

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062109.D
 Acq On : 2 May 2019 13:54
 Operator : FY/SY
 Sample : VD0502SBL01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:08:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	556692	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	831388	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	770821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	334903	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	245440	56.33	ug/l	-0.01
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	6.91	113	367869	63.98	ug/l	-0.02
Spiked Amount			Recovery	=	127.96%	
50) Toluene-d8	10.39	98	802142	58.63	ug/l	-0.02
Spiked Amount			Recovery	=	117.26%	
62) 4-Bromofluorobenzene	13.54	95	335901	61.21	ug/l	-0.01
Spiked Amount			Recovery	=	122.42%	

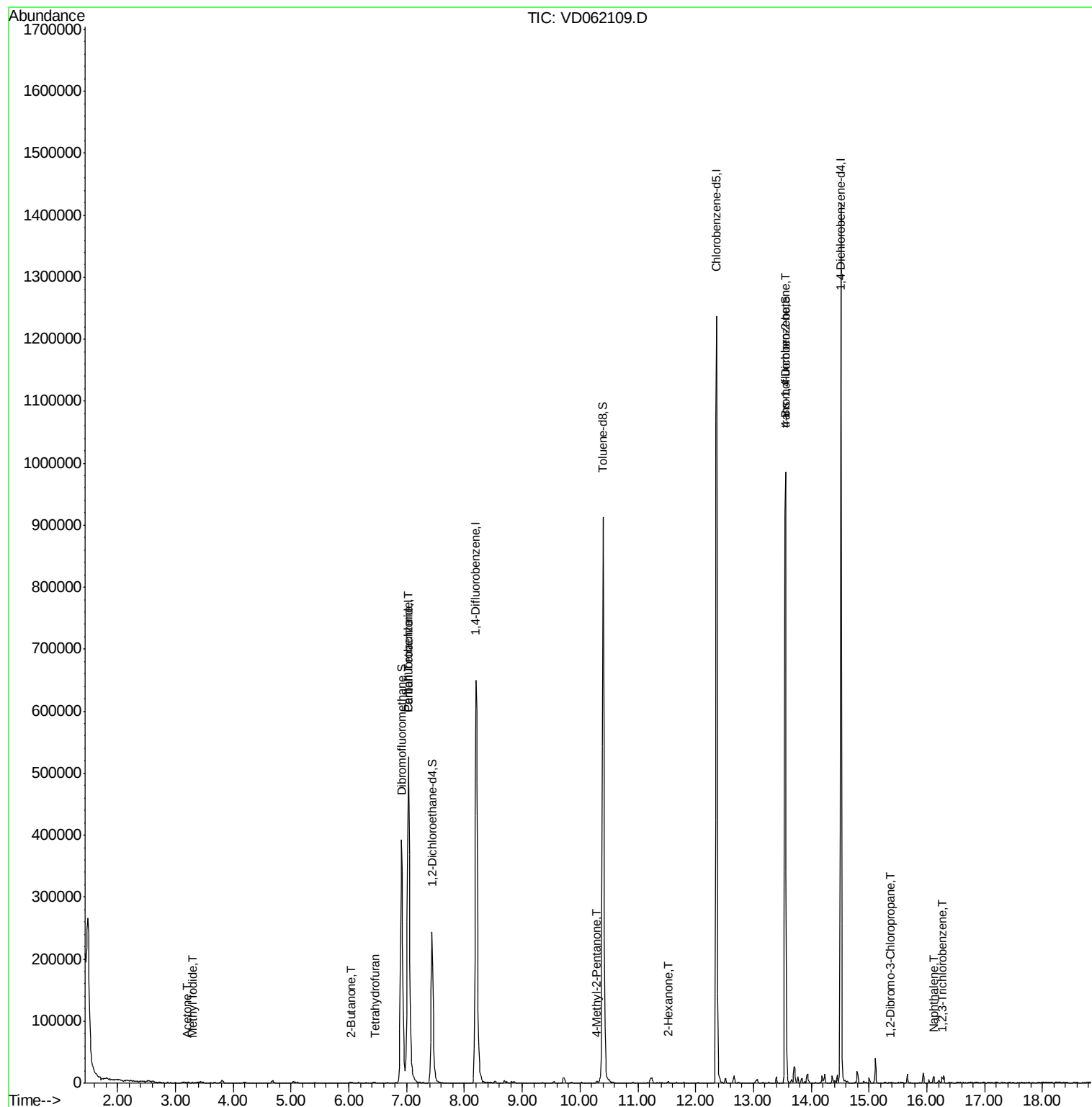
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.31	142	1679	5.613	ug/l #	37
16) Acetone	3.21	43	2930	2.816	ug/l #	50
18) Methyl Acetate	3.61	43	190	Below Cal	#	53
20) Methylene Chloride	3.80	84	3273	Below Cal	#	83
25) 2-Butanone	6.04	43	1966	1.559	ug/l #	56
29) Tetrahydrofuran	6.45	42	963	1.550	ug/l #	46
38) Carbon Tetrachloride	7.03	117	53892	6.566	ug/l #	16
51) 4-Methyl-2-Pentanone	10.30	43	4080	1.654	ug/l #	82
59) 2-Hexanone	11.53	43	3292	1.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.54	75	132548	102.850	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	15.39	75	178	2.898	ug/l #	1
95) Naphthalene	16.12	128	8875	1.100	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	3509	1.238	ug/l	90

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

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Instrument :
MSVOA_D
ClientSampled :

Quant Time: May 03 01:08:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

Instrument :

MSVOA_D

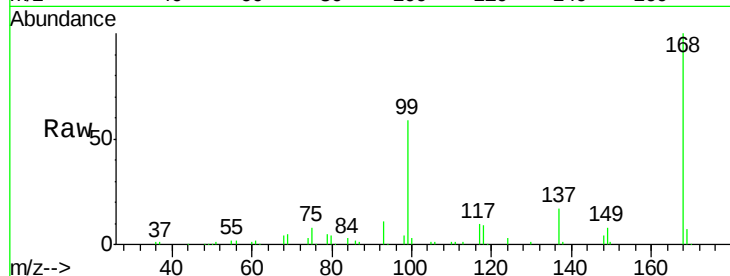
ClientSampled :

Tot Ion:168 Resp: 556692

Ion Ratio Lower Upper

168 100

99 58.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.03

200000

150000

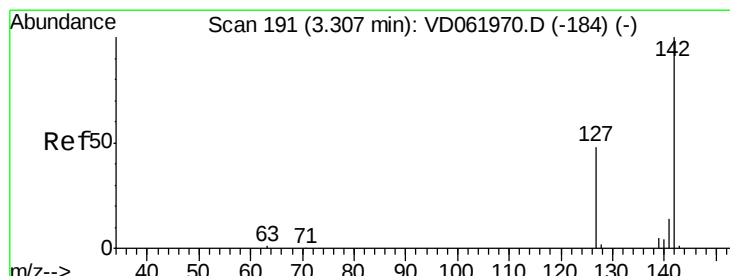
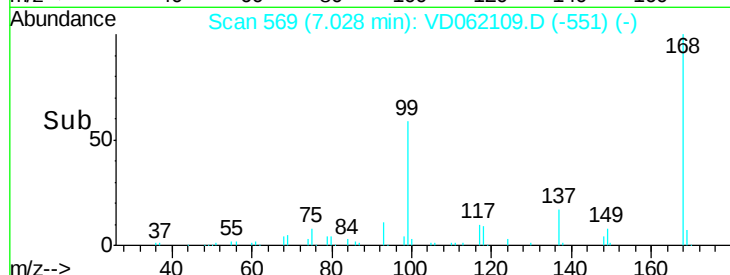
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#10

