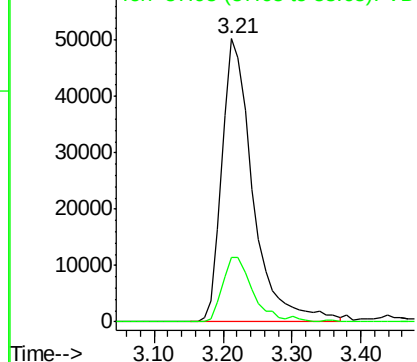
#16

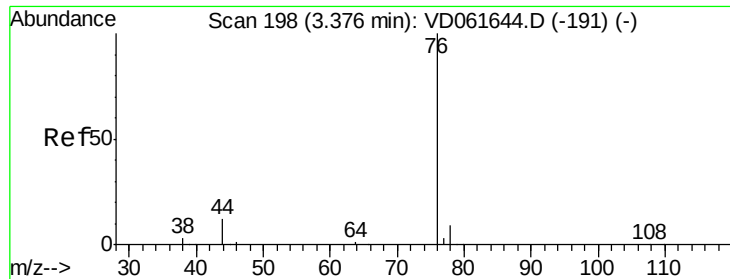
Acetone
 Concen: 183.331 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD061763.D
 Acq: 12 Apr 2019 4:15

Tgt Ion: 43 Resp: 157004
 Ion Ratio Lower Upper
 43 100
 58 22.9 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 1.118 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061763.D

Acq: 12 Apr 2019 4:15

Instrument :

MSVOA_D

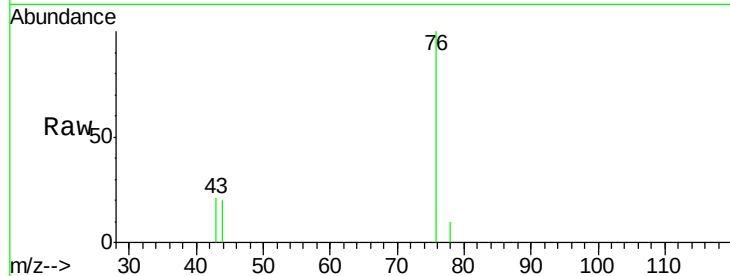
ClientSampleId :

Tot Ion: 76 Resp: 14310

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

6000

5000

4000

3000

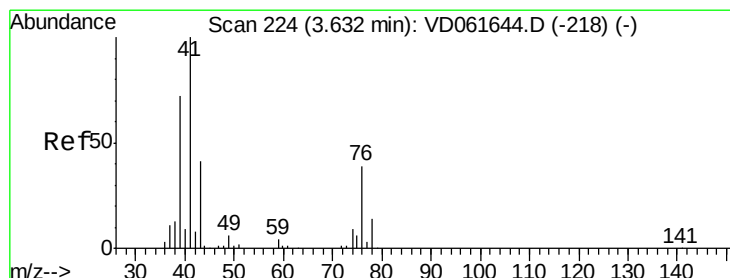
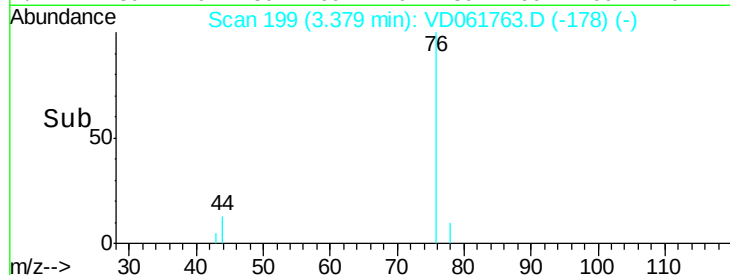
2000

