

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
 Data File : VD060748.D
 Acq On : 28 Dec 2018 16:04
 Operator : VA/AP
 Sample : J6193-13
 Misc : 6.30g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-122718-B

Quant Time: Dec 28 22:02:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1457096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2064563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1544059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	661258	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	472976	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	6.33	113	665984	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
50) Toluene-d8	9.46	98	1816990	40.30	ug/l	0.00
Spiked Amount			Recovery	=	80.60%	
62) 4-Bromofluorobenzene	12.42	95	552530	34.99	ug/l	0.00
Spiked Amount			Recovery	=	69.98%	

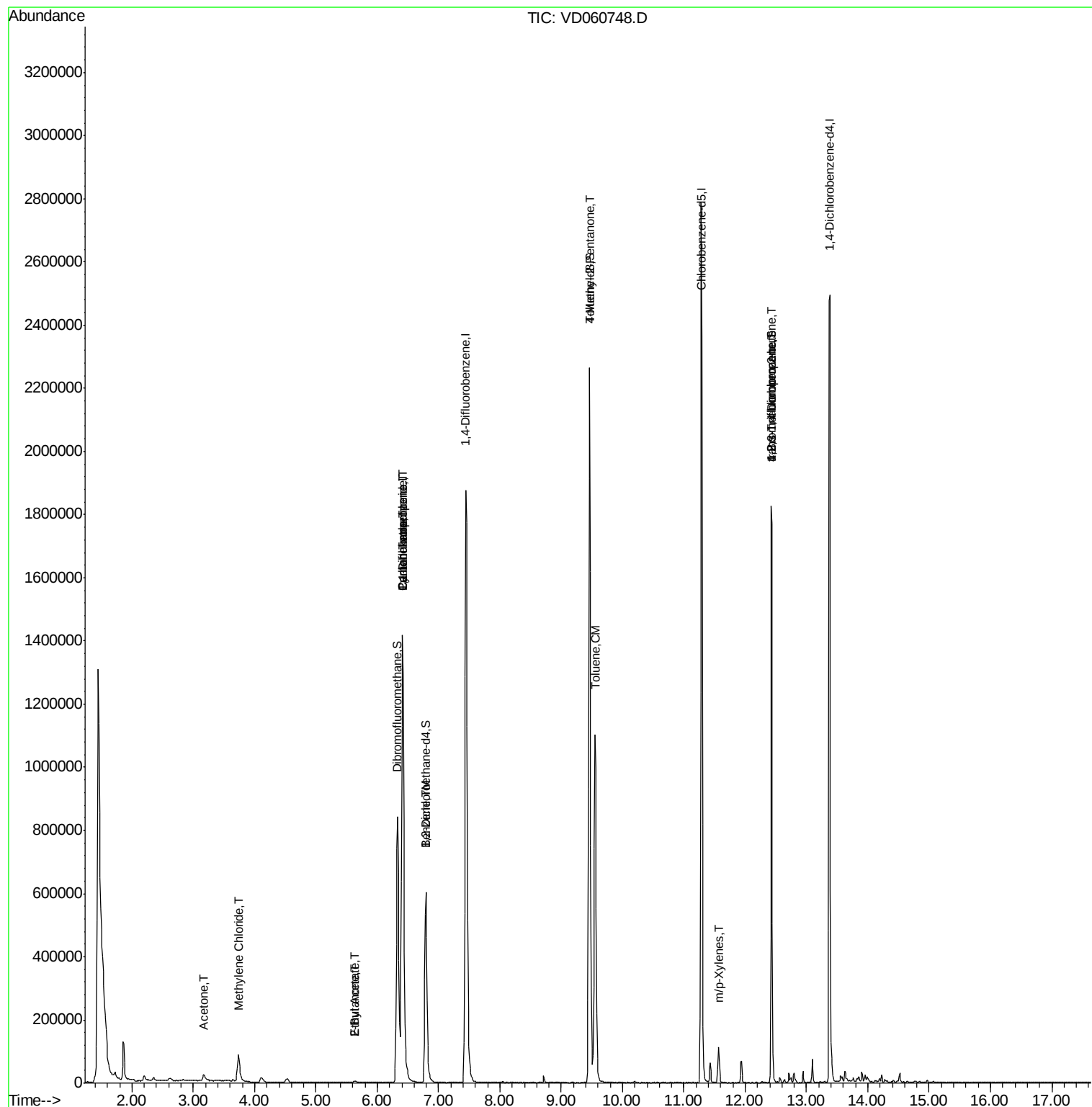
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.16	43	37556	21.357	ug/l	93
20) Methylene Chloride	3.73	84	52875	2.895	ug/l	90
25) 2-Butanone	5.63	43	8900	2.645	ug/l	97
31) Cyclohexane	6.41	56	29125	1.145	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	101562	4.777	ug/l #	47
37) Ethyl Acetate	5.63	43	8900	1.001	ug/l #	69
38) Carbon Tetrachloride	6.41	117	108537	5.787	ug/l #	16
40) Benzene	6.80	78	63374	1.154	ug/l	96
51) 4-Methyl-2-Pentanone	9.46	43	9390	1.343	ug/l #	1
52) Toluene	9.55	92	585551	17.009	ug/l	97
68) m/p-Xylenes	11.57	106	35966	1.685	ug/l	96
76) 1,2,3-Trichloropropane	12.42	75	196721	26.131	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	227239	109.236	ug/l #	13

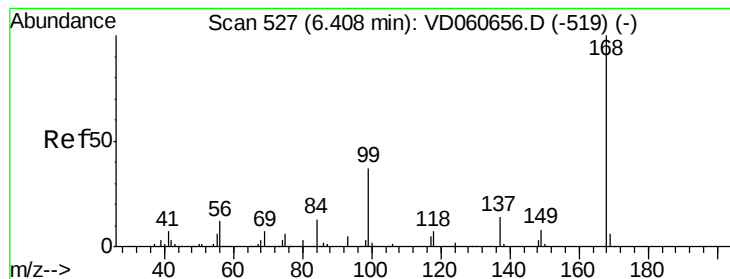
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

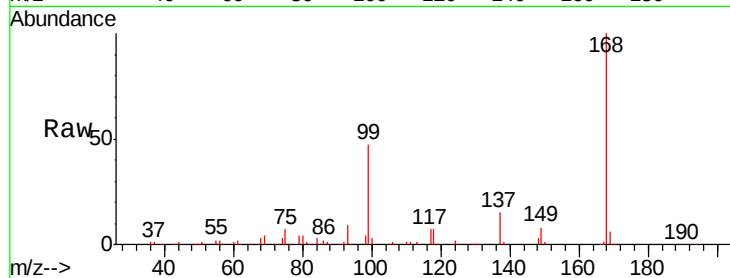
CL-02-122718-B

Tgt Ion:168 Resp: 1457096

Ion Ratio Lower Upper

168 100

99 46.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

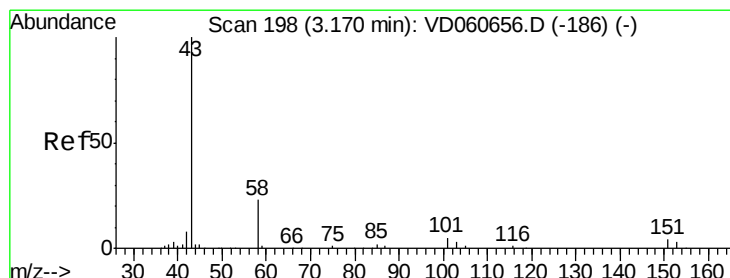
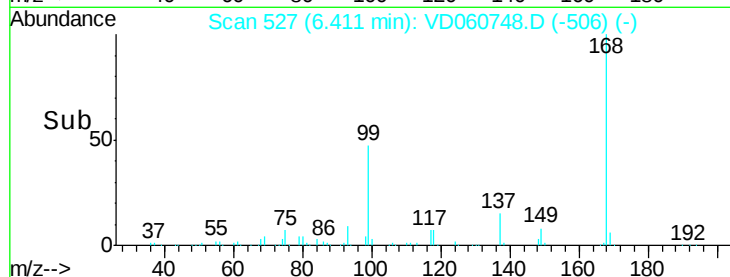
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 21.357 ug/l

