

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062067.D
 Acq On : 29 Apr 2019 17:19
 Operator : FY/SY
 Sample : K2584-04RE
 Misc : 5.04gm/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:11:29 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	7.02	168	565533	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	865662	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	704850	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	314387	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	253709	57.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	6.90	113	356723	59.58	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.16%	
50) Toluene-d8	10.38	98	722460	50.71	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	13.54	95	291210	50.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.94%	

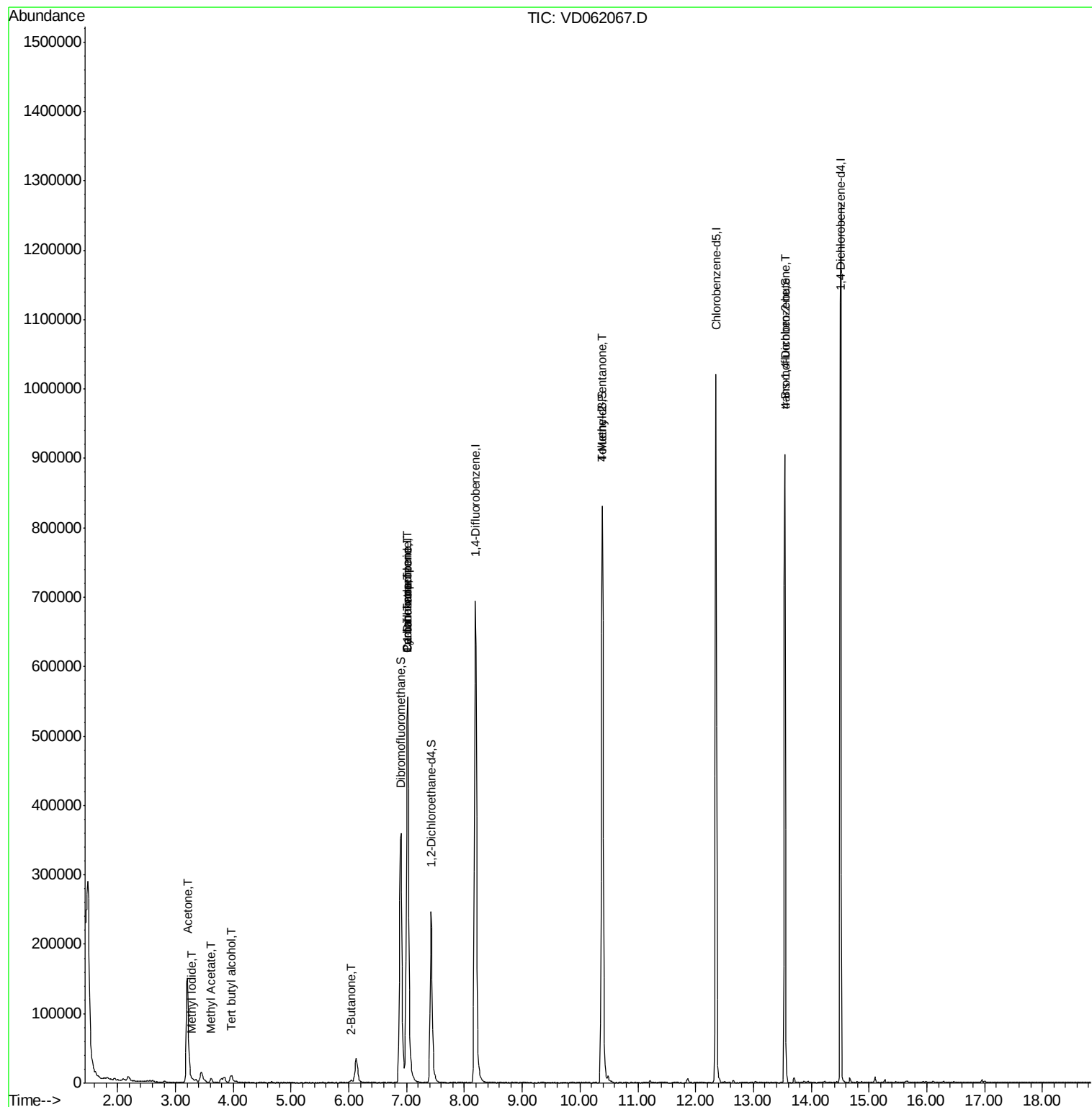
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	399	Below Cal	#	12
10) Methyl Iodide	3.29	142	392	5.471	ug/l #	37
11) Tert butyl alcohol	3.97	59	10940	43.746	ug/l #	76
16) Acetone	3.21	43	302984	286.689	ug/l	96
18) Methyl Acetate	3.62	43	11585	4.058	ug/l #	85
20) Methylene Chloride	3.80	84	5418	Below Cal	#	84
25) 2-Butanone	6.03	43	9193	7.175	ug/l #	91
31) Cyclohexane	7.02	56	9479	1.438	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	39917	5.918	ug/l #	48
38) Carbon Tetrachloride	7.02	117	55012	6.437	ug/l #	16
51) 4-Methyl-2-Pentanone	10.38	43	2628	1.023	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	110916	91.681	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

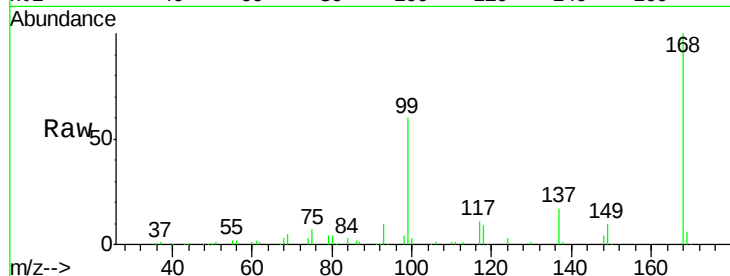
ClientSampleId :

Tot Ion:168 Resp: 565533

Ion Ratio Lower Upper

168 100

99 60.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.02

200000

150000

100000

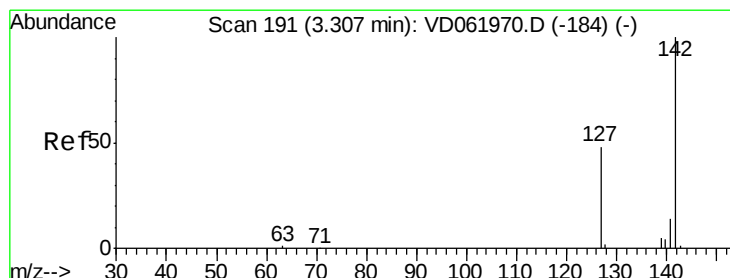
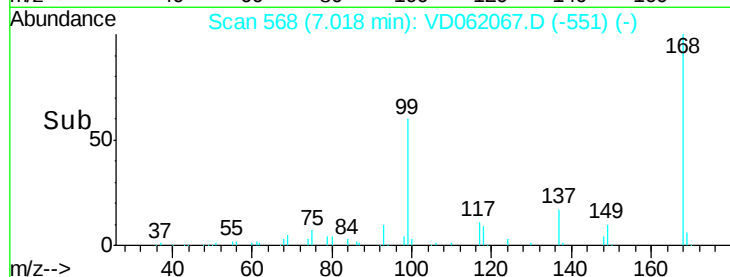
50000

