

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060534.D
 Acq On : 11 Dec 2018 14:35
 Operator : VA/AP
 Sample : J6193-05
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-121018-C

Quant Time: Dec 12 03:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1882636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2676343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1756324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	553049	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	575974	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	
35) Dibromofluoromethane	6.33	113	655099	33.32	ug/l	0.00
Spiked Amount			Recovery	=	66.64%	
50) Toluene-d8	9.46	98	1940616	34.11	ug/l	0.00
Spiked Amount			Recovery	=	68.22%	
62) 4-Bromofluorobenzene	12.42	95	539470	26.50	ug/l	0.00
Spiked Amount			Recovery	=	53.00%	

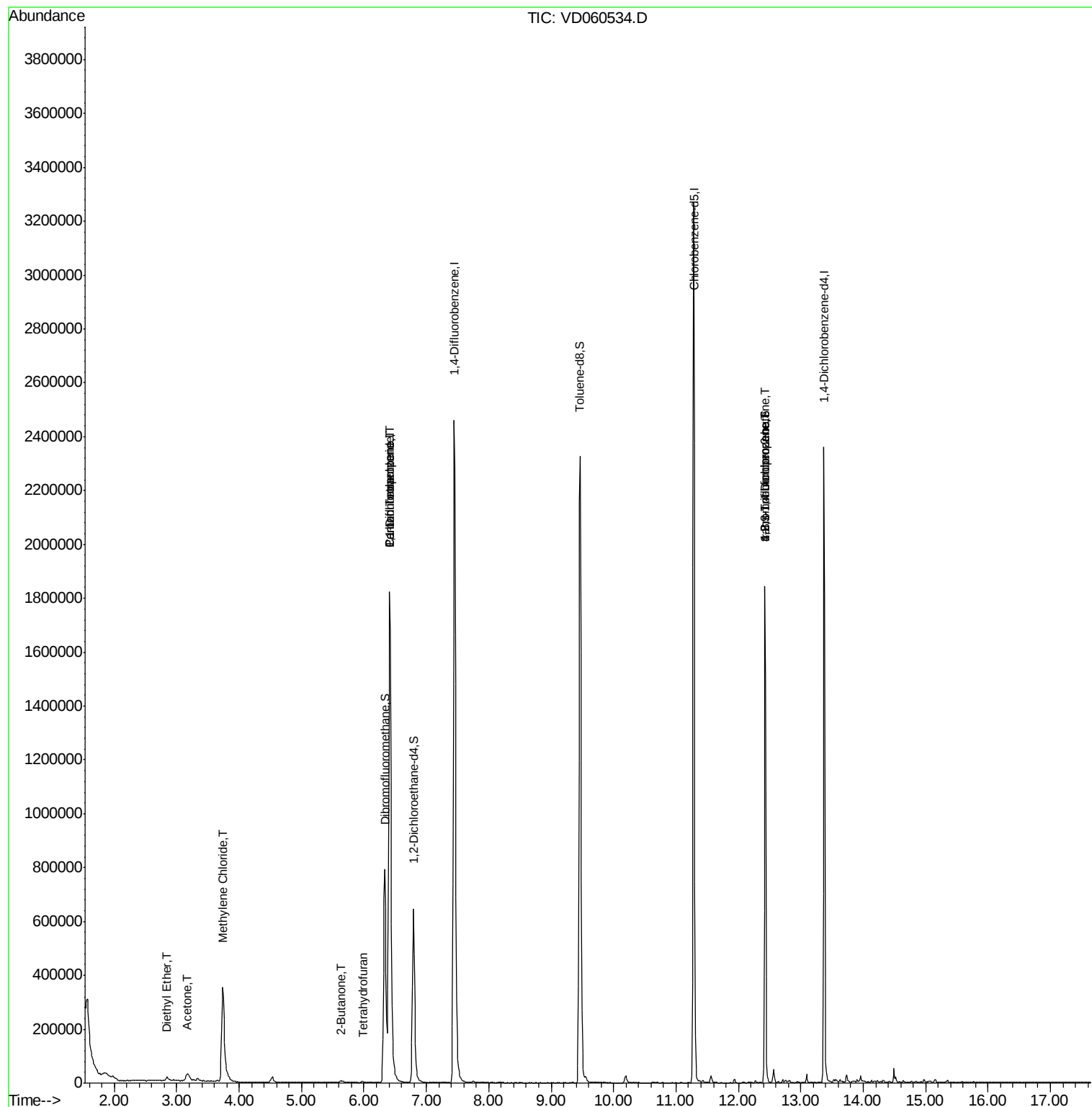
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	501	Below Cal	#	41
8) Diethyl Ether	2.84	74	5582	1.813	ug/l	97
16) Acetone	3.16	43	74952	35.042	ug/l	99
20) Methylene Chloride	3.74	84	262872	9.788	ug/l	94
25) 2-Butanone	5.63	43	14176	3.369	ug/l	96
29) Tetrahydrofuran	5.97	42	3838	1.611	ug/l #	62
31) Cyclohexane	6.41	56	37266	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	136728	5.226	ug/l #	47
38) Carbon Tetrachloride	6.41	117	147882	6.297	ug/l #	15
76) 1,2,3-Trichloropropane	12.42	75	182546	29.131	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	226965	129.863	ug/l #	14
89) n-Butylbenzene	13.64	91	1785	Below Cal		92

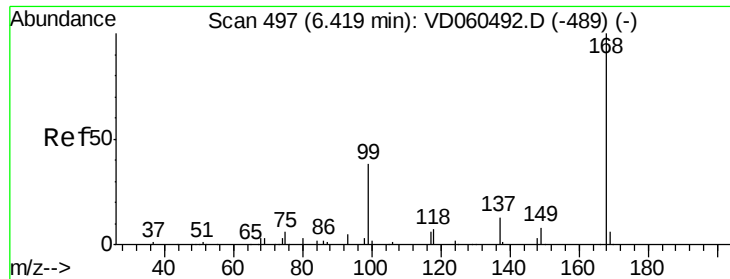
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121118\
Data File : VD060534.D
Acq On : 11 Dec 2018 14:35
Operator : VA/AP
Sample : J6193-05
Misc : 6.54g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-C

