

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062815.D
 Acq On : 21 Jun 2019 14:42
 Operator : VA/AP
 Sample : K3470-09
 Misc : 6.40g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-6

Quant Time: Jun 22 04:13:21 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	224229	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.24	114	317049	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	269676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	120723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	216192	88.70	ug/l	0.00
Spiked Amount			Recovery	=	177.40%	
35) Dibromofluoromethane	6.95	113	175223	65.54	ug/l	0.01
Spiked Amount			Recovery	=	131.08%	
50) Toluene-d8	10.42	98	300009	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	13.56	95	133680	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	

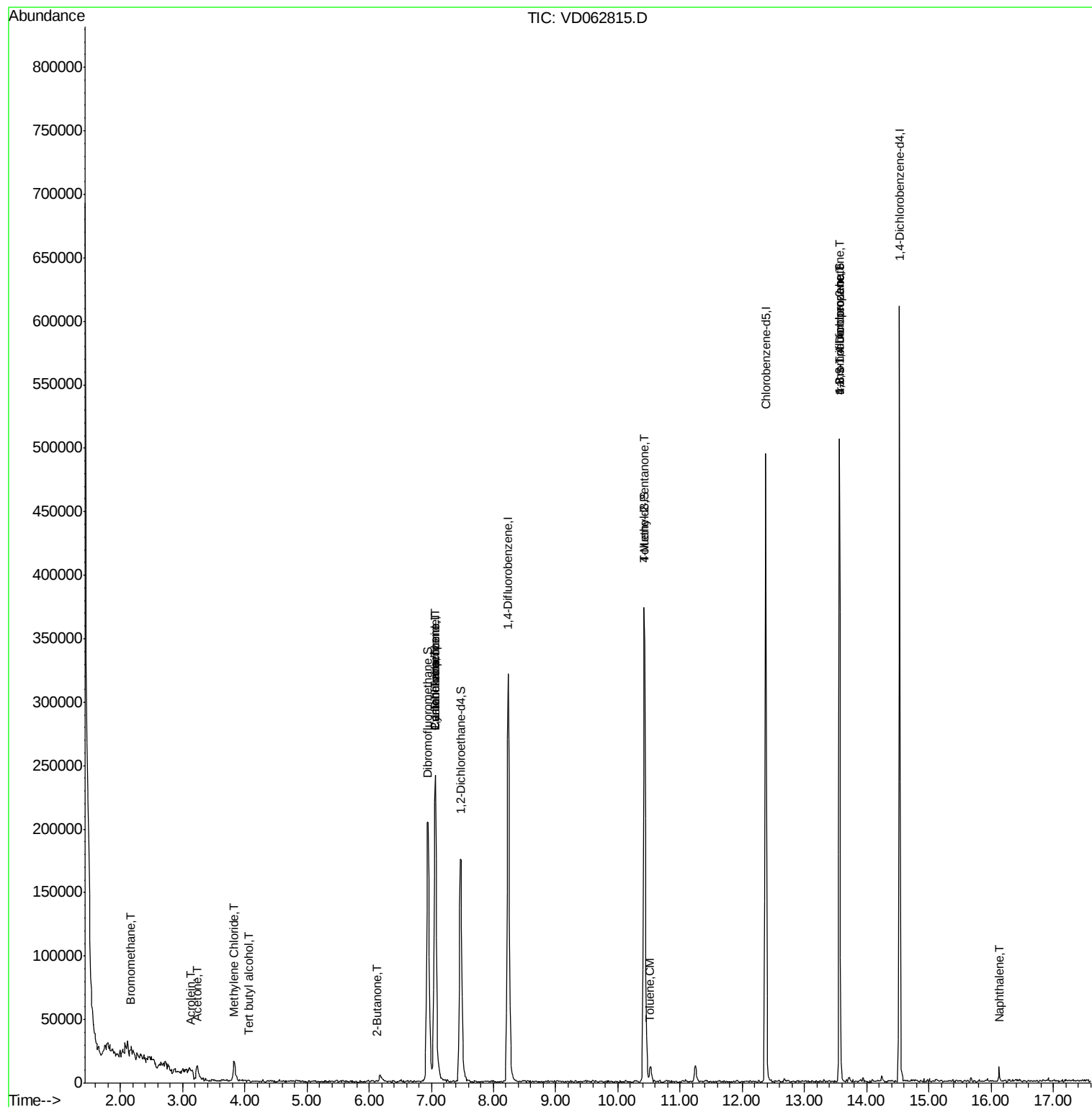
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1340	1.322	ug/l #	13
11) Tert butyl alcohol	4.07	59	178	1.603	ug/l #	77
13) Acrolein	3.14	56	237	2.091	ug/l #	15
16) Acetone	3.24	43	24684	44.181	ug/l #	83
20) Methylene Chloride	3.83	84	9194	4.946	ug/l #	81
25) 2-Butanone	6.12	43	512	1.123	ug/l #	64
31) Cyclohexane	7.05	56	4554	1.990	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	16896	5.630	ug/l #	53
37) Ethyl Acetate	6.21	43	212	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	21514	4.766	ug/l #	20
51) 4-Methyl-2-Pentanone	10.42	43	1888	1.692	ug/l #	1
52) Toluene	10.52	92	7105	1.754	ug/l #	38
76) 1,2,3-Trichloropropane	13.56	75	52662	37.787	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	64779	177.352	ug/l #	2
95) Naphthalene	16.13	128	5719	1.636	ug/l #	87

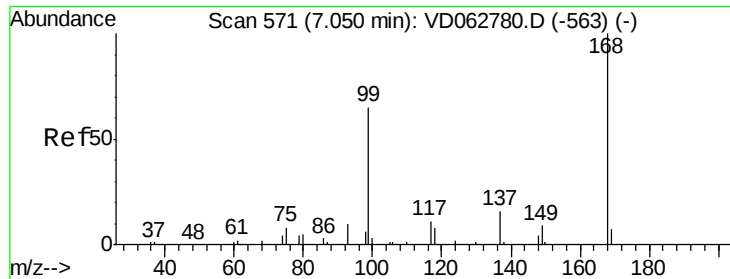
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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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# 573

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

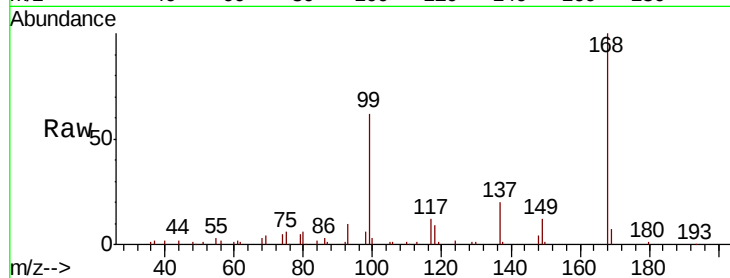
SAMPLE-6

Tot Ion:168 Resp: 224229

Ion Ratio Lower Upper

168 100

99 61.9 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

80000

60000

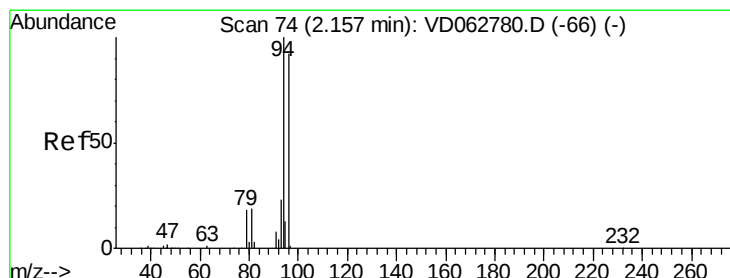
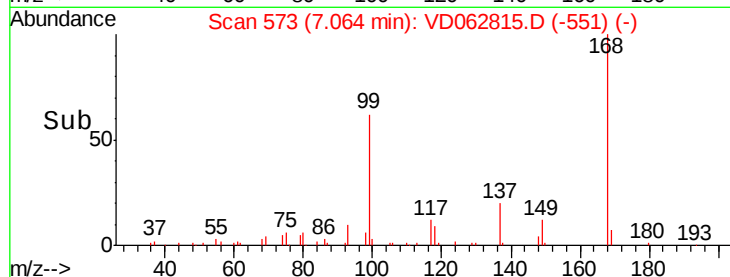
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.322 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

