

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063397.D
 Acq On : 6 Aug 2019 14:24
 Operator : JC/SY
 Sample : K4154-05RE
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-5RE

Quant Time: Aug 07 06:41:58 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	7.05	168	960195	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1266491	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	853428	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	299821	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	460611	43.23	ug/l	0.02
Spiked Amount			Recovery	=	86.46%	
35) Dibromofluoromethane	6.93	113	539529	49.90	ug/l	0.02
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.42	98	1055160	43.60	ug/l	0.01
Spiked Amount			Recovery	=	87.20%	
62) 4-Bromofluorobenzene	13.56	95	339325	30.77	ug/l	0.00
Spiked Amount			Recovery	=	61.54%	

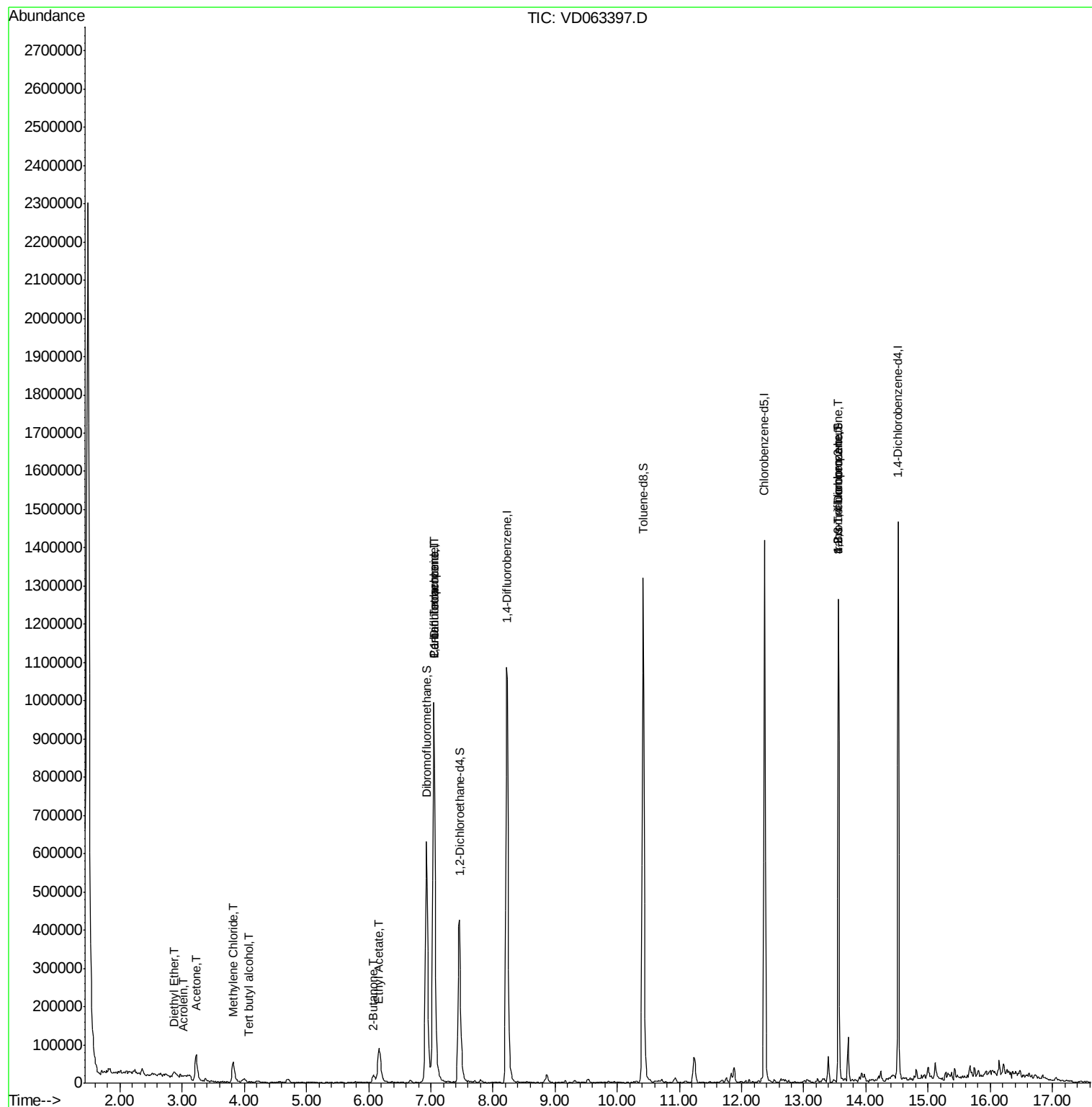
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	6338	2.473	ug/l	97
11) Tert butyl alcohol	4.08	59	603	1.290	ug/l #	69
13) Acrolein	3.02	56	835	1.856	ug/l	91
16) Acetone	3.23	43	133389	64.257	ug/l	97
20) Methylene Chloride	3.81	84	27964	3.333	ug/l #	88
25) 2-Butanone	6.07	43	43588	20.922	ug/l #	83
36) 1,1-Dichloropropene	7.05	75	68974	5.967	ug/l #	54
37) Ethyl Acetate	6.16	43	7726	1.488	ug/l #	1
38) Carbon Tetrachloride	7.05	117	92525	5.317	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	114744	31.862	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	149525	149.526	ug/l #	3

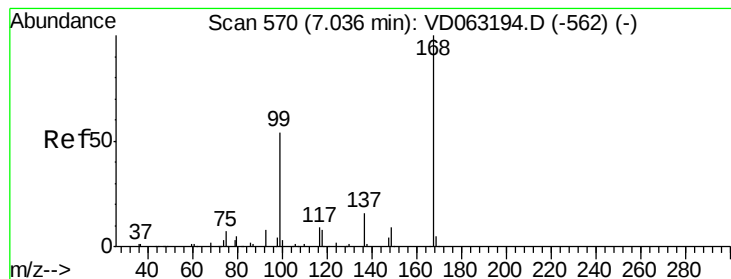
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
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Quant Time: Aug 07 06:41:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

