

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016467.D
 Acq On : 27 May 2020 23:40
 Operator : JC/SP
 Sample : L2786-01 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LD-C

Quant Time: May 28 03:04:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	346358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	573903	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	571251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	298972	50.00	ug/l	0.00

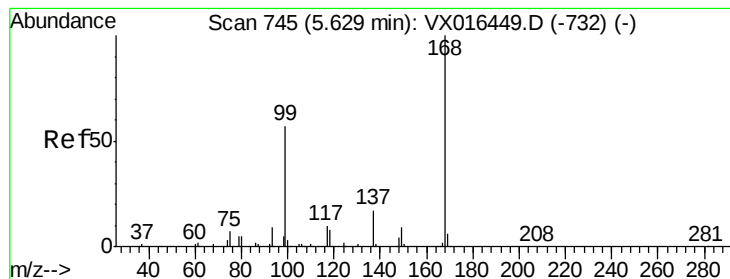
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	204845	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	5.47	113	169511	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	8.70	98	713914	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.12	95	298450	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	

Target Compounds

						Qvalue
10) Methyl Iodide	2.50	142	261	3.120	ug/l #	83
11) Tert butyl alcohol	3.00	59	1556	1.411	ug/l #	76
13) Acrolein	2.28	56	527	1.123	ug/l	89
16) Acetone	2.42	43	20395	10.822	ug/l	97
17) Carbon Disulfide	2.55	76	1626423	164.336	ug/l	99
18) Methyl Acetate	2.75	43	1823	0.377	ug/l #	89
25) 2-Butanone	4.65	43	4215	1.320	ug/l #	87
29) Tetrahydrofuran	5.09	42	446	0.216	ug/l #	87
31) Cyclohexane	5.64	56	6417	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	26698	4.913	ug/l #	50
38) Carbon Tetrachloride	5.63	117	33206	5.815	ug/l #	16
40) Benzene	6.11	78	6112	0.378	ug/l	98
52) Toluene	8.77	92	4894	0.480	ug/l	100
67) Ethyl Benzene	10.23	91	4255	0.205	ug/l	95
68) m/p-Xylenes	10.34	106	4542	0.591	ug/l	94
69) o-Xylene	10.68	106	1798	0.241	ug/l	86
76) 1,2,3-Trichloropropane	11.12	75	142402	21.669	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	142402	53.304	ug/l #	14
95) Naphthalene	13.82	128	60242	2.901	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

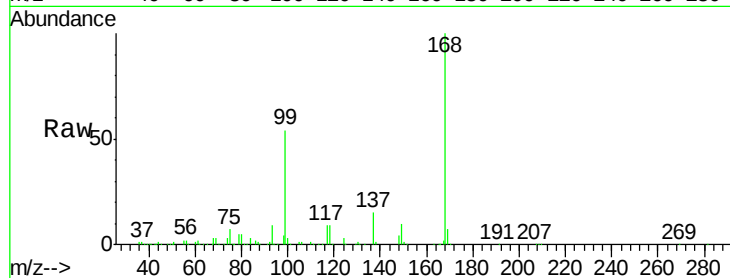
LD-C

Tot Ion:168 Resp: 346358

Ion Ratio Lower Upper

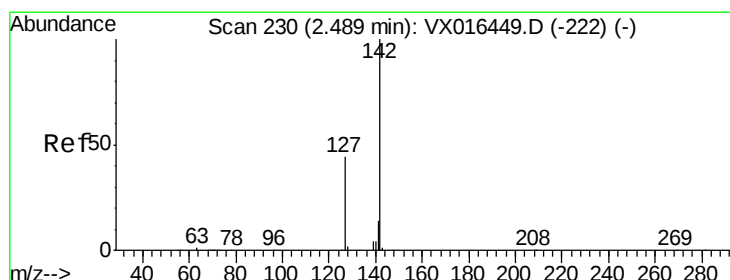
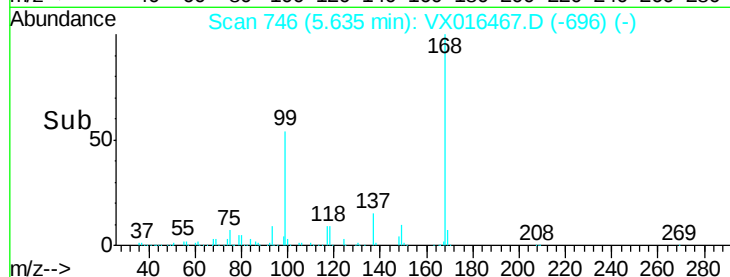
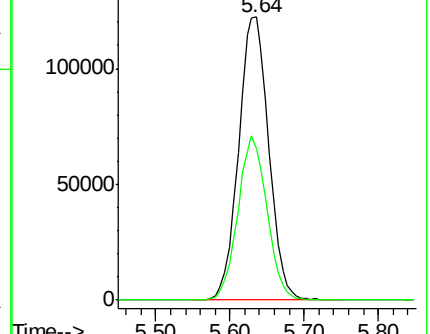
168 100

99 53.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 3.120 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

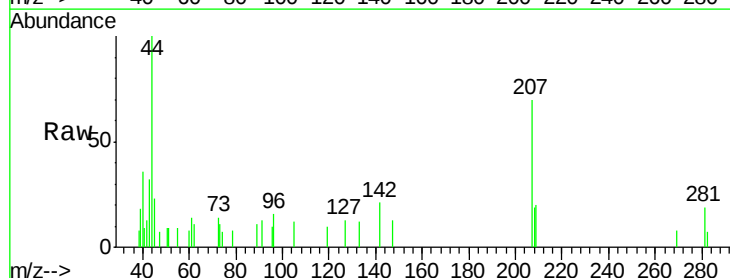
Tgt Ion:142 Resp: 261

Ion Ratio Lower Upper

142 100

127 37.2 35.3 52.9

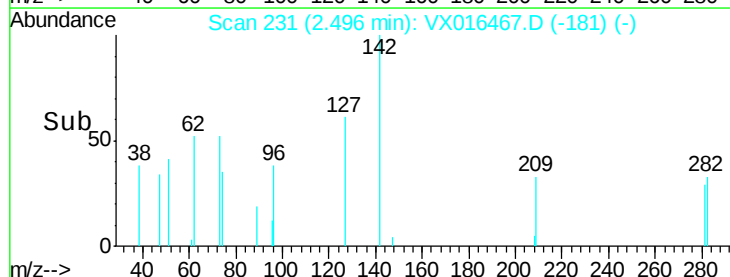
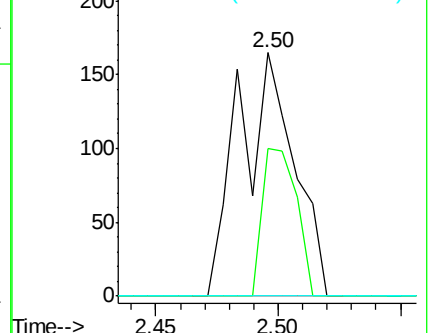
141 0.0 11.4 17.2#

