

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060527.D
 Acq On : 11 Dec 2018 11:07
 Operator : VA/AP
 Sample : VD1211SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBL01

Quant Time: Dec 12 03:10:37 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	6.40	168	1561098	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2160696	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1705953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	813759	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	561043	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
35) Dibromofluoromethane	6.33	113	804605	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
50) Toluene-d8	9.46	98	2373289	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.43	95	833244	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	

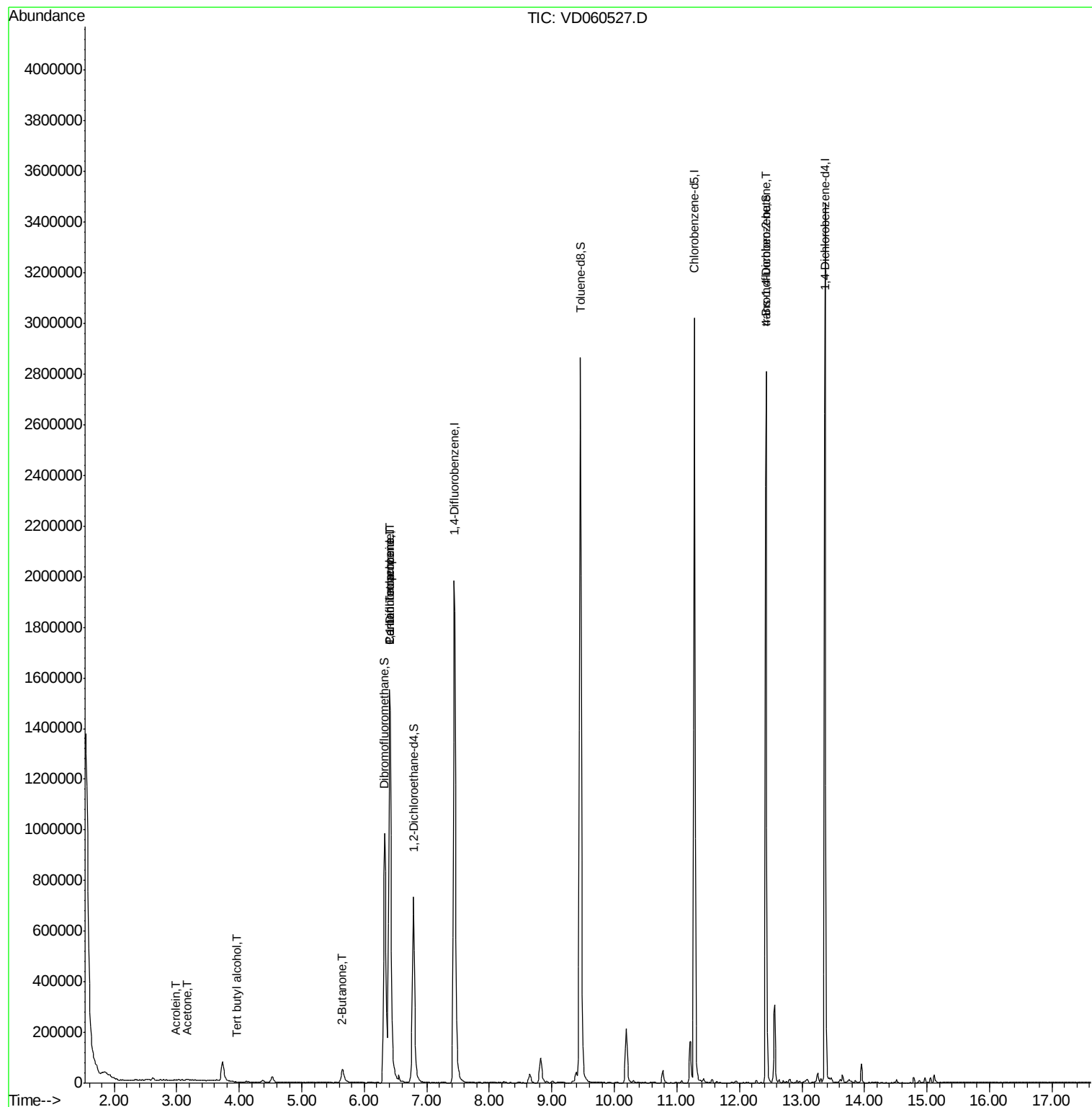
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	2944	Below Cal		98
11) Tert butyl alcohol	3.96	59	1357	3.019 ug/l #		73
13) Acrolein	3.00	56	678	1.380 ug/l #		11
16) Acetone	3.17	43	8839	4.984 ug/l		93
20) Methylene Chloride	3.73	84	52715	Below Cal		98
25) 2-Butanone	5.66	43	6826	1.956 ug/l #		59
31) Cyclohexane	6.41	56	31967	Below Cal #		1
36) 1,1-Dichloropropene	6.40	75	111371	5.273 ug/l #		46
38) Carbon Tetrachloride	6.40	117	120895	6.376 ug/l #		16
81) trans-1,4-Dichloro-2-buten	12.42	75	340836	132.538 ug/l #		14
89) n-Butylbenzene	13.65	91	7297	Below Cal		87

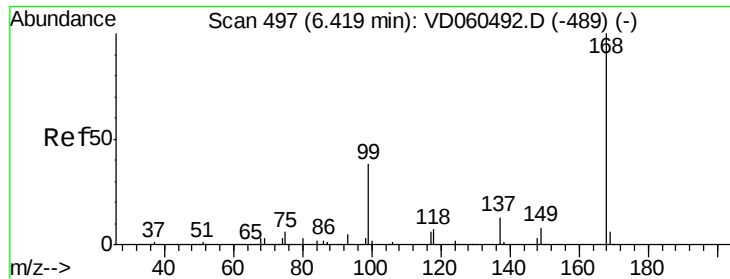
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121118\
Data File : VD060527.D
Acq On : 11 Dec 2018 11:07
Operator : VA/AP
Sample : VD1211SBL01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBL01

Quant Time: Dec 12 03:10:37 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: 6.40 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