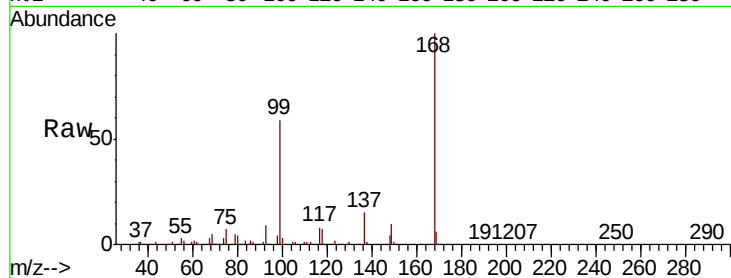
PS-5RE

Tgt Ion:168 Resp: 960195

Ion Ratio Lower Upper

168 100

99 58.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

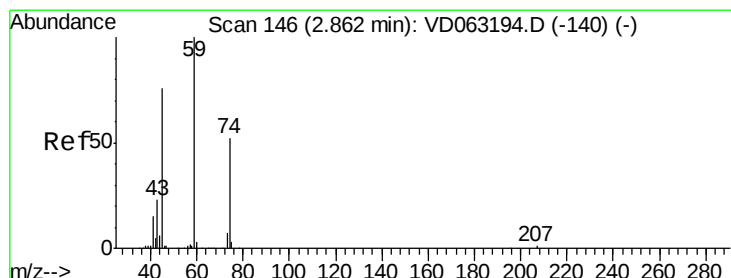
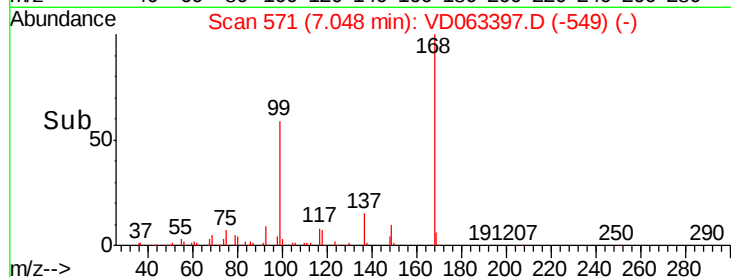
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 2.473 ug/l

RT: 2.86 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063397.D

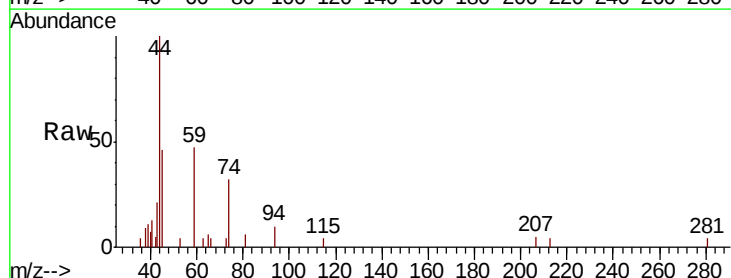
Acq: 6 Aug 2019 14:24

Tgt Ion: 74 Resp: 6338

Ion Ratio Lower Upper

74 100

45 143.0 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

5000

4000

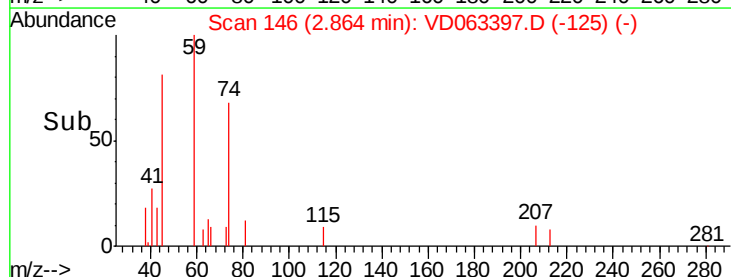
3000

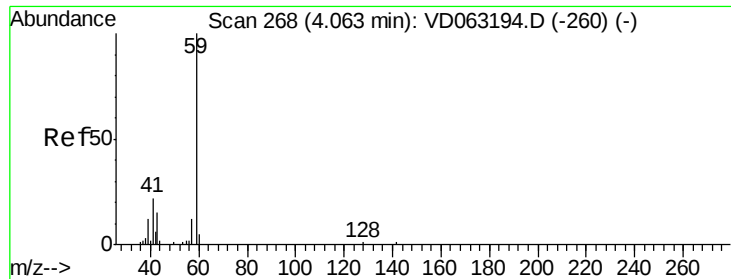
2000

1000

0

Time-->

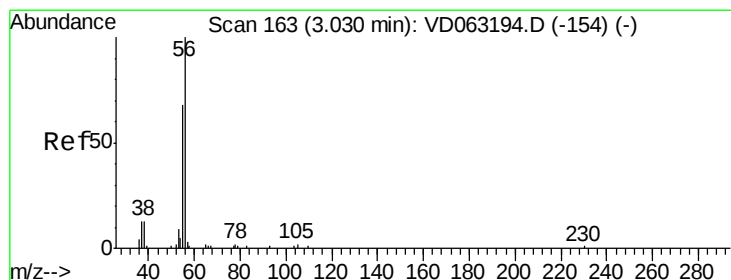
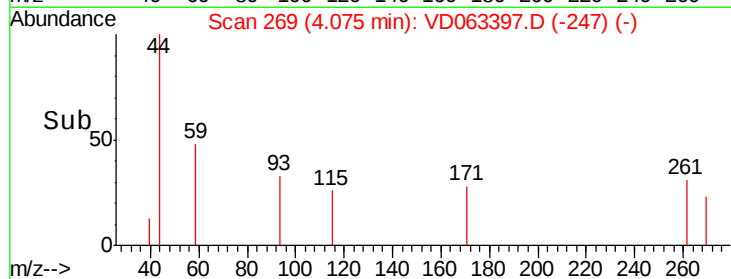
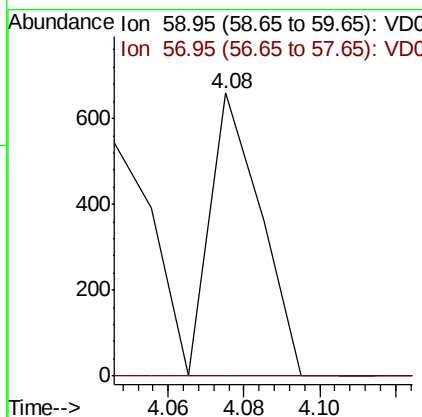
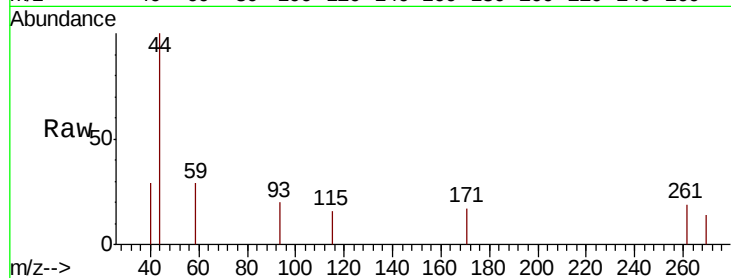




#11
Tert butyl alcohol
Concen: 1.290 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063397.D
Acq: 6 Aug 2019 14:24

