

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062049.D
 Acq On : 25 Apr 2019 20:22
 Operator : VA/AP
 Sample : K2564-02
 Misc : 5.34g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	207570	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	379235	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	343392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	134745	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	161060	99.14	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	198.28%	
35) Dibromofluoromethane	6.92	113	190815	72.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	145.50%	
50) Toluene-d8	10.41	98	380439	60.96	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	121.92%	
62) 4-Bromofluorobenzene	13.55	95	149967	59.91	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	119.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	849	1.437	ug/l #	12
16) Acetone	3.22	43	1923	4.958	ug/l #	50
20) Methylene Chloride	3.81	84	12134	3.457	ug/l #	89
31) Cyclohexane	7.04	56	2947	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	14500	4.908	ug/l #	46
38) Carbon Tetrachloride	7.04	117	20034	5.351	ug/l #	12
51) 4-Methyl-2-Pentanone	10.39	43	1574	1.399	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.55	75	58841	113.479	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062049.D

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MSVOA_D

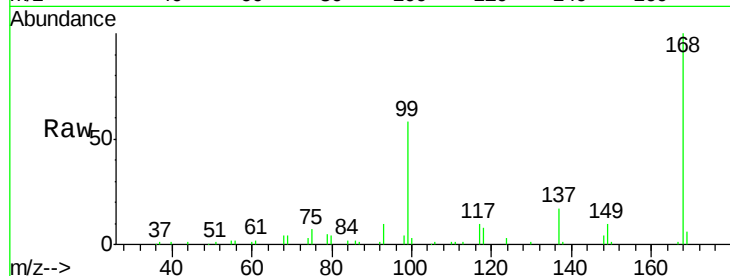
ClientSampleId :

Tot Ion:168 Resp: 207570

Ion Ratio Lower Upper

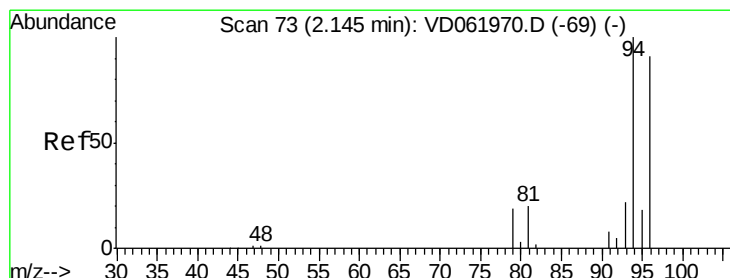
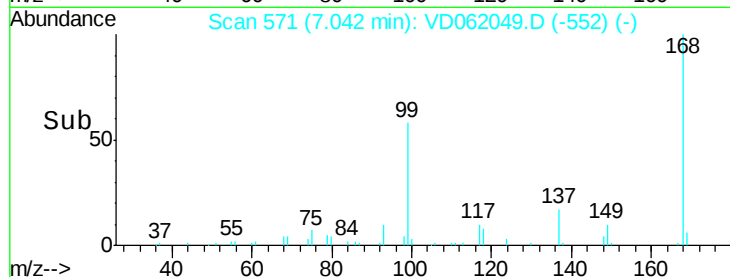
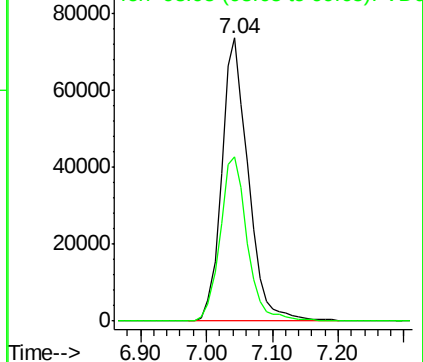
168 100

99 58.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.437 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

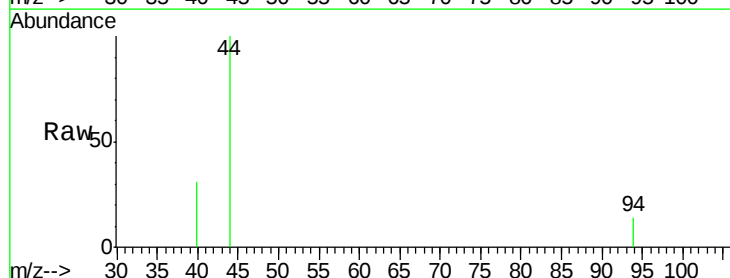
Tgt Ion: 94 Resp: 849

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

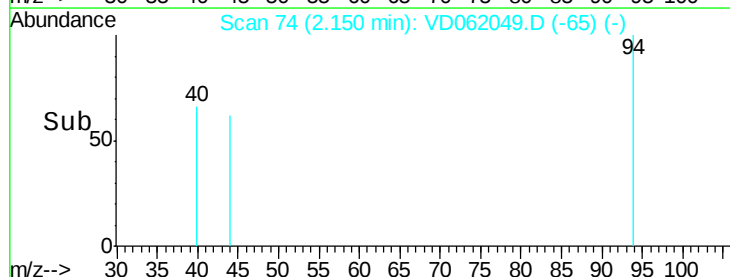
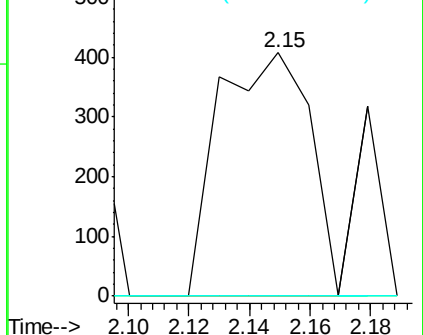
93 0.0 18.5 27.7#



