

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063699.D
 Acq On : 20 Aug 2019 23:14
 Operator : JC/SY
 Sample : VD0820SBL02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBL02

Quant Time: Aug 21 03:54:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	896045	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1228927	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1058190	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	543646	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	516112	53.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	107.76%	
35) Dibromofluoromethane	6.91	113	574600	55.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	111.04%	
50) Toluene-d8	10.40	98	1223312	53.76	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.52%	
62) 4-Bromofluorobenzene	13.55	95	531066	51.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.98%	

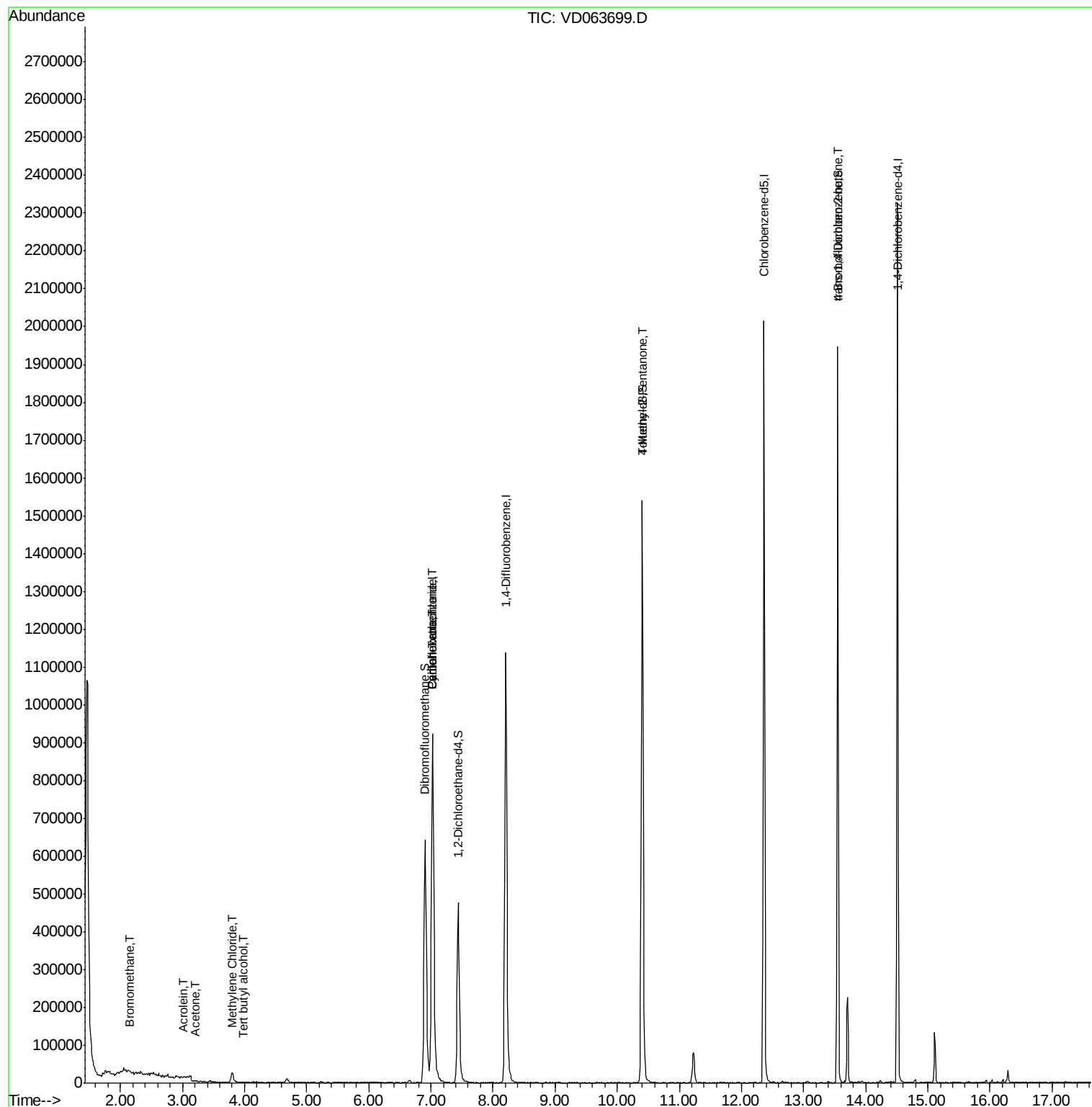
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	5313	1.339	ug/l #	11
11) Tert butyl alcohol	3.98	59	438	1.050	ug/l #	71
13) Acrolein	3.02	56	822	2.003	ug/l #	49
16) Acetone	3.21	43	3101	1.593	ug/l #	65
20) Methylene Chloride	3.81	84	14843	1.763	ug/l #	84
31) Cyclohexane	7.03	56	18361	2.123	ug/l #	1
38) Carbon Tetrachloride	7.03	117	89164	5.446	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	8446	2.024	ug/l #	5
81) trans-1,4-Dichloro-2-buten	13.55	75	240325	143.311	ug/l #	1

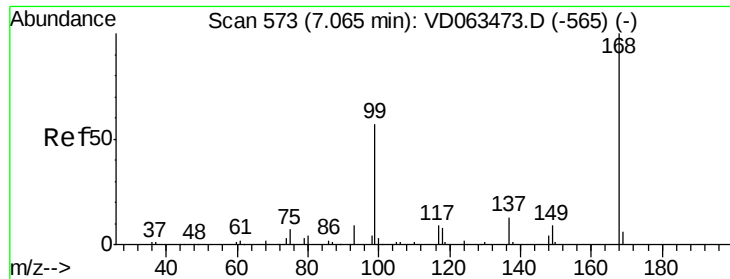
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