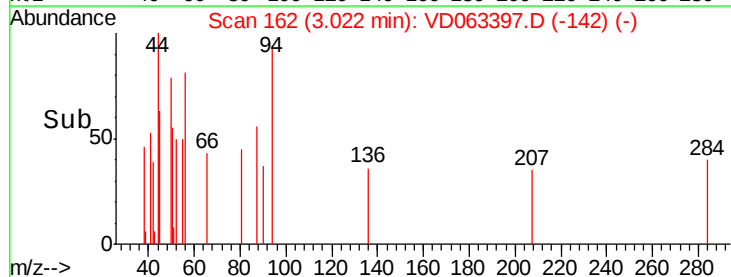
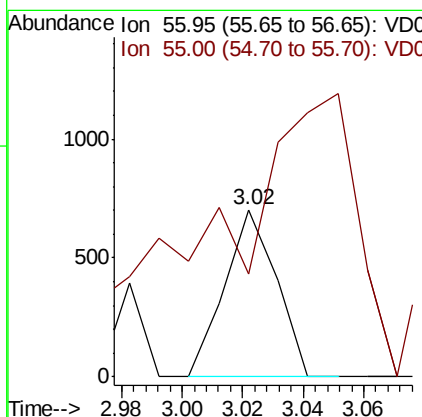
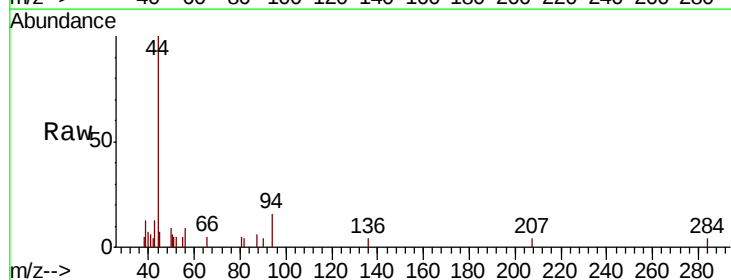
Instrument :
MSVOA_D
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PS-5RE

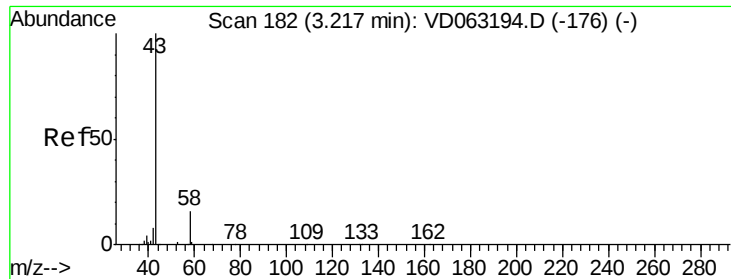
Tgt Ion: 59 Resp: 603
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



#13
Acrolein
Concen: 1.856 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD063397.D
Acq: 6 Aug 2019 14:24

Tgt Ion: 56 Resp: 835
Ion Ratio Lower Upper
56 100
55 61.5 55.3 82.9

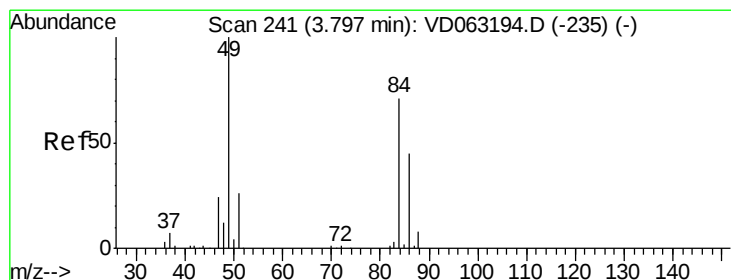
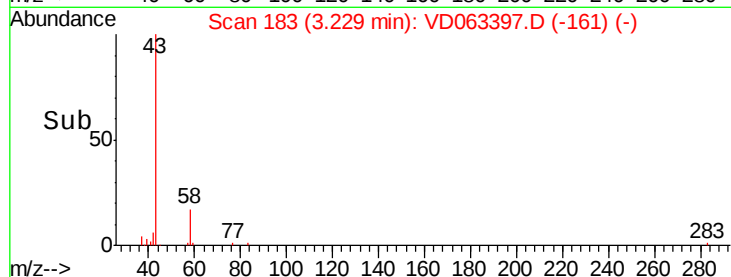
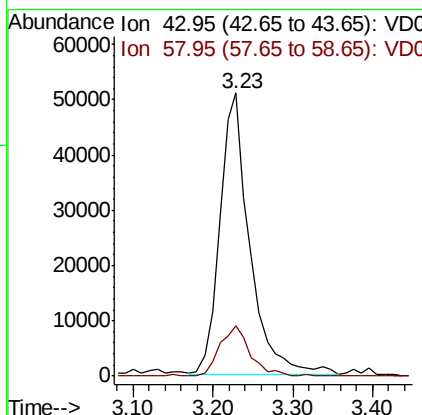
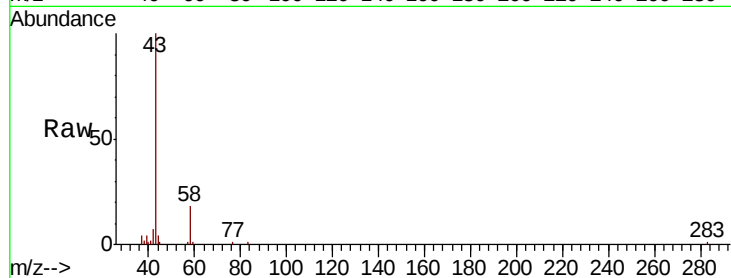




#16
Acetone
Concen: 64.257 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD063397.D
Acq: 6 Aug 2019 14:24

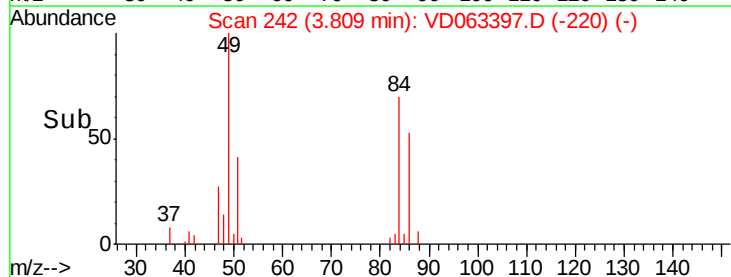
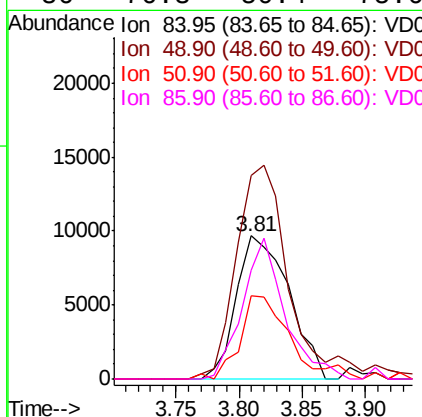
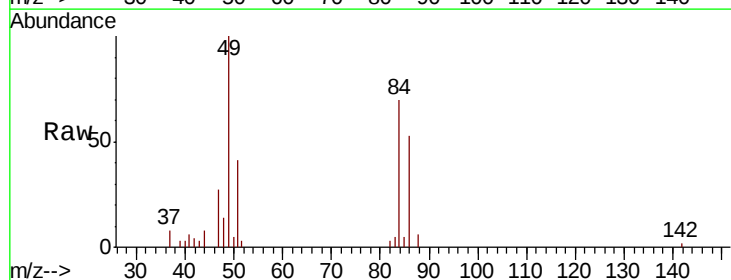
Instrument :
MSVOA_D
ClientSampleId :
PS-5RE