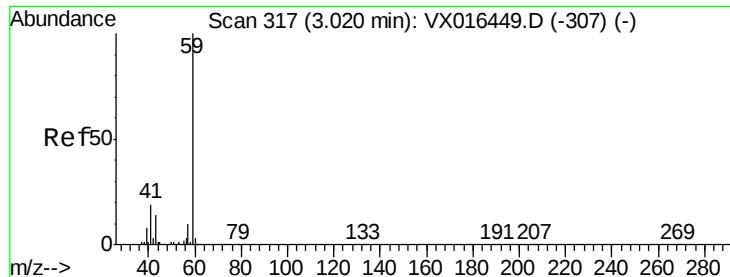


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



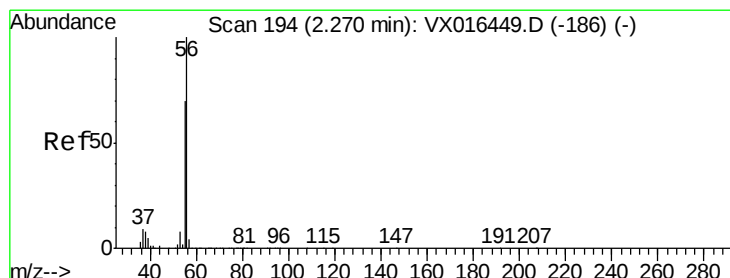
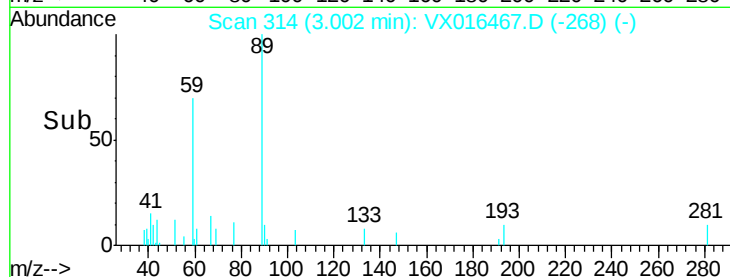
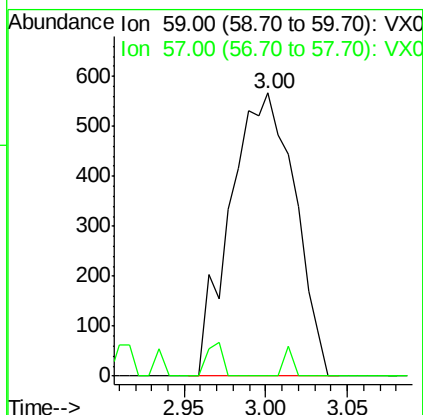
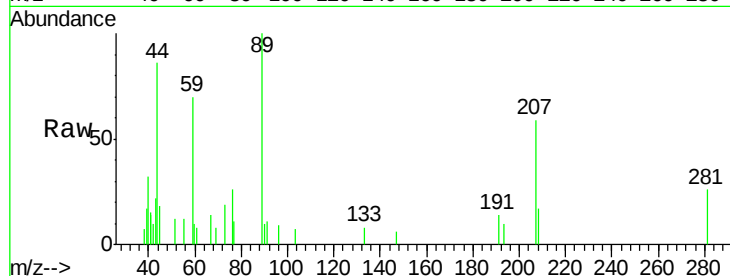


#11

Tert butvl alcohol
 Concen: 1.411 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016467.D
 Acq: 27 May 2020 23:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LD-C

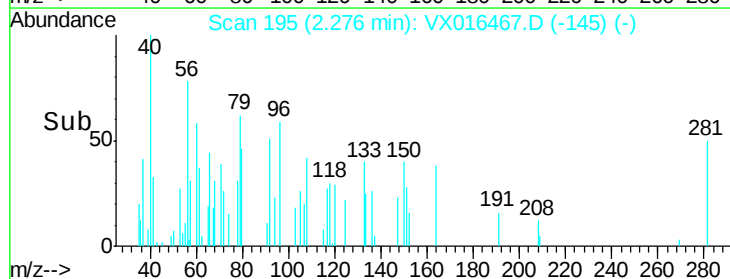
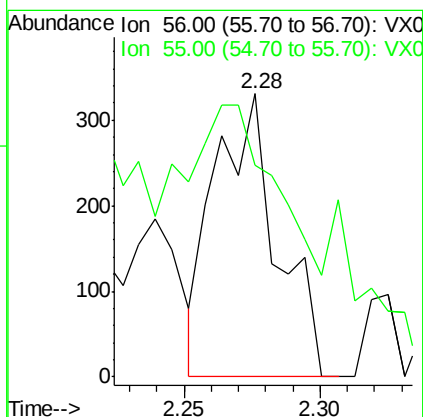
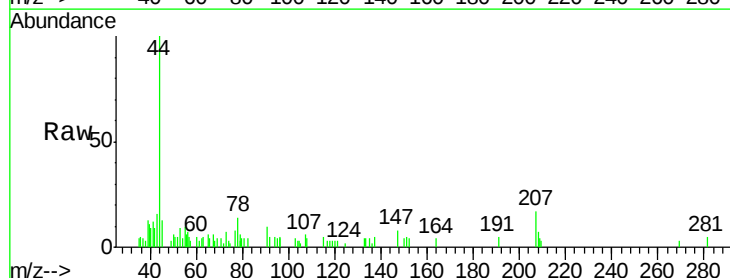
Tot Ion: 59 Resp: 1556
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.4#

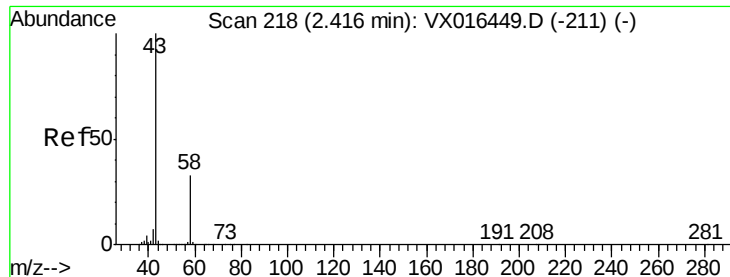


#13

Acrolein
 Concen: 1.123 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016467.D
 Acq: 27 May 2020 23:40

Tgt Ion: 56 Resp: 527
 Ion Ratio Lower Upper
 56 100
 55 63.8 58.3 87.5





#16

Acetone

Concen: 10.822 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

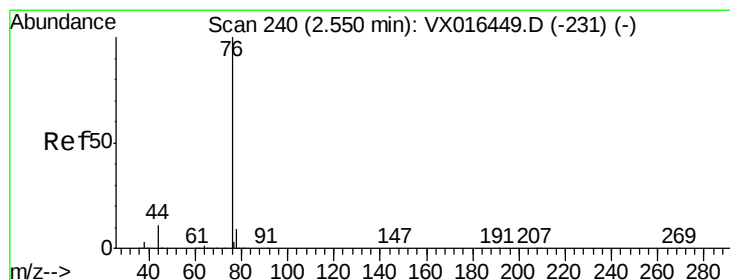
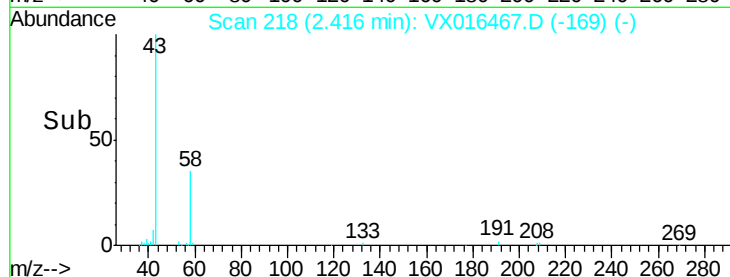
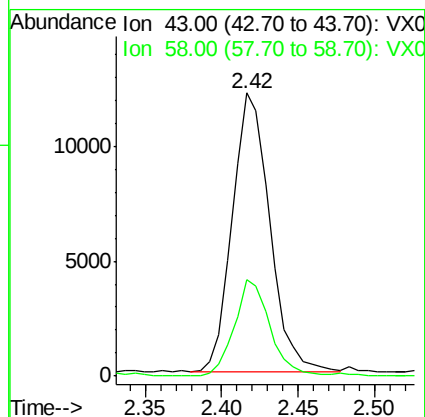
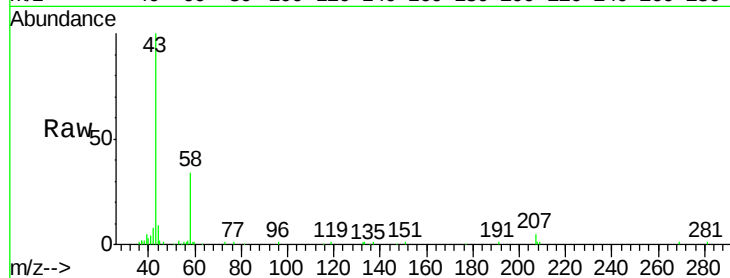
LD-C