RT: 3.16 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD060748.D

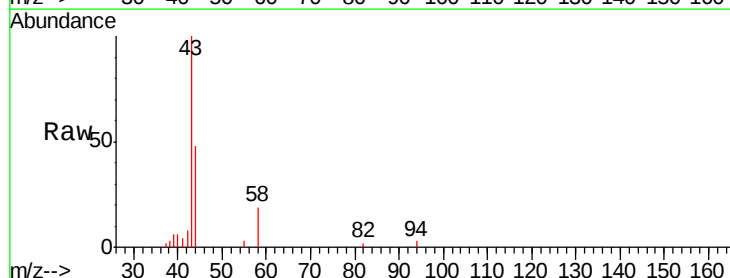
Acq: 28 Dec 2018 16:04

Tgt Ion: 43 Resp: 37556

Ion Ratio Lower Upper

43 100

58 19.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

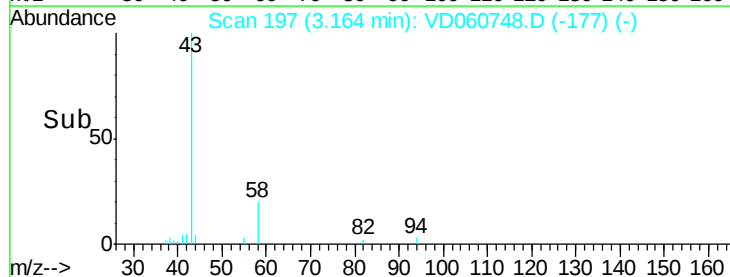
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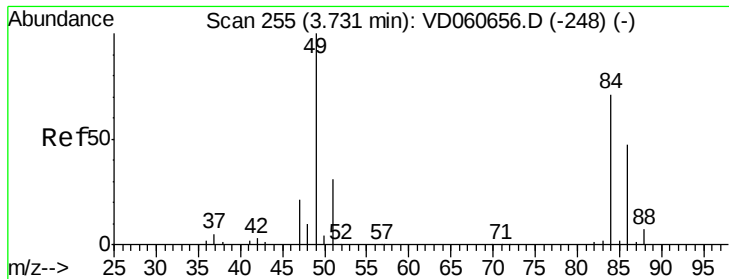
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0

Time-->

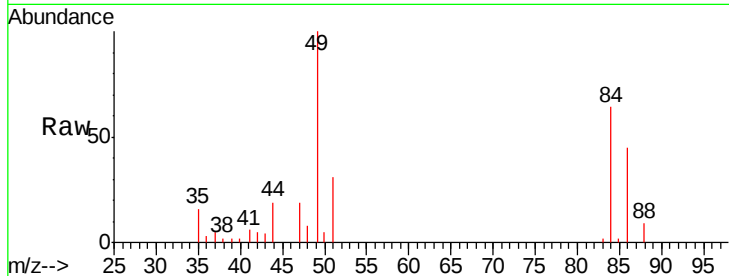




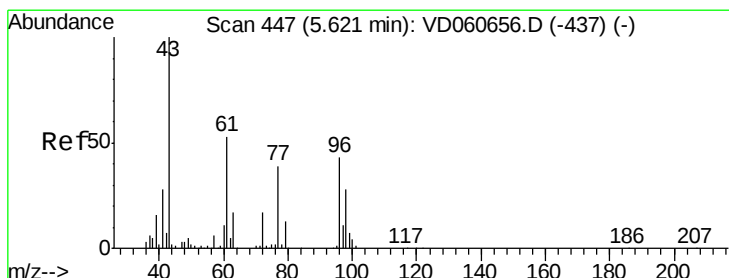
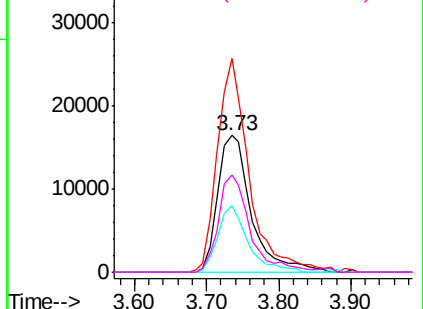
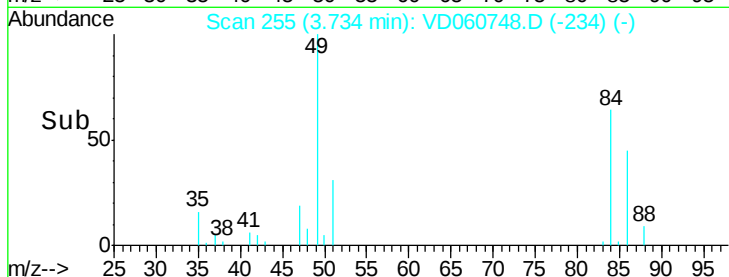
#20
Methylene Chloride
Concen: 2.895 ug/l
RT: 3.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD060748.D
Acq: 28 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-B

Tgt Ion: 84 Resp: 52875
Ion Ratio Lower Upper
84 100
49 156.2 113.6 170.4
51 48.8 34.7 52.1
86 70.8 52.8 79.2

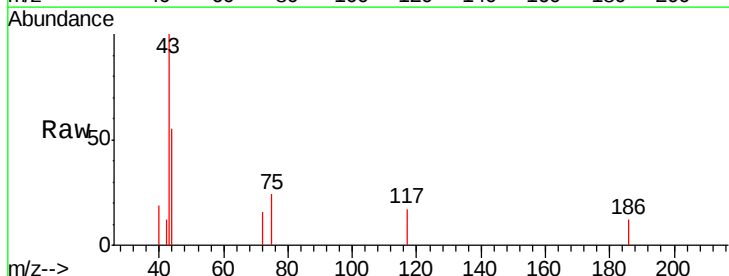


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

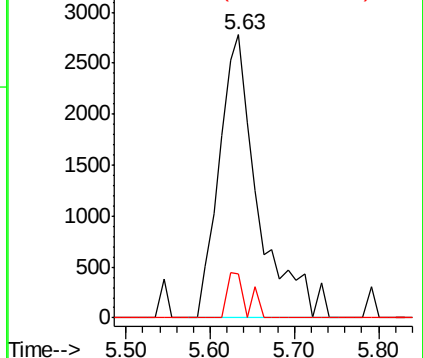
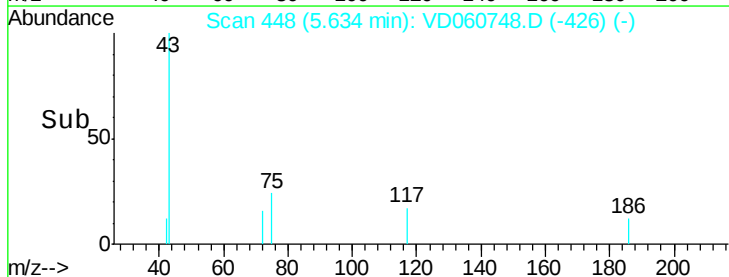