Methyl Iodide

Concen: 5.613 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

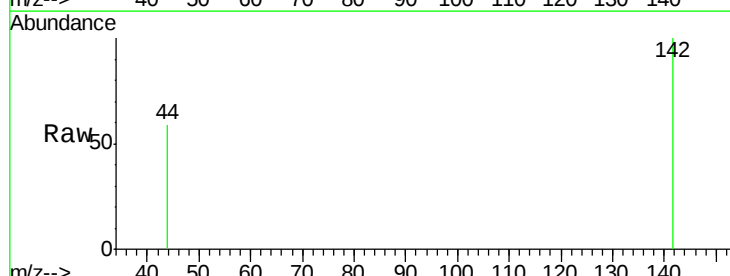
Tgt Ion:142 Resp: 1679

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

3.31

600

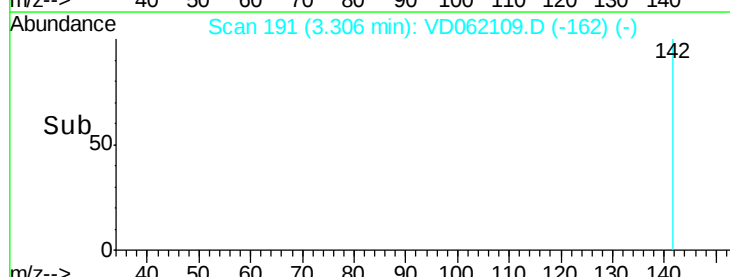
400

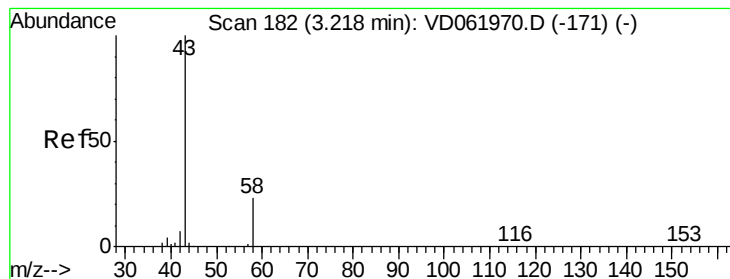
200

0

3.25 3.30 3.35 3.40

Time-->





#16

Acetone

Concen: 2.816 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

Instrument :

MSVOA_D

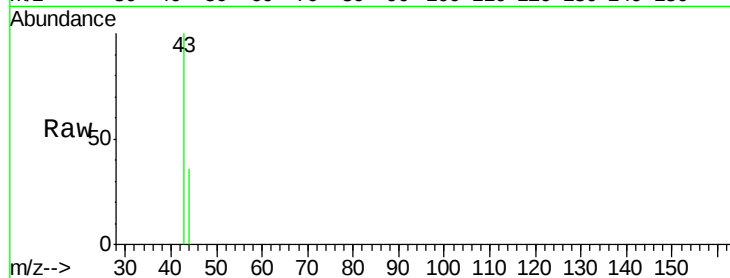
ClientSampled :

Tot Ion: 43 Resp: 2930

Ion Ratio Lower Upper

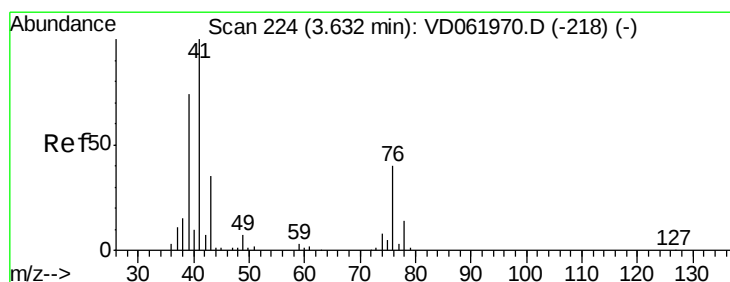
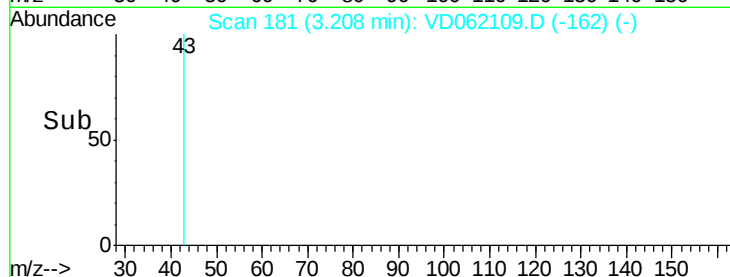
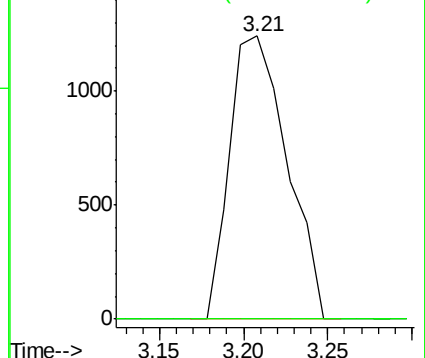
43 100

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



#18

Methyl Acetate

Concen: Below Cal

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062109.D

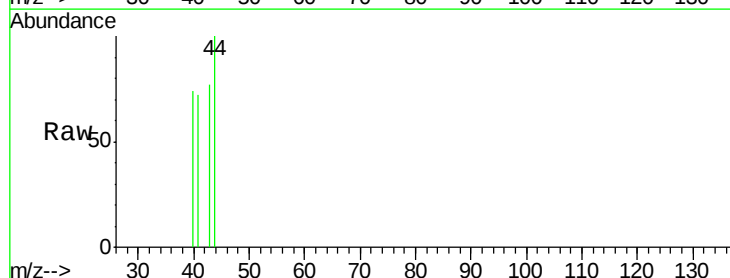
Acq: 2 May 2019 13:54

Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

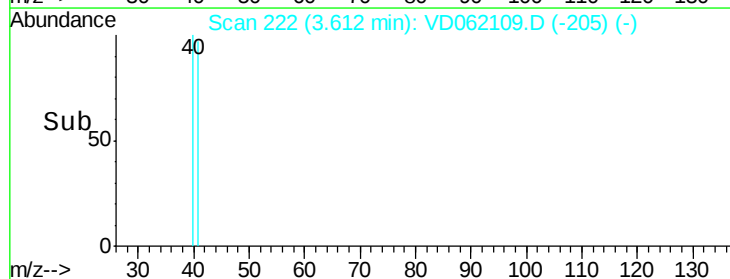
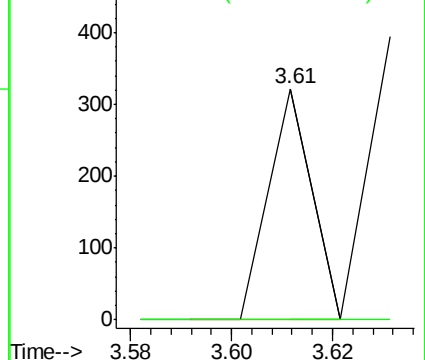
43 100