Tot Ion: 43 Resp: 20395

Ion Ratio Lower Upper

43 100

58 34.6 26.1 39.1



#17

Carbon Disulfide

Concen: 164.336 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016467.D

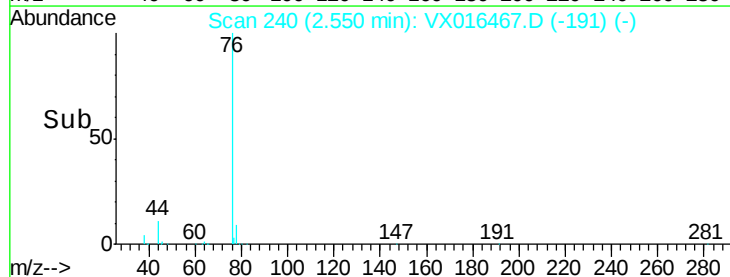
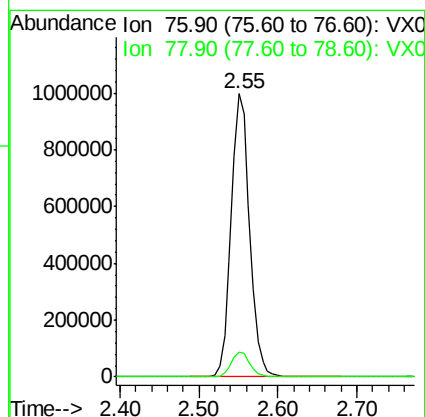
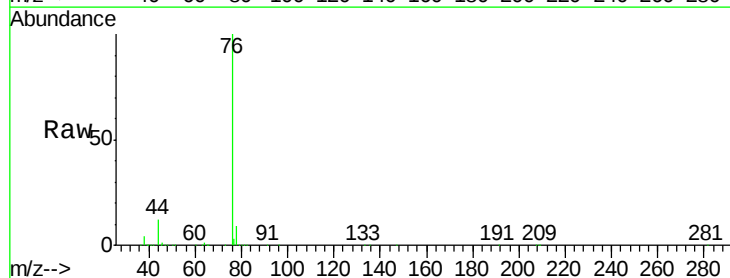
Acq: 27 May 2020 23:40

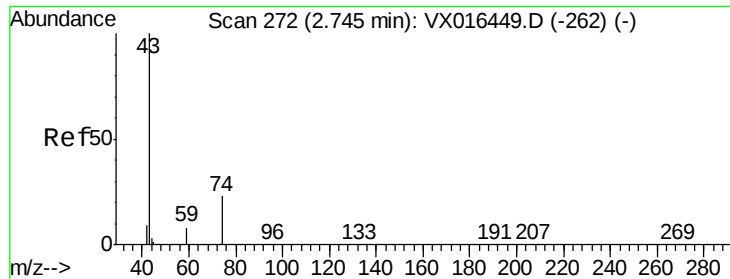
Tgt Ion: 76 Resp: 1626423

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

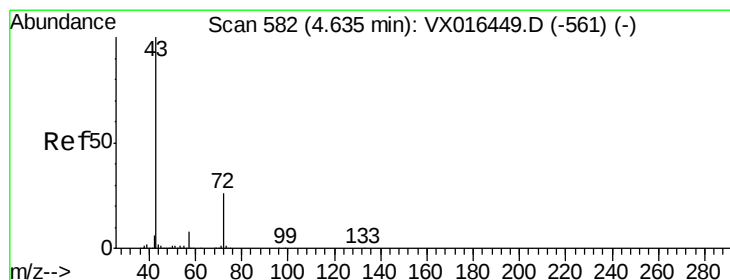
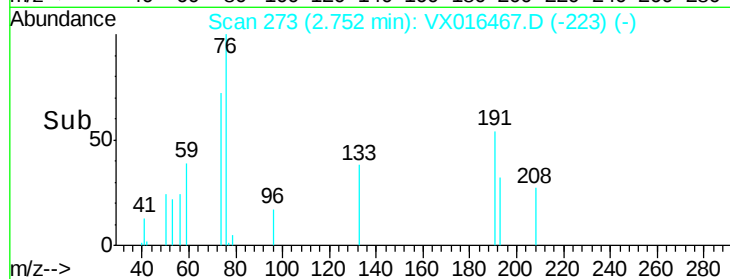
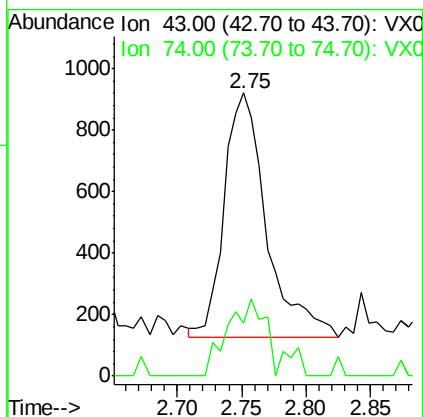
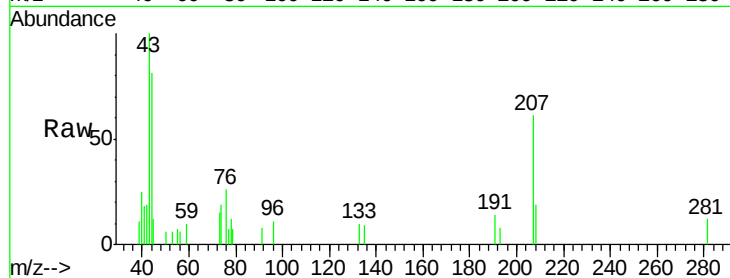




#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016467.D
Acq: 27 May 2020 23:40