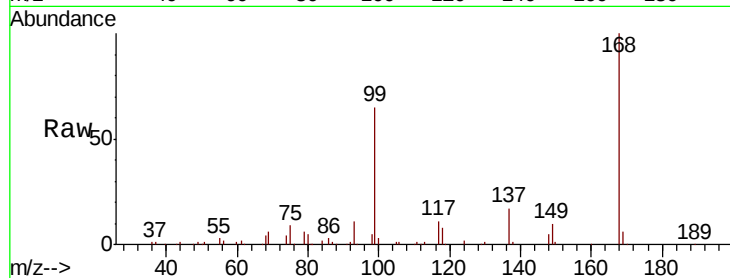
VD0820SBL02

Tgt Ion:168 Resp: 896045

Ion Ratio Lower Upper

168 100

99 65.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

200000

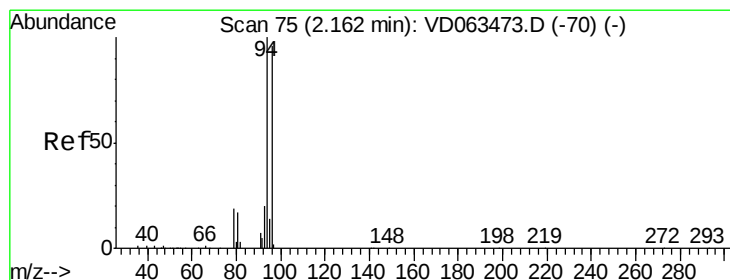
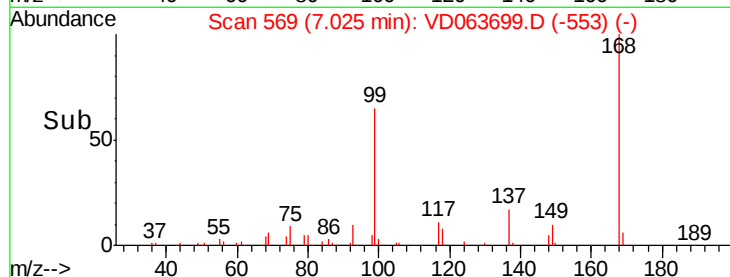
100000

0

Time-->

7.00

7.20



#5

Bromomethane

Concen: 1.339 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

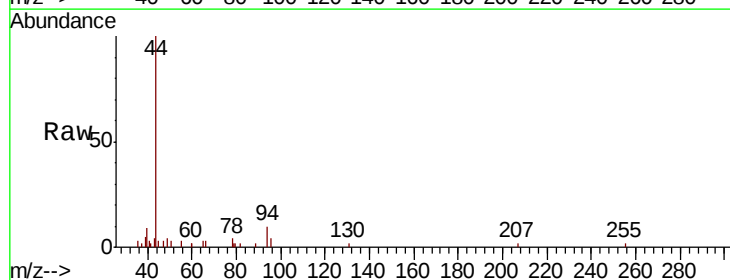
Tgt Ion: 94 Resp: 5313

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



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

2000

1500

1000

500

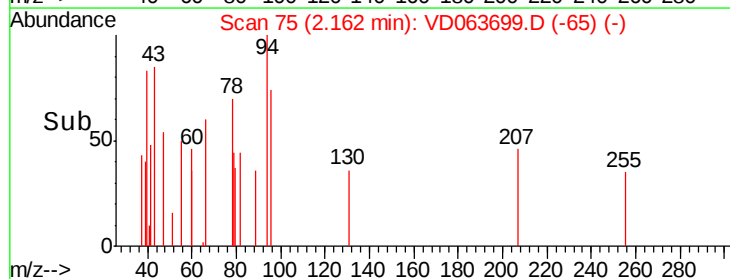
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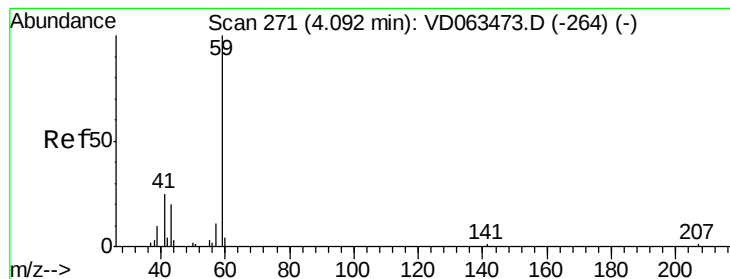
Time-->

2.10

2.15

2.20





#11

Tert butyl alcohol

Concen: 1.050 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.11 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

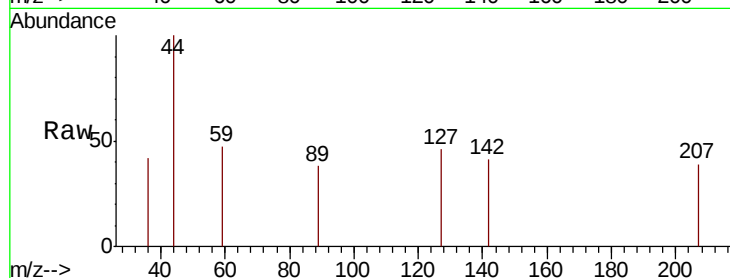
VD0820SBL02

Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.98

400

300

200

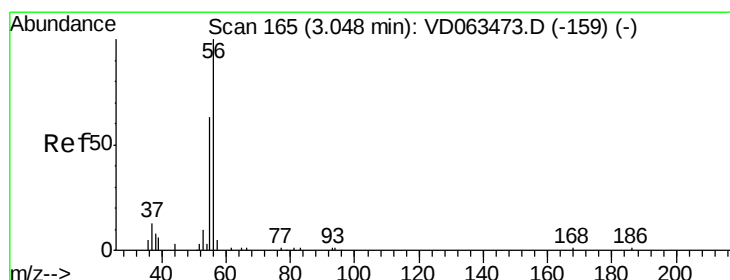
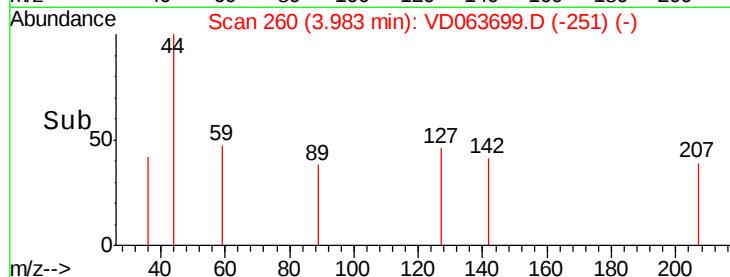
100