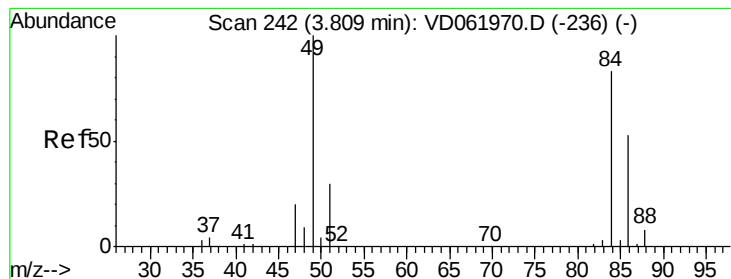
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: Below Cal

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 3273

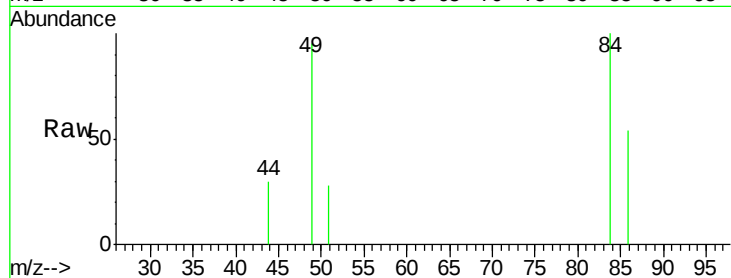
Ion Ratio Lower Upper

84 100

49 95.1 94.0 141.0

51 27.7 29.0 43.4#

86 54.0 49.8 74.6

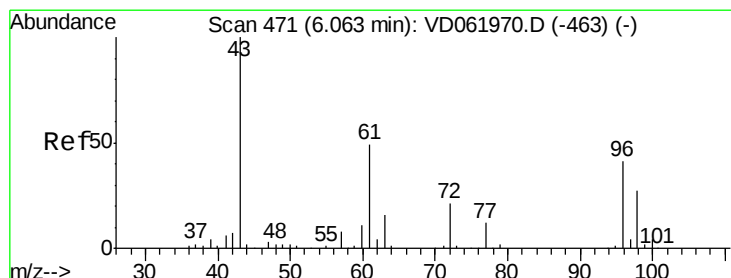
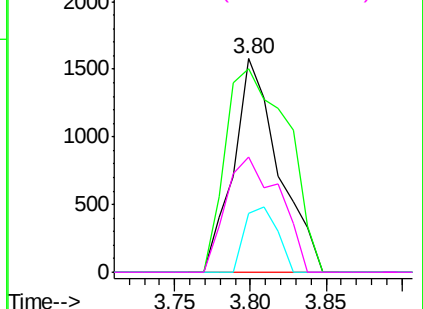
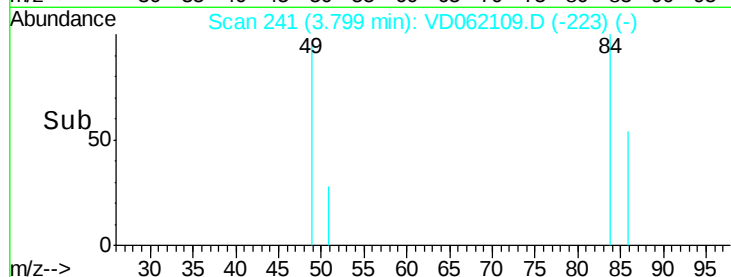


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 1.559 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062109.D

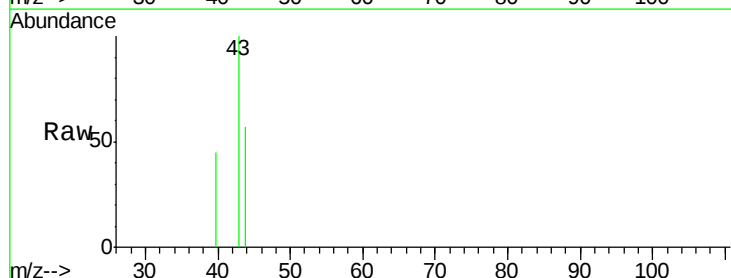
Acq: 2 May 2019 13:54

Tgt Ion: 43 Resp: 1966

Ion Ratio Lower Upper

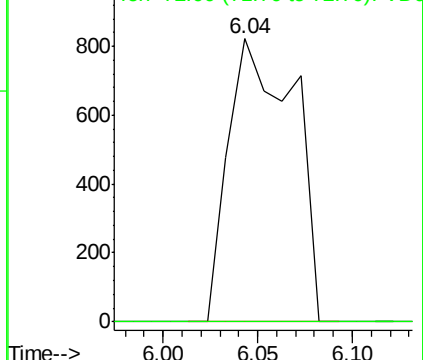
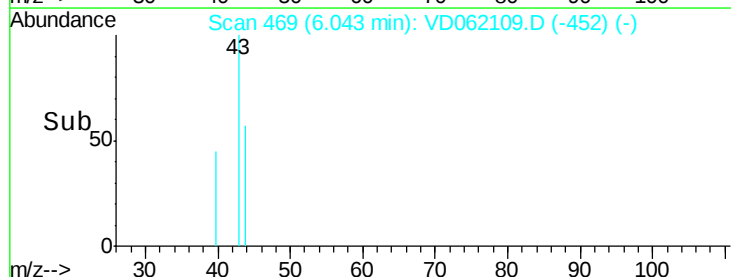
43 100

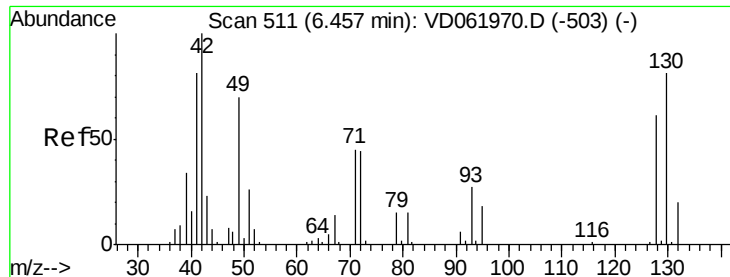
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.550 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

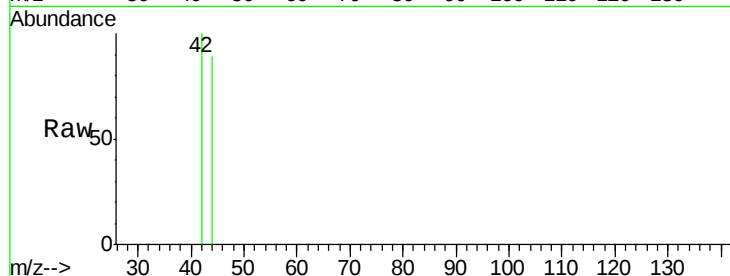
Tot Ion: 42 Resp: 963

Ion Ratio Lower Upper

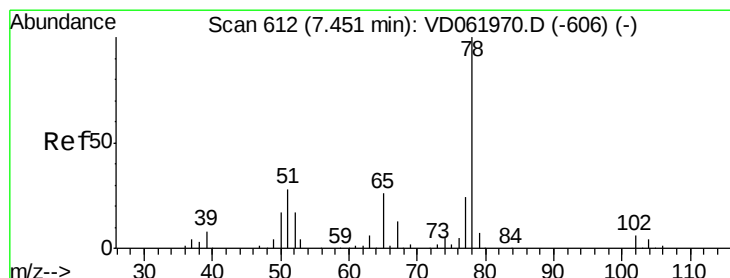
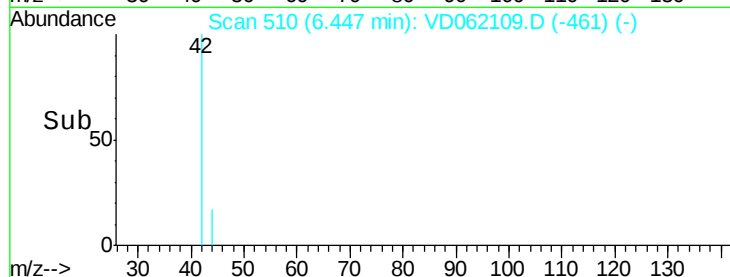
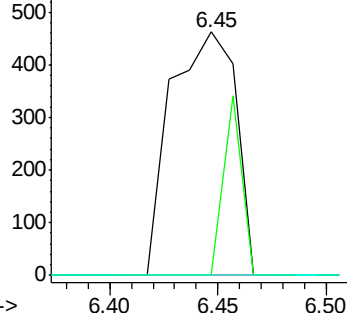
42 100