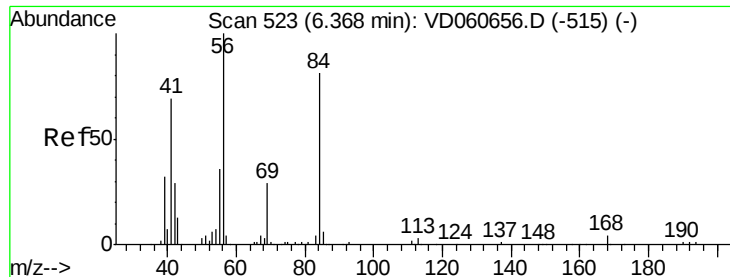
#25
2-Butanone
Concen: 2.645 ug/l
RT: 5.63 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060748.D
Acq: 28 Dec 2018 16:04

Tgt Ion: 43 Resp: 8900
Ion Ratio Lower Upper
43 100
72 15.8 13.7 20.5



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

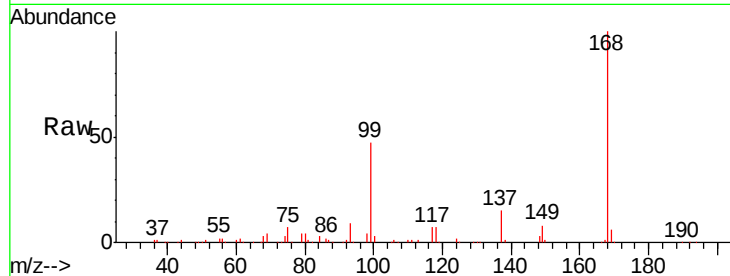




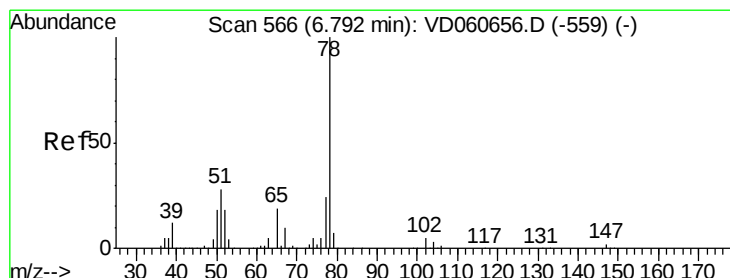
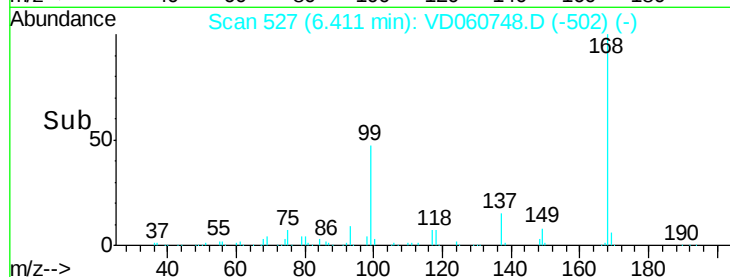
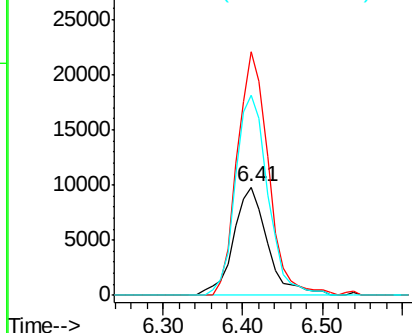
#31
Cyclohexane
Concen: 1.145 ug/l
RT: 6.41 min Scan# 527
Delta R.T. 0.04 min
Lab File: VD060748.D
Acq: 28 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-B

Tgt Ion: 56 Resp: 29125
Ion Ratio Lower Upper
56 100
69 225.3 23.6 35.4#
84 185.6 65.8 98.6#

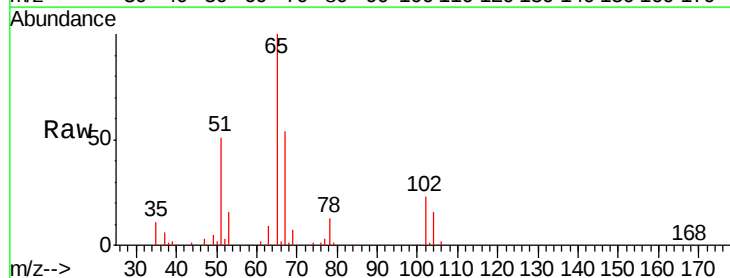


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

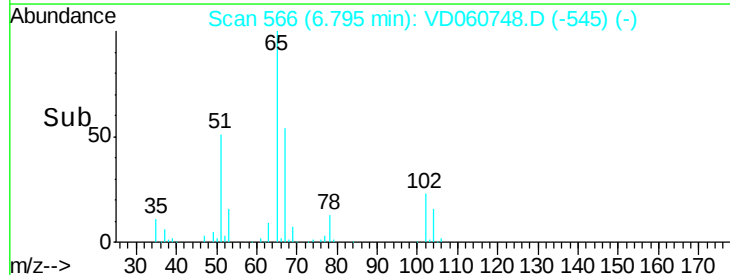
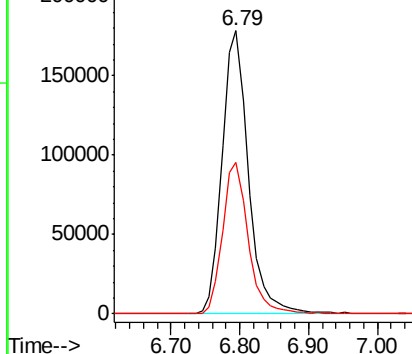


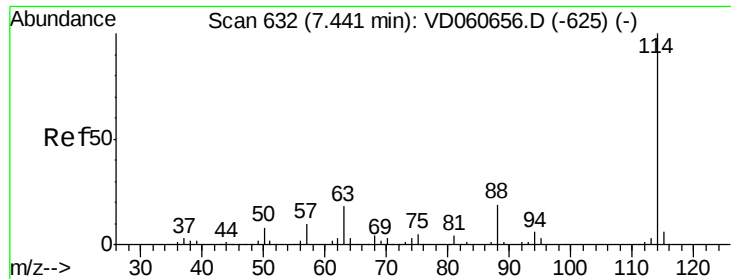
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD060748.D
Acq: 28 Dec 2018 16:04