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





#16

Acetone

Concen: 4.958 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :

MSVOA_D

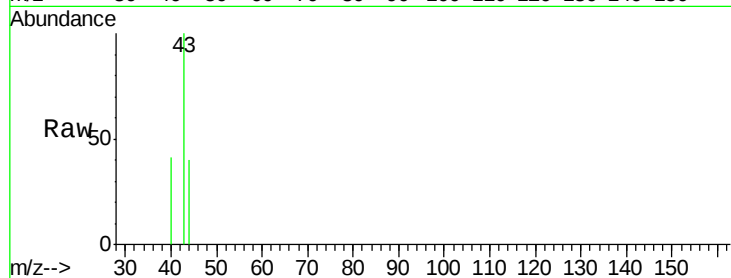
ClientSampled :

Tot Ion: 43 Resp: 1923

Ion Ratio Lower Upper

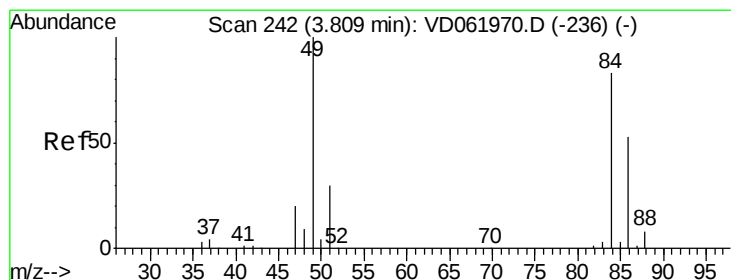
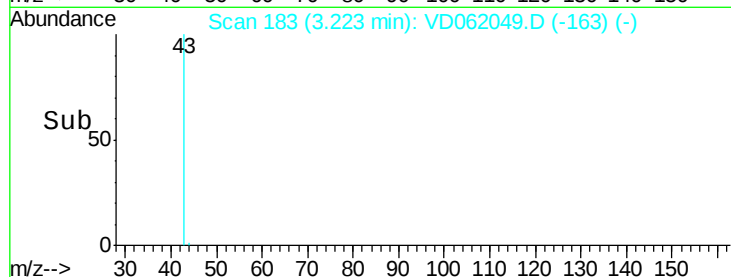
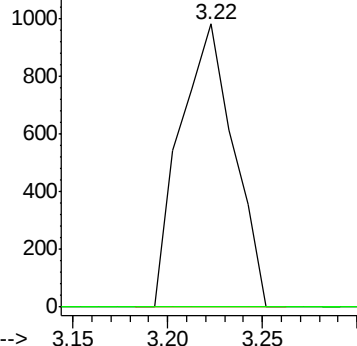
43 100

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



#20

Methylene Chloride

Concen: 3.457 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Tgt Ion: 84 Resp: 12134

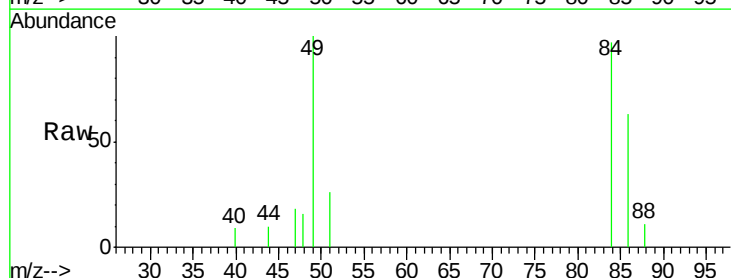
Ion Ratio Lower Upper

84 100

49 102.7 94.0 141.0

51 26.7 29.0 43.4#

86 65.2 49.8 74.6

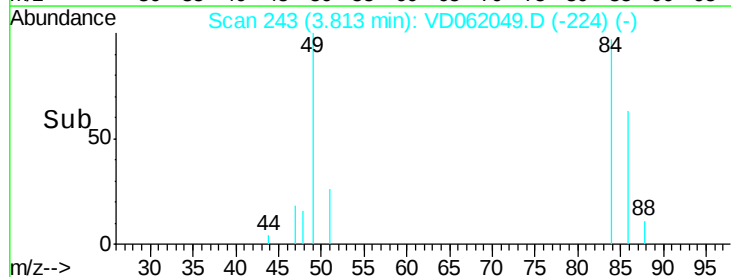
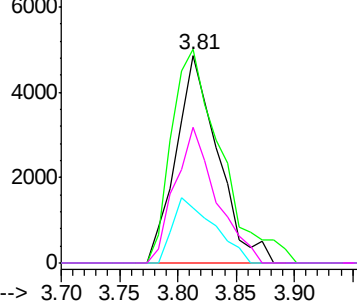