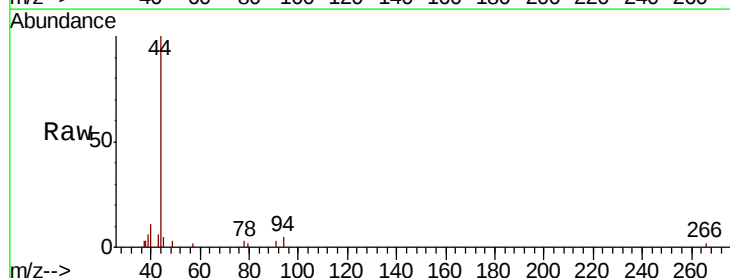
Tgt Ion: 94 Resp: 1340

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

1200

1000

800

600

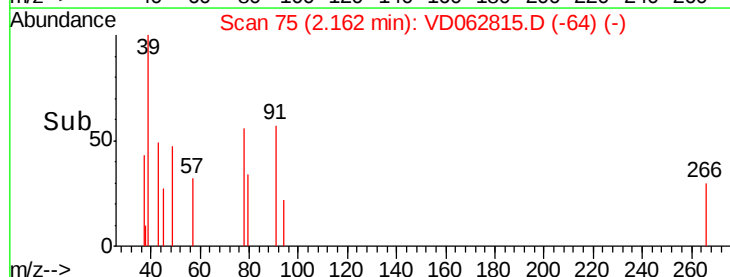
400

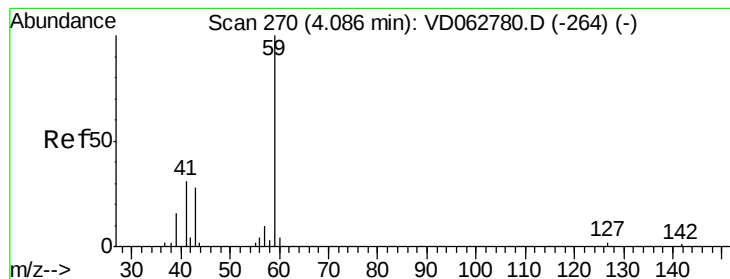
200

0

Time-->

2.14 2.16 2.18



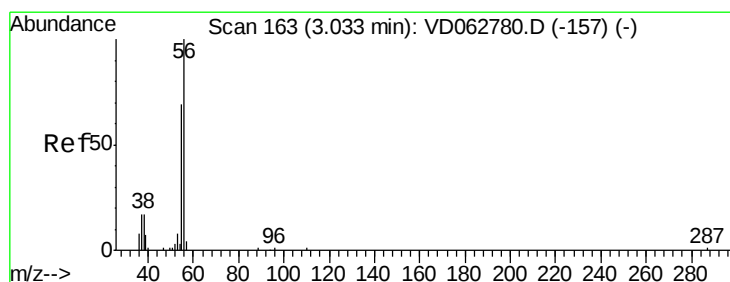
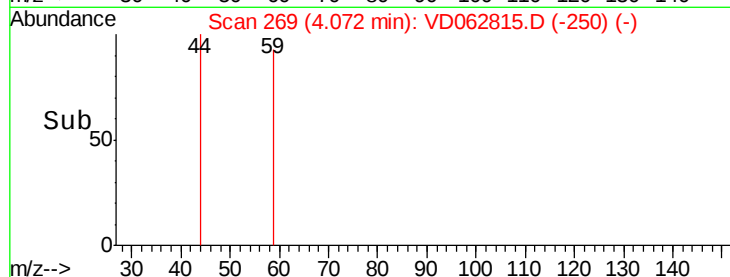
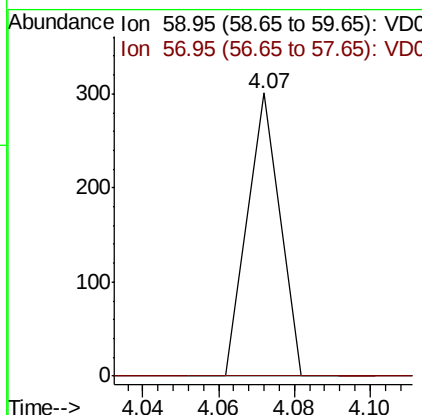
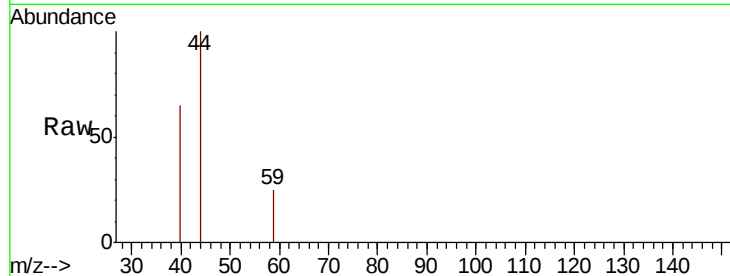


#11

Tert butyl alcohol
Concen: 1.603 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-6

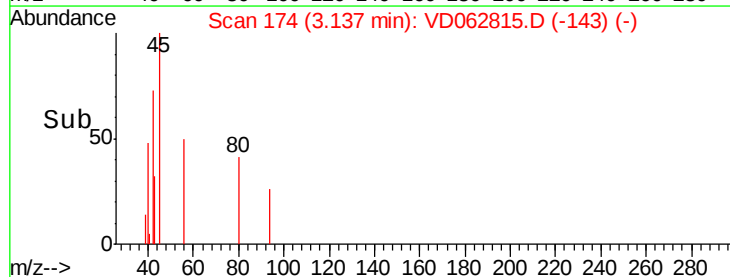
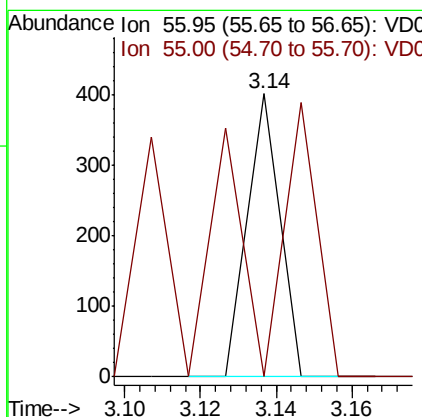
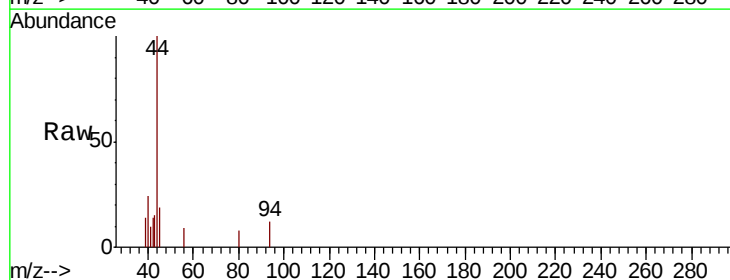
Tot Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#