0

3.95

4.00

Time-->



#13

Acrolein

Concen: 2.003 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063699.D

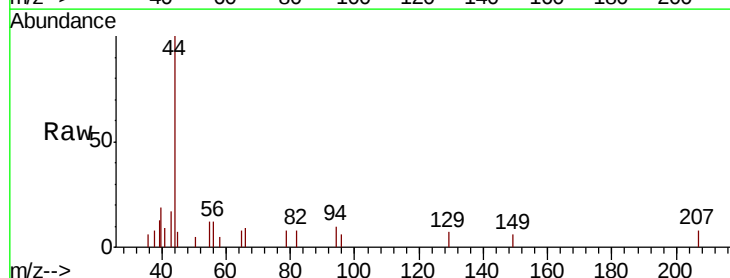
Acq: 20 Aug 2019 23:14

Tgt Ion: 56 Resp: 822

Ion Ratio Lower Upper

56 100

55 104.2 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

400

200

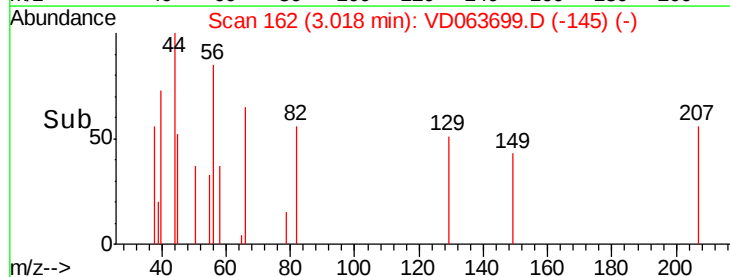
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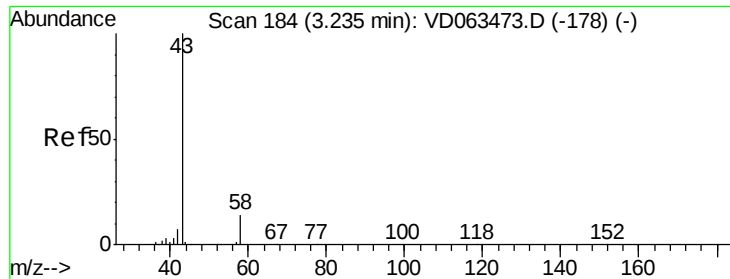
2.95

3.00

3.05

Time-->

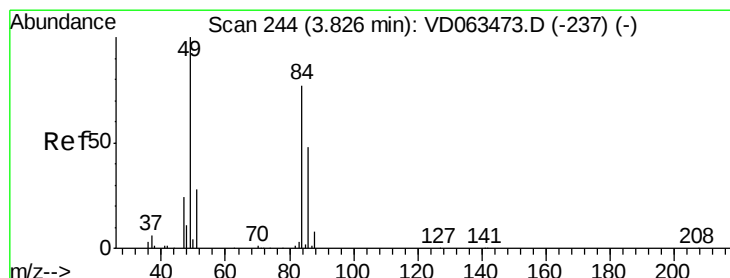
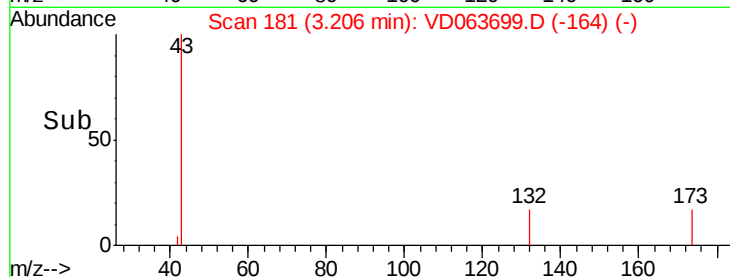
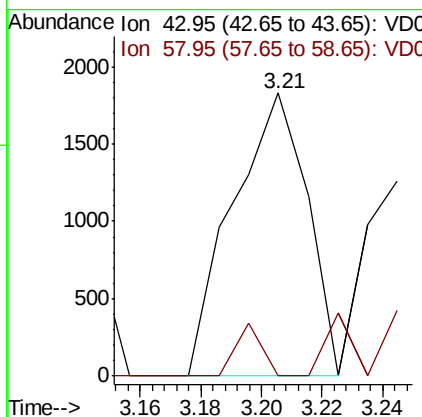
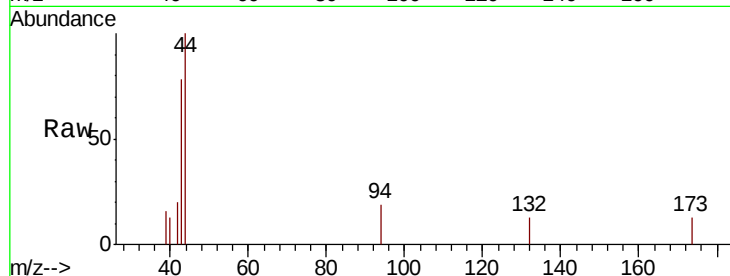




#16
Acetone
Concen: 1.593 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063699.D
Acq: 20 Aug 2019 23:14

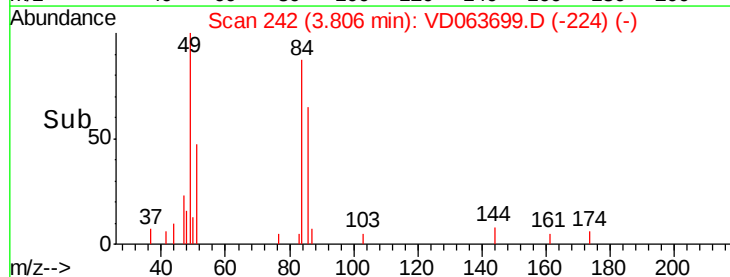
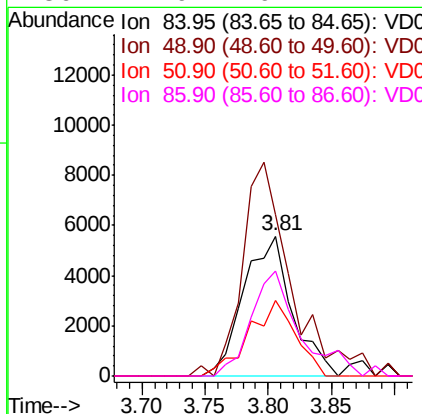
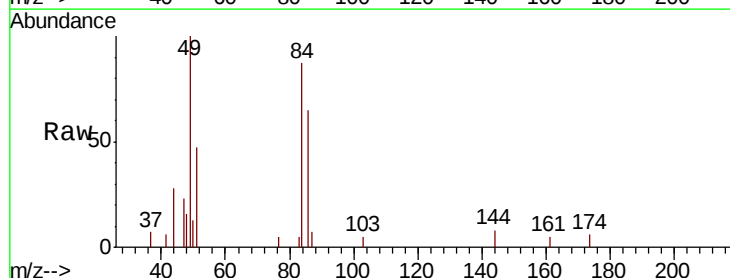
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBL02

