

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063431.D
 Acq On : 8 Aug 2019 11:51
 Operator : JC/SY
 Sample : VD0808SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBL01

Quant Time: Aug 09 06:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

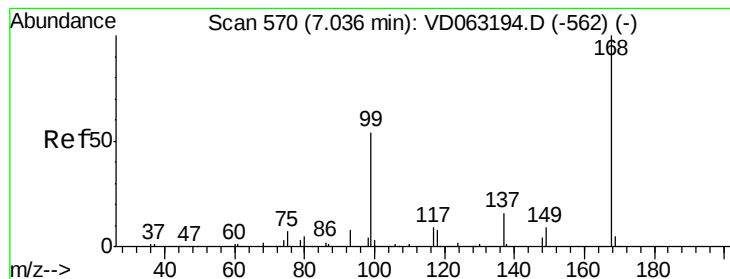
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1042919	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1400732	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1225305	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	639561	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	570926	49.34	ug/l	0.02
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	6.93	113	668155	55.87	ug/l	0.02
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.42	98	1453472	54.31	ug/l	0.01
Spiked Amount			Recovery	=	108.62%	
62) 4-Bromofluorobenzene	13.56	95	599733	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	966	1.902	ug/l #	69
13) Acrolein	3.03	56	974	1.993	ug/l #	75
16) Acetone	3.23	43	7574	3.359	ug/l #	90
20) Methylene Chloride	3.82	84	11560	1.268	ug/l #	81
29) Tetrahydrofuran	6.16	42	1646	1.536	ug/l #	33
37) Ethyl Acetate	6.16	43	9425	1.641	ug/l #	39
38) Carbon Tetrachloride	7.06	117	104660	5.438	ug/l #	14
49) 1,4-Dioxane	8.66	88	471	7.600	ug/l #	22
76) 1,2,3-Trichloropropane	13.56	75	221993	28.898	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	265102	124.279	ug/l #	3
95) Naphthalene	16.13	128	21418	1.083	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	13594	1.229	ug/l	92

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

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Misc : 5.00g/5ml/MSV0A_D/SOIL
ALS Vial : 3 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

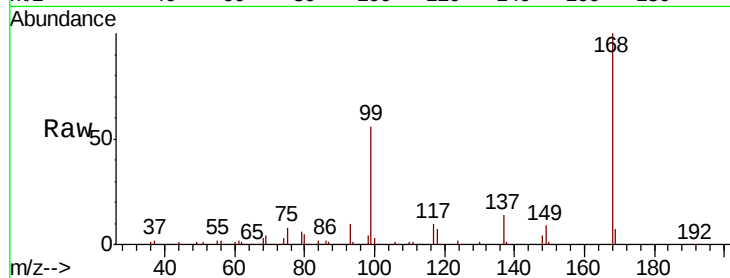
VD0808SBL01

Tgt Ion:168 Resp: 1042919

Ion Ratio Lower Upper

168 100

99 56.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

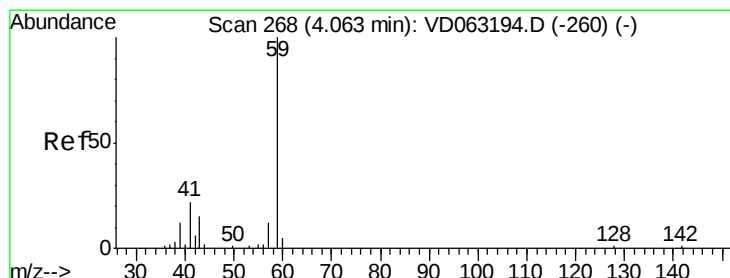
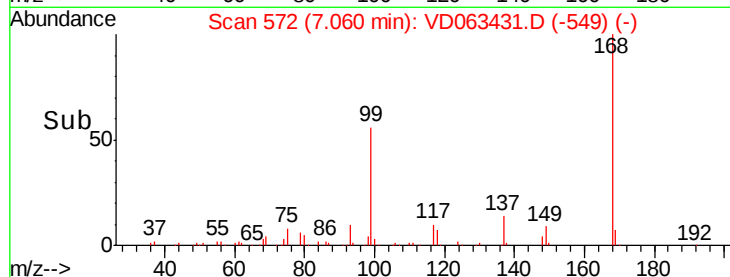
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.902 ug/l