72 21.0 37.8 56.6#

71 0.0 36.7 55.1#



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



#33

1,2-Dichloroethane-d4

Concen: 56.332 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062109.D

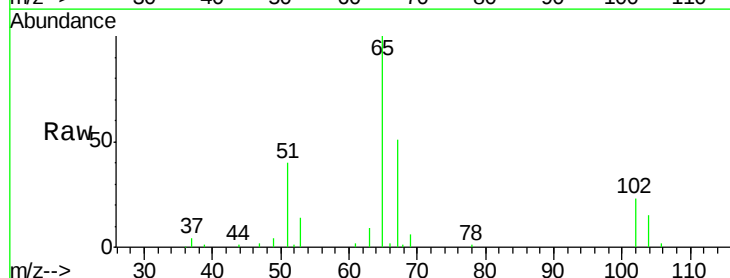
Acq: 2 May 2019 13:54

Tgt Ion: 65 Resp: 245440

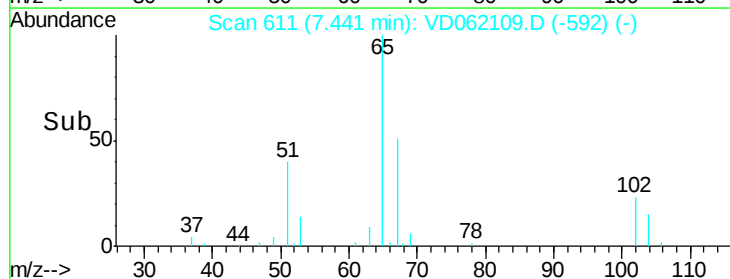
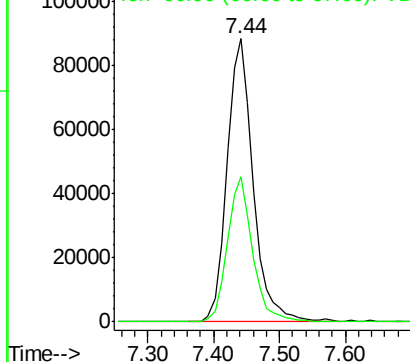
Ion Ratio Lower Upper

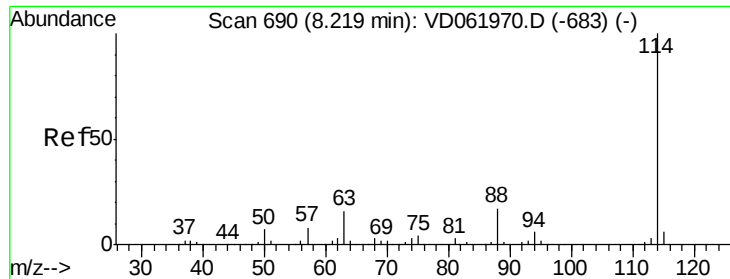
65 100

67 51.2 0.0 98.0



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

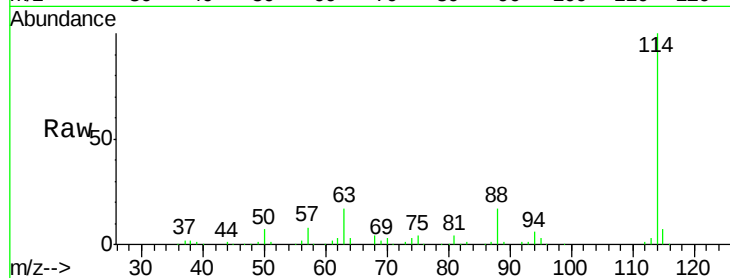




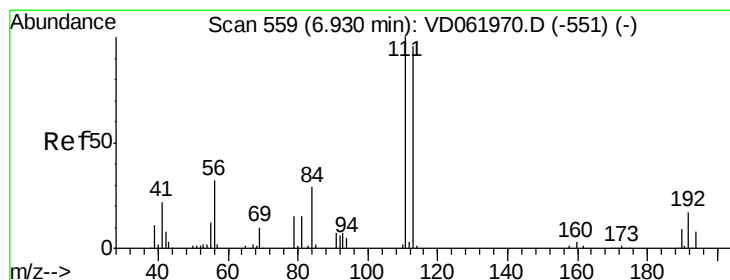
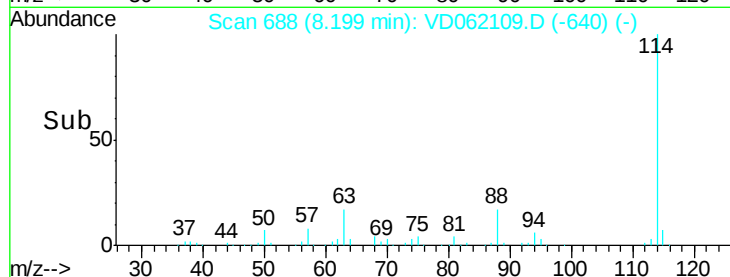
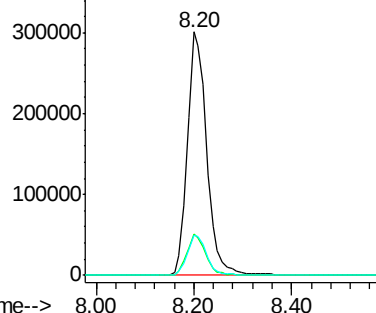
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062109.D
 Acq: 2 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 831388
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 16.6 0.0 33.6

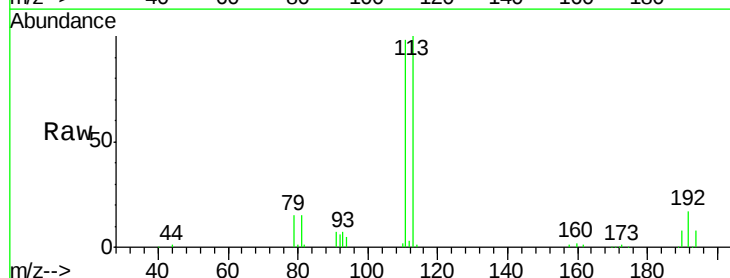


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

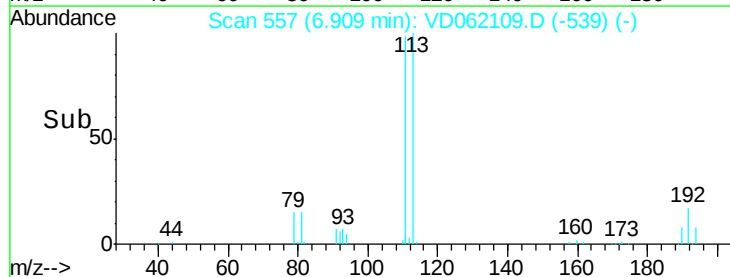
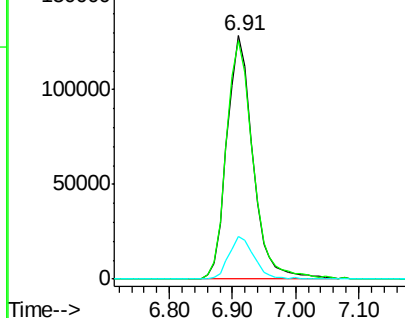