1000

0

Time-->

3.30 3.35 3.40 3.45 3.50



#18

Methyl Acetate

Concen: 1.123 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061763.D

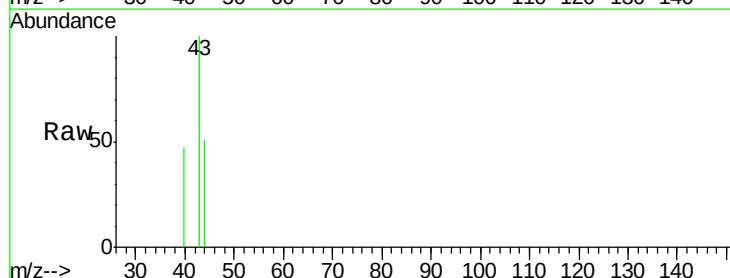
Acq: 12 Apr 2019 4:15

Tgt Ion: 43 Resp: 1809

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

800

600

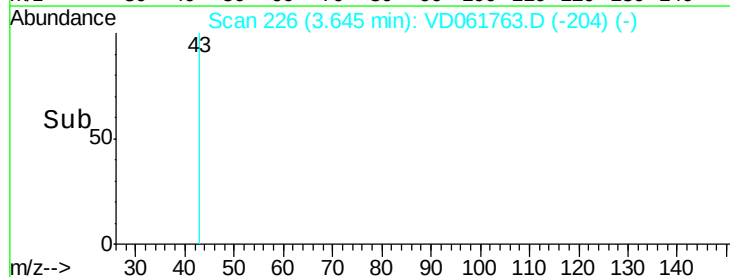
400

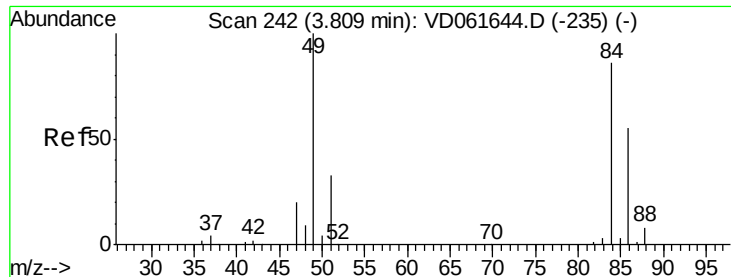
200

0

Time-->

3.60 3.65 3.70

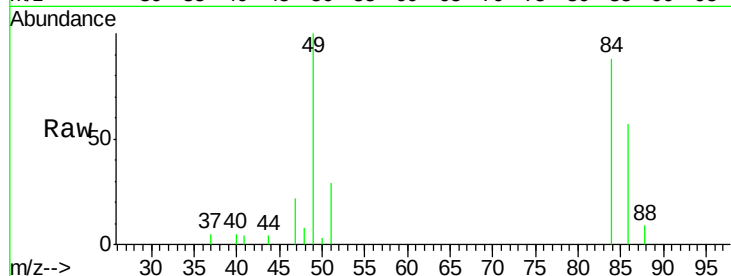




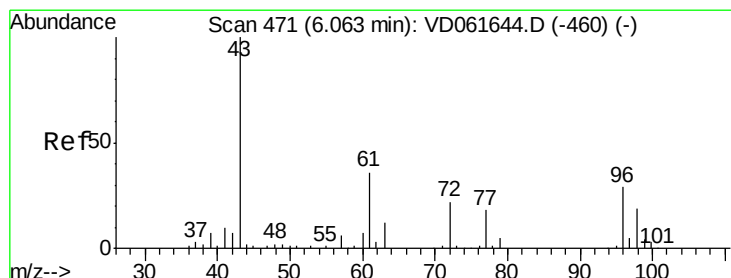
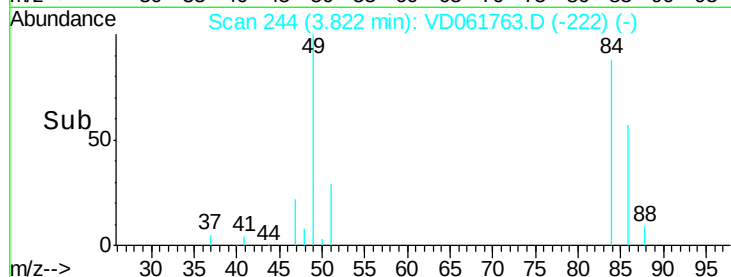
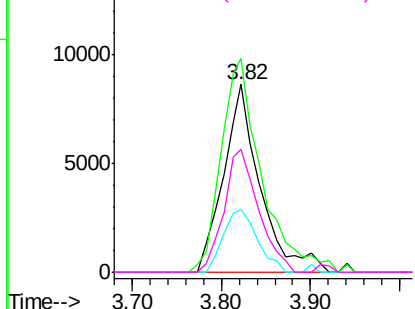
#20
Methvlene Chloride
Concen: 5.090 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	24736
Ion	Ratio	Lower	Upper
84	100		
49	113.7	93.0	139.4
51	33.5	30.4	45.6
86	65.3	51.0	76.4

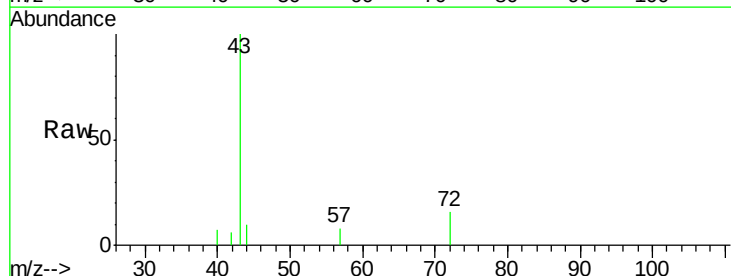


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

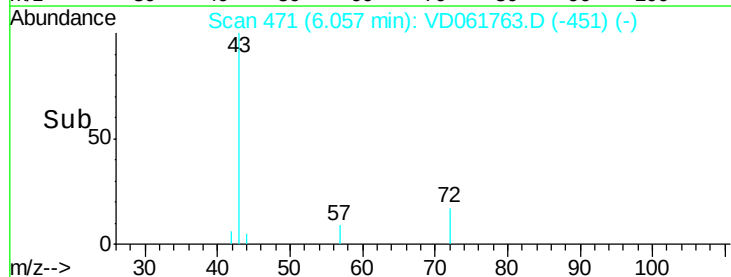
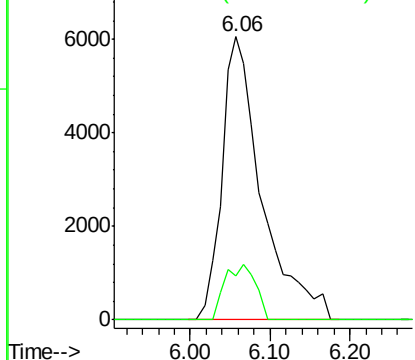


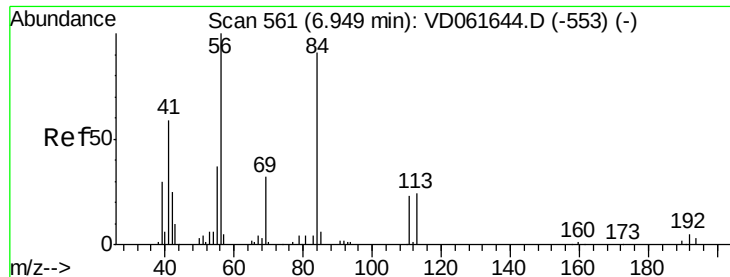
#25
2-Butanone
Concen: 21.358 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Tgt Ion:	43	Resp:	21086
Ion	Ratio	Lower	Upper
43	100		
72	15.7	17.4	26.2#