0

7.00

7.20

Time-->



#10

Methyl Iodide

Concen: 5.471 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

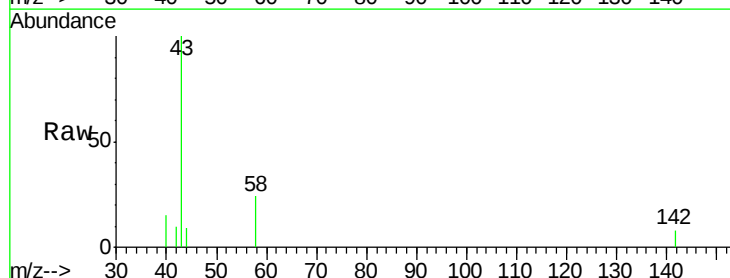
Tgt Ion:142 Resp: 392

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.29

600

500

400

300

200

100

0

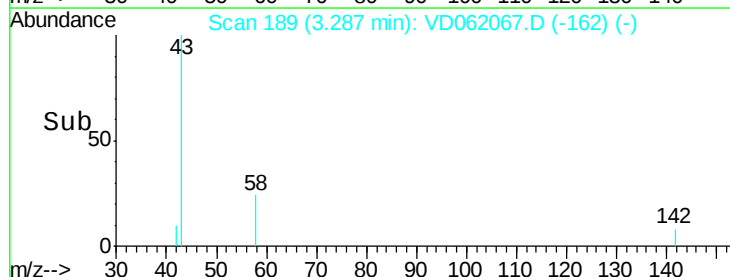
3.26

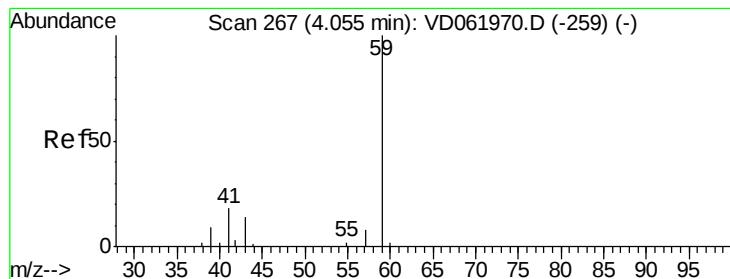
3.28

3.30

3.32

Time-->



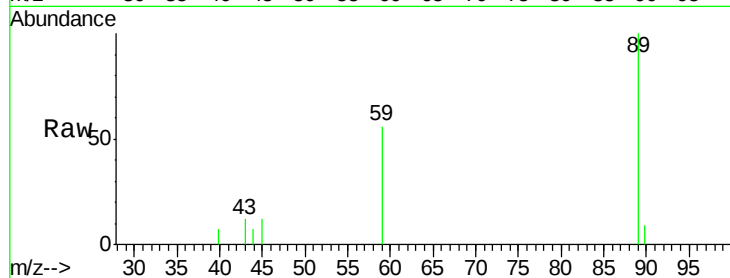


#11

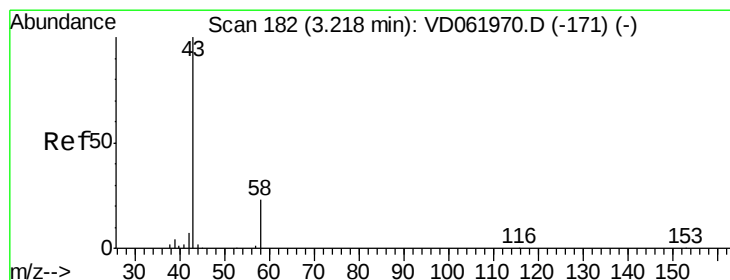
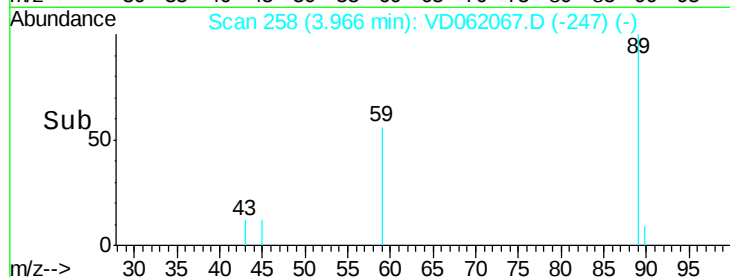
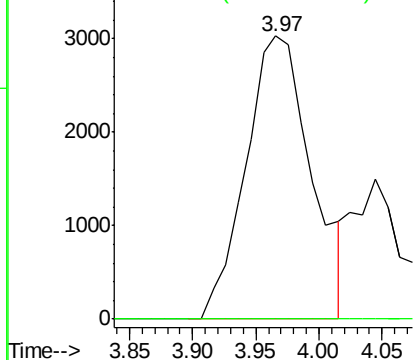
Tert butyl alcohol
 Concen: 43.746 ug/l
 RT: 3.97 min Scan# 258
 Delta R.T. -0.09 min
 Lab File: VD062067.D
 Acq: 29 Apr 2019 17:19

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 10940
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



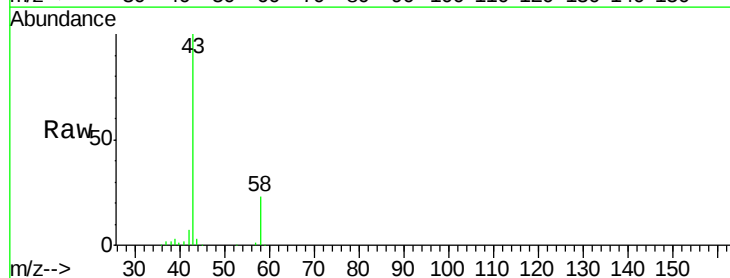
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