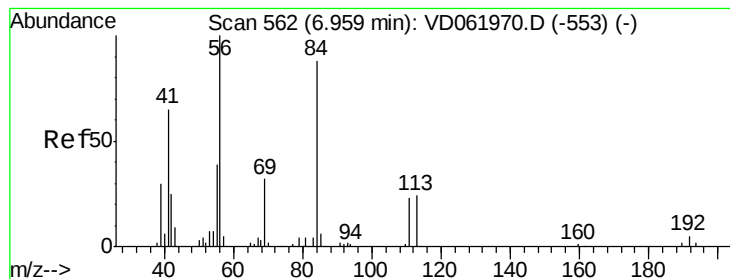
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :

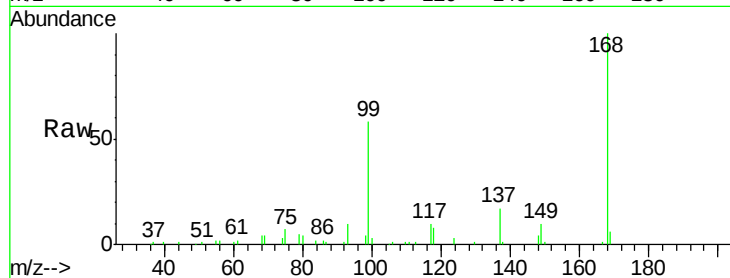
Tot Ion: 56 Resp: 2947

Ion Ratio Lower Upper

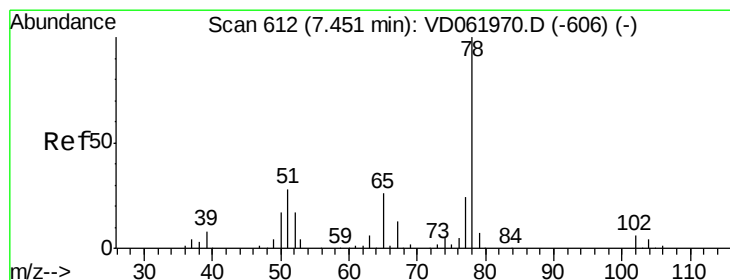
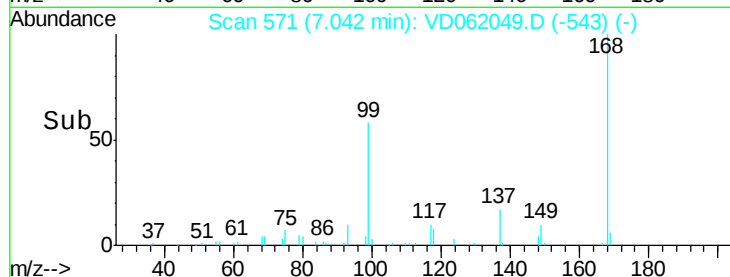
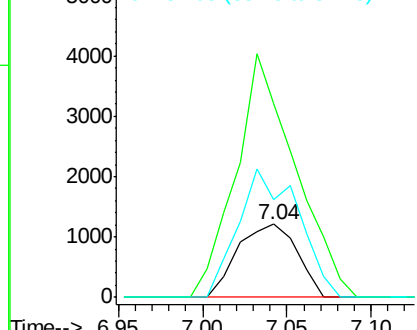
56 100

69 264.6 25.8 38.6#

84 133.8 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: 99.141 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062049.D

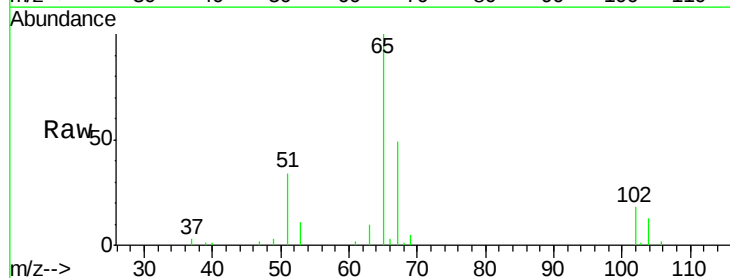
Acq: 25 Apr 2019 20:22

Tgt Ion: 65 Resp: 161060

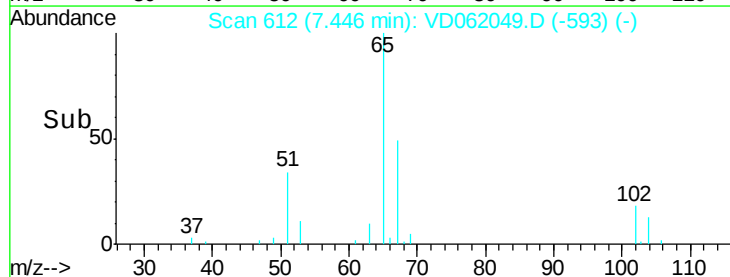
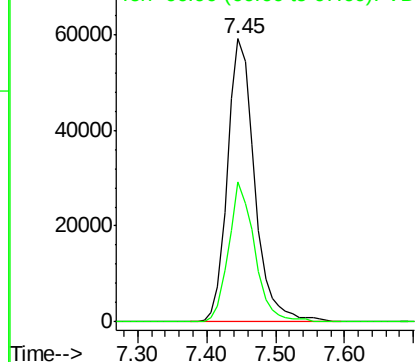
Ion Ratio Lower Upper