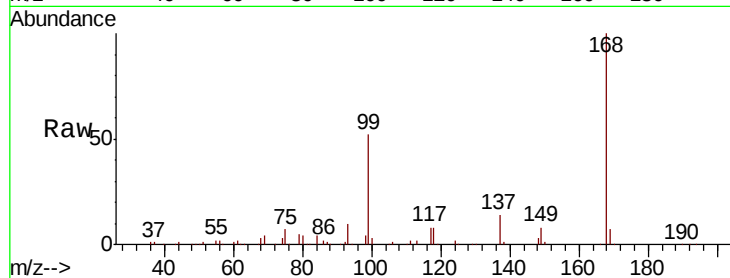
VD1211SBL01

Tot Ion:168 Resp: 1561098

Ion Ratio Lower Upper

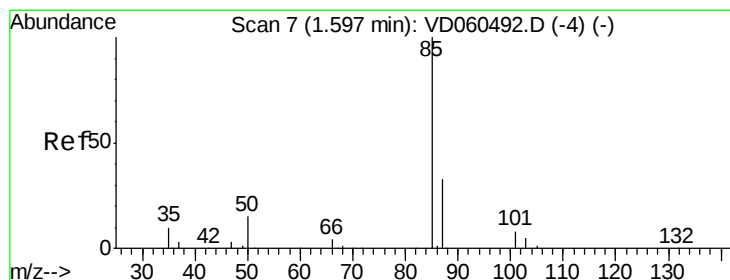
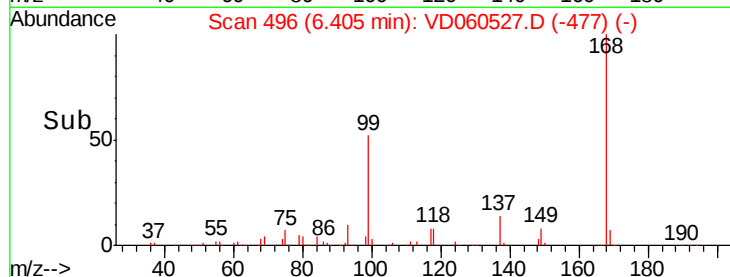
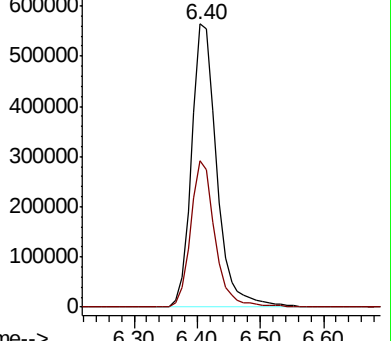
168 100

99 51.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060527.D

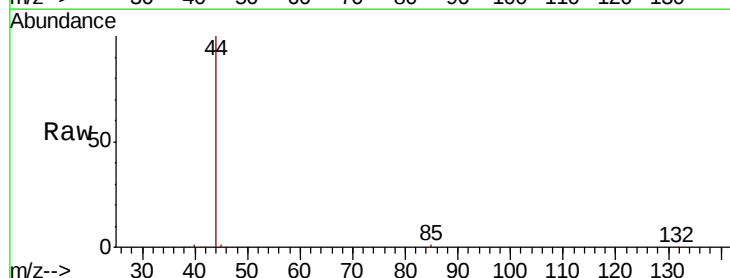
Acq: 11 Dec 2018 11:07

Tgt Ion: 85 Resp: 2944

Ion Ratio Lower Upper

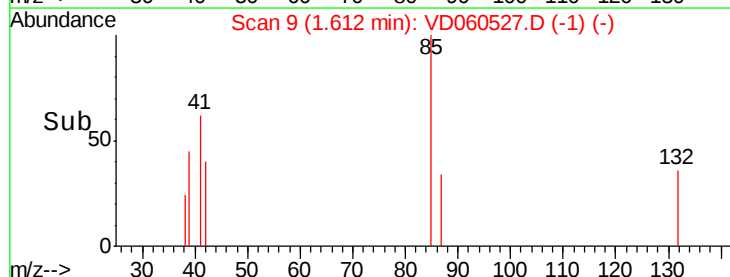
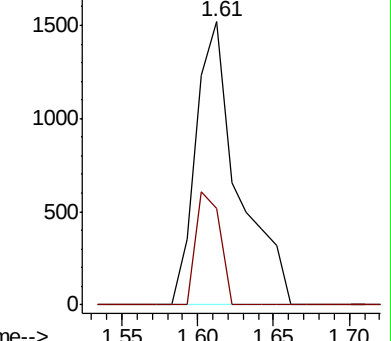
85 100

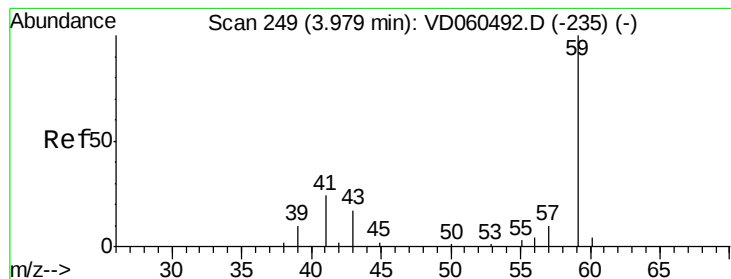
87 34.2 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC



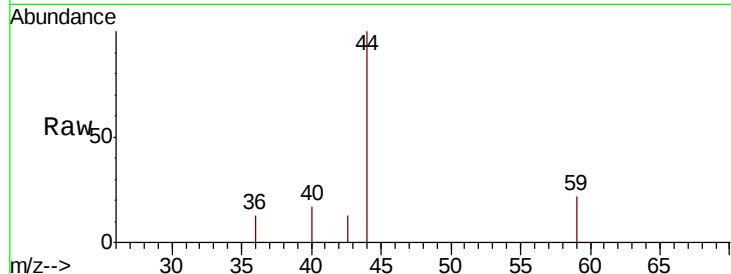


#11

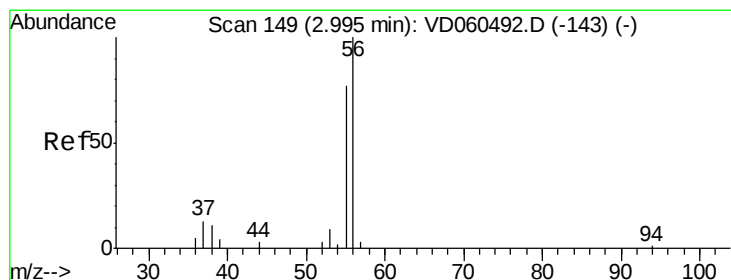
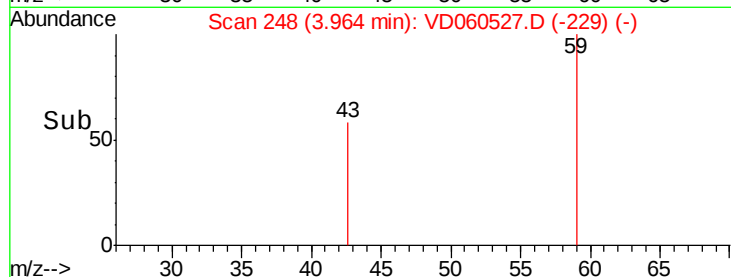
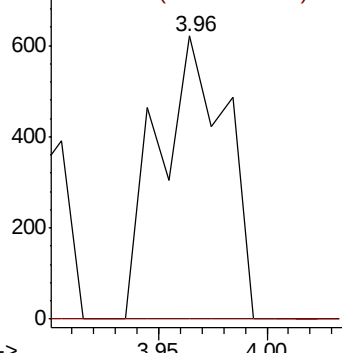
Tert butyl alcohol
 Concen: 3.019 ug/l
 RT: 3.96 min Scan# 248
 Delta R.T. -0.01 min
 Lab File: VD060527.D
 Acq: 11 Dec 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBL01