Tgt Ion: 65 Resp: 472976
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.4



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

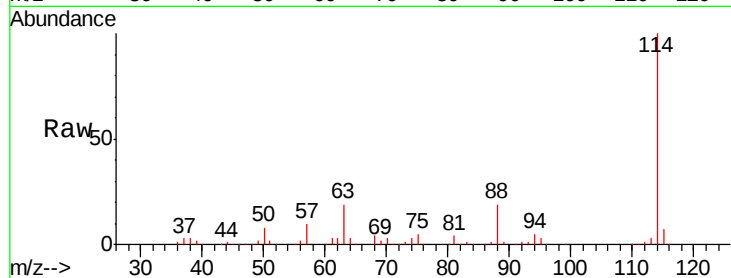




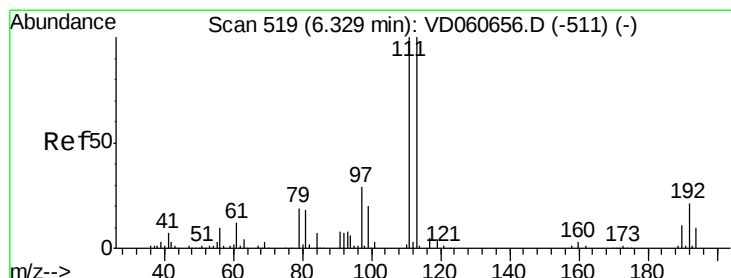
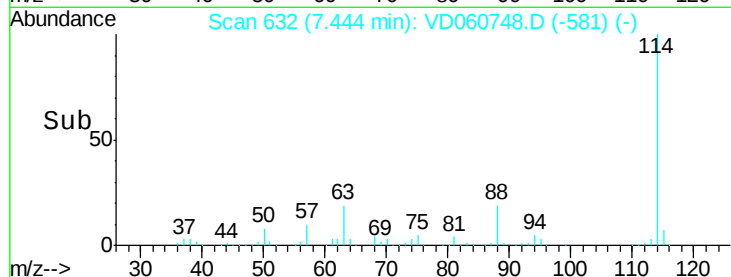
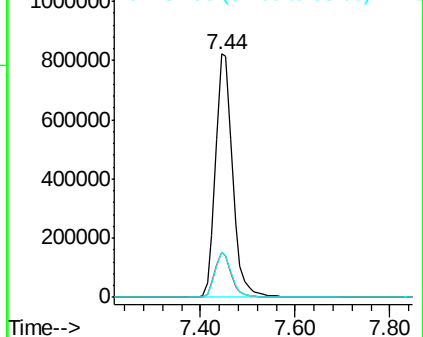
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VD060748.D
 Acq: 28 Dec 2018 16:04

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-122718-B

Tgt Ion:114 Resp: 2064563
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 18.5 0.0 37.0

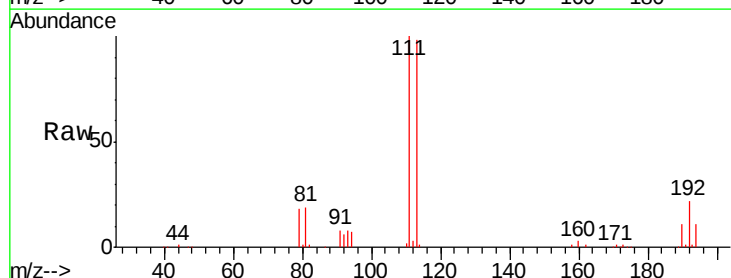


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

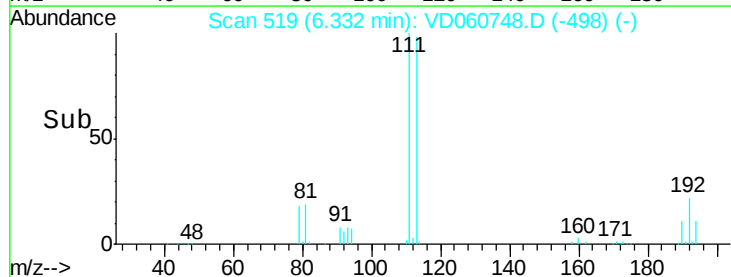
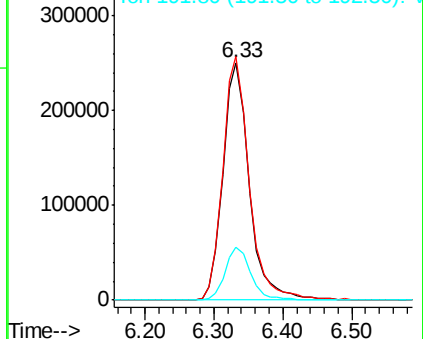


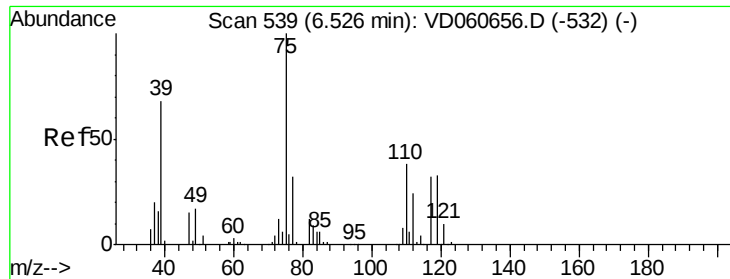
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VD060748.D
 Acq: 28 Dec 2018 16:04

Tgt Ion:113 Resp: 665984
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.0 120.0
 192 22.1 16.6 25.0



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

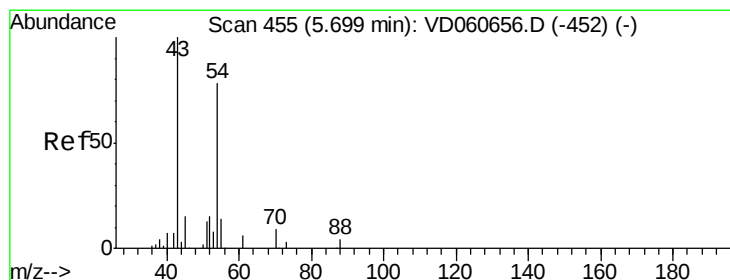
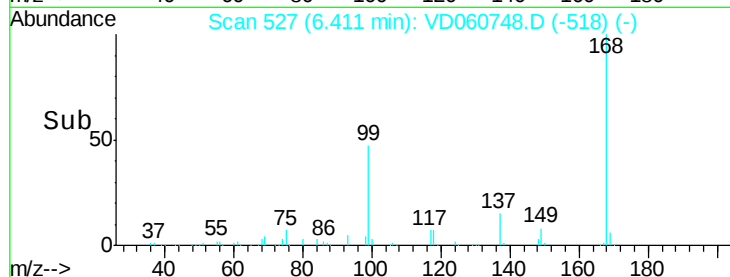
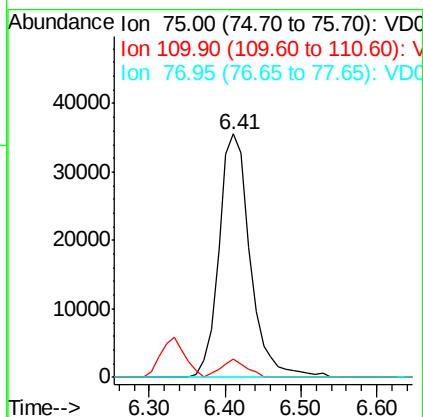
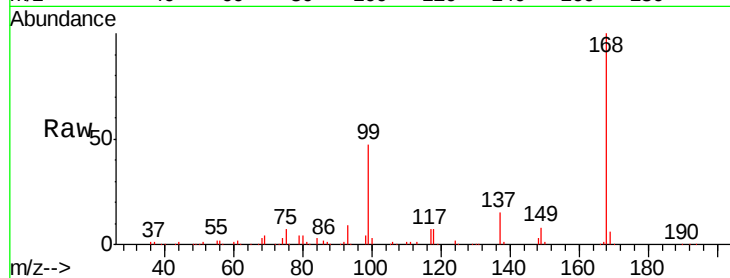




#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 6.41 min Scan# 527
 Delta R.T. -0.11 min
 Lab File: VD060748.D
 Acq: 28 Dec 2018 16:04