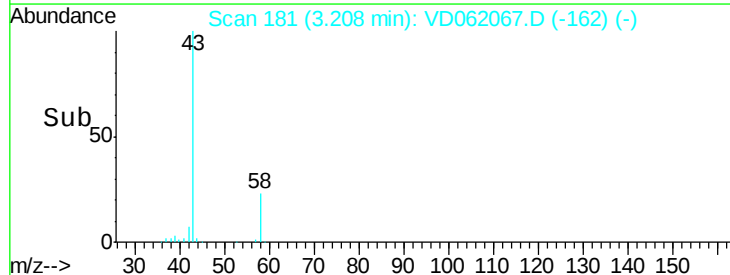
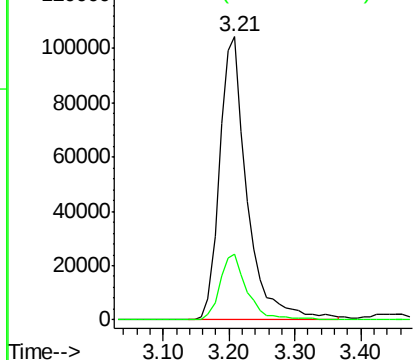
#16

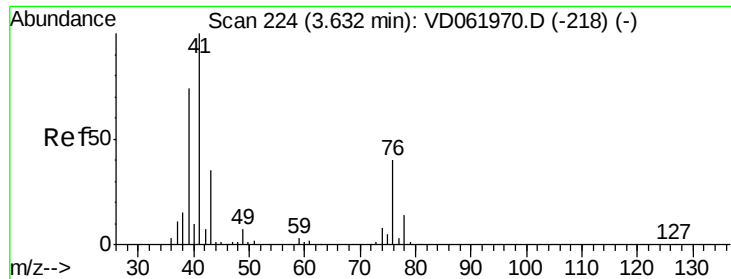
Acetone
 Concen: 286.689 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VD062067.D
 Acq: 29 Apr 2019 17:19

Tgt Ion: 43 Resp: 302984
 Ion Ratio Lower Upper
 43 100
 58 23.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

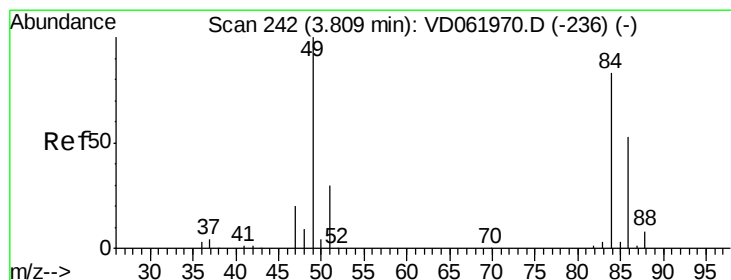
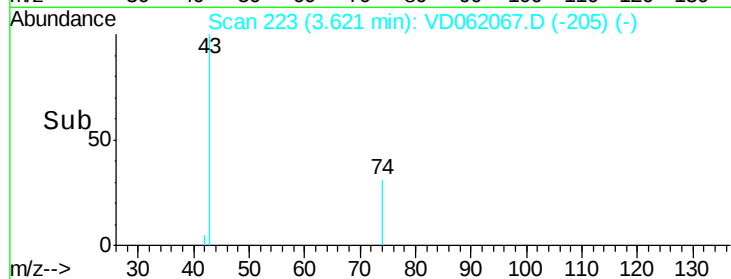
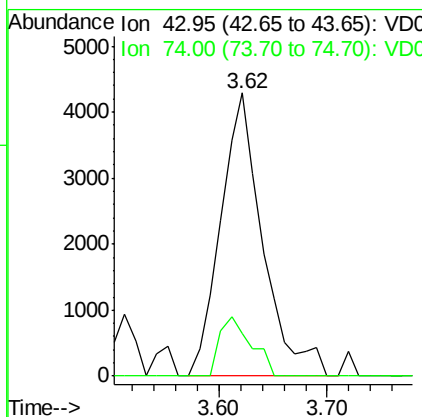
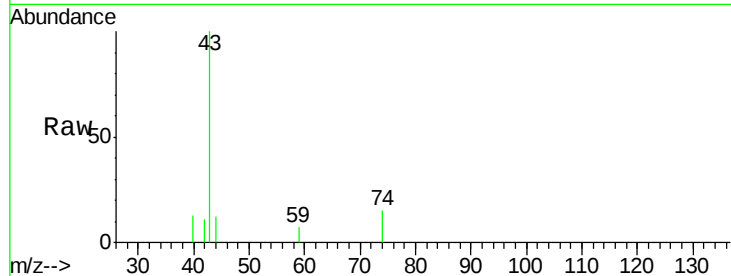




#18
Methyl Acetate
Concen: 4.058 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062067.D
Acq: 29 Apr 2019 17:19

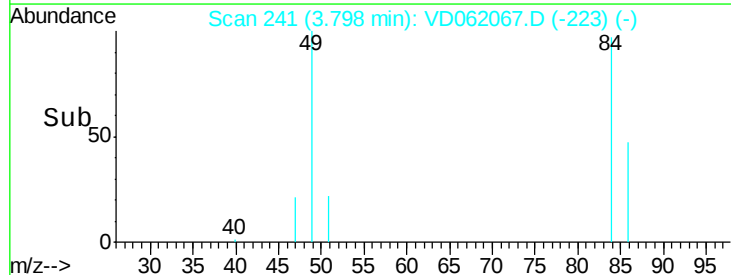
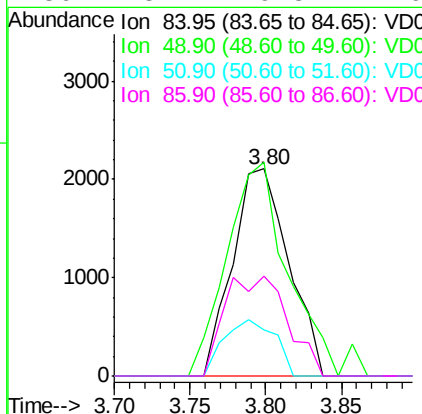
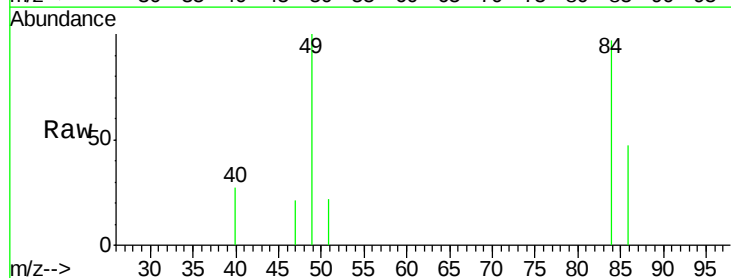
Instrument :
MSVOA_D
ClientSampleId :

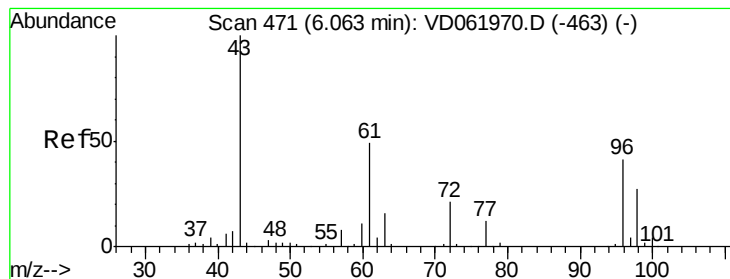
Tot Ion: 43 Resp: 11585
Ion Ratio Lower Upper
43 100
74 15.2 18.0 27.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062067.D
Acq: 29 Apr 2019 17:19