Quant Time: Dec 12 03:12:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

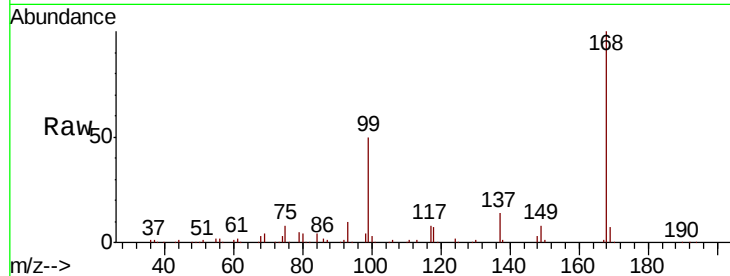
CL-01-121018-C

Tot Ion:168 Resp: 1882636

Ion Ratio Lower Upper

168 100

99 49.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

800000

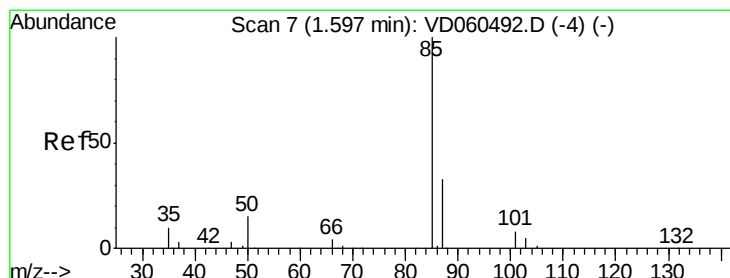
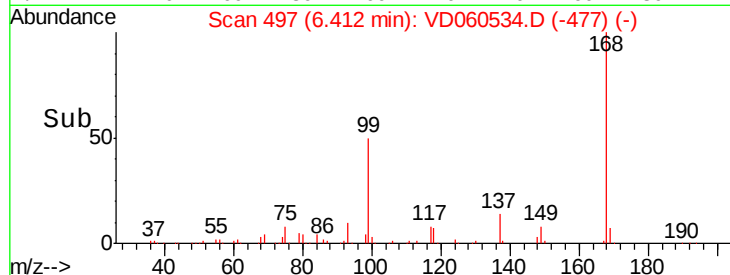
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060534.D

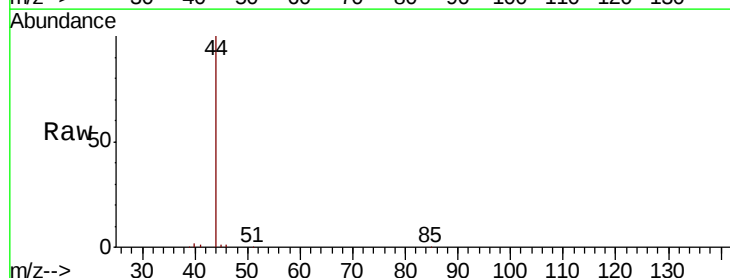
Acq: 11 Dec 2018 14:35

Tgt Ion: 85 Resp: 501

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

500

400

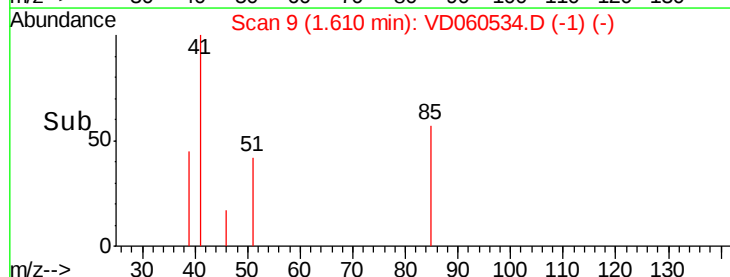
300

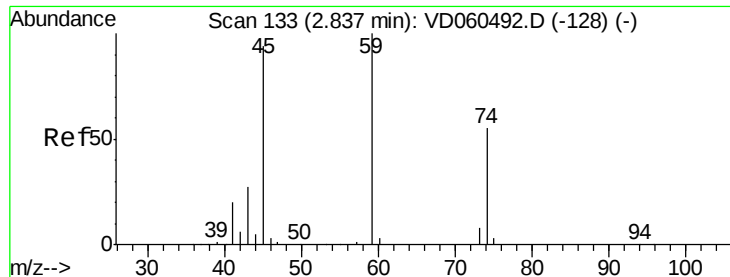
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.813 ug/l

RT: 2.84 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

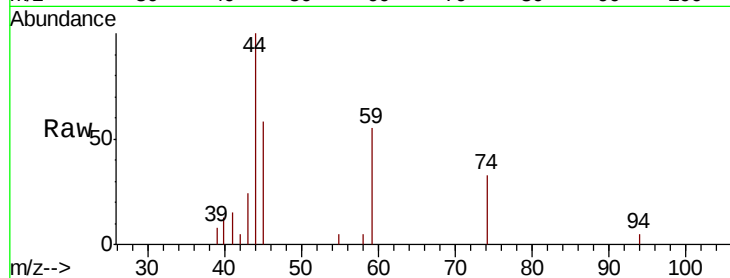
CL-01-121018-C

Tot Ion: 74 Resp: 5582

Ion Ratio Lower Upper

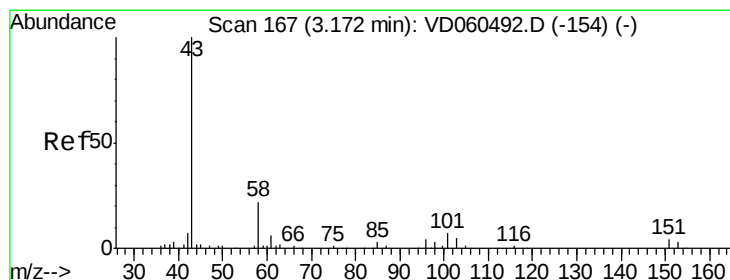
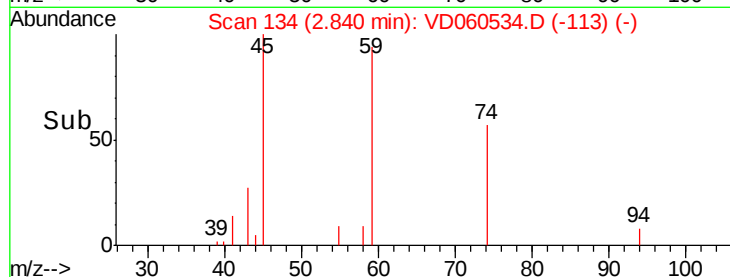
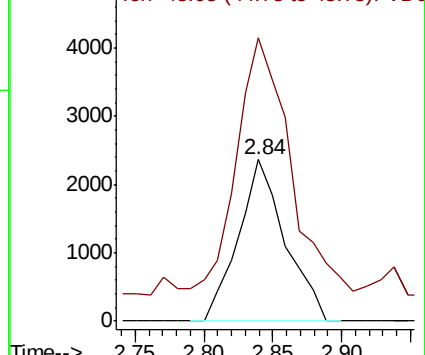
74 100