RT: 4.09 min Scan# 270

Delta R.T. 0.02 min

Lab File: VD063431.D

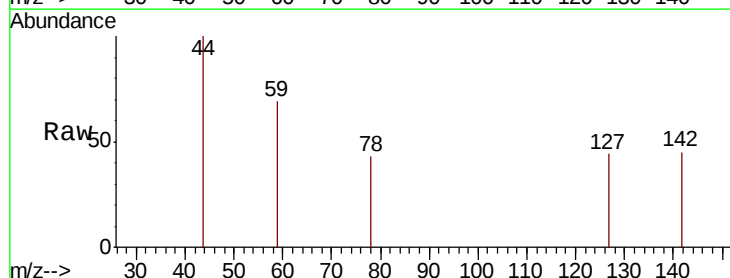
Acq: 8 Aug 2019 11:51

Tgt Ion: 59 Resp: 966

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

1200

1000

800

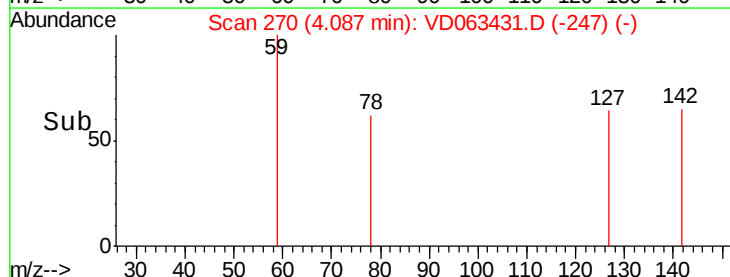
600

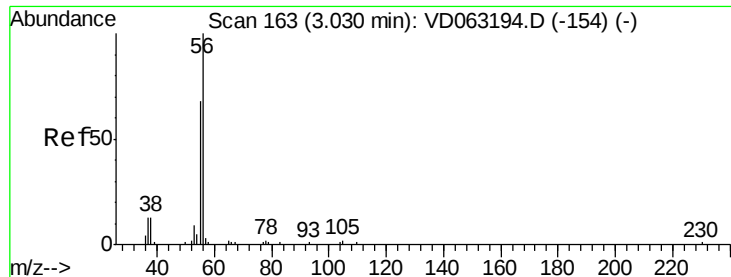
400

200

0

Time-->





#13

Acrolein

Concen: 1.993 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

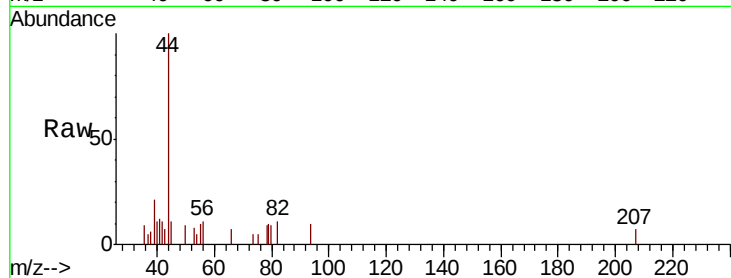
VD0808SBL01

Tgt Ion: 56 Resp: 974

Ion Ratio Lower Upper

56 100

55 89.5 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

800

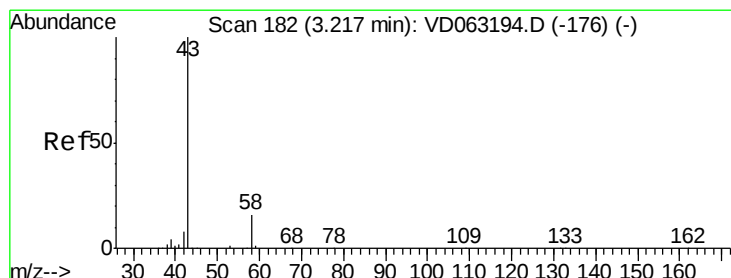
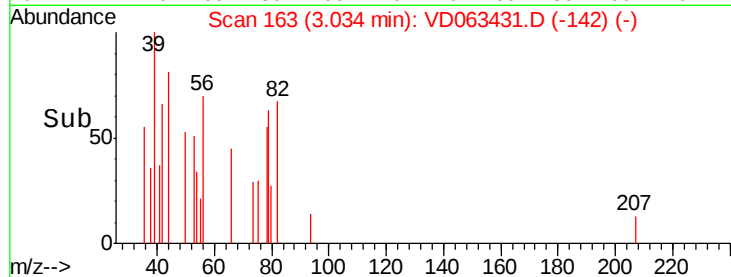
600

400

200

0

Time--> 2.98 3.00 3.02 3.04 3.06



#16

Acetone

Concen: 3.359 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063431.D

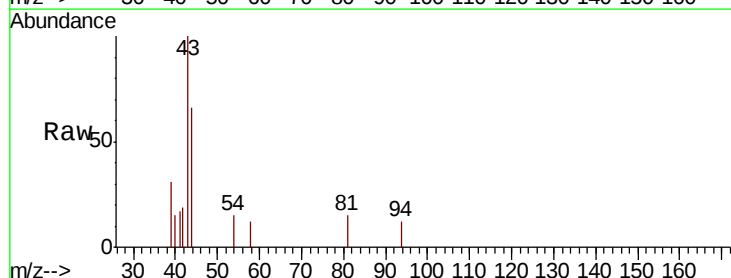
Acq: 8 Aug 2019 11:51

Tgt Ion: 43 Resp: 7574

Ion Ratio Lower Upper

43 100

58 12.1 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

3000

2500

2000

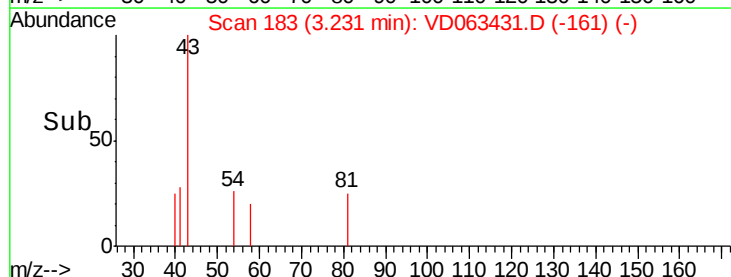
1500

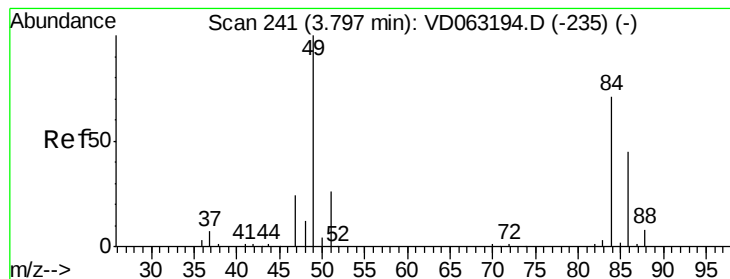
1000

500

0

Time--> 3.15 3.20 3.25 3.30





#20

Methylene Chloride

Concen: 1.268 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL01

Tgt Ion: 84 Resp: 11560

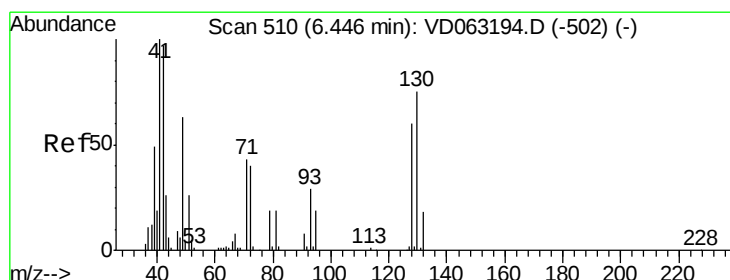
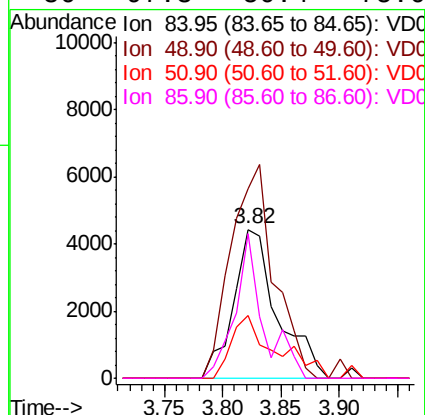
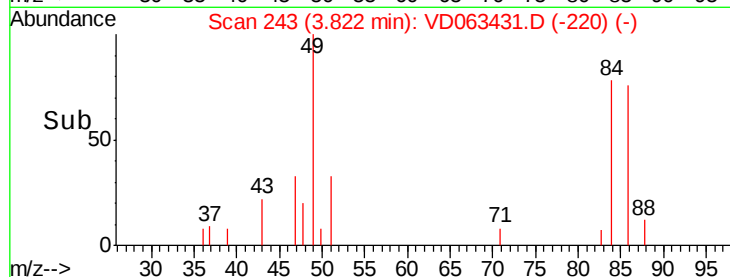
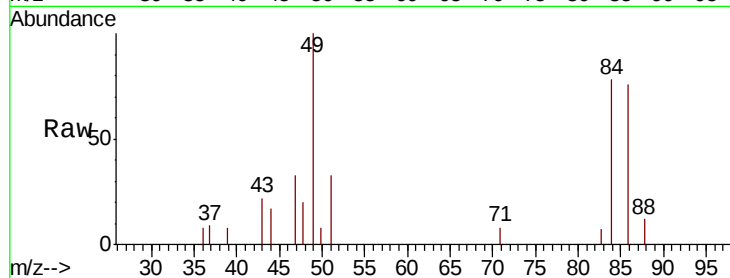
Ion Ratio Lower Upper

