

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062132.D
 Acq On : 6 May 2019 15:56
 Operator : FY/SY
 Sample : K2668-03RE
 Misc : 4.55g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2RE

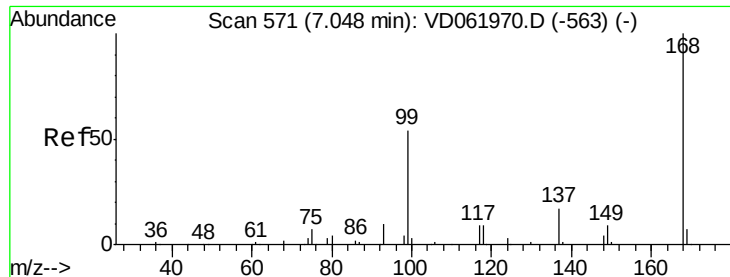
Quant Time: May 07 05:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	373466	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	668164	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	609516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	288470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	181687	62.16	ug/l	-0.02
Spiked Amount			Recovery	=	124.32%	
35) Dibromofluoromethane	6.92	113	259657	56.19	ug/l	-0.02
Spiked Amount			Recovery	=	112.38%	
50) Toluene-d8	10.40	98	613254	55.77	ug/l	-0.02
Spiked Amount			Recovery	=	111.54%	
62) 4-Bromofluorobenzene	13.55	95	252653	57.29	ug/l	0.00
Spiked Amount			Recovery	=	114.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1440	1.327	ug/l #	12
8) Diethyl Ether	2.86	74	2148	2.063	ug/l	91
10) Methyl Iodide	3.31	142	191	5.460	ug/l #	37
11) Tert butyl alcohol	3.98	59	4232	25.625	ug/l #	76
16) Acetone	3.20	43	61433	88.024	ug/l	100
20) Methylene Chloride	3.79	84	32170	6.707	ug/l	90
31) Cyclohexane	7.02	56	6894	1.583	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	27182	5.222	ug/l #	45
38) Carbon Tetrachloride	7.03	117	36832	5.584	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	2287	1.154	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	93727	84.433	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062132.D

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Instrument :

MSVOA_D

ClientSampleId :

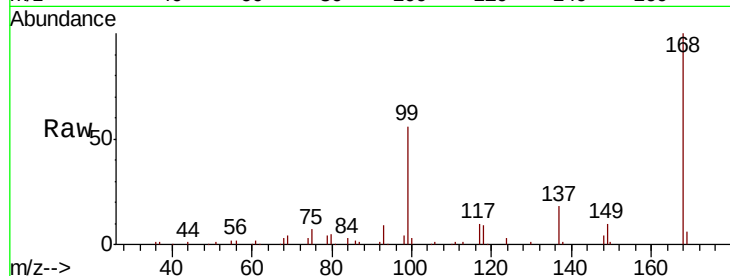
TP-2RE

Tot Ion:168 Resp: 373466

Ion Ratio Lower Upper

168 100

99 56.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

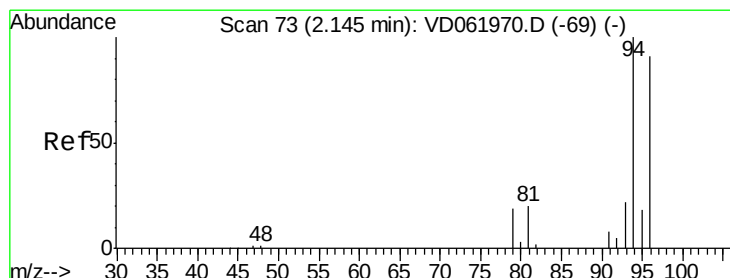
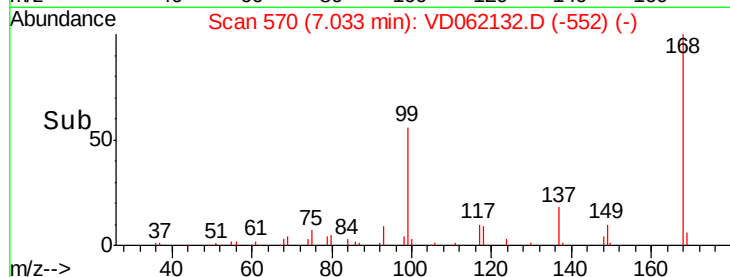
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.327 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

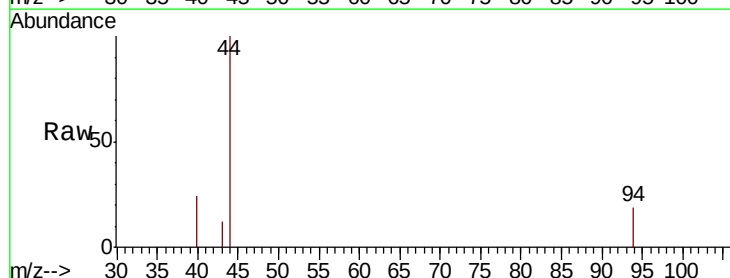
Tgt Ion: 94 Resp: 1440

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

2.15

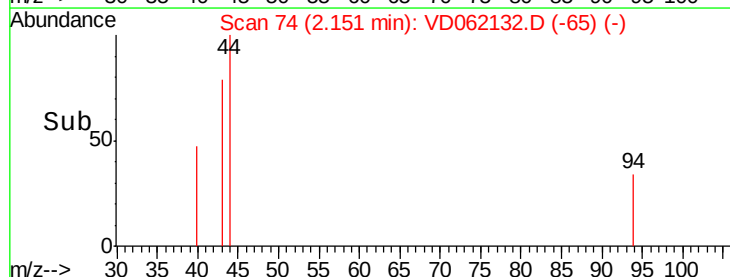
600

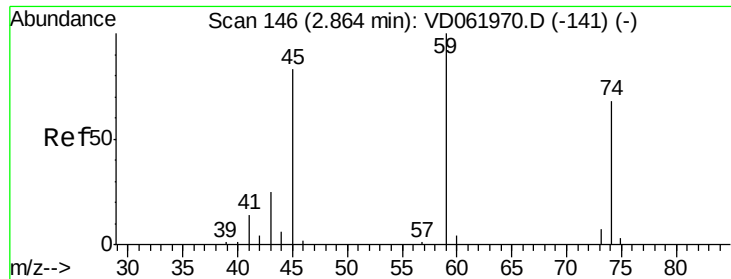
400

200

0

Time-->





#8

Diethyl Ether

Concen: 2.063 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

Instrument :

