

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\NOT REVIEWED DATA\
 Data File : VD061927.D
 Acq On : 20 Apr 2019 2:33
 Operator : VA/AP
 Sample : VD9419SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 04:20:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	509953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	862448	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	703766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	336143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	250909	58.71	ug/l	0.00
Spiked Amount			Recovery	=	117.42%	
35) Dibromofluoromethane	6.94	113	378723	58.12	ug/l	0.02
Spiked Amount			Recovery	=	116.24%	
50) Toluene-d8	10.42	98	786450	50.94	ug/l	0.02
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	13.56	95	318730	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

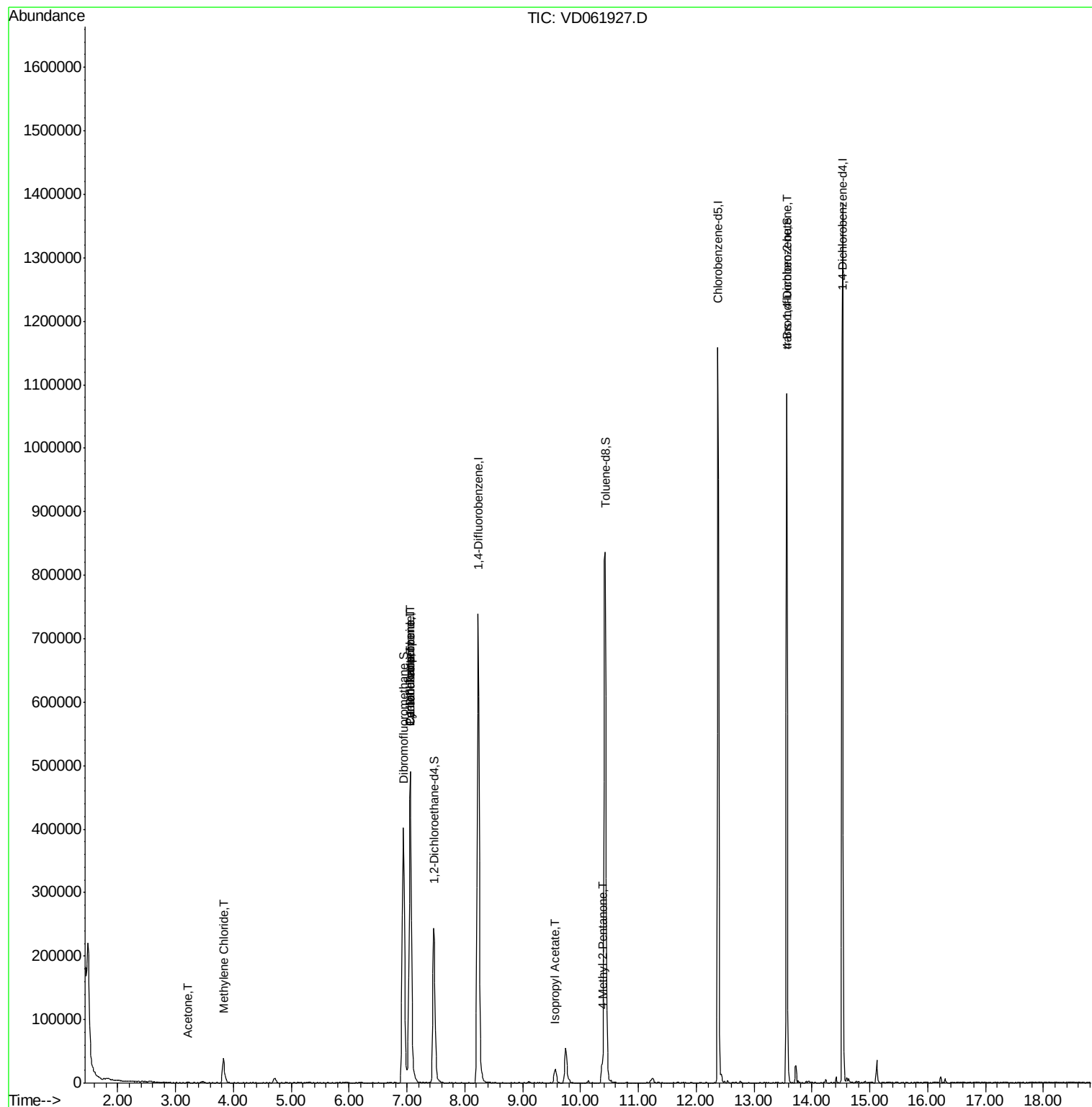
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	610	Below Cal	#	12
16) Acetone	3.22	43	2037	1.934	ug/l #	50
20) Methylene Chloride	3.83	84	30529	1.369	ug/l	93
31) Cyclohexane	7.06	56	9259	1.431	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	37756	5.357	ug/l #	48
38) Carbon Tetrachloride	7.06	117	49592	5.573	ug/l #	16
43) Isopropyl Acetate	9.56	43	17937	4.226	ug/l #	43
51) 4-Methyl-2-Pentanone	10.37	43	4075	1.570	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.56	75	119749	81.453	ug/l #	16

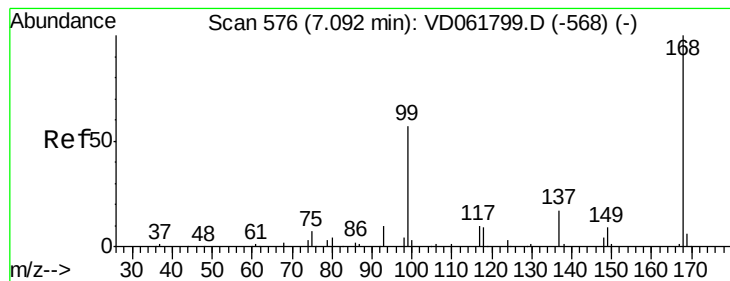
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041919\NOT REVIEWED DATA\
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ClientSampleId :

Quant Time: Apr 20 04:20:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

Instrument :