84 100

49 127.6 112.5 168.7

51 42.0 29.6 44.4

86 97.3 50.4 75.6#



#29

Tetrahydrofuran

Concen: 1.536 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.28 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

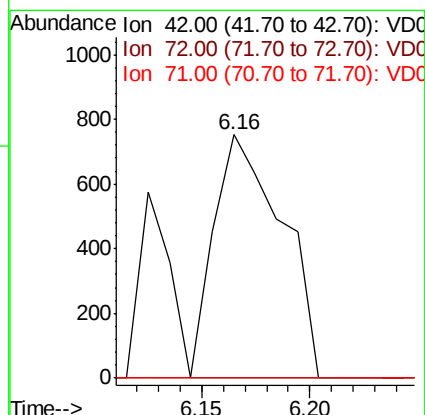
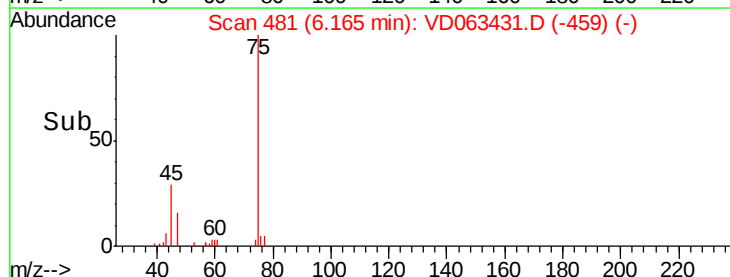
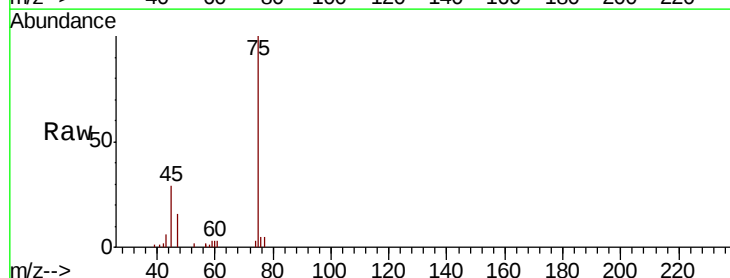
Tgt Ion: 42 Resp: 1646

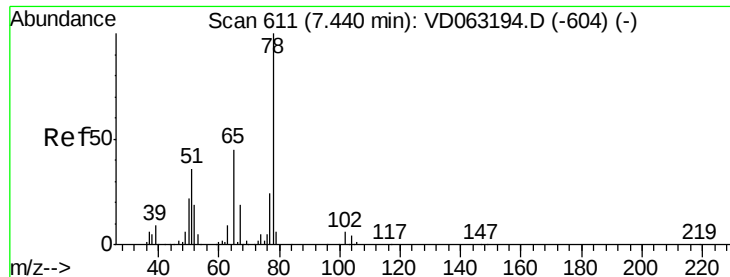
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 35.7 53.5#

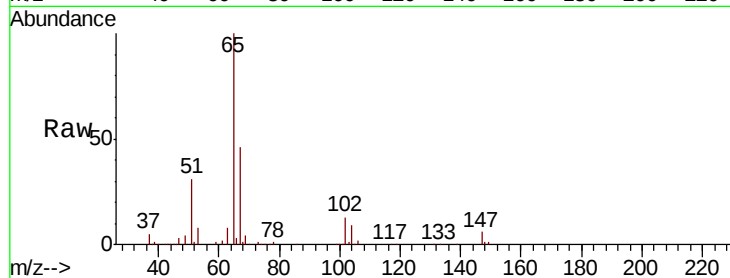




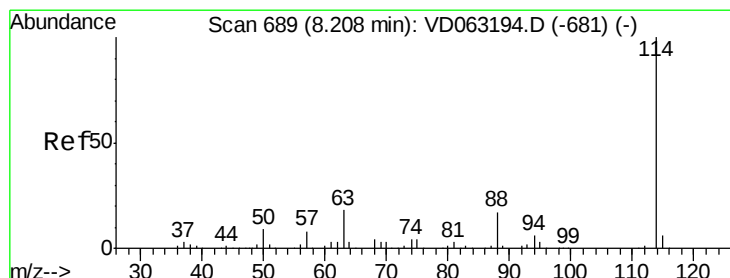
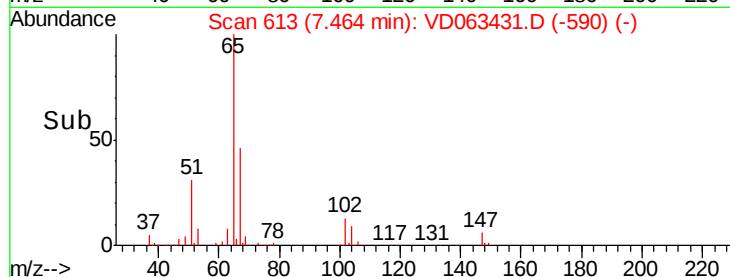
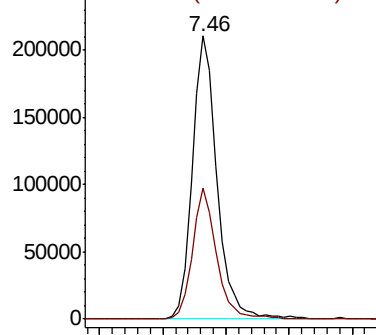
#33
 1,2-Dichloroethane-d4
 Concen: 49.336 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063431.D
 Acq: 8 Aug 2019 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBL01

Tgt Ion: 65 Resp: 570926
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 85.8