Tot Ion: 59 Resp: 1357
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#



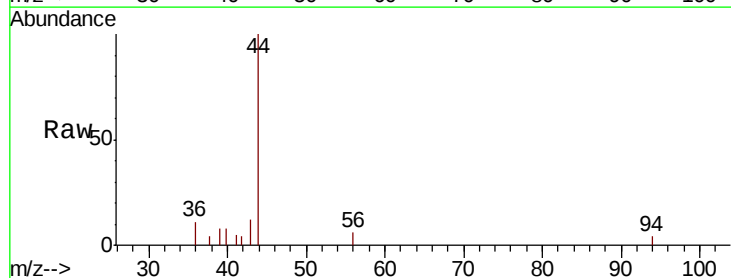
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



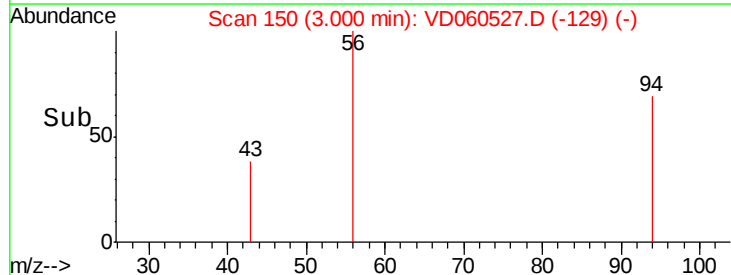
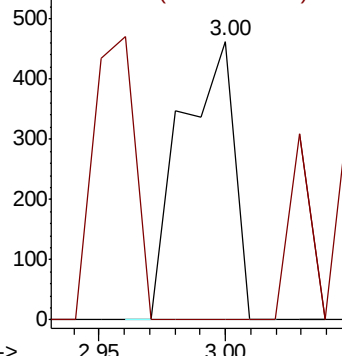
#13

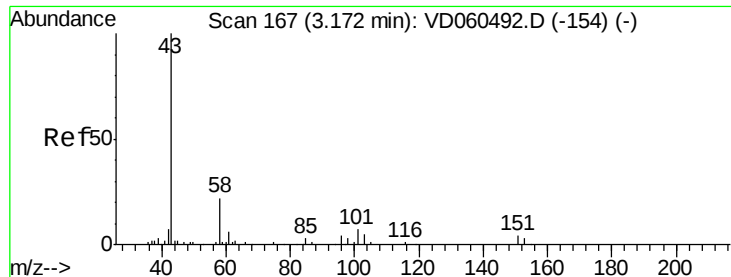
Acrolein
 Concen: 1.380 ug/l
 RT: 3.00 min Scan# 150
 Delta R.T. 0.01 min
 Lab File: VD060527.D
 Acq: 11 Dec 2018 11:07

Tgt Ion: 56 Resp: 678
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.0 93.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 4.984 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

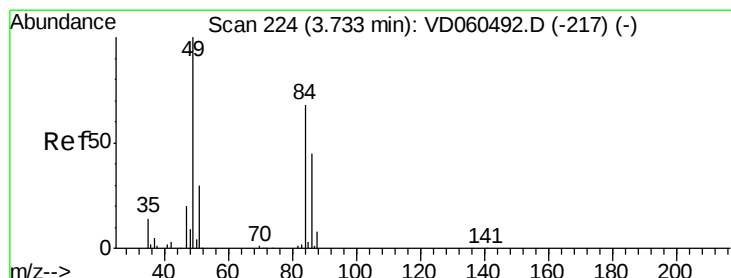
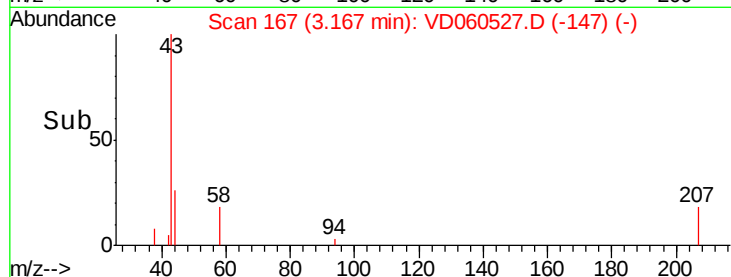
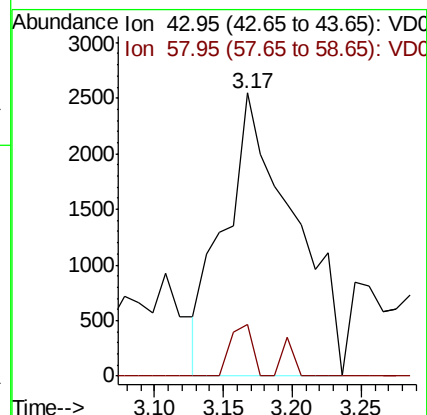
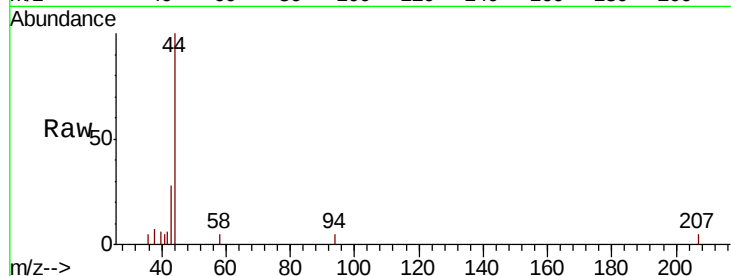
VD1211SBL01