45 175.5 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 35.042 ug/l

RT: 3.16 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060534.D

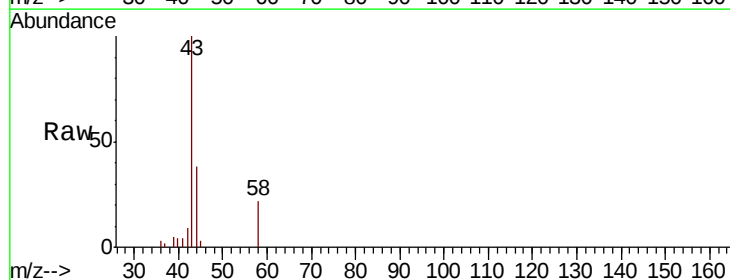
Acq: 11 Dec 2018 14:35

Tgt Ion: 43 Resp: 74952

Ion Ratio Lower Upper

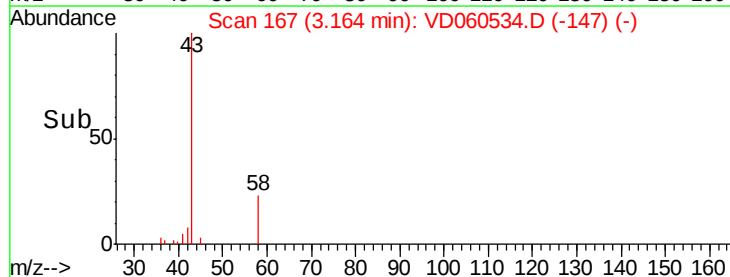
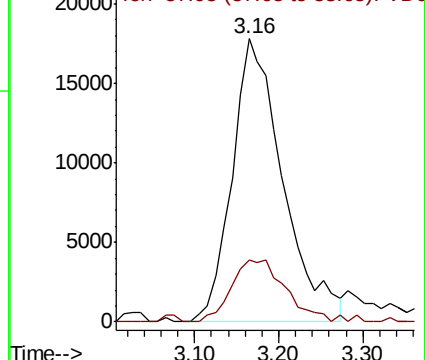
43 100

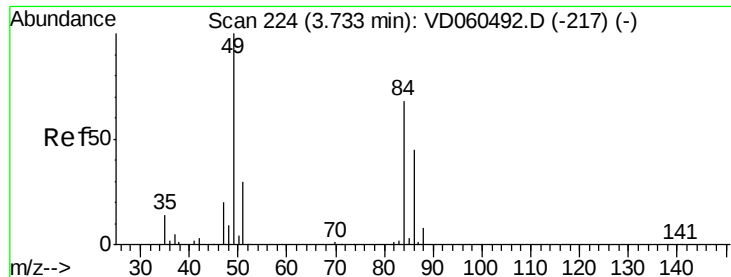
58 22.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

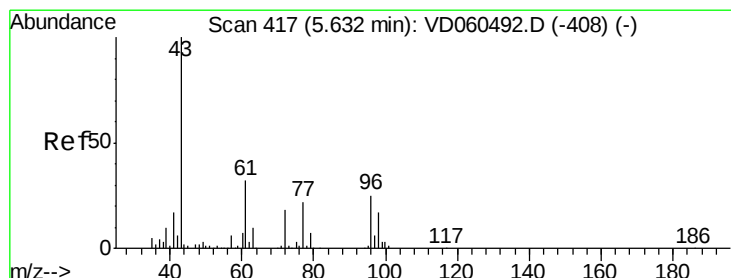
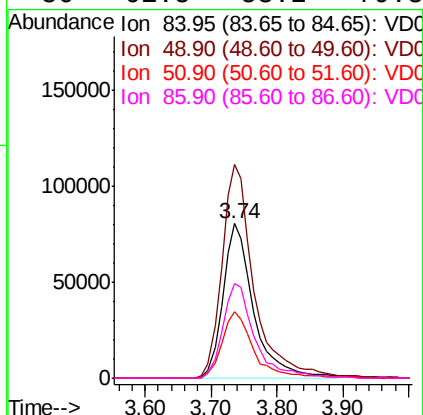
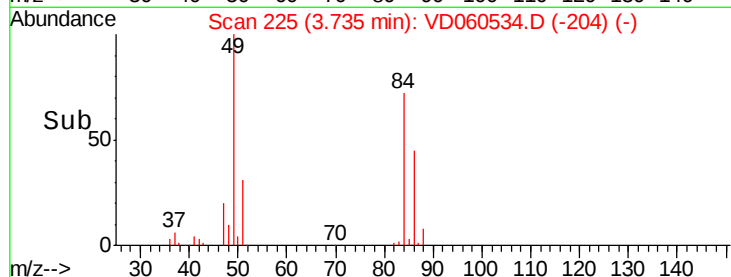
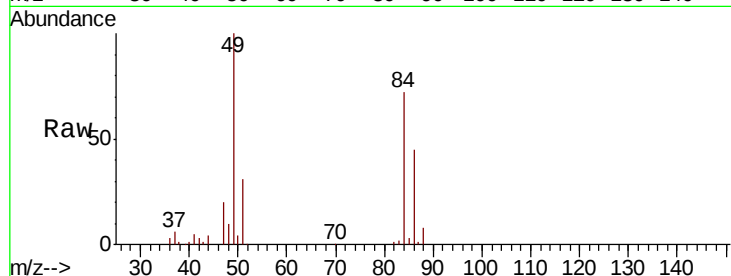




#20
Methvlene Chloride
Concen: 9.788 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060534.D
Acq: 11 Dec 2018 14:35

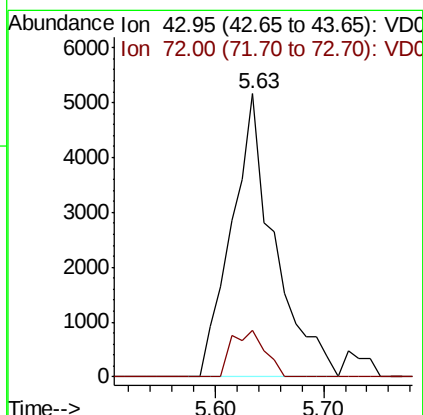
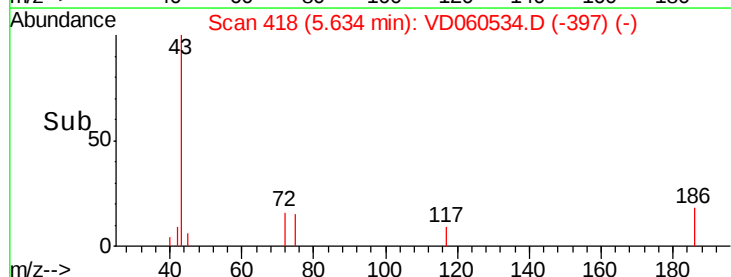
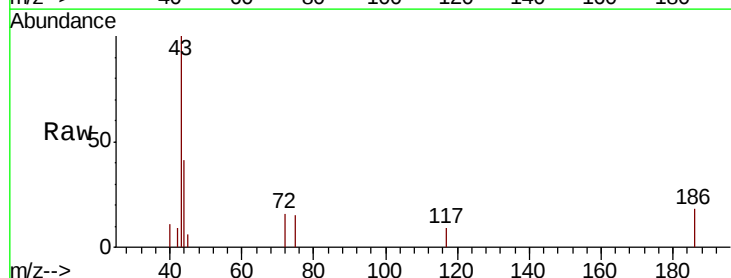
Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-C

