

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062559.D
 Acq On : 31 May 2019 12:59
 Operator : VA/AP
 Sample : VD0531SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBL01

Quant Time: May 31 23:25:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	788604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	969478	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	802375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	464447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	514903	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	6.94	113	503139	56.95	ug/l	0.00
Spiked Amount			Recovery	=	113.90%	
50) Toluene-d8	10.42	98	1052450	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	
62) 4-Bromofluorobenzene	13.56	95	499556	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	

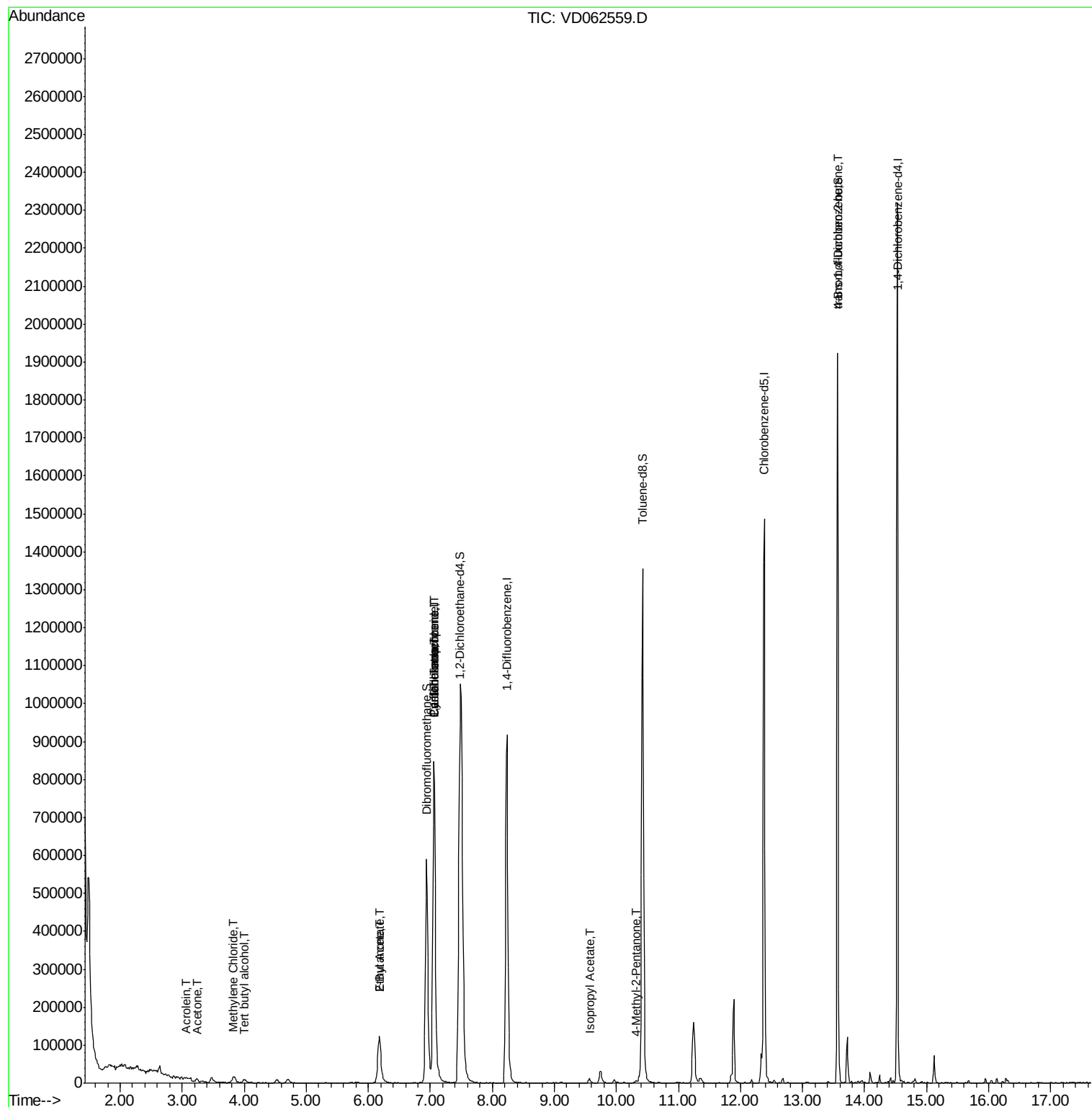
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	4216	Below Cal	#	80
11) Tert butyl alcohol	4.01	59	9444	23.946	ug/l #	80
13) Acrolein	3.08	56	235	1.368	ug/l #	10
16) Acetone	3.24	43	25227	13.886	ug/l #	91
20) Methylene Chloride	3.83	84	8317	1.237	ug/l #	68
25) 2-Butanone	6.18	43	14905	8.711	ug/l #	62
31) Cyclohexane	7.06	56	20756	2.417	ug/l #	19
36) 1,1-Dichloropropene	7.06	75	66042	6.843	ug/l #	49
37) Ethyl Acetate	6.18	43	15087	3.708	ug/l #	36
38) Carbon Tetrachloride	7.06	117	83930	5.841	ug/l #	19
43) Isopropyl Acetate	9.56	43	7856	1.551	ug/l #	50
51) 4-Methyl-2-Pentanone	10.32	43	5992	1.696	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.56	75	257609	161.347	ug/l #	5

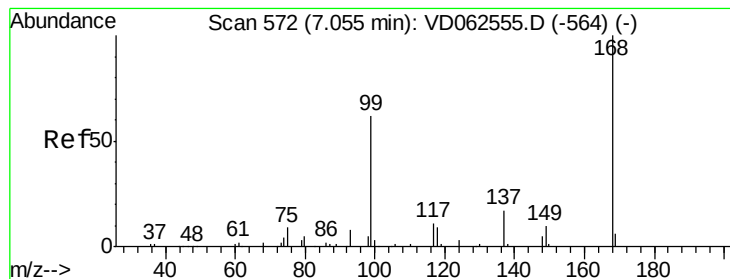
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

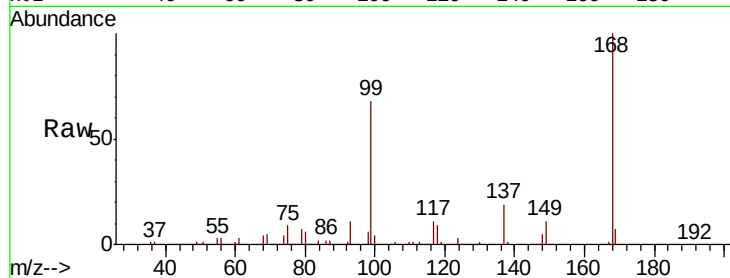
VD0531SBL01

Tot Ion:168 Resp: 788604

Ion Ratio Lower Upper

168 100

99 68.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

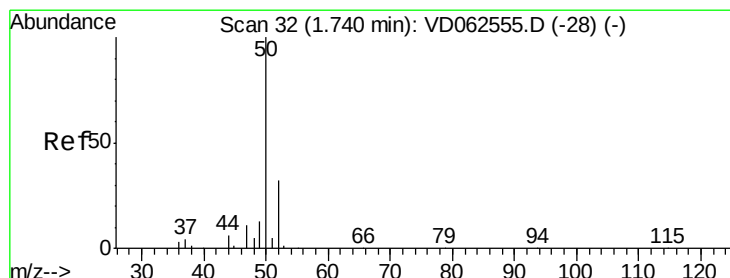
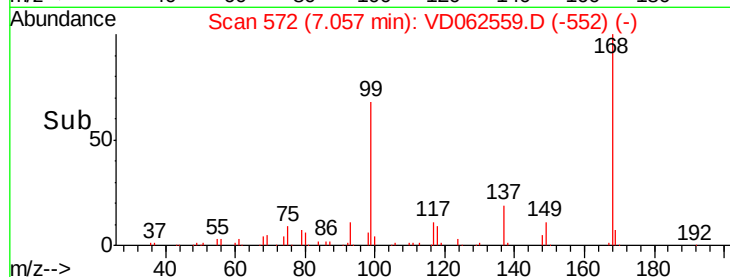
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062559.D