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

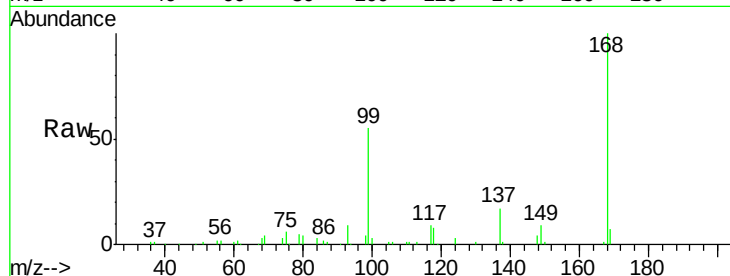




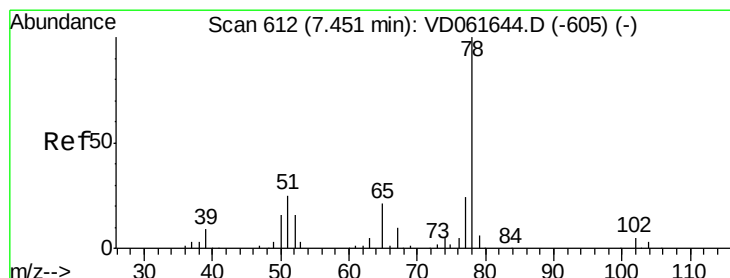
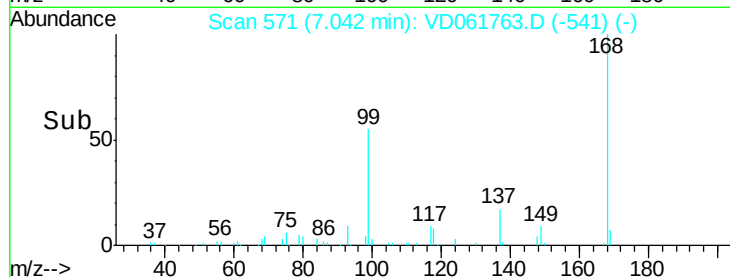
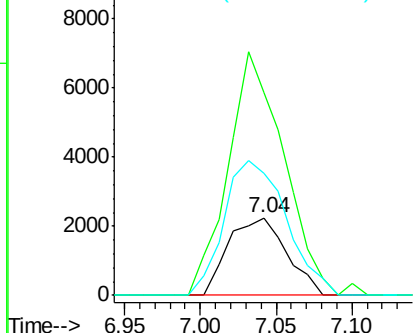
#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 6028
Ion Ratio Lower Upper
56 100
69 262.3 25.8 38.6#
84 157.7 74.2 111.2#

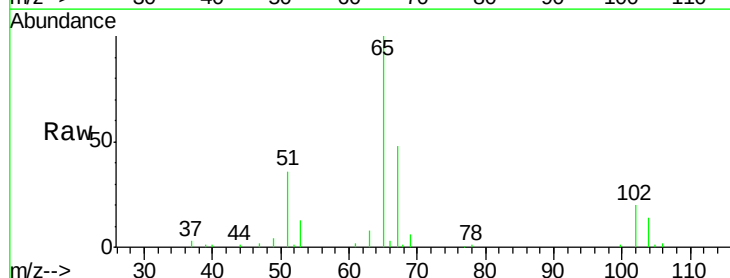


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

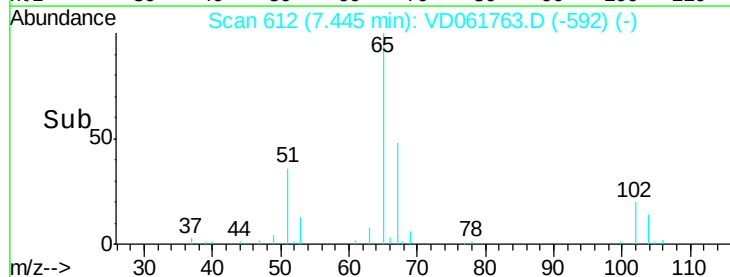
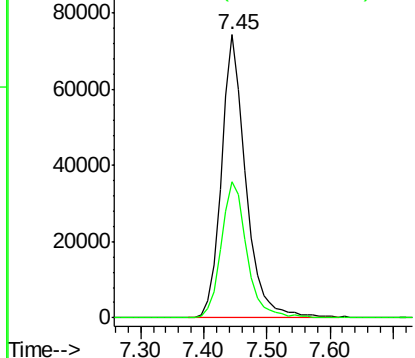


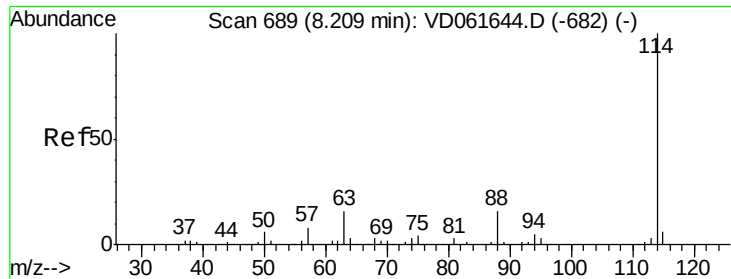
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Tgt Ion: 65 Resp: 199525
Ion Ratio Lower Upper
65 100
67 48.0 0.0 99.4