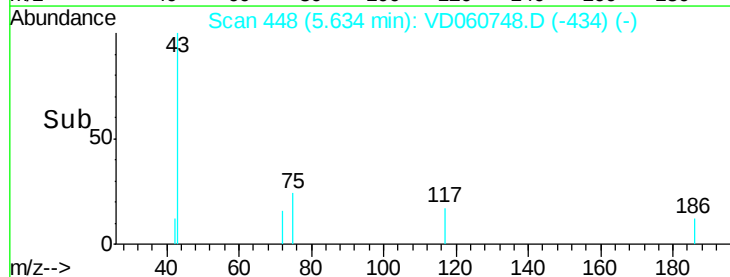
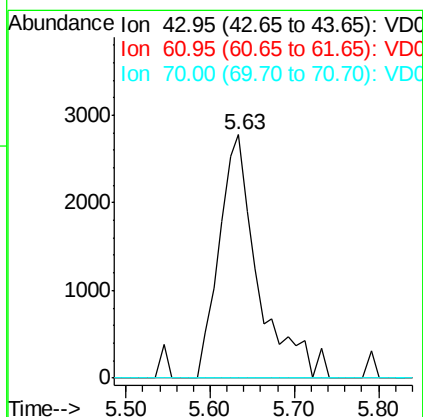
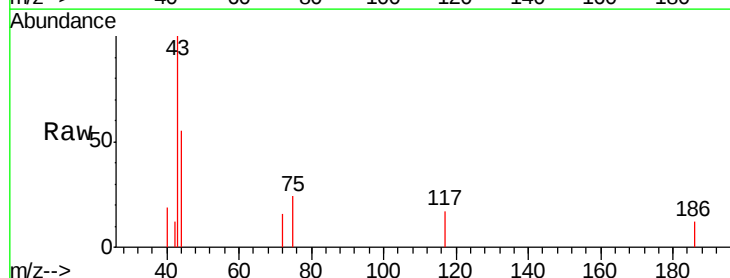
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-122718-B

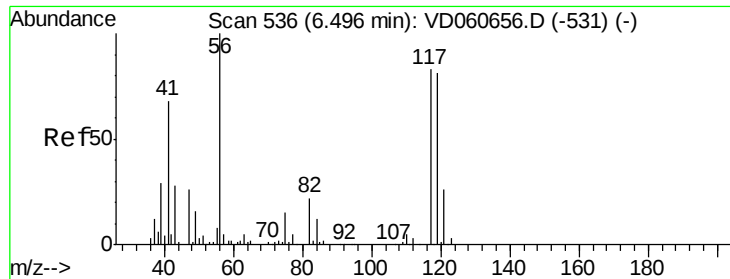
Tgt Ion: 75 Resp: 101562
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.9 56.7#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 1.001 ug/l
 RT: 5.63 min Scan# 448
 Delta R.T. -0.07 min
 Lab File: VD060748.D
 Acq: 28 Dec 2018 16:04

Tgt Ion: 43 Resp: 8900
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 5.8 8.6#





#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.09 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

CL-02-122718-B

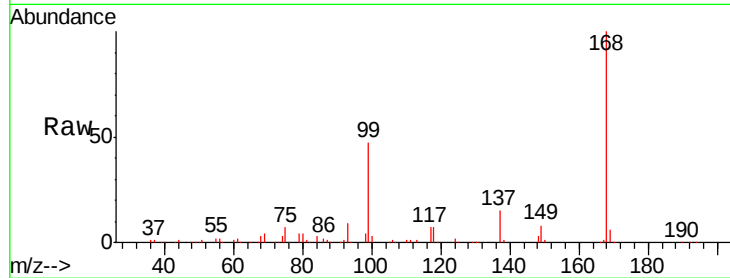
Tgt Ion:117 Resp: 108537

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.4#

121 0.0 24.7 37.1#



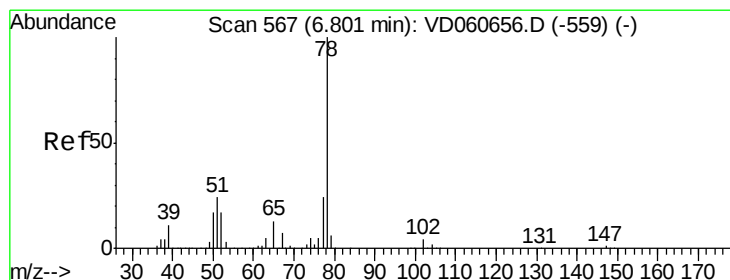
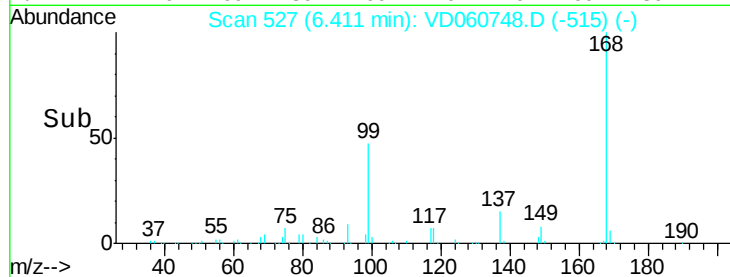
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

6.41

Time-->



#40

Benzene

Concen: 1.154 ug/l

RT: 6.80 min Scan# 567

Delta R.T. 0.00 min

Lab File: VD060748.D

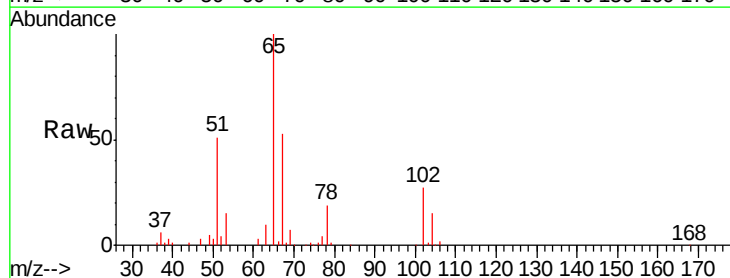
Acq: 28 Dec 2018 16:04

Tgt Ion: 78 Resp: 63374

Ion Ratio Lower Upper

78 100

77 22.1 19.2 28.8

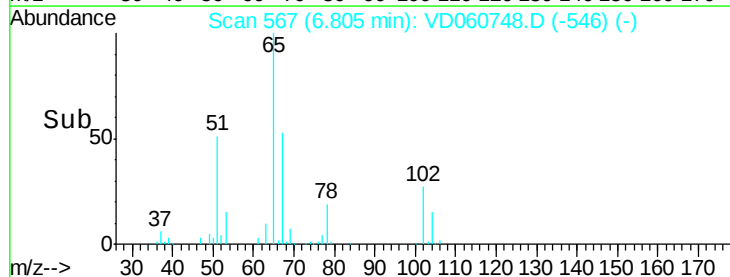


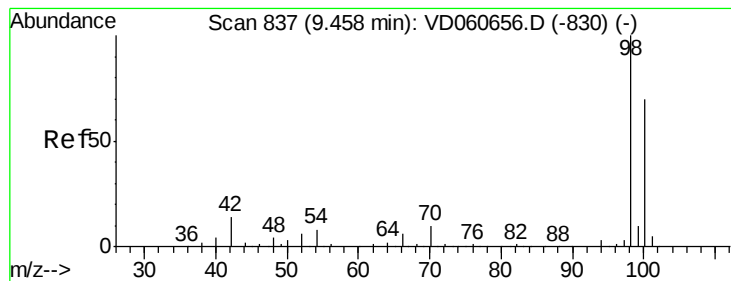
Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

6.80

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.00 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