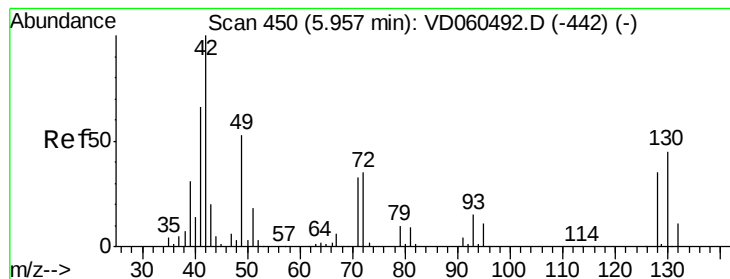
Tot Ion: 84 Resp: 262872
Ion Ratio Lower Upper
84 100
49 138.0 117.2 175.8
51 43.2 35.3 52.9
86 61.5 53.2 79.8



#25
2-Butanone
Concen: 3.369 ug/l
RT: 5.63 min Scan# 418
Delta R.T. 0.00 min
Lab File: VD060534.D
Acq: 11 Dec 2018 14:35

Tgt Ion: 43 Resp: 14176
Ion Ratio Lower Upper
43 100
72 16.4 14.6 21.8





#29

Tetrahydrofuran

Concen: 1.611 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-C

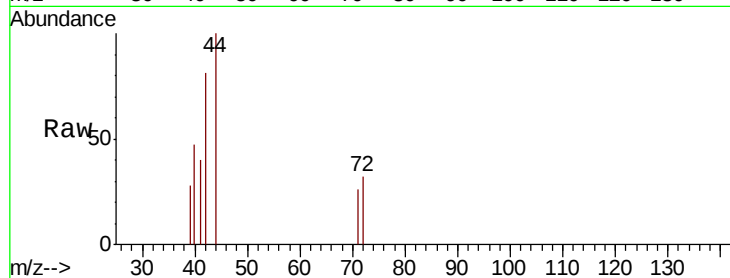
Tot Ion: 42 Resp: 3838

Ion Ratio Lower Upper

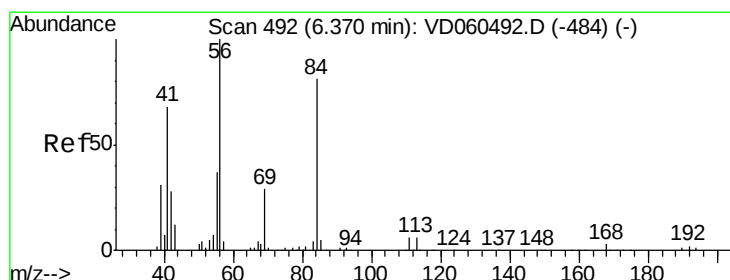
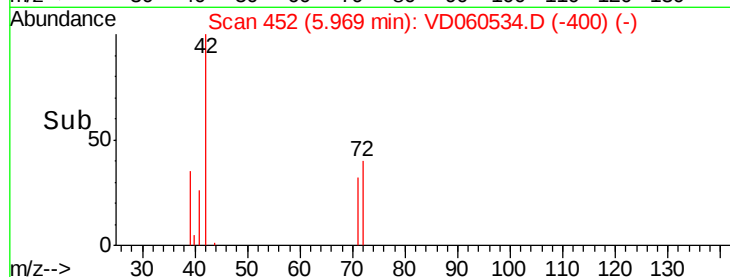
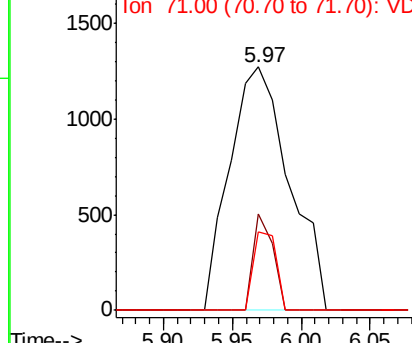
42 100

72 13.2 28.0 42.0#

71 12.3 27.2 40.8#



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: Below Cal

RT: 6.41 min Scan# 497

Delta R.T. 0.04 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

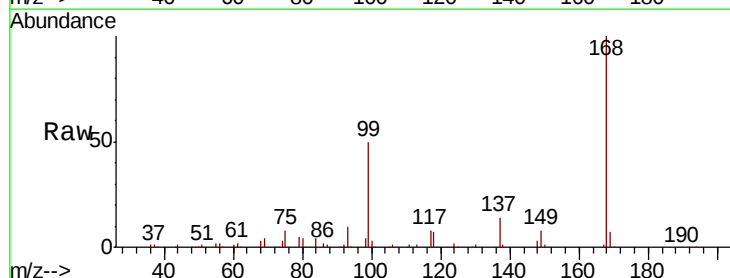
Tgt Ion: 56 Resp: 37266

Ion Ratio Lower Upper

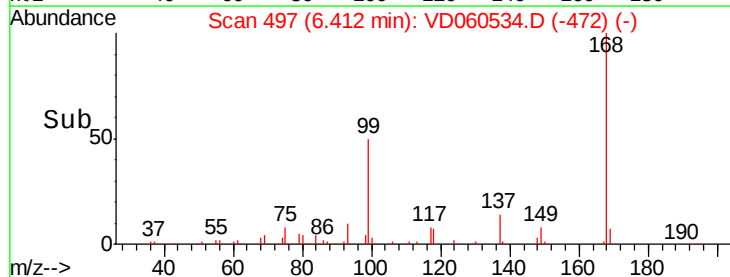
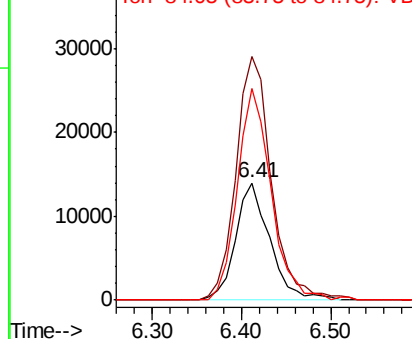
56 100

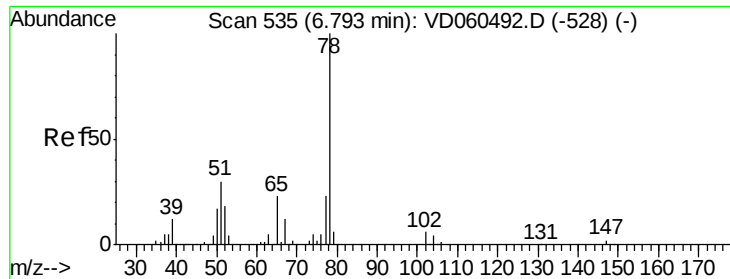
69 208.3 22.8 34.2#

84 180.8 65.1 97.7#



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: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