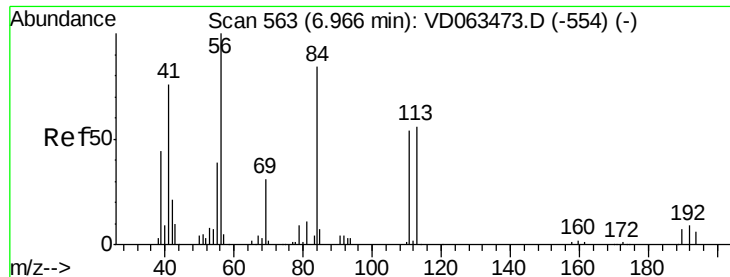
Tgt Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
58 0.0 11.4 17.2#



#20
Methylene Chloride
Concen: 1.763 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063699.D
Acq: 20 Aug 2019 23:14

Tgt Ion: 84 Resp: 14843
Ion Ratio Lower Upper
84 100
49 115.4 103.4 155.2
51 53.8 28.5 42.7#
86 74.9 49.4 74.2#

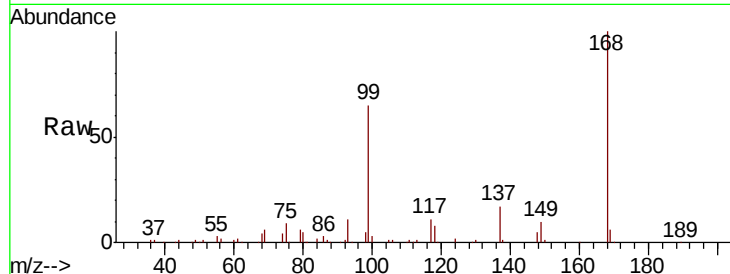




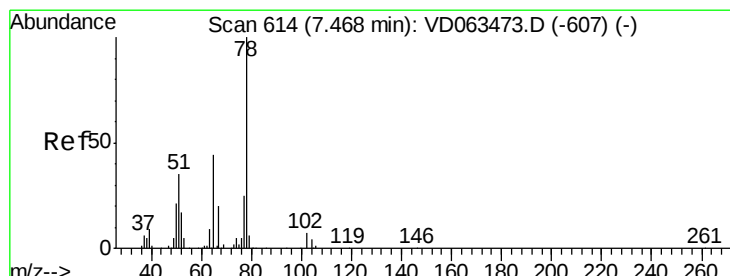
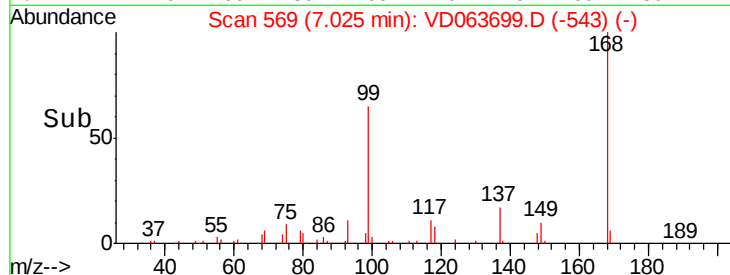
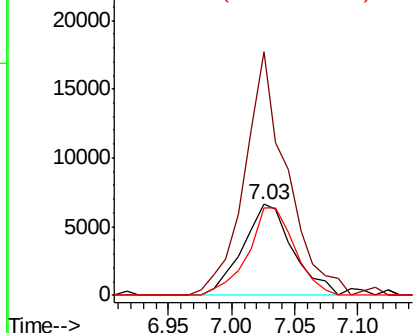
#31
Cyclohexane
Concen: 2.123 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063699.D
Acq: 20 Aug 2019 23:14

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBL02

Tgt Ion: 56 Resp: 18361
Ion Ratio Lower Upper
56 100
69 266.8 25.0 37.6#
84 96.3 69.7 104.5

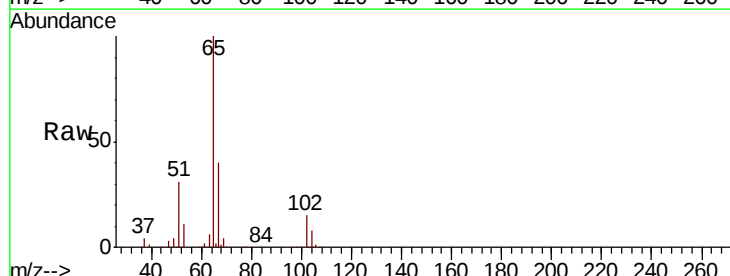


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

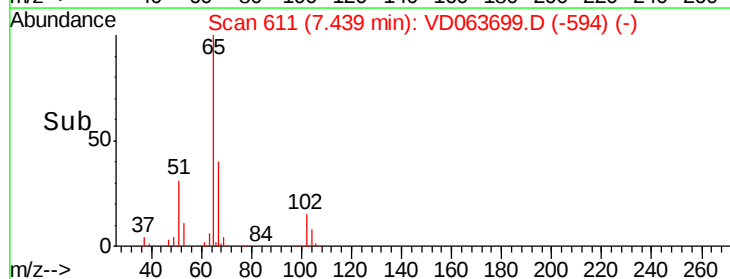
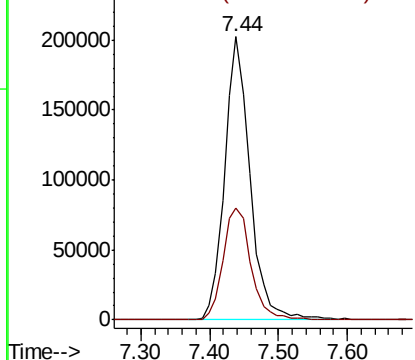