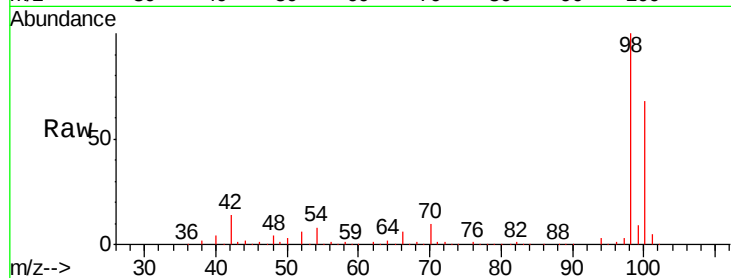
CL-02-122718-B

Tgt Ion: 98 Resp: 1816990

Ion Ratio Lower Upper

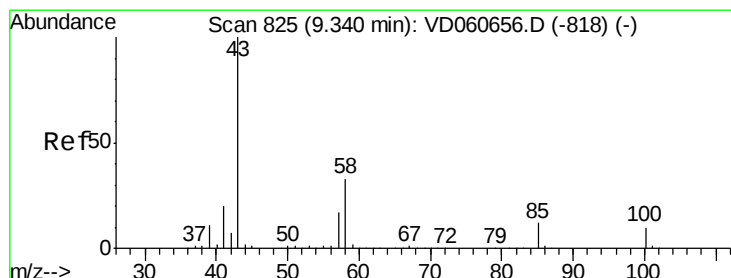
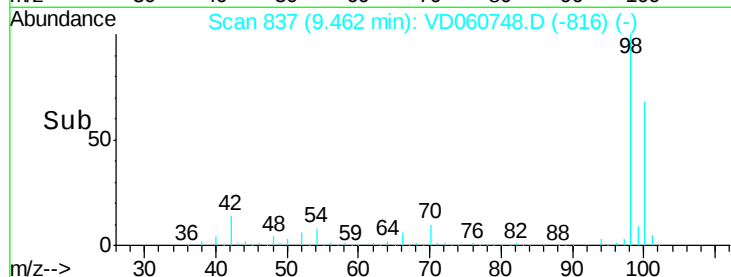
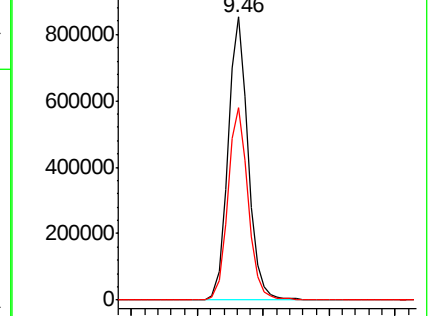
98 100

100 68.2 55.8 83.8



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: 1.343 ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.12 min

Lab File: VD060748.D

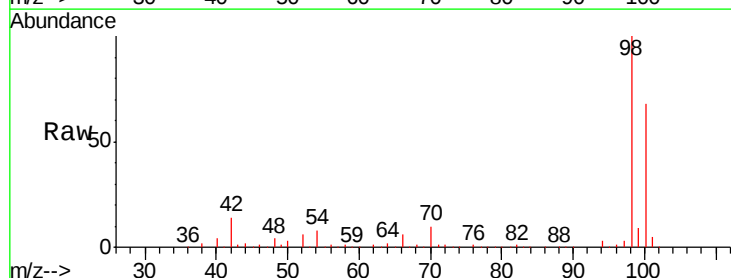
Acq: 28 Dec 2018 16:04

Tgt Ion: 43 Resp: 9390

Ion Ratio Lower Upper

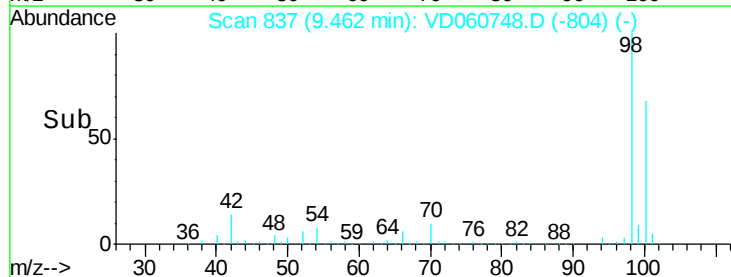
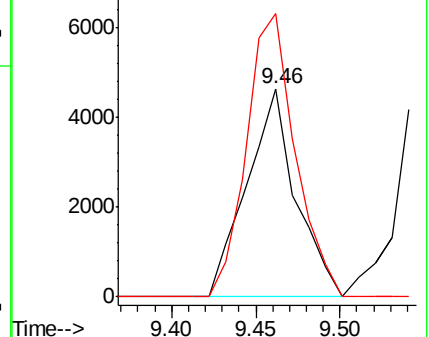
43 100

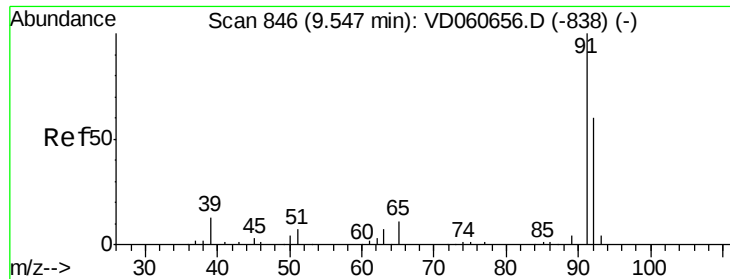
58 136.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 17.009 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

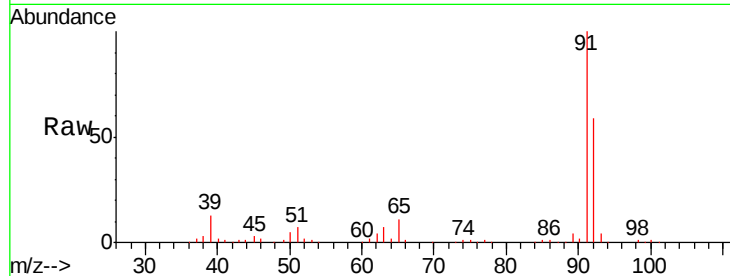
CL-02-122718-B

Tgt Ion: 92 Resp: 585551

Ion Ratio Lower Upper

92 100

91 169.9 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

300000

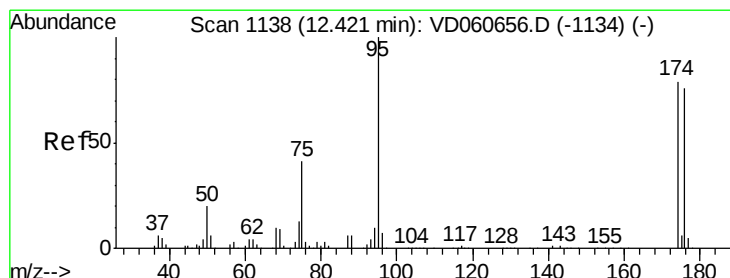
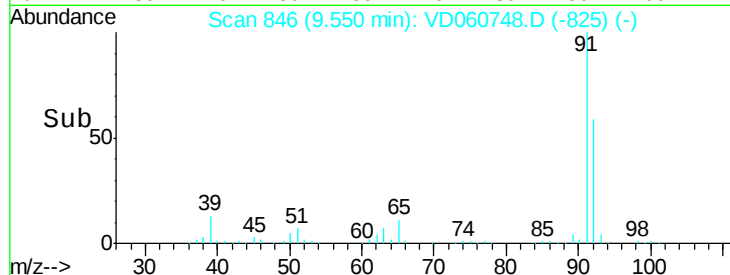
200000

