

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062886.D
 Acq On : 25 Jun 2019 18:25
 Operator : VA/AP
 Sample : K3510-01
 Misc : 3.48g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-062419

Quant Time: Jun 26 05:36:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	123977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	205333	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	193338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	94160	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	148036	109.85	ug/l	0.00
Spiked Amount			Recovery	=	219.70%	
35) Dibromofluoromethane	6.93	113	106322	61.41	ug/l	0.00
Spiked Amount			Recovery	=	122.82%	
50) Toluene-d8	10.42	98	184228	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	13.56	95	94271	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	

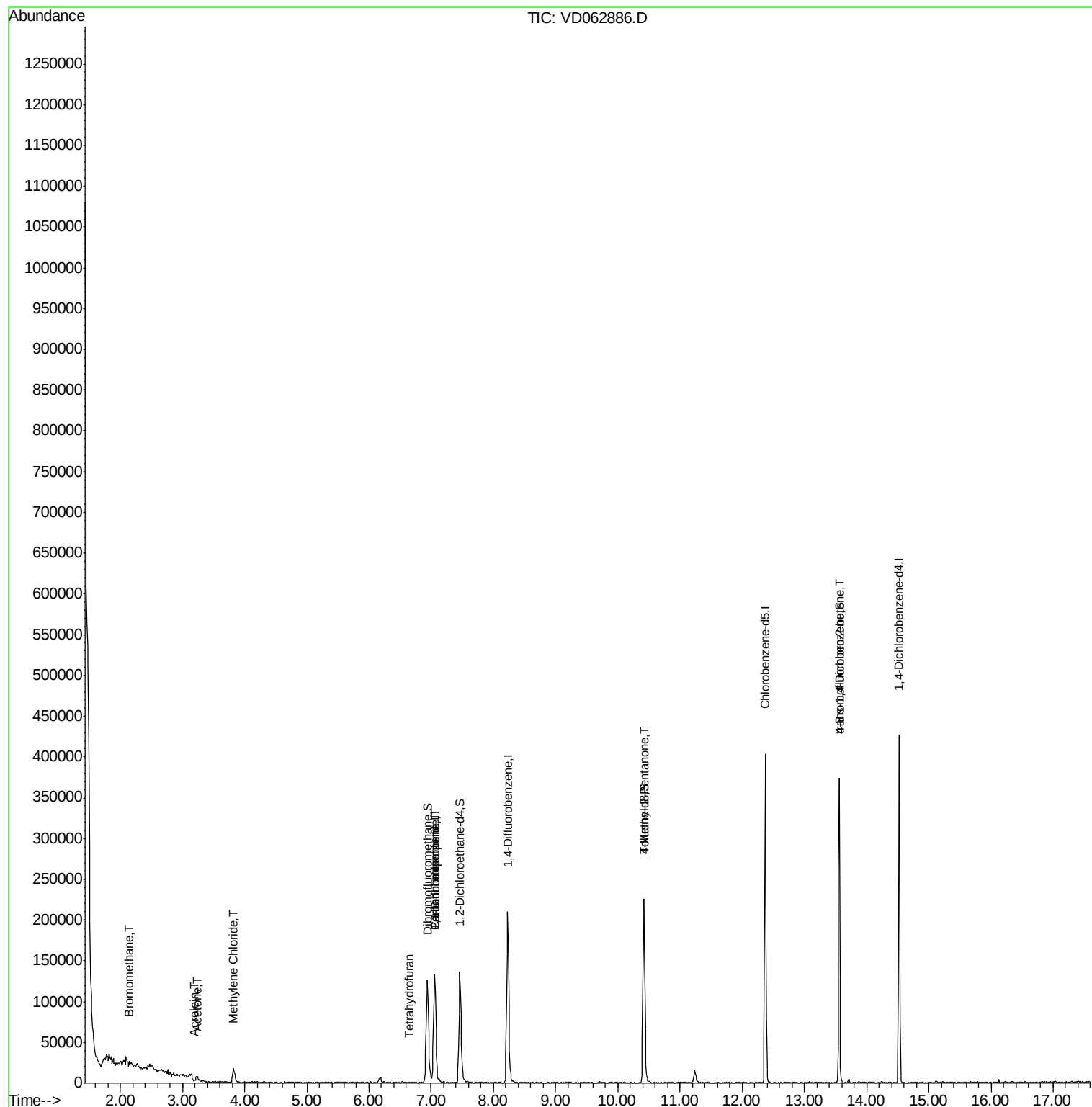
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	583	1.041	ug/l #	13
13) Acrolein	3.19	56	229	3.655	ug/l #	15
16) Acetone	3.23	43	13396	43.233	ug/l	99
20) Methylene Chloride	3.82	84	9444	9.189	ug/l #	91
29) Tetrahydrofuran	6.64	42	223	1.870	ug/l #	33
36) 1,1-Dichloropropene	7.06	75	12202	6.278	ug/l #	54
37) Ethyl Acetate	6.16	43	182	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	14852	5.080	ug/l #	13
51) 4-Methyl-2-Pentanone	10.42	43	1798	2.489	ug/l #	88
81) trans-1,4-Dichloro-2-buten	13.56	75	44716	156.960	ug/l #	2

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

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Misc : 3.48g/5ml/MSVOA D/SOIL
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MSVOA_D
ClientSampleId :
TR-04-062419