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

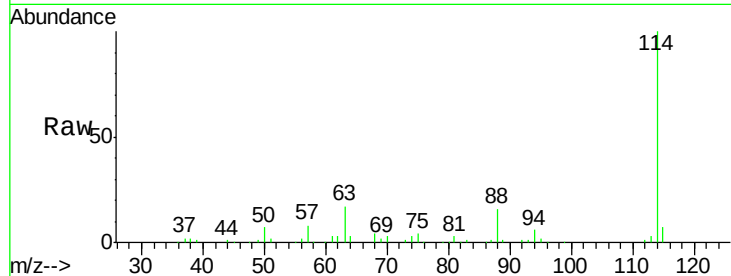




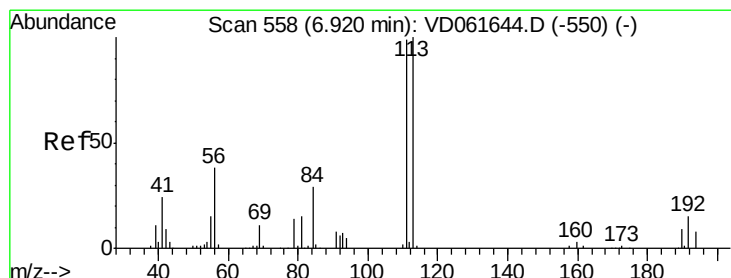
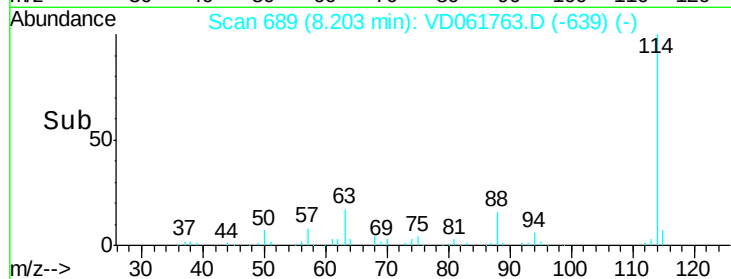
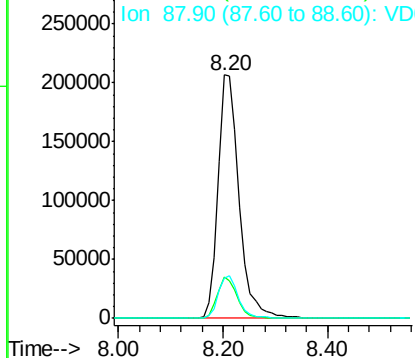
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061763.D
 Acq: 12 Apr 2019 4:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 579289
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 31.2
 88 16.3 0.0 31.8

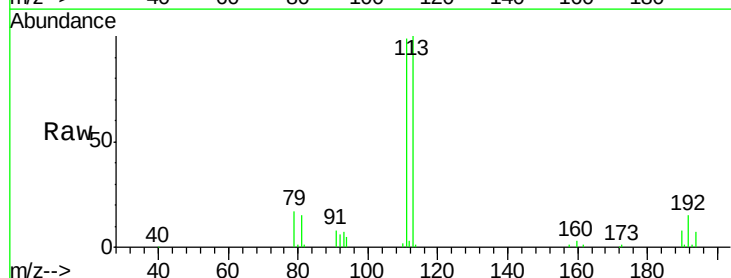


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

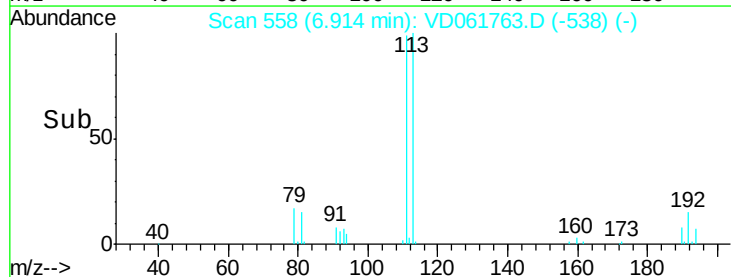
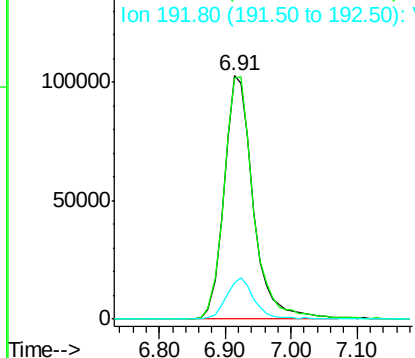


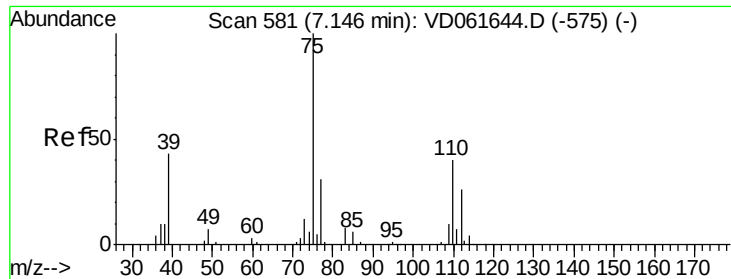
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061763.D
 Acq: 12 Apr 2019 4:15

Tgt Ion:113 Resp: 316758
 Ion Ratio Lower Upper
 113 100
 111 99.2 79.3 118.9
 192 15.1 12.3 18.5