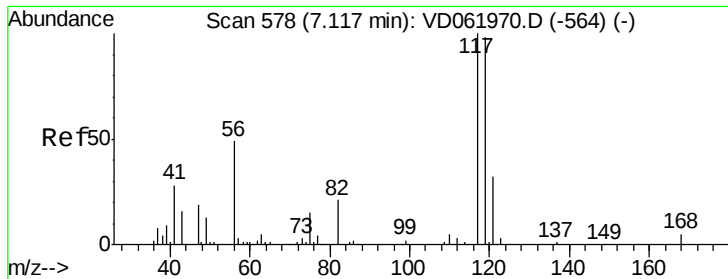
#35
 Dibromofluoromethane
 Concen: 63.979 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD062109.D
 Acq: 2 May 2019 13:54

Tgt Ion:113 Resp: 367869
 Ion Ratio Lower Upper
 113 100
 111 98.2 78.5 117.7
 192 17.4 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





#38

Carbon Tetrachloride

Concen: 6.566 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

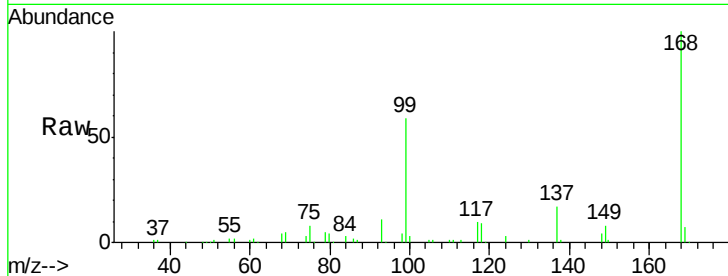
Tot Ion:117 Resp: 53892

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

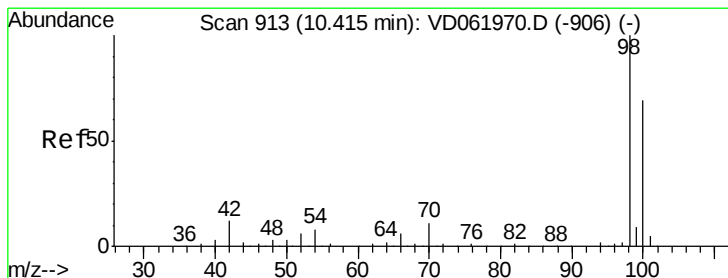
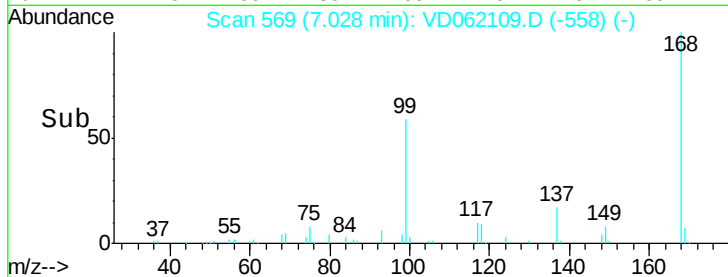
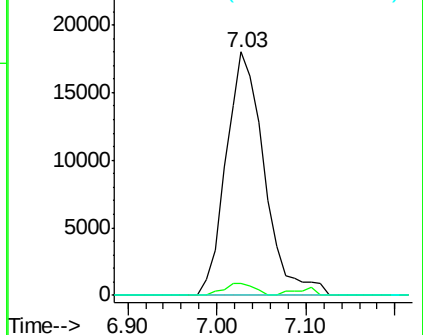
121 0.0 25.9 38.9#



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: 58.629 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD062109.D

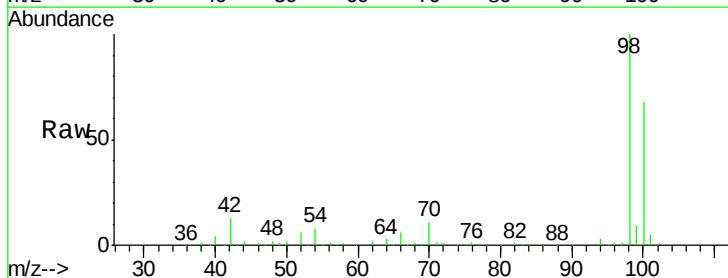
Acq: 2 May 2019 13:54

Tgt Ion: 98 Resp: 802142

Ion Ratio Lower Upper

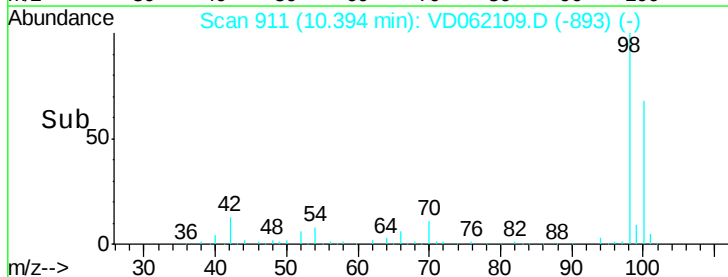
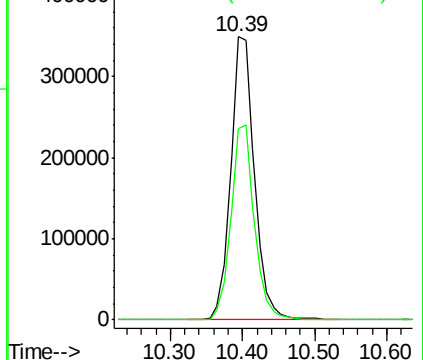
98 100

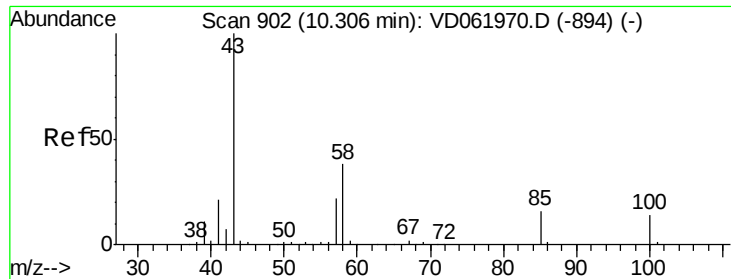
100 67.6 53.8 80.8



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: 1.654 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062109.D

Acq: 2 May 2019 13:54

Instrument :

MSVOA_D

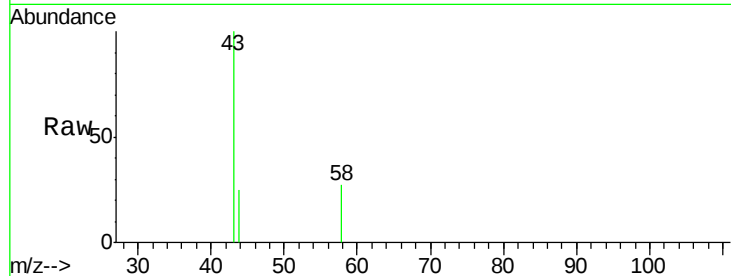
ClientSampleId :