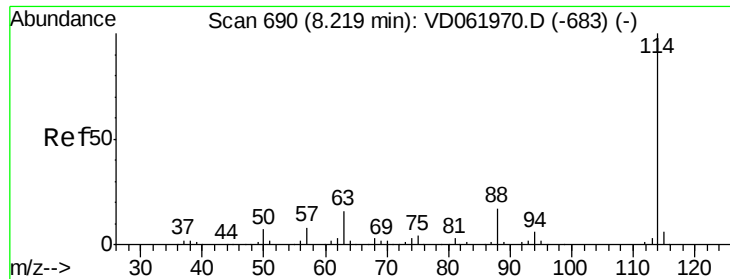
65 100

67 49.4 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: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

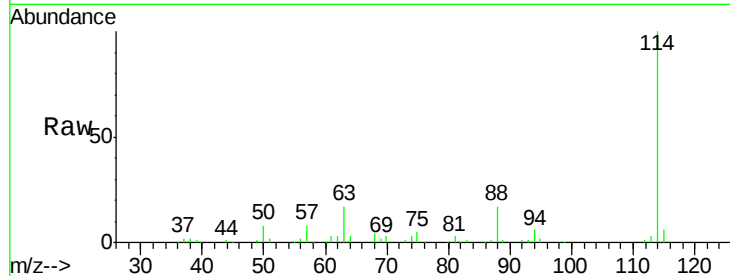
Tot Ion:114 Resp: 379235

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.4

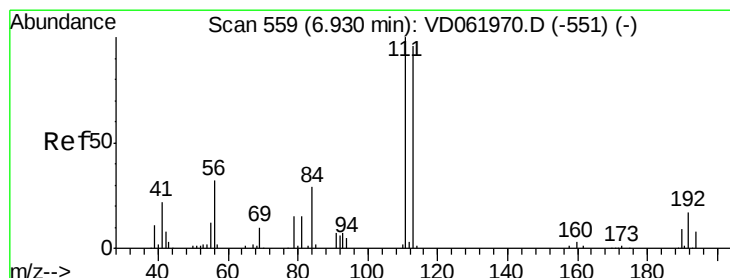
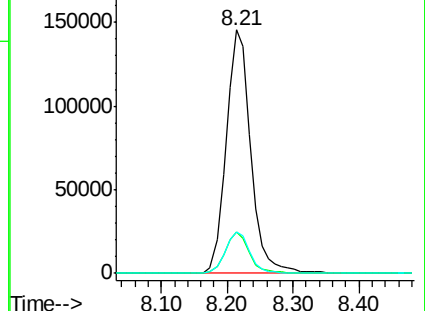
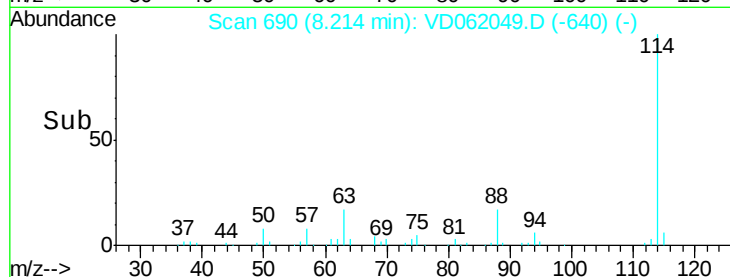
88 17.1 0.0 33.6



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: 72.753 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

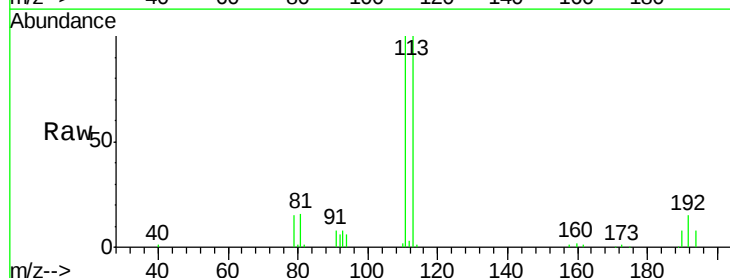
Tgt Ion:113 Resp: 190815

Ion Ratio Lower Upper

113 100

111 100.4 78.5 117.7

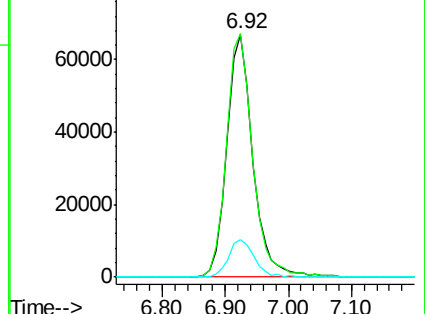
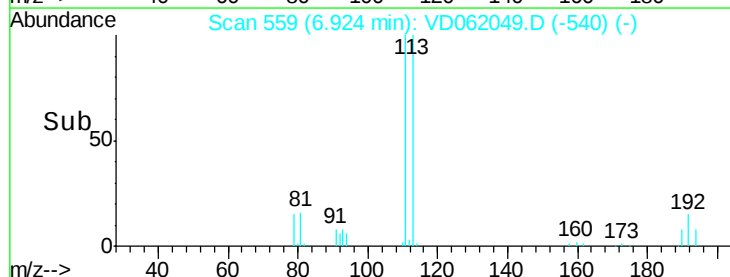
192 15.4 13.0 19.4