Tgt Ion: 84 Resp: 5418
Ion Ratio Lower Upper
84 100
49 103.1 94.0 141.0
51 22.5 29.0 43.4#
86 48.4 49.8 74.6#





#25

2-Butanone

Concen: 7.175 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.04 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

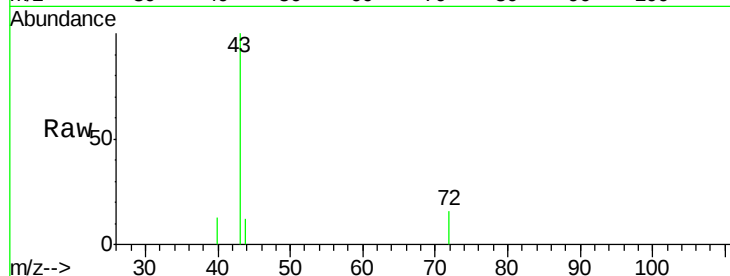
ClientSampleId :

Tot Ion: 43 Resp: 9193

Ion Ratio Lower Upper

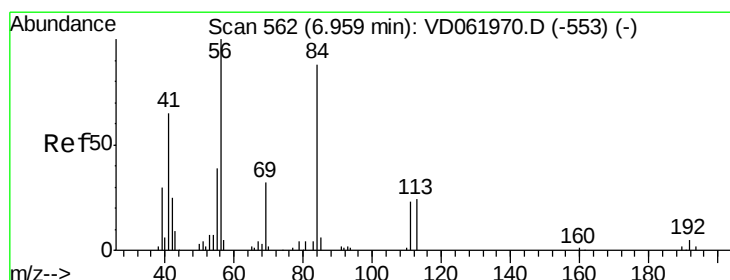
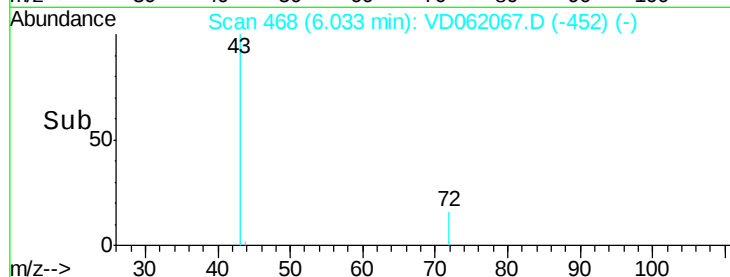
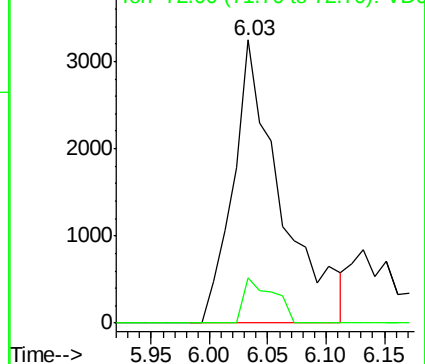
43 100

72 16.1 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.438 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

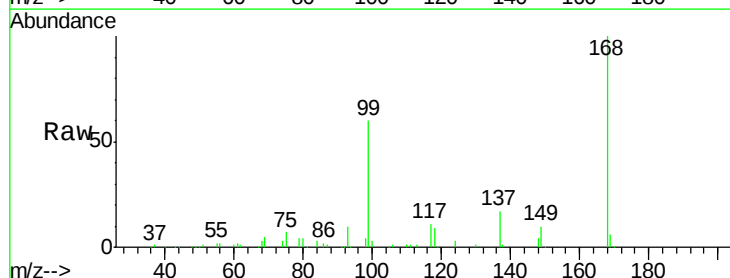
Tgt Ion: 56 Resp: 9479

Ion Ratio Lower Upper

56 100

69 244.7 25.8 38.6#

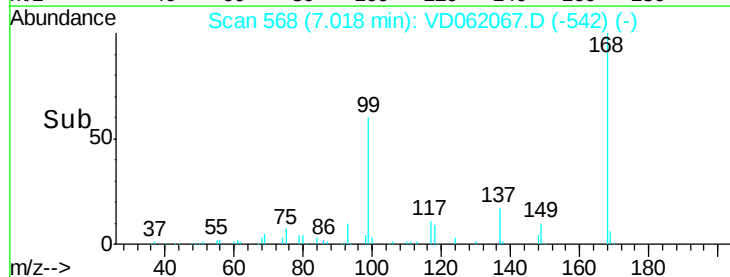
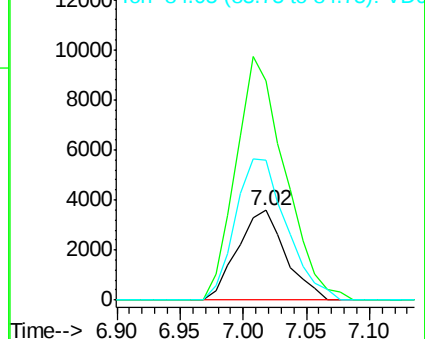
84 156.4 72.2 108.4#

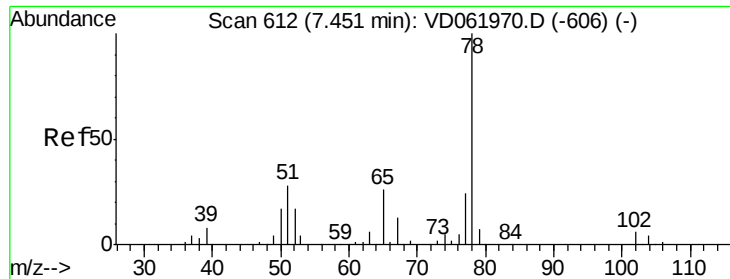


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 57.320 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.03 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

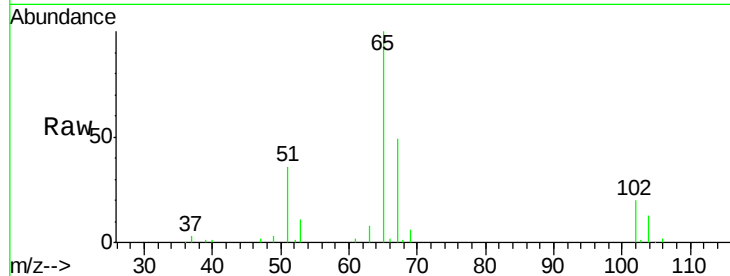
ClientSampleId :