MSVOA_D

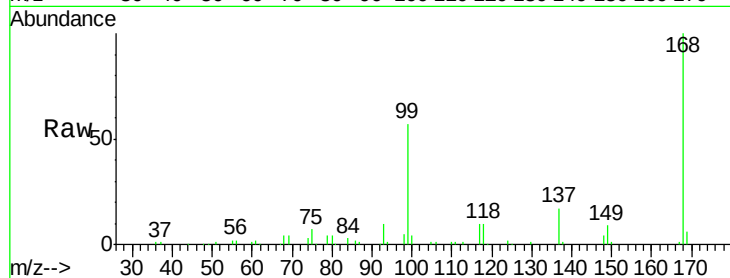
ClientSampleId :

Tot Ion:168 Resp: 509953

Ion Ratio Lower Upper

168 100

99 56.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

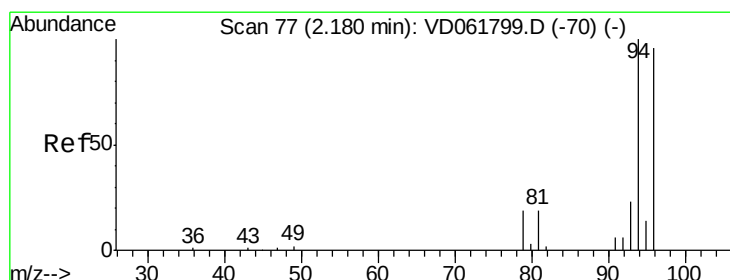
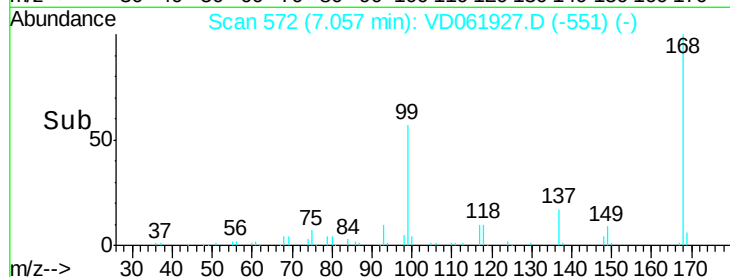
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

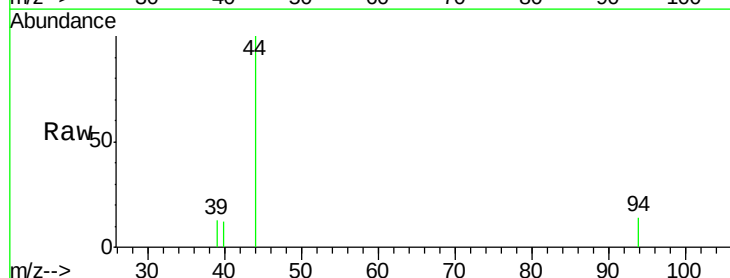
Tgt Ion: 94 Resp: 610

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.18

400

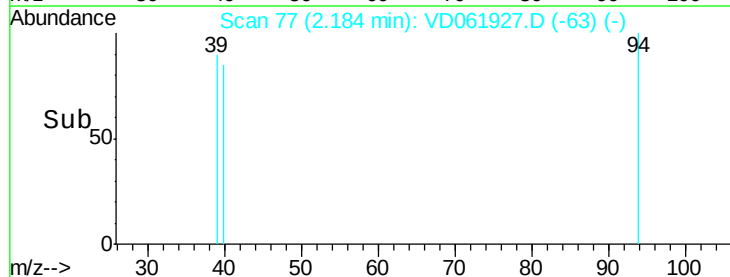
300

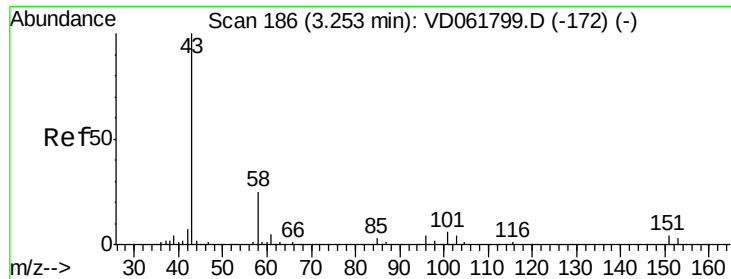
200

100

0

Time-->





#16

Acetone

Concen: 1.934 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

Instrument :

MSVOA_D

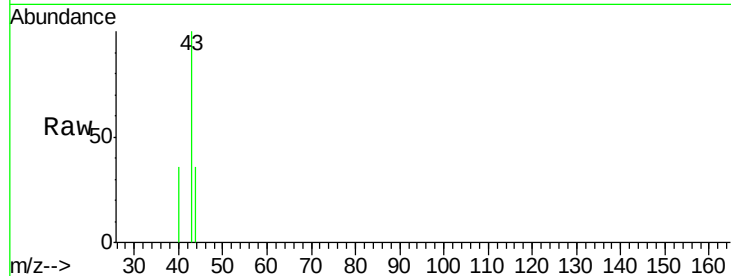
ClientSampleId :

Tot Ion: 43 Resp: 2037

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

800

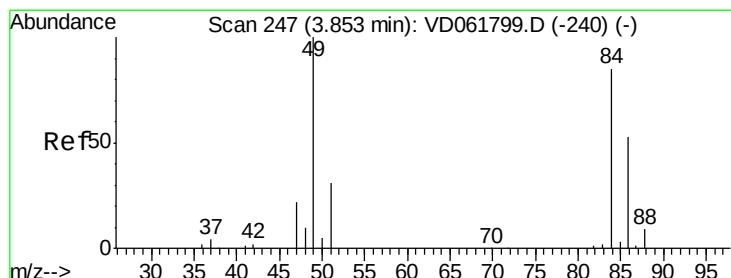
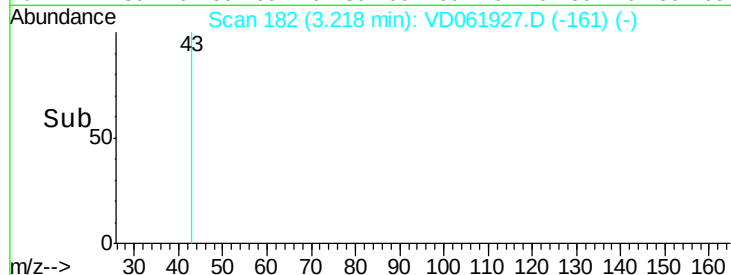
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.369 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