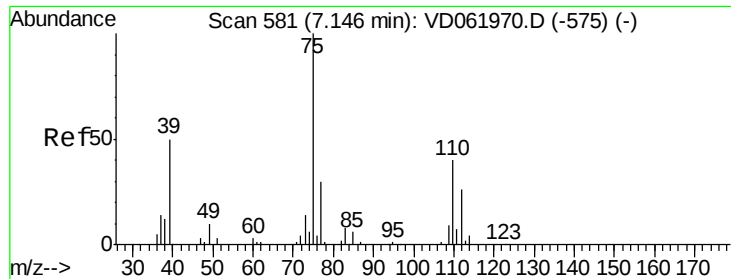


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

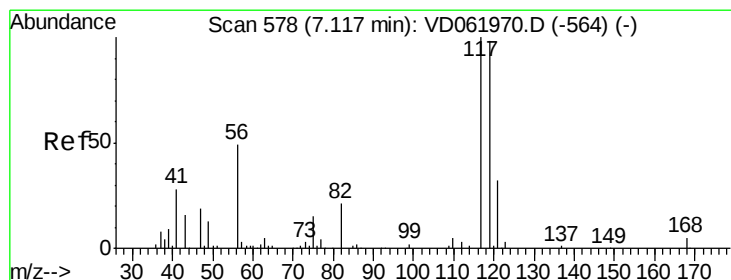
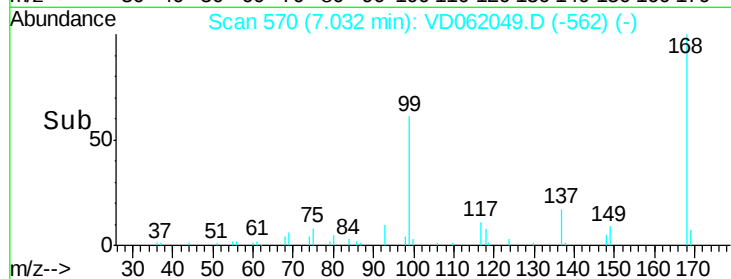
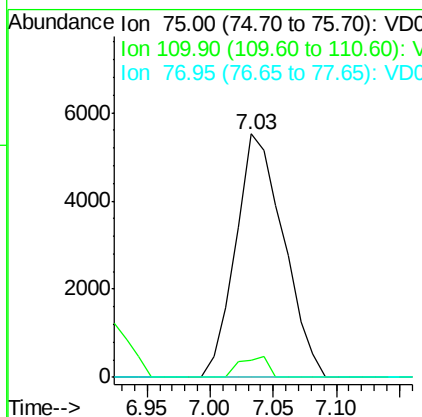
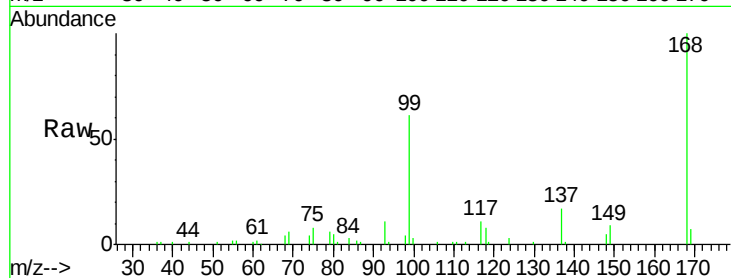




#36
 1,1-Dichloropropene
 Concen: 4.908 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD062049.D
 Acq: 25 Apr 2019 20:22

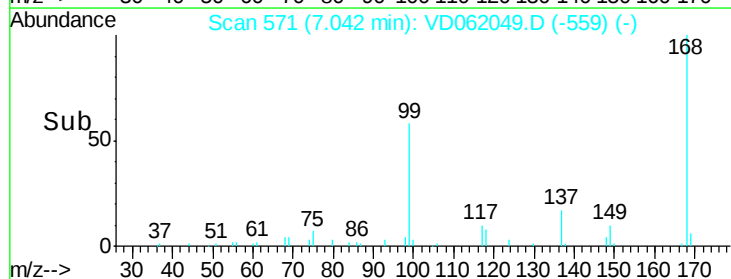
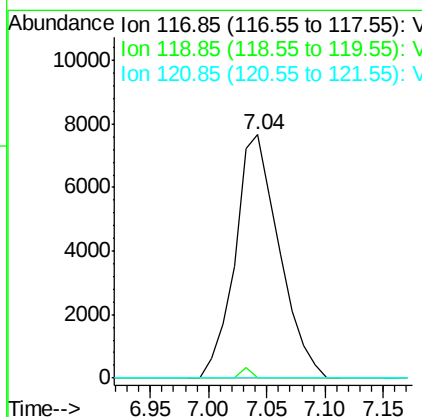
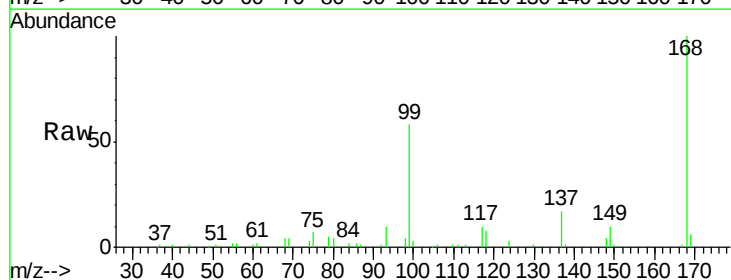
Instrument :
 MSVOA_D
 ClientSampleId :