Tot Ion: 65 Resp: 253709

Ion Ratio Lower Upper

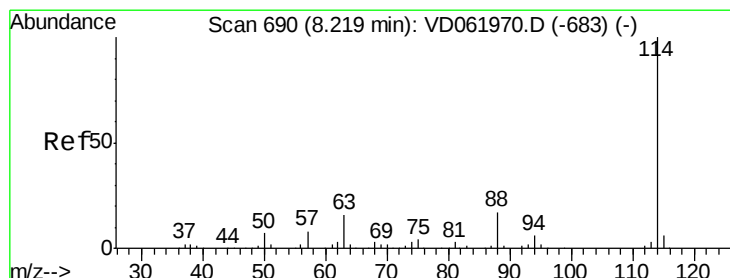
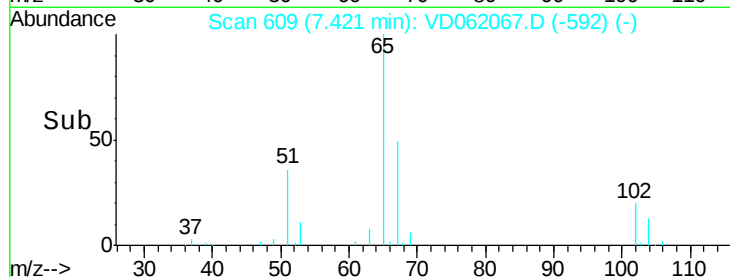
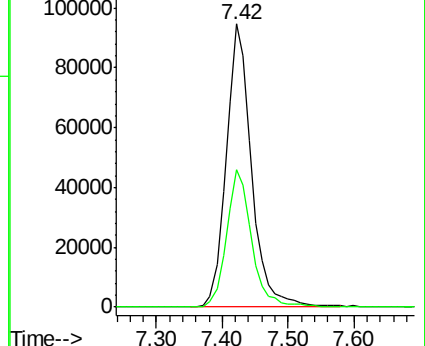
65 100

67 48.8 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: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

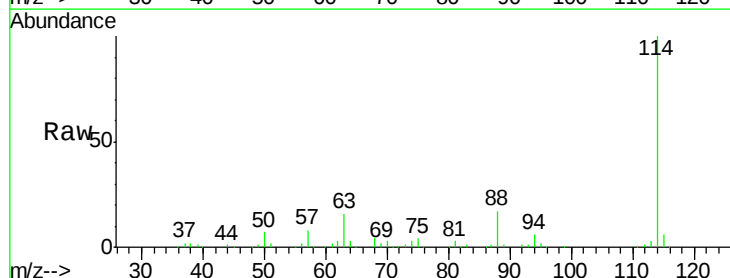
Tgt Ion: 114 Resp: 865662

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.4

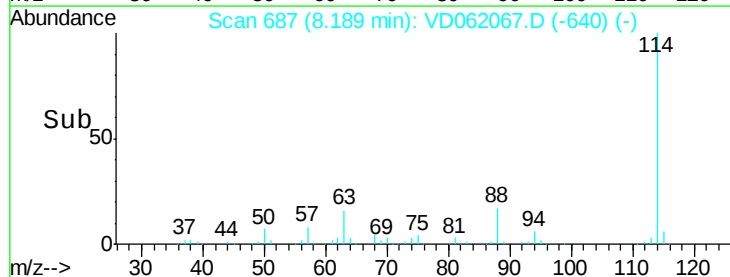
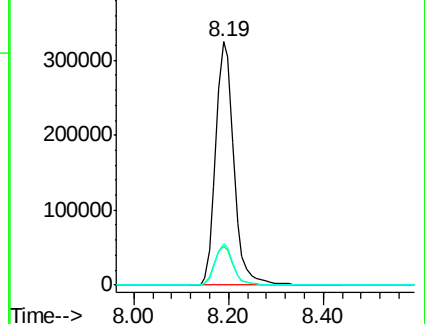
88 16.8 0.0 33.6

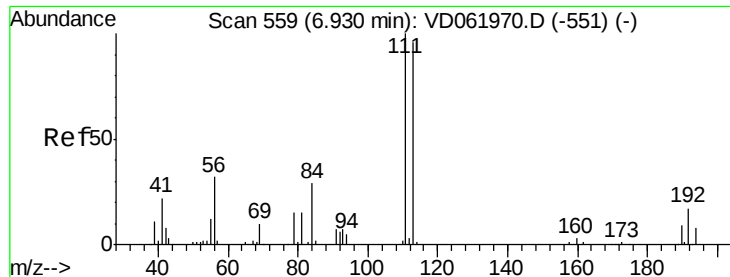


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 59.584 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :

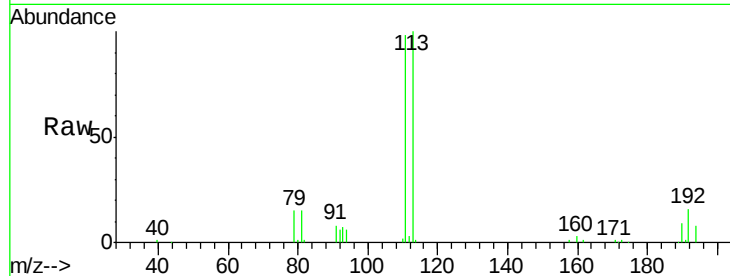
Tot Ion:113 Resp: 356723

Ion Ratio Lower Upper

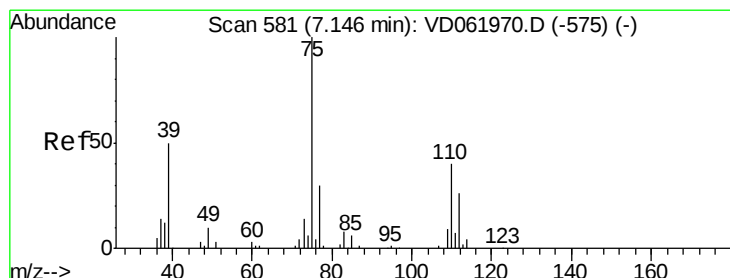
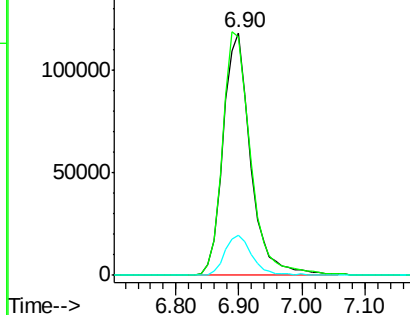
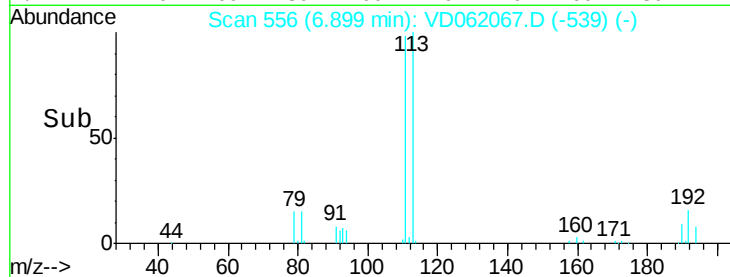
113 100