Quant Time: Jun 26 05:36:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

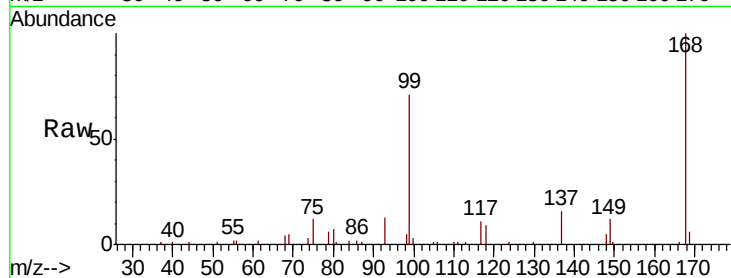
TR-04-062419

Tot Ion:168 Resp: 123977

Ion Ratio Lower Upper

168 100

99 70.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

40000

30000

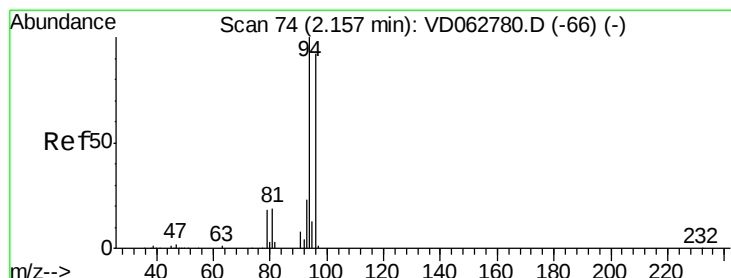
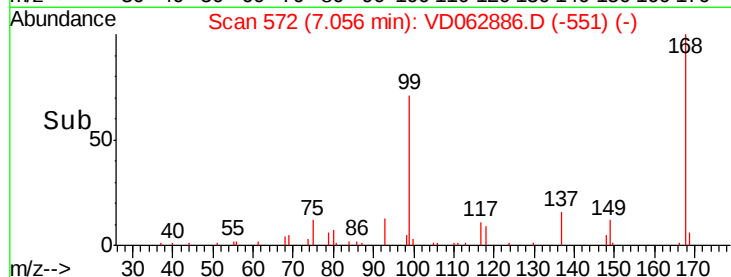
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.041 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

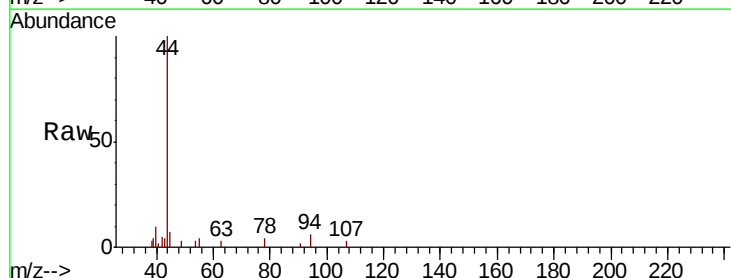
Tgt Ion: 94 Resp: 583

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



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

1000

800

600

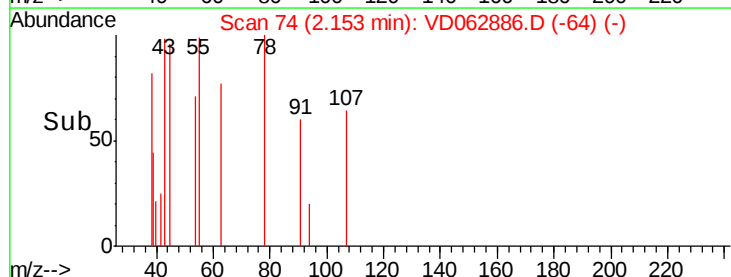
400

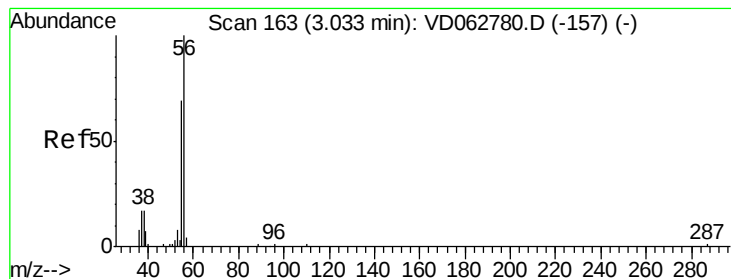
200

0

2.14 2.16 2.18

Time-->





#13

Acrolein

Concen: 3.655 ug/l

RT: 3.19 min Scan# 179

Delta R.T. 0.15 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

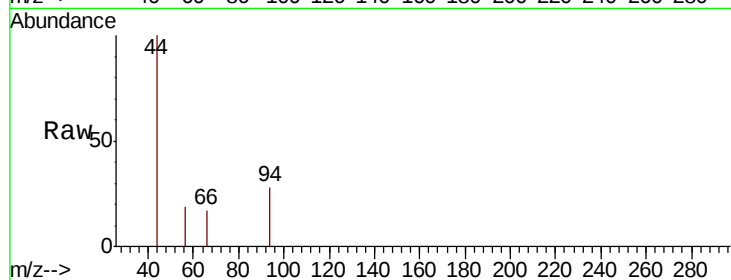
TR-04-062419

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

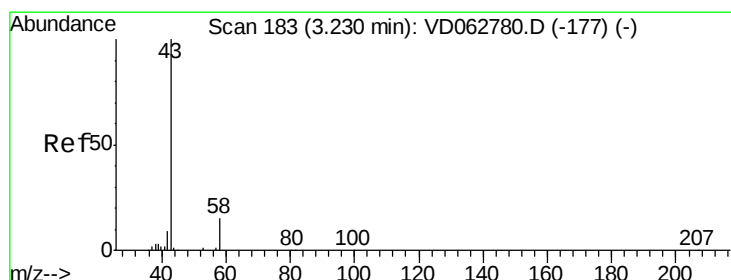
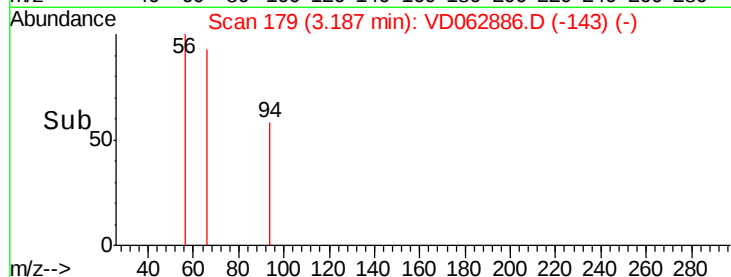
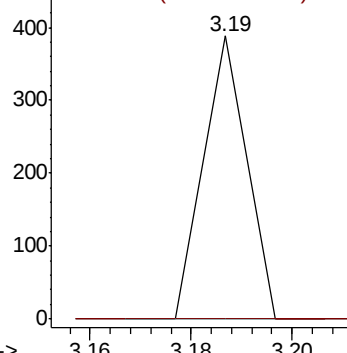
56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 43.233 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062886.D