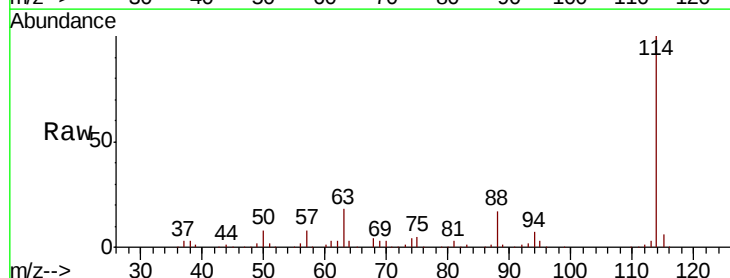


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

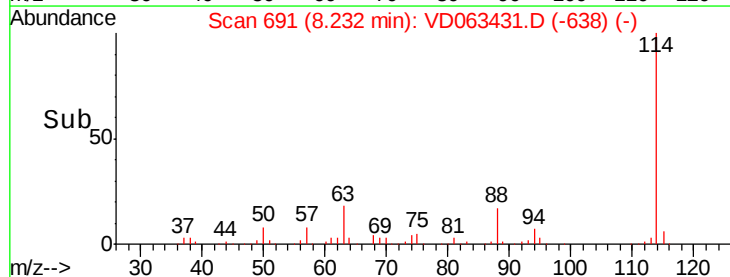
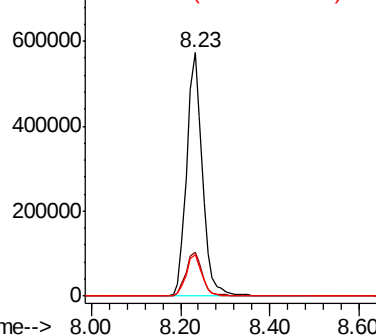


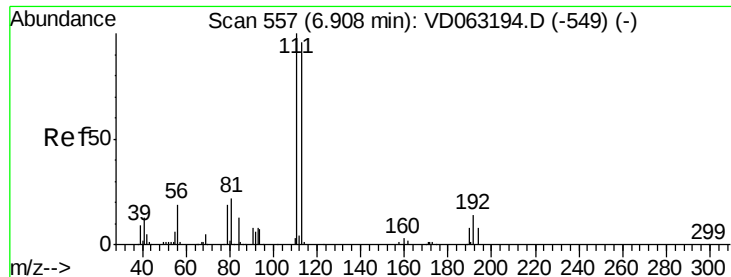
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063431.D
 Acq: 8 Aug 2019 11:51

Tgt Ion: 114 Resp: 1400732
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 17.2 0.0 34.6



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





#35

Dibromofluoromethane

Concen: 55.869 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL01

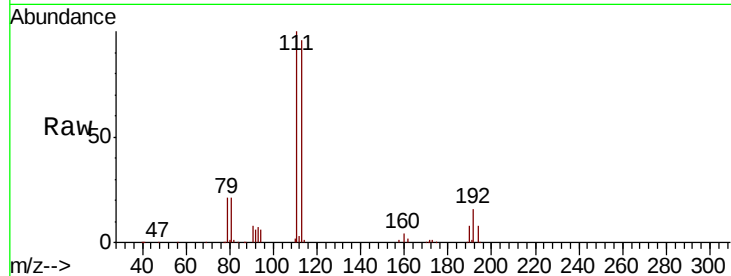
Tgt Ion:113 Resp: 668155

Ion Ratio Lower Upper

113 100

111 104.4 83.2 124.8

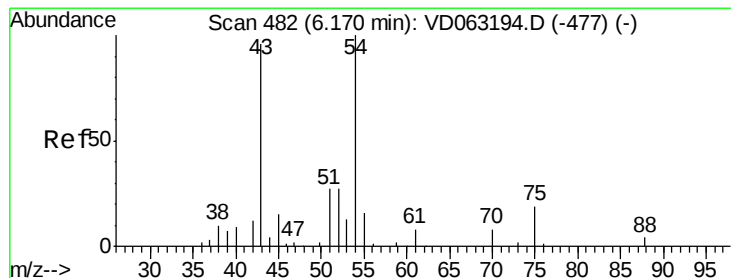
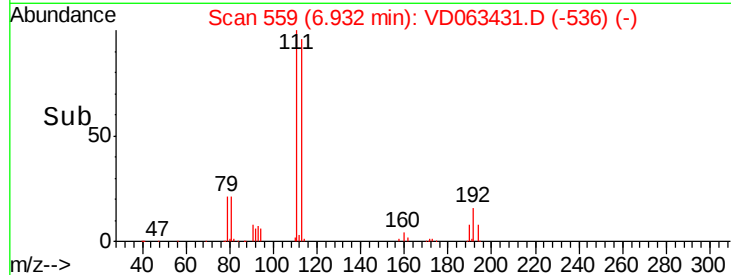
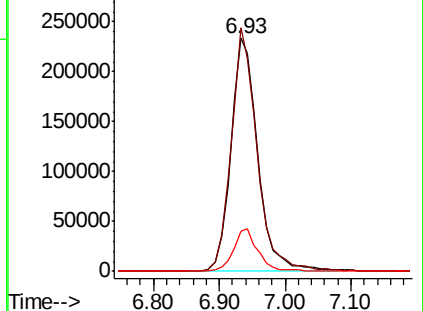
192 17.2 11.8 17.8



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



#37

Ethyl Acetate

Concen: 1.641 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

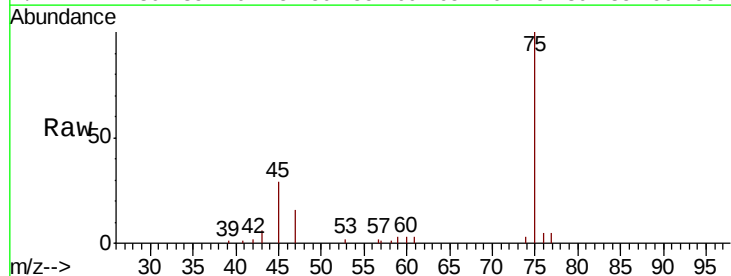
Tgt Ion: 43 Resp: 9425

Ion Ratio Lower Upper

43 100

61 46.9 11.3 16.9#

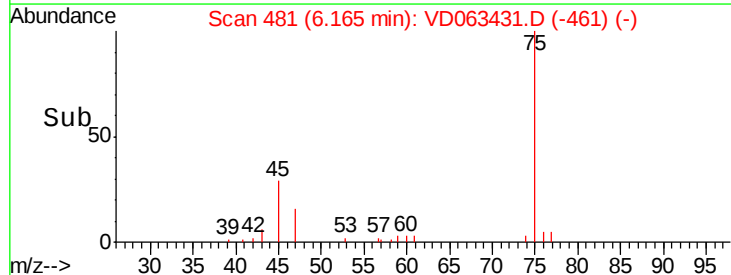
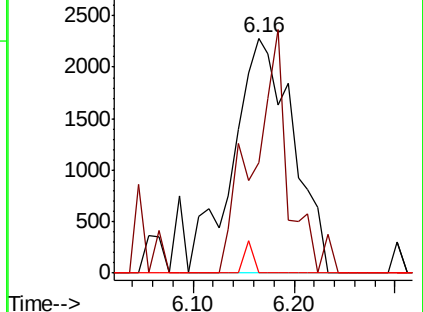
70 0.0 5.1 7.7#