MSVOA_D

ClientSampled :

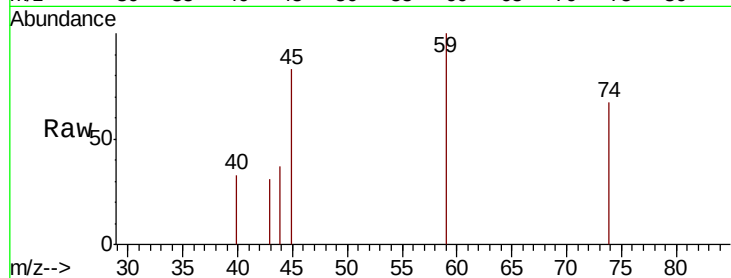
TP-2RE

Tot Ion: 74 Resp: 2148

Ion Ratio Lower Upper

74 100

45 124.0 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

1500

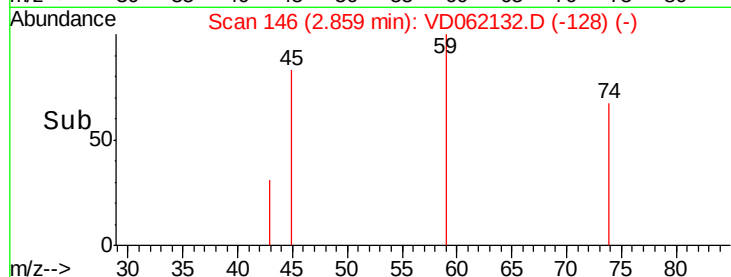
1000

500

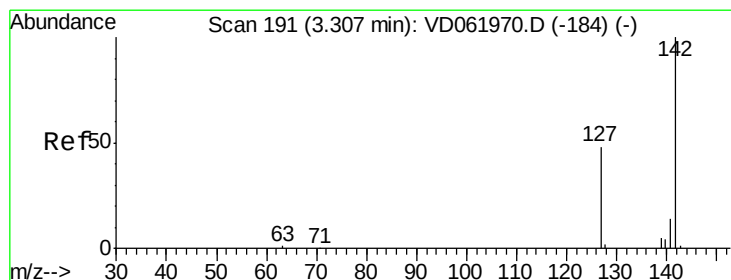
0

2.80 2.85 2.90

2.86



Time-->



#10

Methyl Iodide

Concen: 5.460 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

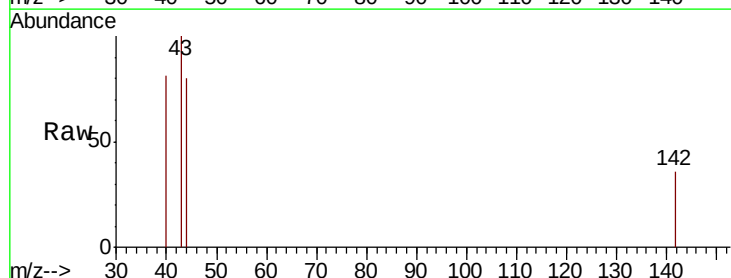
Tgt Ion: 142 Resp: 191

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

600

500

400

300

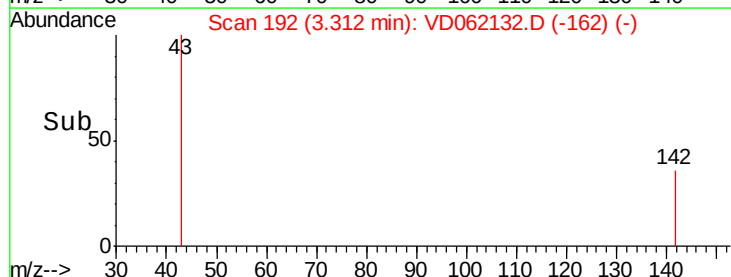
200

100

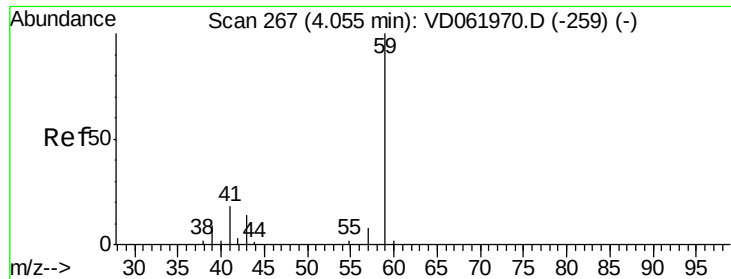
0

3.30 3.31 3.32

3.31



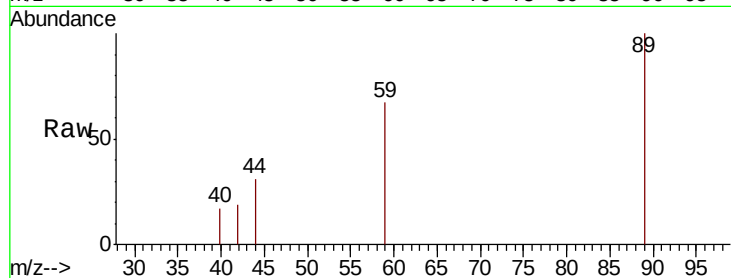
Time-->



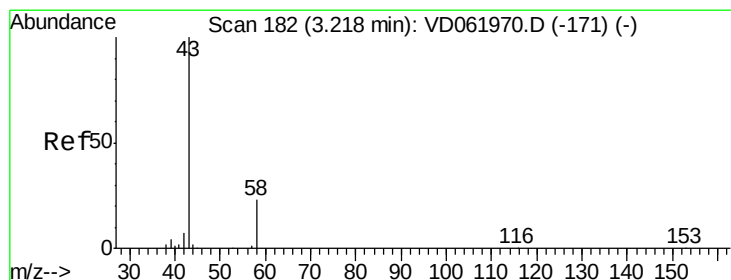
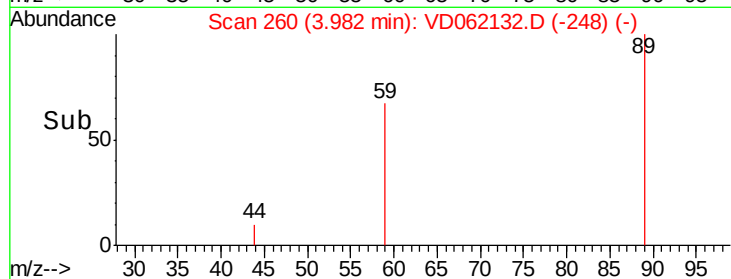
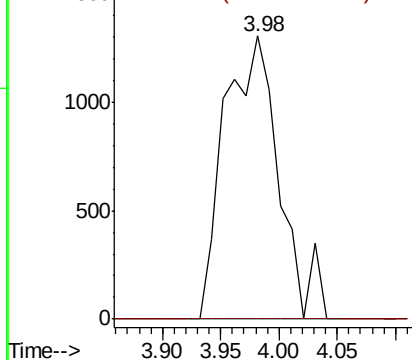
#11
Tert butyl alcohol
Concen: 25.625 ug/l
RT: 3.98 min Scan# 260
Delta R.T. -0.08 min
Lab File: VD062132.D
Acq: 6 May 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :
TP-2RE