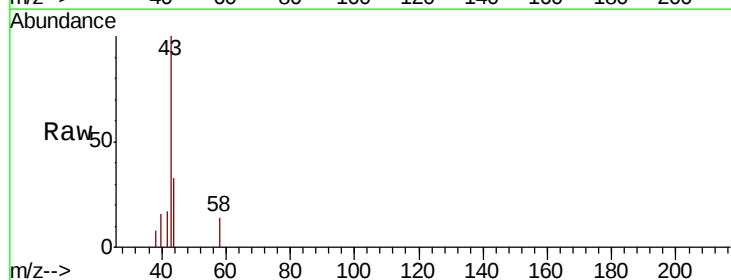
Acq: 25 Jun 2019 18:25

Tgt Ion: 43 Resp: 13396

Ion Ratio Lower Upper

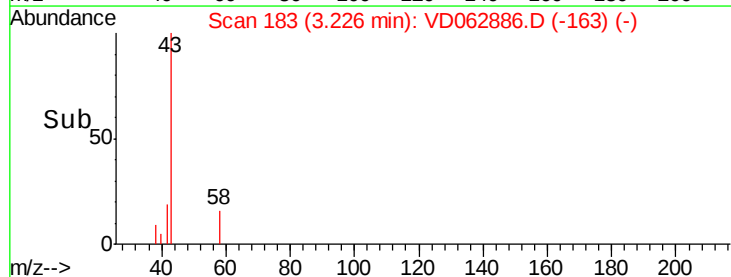
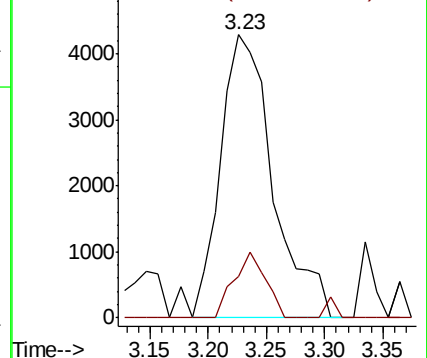
43 100

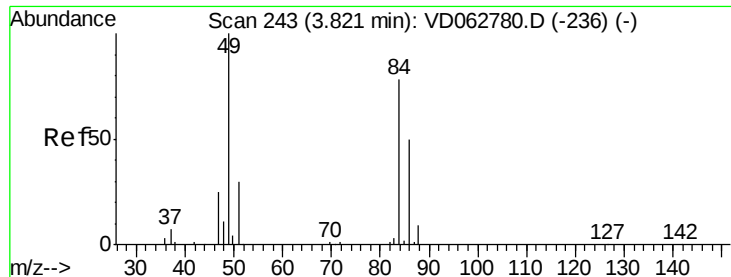
58 14.4 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 9.189 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

TR-04-062419

Tot Ion: 84 Resp: 9444

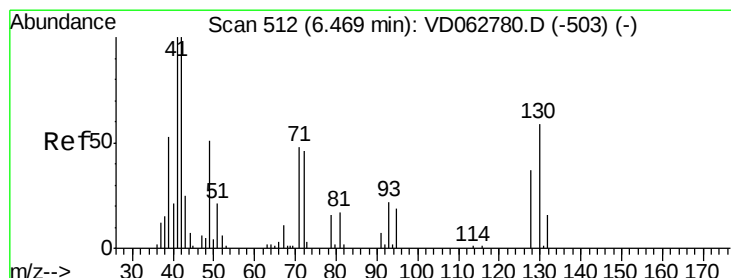
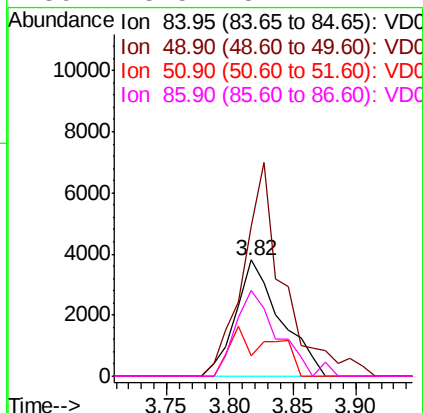
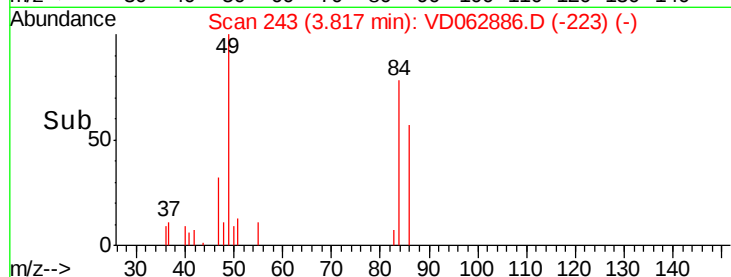
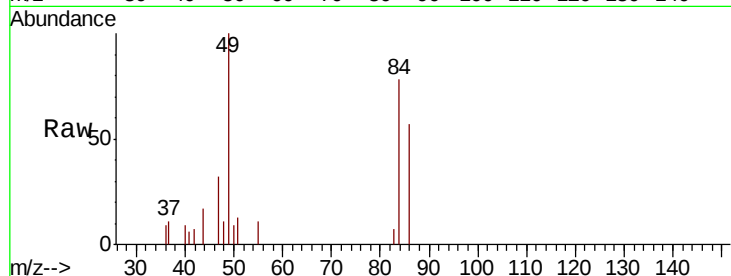
Ion Ratio Lower Upper