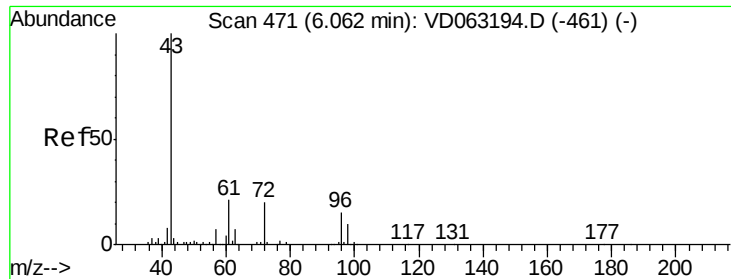
Tgt Ion: 43 Resp: 133389
Ion Ratio Lower Upper
43 100
58 17.7 13.0 19.4



#20
Methylene Chloride
Concen: 3.333 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063397.D
Acq: 6 Aug 2019 14:24

Tgt Ion: 84 Resp: 27964
Ion Ratio Lower Upper
84 100
49 142.6 112.5 168.7
51 61.7 29.6 44.4#
86 76.3 50.4 75.6#





#25

2-Butanone

Concen: 20.922 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

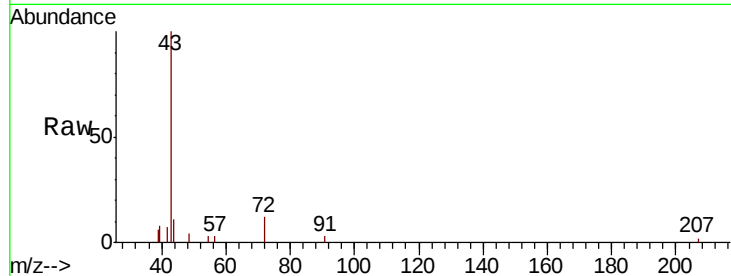
PS-5RE

Tgt Ion: 43 Resp: 43588

Ion Ratio Lower Upper

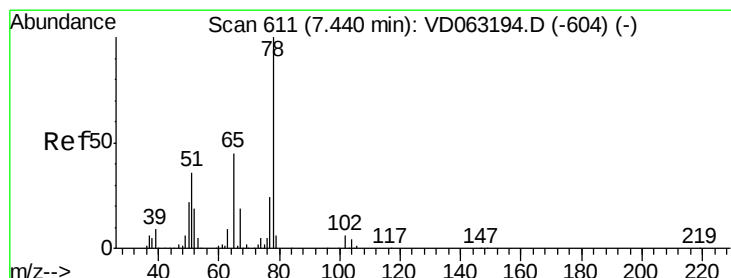
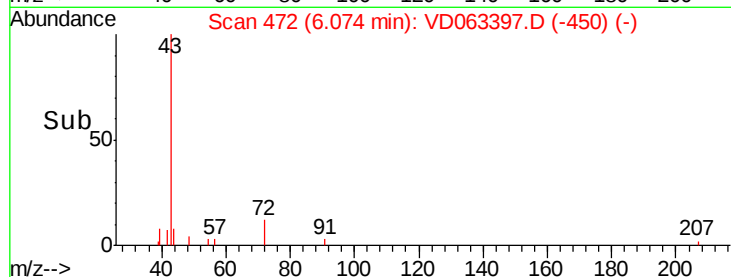
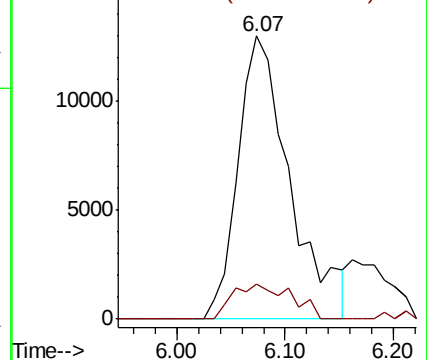
43 100

72 12.3 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 43.232 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063397.D

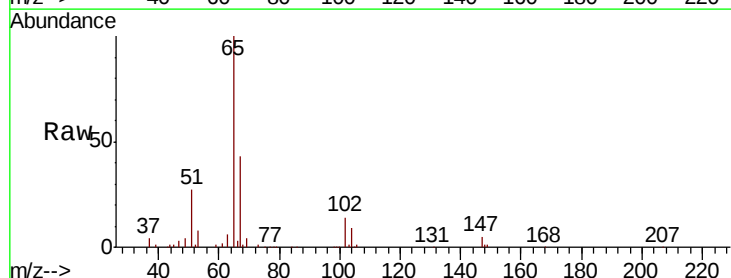
Acq: 6 Aug 2019 14:24

Tgt Ion: 65 Resp: 460611

Ion Ratio Lower Upper

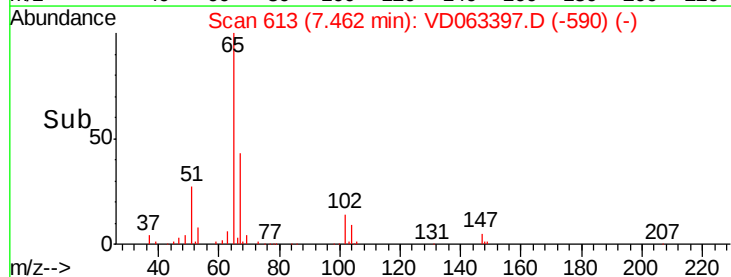
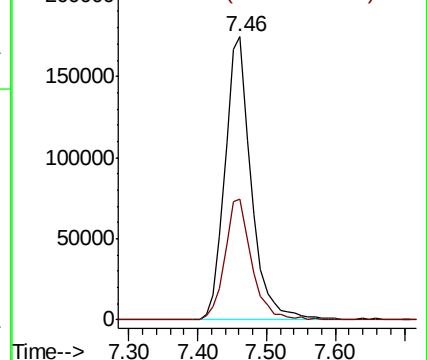
65 100

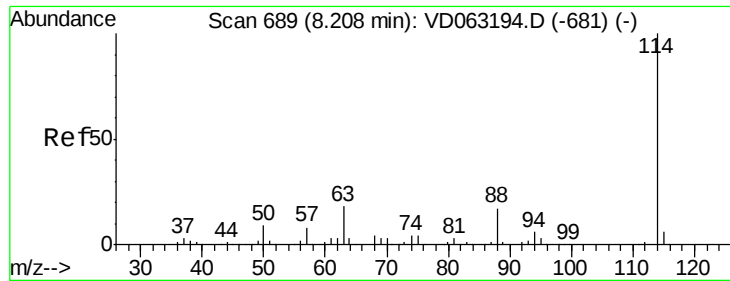
67 42.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