Tot Ion: 59 Resp: 4232
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

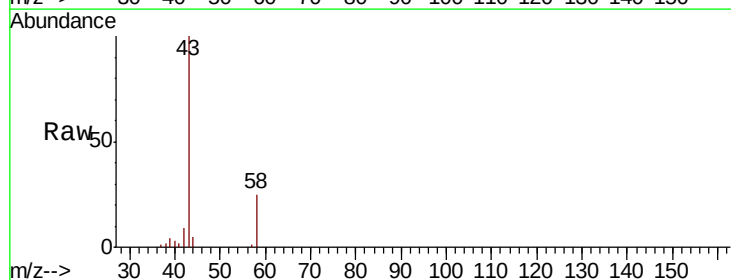


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

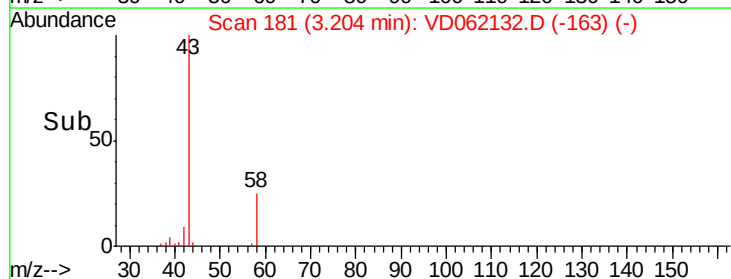
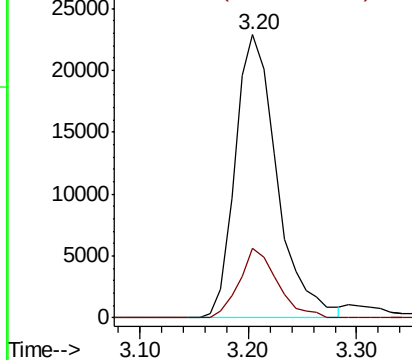


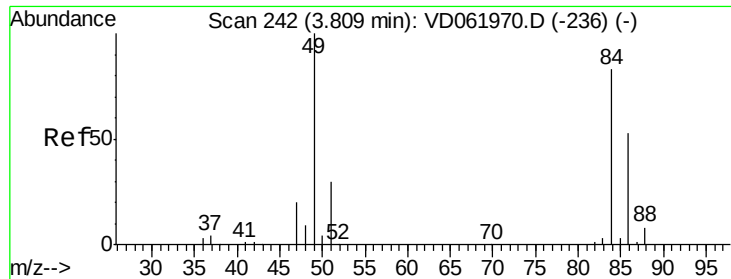
#16
Acetone
Concen: 88.024 ug/l
RT: 3.20 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD062132.D
Acq: 6 May 2019 15:56

Tgt Ion: 43 Resp: 61433
Ion Ratio Lower Upper
43 100
58 24.8 19.9 29.9



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

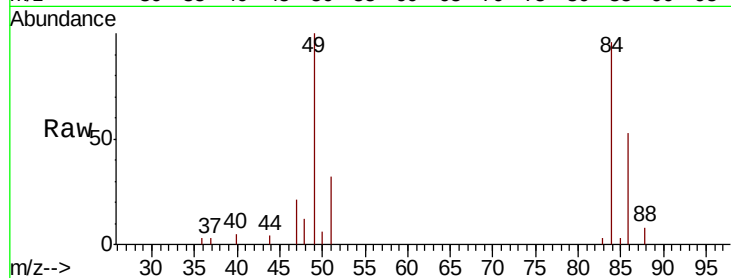




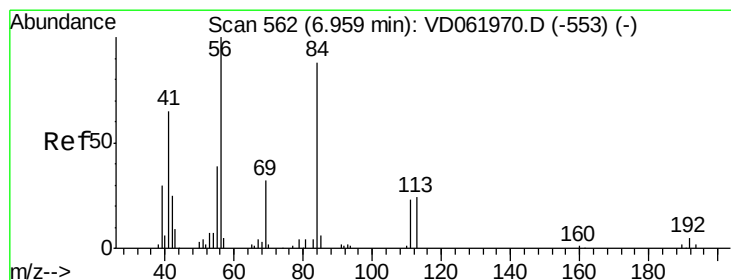
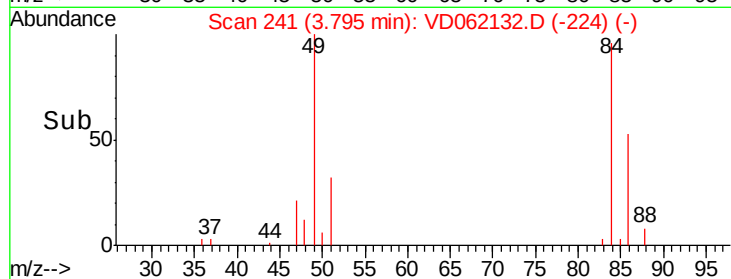
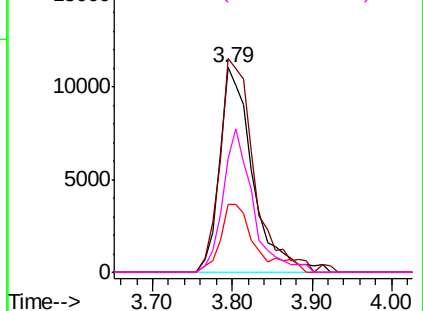
#20
Methylene Chloride
Concen: 6.707 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062132.D
Acq: 6 May 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :
TP-2RE