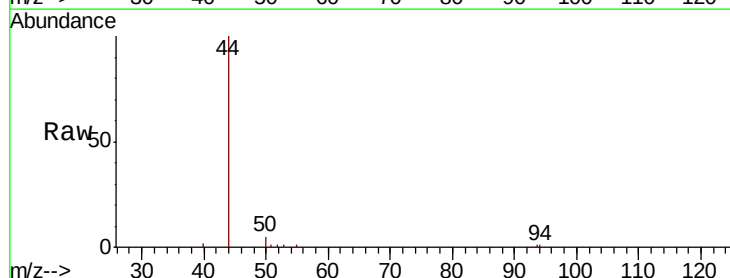
Acq: 31 May 2019 12:59

Tgt Ion: 50 Resp: 4216

Ion Ratio Lower Upper

50 100

52 20.9 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

2000

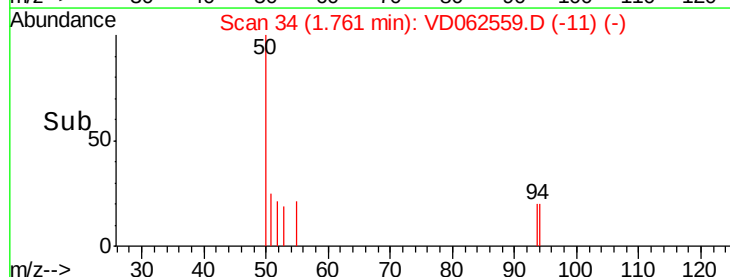
1500

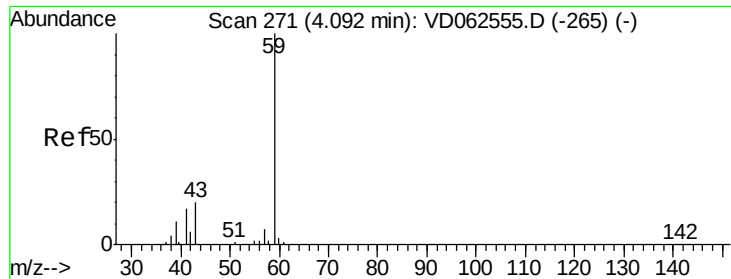
1000

500

0

Time-->

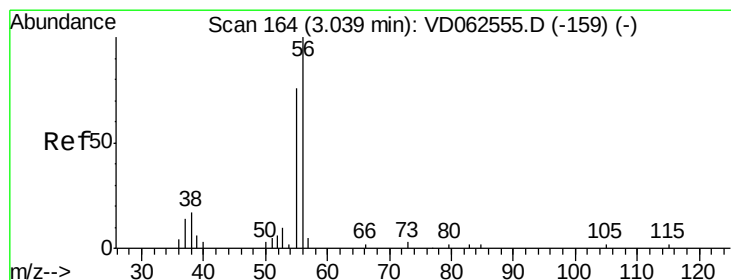
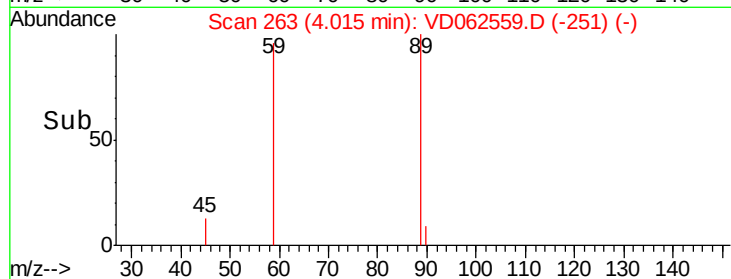
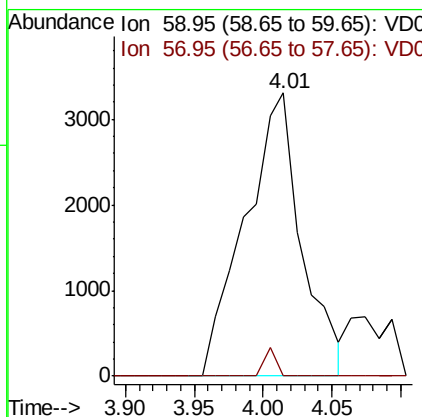
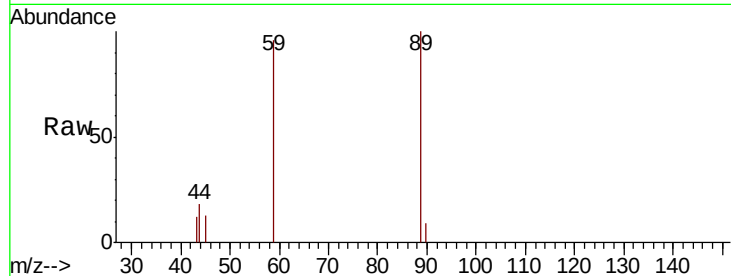




#11
Tert butyl alcohol
Concen: 23.946 ug/l
RT: 4.01 min Scan# 263
Delta R.T. -0.08 min
Lab File: VD062559.D
Acq: 31 May 2019 12:59

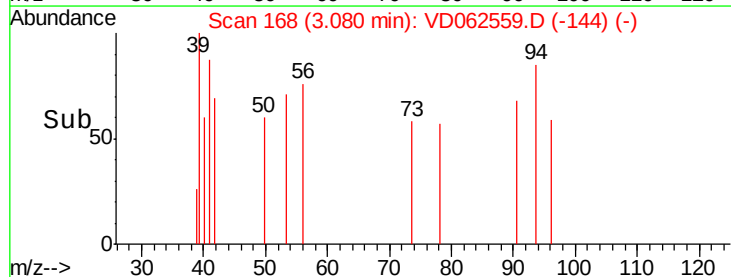
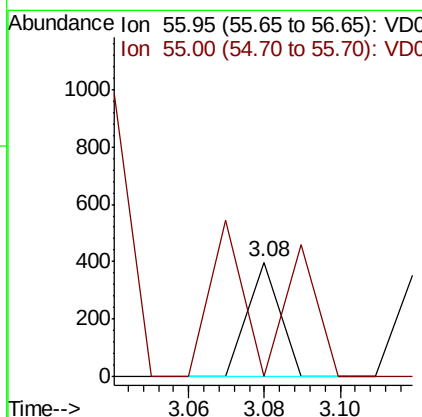
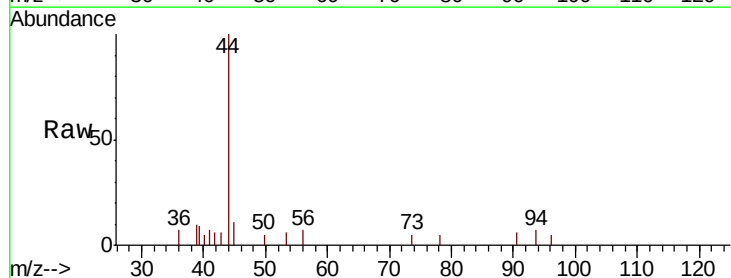
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBL01