Tgt Ion: 84 Resp: 30529

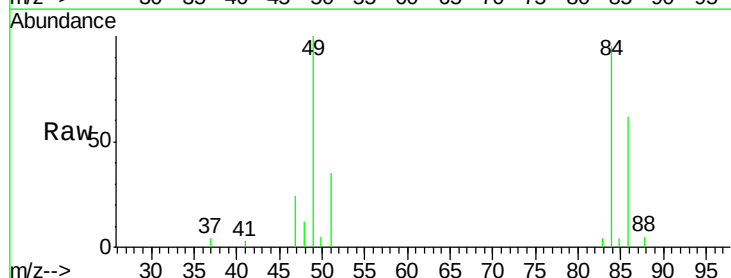
Ion Ratio Lower Upper

84 100

49 105.0 94.0 141.0

51 36.7 29.0 43.4

86 65.1 49.8 74.6



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

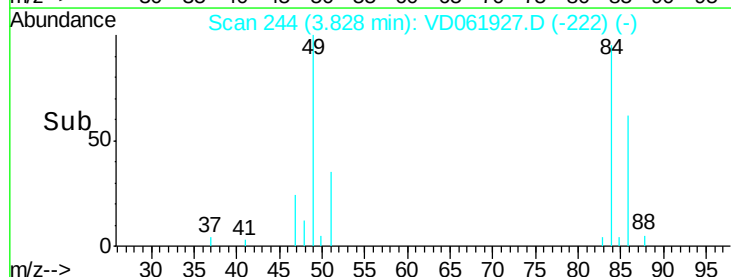
15000

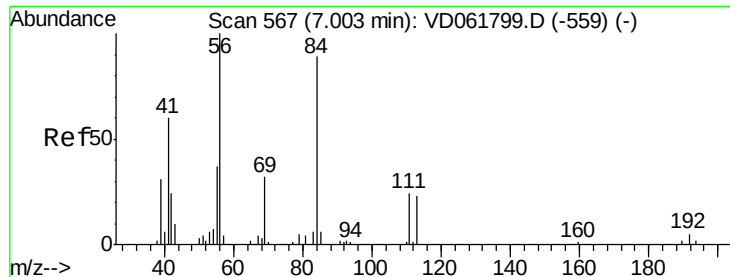
10000

5000

0

Time-->

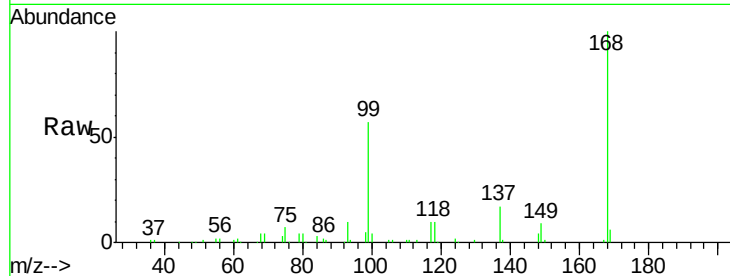




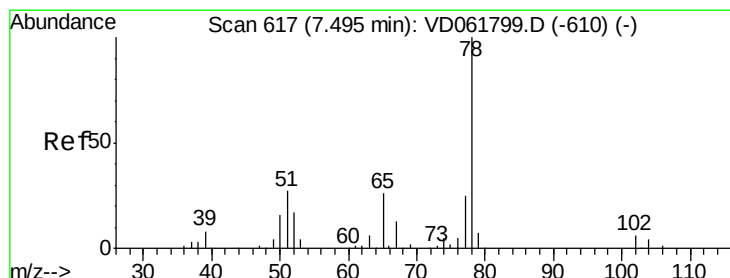
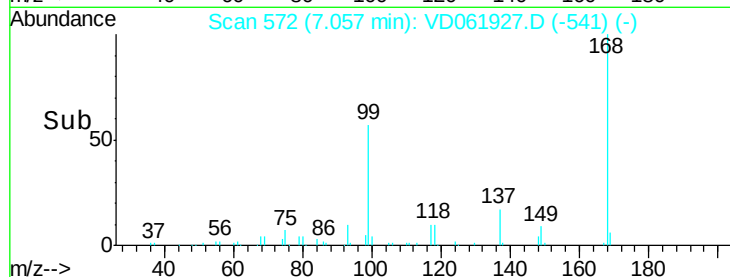
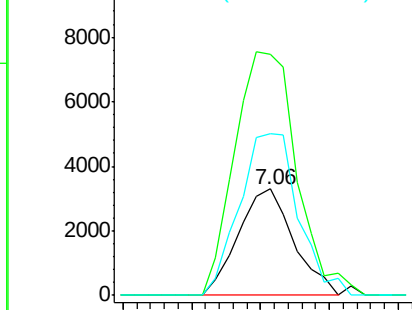
#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061927.D
Acq: 20 Apr 2019 2:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9259
Ion Ratio Lower Upper
56 100
69 226.4 25.8 38.6#
84 152.7 72.2 108.4#