Tot Ion: 84 Resp: 32170
Ion Ratio Lower Upper
84 100
49 104.3 94.0 141.0
51 33.1 29.0 43.4
86 55.4 49.8 74.6

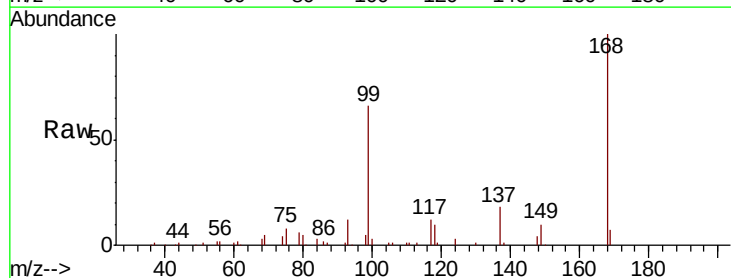


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

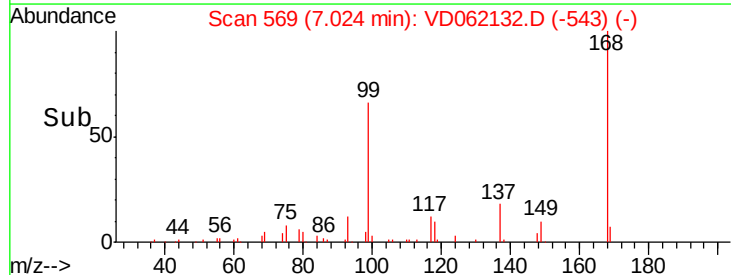
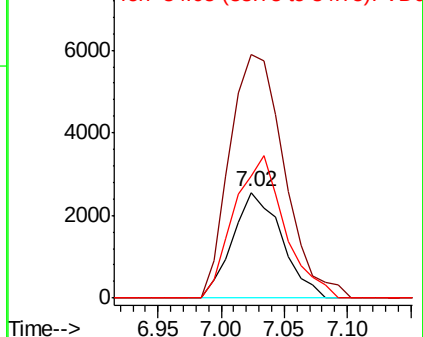


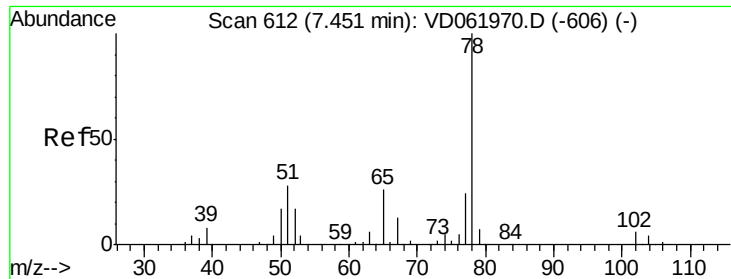
#31
Cyclohexane
Concen: 1.583 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD062132.D
Acq: 6 May 2019 15:56

Tgt Ion: 56 Resp: 6894
Ion Ratio Lower Upper
56 100
69 231.1 25.8 38.6#
84 116.4 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

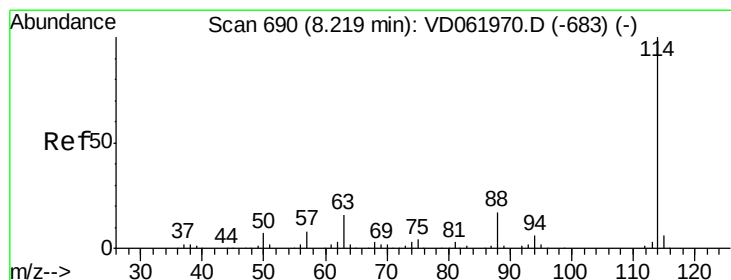
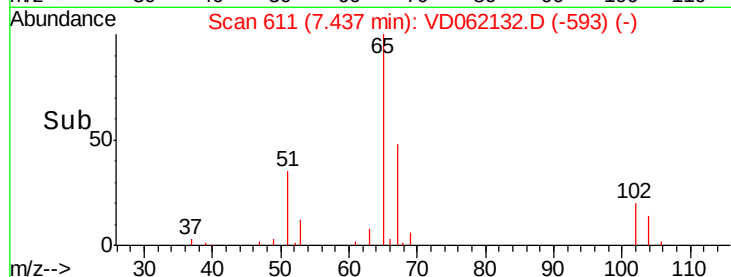
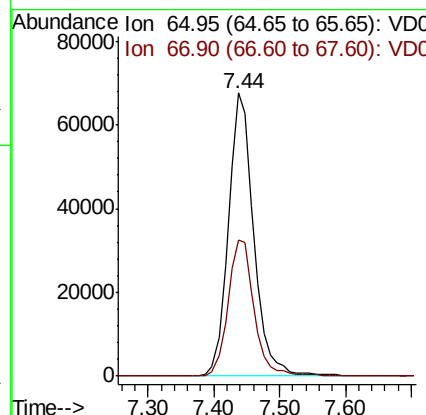
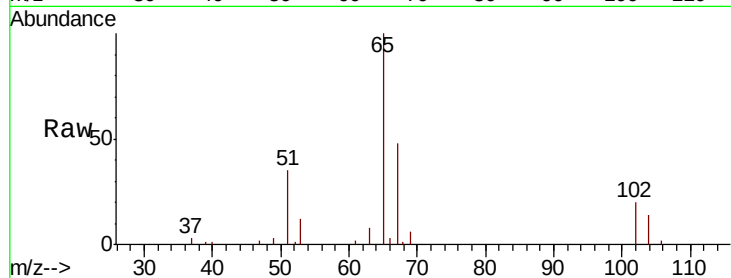




#33
 1,2-Dichloroethane-d4
 Concen: 62.159 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062132.D
 Acq: 6 May 2019 15:56