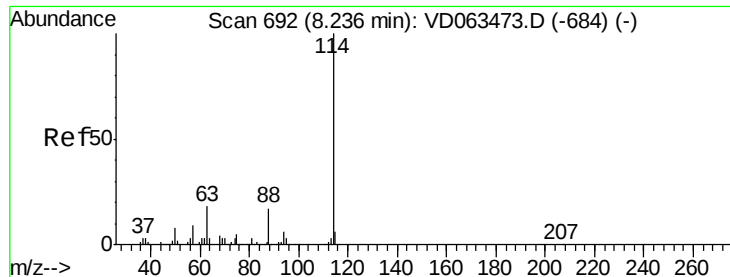
#33
1,2-Dichloroethane-d4
Concen: 53.885 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063699.D
Acq: 20 Aug 2019 23:14

Tgt Ion: 65 Resp: 516112
Ion Ratio Lower Upper
65 100
67 39.5 0.0 89.2



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: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBL02

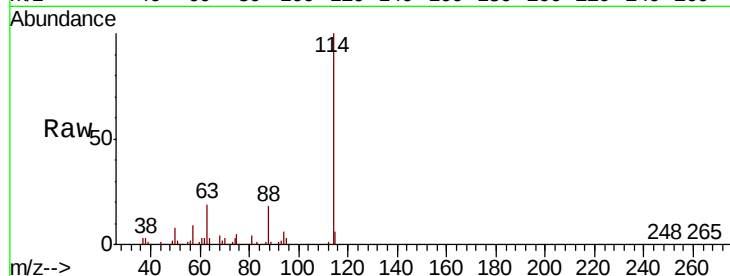
Tgt Ion:114 Resp: 1228927

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

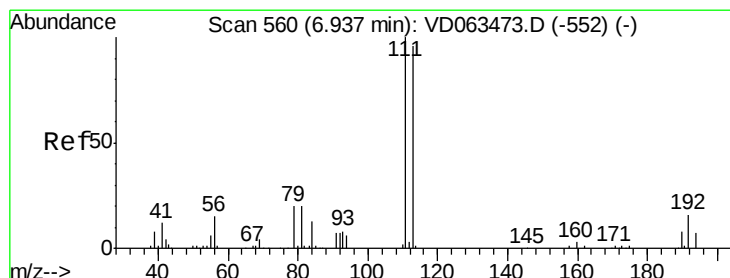
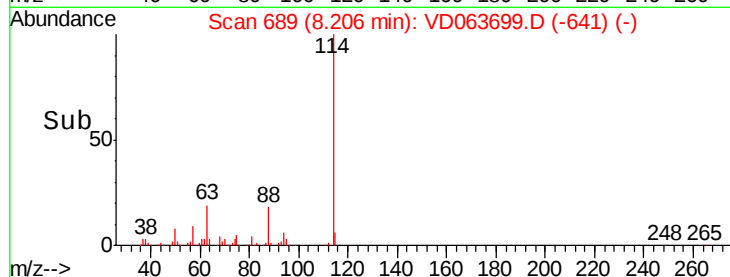
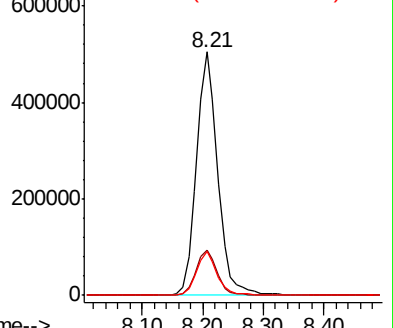
88 17.8 0.0 35.0



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: 55.516 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

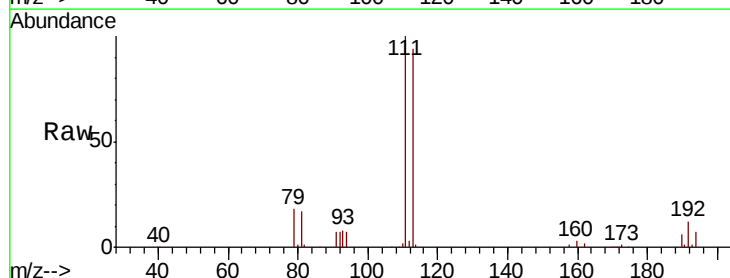
Tgt Ion:113 Resp: 574600

Ion Ratio Lower Upper

113 100

111 106.4 83.1 124.7

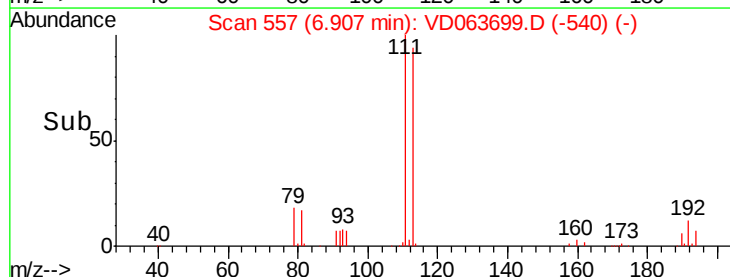
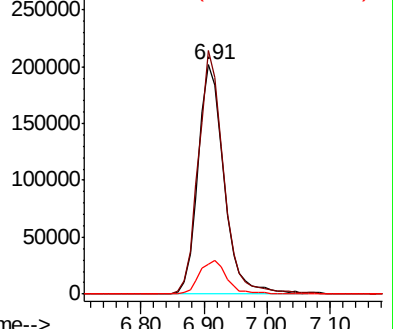
192 13.3 13.1 19.7