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

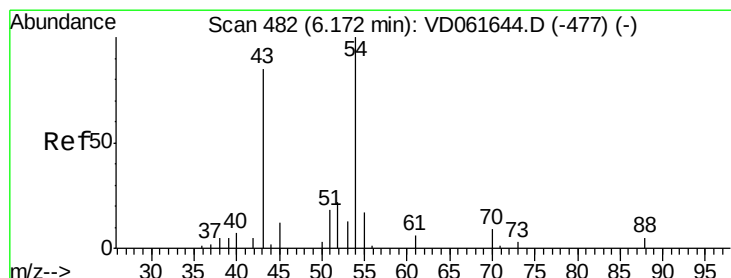
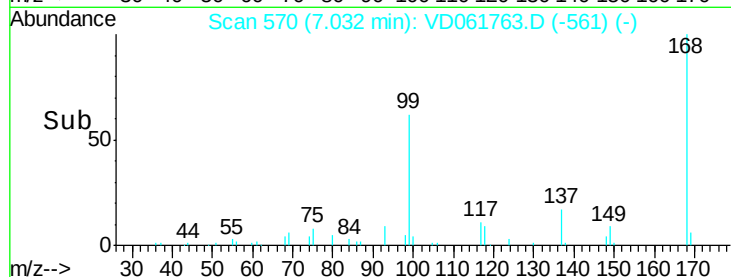
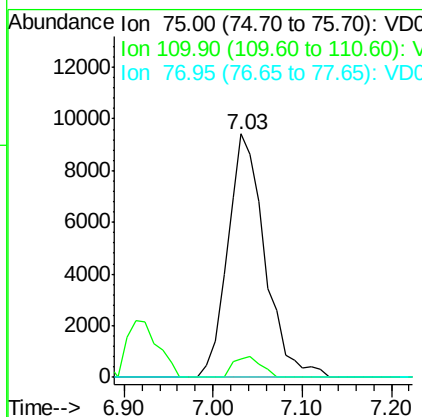
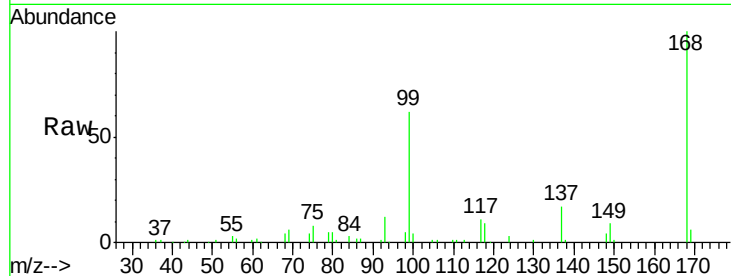




#36
 1,1-Dichloropropene
 Concen: 5.390 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061763.D
 Acq: 12 Apr 2019 4:15

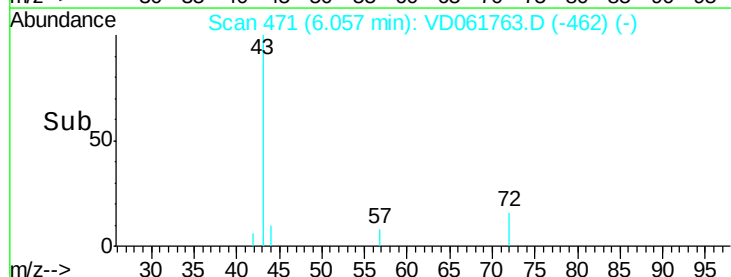
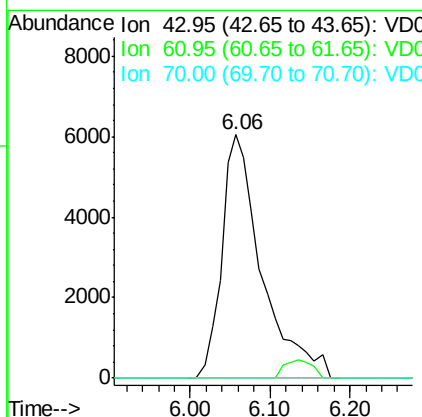
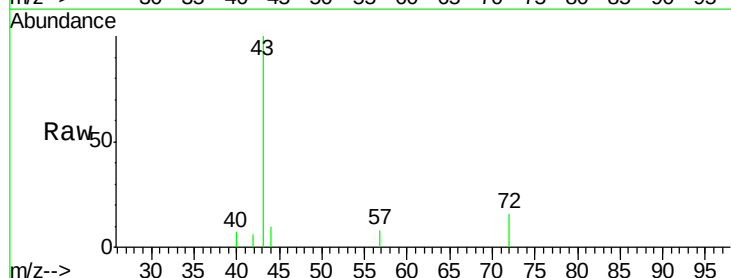
Instrument :
 MSVOA_D
 ClientSampleId :

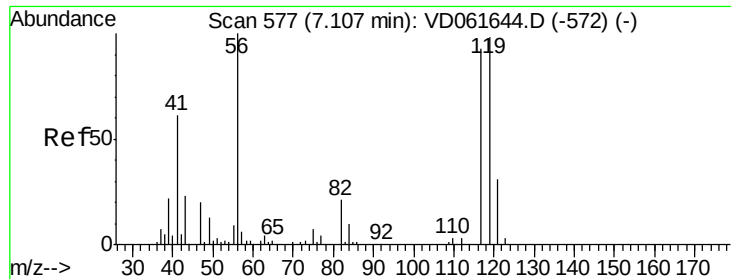
Tot Ion: 75 Resp: 27328
 Ion Ratio Lower Upper
 75 100
 110 7.3 19.7 59.0#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 10.211 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.11 min
 Lab File: VD061763.D
 Acq: 12 Apr 2019 4:15

Tgt Ion: 43 Resp: 21086
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 6.9 10.3#