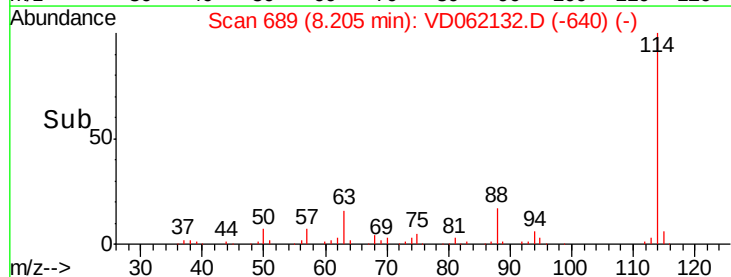
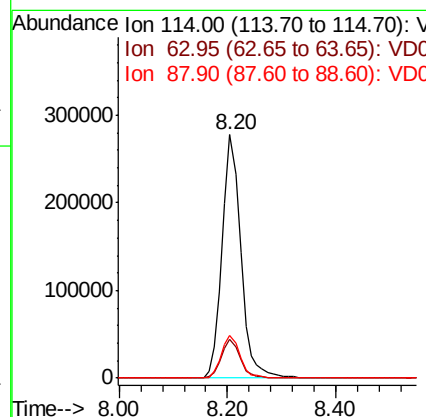
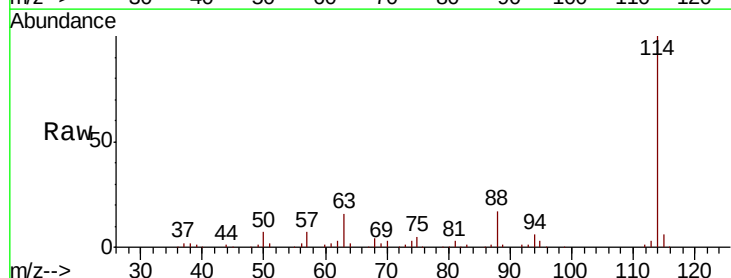
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2RE

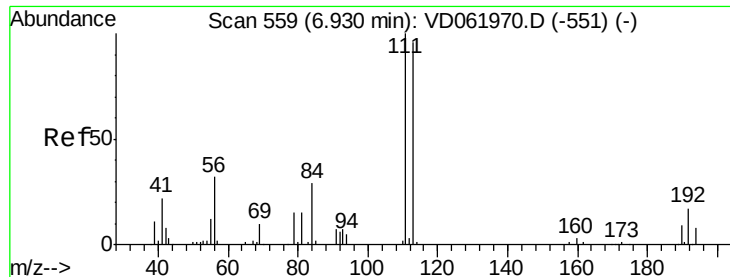
Tot Ion: 65 Resp: 181687
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD062132.D
 Acq: 6 May 2019 15:56

Tgt Ion: 114 Resp: 668164
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 32.4
 88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 56.191 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

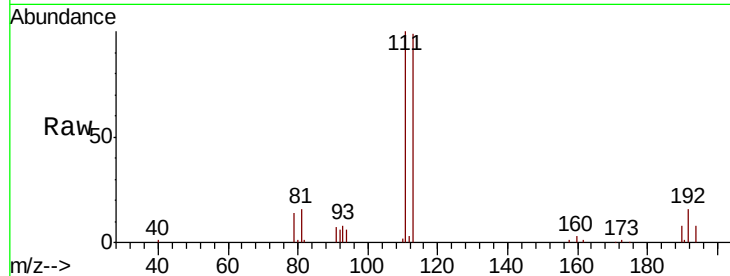
Tot Ion:113 Resp: 259657

Ion Ratio Lower Upper

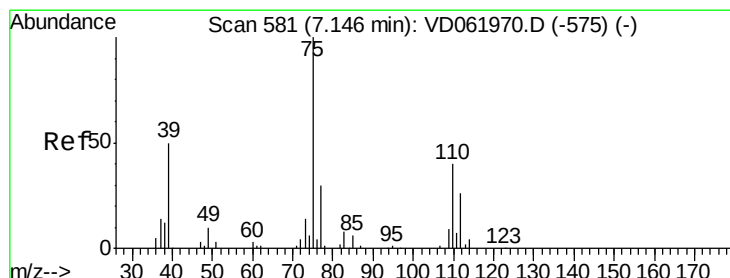
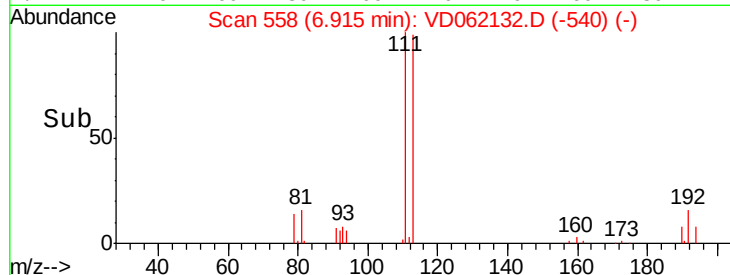
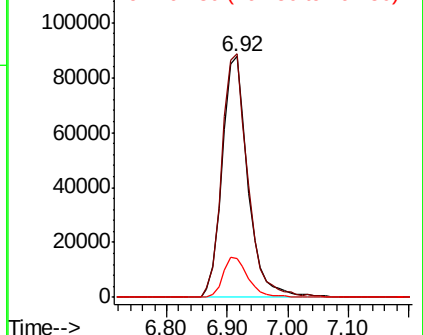
113 100

111 101.3 78.5 117.7

192 16.2 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: 5.222 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

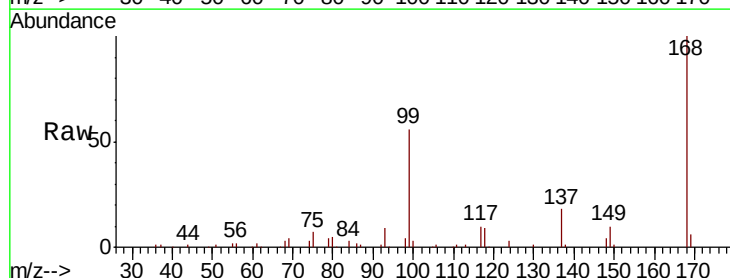
Tgt Ion: 75 Resp: 27182

Ion Ratio Lower Upper

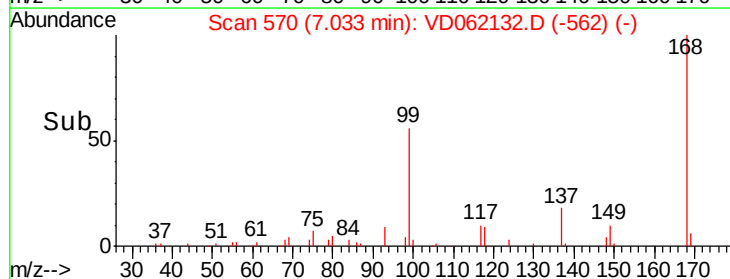
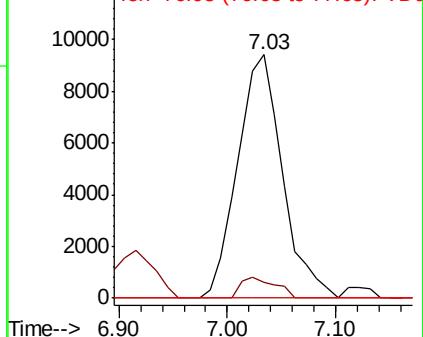
75 100