84 100

49 128.5 102.9 154.3

51 17.2 31.2 46.8#

86 73.5 51.4 77.2



#29

Tetrahydrofuran

Concen: 1.870 ug/l

RT: 6.64 min Scan# 530

Delta R.T. 0.17 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

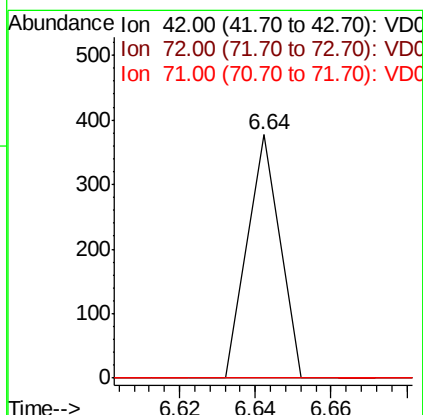
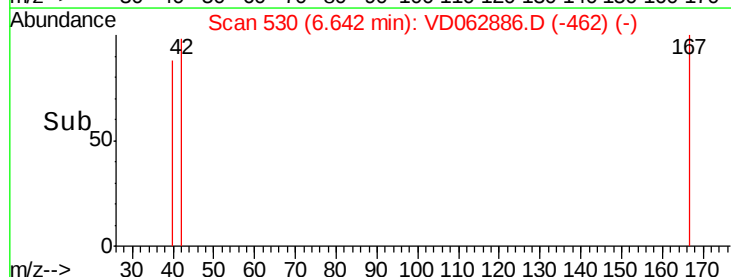
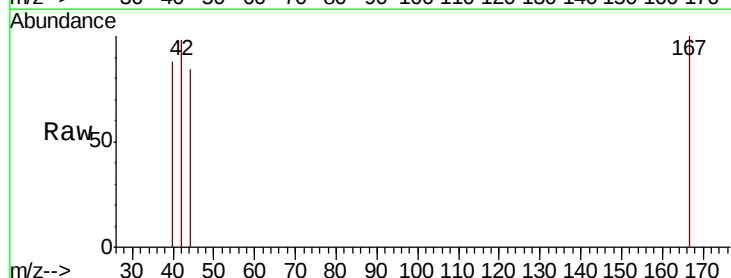
Tgt Ion: 42 Resp: 223

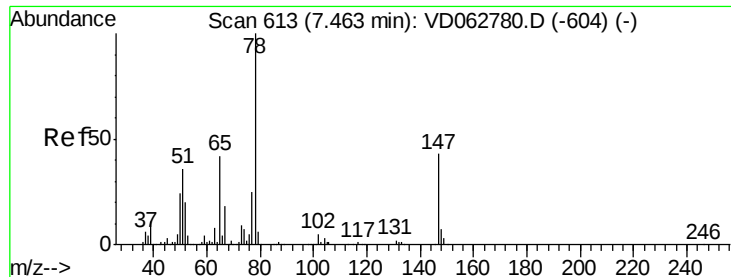
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

71 0.0 33.3 49.9#





#33

1,2-Dichloroethane-d4

Concen: 109.851 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

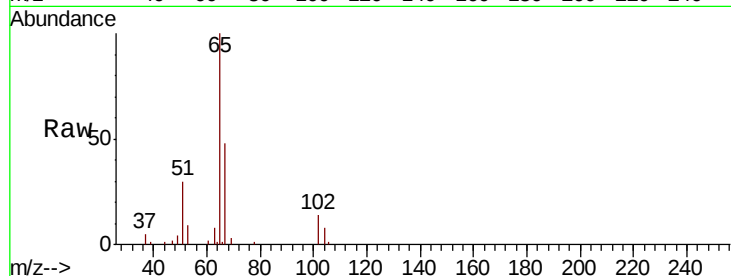
TR-04-062419

Tot Ion: 65 Resp: 148036

Ion Ratio Lower Upper

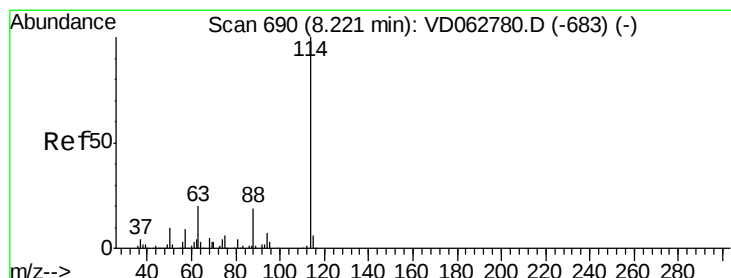
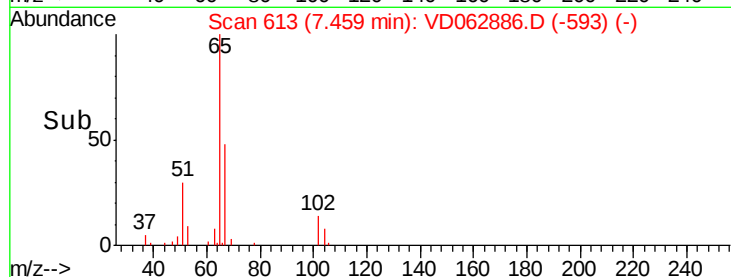
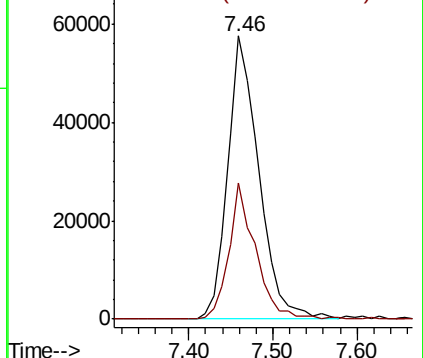
65 100

67 48.1 0.0 87.4



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. 0.01 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