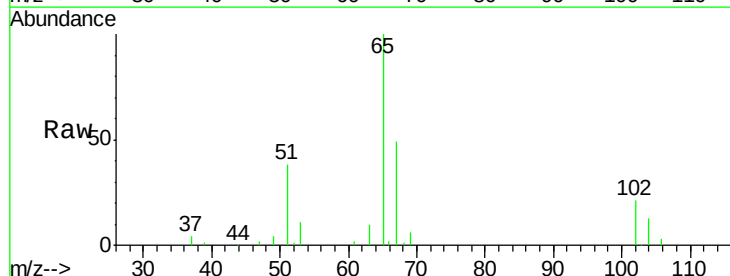


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

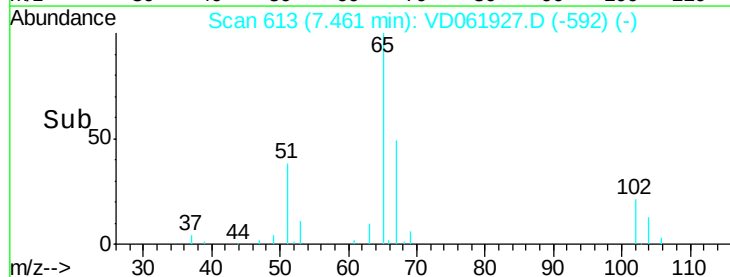
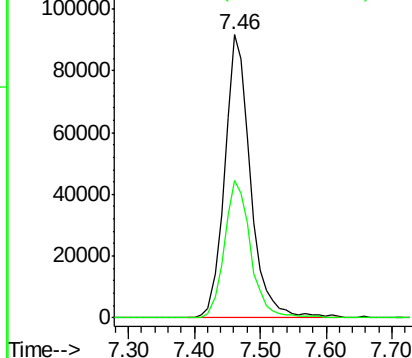


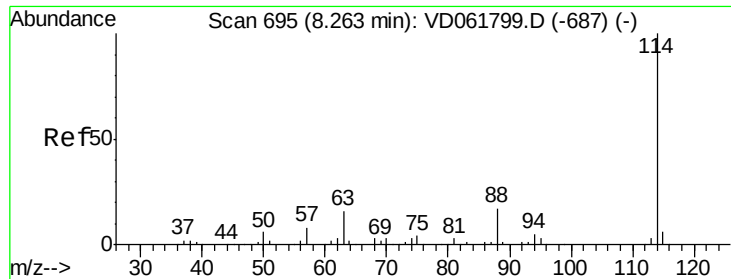
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061927.D
Acq: 20 Apr 2019 2:33

Tgt Ion: 65 Resp: 250909
Ion Ratio Lower Upper
65 100
67 48.5 0.0 98.0



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

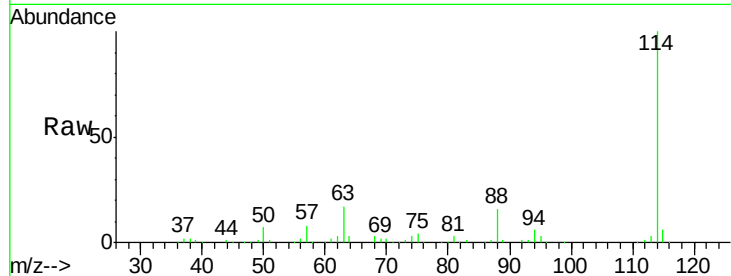




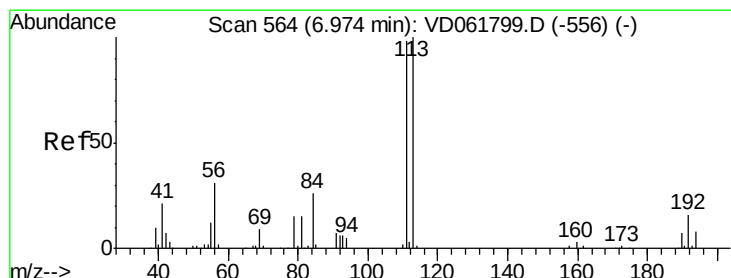
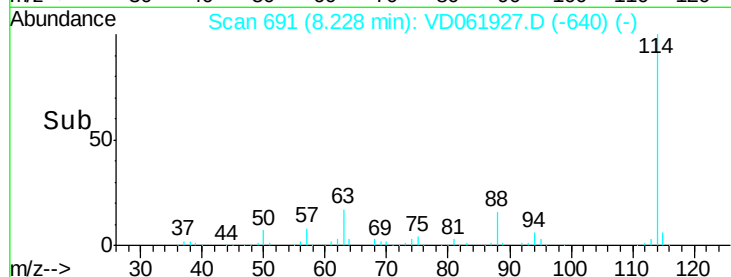
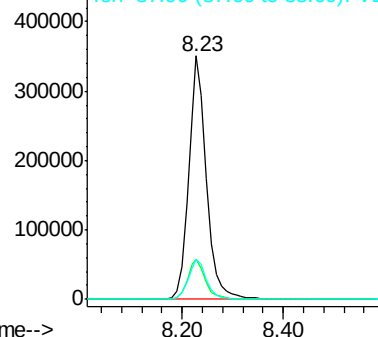
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061927.D
 Acq: 20 Apr 2019 2:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 862448
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 16.3 0.0 33.6

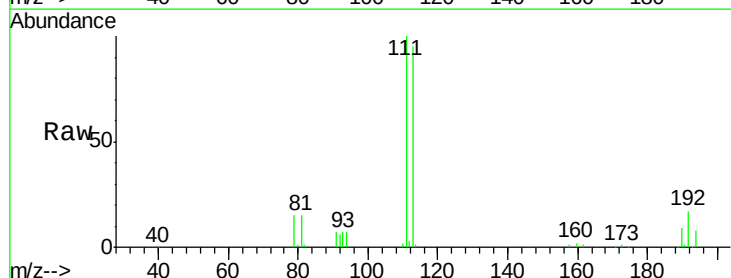


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

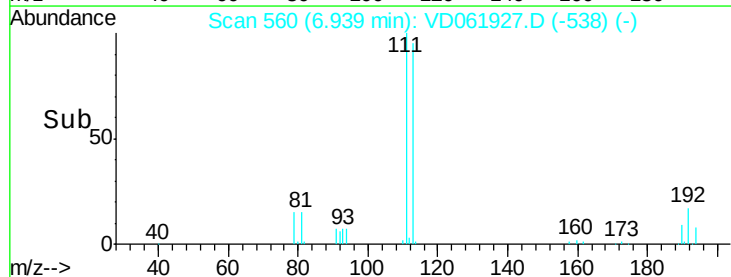
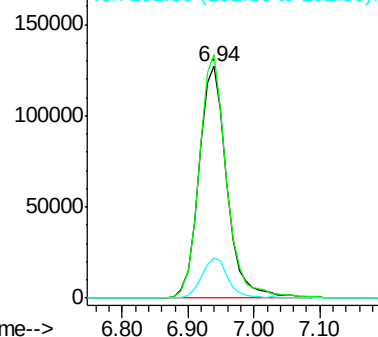