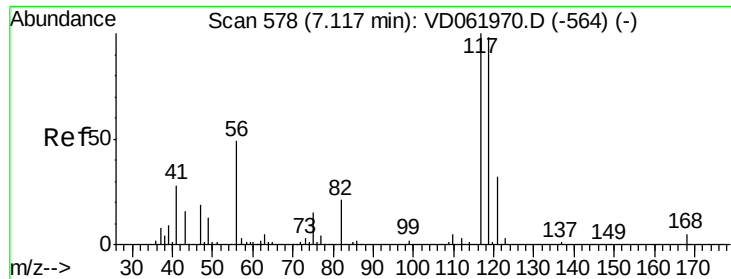
110 6.3 19.1 57.1#

77 0.0 25.6 38.4#



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





#38

Carbon Tetrachloride

Concen: 5.584 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

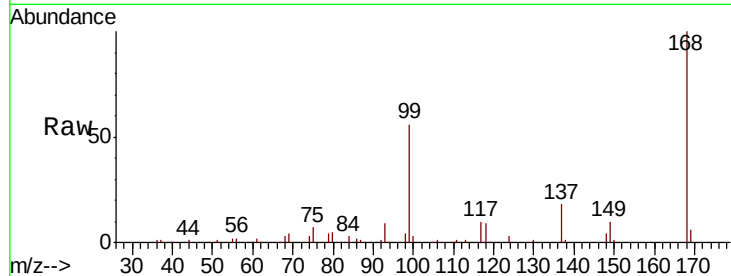
Tot Ion:117 Resp: 36832

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

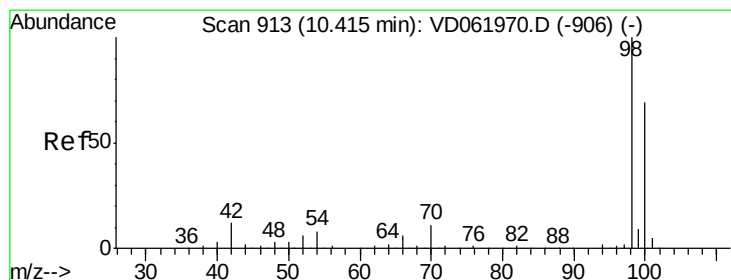
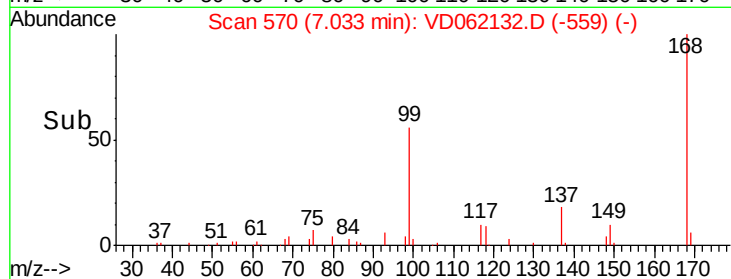
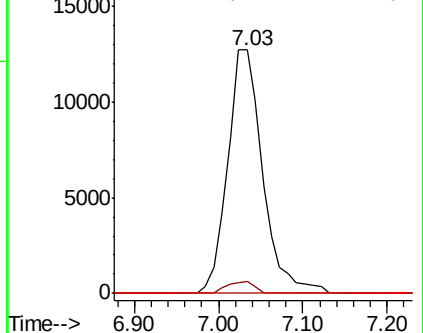
121 0.0 25.9 38.9#



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: 55.772 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062132.D

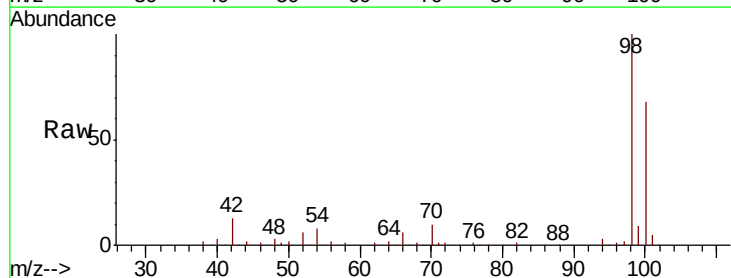
Acq: 6 May 2019 15:56

Tgt Ion: 98 Resp: 613254

Ion Ratio Lower Upper

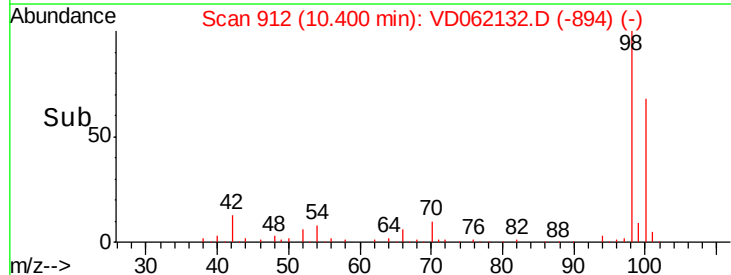
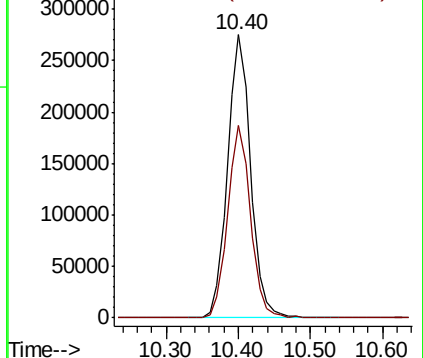
98 100