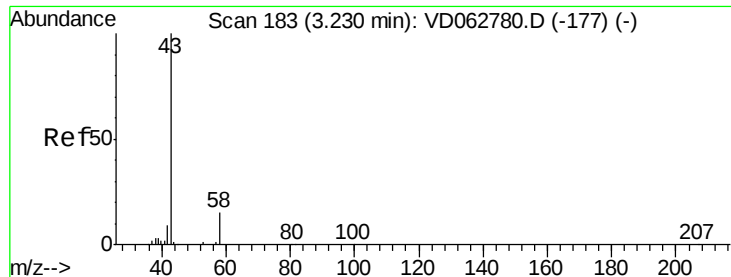


#13

Acrolein
Concen: 2.091 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.10 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#16

Acetone

Concen: 44.181 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

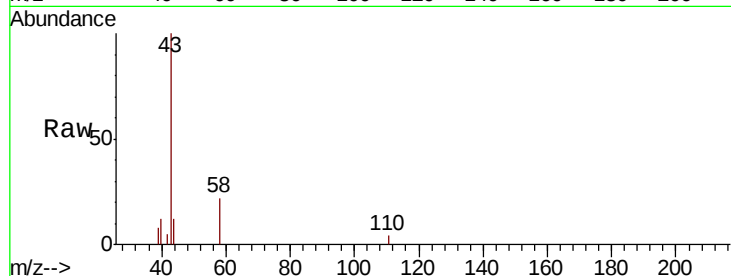
SAMPLE-6

Tot Ion: 43 Resp: 24684

Ion Ratio Lower Upper

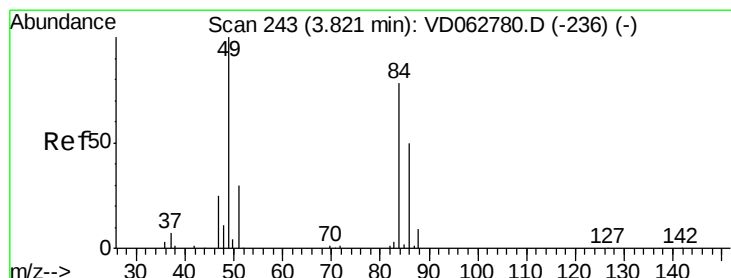
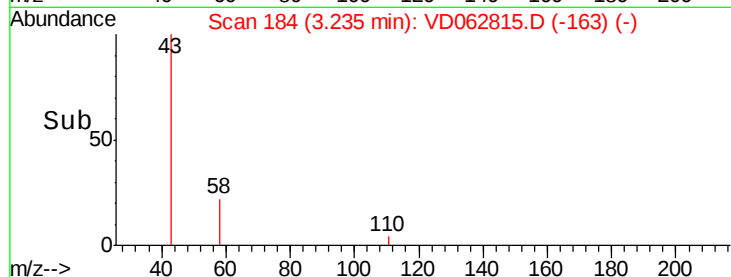
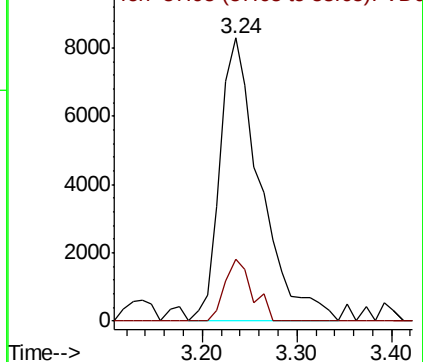
43 100

58 22.0 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: 4.946 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Tgt Ion: 84 Resp: 9194

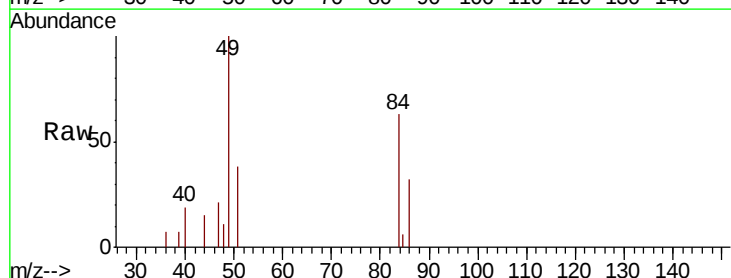
Ion Ratio Lower Upper

84 100

49 145.7 102.9 154.3

51 54.7 31.2 46.8#

86 47.1 51.4 77.2#

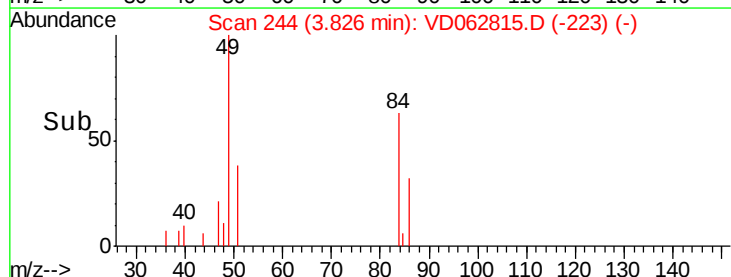
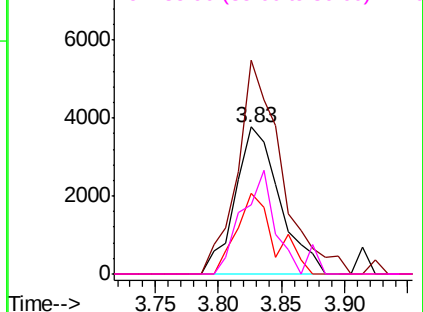


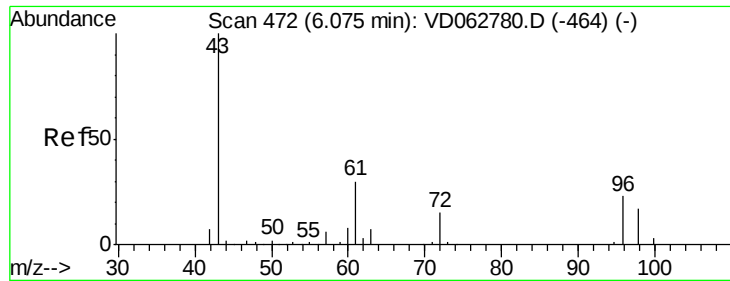
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.123 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.04 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

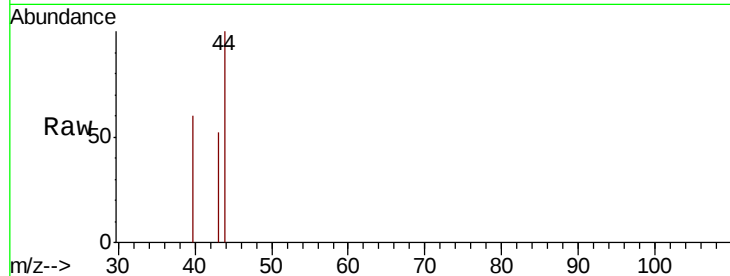
SAMPLE-6

Tot Ion: 43 Resp: 512

Ion Ratio Lower Upper

43 100

72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.12

500

400

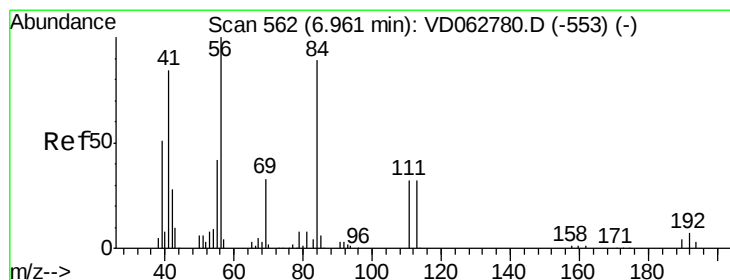
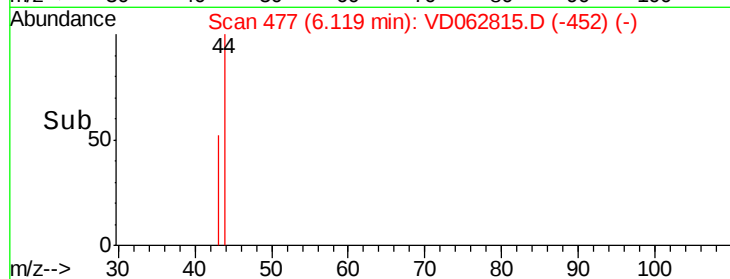
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.990 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