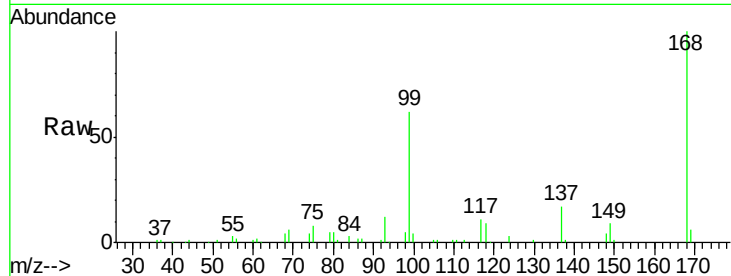




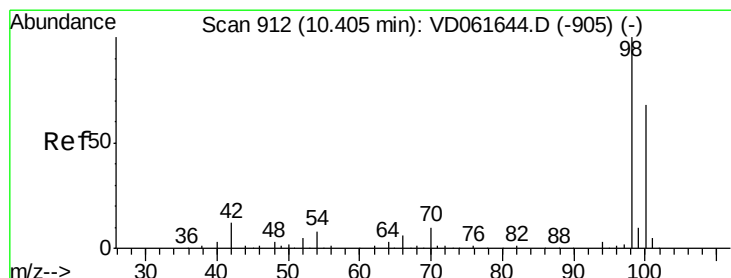
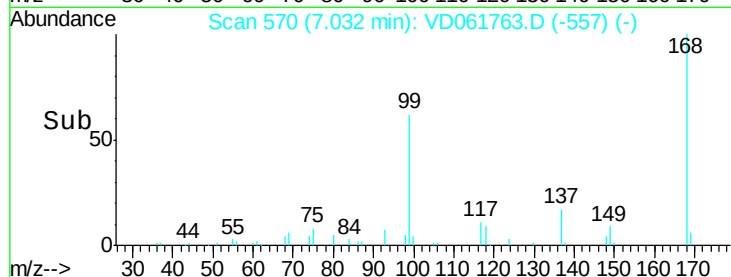
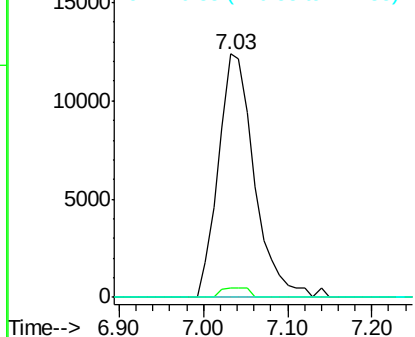
#38
Carbon Tetrachloride
Concen: 6.219 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 36953
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.7 37.1#

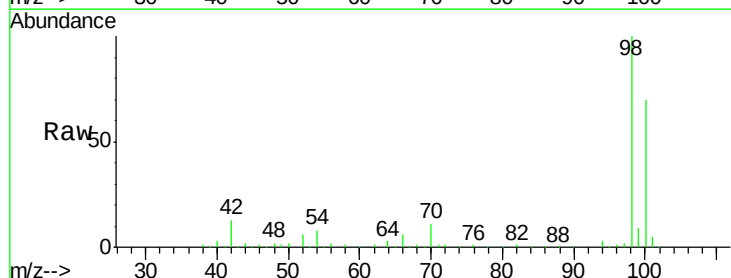


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

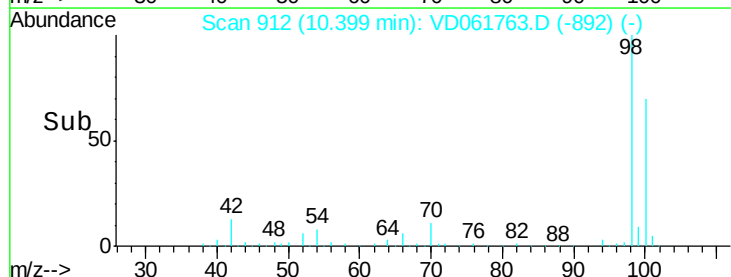
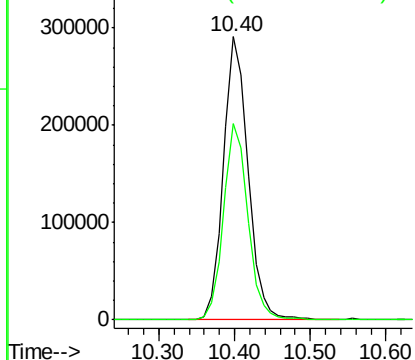


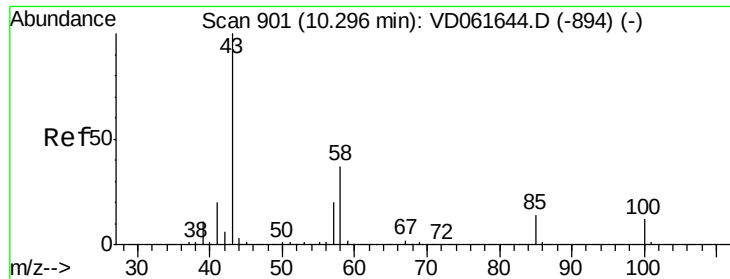
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Tgt Ion: 98 Resp: 659021
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.550 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD061763.D

Acq: 12 Apr 2019 4:15

Instrument :

MSVOA_D

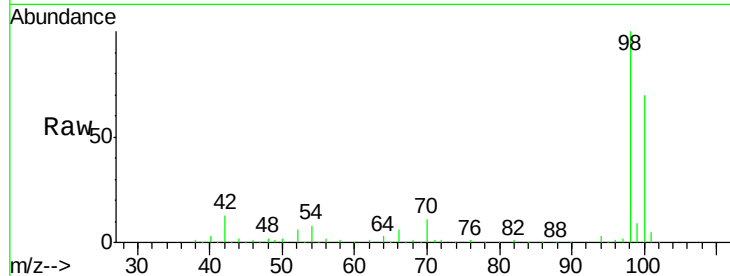
ClientSampleId :