Tot Ion: 43 Resp: 8839

Ion Ratio Lower Upper

43 100

58 18.5 17.3 25.9



#20

Methylene Chloride

Concen: Below Cal

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Tgt Ion: 84 Resp: 52715

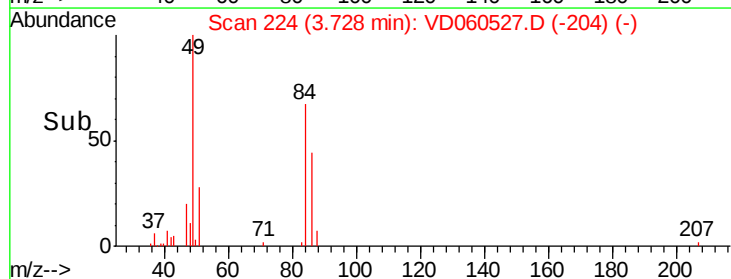
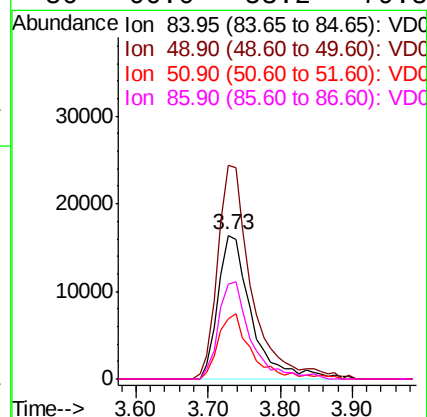
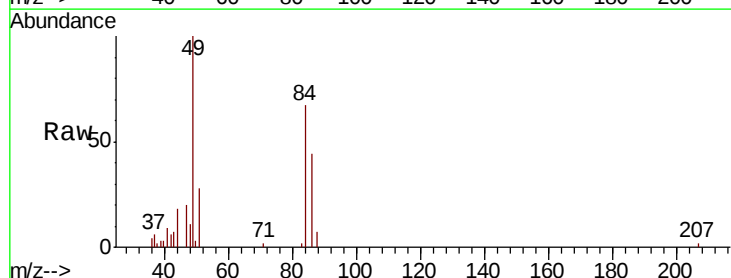
Ion Ratio Lower Upper

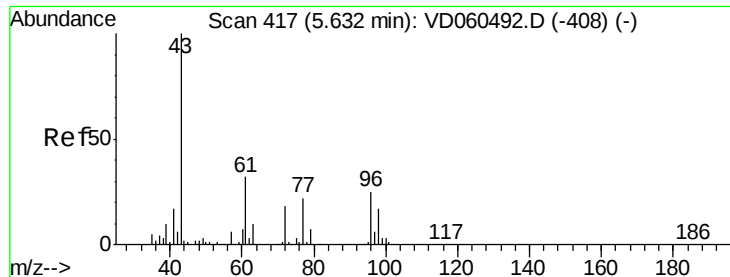
84 100

49 148.8 117.2 175.8

51 41.7 35.3 52.9

86 66.0 53.2 79.8





#25

2-Butanone

Concen: 1.956 ug/l

RT: 5.66 min Scan# 420

Delta R.T. 0.03 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

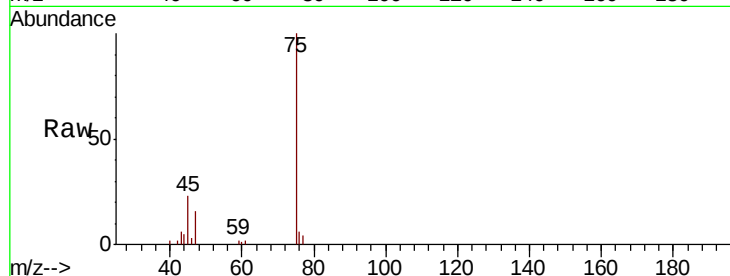
VD1211SBL01

Tot Ion: 43 Resp: 6826

Ion Ratio Lower Upper

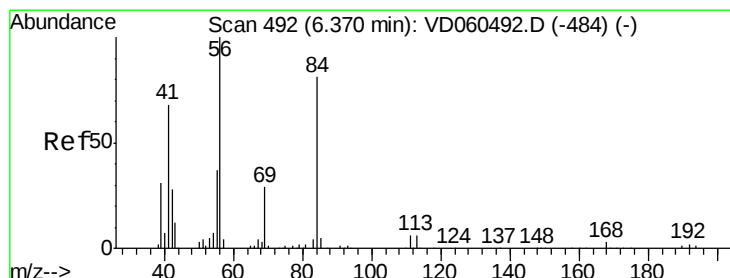
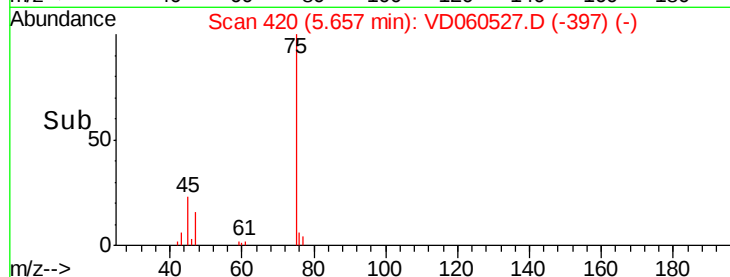
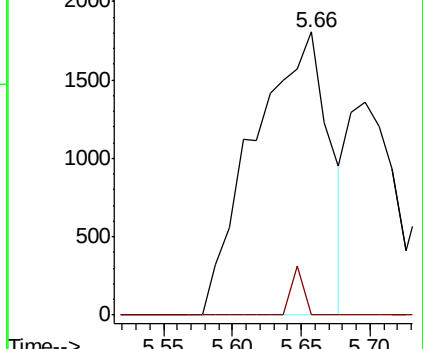
43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.41 min Scan# 497

Delta R.T. 0.04 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

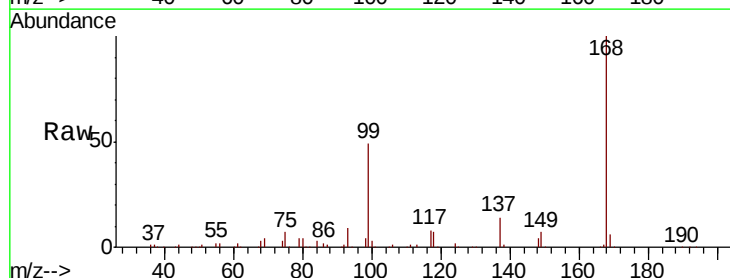
Tgt Ion: 56 Resp: 31967

Ion Ratio Lower Upper

56 100

69 213.4 22.8 34.2#

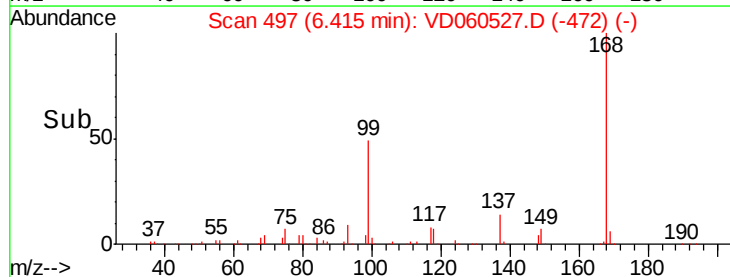
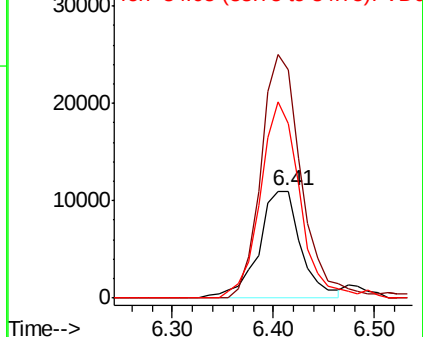
84 163.4 65.1 97.7#