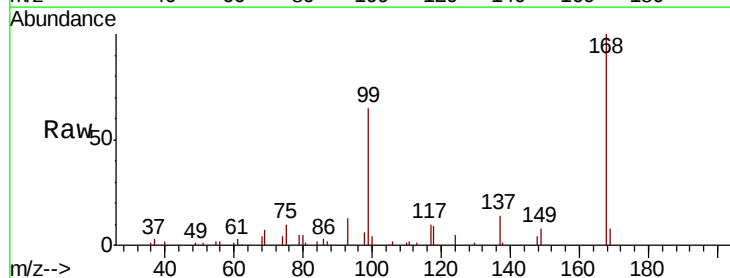
Tgt Ion: 56 Resp: 4554

Ion Ratio Lower Upper

56 100

69 280.0 26.6 39.8#

84 71.1 75.5 113.3#



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

6000

5000

4000

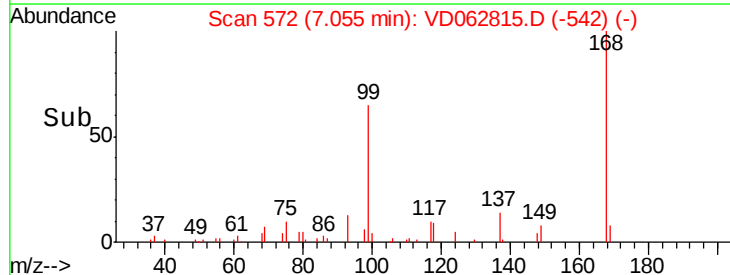
3000

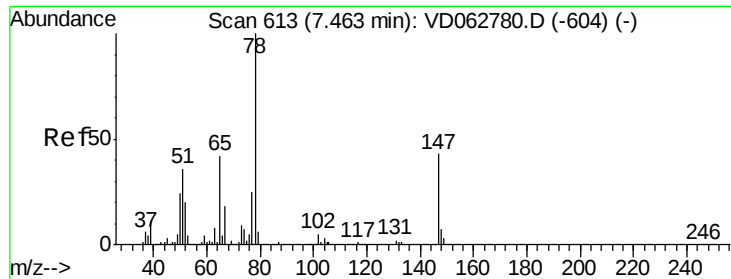
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 88.700 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

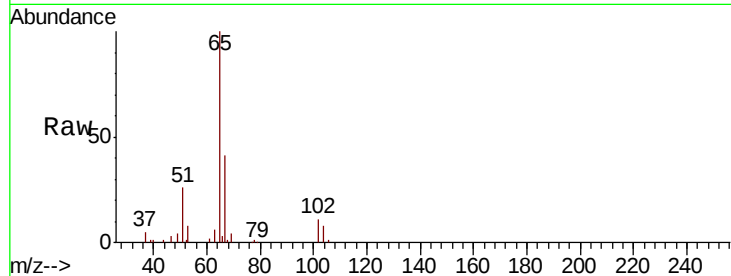
SAMPLE-6

Tot Ion: 65 Resp: 216192

Ion Ratio Lower Upper

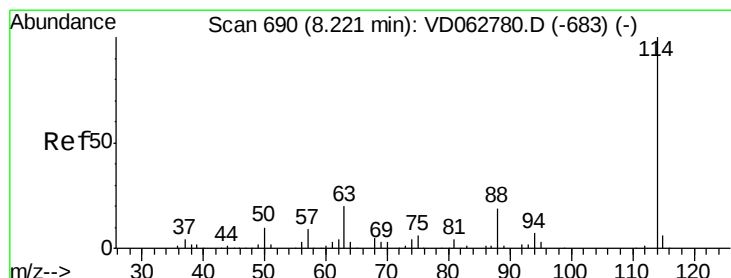
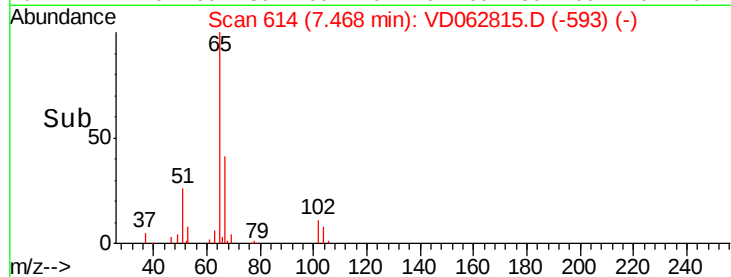
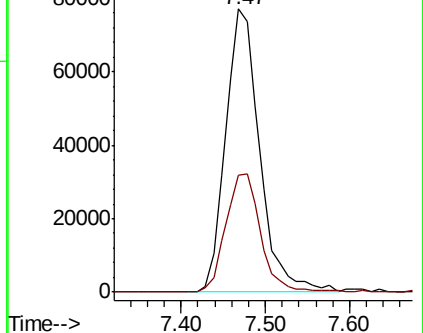
65 100

67 41.3 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: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

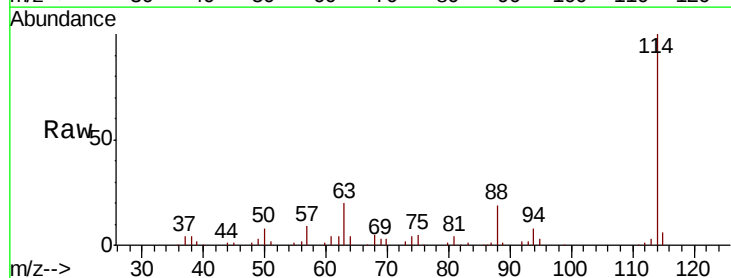
Tgt Ion: 114 Resp: 317049

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

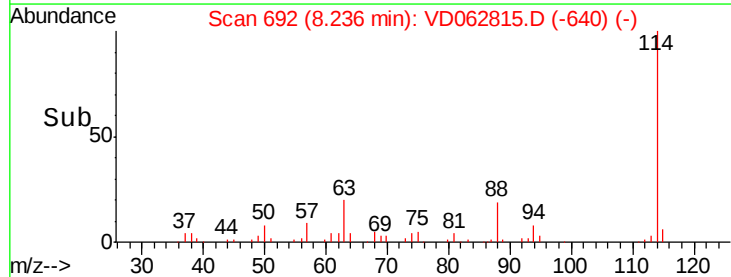
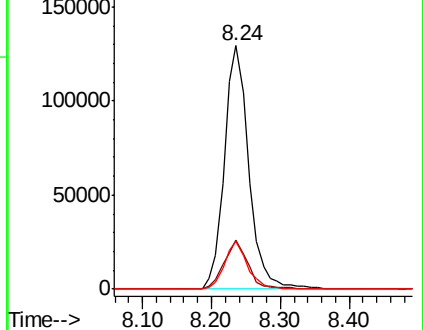
88 19.5 0.0 38.8