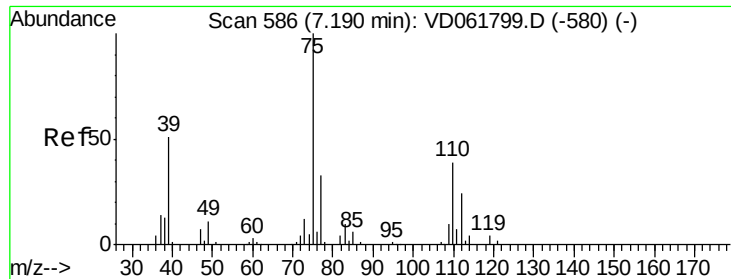
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061927.D
 Acq: 20 Apr 2019 2:33

Tgt Ion:113 Resp: 378723
 Ion Ratio Lower Upper
 113 100
 111 105.2 78.5 117.7
 192 17.5 13.0 19.4



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

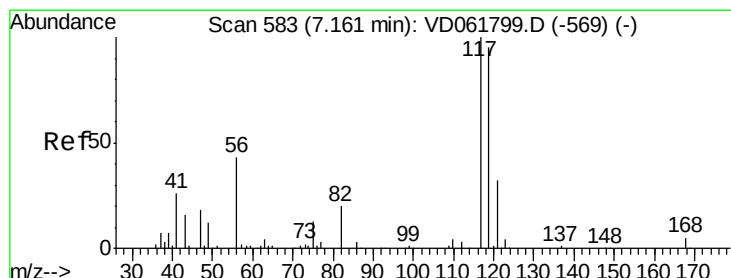
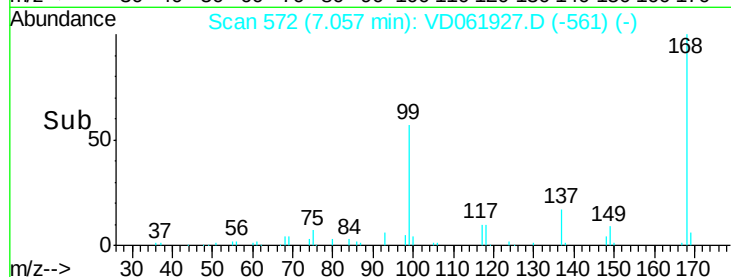
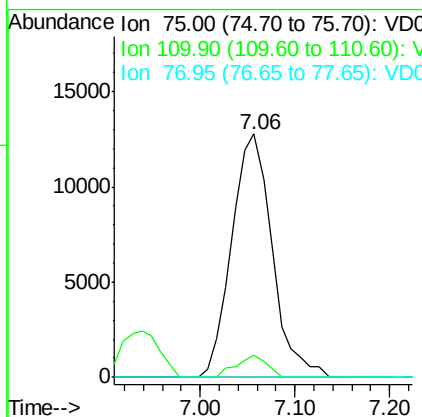
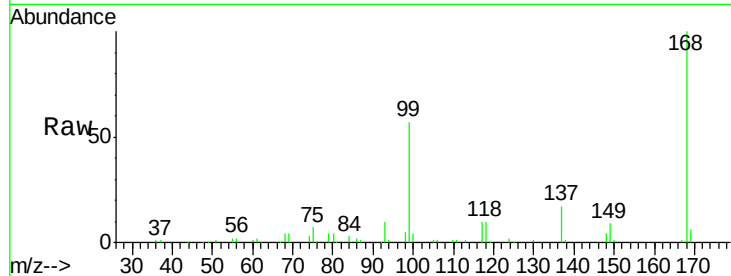




#36
 1,1-Dichloropropene
 Concen: 5.357 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061927.D
 Acq: 20 Apr 2019 2:33

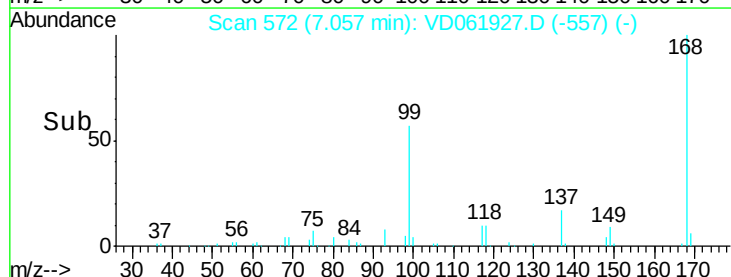
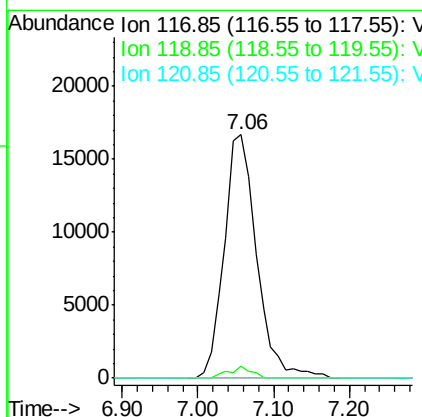
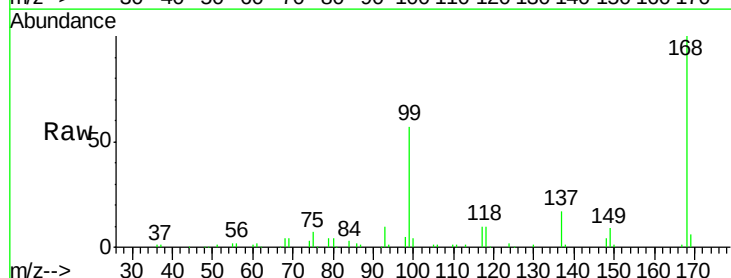
Instrument :
 MSVOA_D
 ClientSampleId :