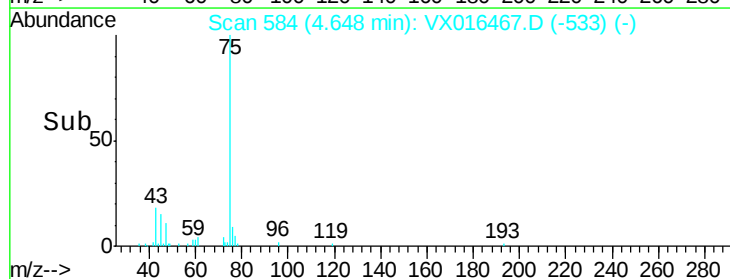
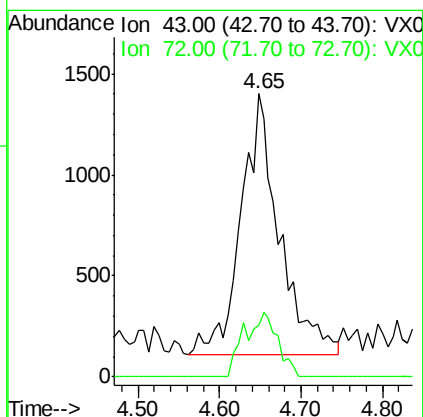
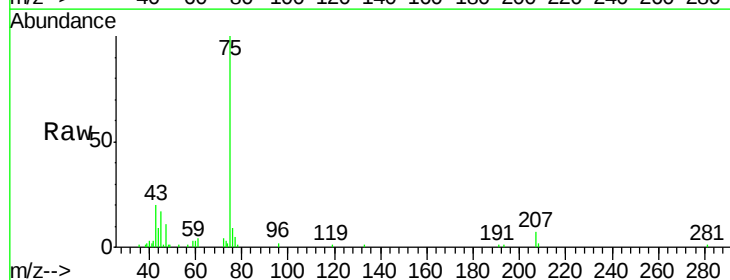
Instrument :
MSVOA_X
ClientSampled :
LD-C

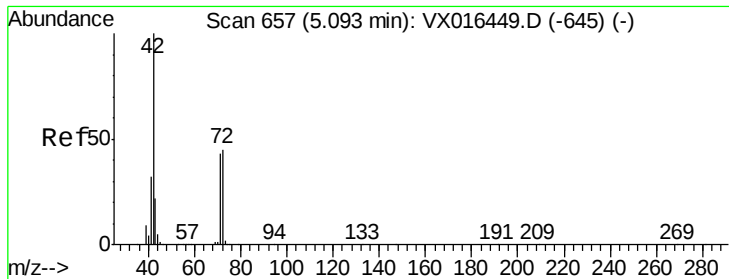
Tot Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
74 30.2 19.7 29.5#



#25
2-Butanone
Concen: 1.320 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016467.D
Acq: 27 May 2020 23:40

Tgt Ion: 43 Resp: 4215
Ion Ratio Lower Upper
43 100
72 19.6 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

LD-C

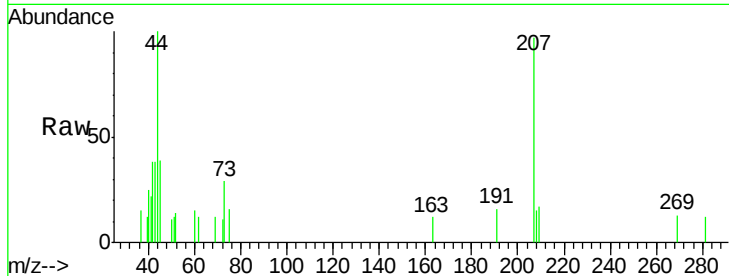
Tot Ion: 42 Resp: 446

Ion Ratio Lower Upper

42 100

72 34.8 37.0 55.4#

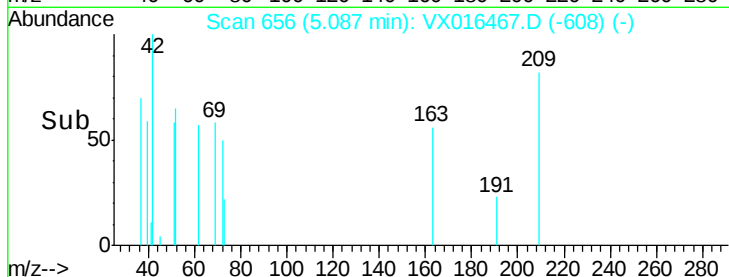
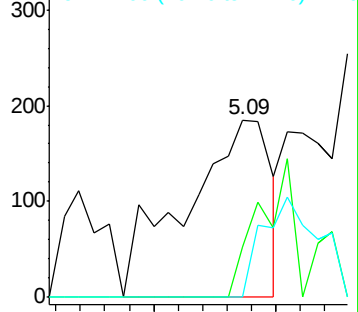
71 37.2 34.1 51.1



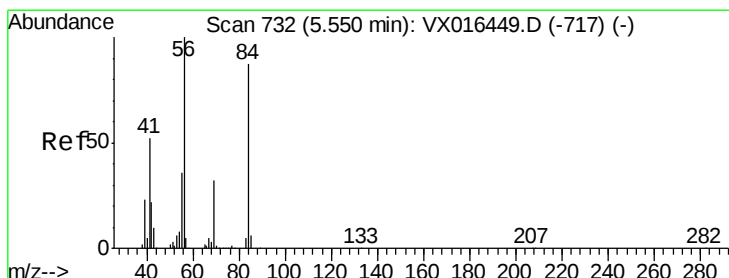
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

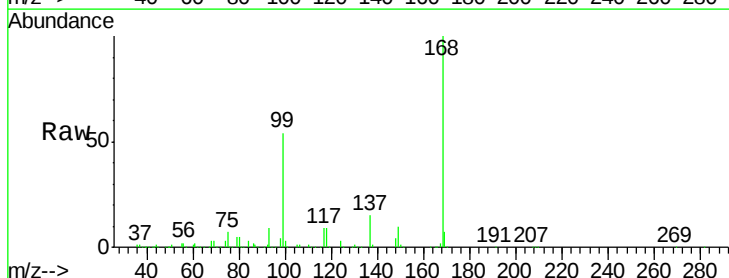
Tgt Ion: 56 Resp: 6417

Ion Ratio Lower Upper

56 100

69 184.2 25.7 38.5#

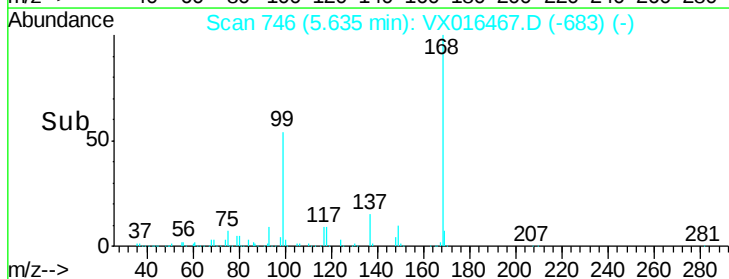
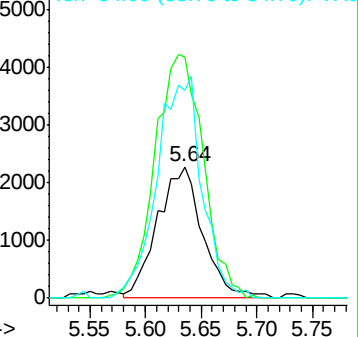
84 158.3 70.0 105.0#

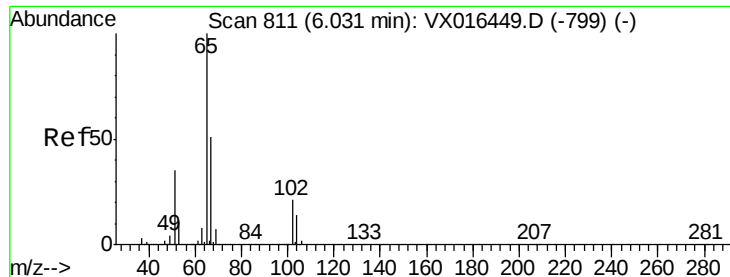


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.624 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