Tot Ion: 43 Resp: 4080

Ion Ratio Lower Upper

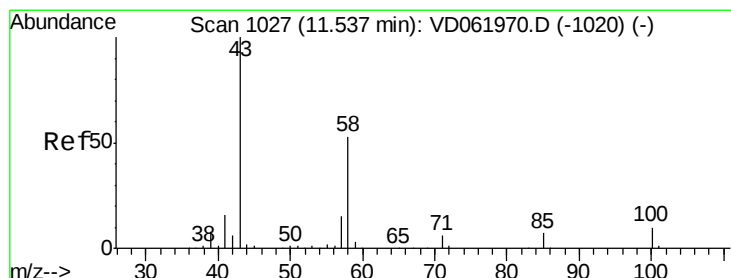
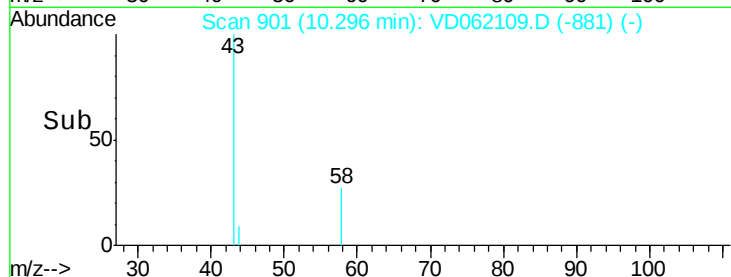
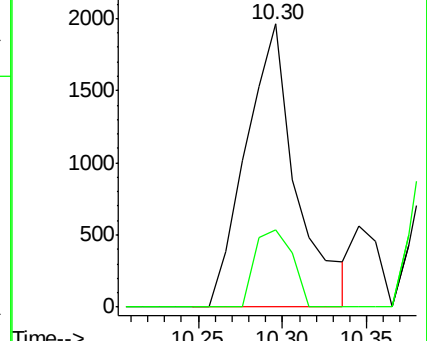
43 100

58 27.3 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 1.779 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. -0.00 min

Lab File: VD062109.D

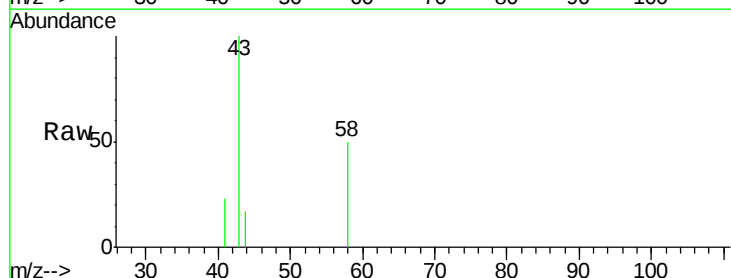
Acq: 2 May 2019 13:54

Tgt Ion: 43 Resp: 3292

Ion Ratio Lower Upper

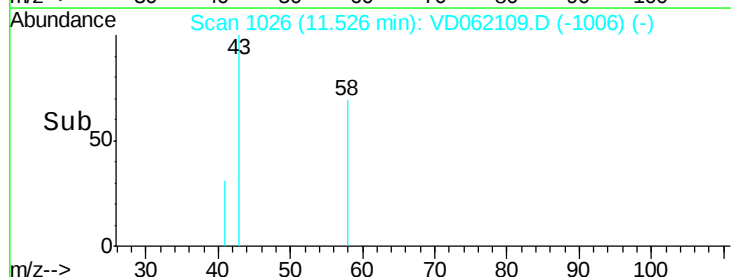
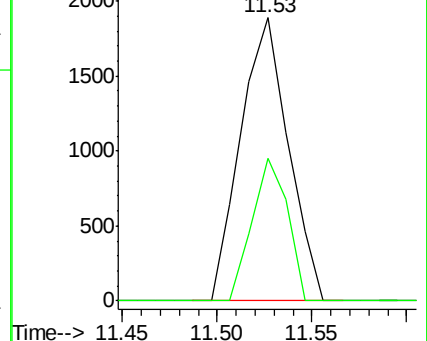
43 100

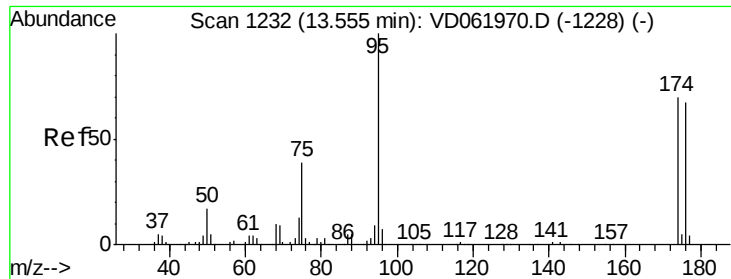
58 50.5 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

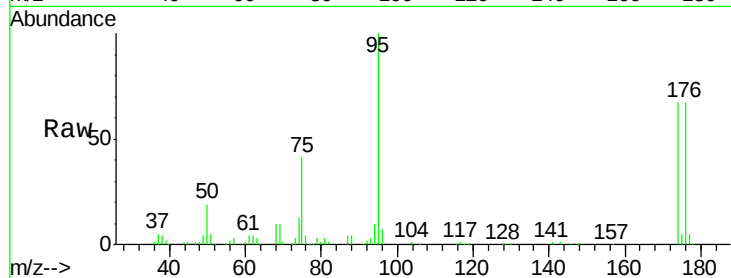




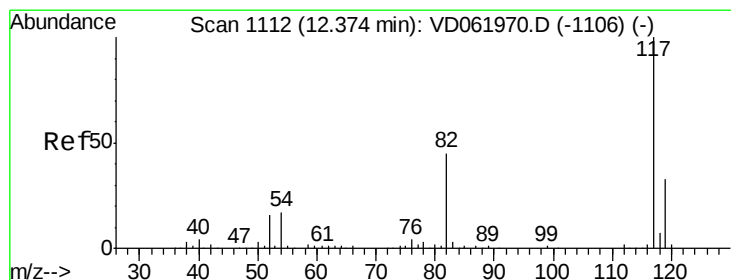
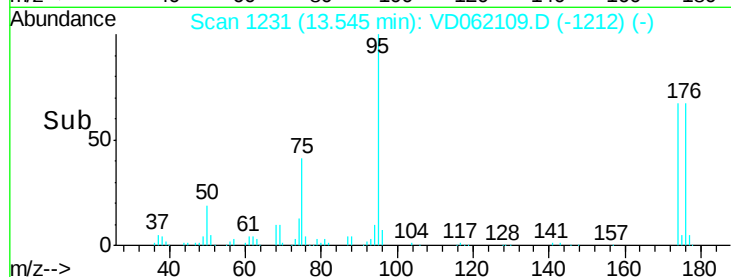
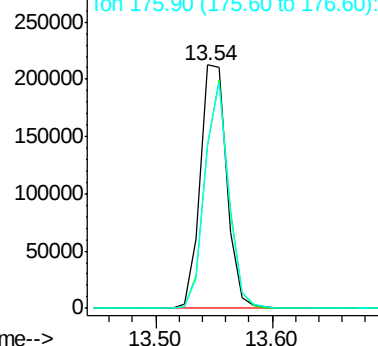
#62
4-Bromofluorobenzene
Concen: 61.210 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062109.D
Acq: 2 May 2019 13:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 335901
Ion Ratio Lower Upper
95 100
174 67.2 0.0 181.8
176 67.2 0.0 174.4