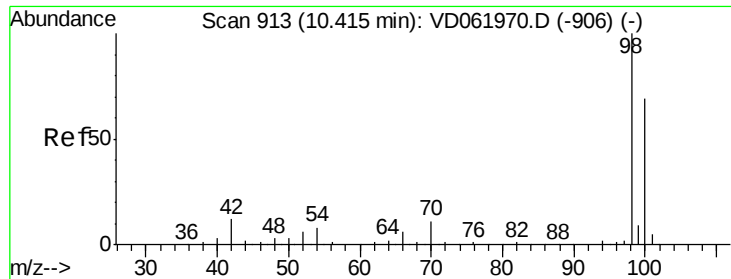
Tot Ion: 75 Resp: 14500
 Ion Ratio Lower Upper
 75 100
 110 7.0 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 5.351 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062049.D
 Acq: 25 Apr 2019 20:22

Tgt Ion: 117 Resp: 20034
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.8 113.8#
 121 0.0 25.9 38.9#

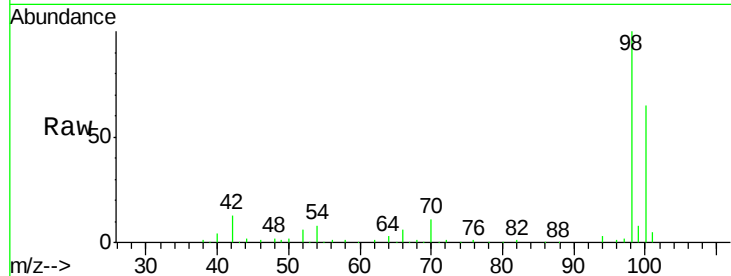




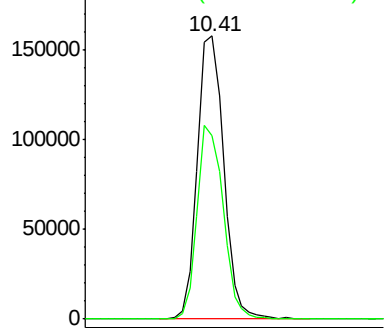
#50
Toluene-d8
Concen: 60.959 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062049.D
Acq: 25 Apr 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :

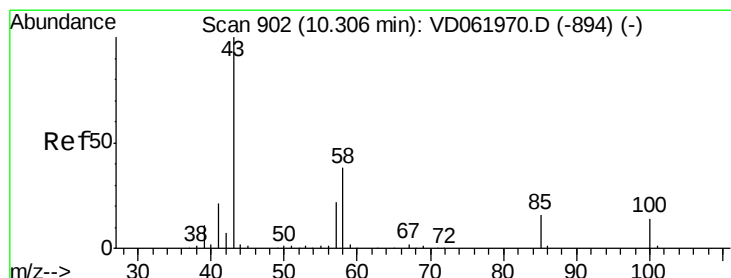
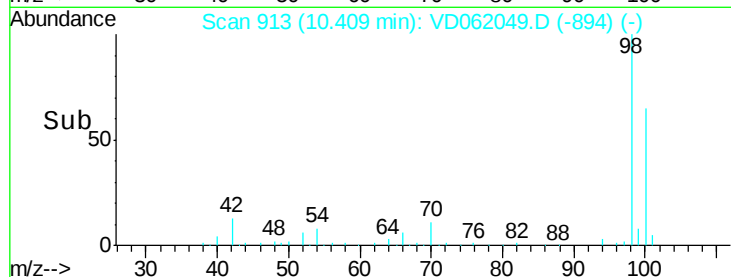
Tot Ion: 98 Resp: 380439
Ion Ratio Lower Upper
98 100
100 64.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

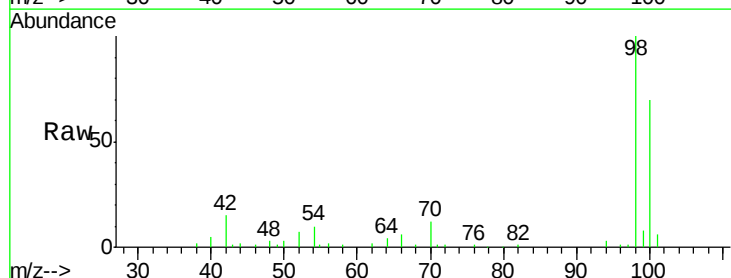


Time-->

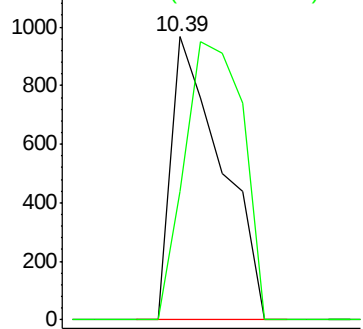


#51
4-Methyl-2-Pentanone
Concen: 1.399 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD062049.D
Acq: 25 Apr 2019 20:22