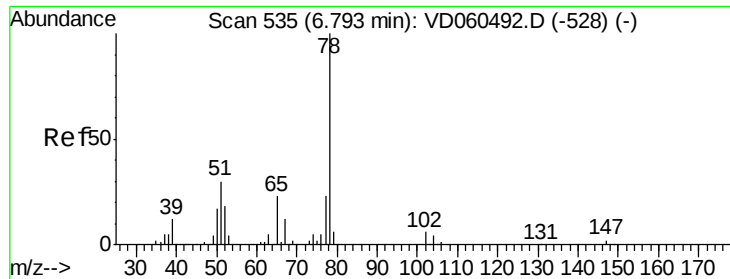


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

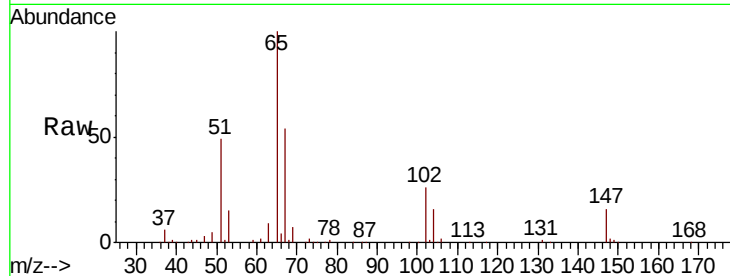
VD1211SBL01

Tot Ion: 65 Resp: 561043

Ion Ratio Lower Upper

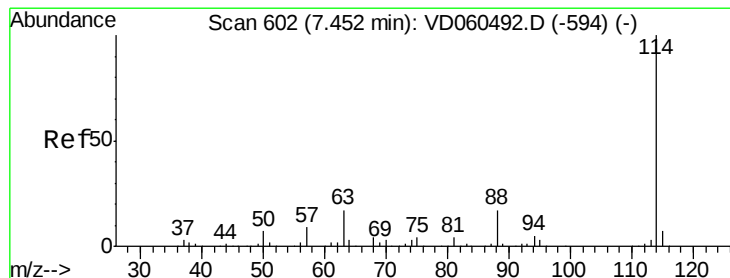
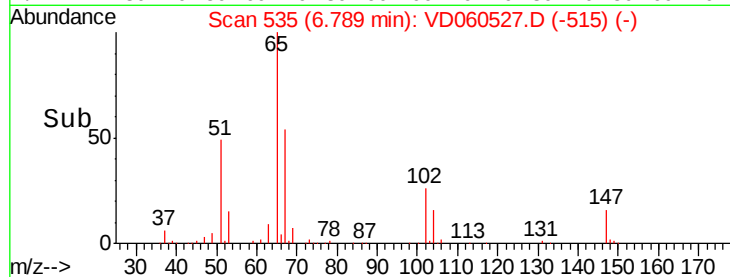
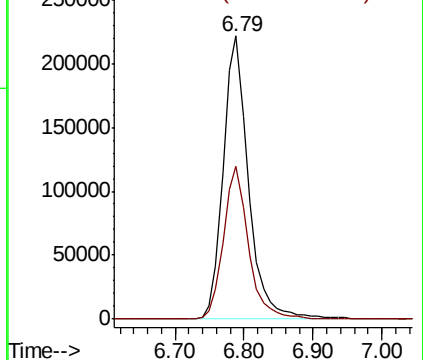
65 100

67 54.1 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: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

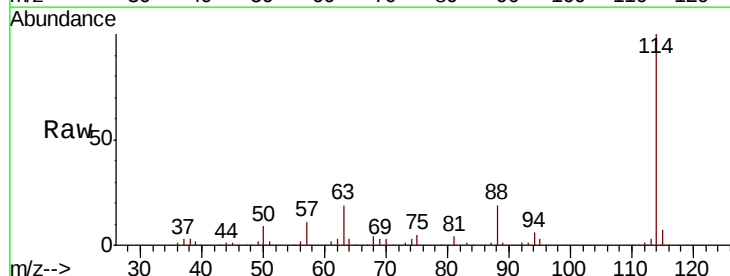
Tgt Ion: 114 Resp: 2160696

Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.2

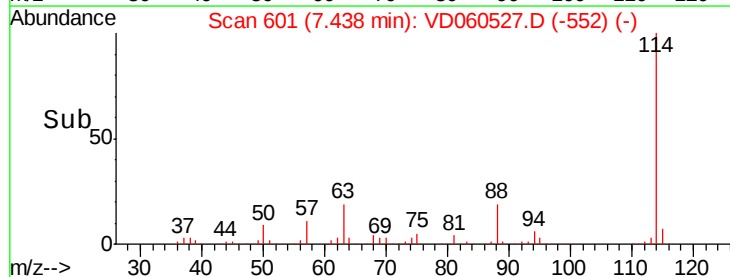
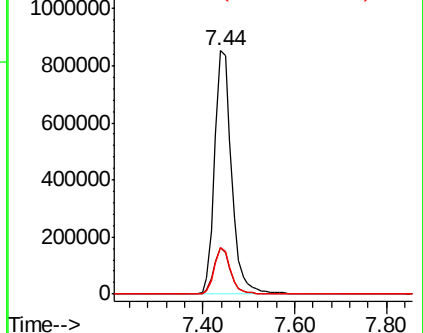
88 19.3 0.0 35.0