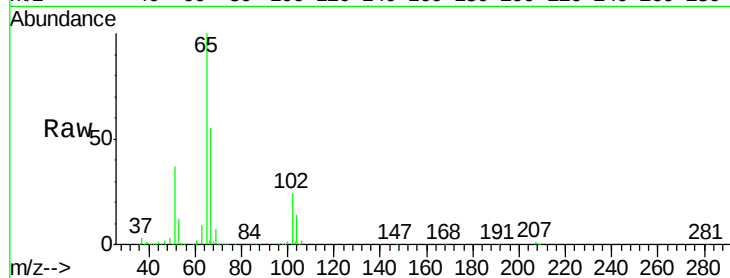
LD-C

Tot Ion: 65 Resp: 204845

Ion Ratio Lower Upper

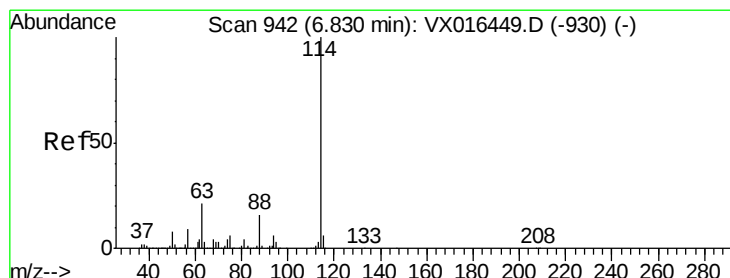
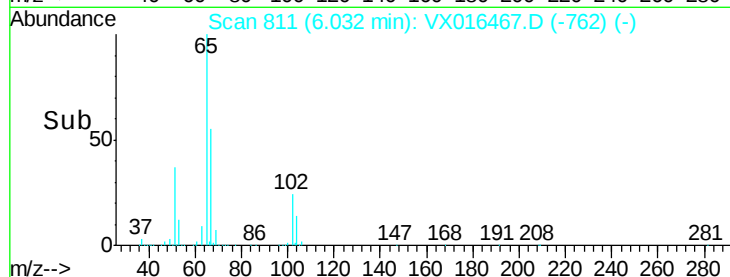
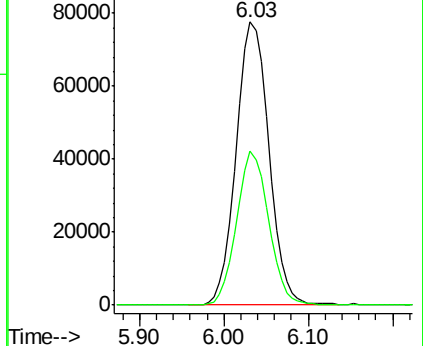
65 100

67 52.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

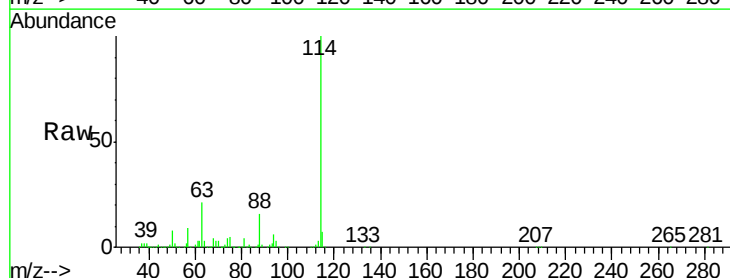
Tgt Ion: 114 Resp: 573903

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

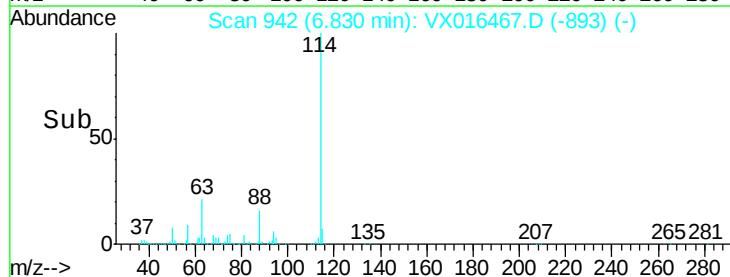
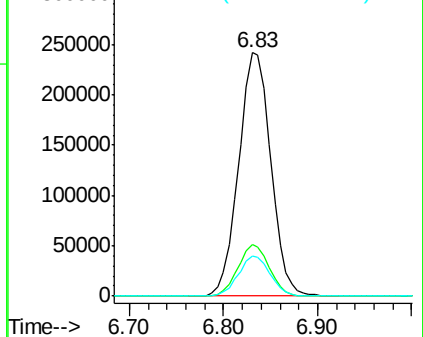
88 16.4 0.0 32.8

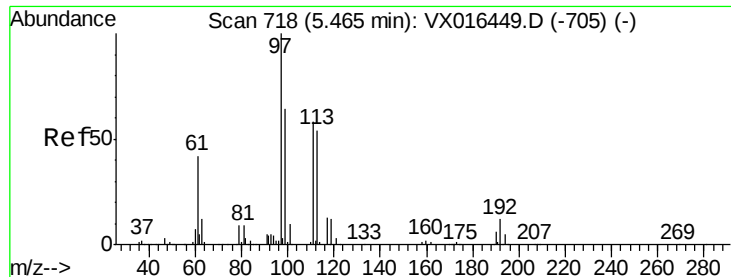


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

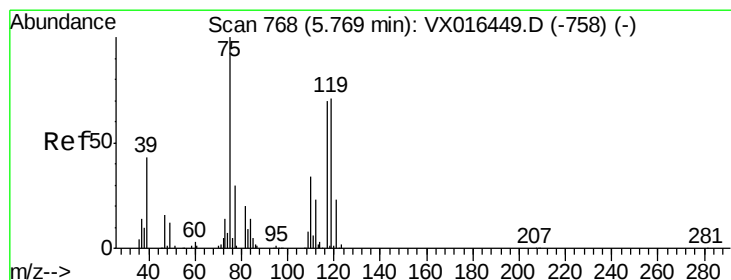
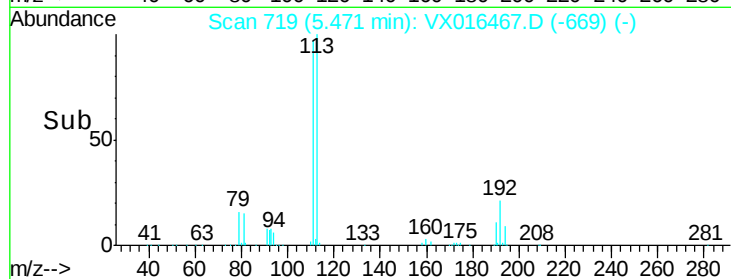
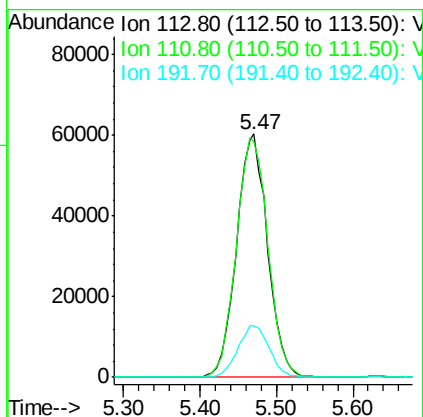
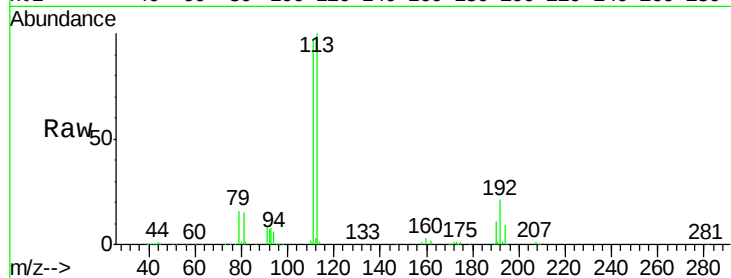