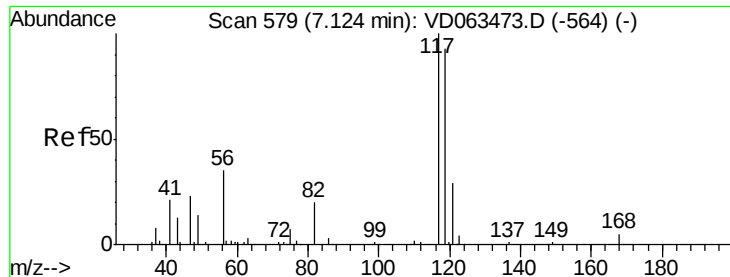


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#38

Carbon Tetrachloride

Concen: 5.446 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBL02

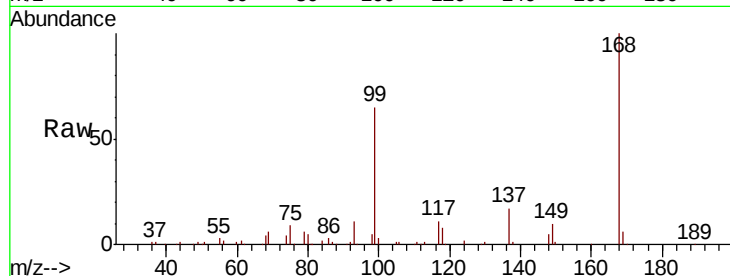
Tgt Ion:117 Resp: 89164

Ion Ratio Lower Upper

117 100

119 3.2 74.2 111.2#

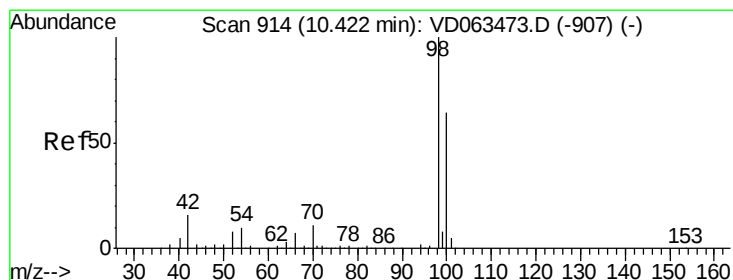
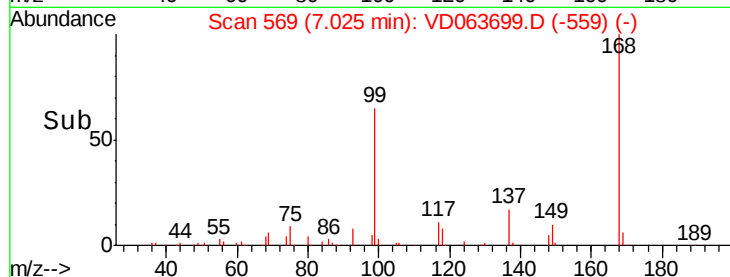
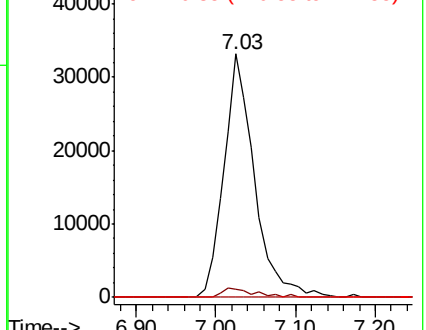
121 0.0 23.1 34.7#



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



#50

Toluene-d8

Concen: 53.760 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063699.D

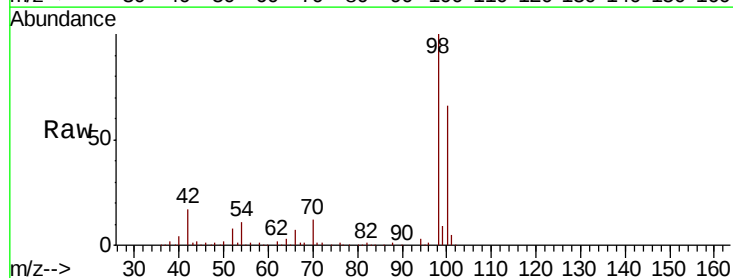
Acq: 20 Aug 2019 23:14

Tgt Ion: 98 Resp: 1223312

Ion Ratio Lower Upper

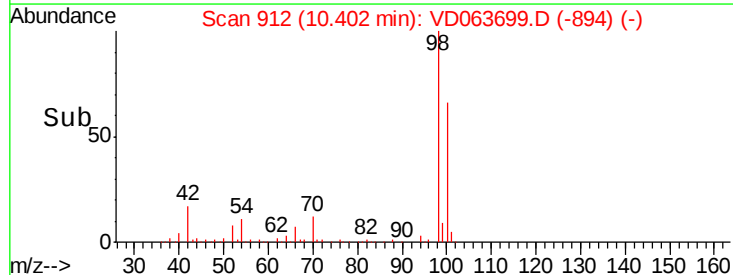
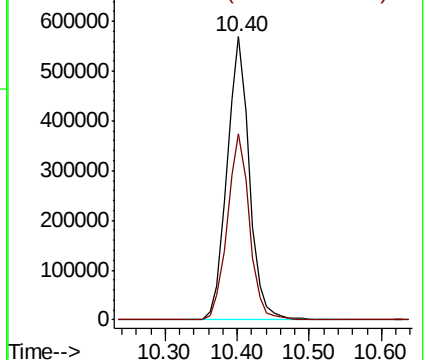
98 100

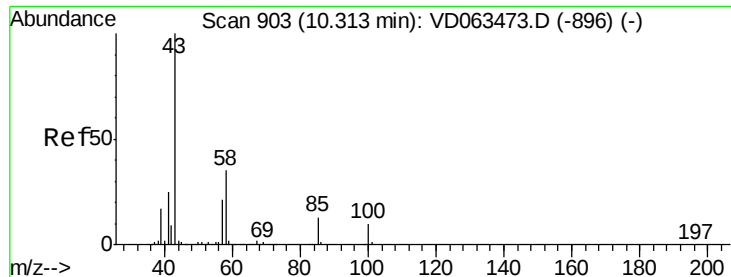
100 65.8 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