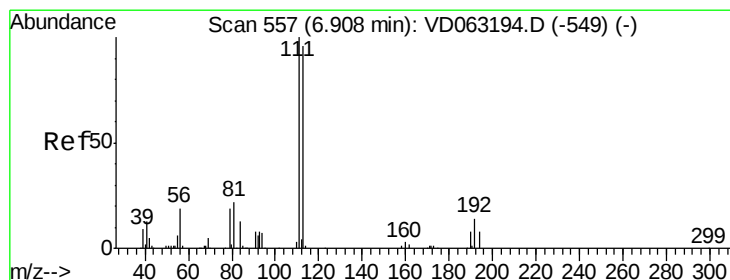
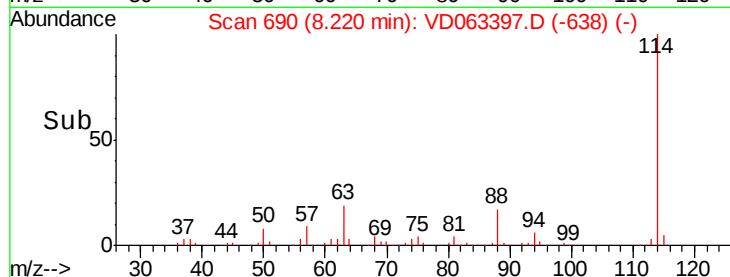
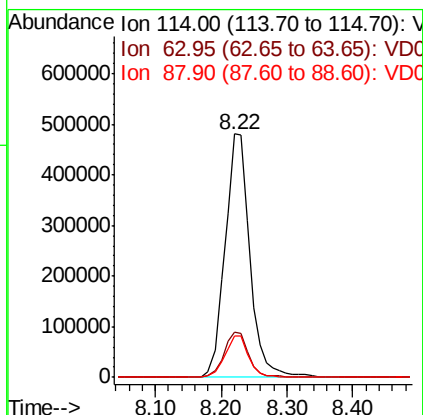
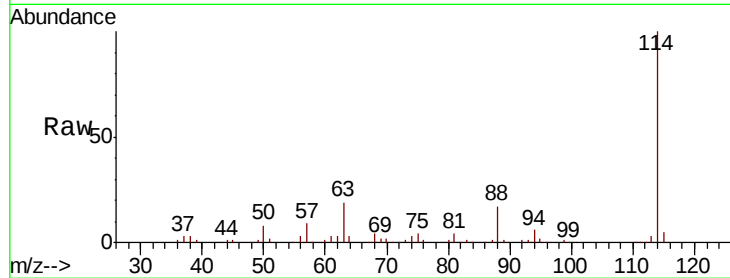




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063397.D
 Acq: 6 Aug 2019 14:24

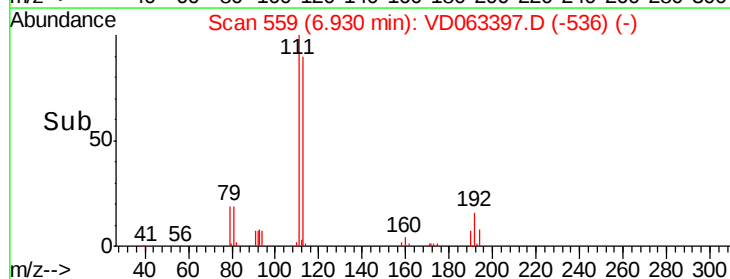
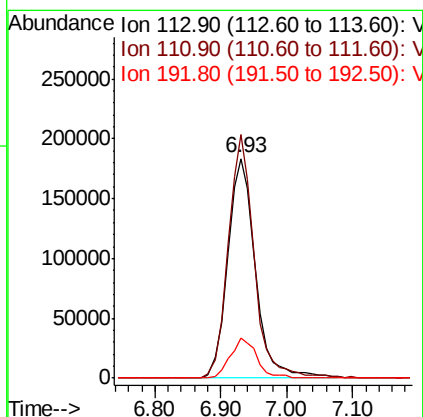
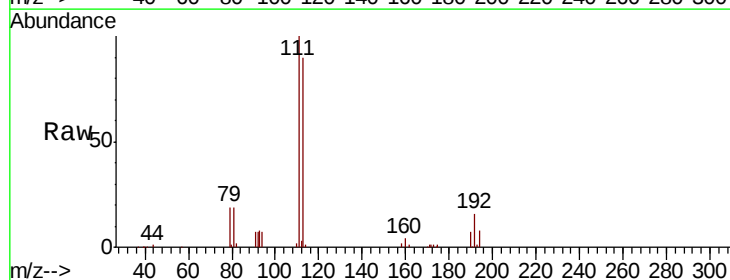
Instrument :
 MSVOA_D
 ClientSampleId :
 PS-5RE

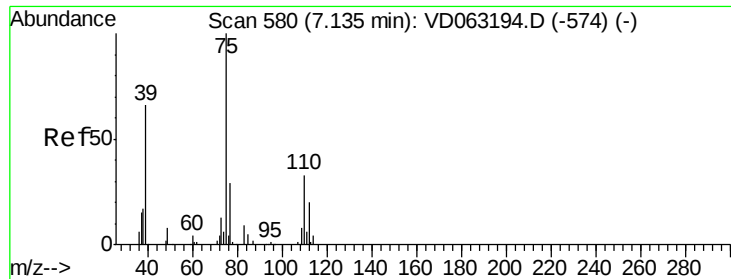
Tgt Ion:114 Resp: 1266491
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 17.0 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 49.896 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063397.D
 Acq: 6 Aug 2019 14:24

Tgt Ion:113 Resp: 539529
 Ion Ratio Lower Upper
 113 100
 111 111.0 83.2 124.8
 192 18.3 11.8 17.8#





#36

1,1-Dichloropropene

Concen: 5.967 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

PS-5RE

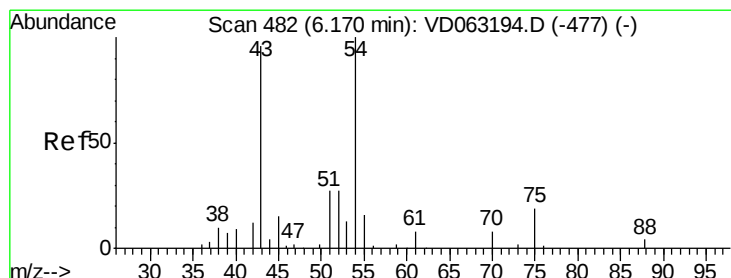
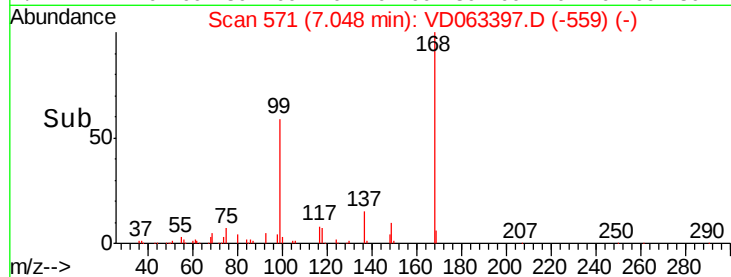
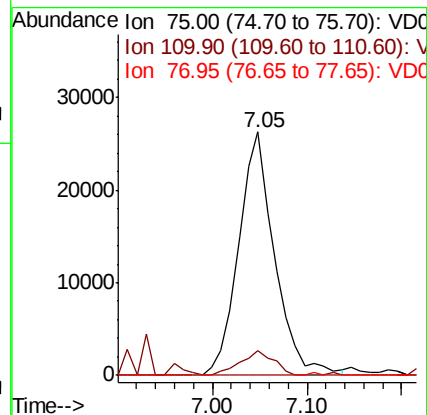
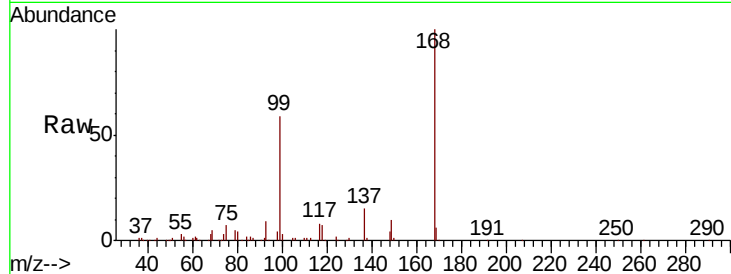
Tgt Ion: 75 Resp: 68974