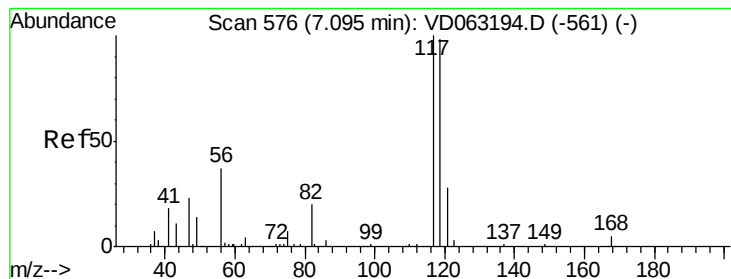


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.438 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL01

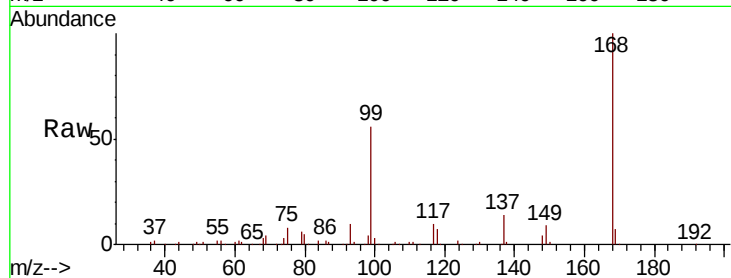
Tgt Ion:117 Resp: 104660

Ion Ratio Lower Upper

117 100

119 3.3 78.2 117.2#

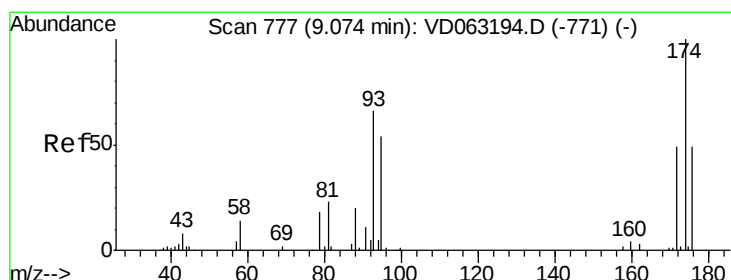
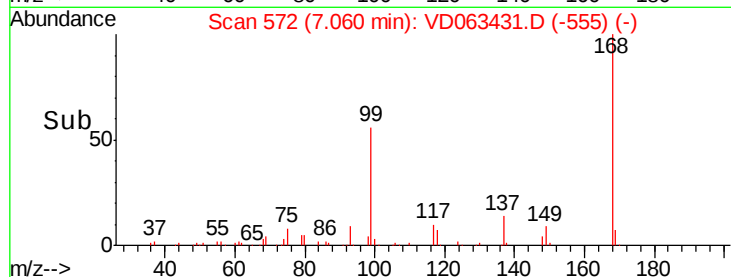
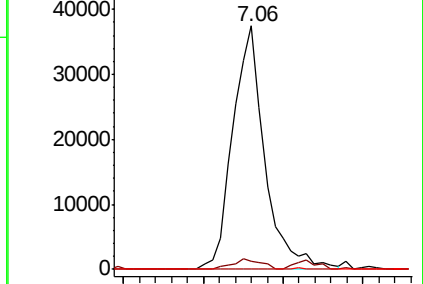
121 0.0 22.1 33.1#



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



#49

1,4-Dioxane

Concen: 7.600 ug/l

RT: 8.66 min Scan# 734

Delta R.T. -0.42 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

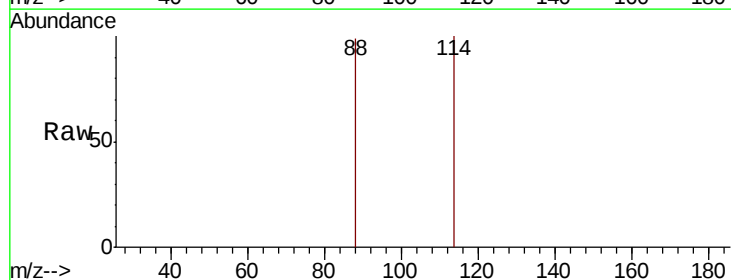
Tgt Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 0.0 30.7 46.1#

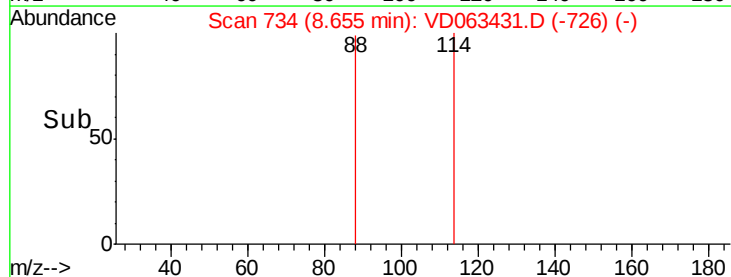
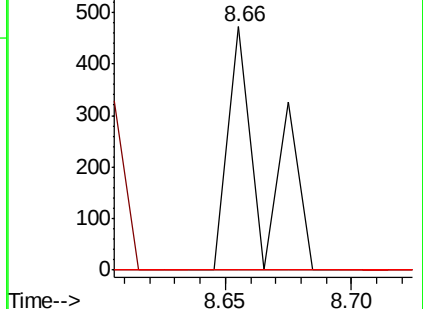
58 0.0 56.5 84.7#

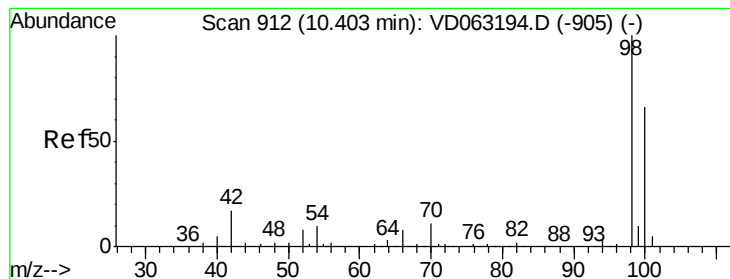


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 54.305 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