#35
 Dibromofluoromethane
 Concen: 47.969 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016467.D
 Acq: 27 May 2020 23:40

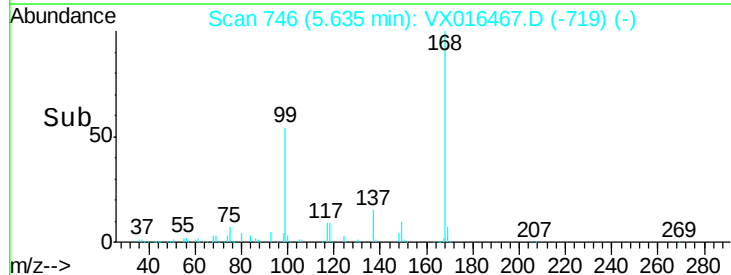
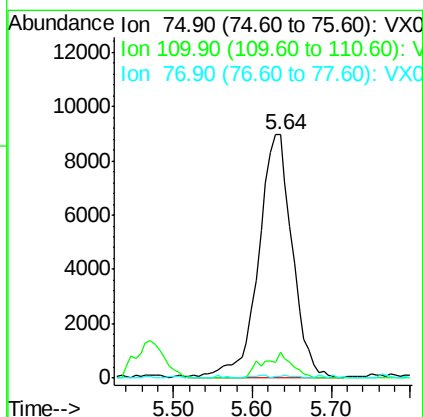
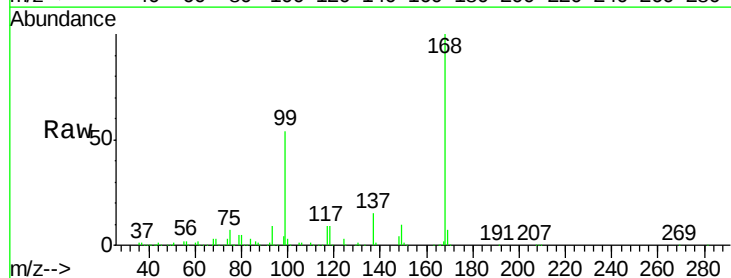
Instrument :
 MSVOA_X
 ClientSampleId :
 LD-C

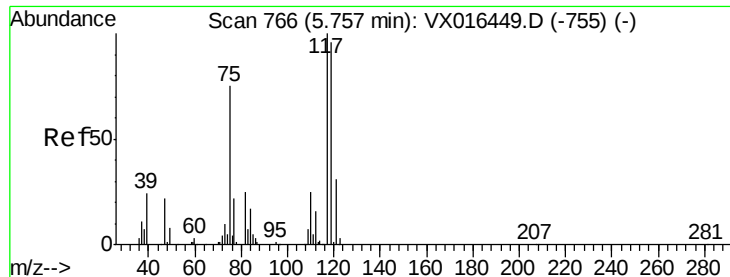
Tot Ion:113 Resp: 169511
 Ion Ratio Lower Upper
 113 100
 111 100.6 83.0 124.6
 192 21.7 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016467.D
 Acq: 27 May 2020 23:40

Tgt Ion: 75 Resp: 26698
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.3#
 77 0.6 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

LD-C

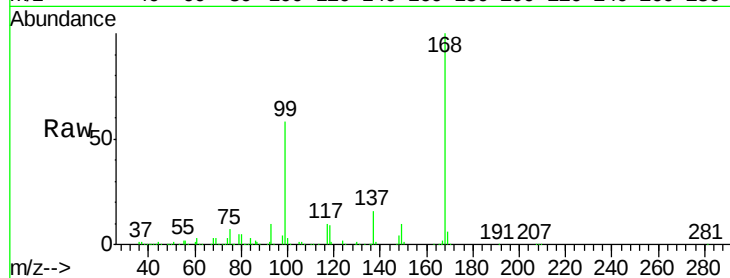
Tot Ion:117 Resp: 33206

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

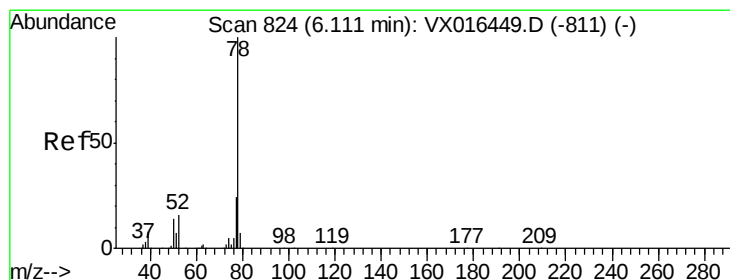
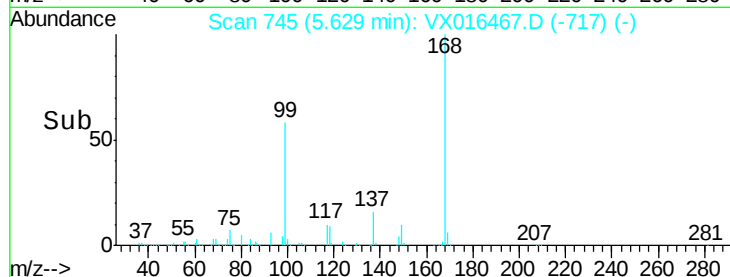
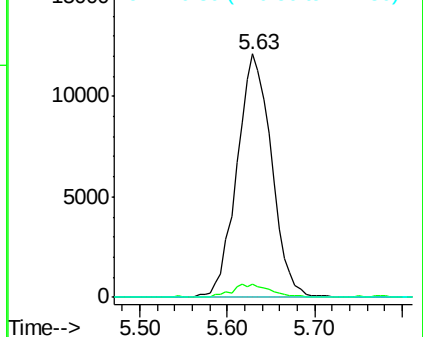
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.378 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX016467.D