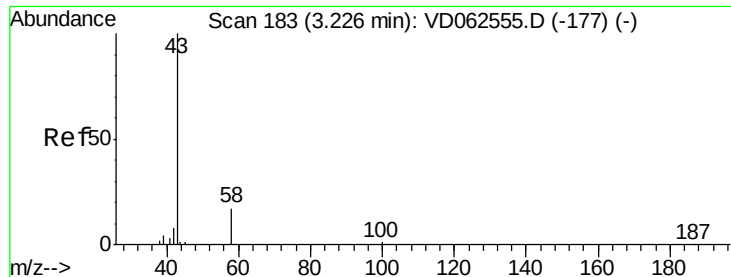
Tot Ion: 59 Resp: 9444
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.0#



#13
Acrolein
Concen: 1.368 ug/l
RT: 3.08 min Scan# 168
Delta R.T. 0.04 min
Lab File: VD062559.D
Acq: 31 May 2019 12:59

Tgt Ion: 56 Resp: 235
Ion Ratio Lower Upper
56 100
55 0.0 62.6 93.8#





#16

Acetone

Concen: 13.886 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

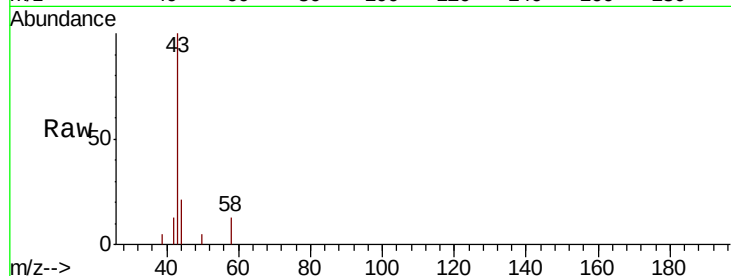
VD0531SBL01

Tot Ion: 43 Resp: 25227

Ion Ratio Lower Upper

43 100

58 13.3 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

8000

6000

4000

2000

0

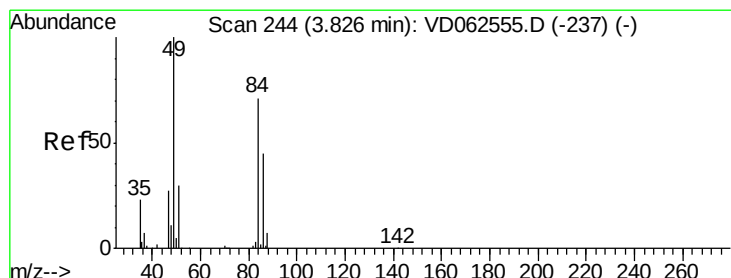
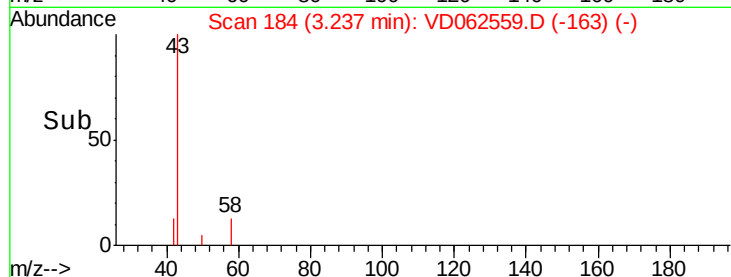
Time-->

3.10

3.20

3.30

3.40



#20

Methylene Chloride

Concen: 1.237 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Tgt Ion: 84 Resp: 8317

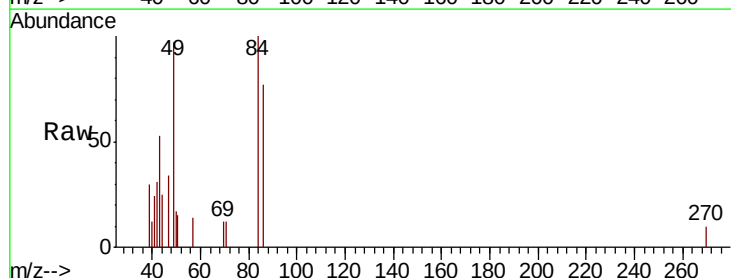
Ion Ratio Lower Upper

84 100

49 97.1 112.3 168.5#

51 14.7 33.6 50.4#

86 77.1 50.4 75.6#



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

4000

3000

2000

1000

0

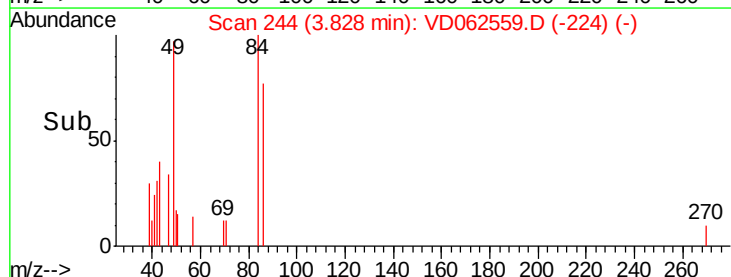
Time-->

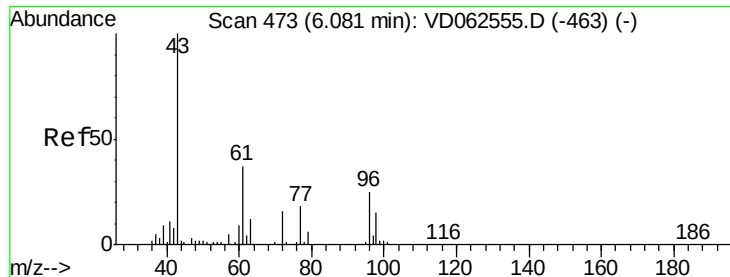
3.75

3.80

3.85

3.90





#25

2-Butanone

Concen: 8.711 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.10 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