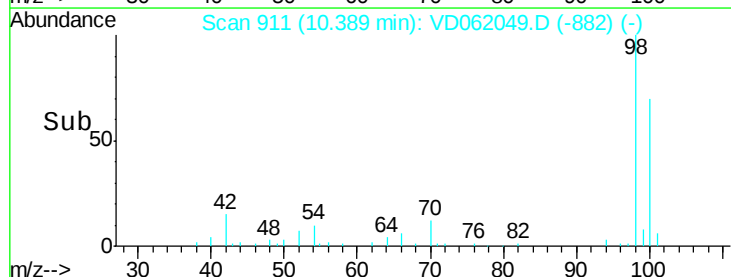
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 45.2 30.4 45.6

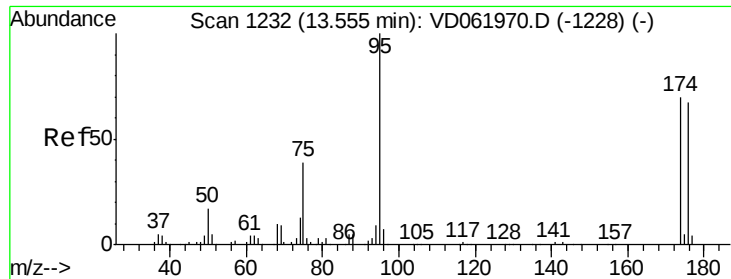


Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)



Time-->

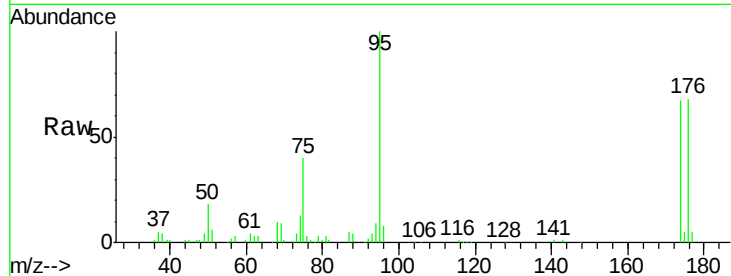




#62
4-Bromofluorobenzene
Concen: 59.911 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062049.D
Acq: 25 Apr 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :

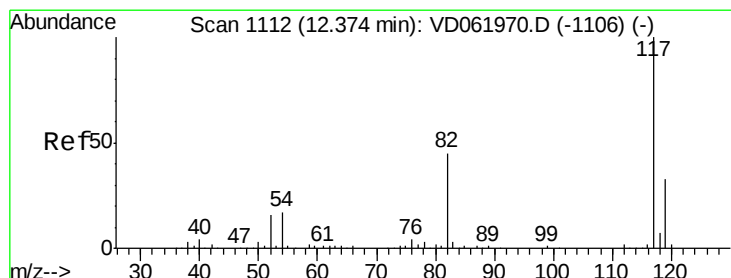
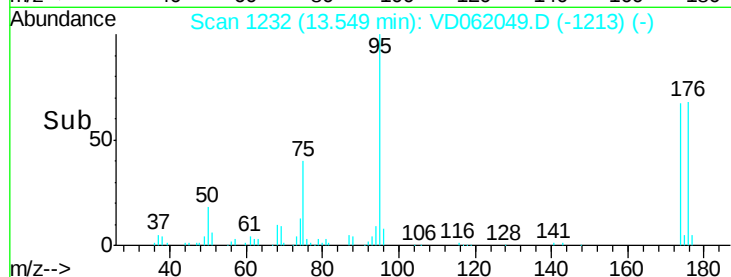
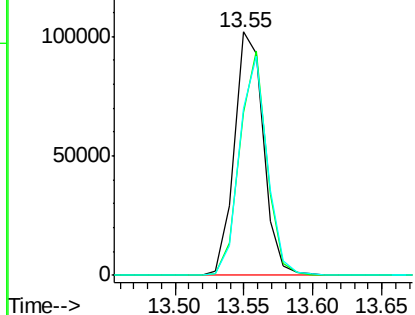
Tot Ion	95	Resp	149967
Ion Ratio	Lower	Upper	
95	100		
174	67.0	0.0	181.8
176	68.3	0.0	174.4



Abundance Ion 95.00 (94.70 to 95.70): V

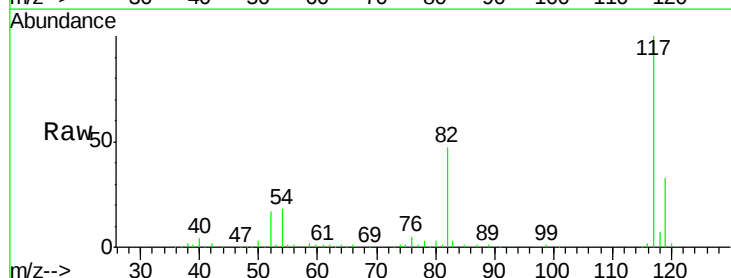
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062049.D
Acq: 25 Apr 2019 20:22