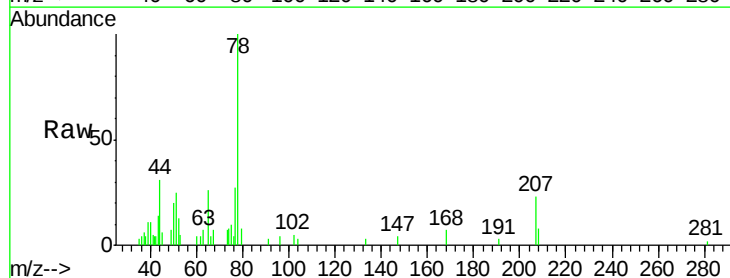
Acq: 27 May 2020 23:40

Tgt Ion: 78 Resp: 6112

Ion Ratio Lower Upper

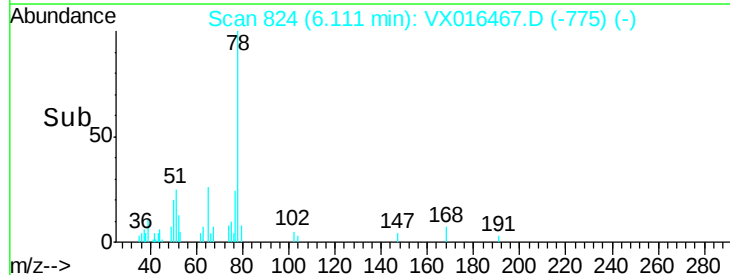
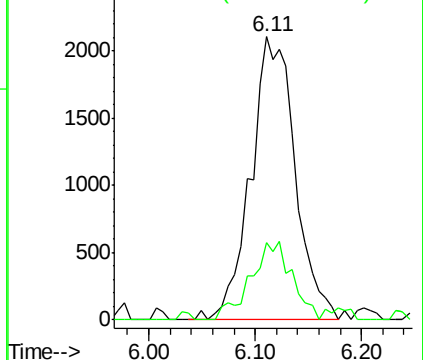
78 100

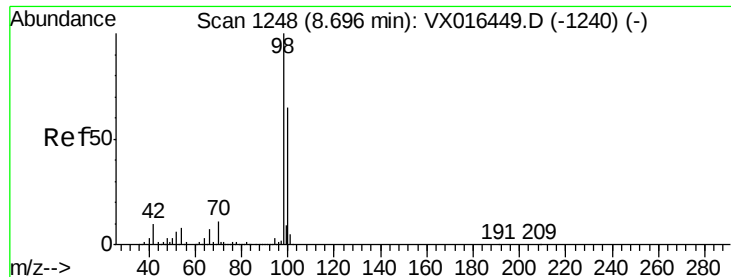
77 24.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 51.905 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

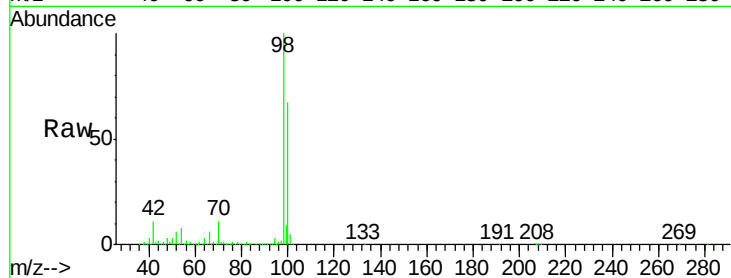
LD-C

Tot Ion: 98 Resp: 713914

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

500000

400000

300000

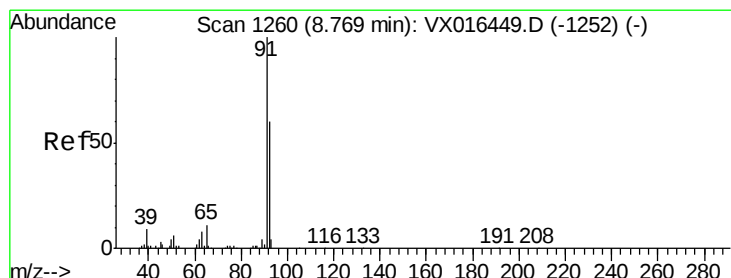
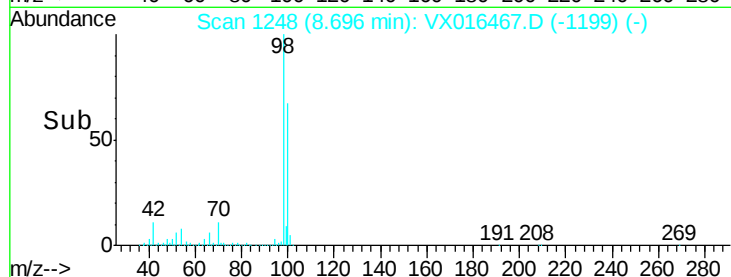
200000