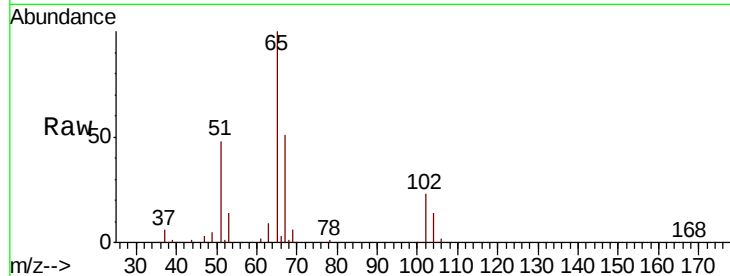
CL-01-121018-C

Tot Ion: 65 Resp: 575974

Ion Ratio Lower Upper

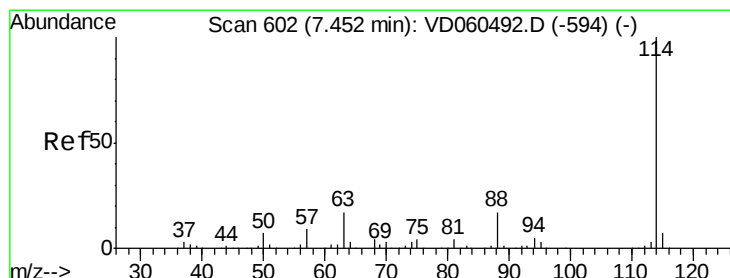
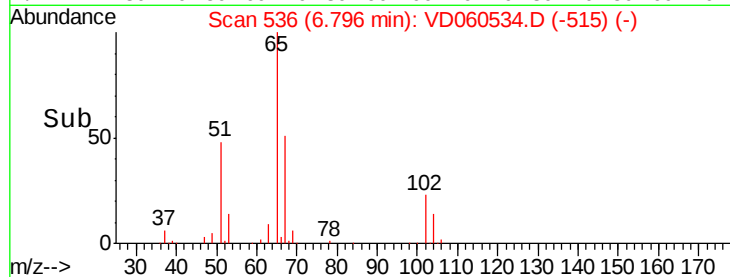
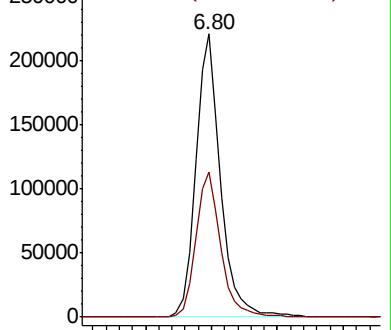
65 100

67 51.2 0.0 106.8



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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

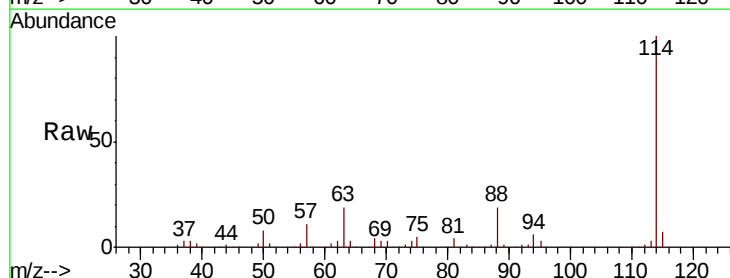
Tgt Ion: 114 Resp: 2676343

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.2

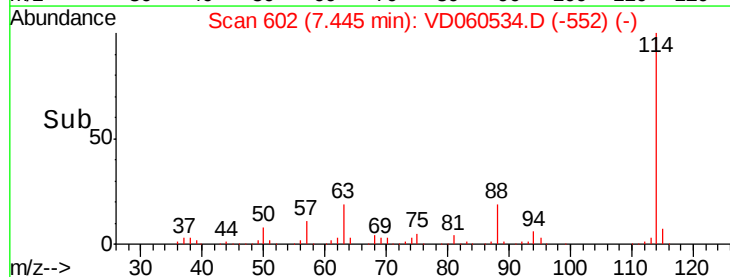
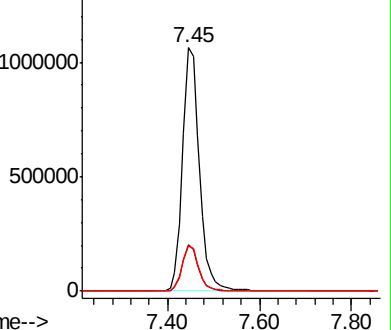
88 18.5 0.0 35.0

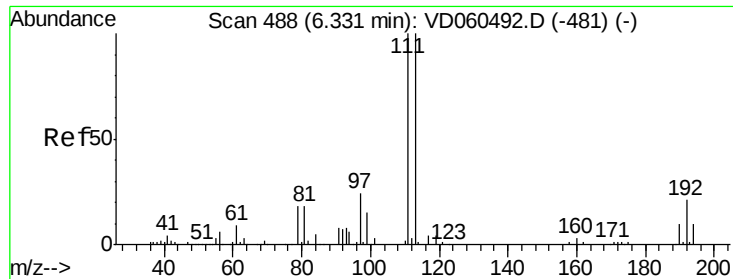


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

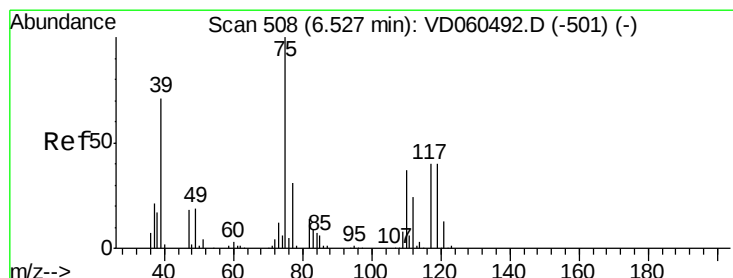
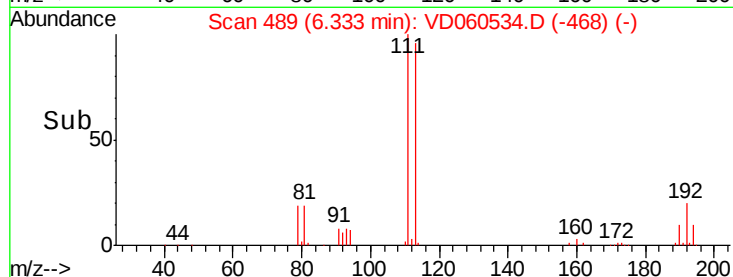
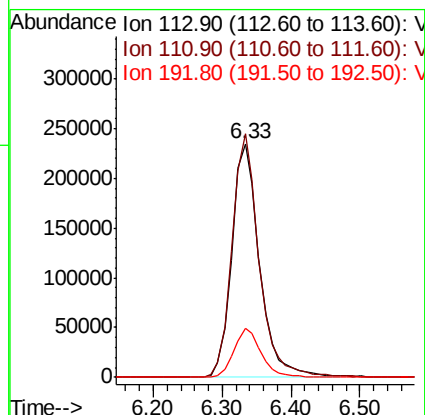
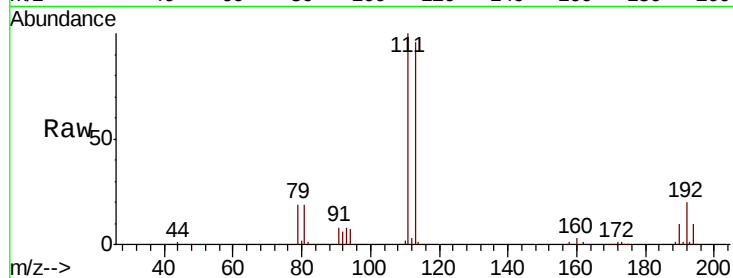