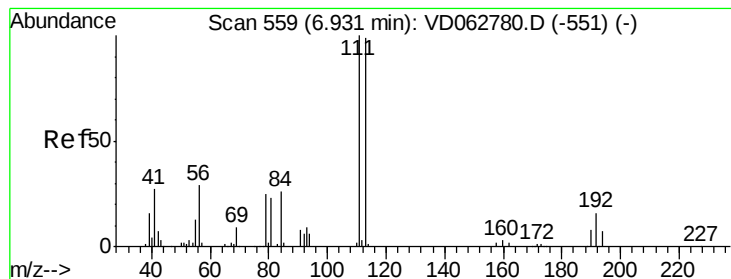


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 65.544 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-6

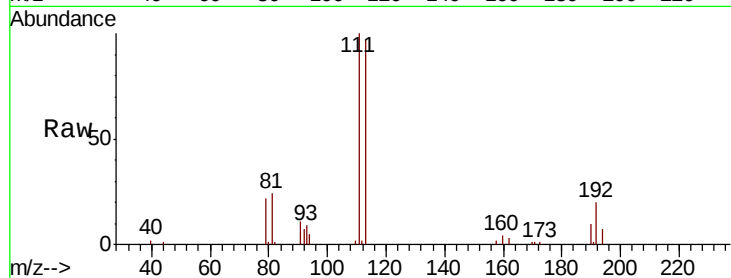
Tot Ion:113 Resp: 175223

Ion Ratio Lower Upper

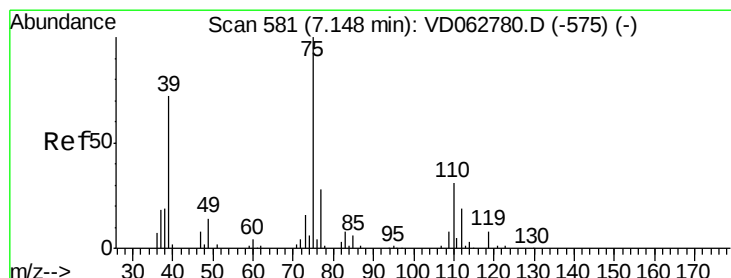
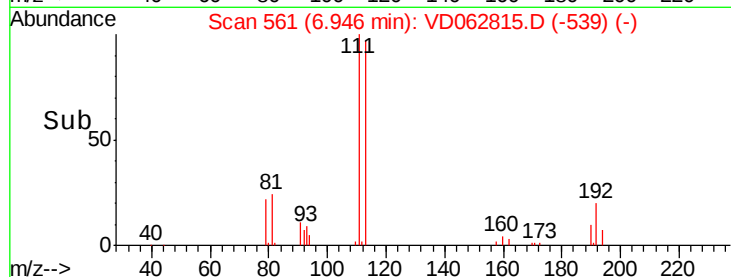
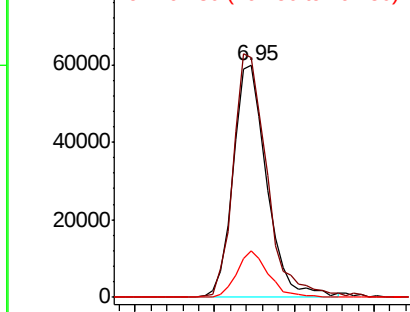
113 100

111 103.5 81.2 121.8

192 20.3 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: 5.630 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

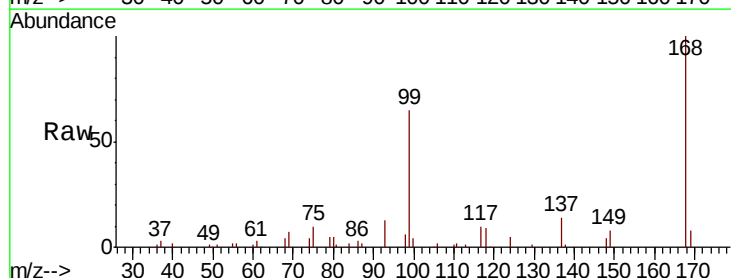
Tgt Ion: 75 Resp: 16896

Ion Ratio Lower Upper

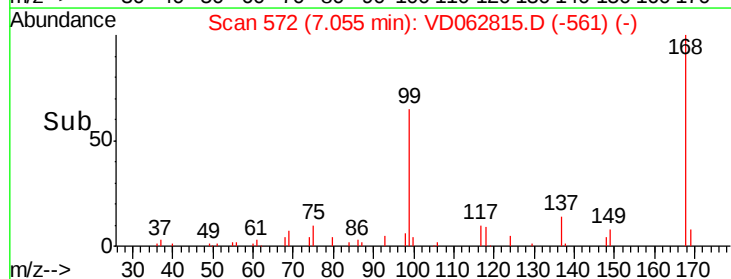
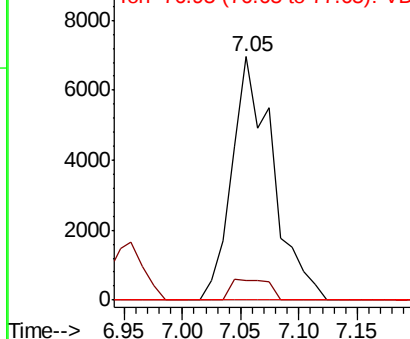
75 100

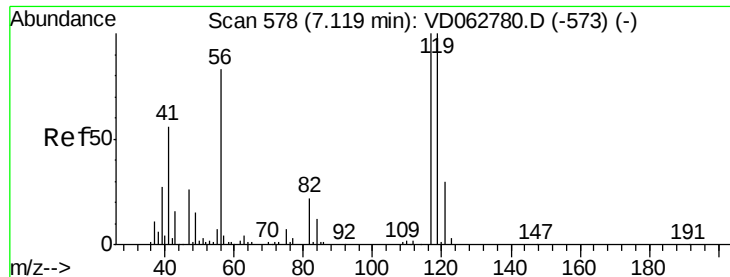
110 8.1 15.0 45.1#

77 0.0 22.2 33.2#



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

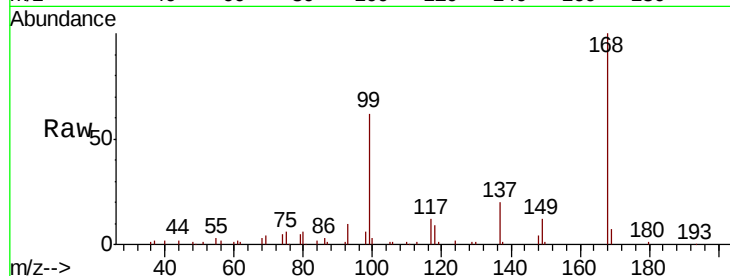




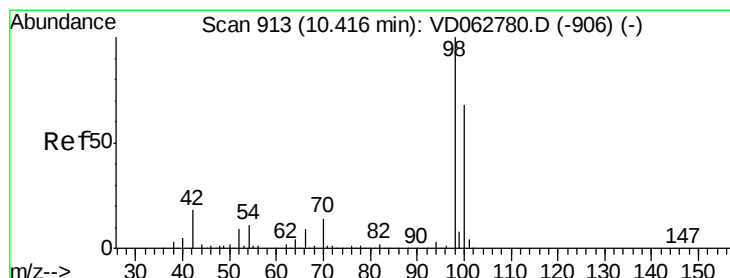
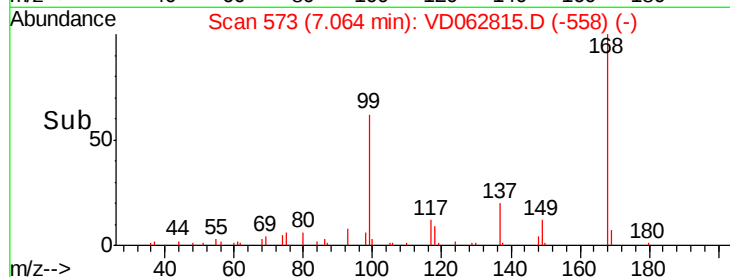
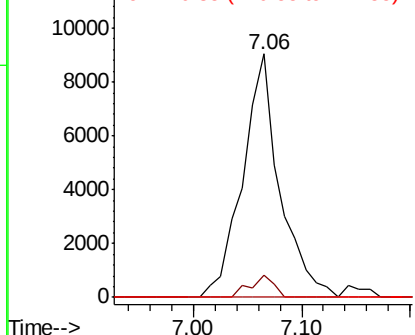
#38
Carbon Tetrachloride
Concen: 4.766 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-6