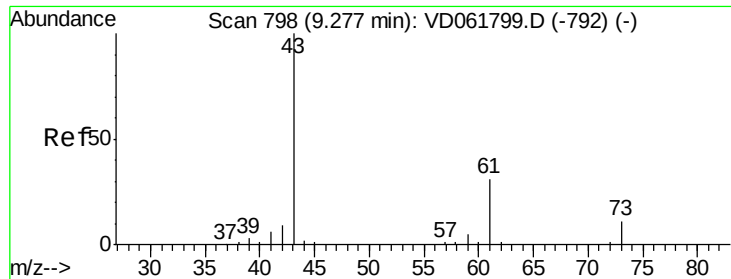
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.573 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.05 min
 Lab File: VD061927.D
 Acq: 20 Apr 2019 2:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.8#
121	0.0	25.9	38.9#





#43

Isopropyl Acetate

Concen: 4.226 ug/l

RT: 9.56 min Scan# 826

Delta R.T. 0.32 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

Instrument :

MSVOA_D

ClientSampleId :

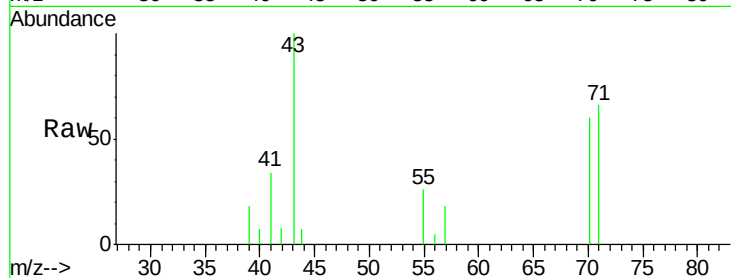
Tot Ion: 43 Resp: 17937

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

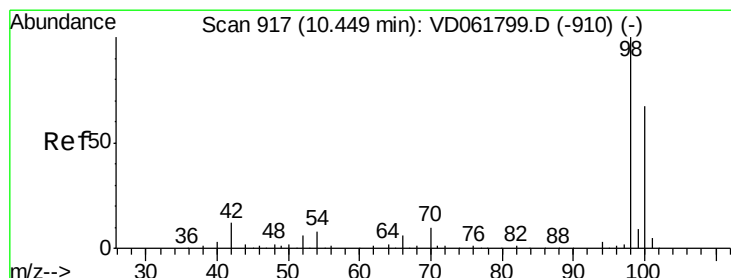
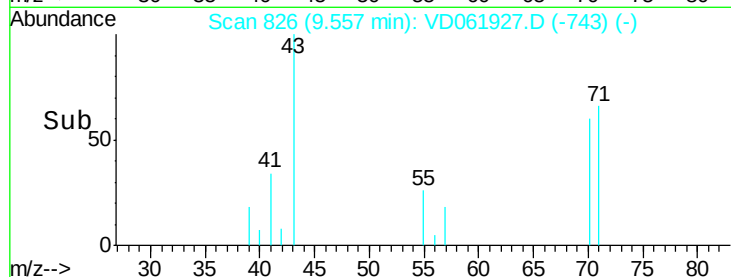
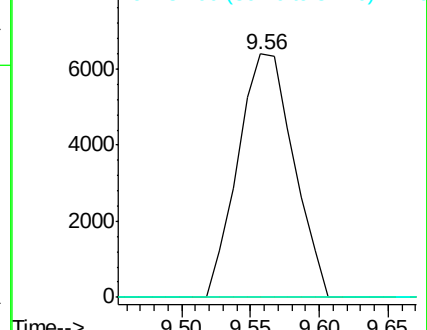
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061927.D

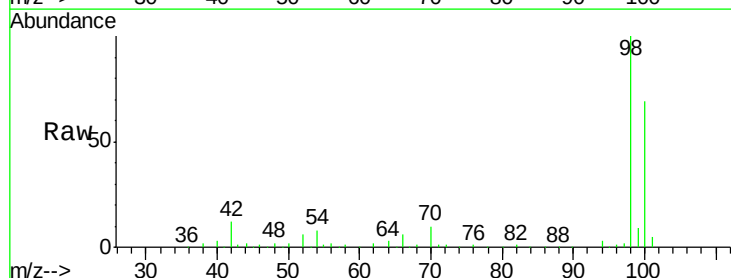
Acq: 20 Apr 2019 2:33

Tgt Ion: 98 Resp: 786450

Ion Ratio Lower Upper

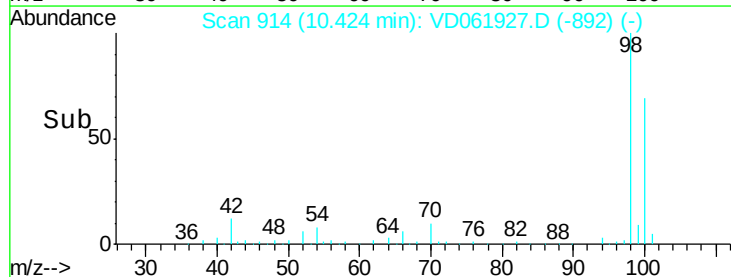
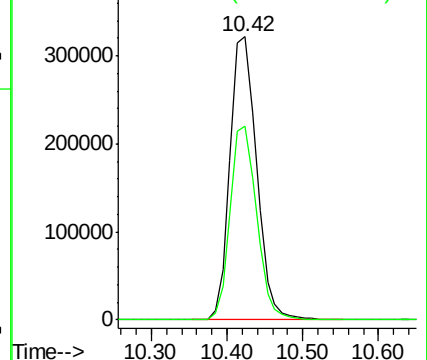
98 100