Ion Ratio Lower Upper

75 100

110 10.4 16.1 48.2#

77 0.0 22.7 34.1#



#37

Ethyl Acetate

Concen: 1.488 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

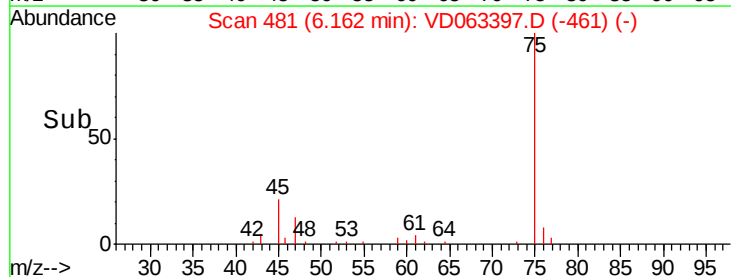
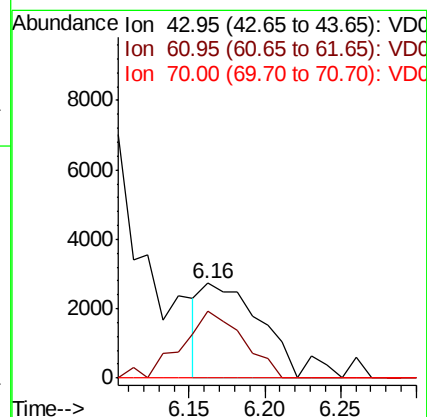
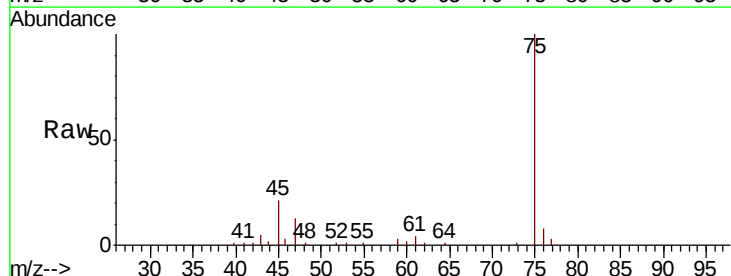
Tgt Ion: 43 Resp: 7726

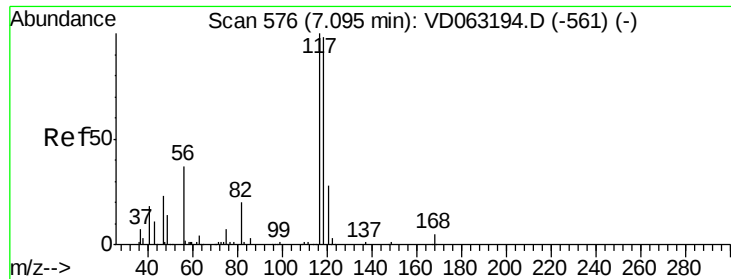
Ion Ratio Lower Upper

43 100

61 70.1 11.3 16.9#

70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.317 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

PS-5RE

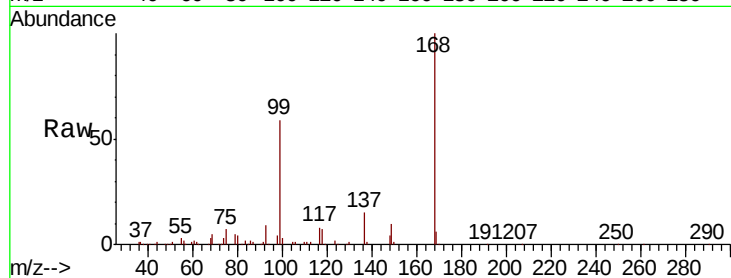
Tgt Ion:117 Resp: 92525

Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

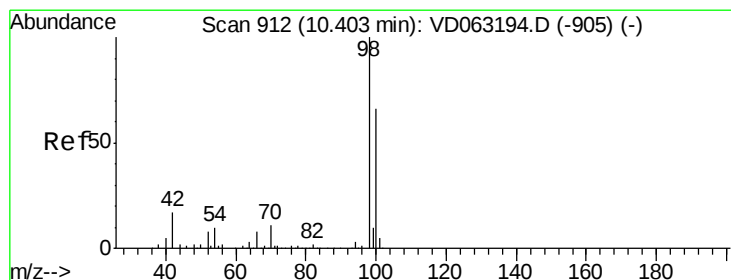
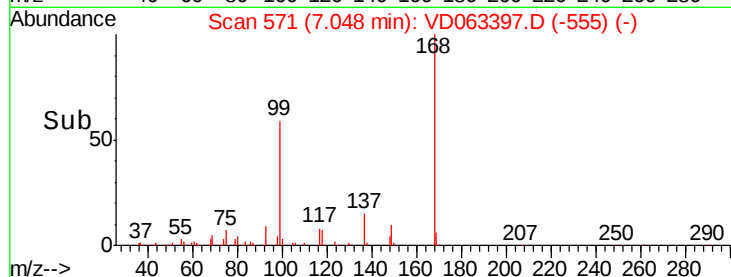
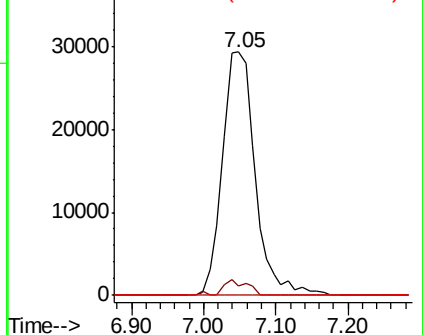
121 0.0 22.1 33.1#