Tot Ion:117 Resp: 21514
Ion Ratio Lower Upper
117 100
119 8.9 75.4 113.2#
121 0.0 22.3 33.5#

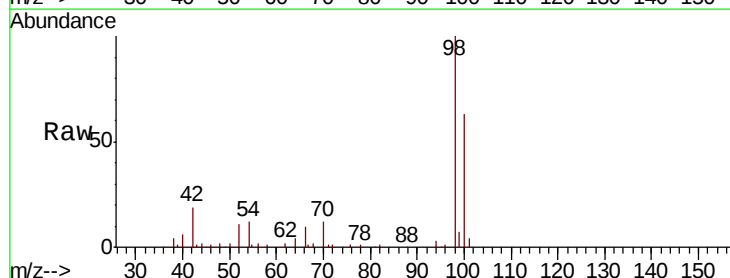


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

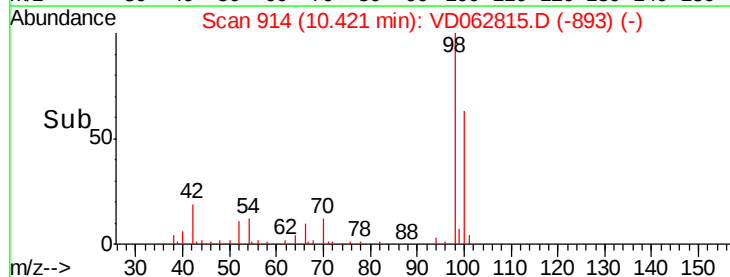
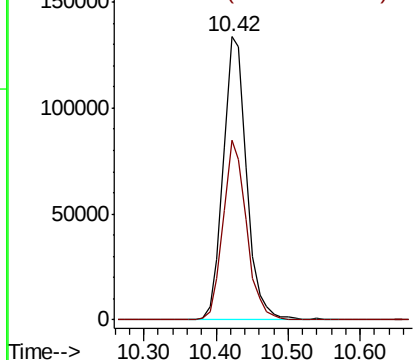


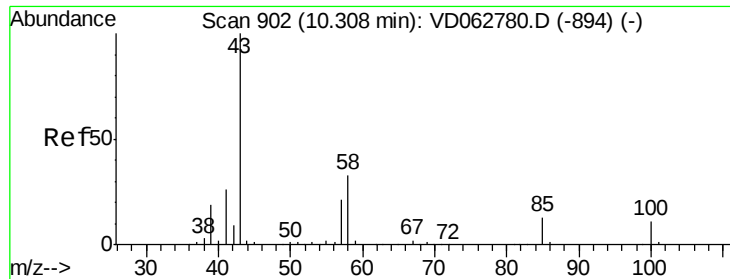
#50
Toluene-d8
Concen: 51.562 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Tgt Ion: 98 Resp: 300009
Ion Ratio Lower Upper
98 100
100 63.3 54.7 82.1



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: 1.692 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.11 min

Lab File: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

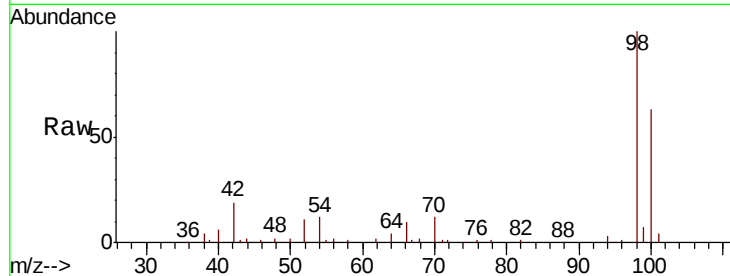
SAMPLE-6

Tot Ion: 43 Resp: 1888

Ion Ratio Lower Upper

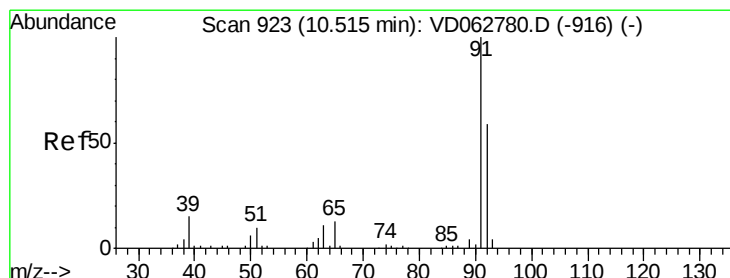
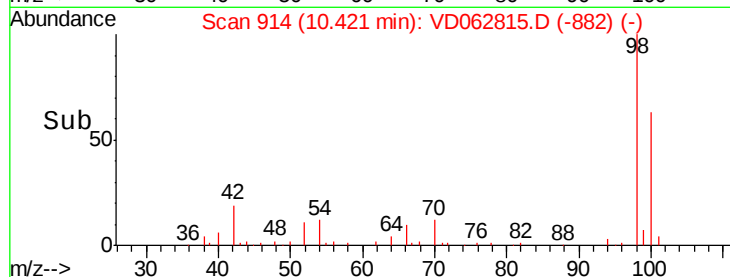
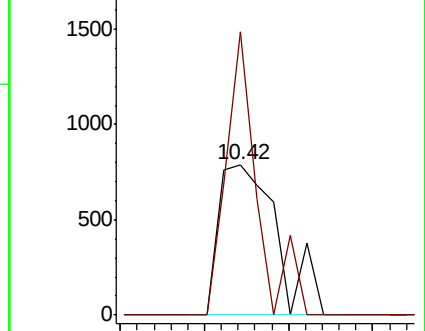
43 100

58 188.0 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.754 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062815.D

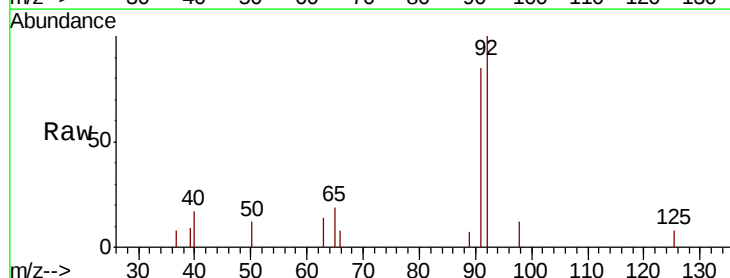
Acq: 21 Jun 2019 14:42

Tgt Ion: 92 Resp: 7105

Ion Ratio Lower Upper

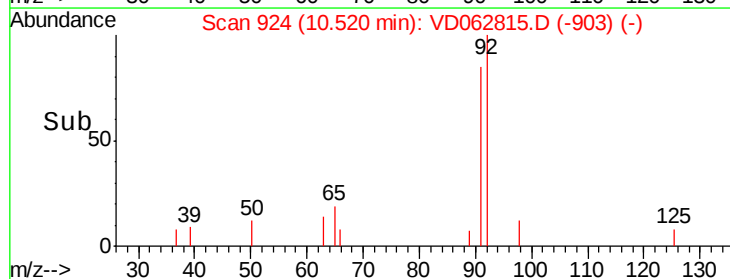
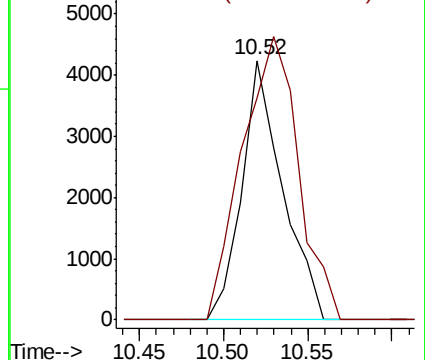
92 100