Tot Ion: 43 Resp: 2748

Ion Ratio Lower Upper

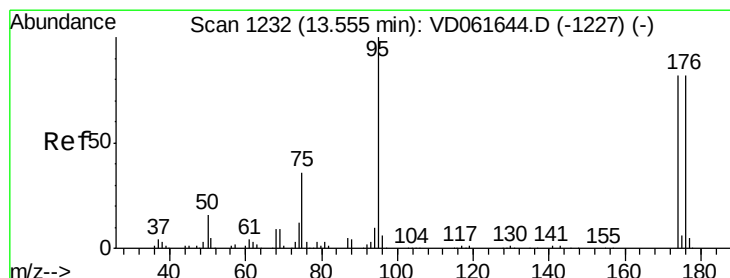
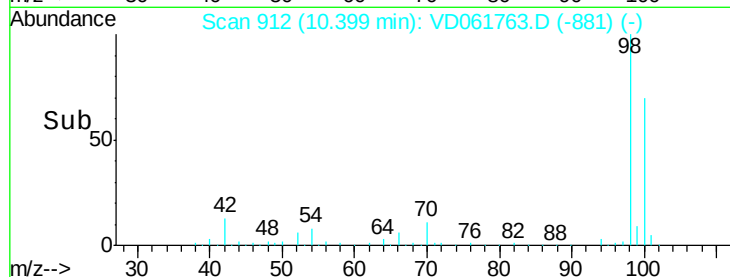
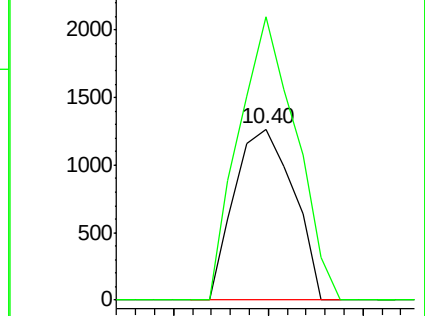
43 100

58 165.3 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD061763.D

Acq: 12 Apr 2019 4:15

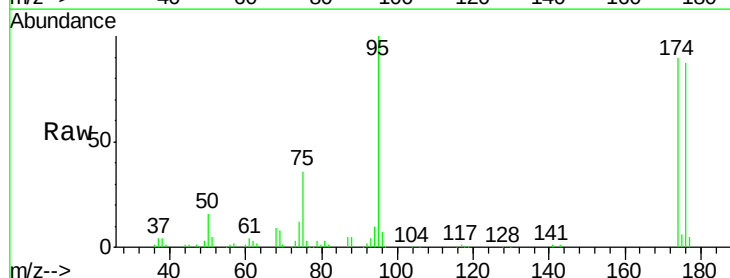
Tgt Ion: 95 Resp: 177838

Ion Ratio Lower Upper

95 100

174 89.6 0.0 164.6

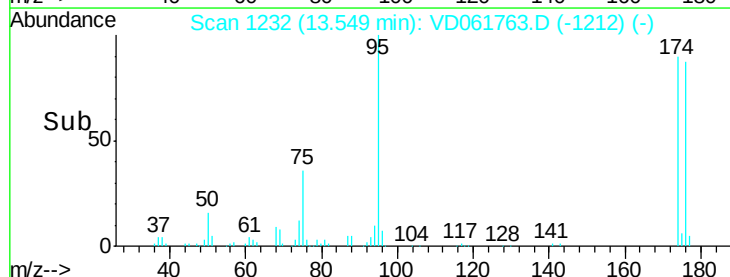
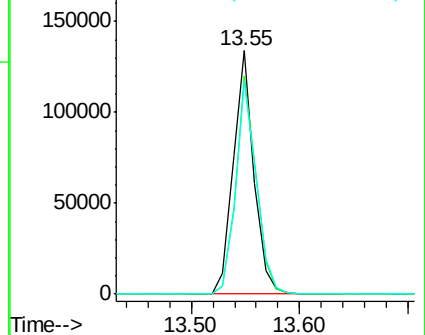
176 87.4 0.0 165.0