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060534.D
 Acq: 11 Dec 2018 14:35

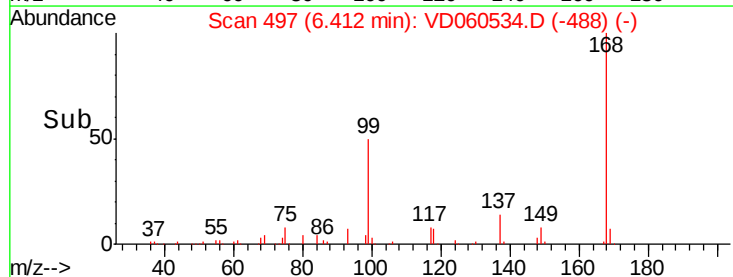
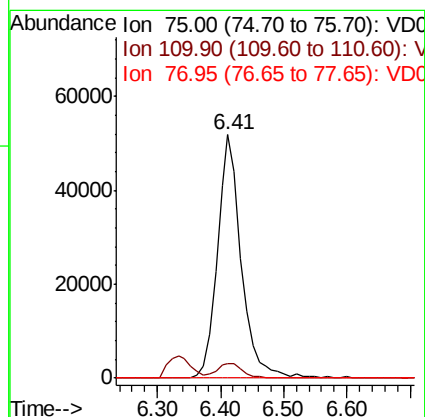
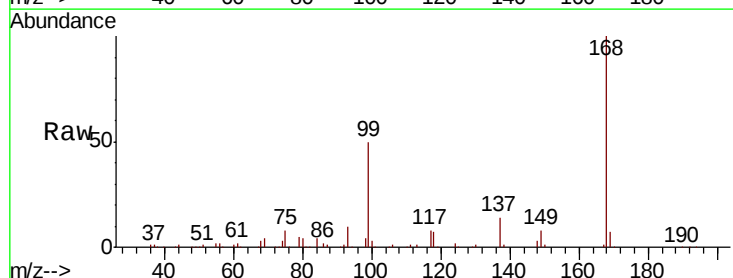
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-121018-C

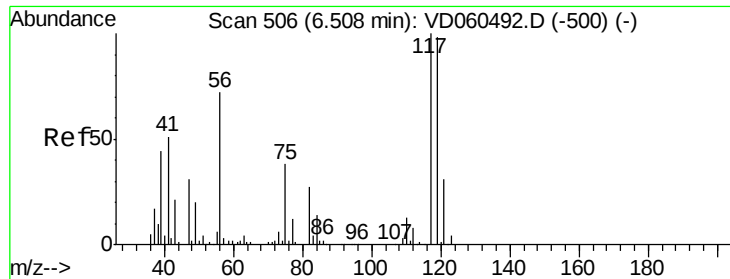
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.2	120.4
192	21.0	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 5.226 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.12 min
 Lab File: VD060534.D
 Acq: 11 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	18.3	54.8#
77	0.0	24.6	37.0#

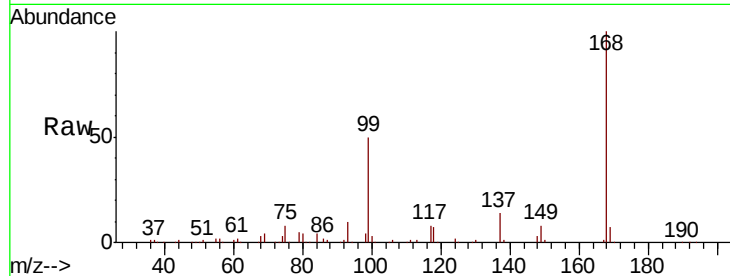




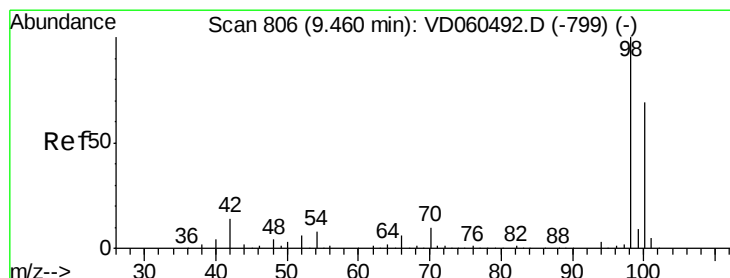
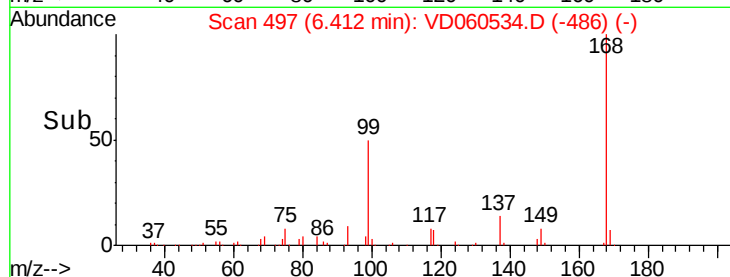
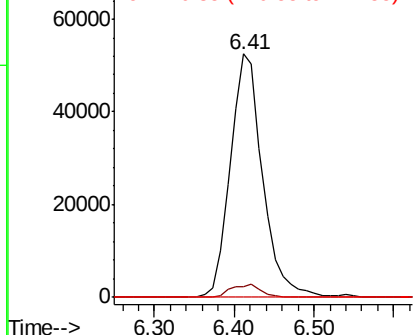
#38
Carbon Tetrachloride
Concen: 6.297 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060534.D
Acq: 11 Dec 2018 14:35

Instrument :
MSVOA_D
ClientSampleId :
CL-01-121018-C

Tot Ion:117 Resp: 147882
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.4 36.6#