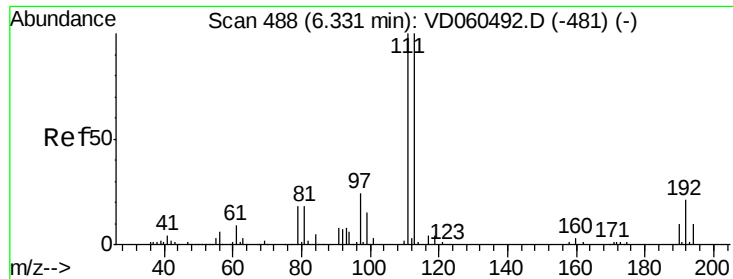


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

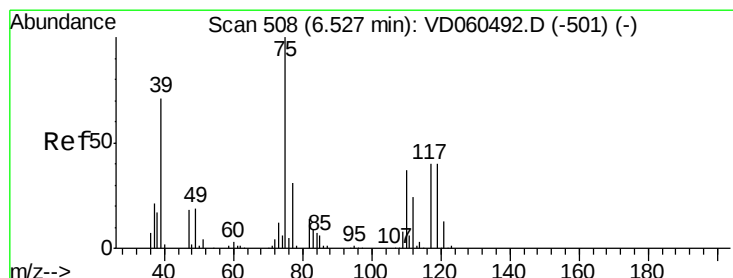
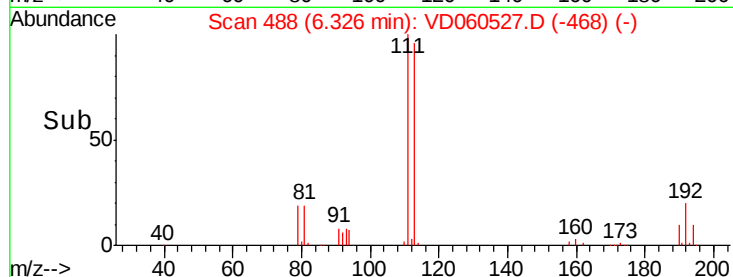
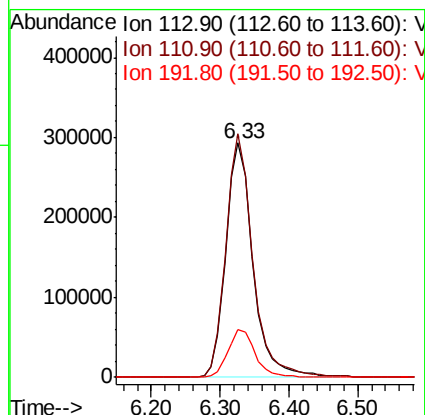
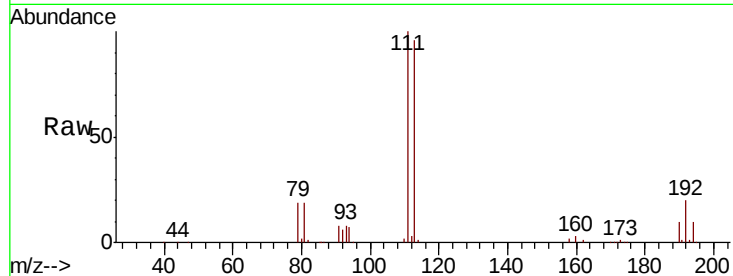




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VD060527.D
 Acq: 11 Dec 2018 11:07

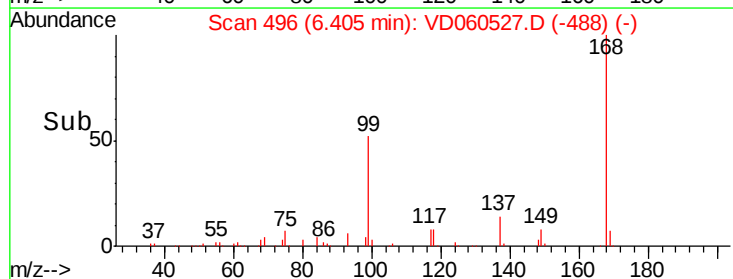
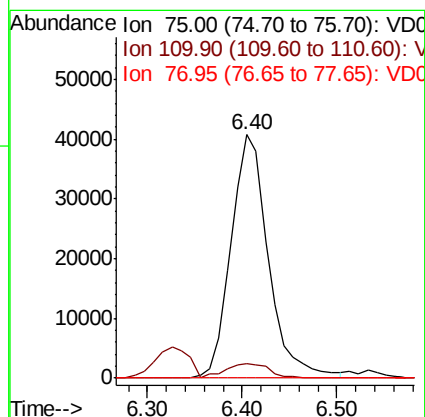
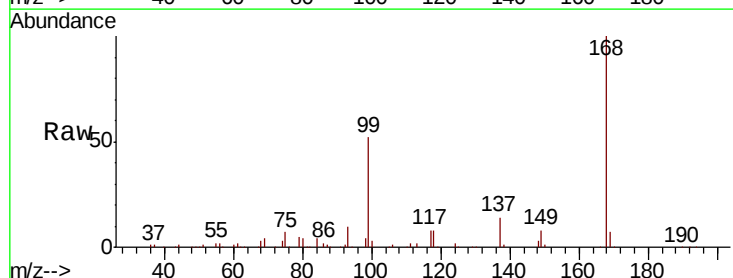
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBL01

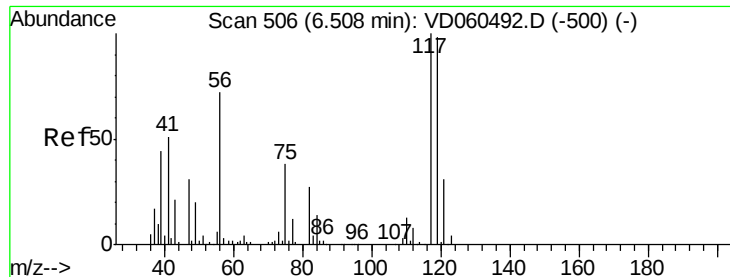
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.2	120.4
192	20.4	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 5.273 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060527.D
 Acq: 11 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.9	18.3	54.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.376 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