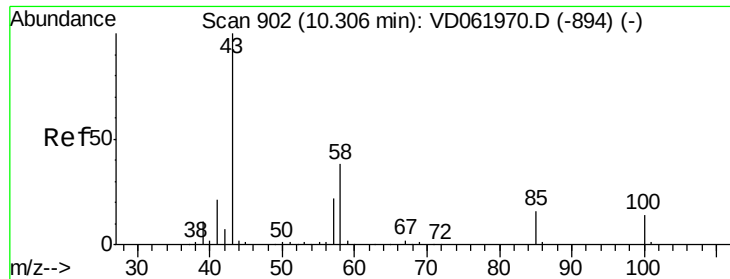
100 68.0 53.8 80.8



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: 1.154 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

Instrument :

MSVOA_D

ClientSampled :

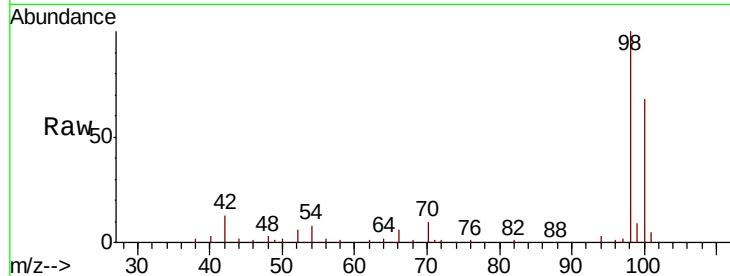
TP-2RE

Tot Ion: 43 Resp: 2287

Ion Ratio Lower Upper

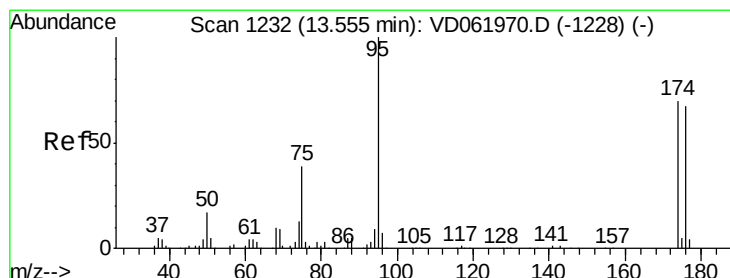
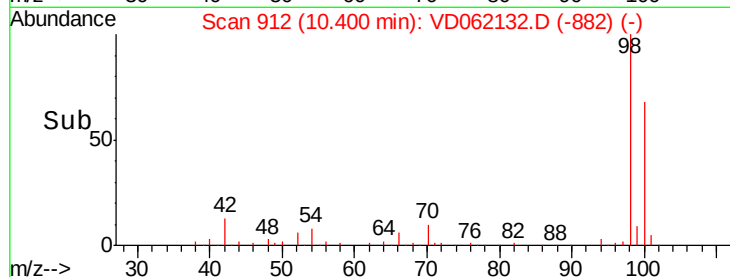
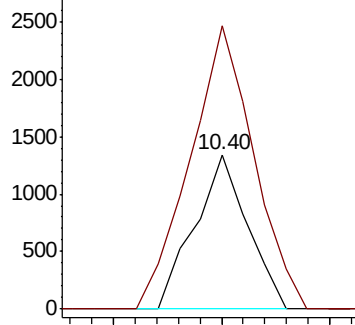
43 100

58 183.1 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: 57.287 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

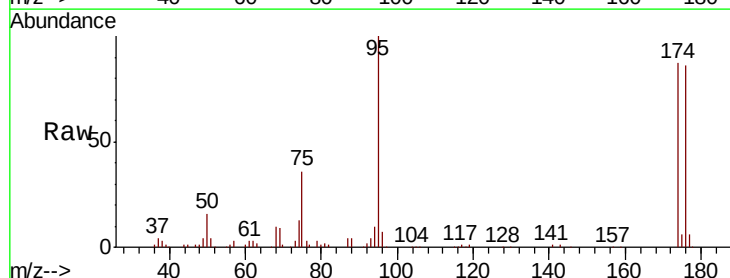
Tgt Ion: 95 Resp: 252653

Ion Ratio Lower Upper

95 100

174 87.0 0.0 181.8

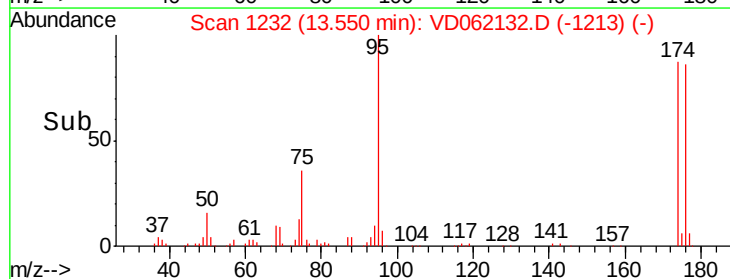
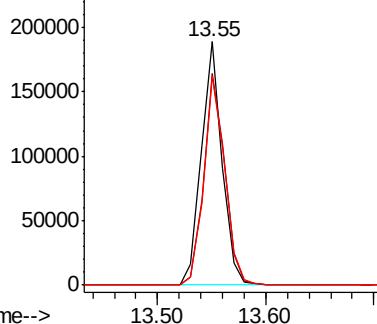
176 85.8 0.0 174.4