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



#50

Toluene-d8

Concen: 43.602 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063397.D

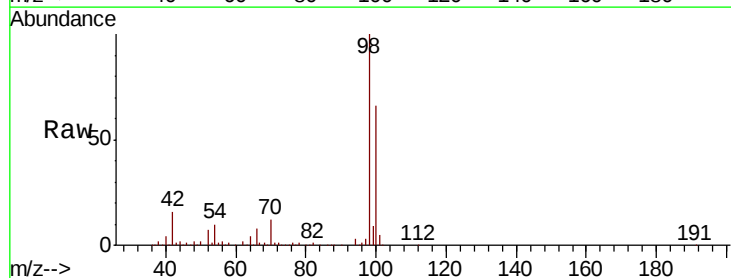
Acq: 6 Aug 2019 14:24

Tgt Ion: 98 Resp: 1055160

Ion Ratio Lower Upper

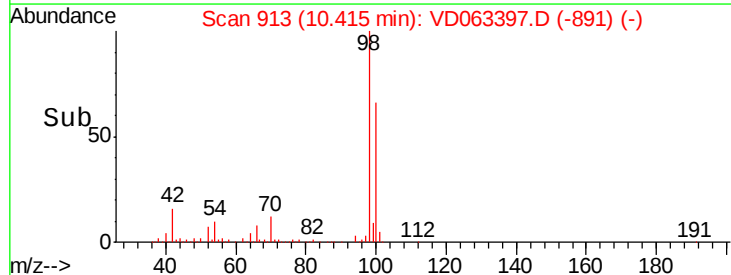
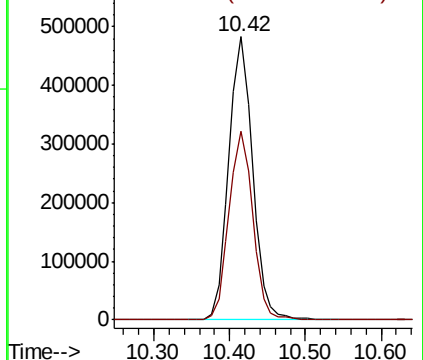
98 100

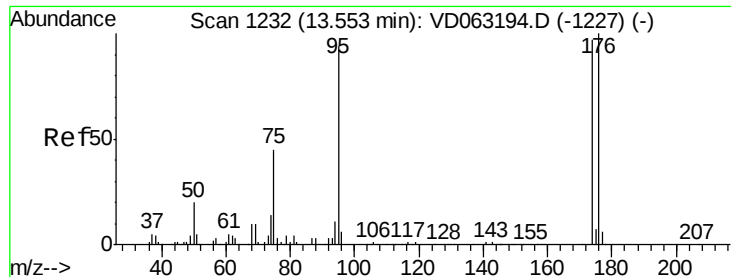
100 66.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 30.770 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

PS-5RE

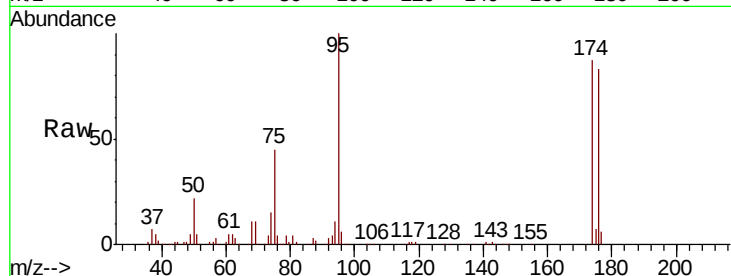
Tgt Ion: 95 Resp: 339325

Ion Ratio Lower Upper

95 100

174 86.6 0.0 205.4

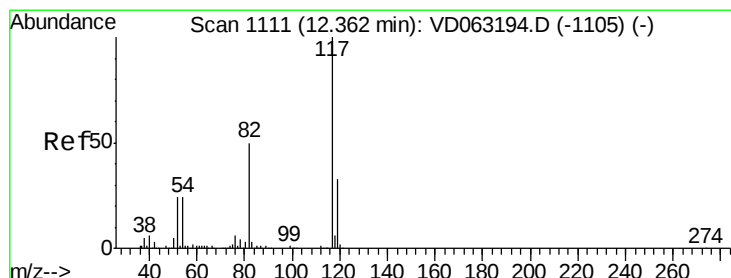
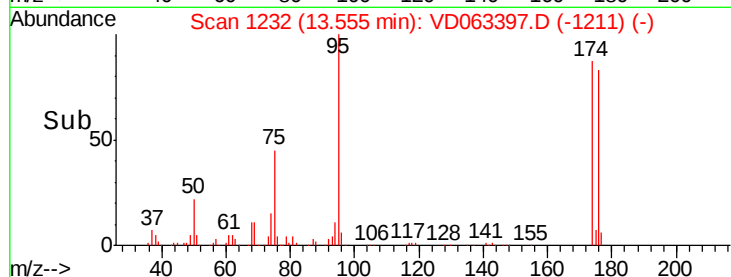
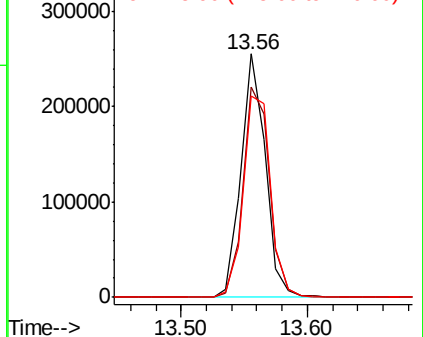
176 82.6 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

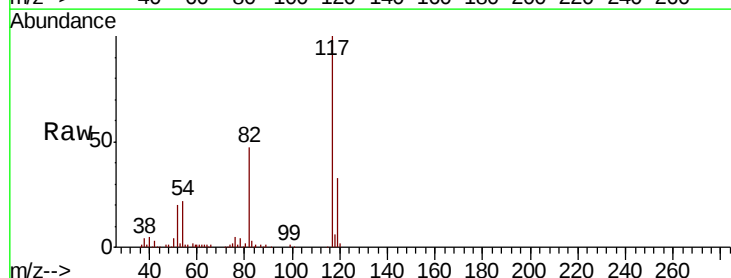
Tgt Ion: 117 Resp: 853428

Ion Ratio Lower Upper

117 100

82 47.1 40.1 60.1

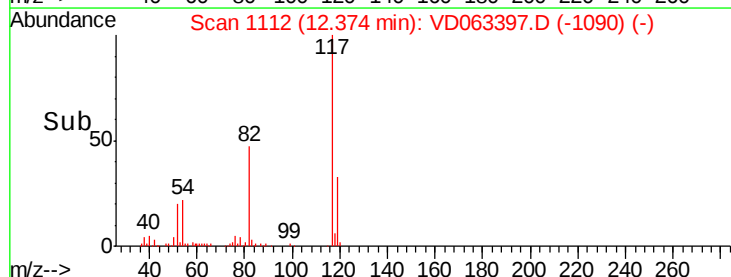
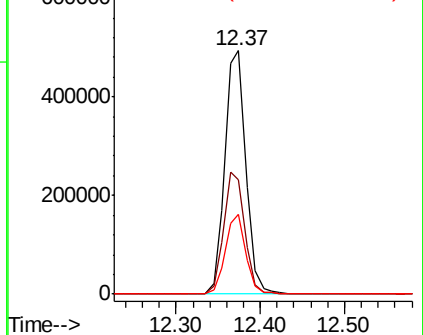
119 32.9 26.5 39.7

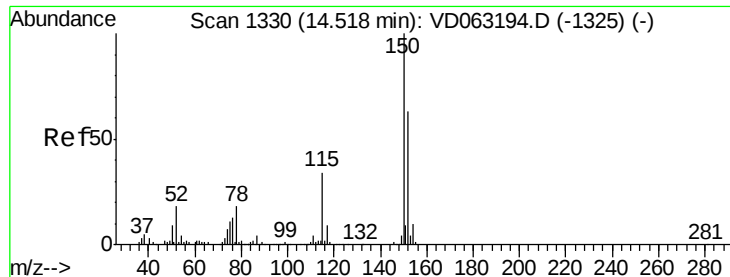


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.00 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