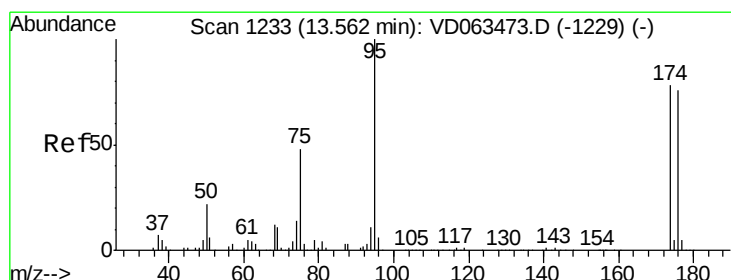
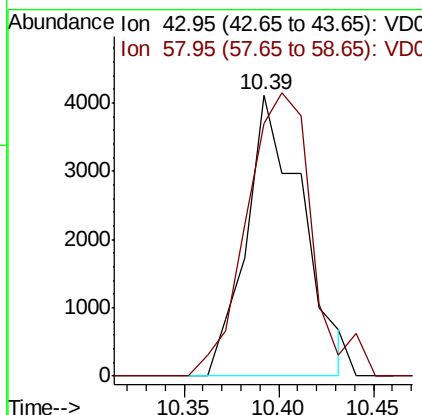
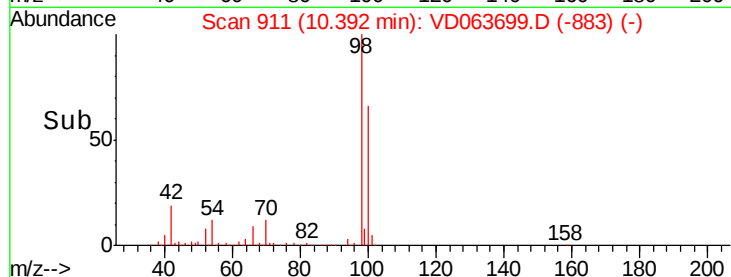
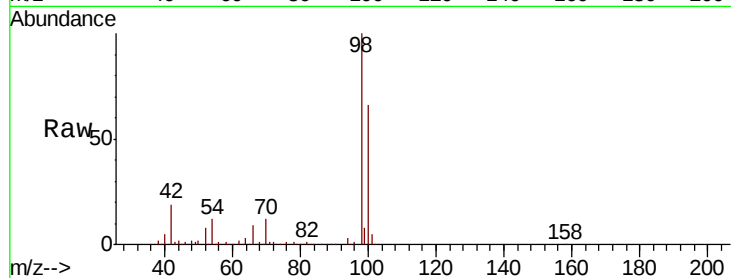




#51
 4-Methyl-2-Pentanone
 Concen: 2.024 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. 0.08 min
 Lab File: VD063699.D
 Acq: 20 Aug 2019 23:14

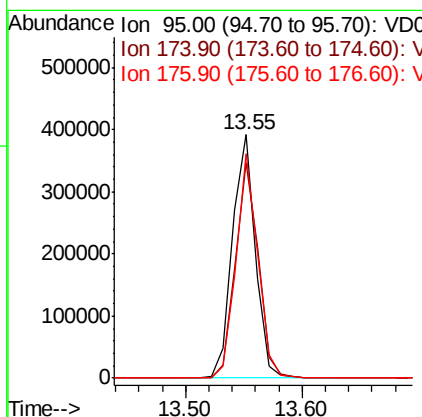
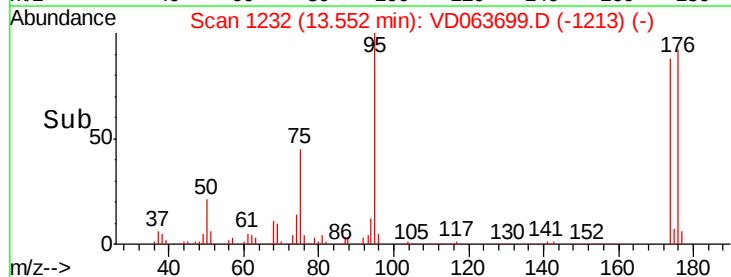
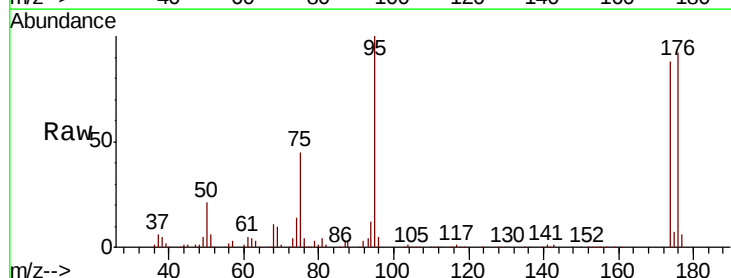
Instrument :
 MSVOA_D
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 VD0820SBL02

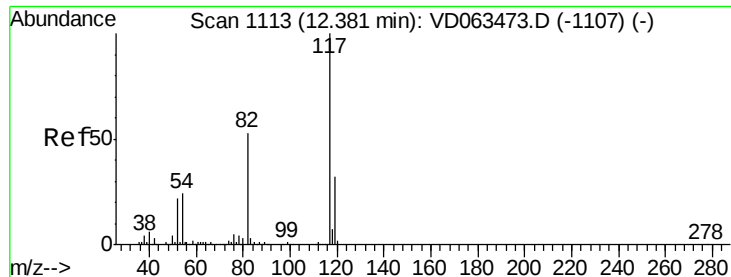
Tgt Ion: 43 Resp: 8446
 Ion Ratio Lower Upper
 43 100
 58 90.0 28.0 42.0#



#62
 4-Bromofluorobenzene
 Concen: 51.492 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063699.D
 Acq: 20 Aug 2019 23:14

Tgt Ion: 95 Resp: 531066
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 155.4
 176 92.2 0.0 152.4