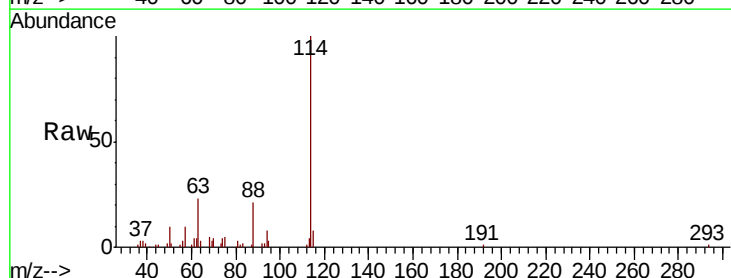
Tgt Ion: 114 Resp: 205333

Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

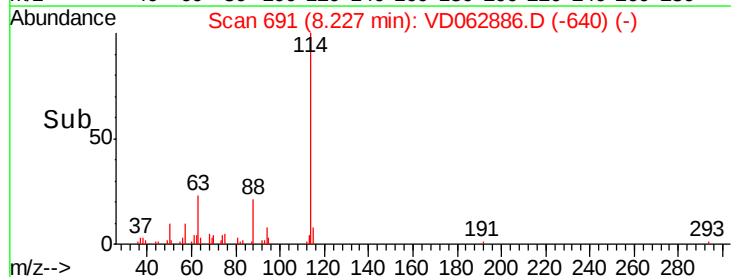
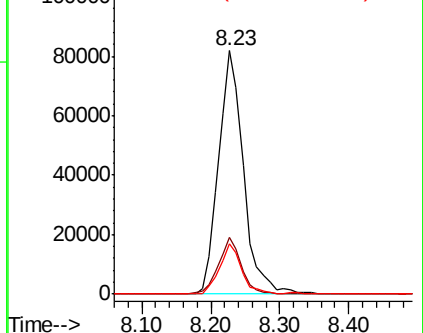
88 20.7 0.0 38.8

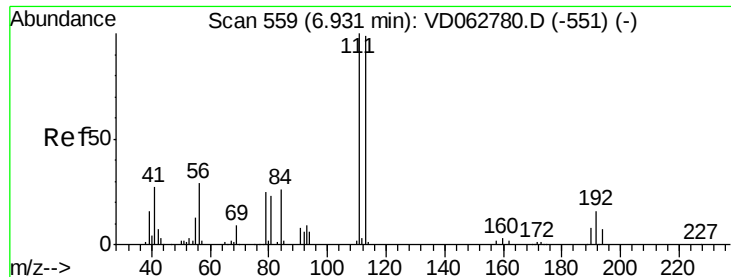


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 61.410 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

TR-04-062419

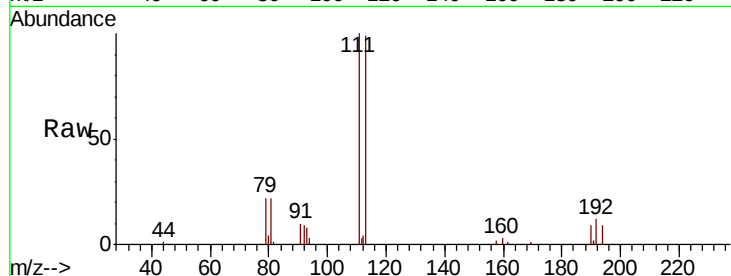
Tot Ion:113 Resp: 106322

Ion Ratio Lower Upper

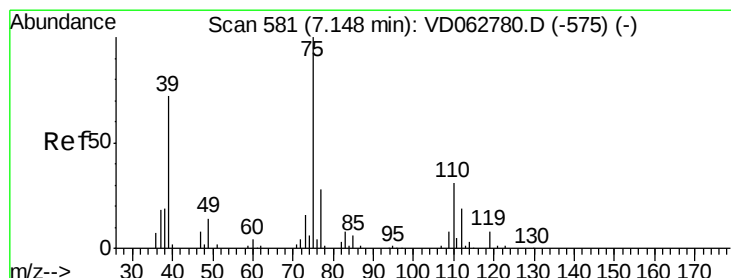
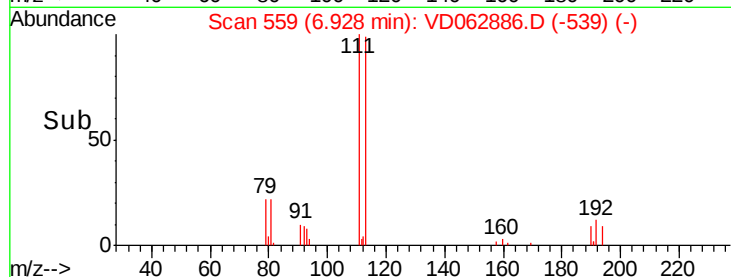
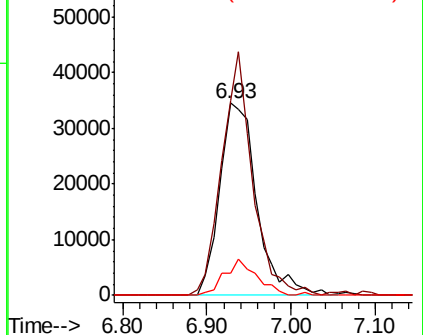
113 100

111 101.3 81.2 121.8

192 11.8 12.9 19.3#



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: 6.278 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

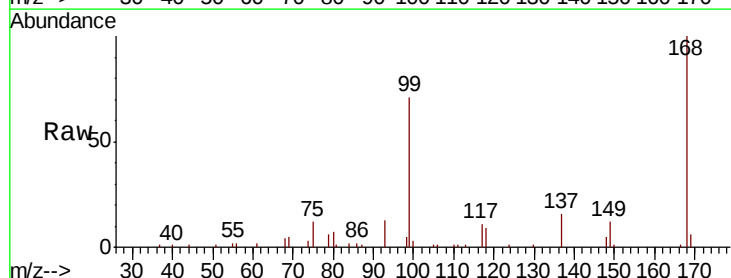
Tgt Ion: 75 Resp: 12202

Ion Ratio Lower Upper

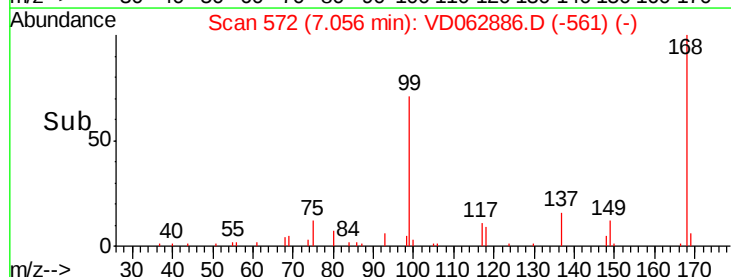
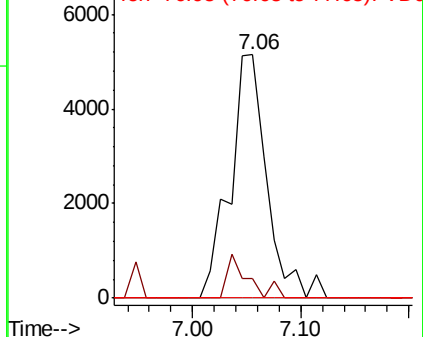
75 100