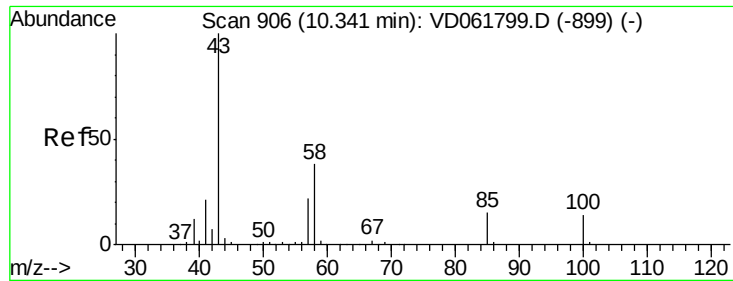
100 68.6 53.8 80.8



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: 1.570 ug/l

RT: 10.37 min Scan# 909

Delta R.T. 0.07 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

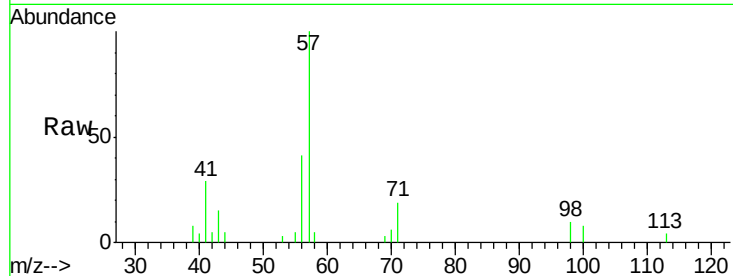
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4075

Ion Ratio Lower Upper

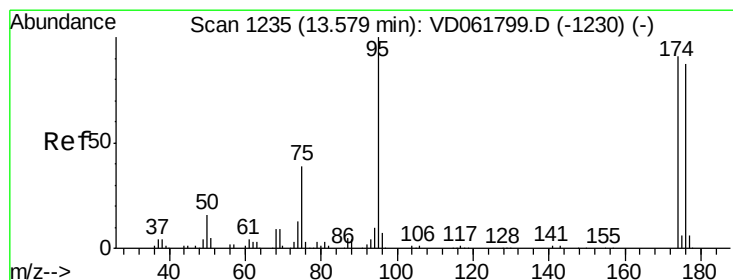
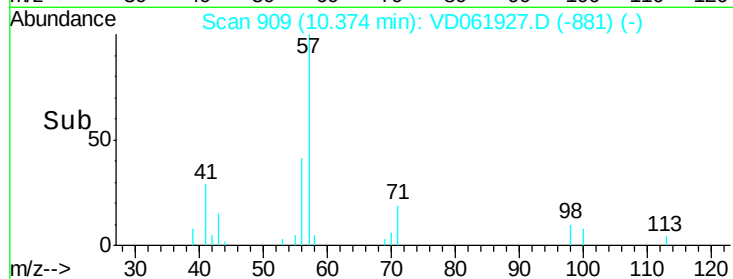
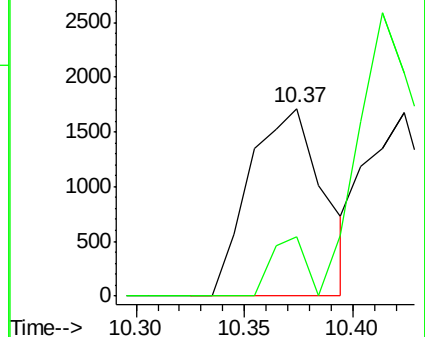
43 100

58 31.9 30.4 45.6



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

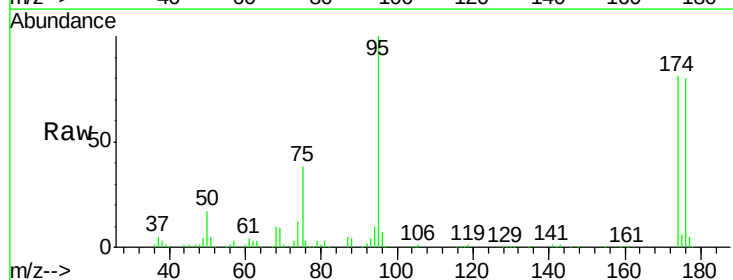
Tgt Ion: 95 Resp: 318730

Ion Ratio Lower Upper

95 100

174 81.1 0.0 181.8

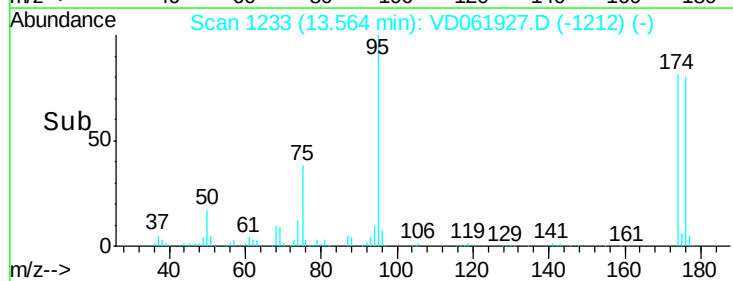
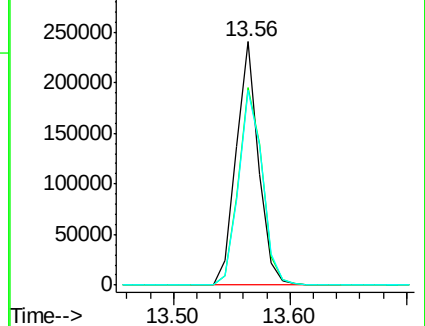
176 79.9 0.0 174.4