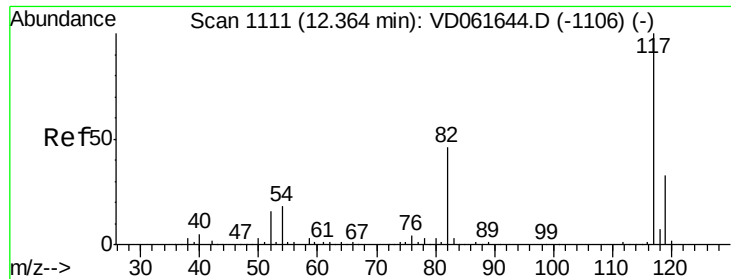


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

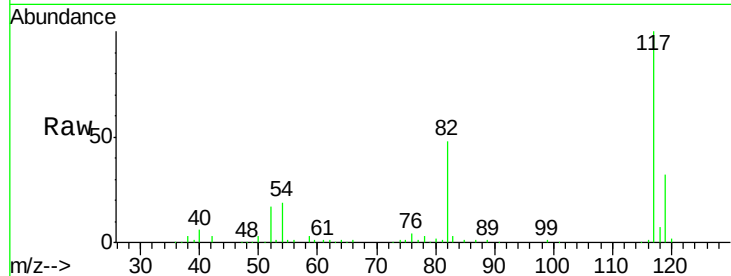




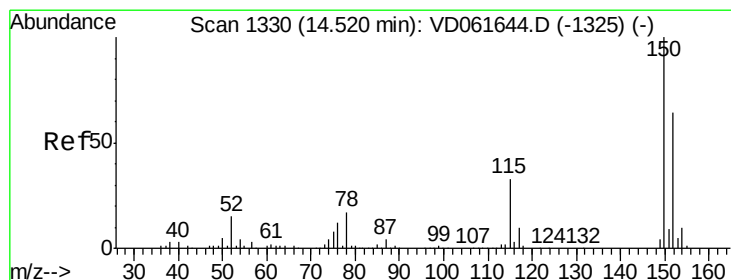
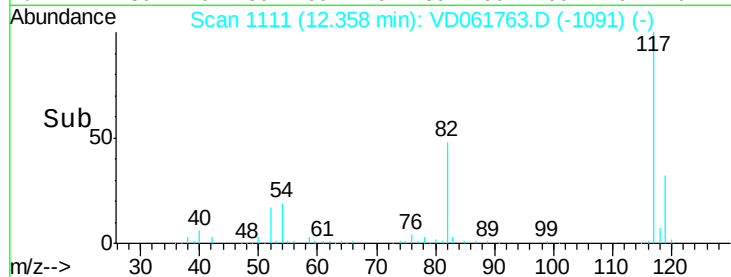
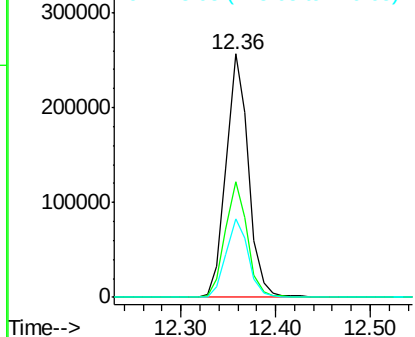
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 418477
Ion Ratio Lower Upper
117 100
82 47.7 36.8 55.2
119 32.3 26.1 39.1

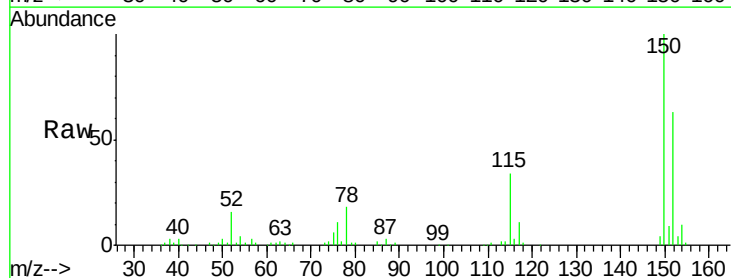


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

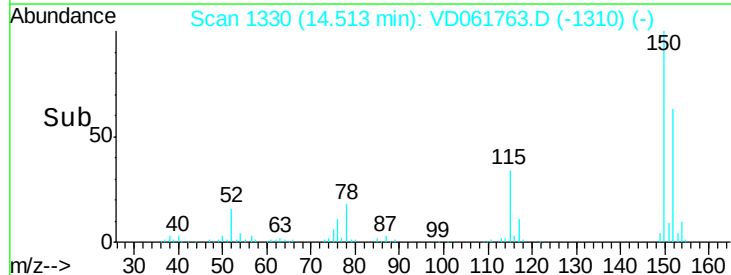
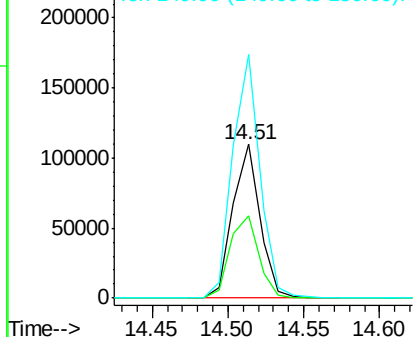


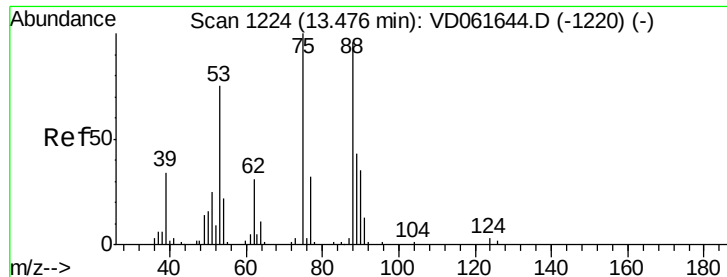
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061763.D
Acq: 12 Apr 2019 4:15

Tgt Ion:152 Resp: 136418
Ion Ratio Lower Upper
152 100
115 53.5 26.4 79.2
150 158.5 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: 118.230 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061763.D

Acq: 12 Apr 2019 4:15

Instrument :

MSVOA_D

ClientSampleId :

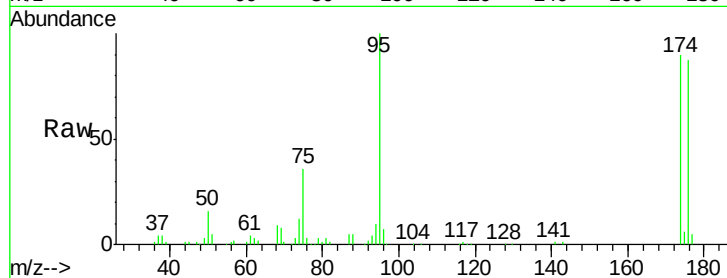
Tot Ion: 75 Resp: 66587

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