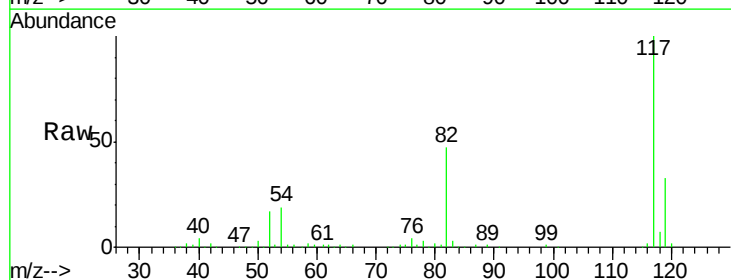


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

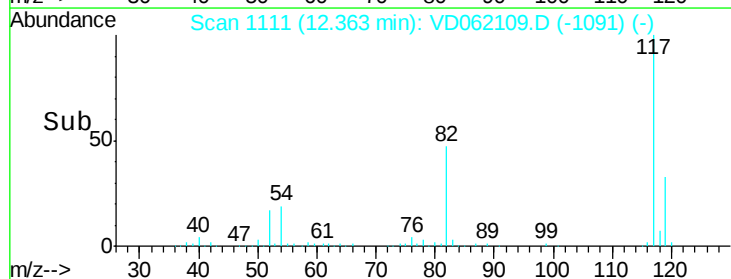
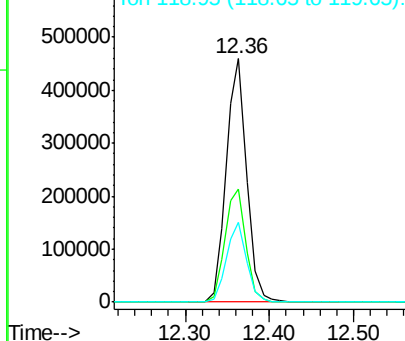


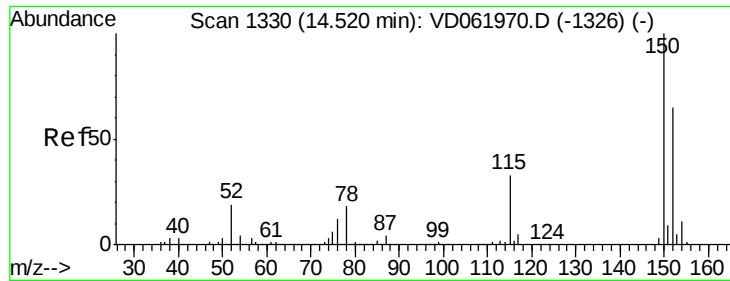
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062109.D
Acq: 2 May 2019 13:54

Tgt Ion: 117 Resp: 770821
Ion Ratio Lower Upper
117 100
82 46.6 36.2 54.2
119 32.7 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



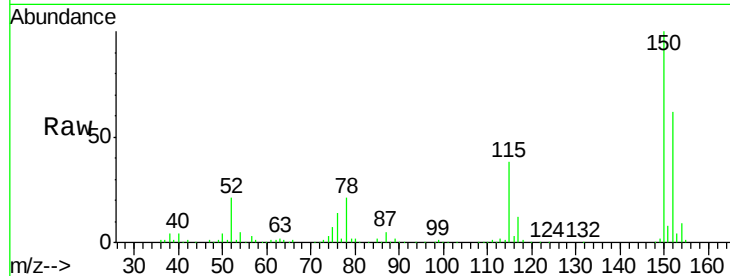


#72

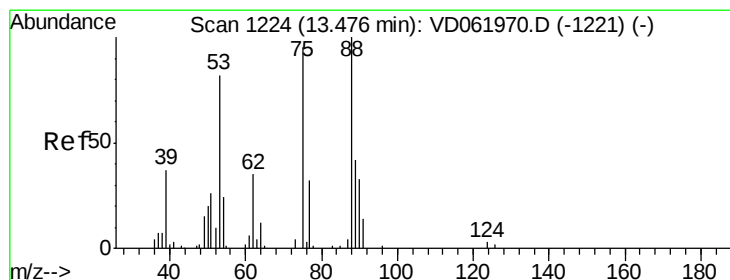
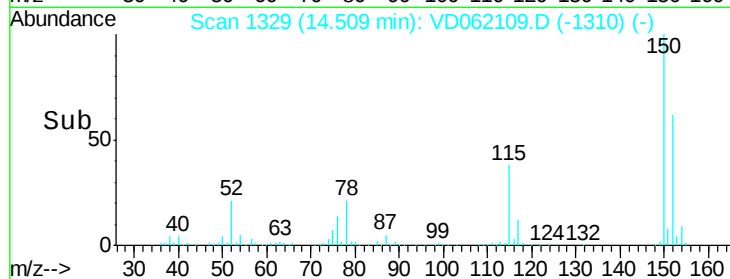
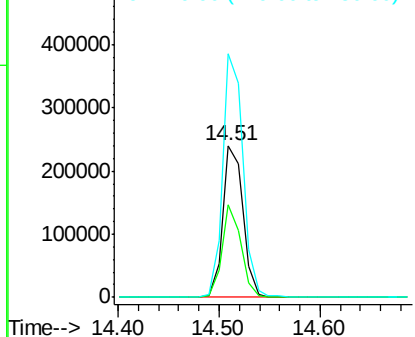
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062109.D
Acq: 2 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 334903
Ion Ratio Lower Upper
152 100
115 61.3 30.9 92.7
150 160.5 0.0 314.8



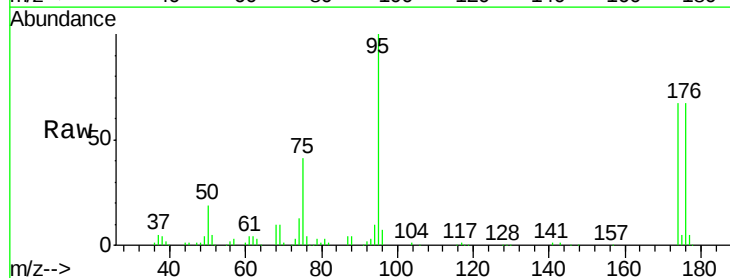
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



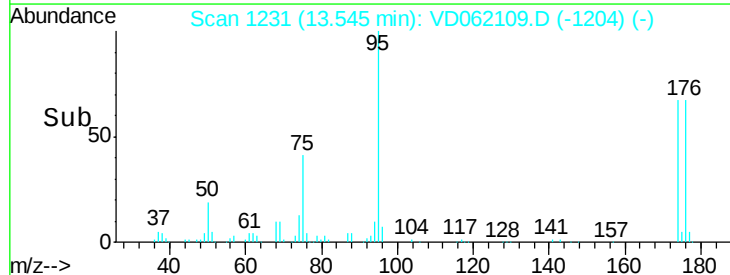
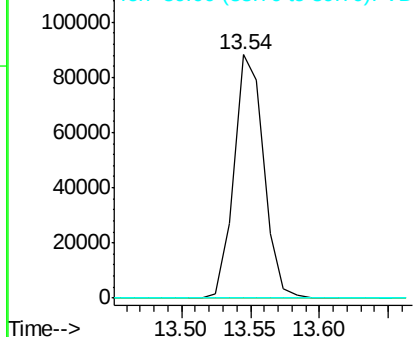
#81