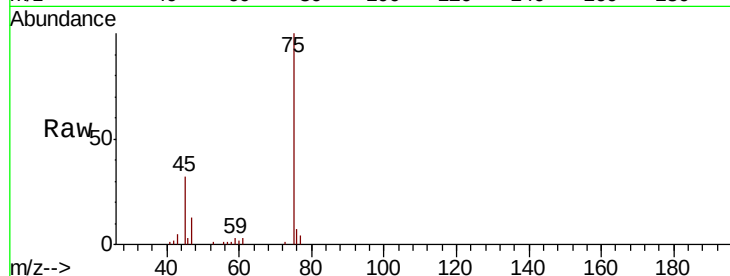
VD0531SBL01

Tot Ion: 43 Resp: 14905

Ion Ratio Lower Upper

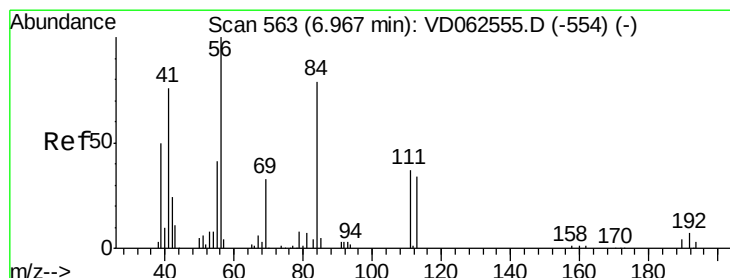
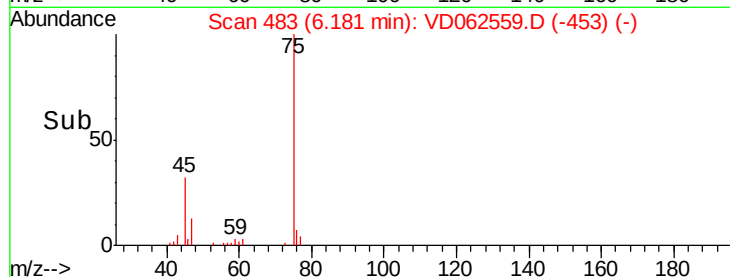
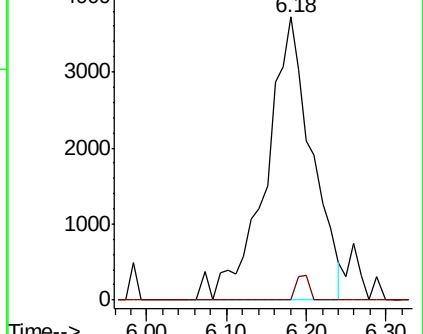
43 100

72 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.417 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

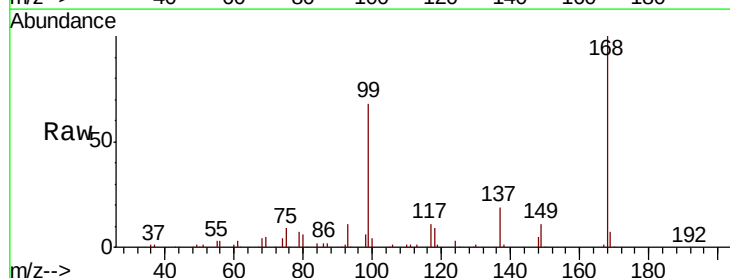
Tgt Ion: 56 Resp: 20756

Ion Ratio Lower Upper

56 100

69 184.0 26.2 39.2#

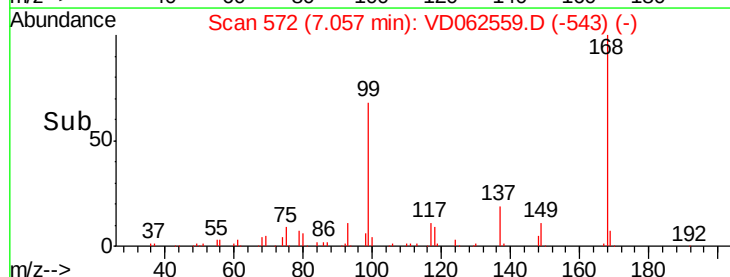
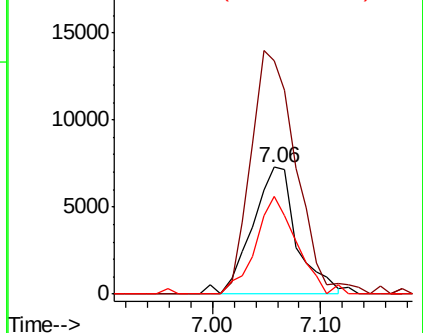
84 76.9 65.2 97.8

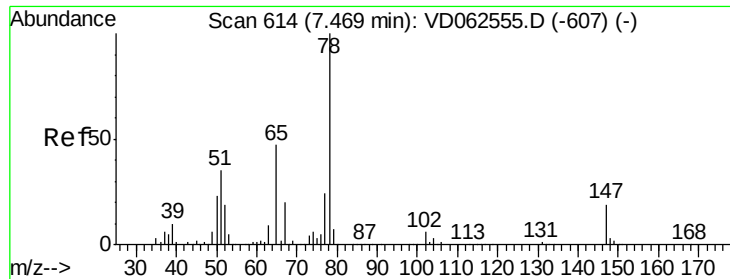


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

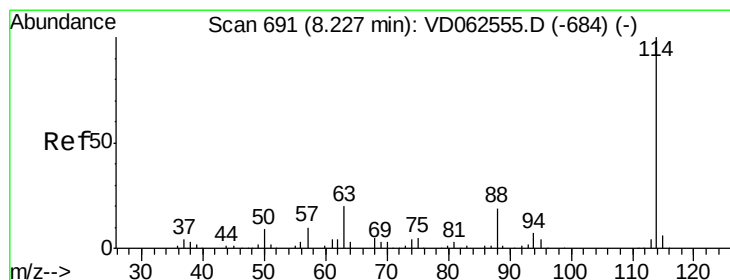
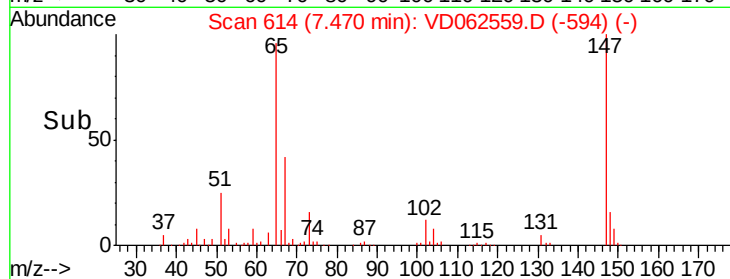
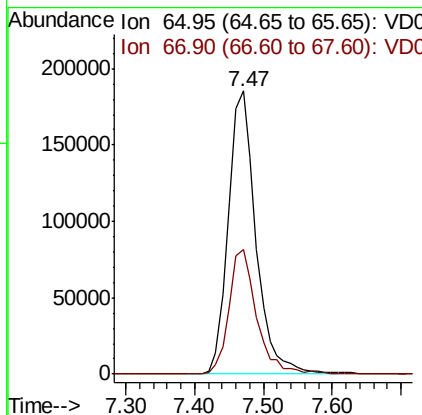
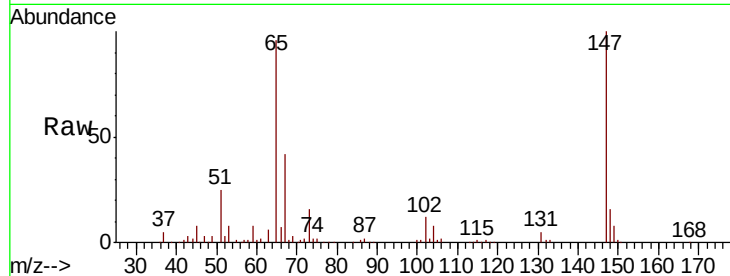




#33
 1,2-Dichloroethane-d4
 Concen: 55.686 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD062559.D
 Acq: 31 May 2019 12:59