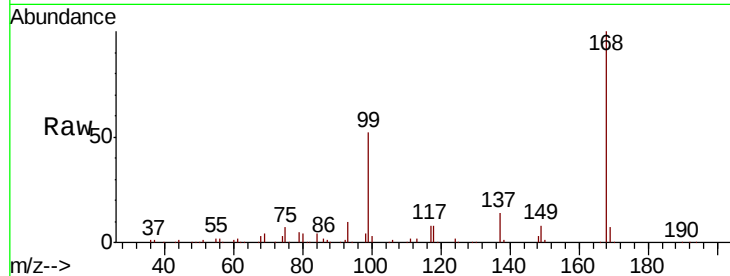
Tot Ion:117 Resp: 120895

Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

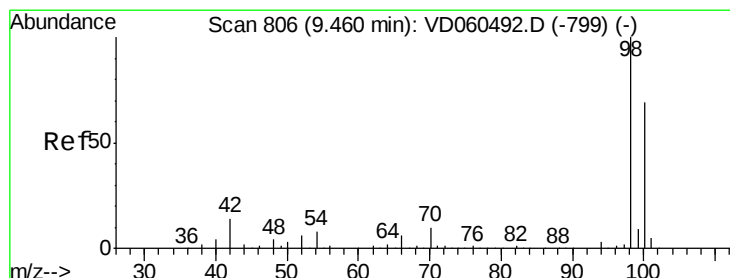
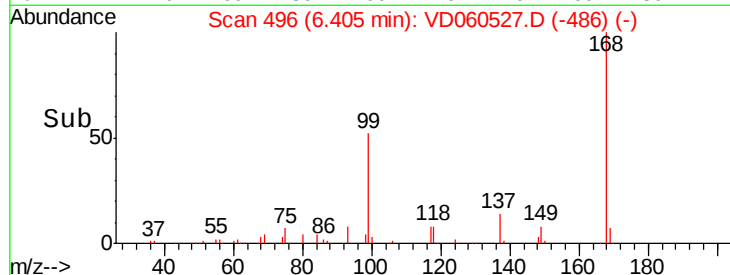
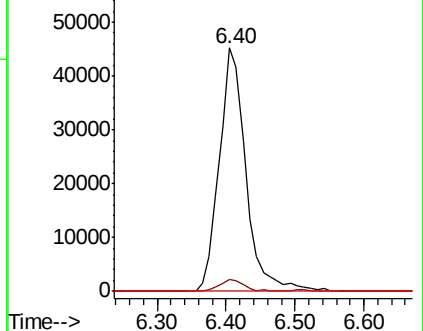
121 0.0 24.4 36.6#



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# 806

Delta R.T. -0.00 min

Lab File: VD060527.D

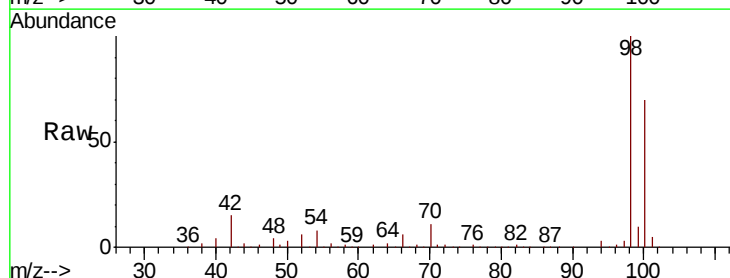
Acq: 11 Dec 2018 11:07

Tgt Ion: 98 Resp: 2373289

Ion Ratio Lower Upper

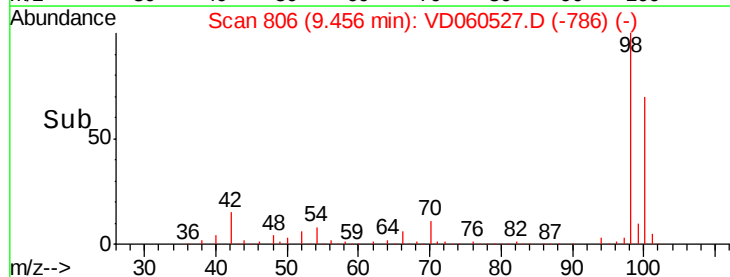
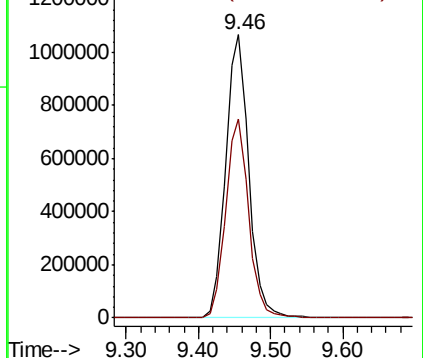
98 100

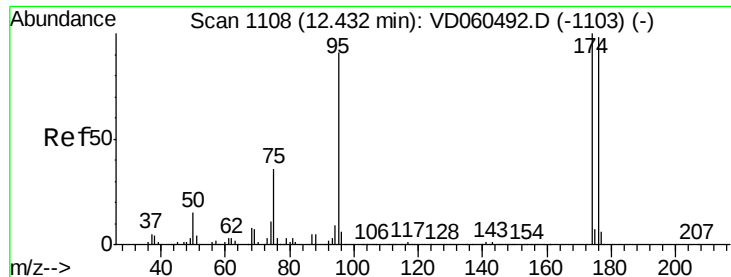
100 70.1 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

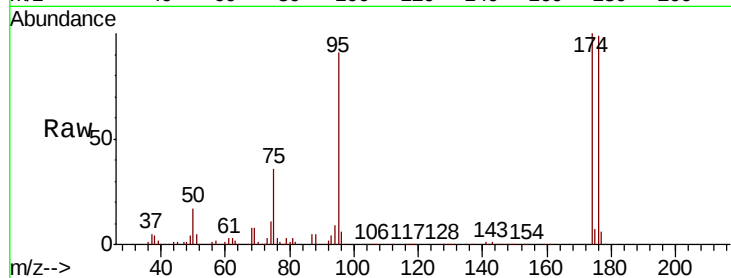
Tot Ion: 95 Resp: 833244

Ion Ratio Lower Upper

95 100

174 109.3 0.0 219.4

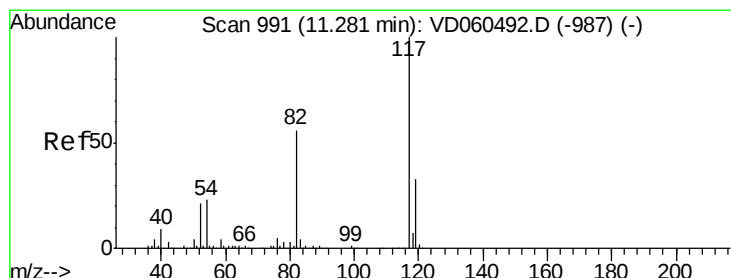
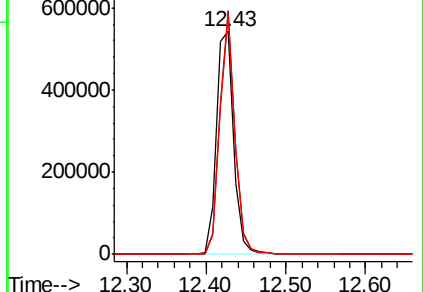
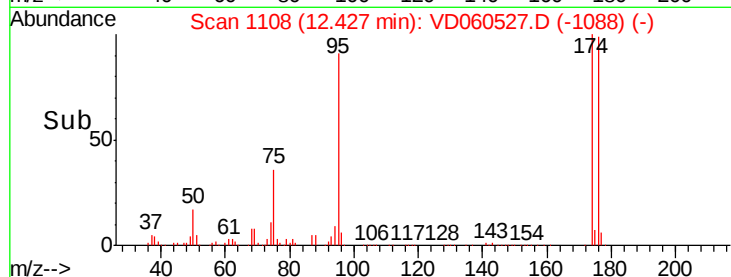
176 107.9 0.0 214.6