111 98.2 78.5 117.7

192 16.4 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: 5.918 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

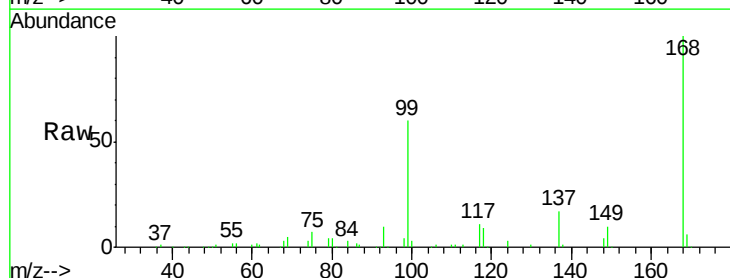
Tgt Ion: 75 Resp: 39917

Ion Ratio Lower Upper

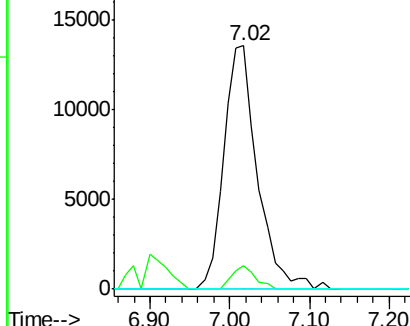
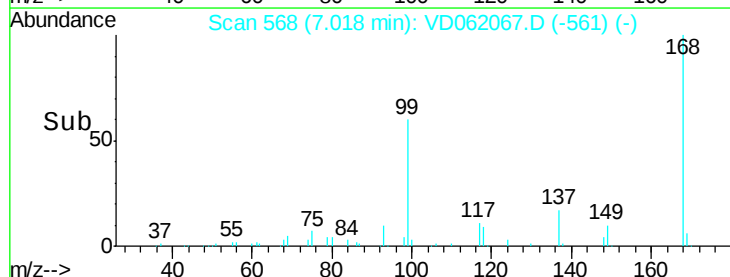
75 100

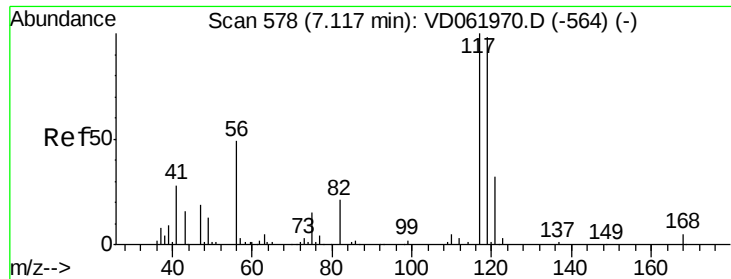
110 9.8 19.1 57.1#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.437 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

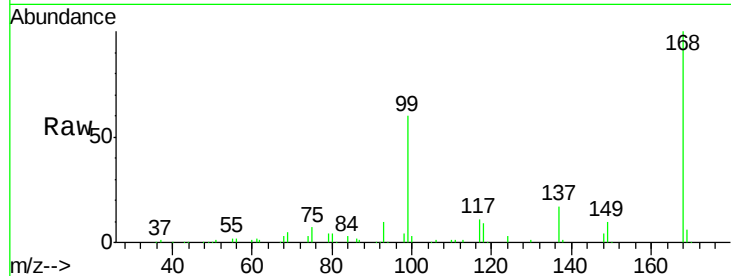
Tot Ion:117 Resp: 55012

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

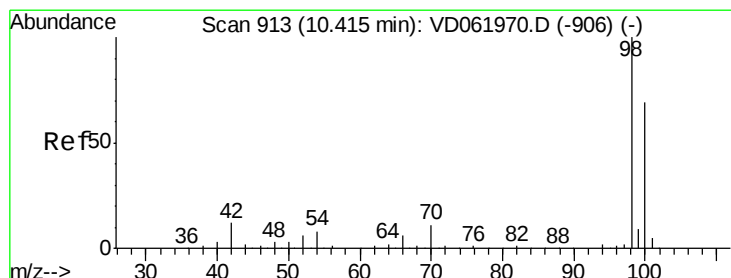
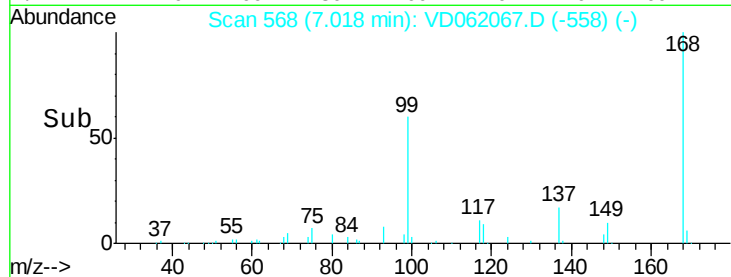
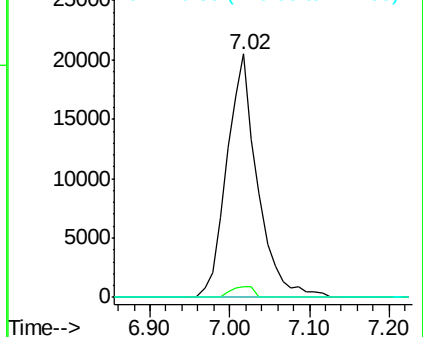
121 0.0 25.9 38.9#



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: 50.714 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062067.D