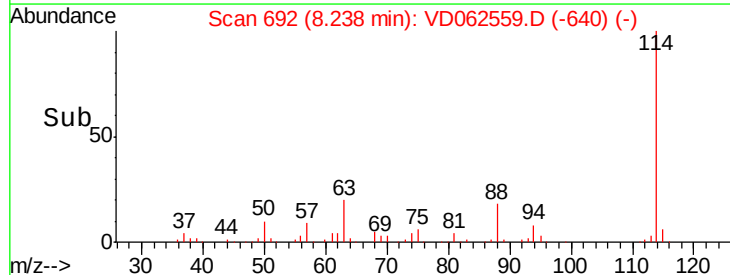
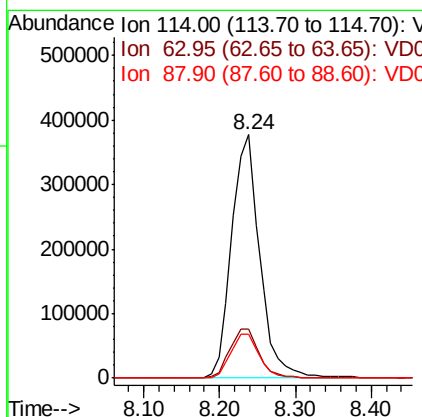
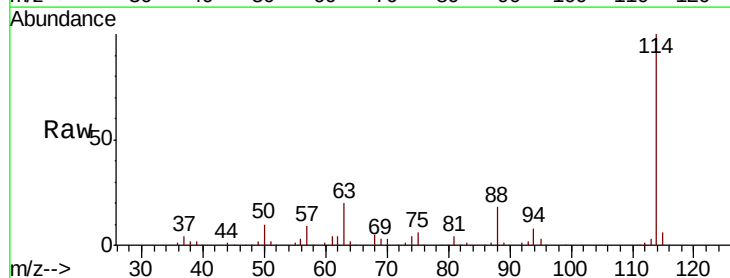
Instrument :
 MSVOA_D
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 VD0531SBL01

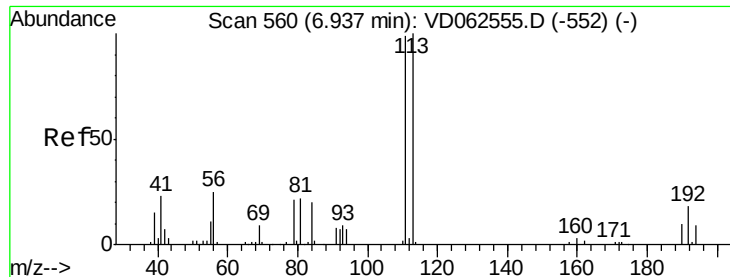
Tot Ion: 65 Resp: 514903
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062559.D
 Acq: 31 May 2019 12:59

Tgt Ion: 114 Resp: 969478
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 18.2 0.0 37.6

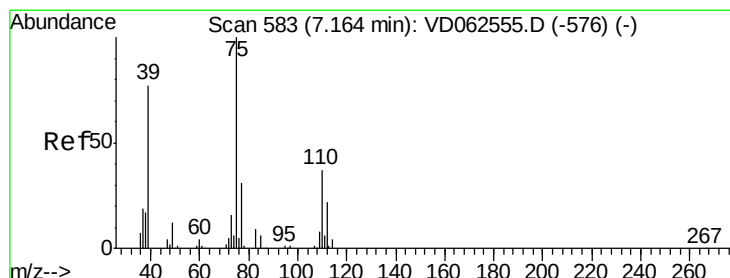
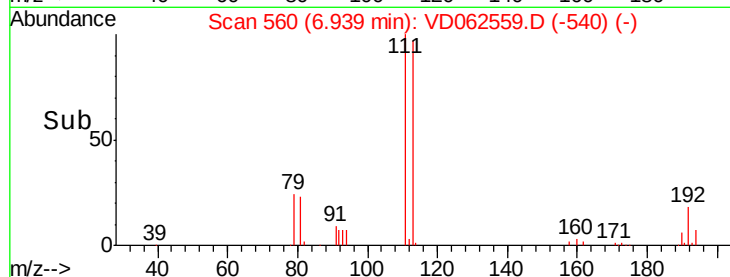
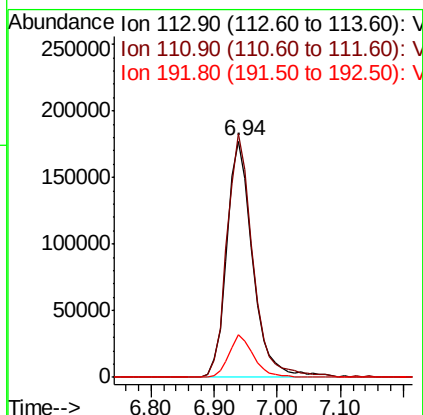
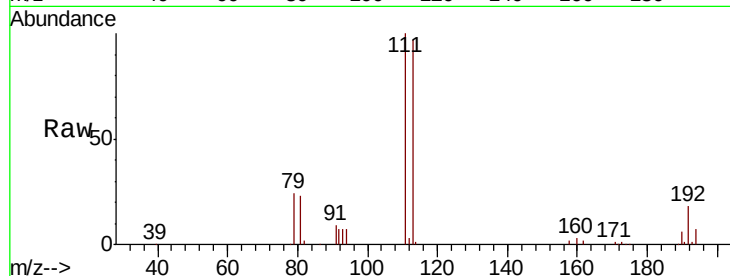




#35
 Dibromofluoromethane
 Concen: 56.952 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD062559.D
 Acq: 31 May 2019 12:59

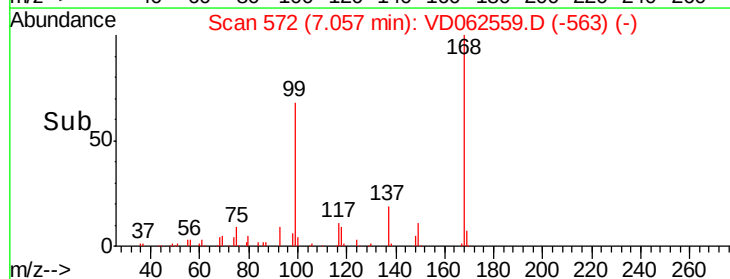
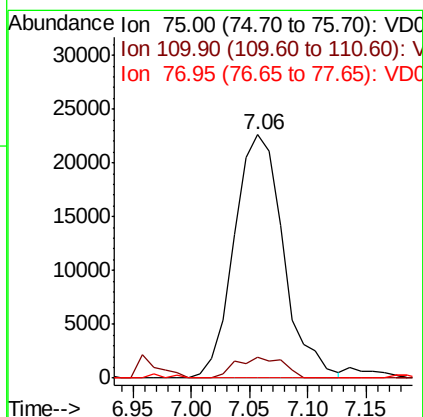
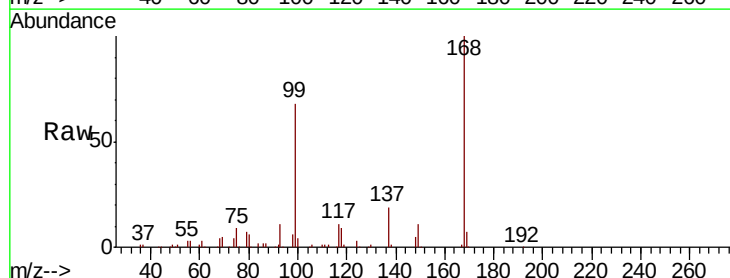
Instrument :
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 VD0531SBL01