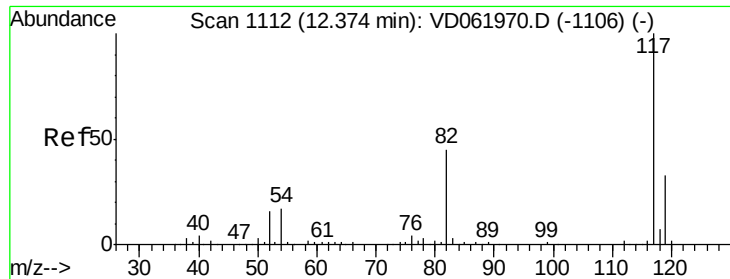


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

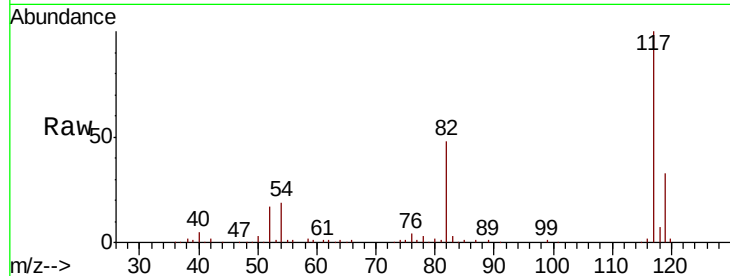




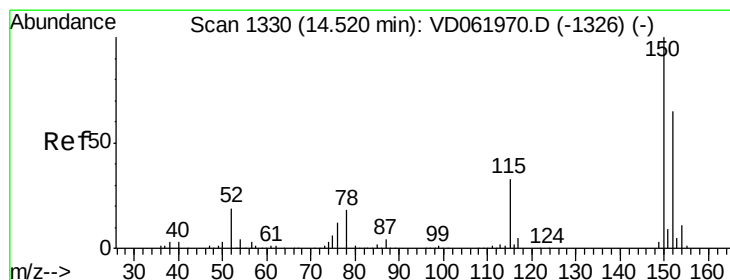
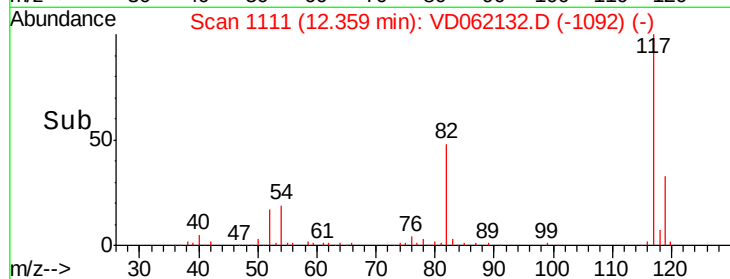
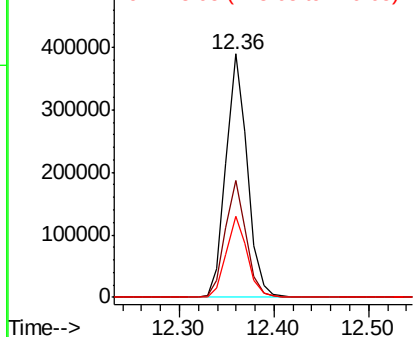
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062132.D
Acq: 6 May 2019 15:56

Instrument :
MSVOA_D
ClientSampled :
TP-2RE

Tot Ion:117 Resp: 609516
Ion Ratio Lower Upper
117 100
82 47.8 36.2 54.2
119 33.3 26.2 39.4

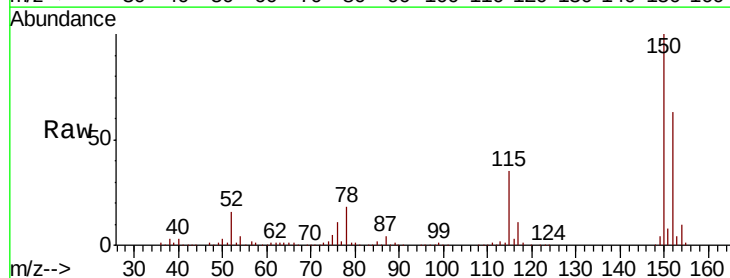


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

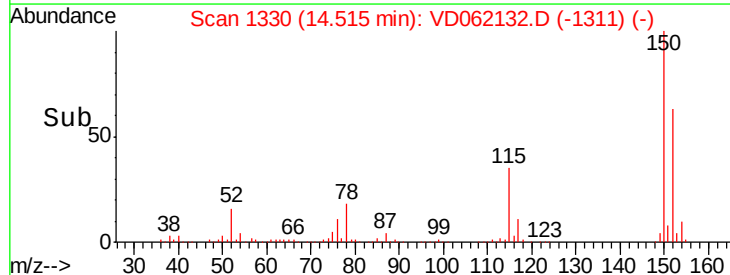
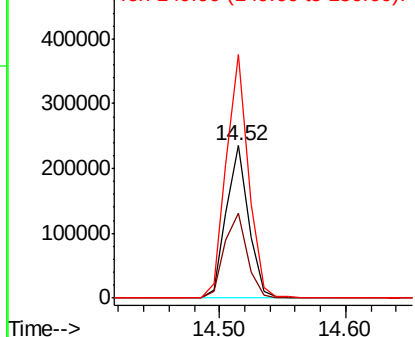


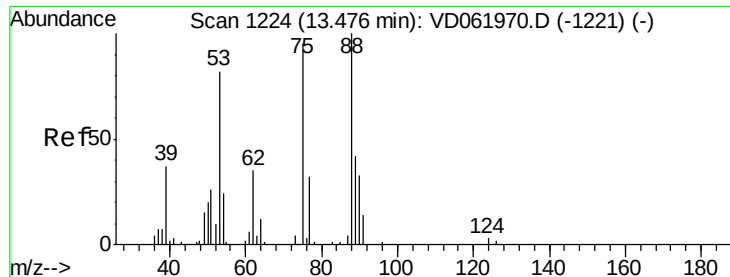
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062132.D
Acq: 6 May 2019 15:56

Tgt Ion:152 Resp: 288470
Ion Ratio Lower Upper
152 100
115 56.0 30.9 92.7
150 159.6 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: 84.433 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062132.D

Acq: 6 May 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

TP-2RE

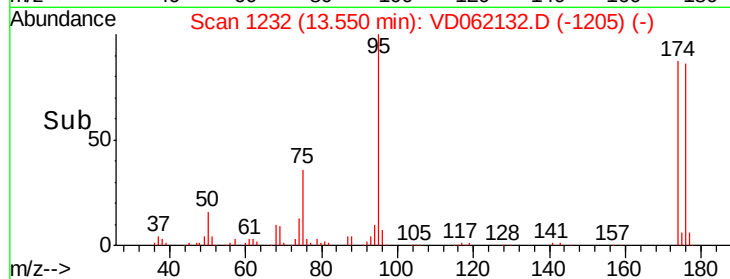
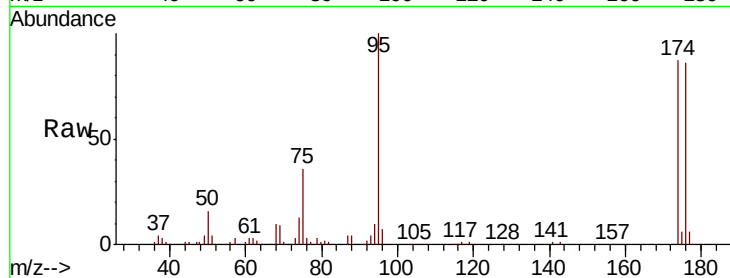
Tot Ion: 75 Resp: 93727

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