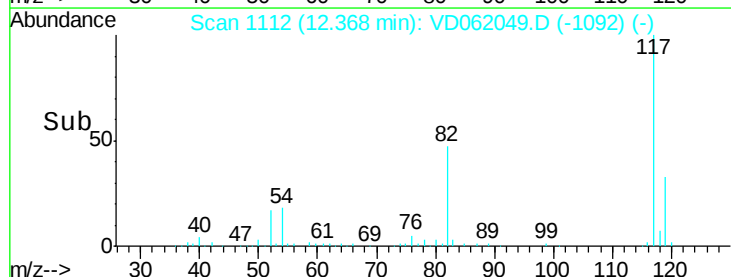
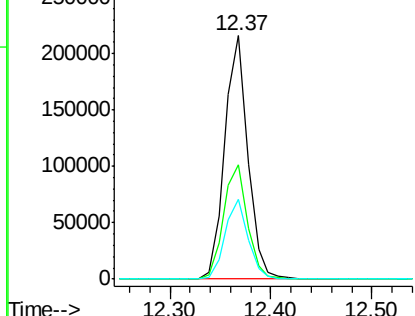
Tgt Ion	117	Resp	343392
Ion Ratio	Lower	Upper	
117	100		
82	47.2	36.2	54.2
119	32.9	26.2	39.4

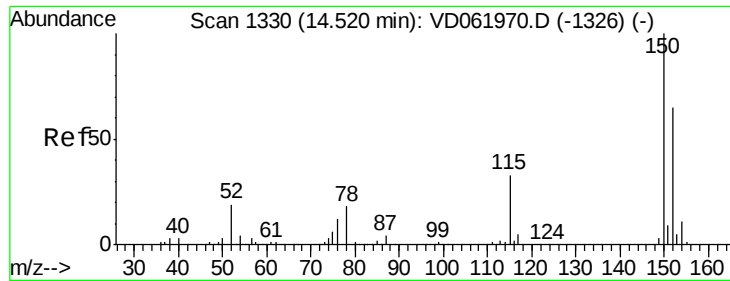


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

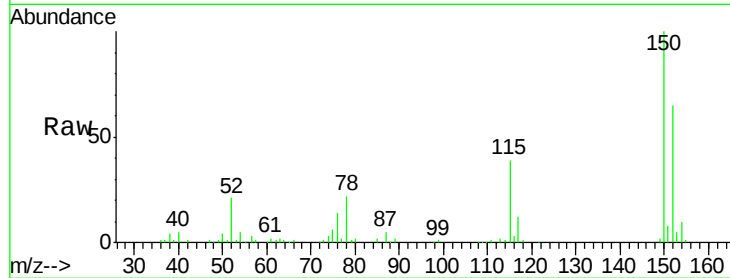
Tot Ion:152 Resp: 134745

Ion Ratio Lower Upper

152 100

115 60.3 30.9 92.7

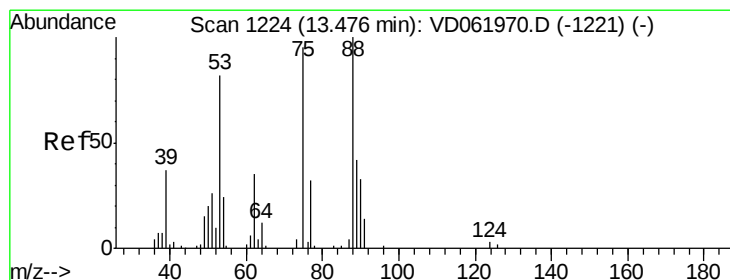
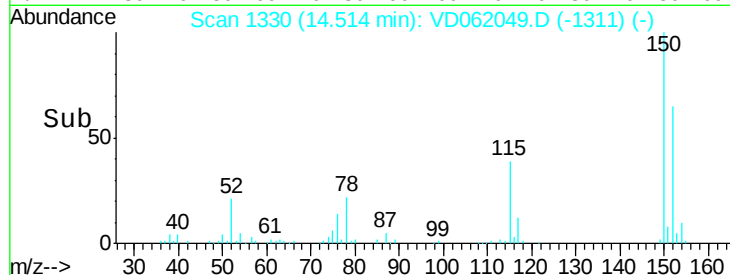
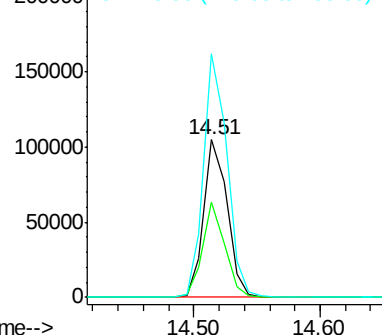
150 154.6 0.0 314.8



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: 113.479 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

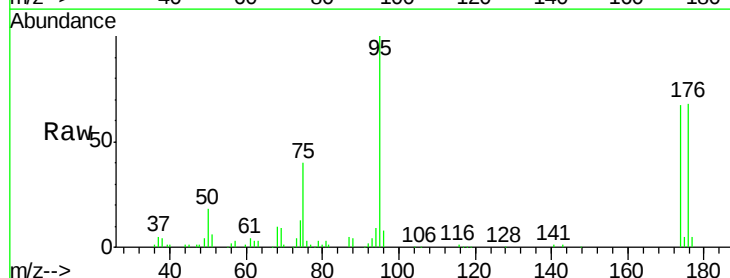
Tgt Ion: 75 Resp: 58841

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