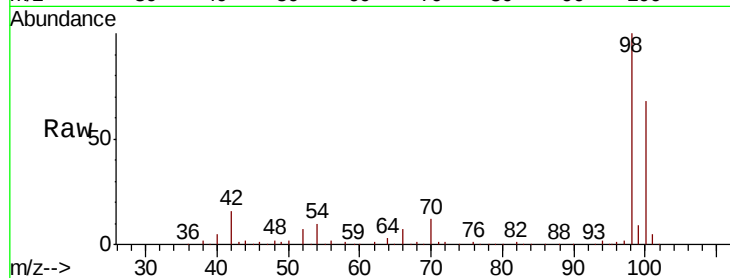
VD0808SBL01

Tgt Ion: 98 Resp: 1453472

Ion Ratio Lower Upper

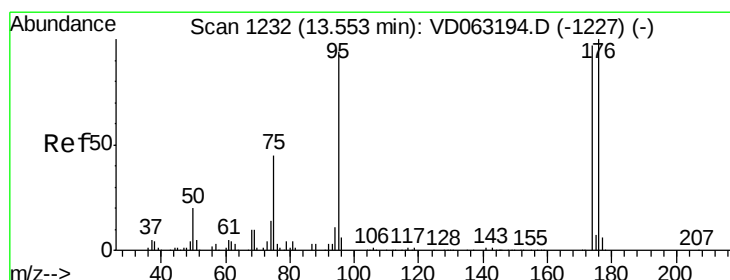
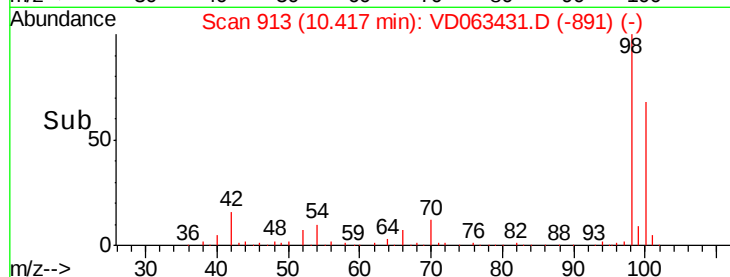
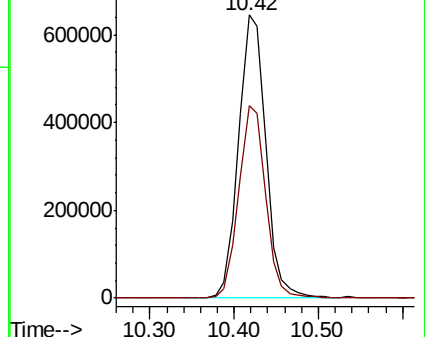
98 100

100 68.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)



#62

4-Bromofluorobenzene

Concen: 49.172 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

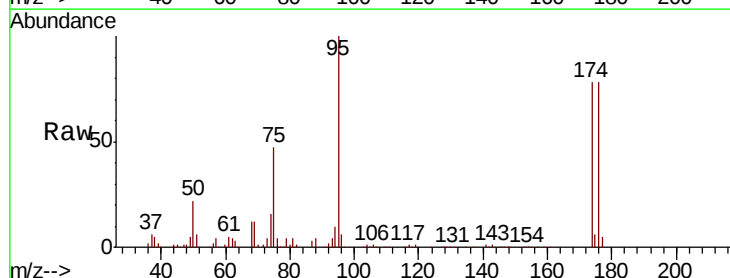
Tgt Ion: 95 Resp: 599733

Ion Ratio Lower Upper

95 100

174 78.0 0.0 205.4

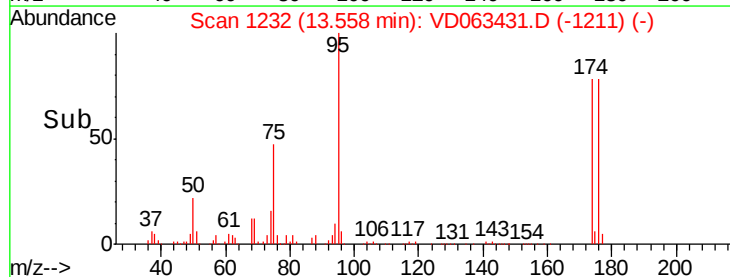
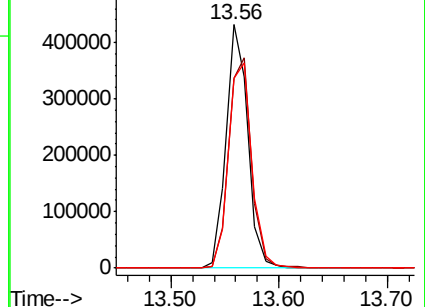
176 77.9 0.0 211.8