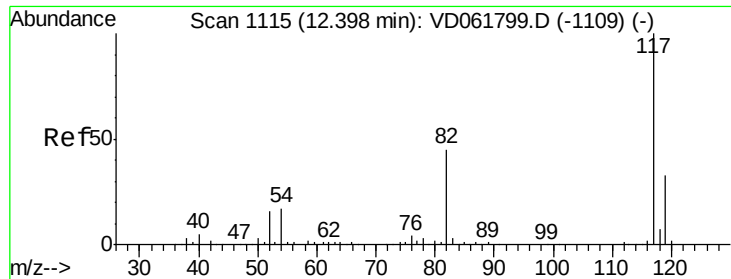


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

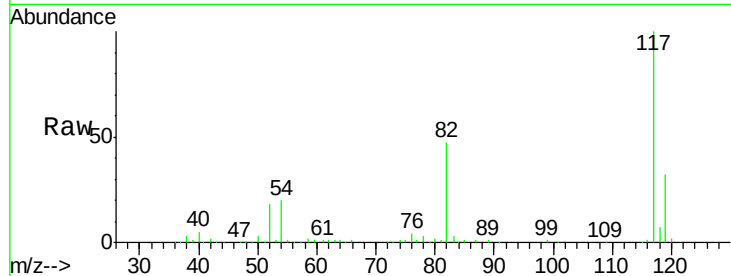




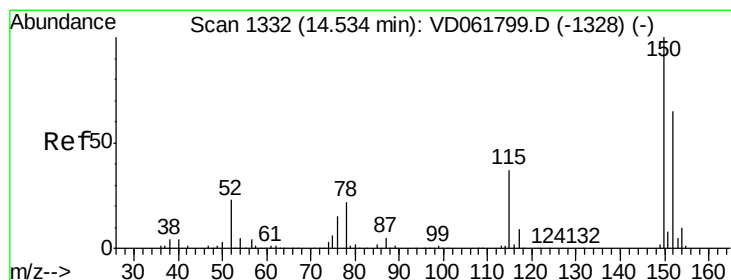
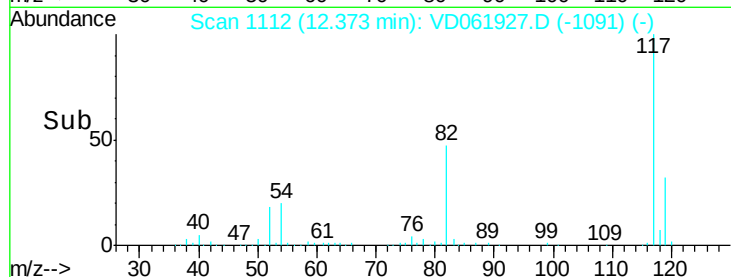
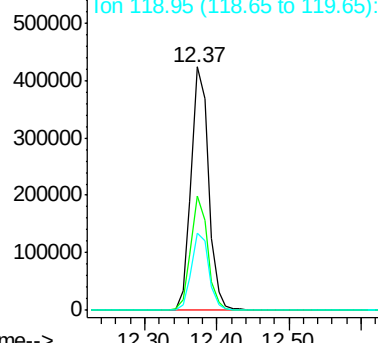
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061927.D
Acq: 20 Apr 2019 2:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 703766
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 31.7 26.2 39.4

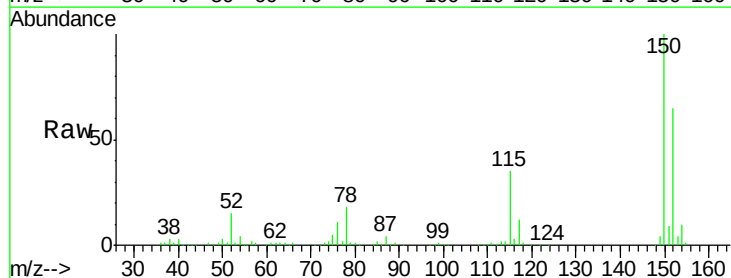


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

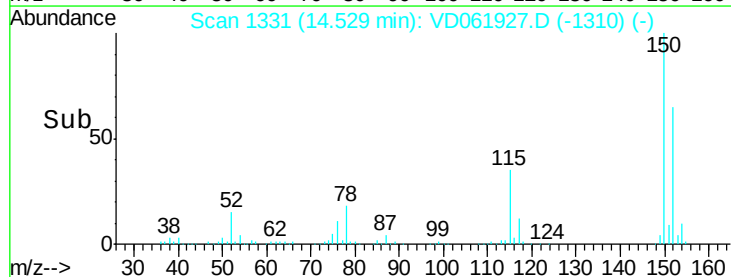
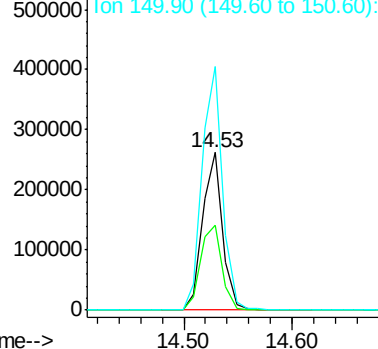


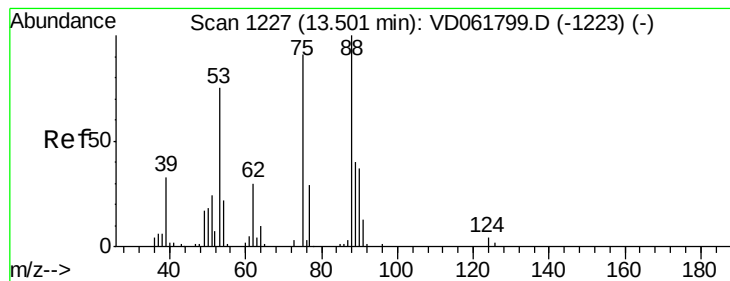
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061927.D
Acq: 20 Apr 2019 2:33

Tgt Ion:152 Resp: 336143
Ion Ratio Lower Upper
152 100
115 53.8 30.9 92.7
150 154.4 0.0 314.8



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: 81.453 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061927.D

Acq: 20 Apr 2019 2:33

Instrument :

MSVOA_D

ClientSampleId :

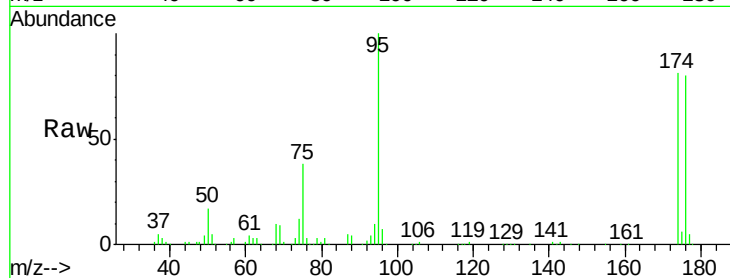
Tot Ion: 75 Resp: 119749

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