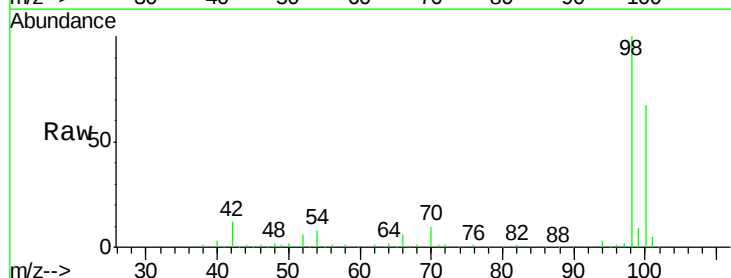
Acq: 29 Apr 2019 17:19

Tgt Ion: 98 Resp: 722460

Ion Ratio Lower Upper

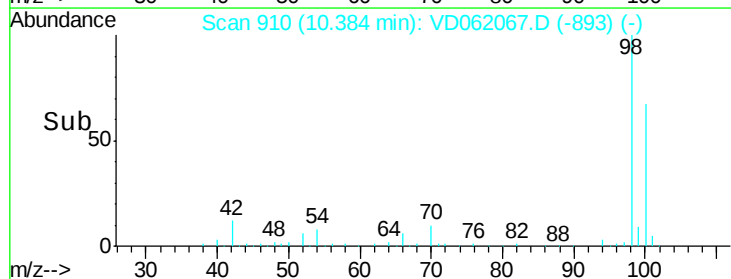
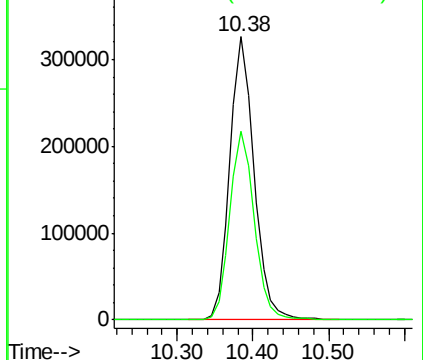
98 100

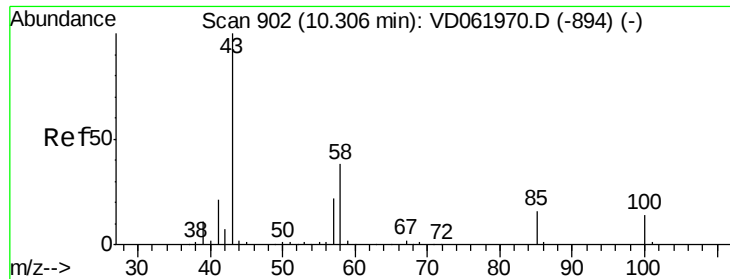
100 66.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.023 ug/l

RT: 10.38 min Scan# 910

Delta R.T. 0.08 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

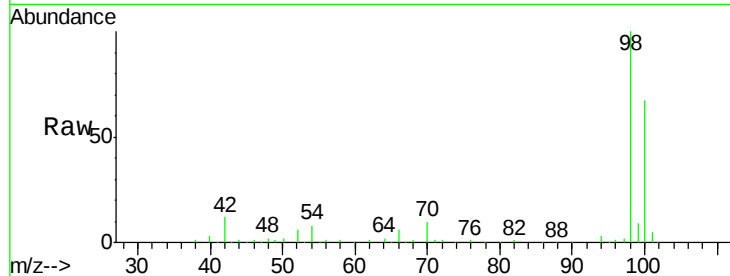
ClientSampled :

Tot Ion: 43 Resp: 2628

Ion Ratio Lower Upper

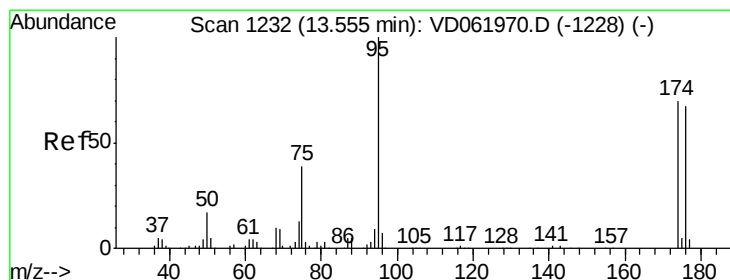
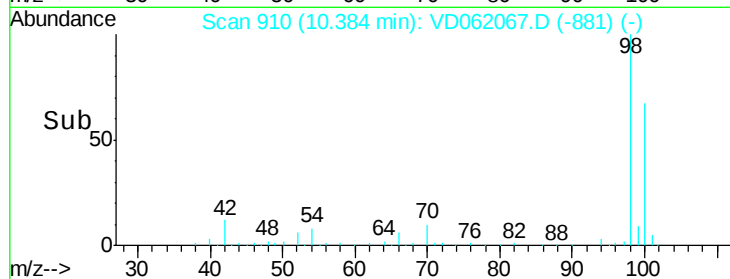
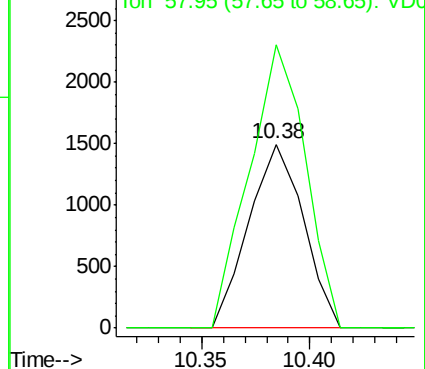
43 100

58 154.2 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: 50.965 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

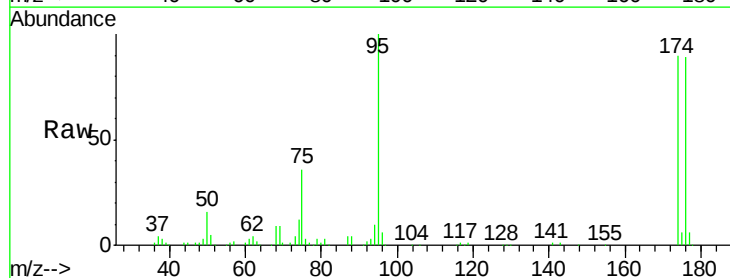
Tgt Ion: 95 Resp: 291210

Ion Ratio Lower Upper

95 100

174 89.5 0.0 181.8

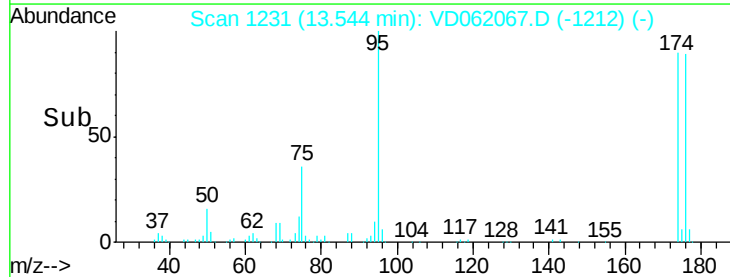
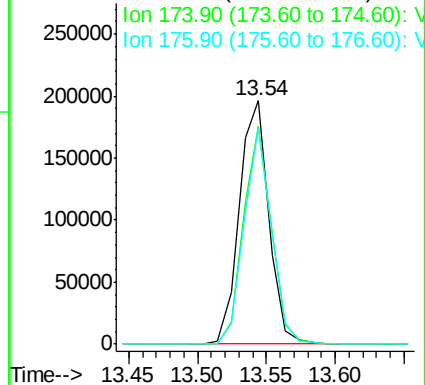
176 89.2 0.0 174.4