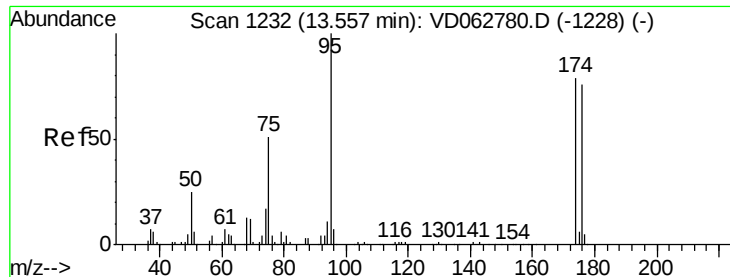
91 85.4 136.3 204.5#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

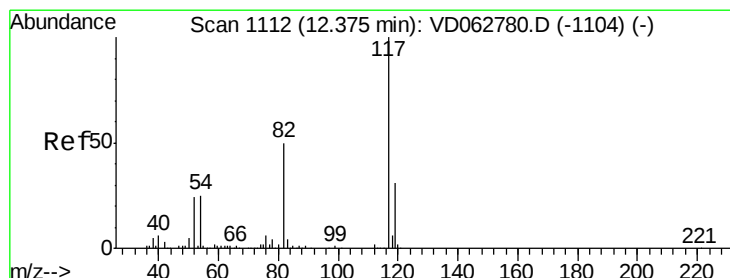
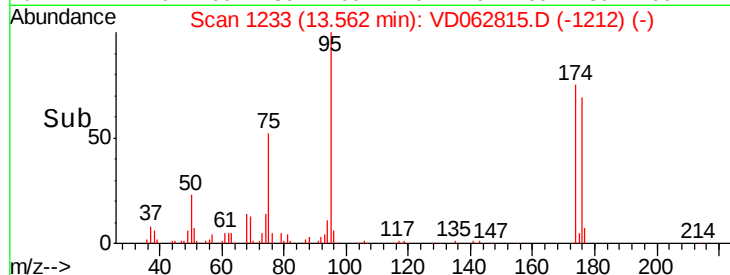
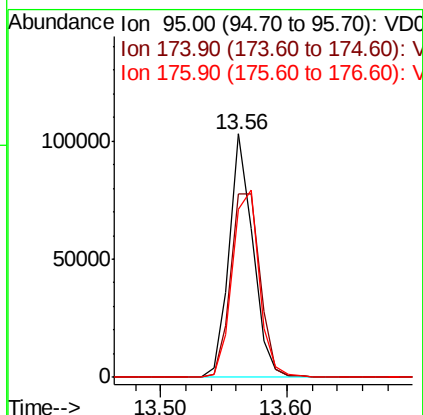
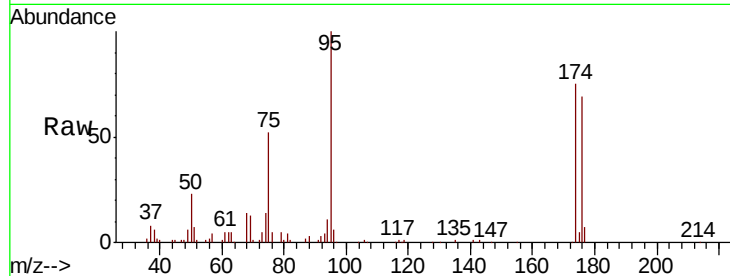




#62
4-Bromofluorobenzene
Concen: 50.528 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

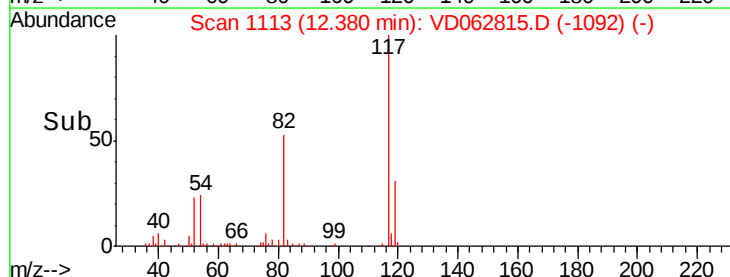
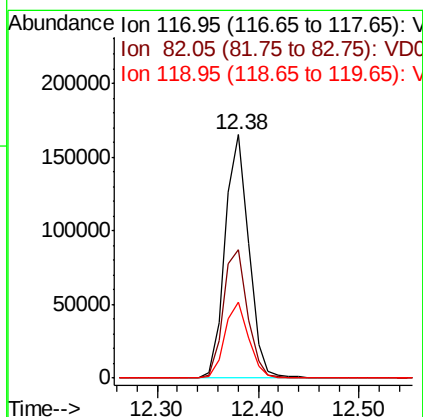
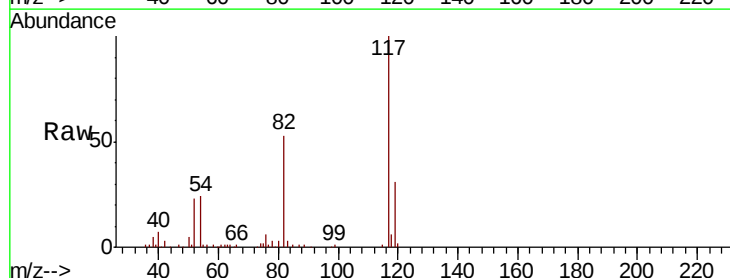
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-6

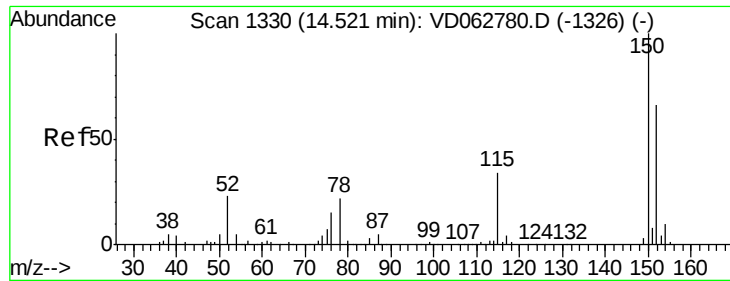
Tot Ion: 95 Resp: 133680
Ion Ratio Lower Upper
95 100
174 75.2 0.0 158.0
176 69.0 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Tgt Ion: 117 Resp: 269676
Ion Ratio Lower Upper
117 100
82 52.9 40.4 60.6
119 31.4 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: VD062815.D