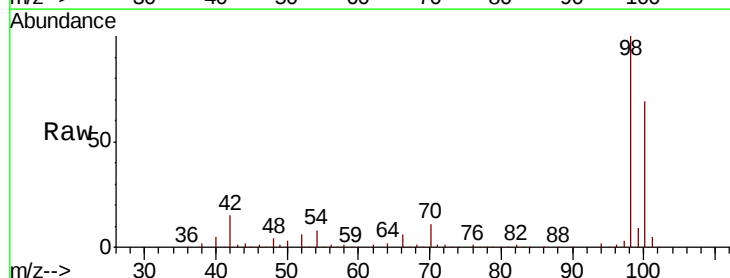


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

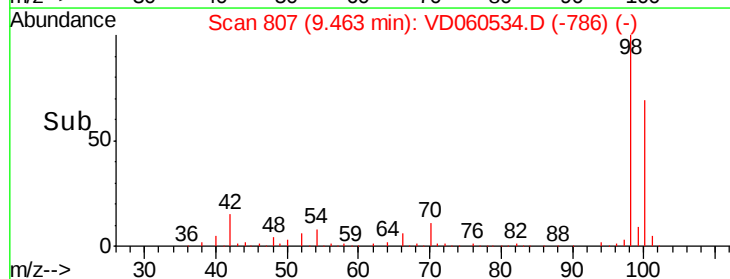
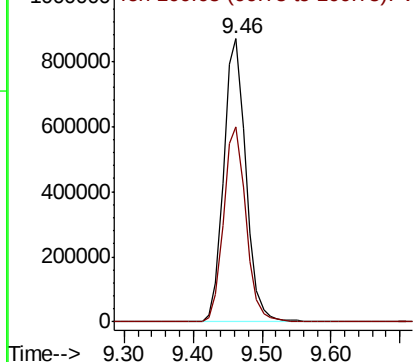


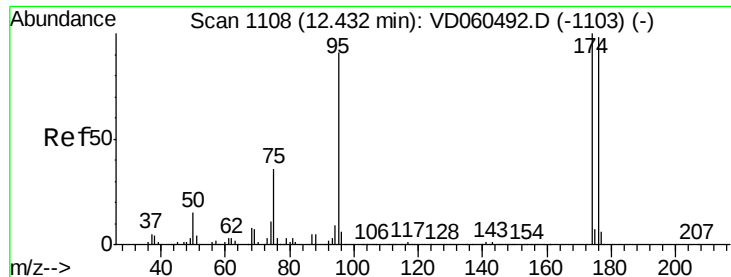
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060534.D
Acq: 11 Dec 2018 14:35

Tgt Ion: 98 Resp: 1940616
Ion Ratio Lower Upper
98 100
100 68.8 55.7 83.5



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-C

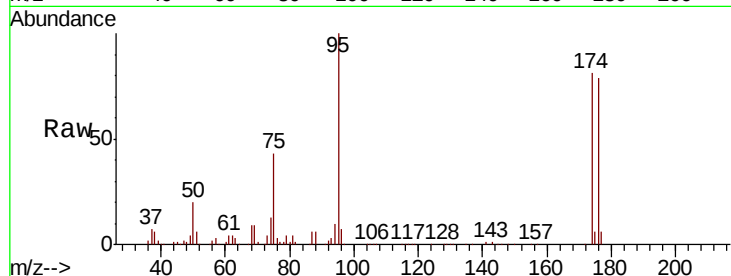
Tot Ion: 95 Resp: 539470

Ion Ratio Lower Upper

95 100

174 81.3 0.0 219.4

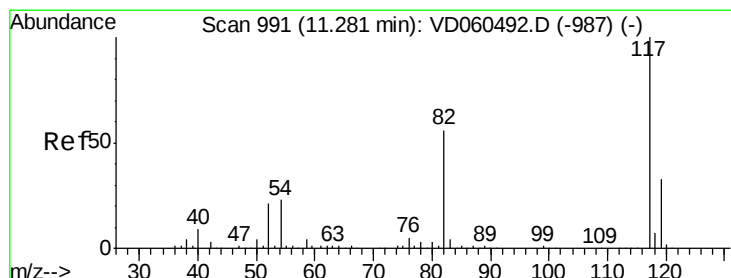
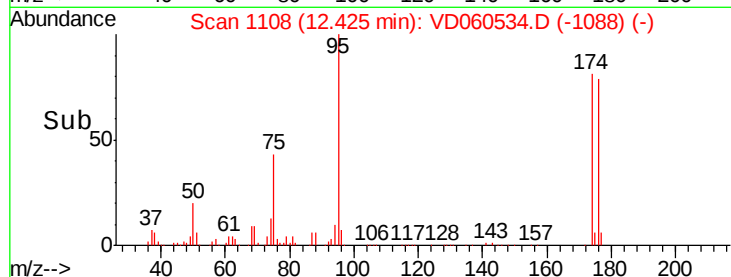
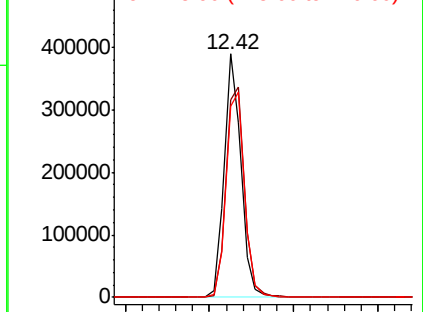
176 78.5 0.0 214.6



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: 11.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

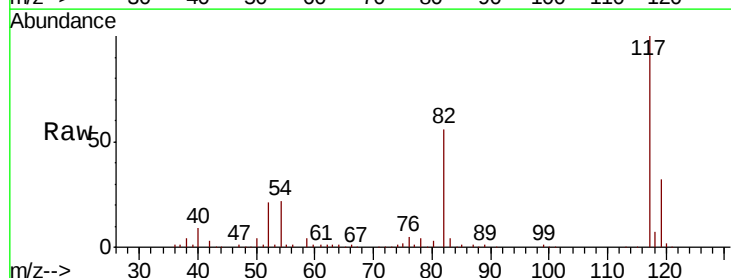
Tgt Ion: 117 Resp: 1756324

Ion Ratio Lower Upper

117 100

82 55.7 45.2 67.8

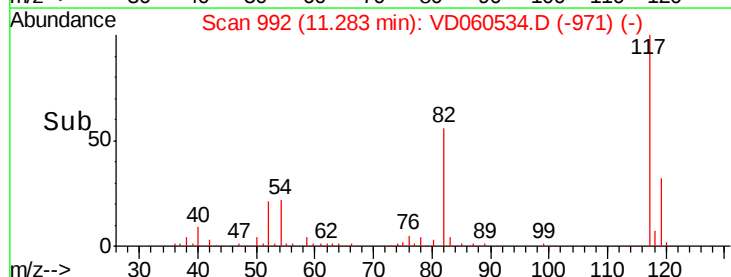
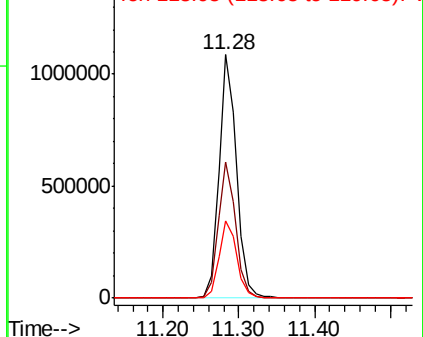
119 31.9 26.1 39.1