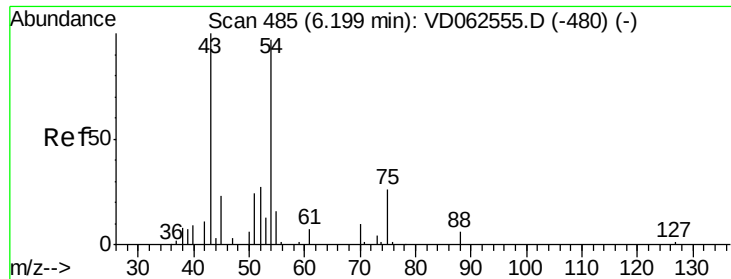
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	78.8	118.2
192	18.2	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 6.843 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD062559.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.3	54.8#
77	0.0	24.4	36.6#

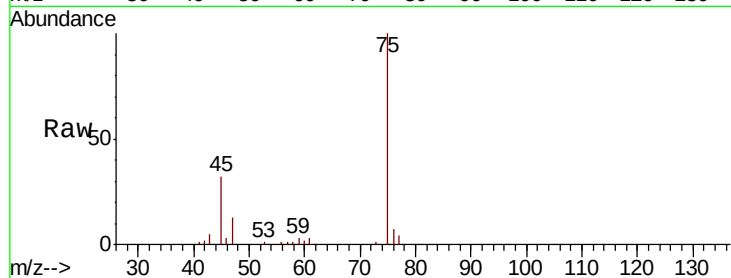




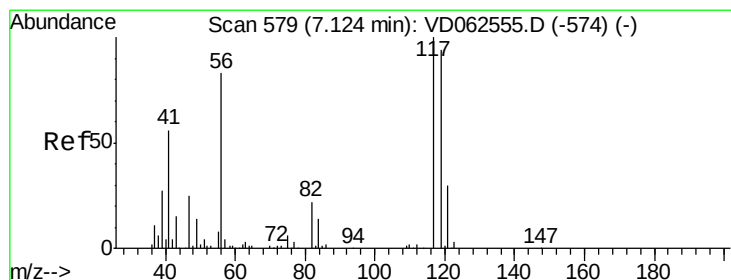
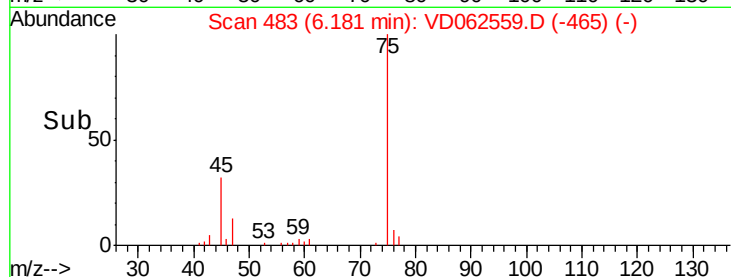
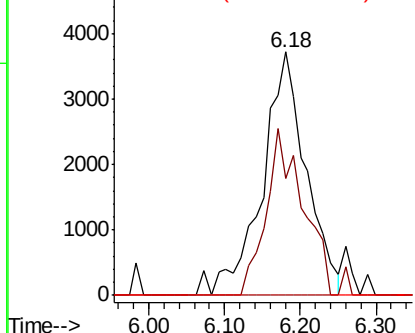
#37
Ethyl Acetate
Concen: 3.708 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD062559.D
Acq: 31 May 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBL01

Tot Ion: 43 Resp: 15087
Ion Ratio Lower Upper
43 100
61 48.3 9.8 14.8#
70 0.0 6.5 9.7#

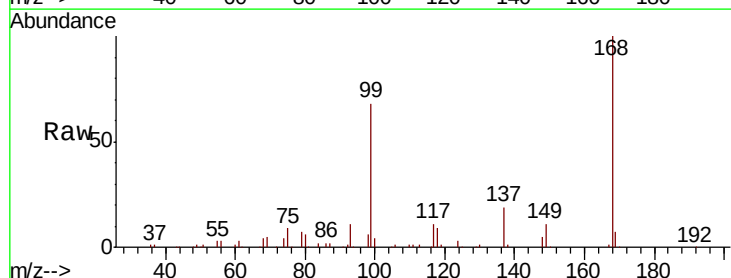


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

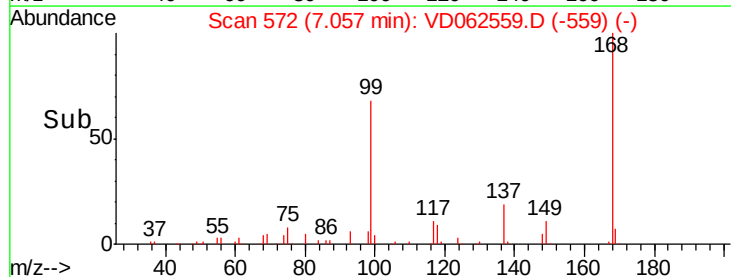
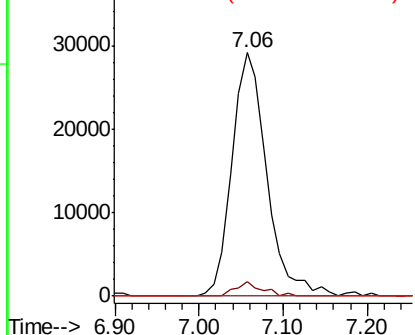


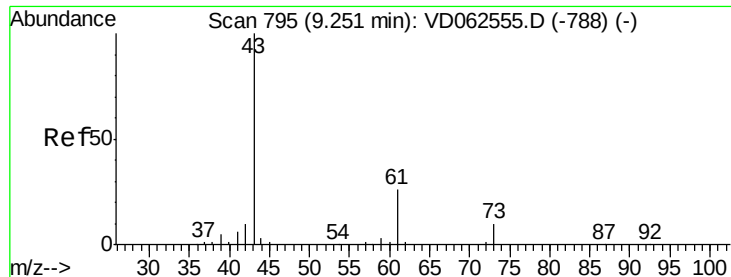
#38
Carbon Tetrachloride
Concen: 5.841 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD062559.D
Acq: 31 May 2019 12:59

Tgt Ion: 117 Resp: 83930
Ion Ratio Lower Upper
117 100
119 5.7 71.4 107.2#
121 0.0 22.5 33.7#