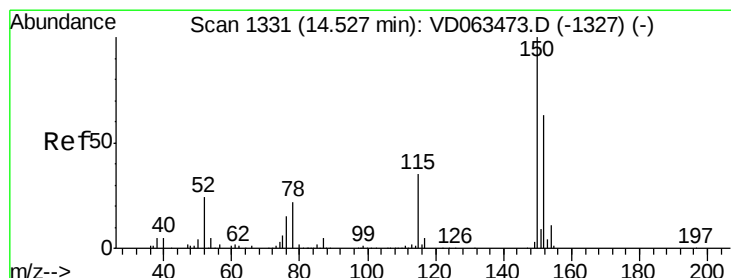
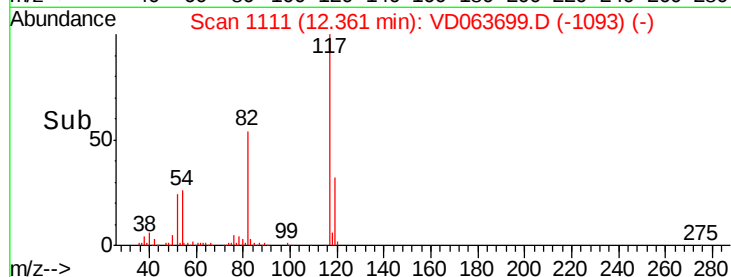
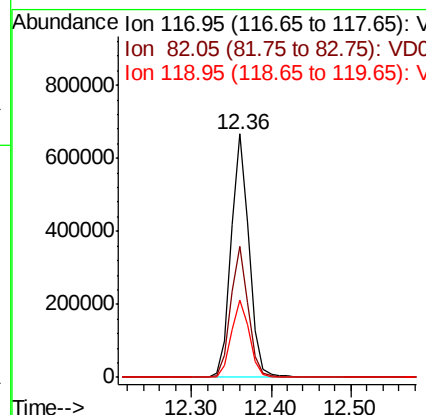
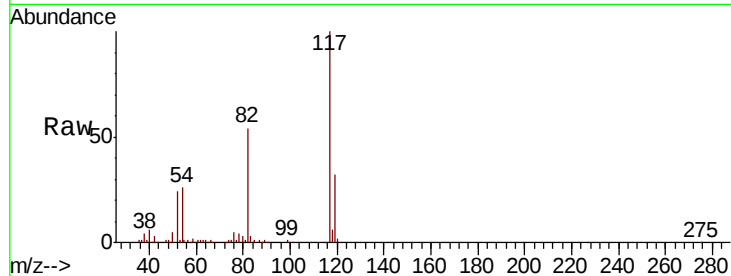




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063699.D
Acq: 20 Aug 2019 23:14

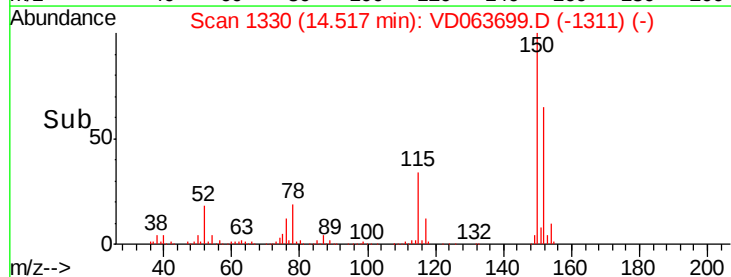
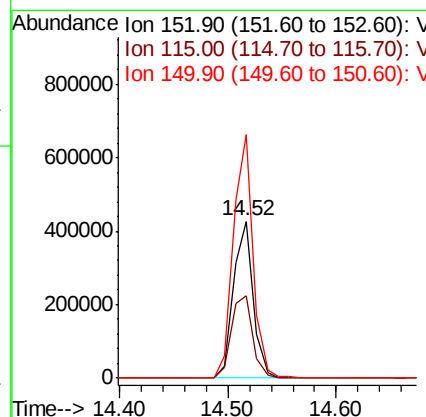
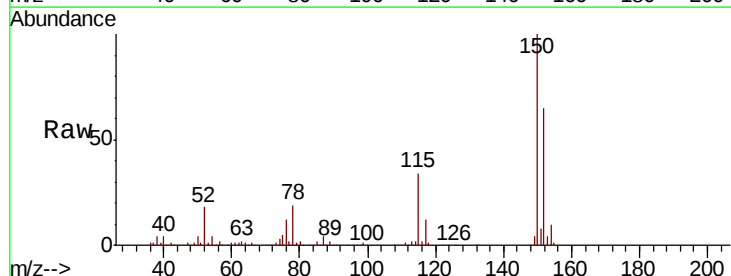
Instrument :
MSVOA_D
ClientSampleId :
VD0820SBL02

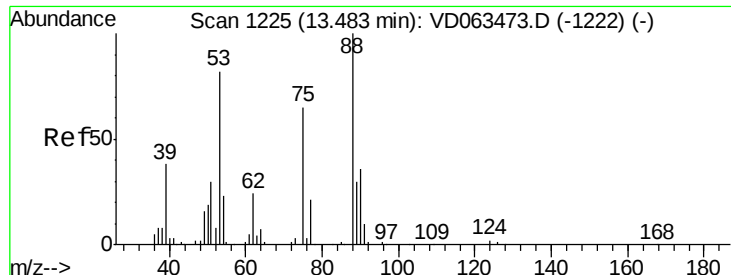
Tgt Ion:117 Resp: 1058190
Ion Ratio Lower Upper
117 100
82 53.9 42.0 63.0
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063699.D
Acq: 20 Aug 2019 23:14

Tgt Ion:152 Resp: 543646
Ion Ratio Lower Upper
152 100
115 52.3 30.9 92.7
150 154.9 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 143.311 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063699.D

Acq: 20 Aug 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBL02

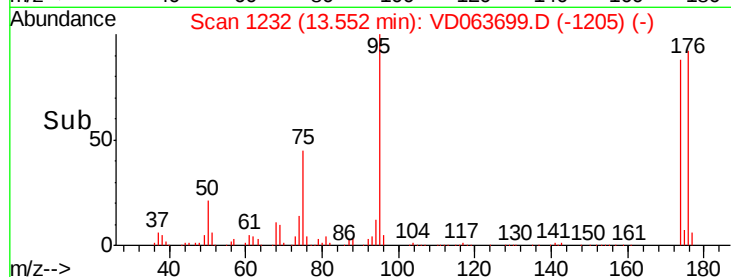
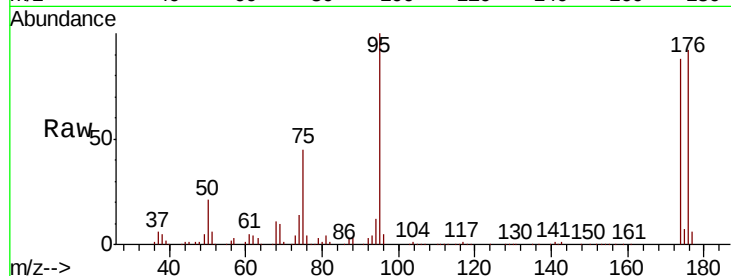
Tgt Ion: 75 Resp: 240325

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