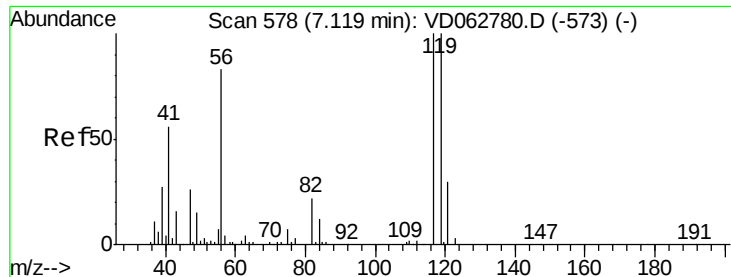
110 8.2 15.0 45.1#

77 0.0 22.2 33.2#



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

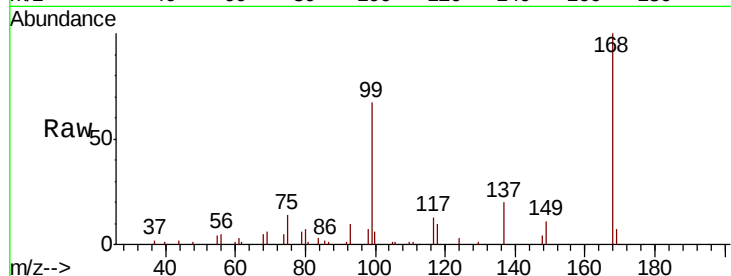




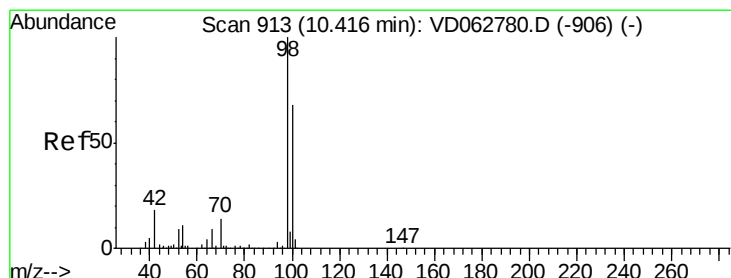
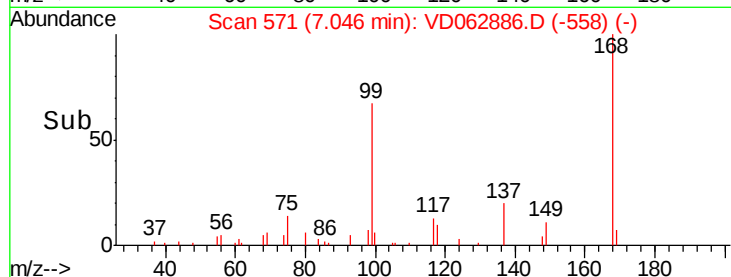
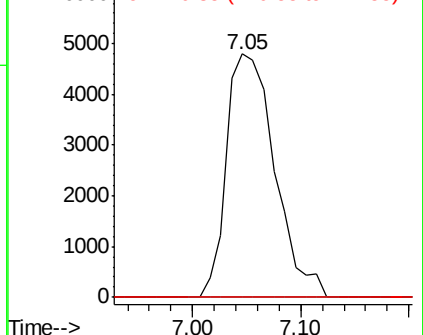
#38
Carbon Tetrachloride
Concen: 5.080 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD062886.D
Acq: 25 Jun 2019 18:25

Instrument :
MSVOA_D
ClientSampleId :
TR-04-062419

Tot Ion:117 Resp: 14852
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
121 0.0 22.3 33.5#

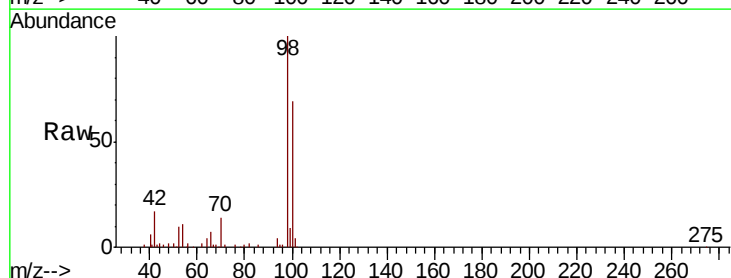


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

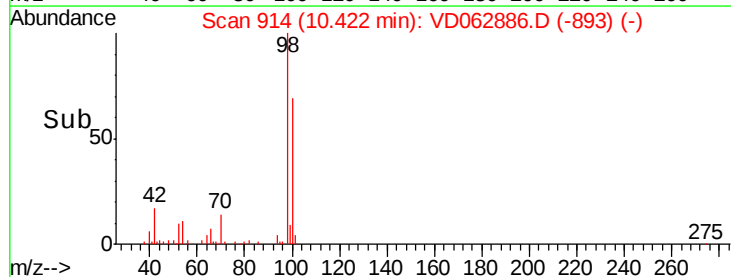
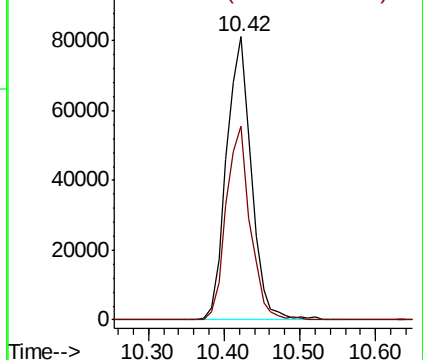