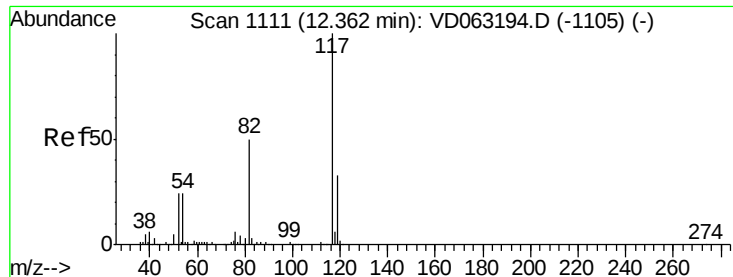


Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

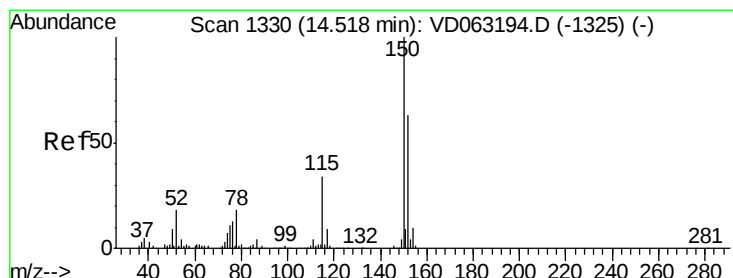
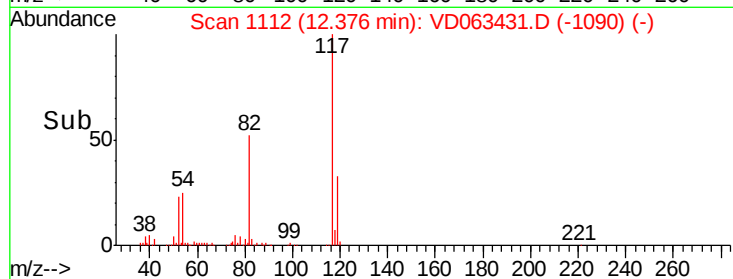
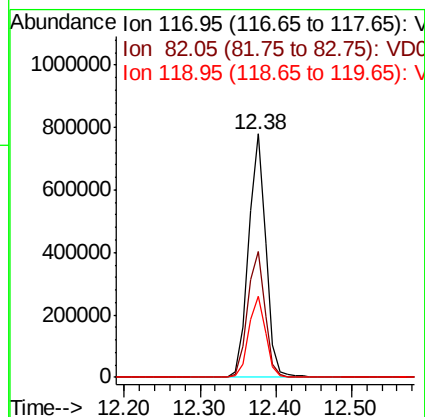
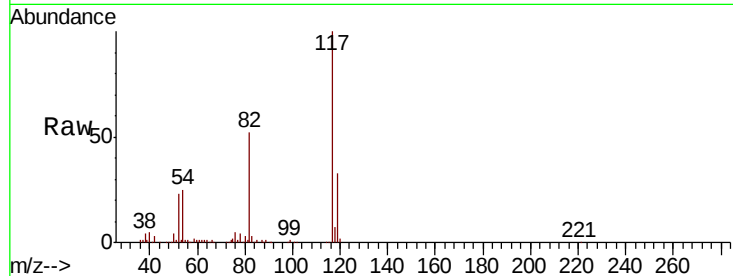




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063431.D
Acq: 8 Aug 2019 11:51

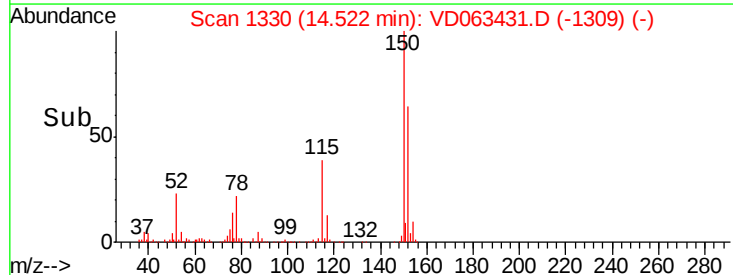
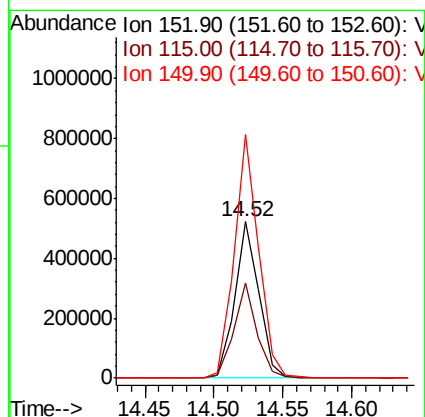
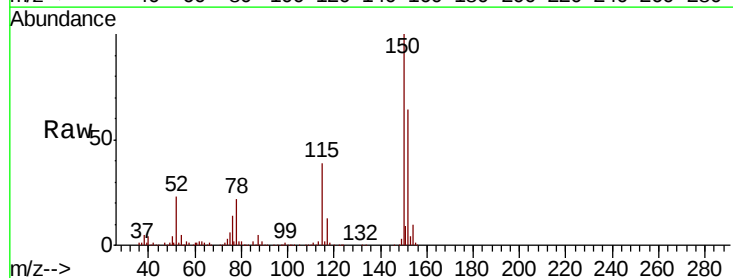
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL01

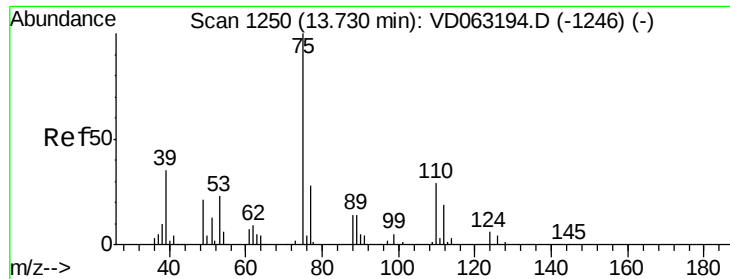
Tgt Ion:117 Resp: 1225305
Ion Ratio Lower Upper
117 100
82 51.7 40.1 60.1
119 33.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063431.D
Acq: 8 Aug 2019 11:51

Tgt Ion:152 Resp: 639561
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.4
150 155.9 0.0 320.6





#76

1,2,3-Trichloropropane

Concen: 28.898 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

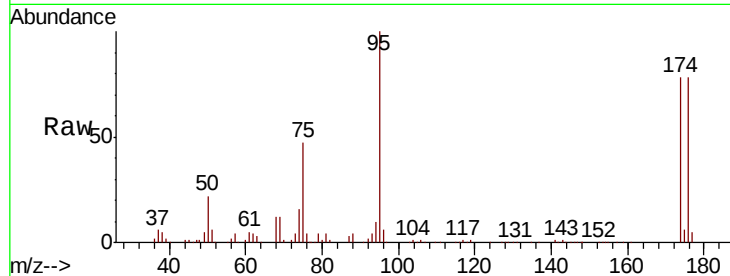
VD0808SBL01

Tgt Ion: 75 Resp: 221993

Ion Ratio Lower Upper

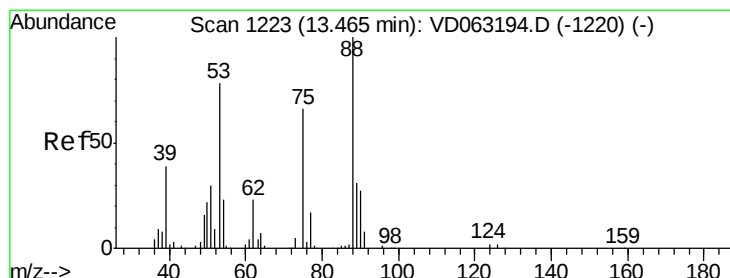
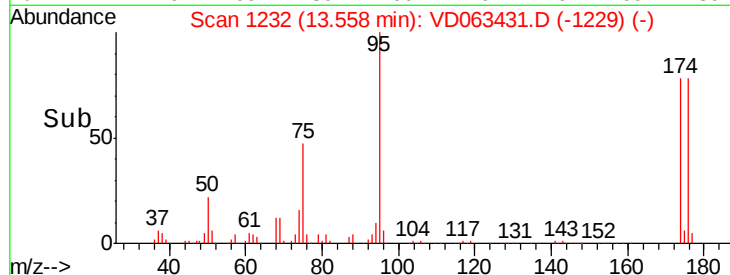
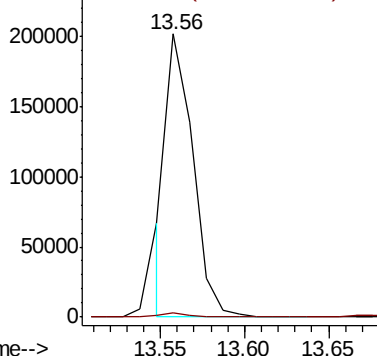
75 100