PS-5RE

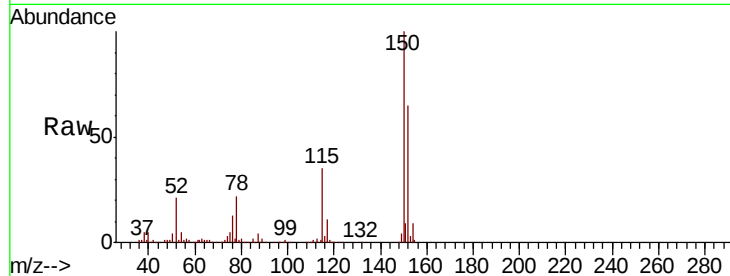
Tgt Ion:152 Resp: 299821

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

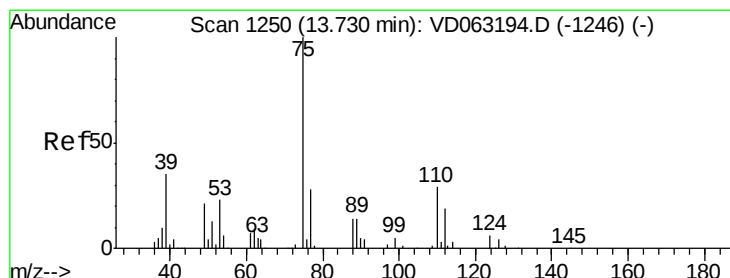
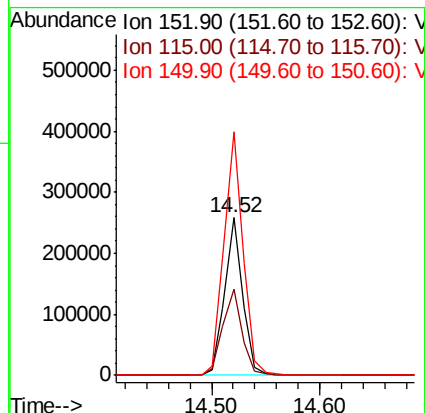
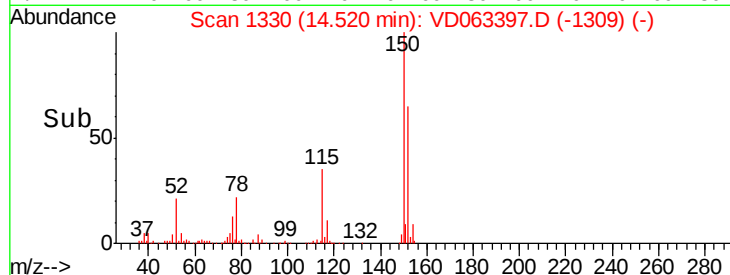
150 154.7 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 31.862 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063397.D

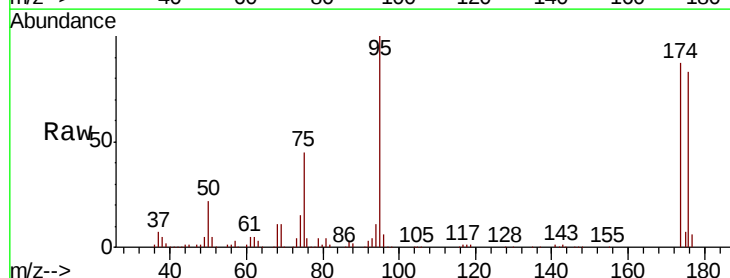
Acq: 6 Aug 2019 14:24

Tgt Ion: 75 Resp: 114744

Ion Ratio Lower Upper

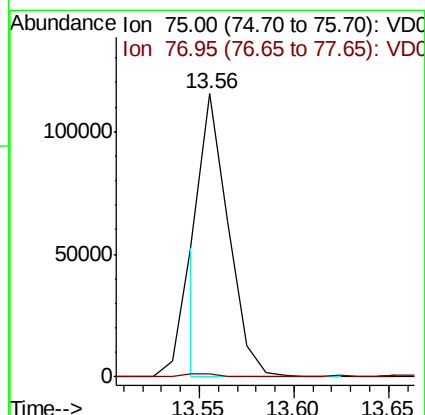
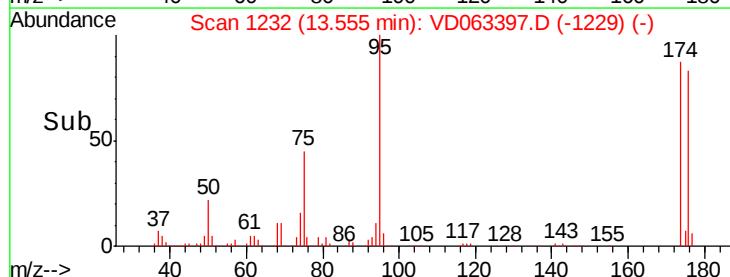
75 100

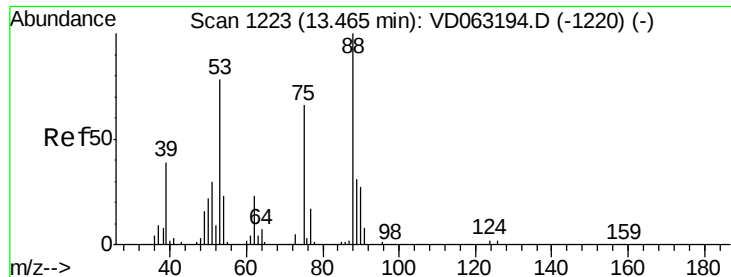
77 1.0 16.0 48.0#



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: 149.526 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063397.D

Acq: 6 Aug 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

PS-5RE

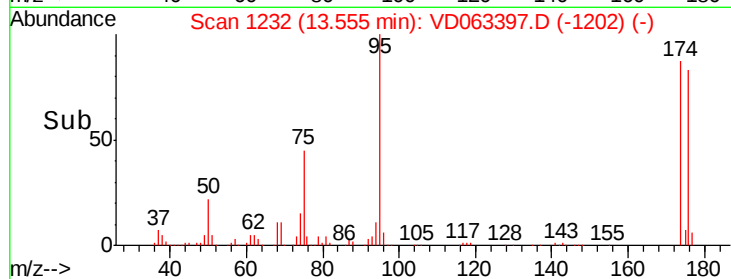
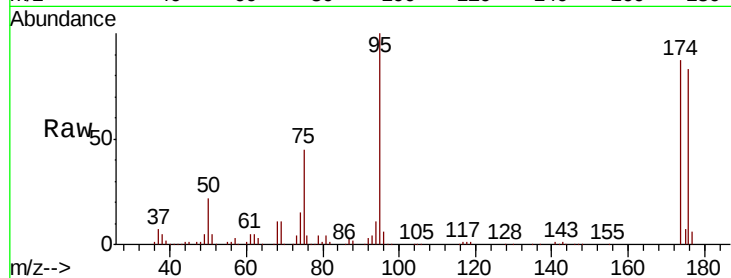
Tgt Ion: 75 Resp: 149525

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