Acq: 21 Jun 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-6

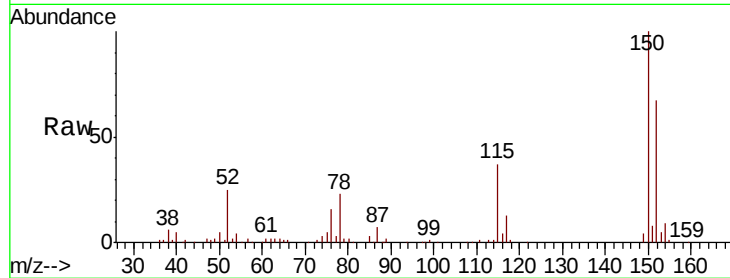
Tot Ion:152 Resp: 120723

Ion Ratio Lower Upper

152 100

115 54.9 29.2 87.6

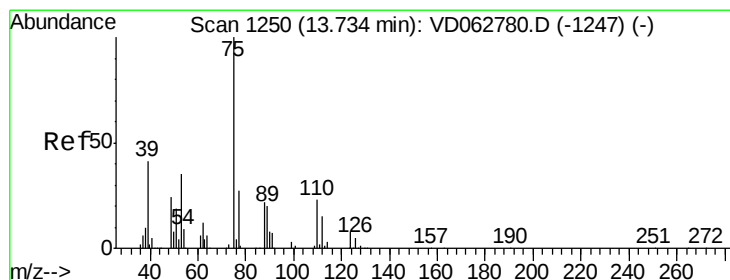
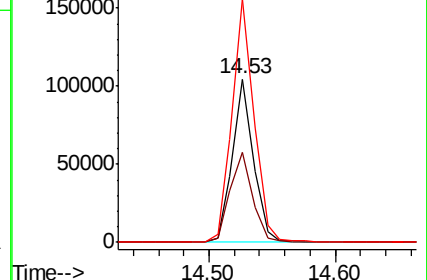
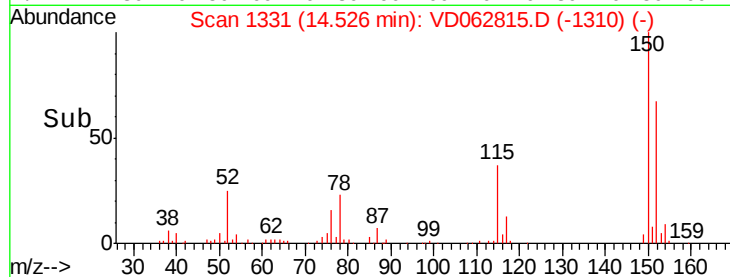
150 148.9 0.0 305.8



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



#76

1,2,3-Trichloropropane

Concen: 37.787 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062815.D

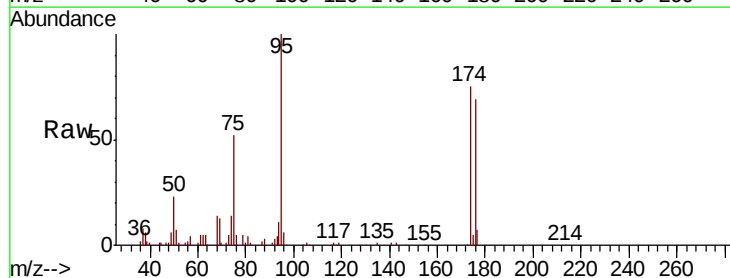
Acq: 21 Jun 2019 14:42

Tgt Ion: 75 Resp: 52662

Ion Ratio Lower Upper

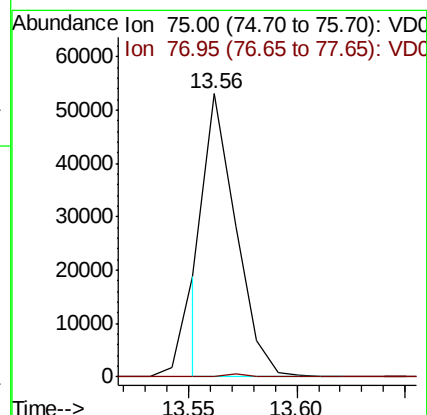
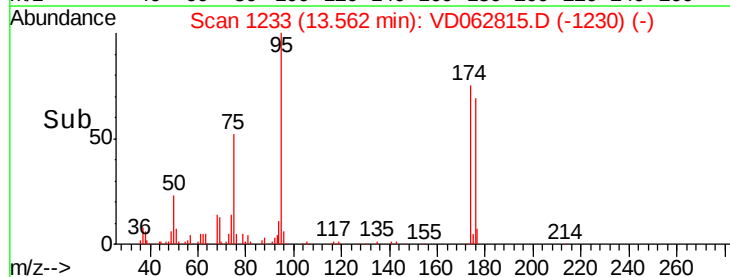
75 100

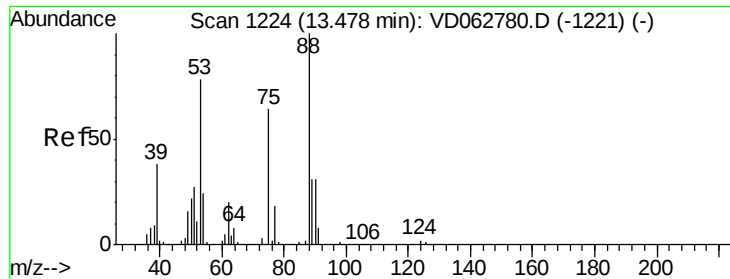
77 0.0 15.0 45.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

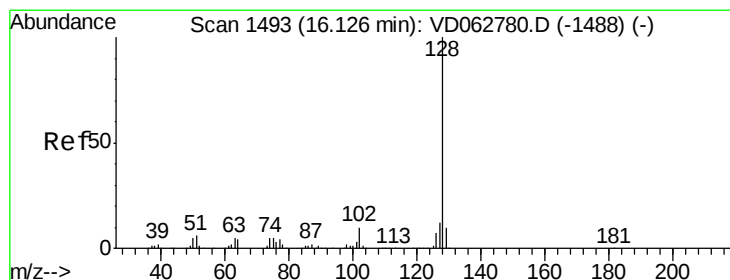
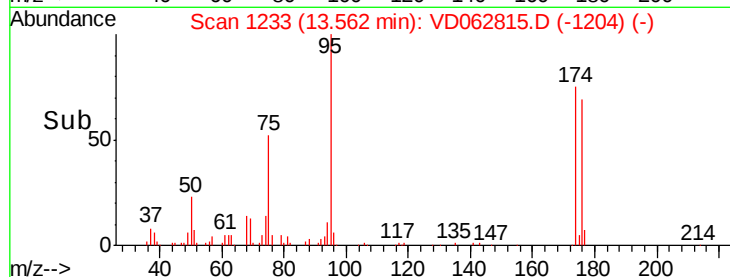
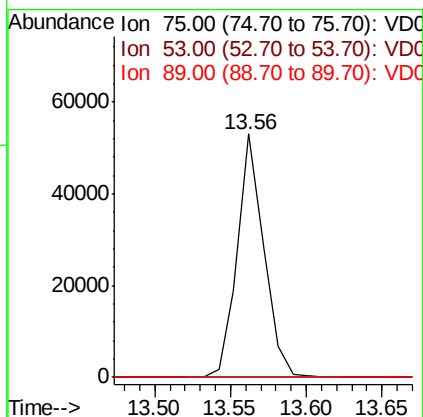
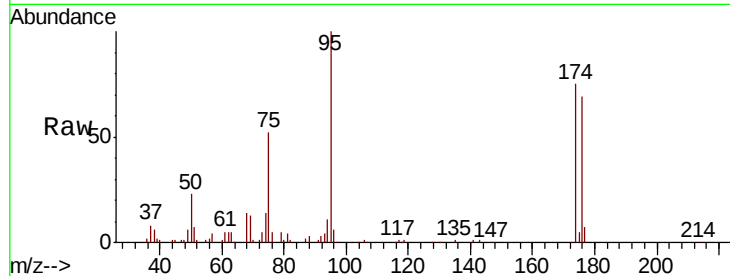




#81
trans-1,4-Dichloro-2-butene
Concen: 177.352 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-6

Tot Ion: 75 Resp: 64779
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



#95
Naphthalene
Concen: 1.636 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062815.D
Acq: 21 Jun 2019 14:42

Tgt Ion:128 Resp: 5719
Ion Ratio Lower Upper
128 100
127 15.0 9.7 14.5#
129 17.5 8.3 12.5#