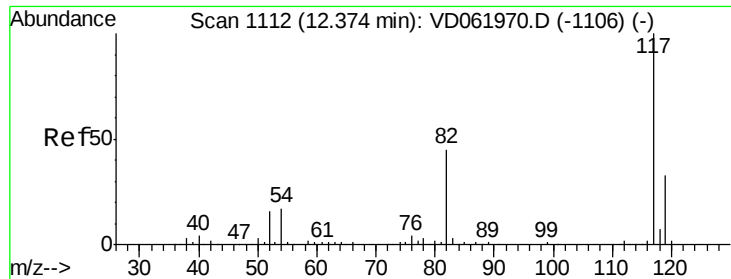


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

ClientSampleID :

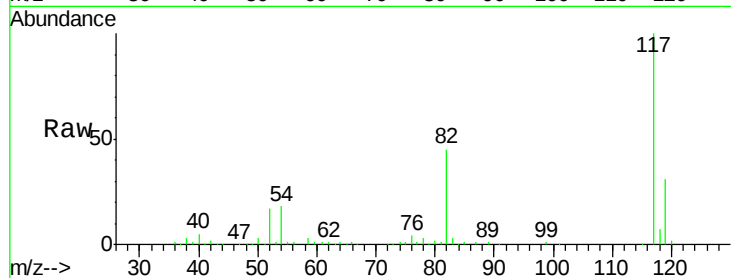
Tot Ion:117 Resp: 704850

Ion Ratio Lower Upper

117 100

82 45.2 36.2 54.2

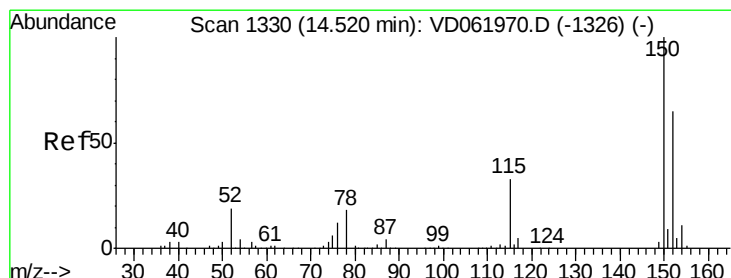
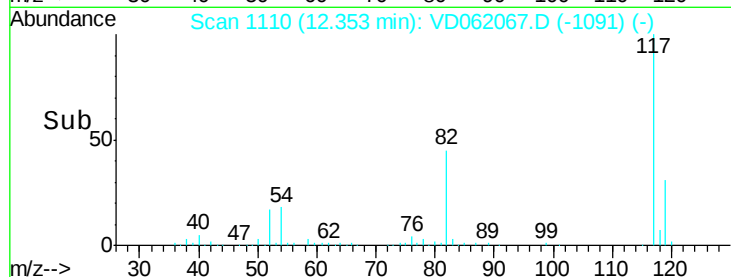
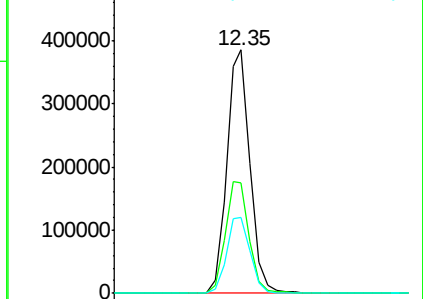
119 31.4 26.2 39.4



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# 1329

Delta R.T. -0.01 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

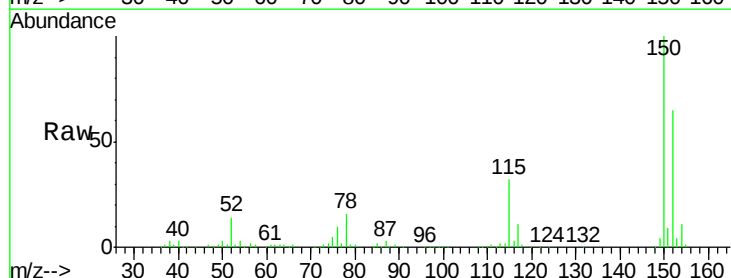
Tgt Ion:152 Resp: 314387

Ion Ratio Lower Upper

152 100

115 49.9 30.9 92.7

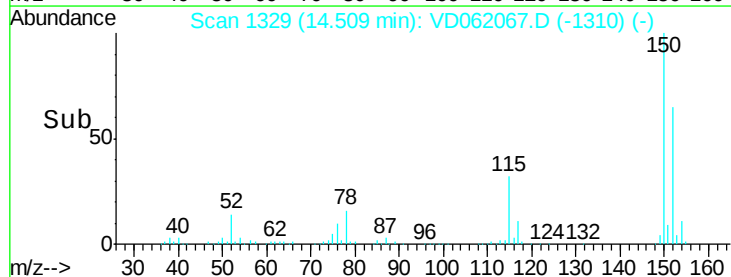
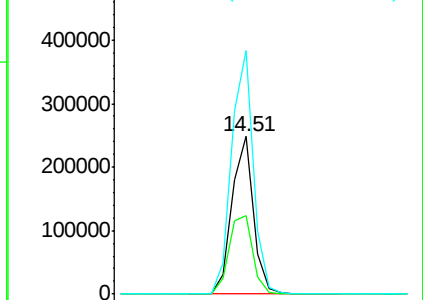
150 154.8 0.0 314.8

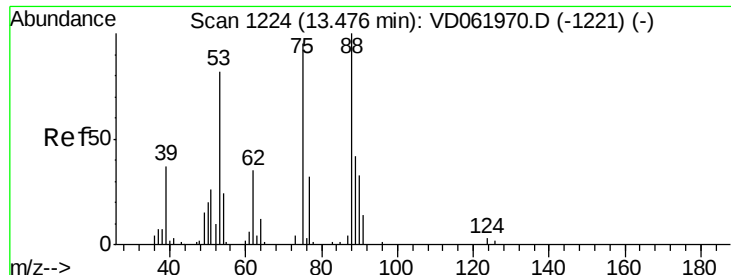


Abundance Ion 151.90 (151.60 to 152.60): V

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: 91.681 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062067.D

Acq: 29 Apr 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

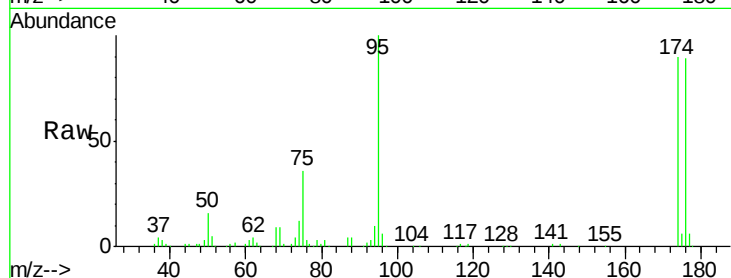
Tot Ion: 75 Resp: 110916

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