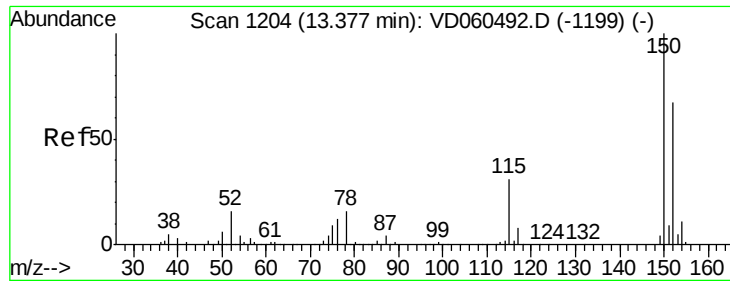


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-C

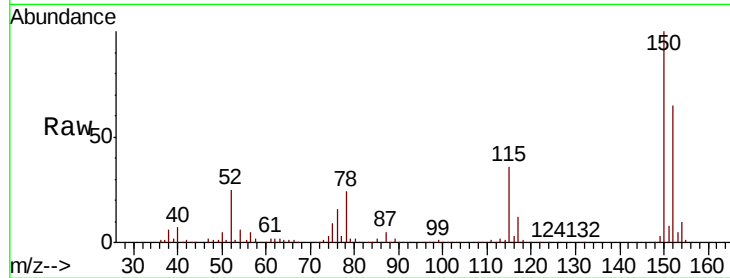
Tot Ion:152 Resp: 553049

Ion Ratio Lower Upper

152 100

115 55.1 24.6 74.0

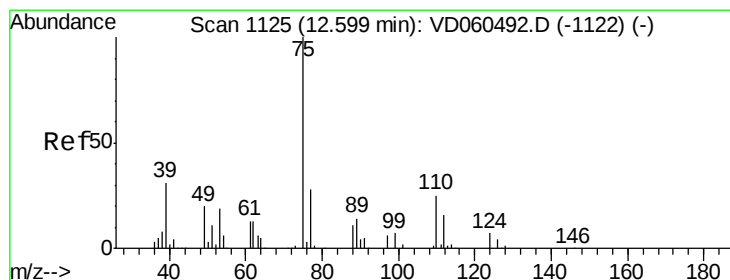
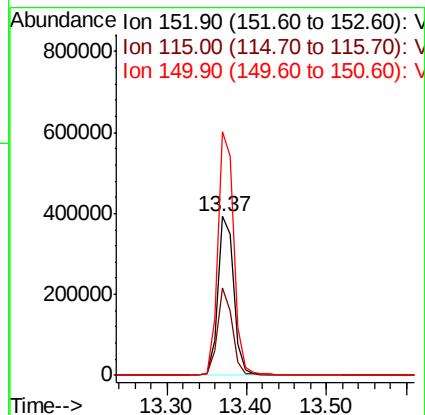
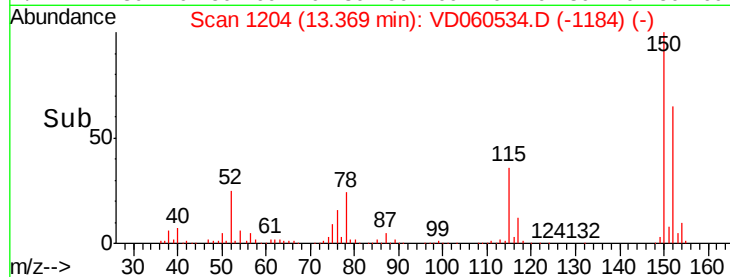
150 153.5 0.0 309.0



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: 29.131 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. -0.17 min

Lab File: VD060534.D

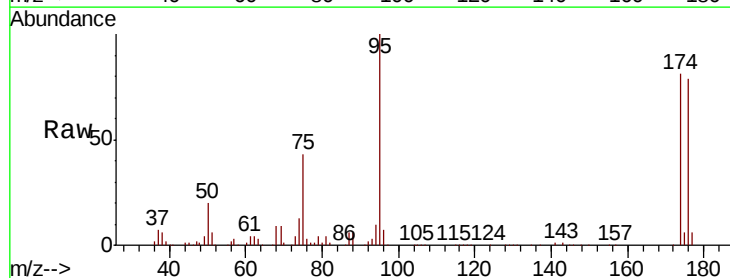
Acq: 11 Dec 2018 14:35

Tgt Ion: 75 Resp: 182546

Ion Ratio Lower Upper

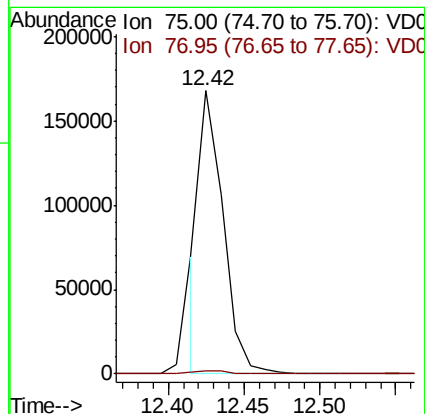
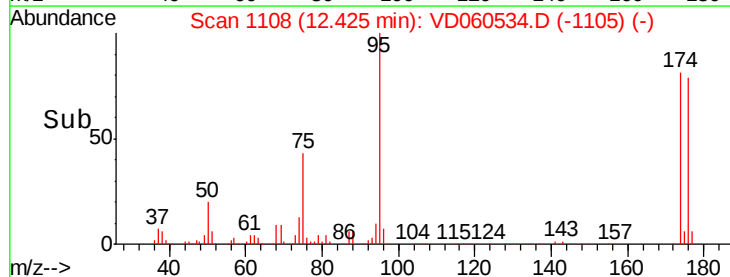
75 100

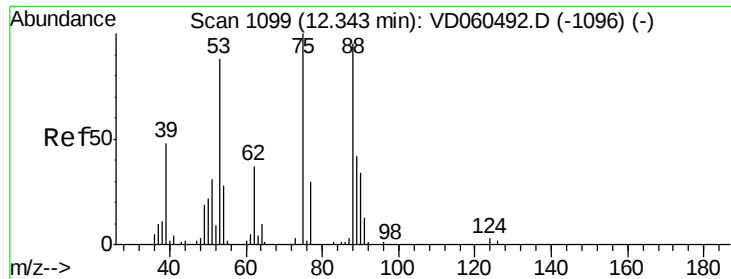
77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 129.863 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060534.D

Acq: 11 Dec 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

CL-01-121018-C

Tot Ion: 75 Resp: 226965

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#