77 1.6 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 124.279 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

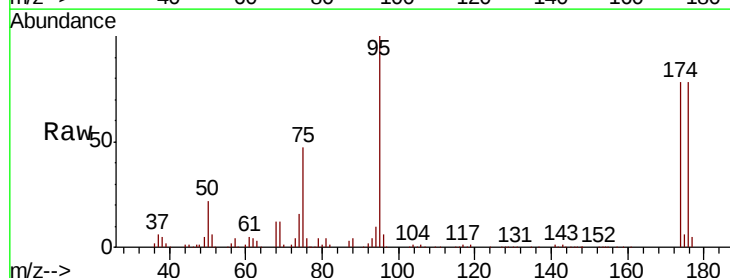
Tgt Ion: 75 Resp: 265102

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

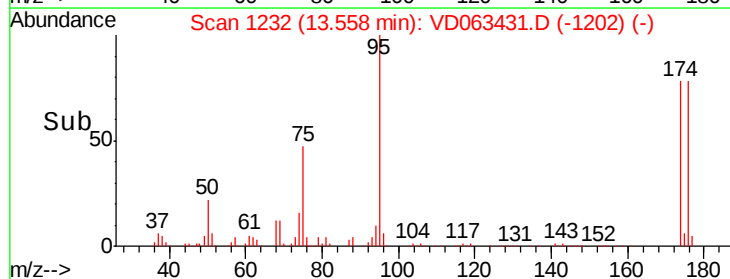
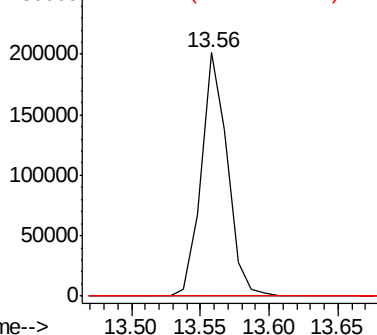
89 0.0 37.4 56.0#

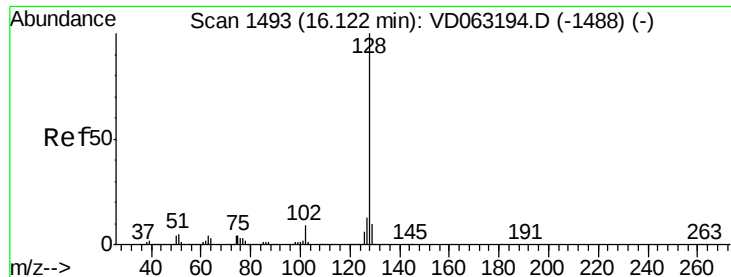


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.083 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL01

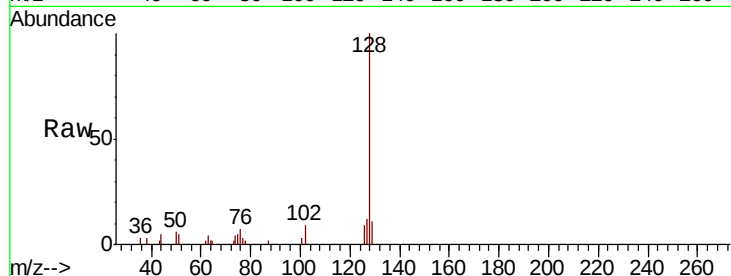
Tgt Ion:128 Resp: 21418

Ion Ratio Lower Upper

128 100

127 11.7 10.2 15.4

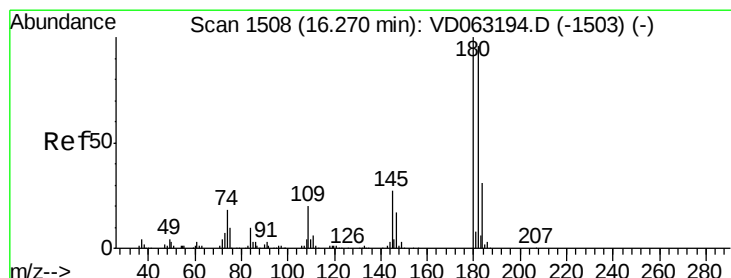
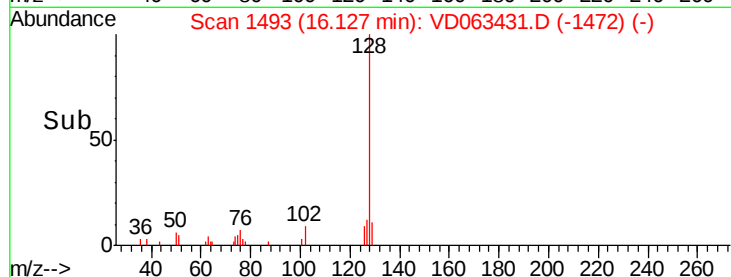
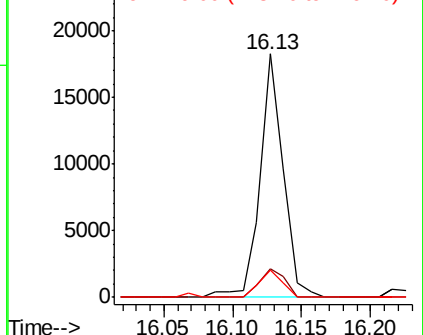
129 11.2 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.229 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063431.D

Acq: 8 Aug 2019 11:51

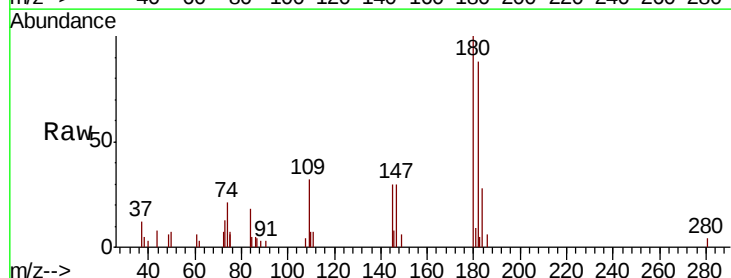
Tgt Ion:180 Resp: 13594

Ion Ratio Lower Upper

180 100

182 88.2 48.3 144.9

145 30.4 13.6 40.7



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