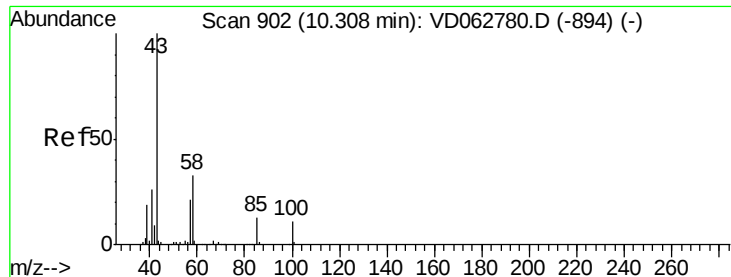
#50
Toluene-d8
Concen: 48.890 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062886.D
Acq: 25 Jun 2019 18:25

Tgt Ion: 98 Resp: 184228
Ion Ratio Lower Upper
98 100
100 68.5 54.7 82.1



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

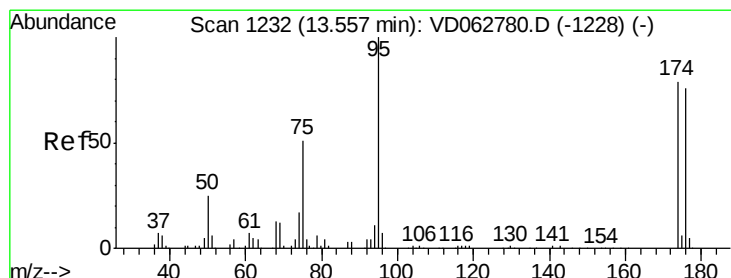
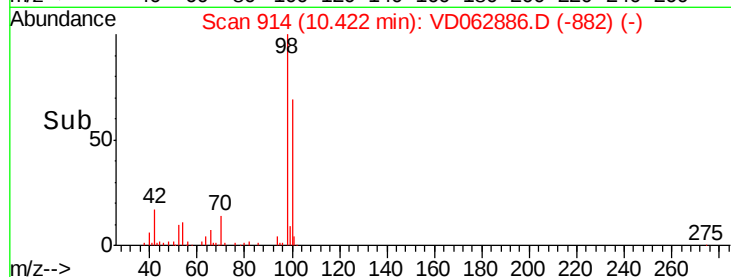
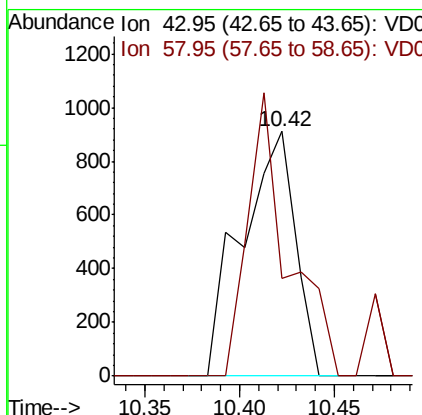
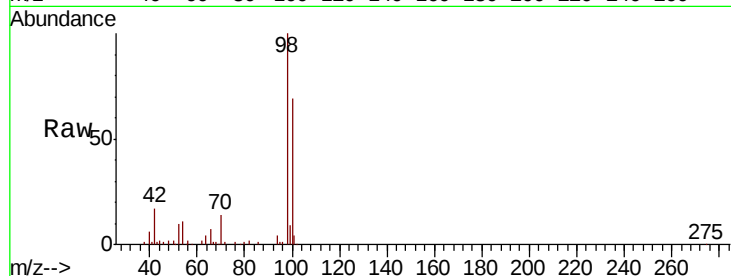




#51
4-Methyl-2-Pentanone
Concen: 2.489 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.11 min
Lab File: VD062886.D
Acq: 25 Jun 2019 18:25

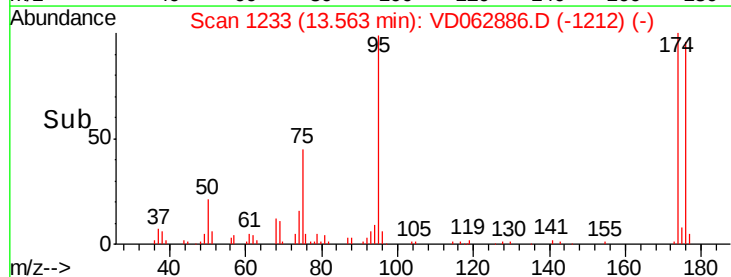
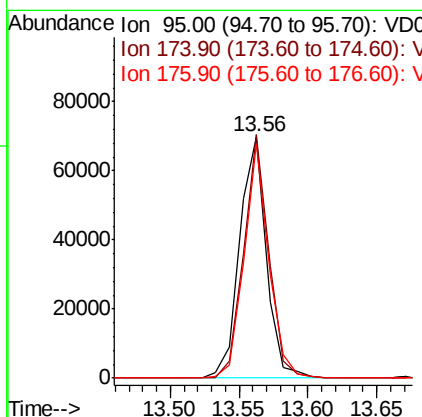
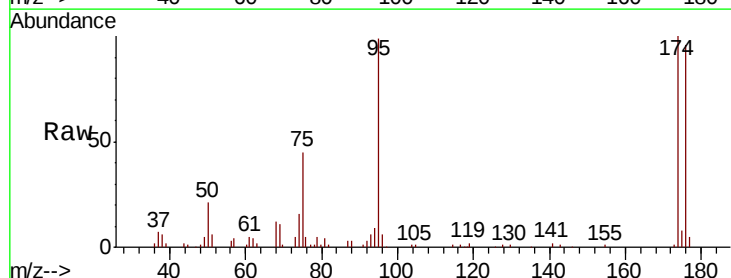
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062419

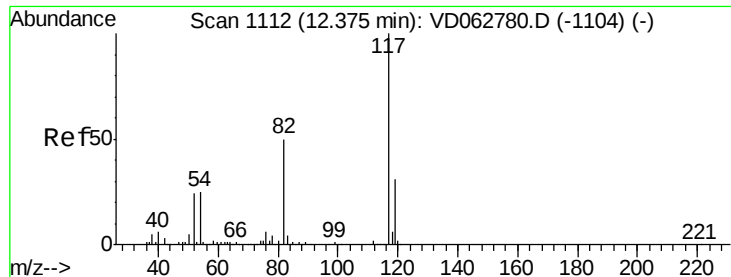
Tot Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 40.1 26.6 40.0#