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





#43

Isopropyl Acetate

Concen: 1.551 ug/l

RT: 9.56 min Scan# 826

Delta R.T. 0.31 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBL01

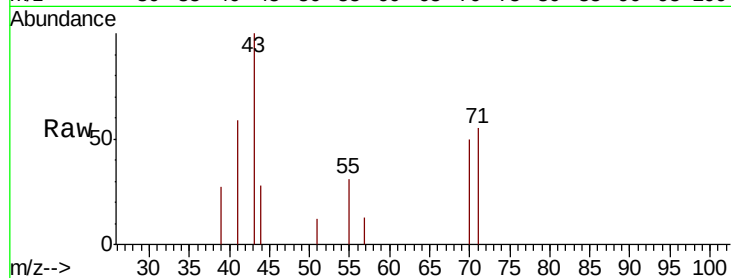
Tot Ion: 43 Resp: 7856

Ion Ratio Lower Upper

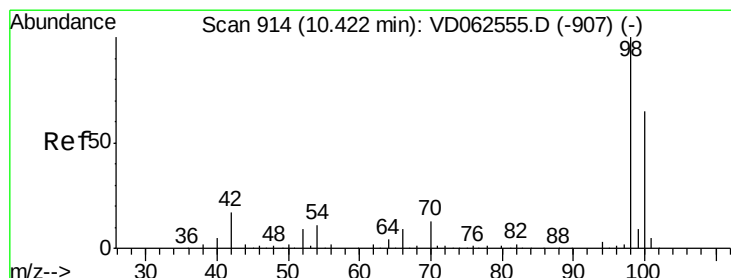
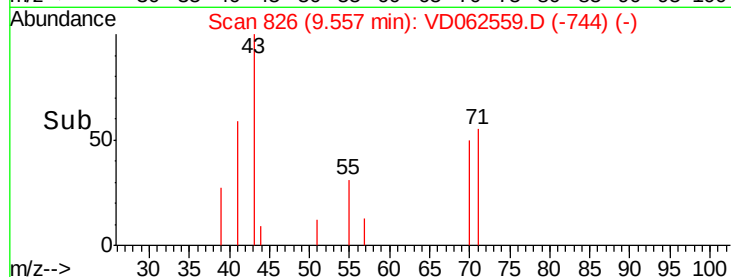
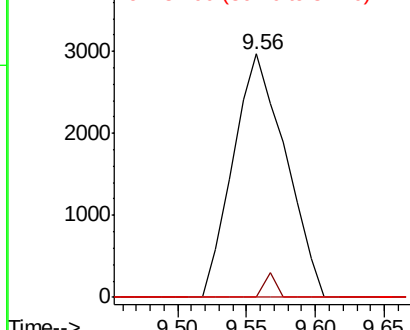
43 100

61 0.0 20.5 30.7#

87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 54.372 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD062559.D

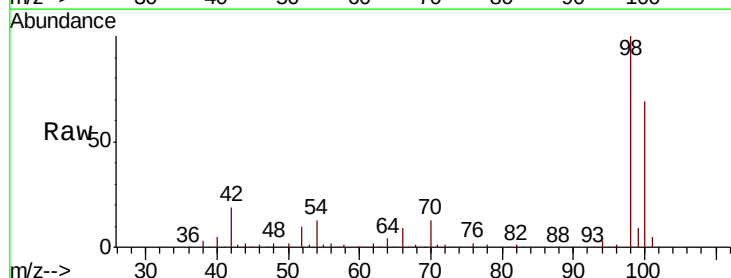
Acq: 31 May 2019 12:59

Tgt Ion: 98 Resp: 1052450

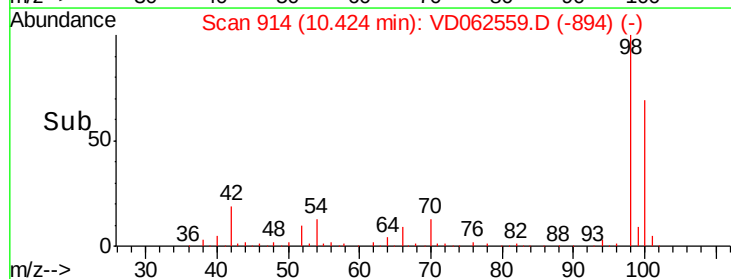
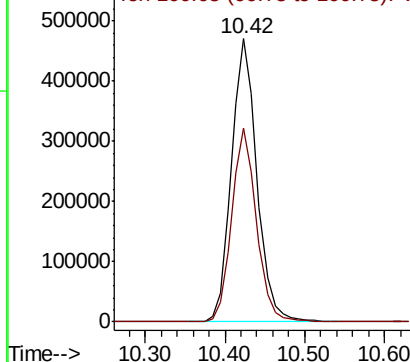
Ion Ratio Lower Upper

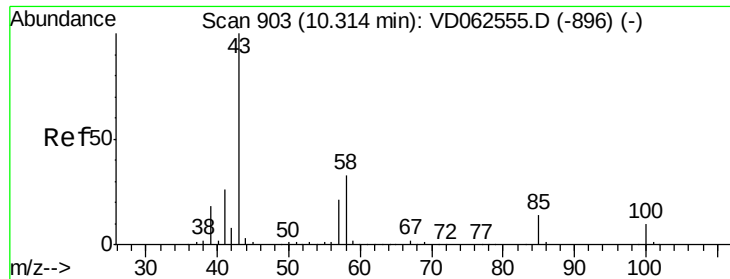
98 100

100 68.6 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.696 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

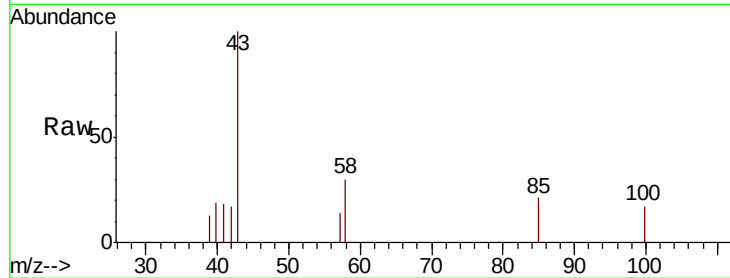
VD0531SBL01

Tot Ion: 43 Resp: 5992

Ion Ratio Lower Upper

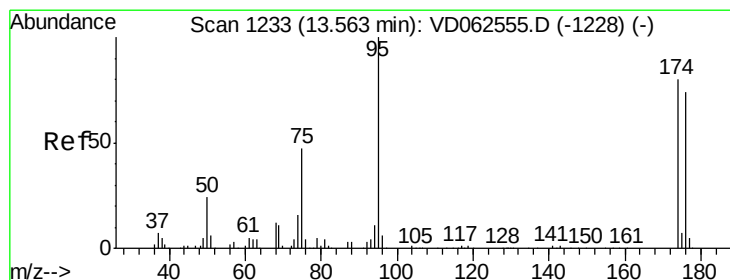
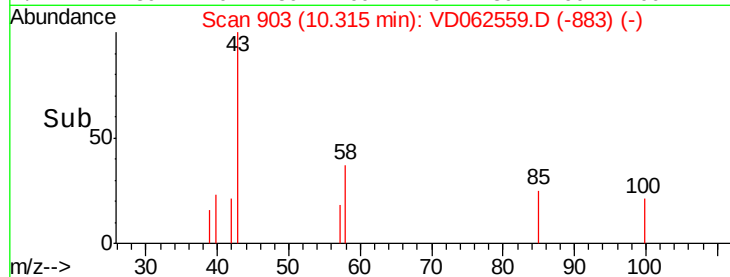
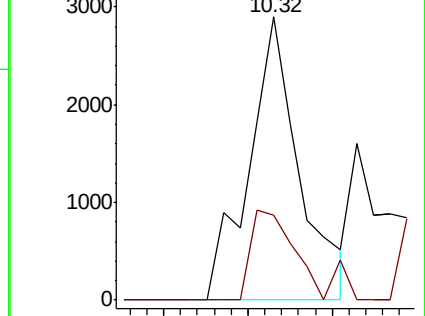
43 100

58 30.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 57.228 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