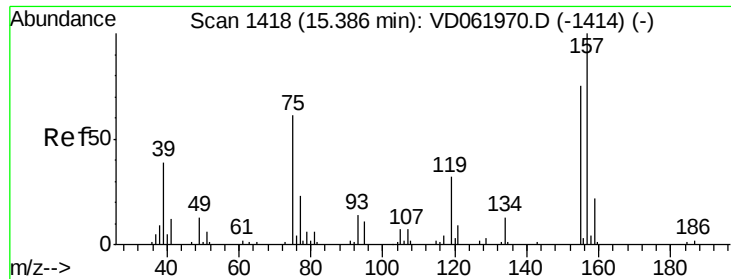
trans-1,4-Dichloro-2-butene
Concen: 102.850 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062109.D
Acq: 2 May 2019 13:54

Tgt Ion: 75 Resp: 132548
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

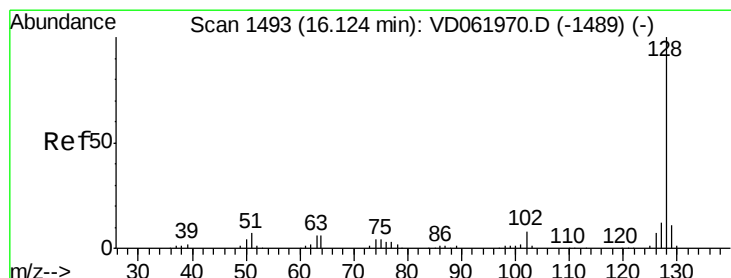
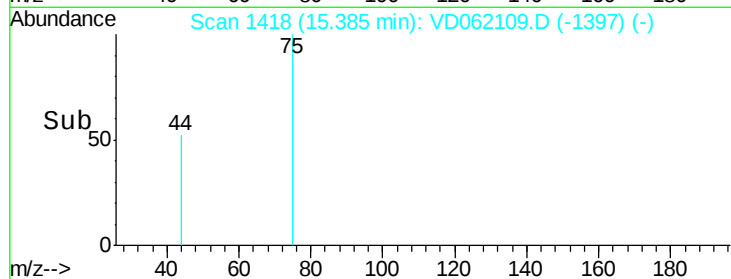
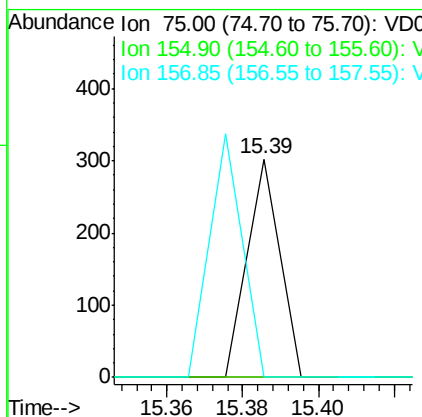
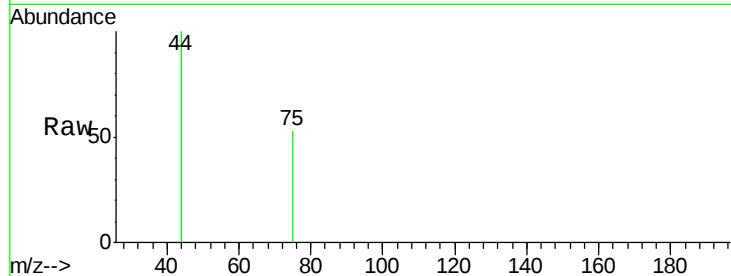




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.898 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062109.D
 Acq: 2 May 2019 13:54

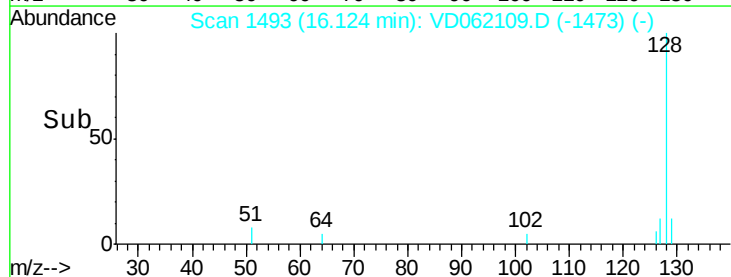
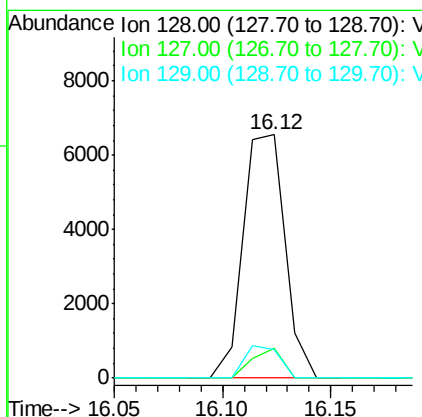
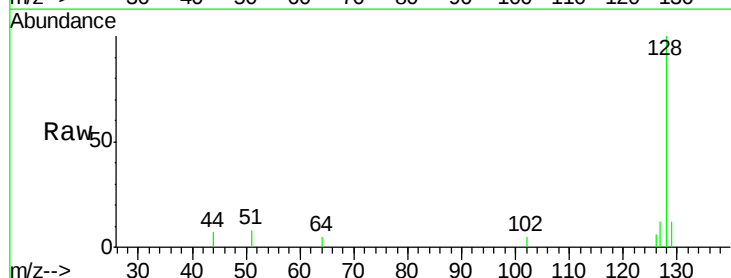
Instrument :
 MSVOA_D
 ClientSampleId :

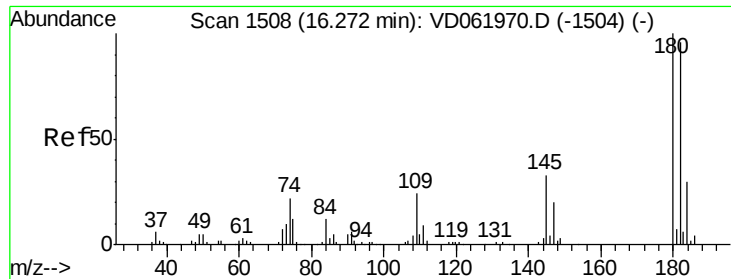
Tot Ion: 75 Resp: 178
 Ion Ratio Lower Upper
 75 100
 155 0.0 55.3 165.8#
 157 0.0 67.8 203.2#



#95
 Naphthalene
 Concen: 1.100 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD062109.D
 Acq: 2 May 2019 13:54

Tgt Ion: 128 Resp: 8875
 Ion Ratio Lower Upper
 128 100
 127 12.2 9.8 14.8
 129 11.7 8.8 13.2

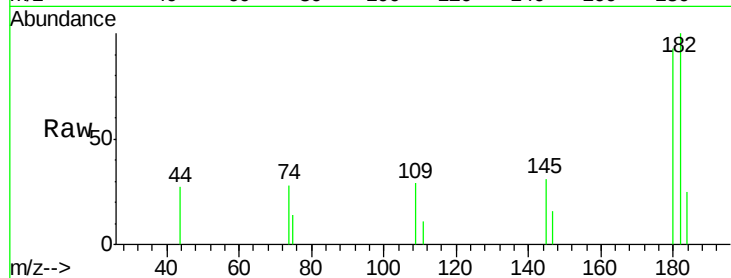




#96
 1,2,3-Trichlorobenzene
 Concen: 1.238 ug/l
 RT: 16.26 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VD062109.D
 Acq: 2 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 3509
 Ion Ratio Lower Upper
 180 100
 182 107.0 47.0 141.0
 145 33.6 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