100000

0

9.40 9.50 9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

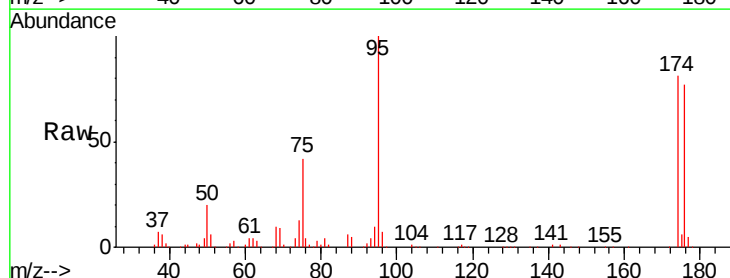
Tgt Ion: 95 Resp: 552530

Ion Ratio Lower Upper

95 100

174 80.8 0.0 158.2

176 77.5 0.0 152.4



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

500000

400000

300000

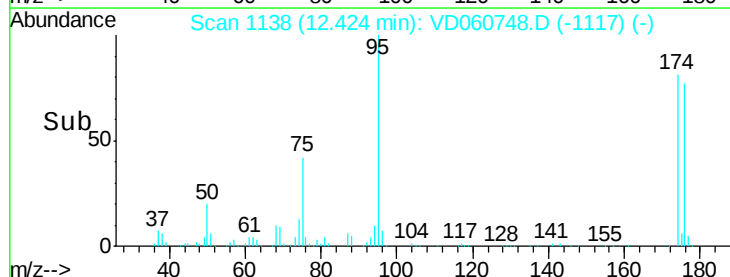
200000

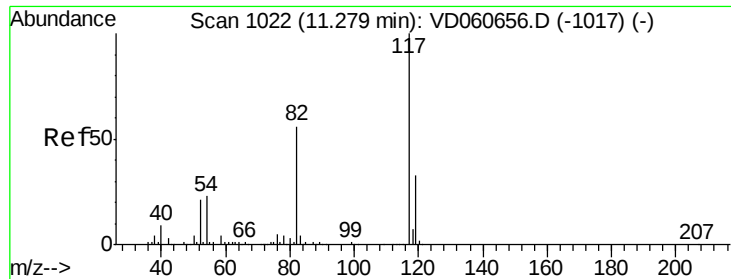
100000

0

12.30 12.40 12.50 12.60

Time-->

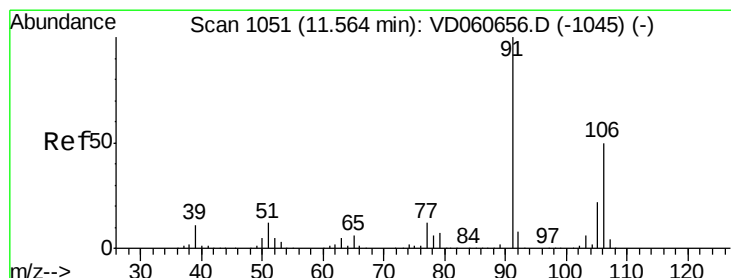
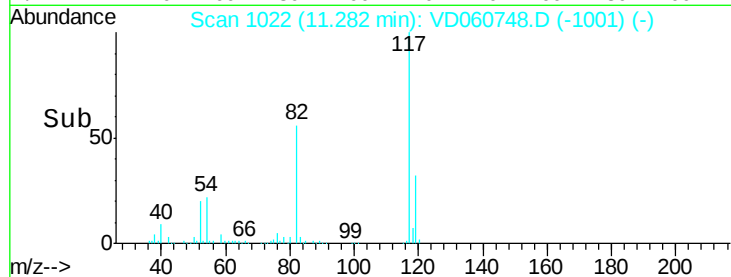
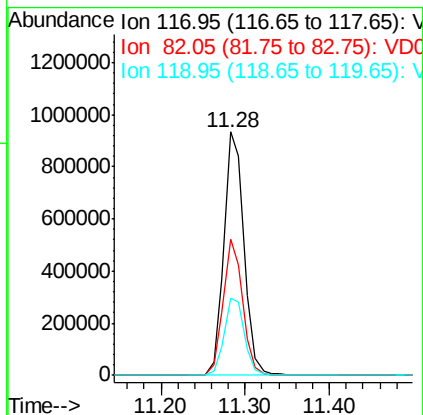
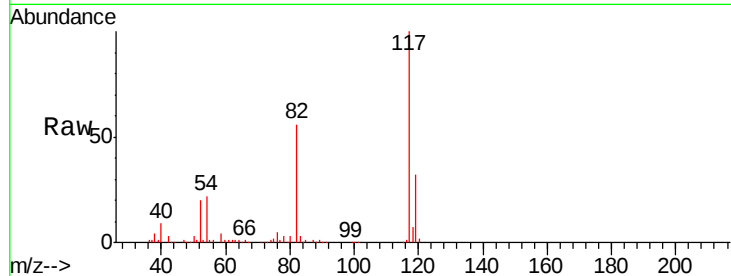




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VD060748.D
Acq: 28 Dec 2018 16:04

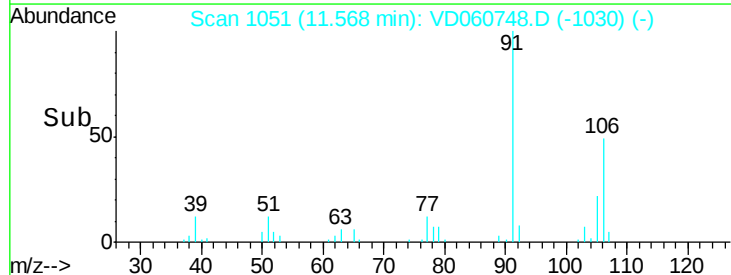
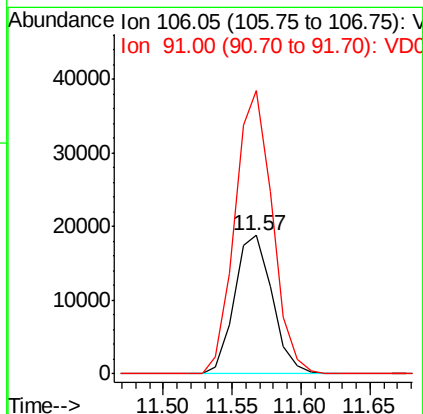
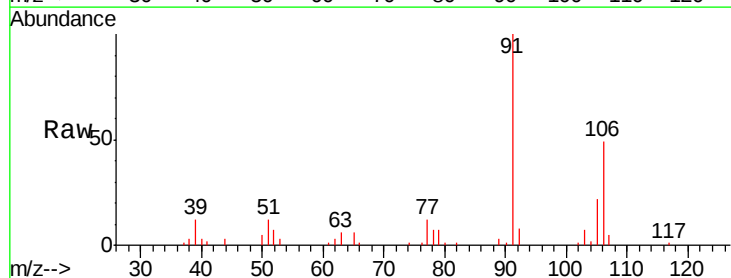
Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-B

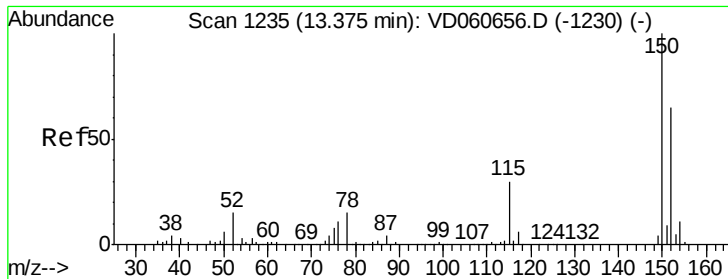
Tgt Ion:117 Resp: 1544059
Ion Ratio Lower Upper
117 100
82 55.8 44.5 66.7
119 31.9 26.3 39.5