#62
4-Bromofluorobenzene
Concen: 55.018 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062886.D
Acq: 25 Jun 2019 18:25

Tgt Ion: 95 Resp: 94271
Ion Ratio Lower Upper
95 100
174 100.9 0.0 158.0
176 97.3 0.0 151.6

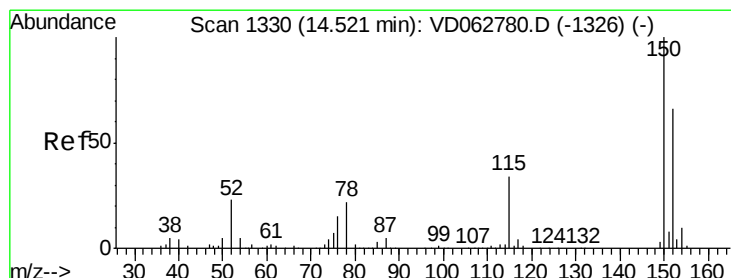
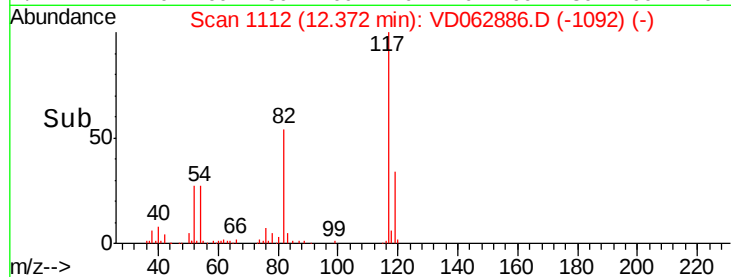
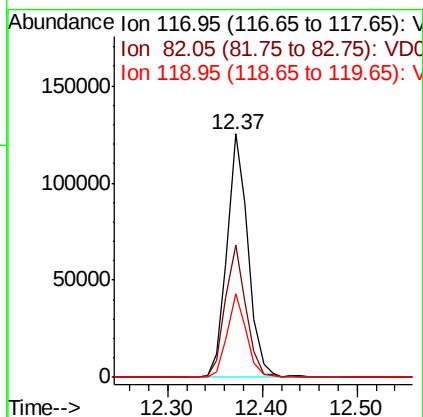
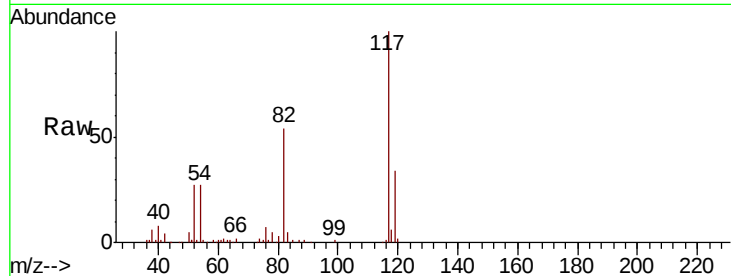




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062886.D
Acq: 25 Jun 2019 18:25

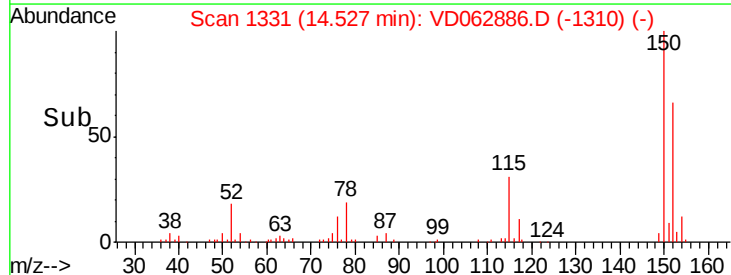
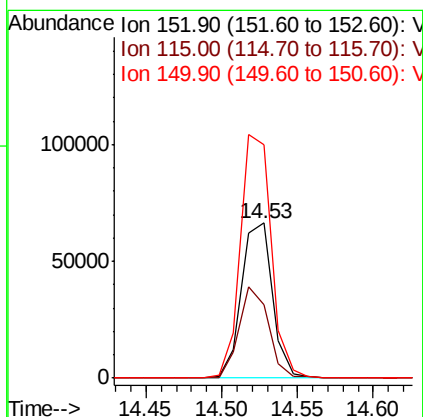
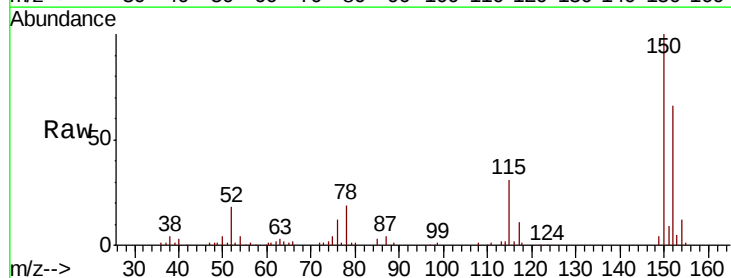
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062419

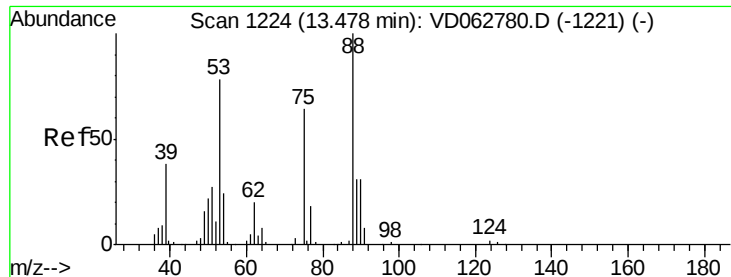
Tot Ion:117 Resp: 193338
Ion Ratio Lower Upper
117 100
82 54.2 40.4 60.6
119 34.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062886.D
Acq: 25 Jun 2019 18:25

Tgt Ion:152 Resp: 94160
Ion Ratio Lower Upper
152 100
115 47.5 29.2 87.6
150 150.7 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 156.960 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062886.D

Acq: 25 Jun 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

TR-04-062419

Tot Ion: 75 Resp: 44716

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