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# 991

Delta R.T. -0.00 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

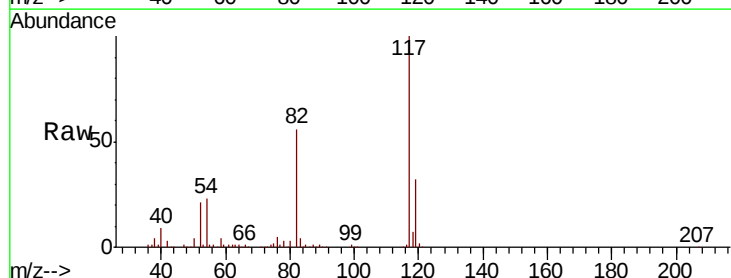
Tgt Ion: 117 Resp: 1705953

Ion Ratio Lower Upper

117 100

82 55.7 45.2 67.8

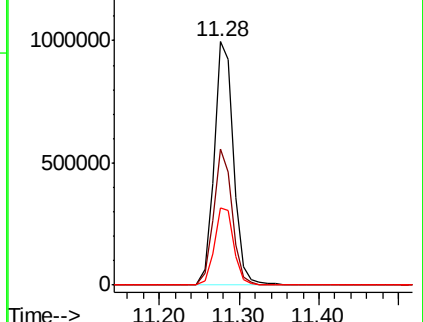
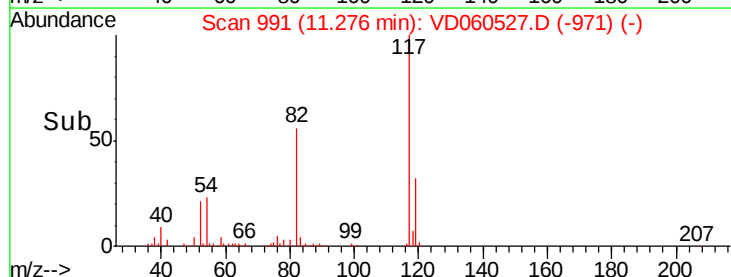
119 31.7 26.1 39.1

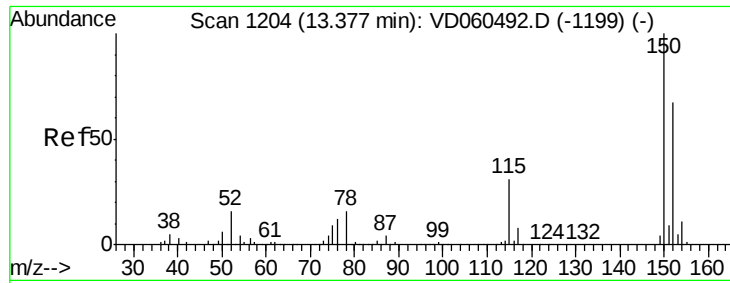


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBL01

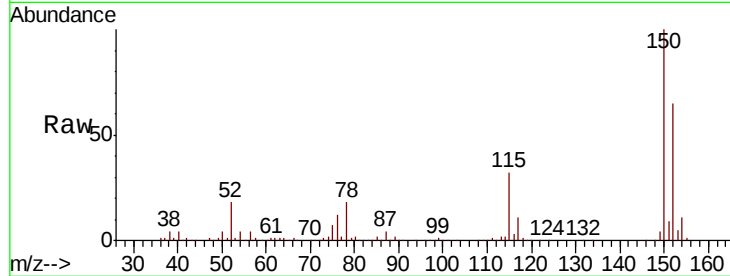
Tot Ion:152 Resp: 813759

Ion Ratio Lower Upper

152 100

115 49.5 24.6 74.0

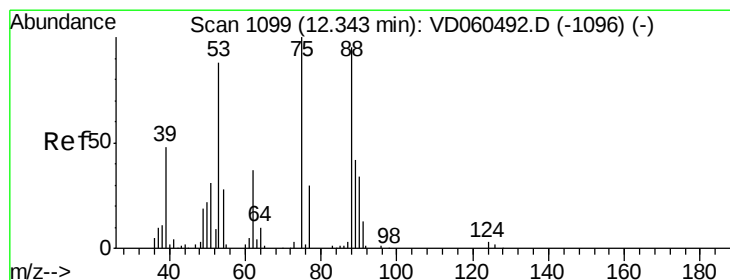
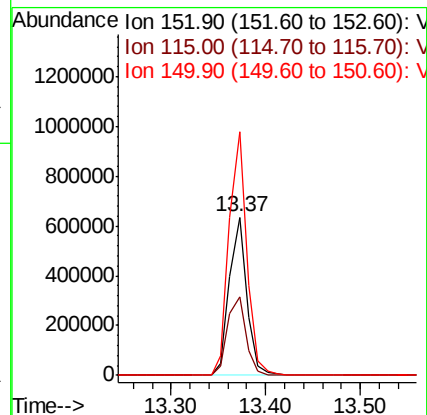
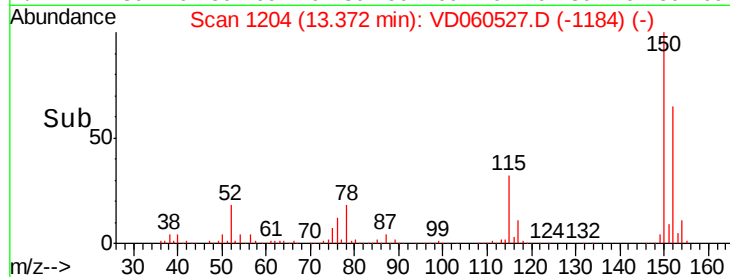
150 153.7 0.0 309.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 132.538 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060527.D

Acq: 11 Dec 2018 11:07

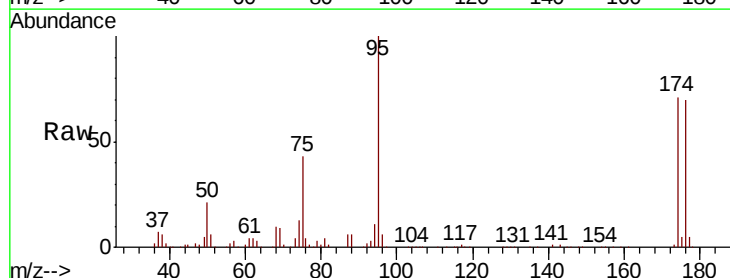
Tgt Ion: 75 Resp: 340836

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