#68
m/p-Xylenes
Concen: 1.685 ug/l
RT: 11.57 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060748.D
Acq: 28 Dec 2018 16:04

Tgt Ion:106 Resp: 35966
Ion Ratio Lower Upper
106 100
91 204.6 158.9 238.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

CL-02-122718-B

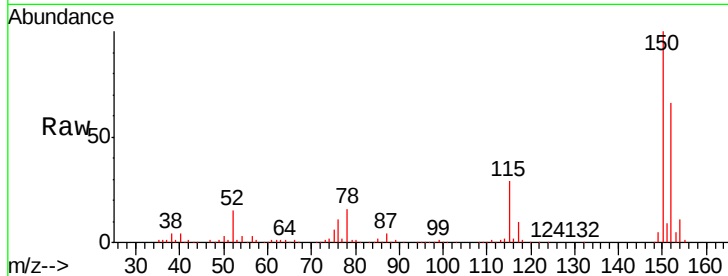
Tgt Ion: 152 Resp: 661258

Ion Ratio Lower Upper

152 100

115 44.3 24.1 72.3

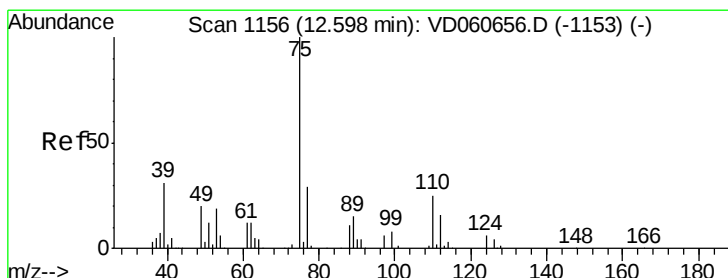
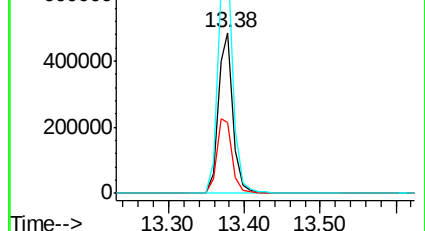
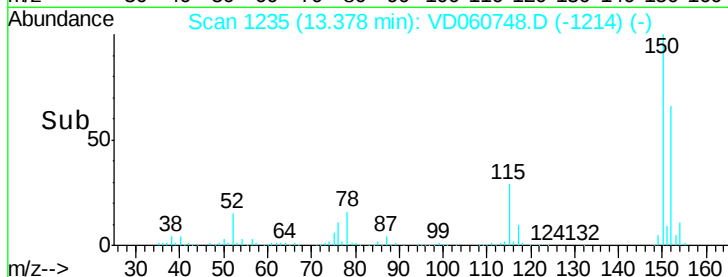
150 151.2 0.0 315.0



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



#76

1,2,3-Trichloropropane

Concen: 26.131 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. -0.17 min

Lab File: VD060748.D

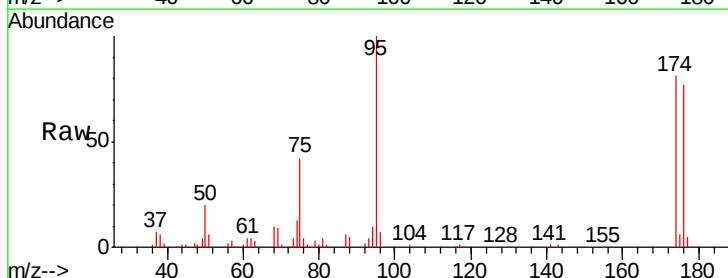
Acq: 28 Dec 2018 16:04

Tgt Ion: 75 Resp: 196721

Ion Ratio Lower Upper

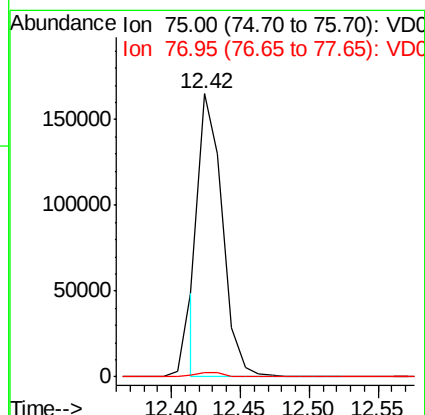
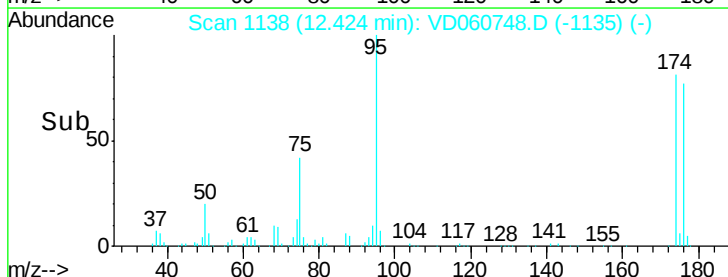
75 100

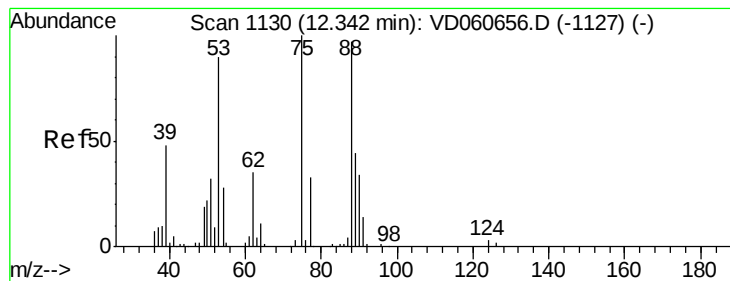
77 1.5 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.236 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.08 min

Lab File: VD060748.D

Acq: 28 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

CL-02-122718-B

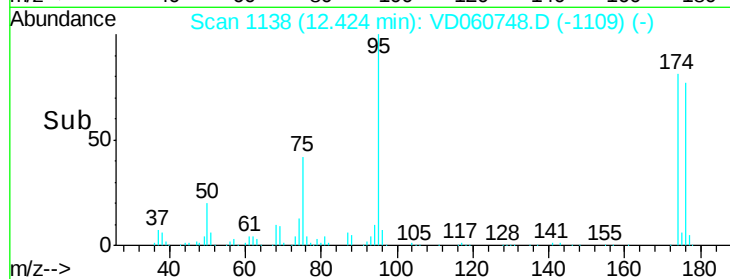
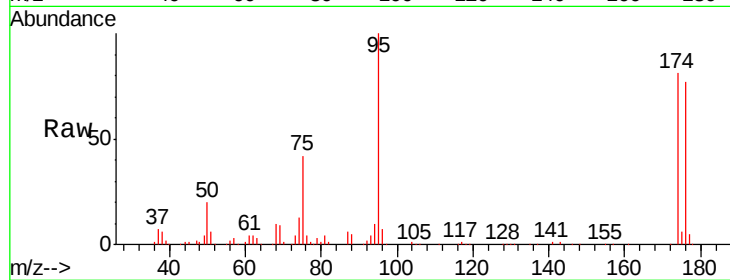
Tgt Ion: 75 Resp: 227239

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