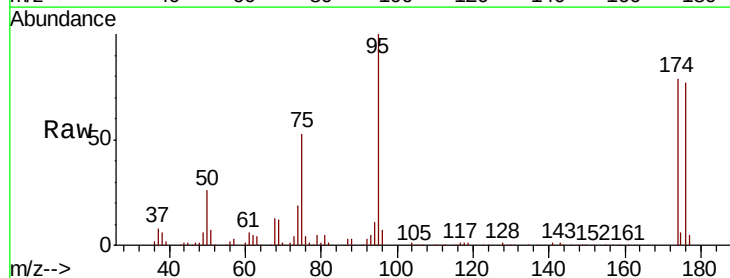
Tgt Ion: 95 Resp: 499556

Ion Ratio Lower Upper

95 100

174 79.3 0.0 160.2

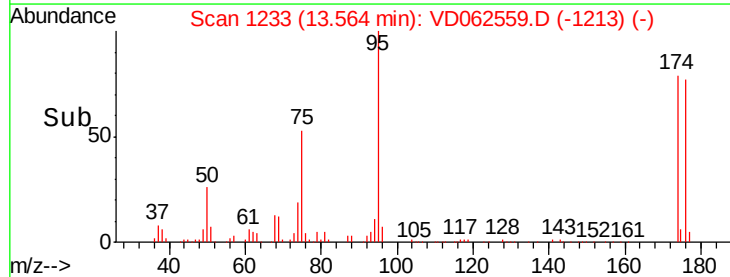
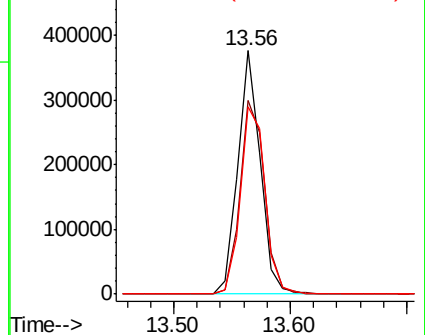
176 76.7 0.0 148.0

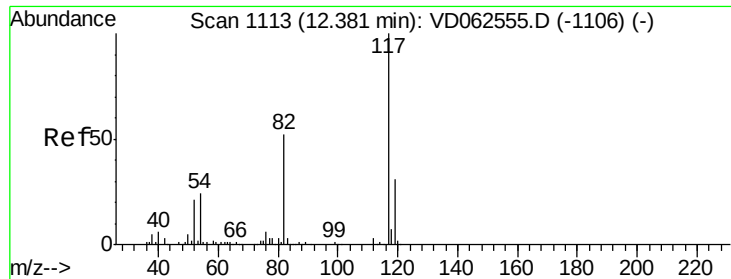


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

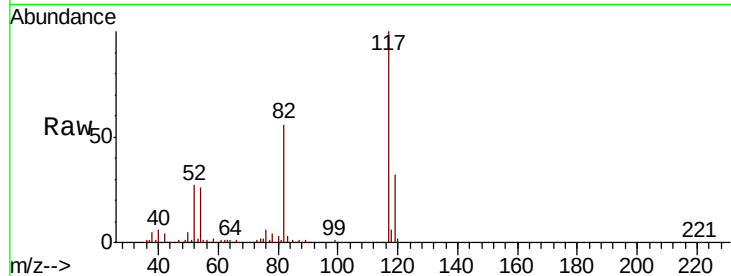




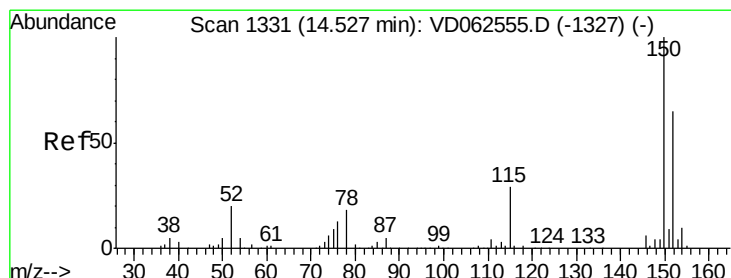
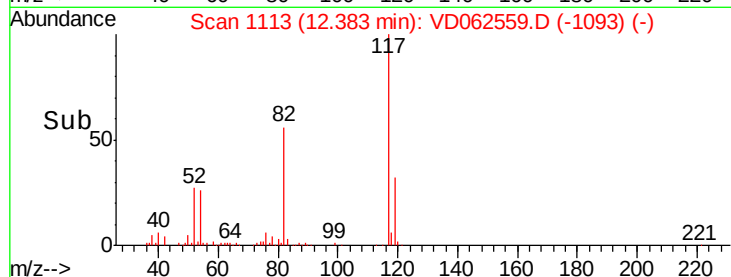
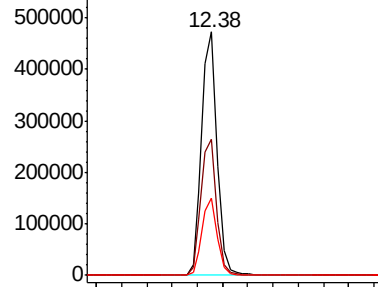
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062559.D
Acq: 31 May 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBL01

Tot Ion:117 Resp: 802375
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.2
119 31.6 24.9 37.3

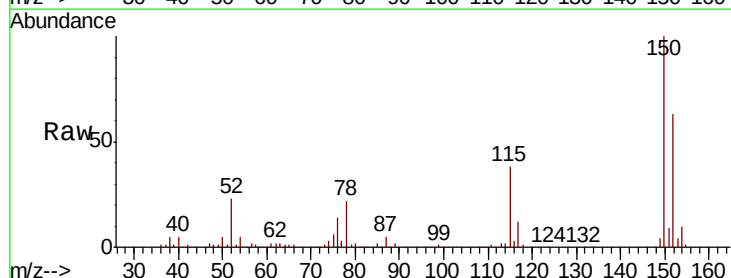


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

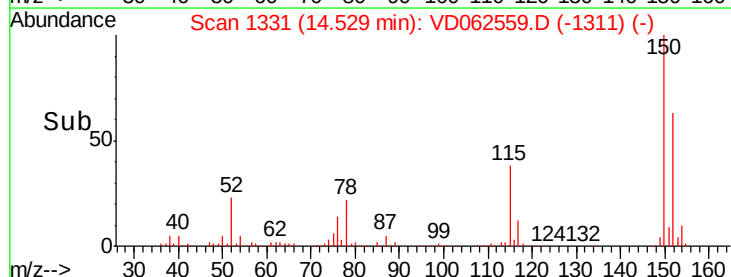
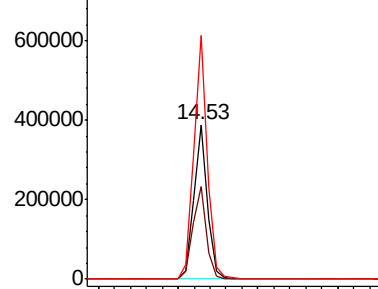


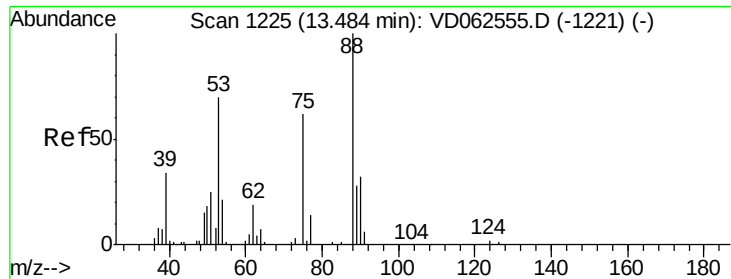
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD062559.D
Acq: 31 May 2019 12:59

Tgt Ion:152 Resp: 464447
Ion Ratio Lower Upper
152 100
115 59.8 28.4 85.3
150 158.1 0.0 310.4



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: 161.347 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062559.D

Acq: 31 May 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBL01

Tot Ion: 75 Resp: 257609

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#