100000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#52

Toluene

Concen: 0.480 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016467.D

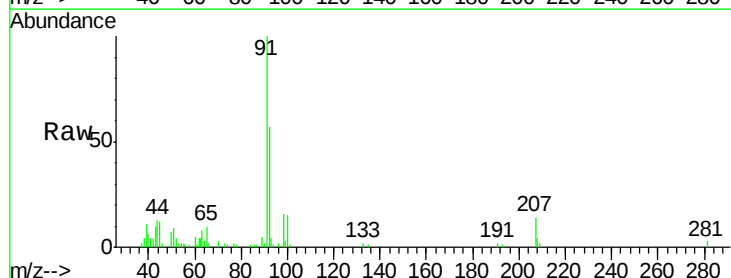
Acq: 27 May 2020 23:40

Tgt Ion: 92 Resp: 4894

Ion Ratio Lower Upper

92 100

91 168.3 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

6000

5000

4000

3000

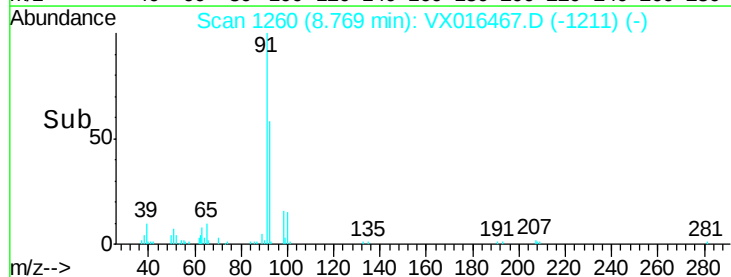
2000

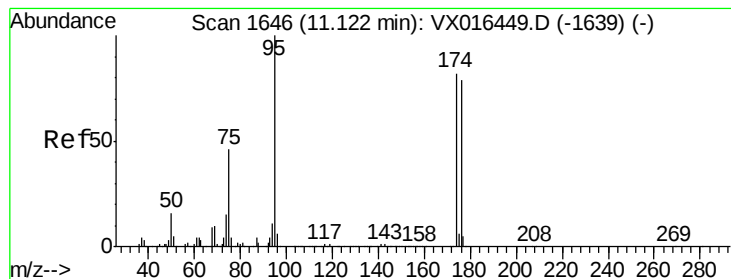
1000

0

Time-->

8.70 8.75 8.80





#62

4-Bromofluorobenzene

Concen: 56.156 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

LD-C

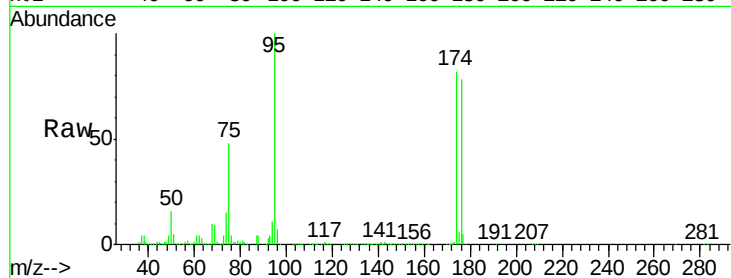
Tot Ion: 95 Resp: 298450

Ion Ratio Lower Upper

95 100

174 79.3 0.0 163.0

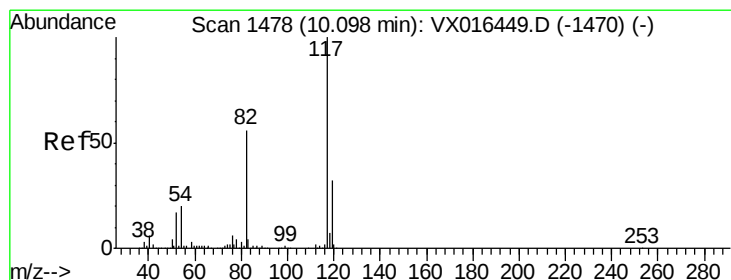
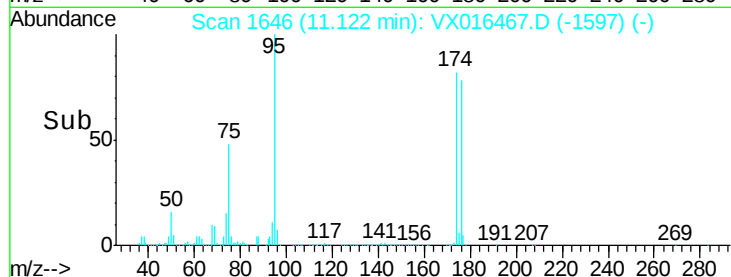
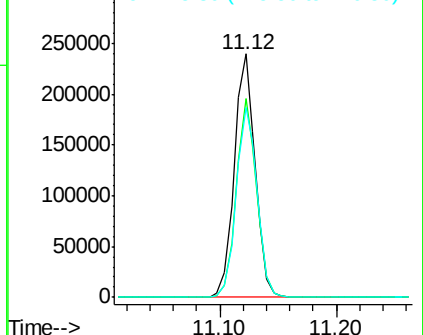
176 78.3 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

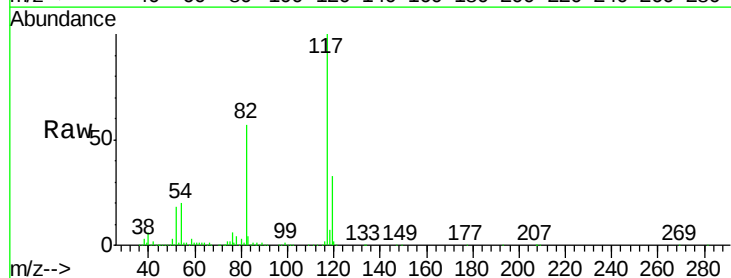
Tgt Ion: 117 Resp: 571251

Ion Ratio Lower Upper

117 100

82 57.4 45.0 67.6

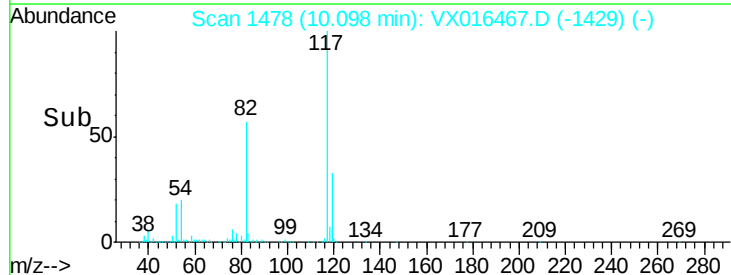
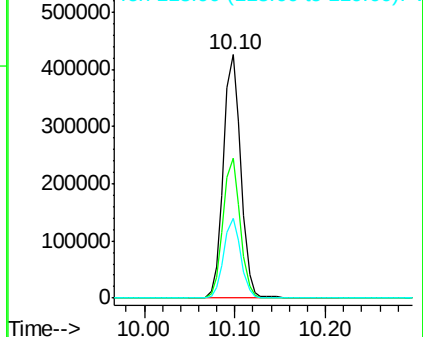
119 32.5 25.8 38.8

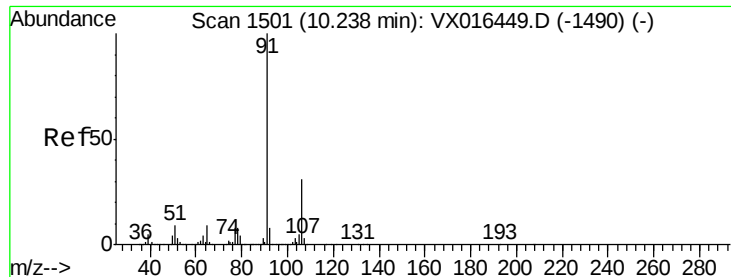


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.205 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

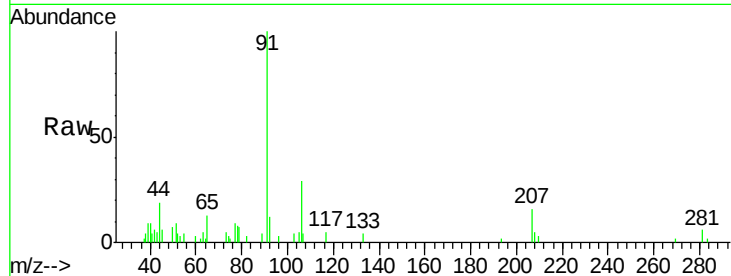
LD-C

Tot Ion: 91 Resp: 4255

Ion Ratio Lower Upper

91 100

106 28.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.23

3000

2000

1000

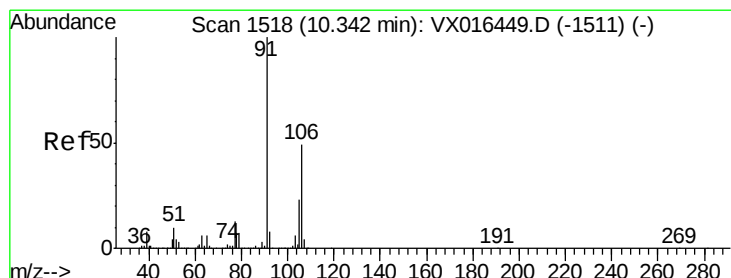
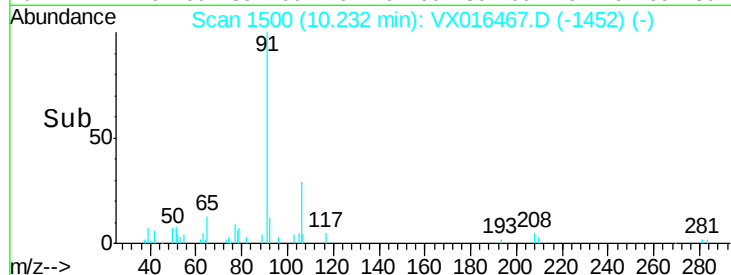
0

Time-->

10.20

10.25

10.30



#68

m/p-Xylenes

Concen: 0.591 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016467.D

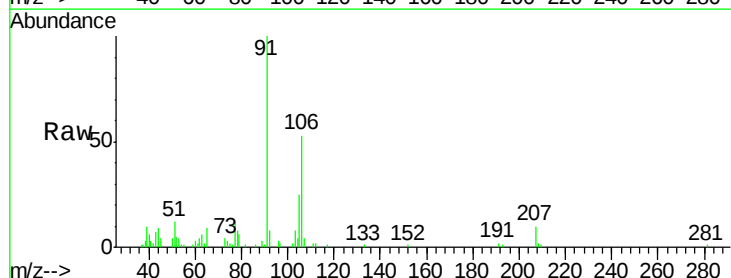
Acq: 27 May 2020 23:40

Tgt Ion: 106 Resp: 4542

Ion Ratio Lower Upper

106 100

91 195.3 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.34

6000

4000

2000

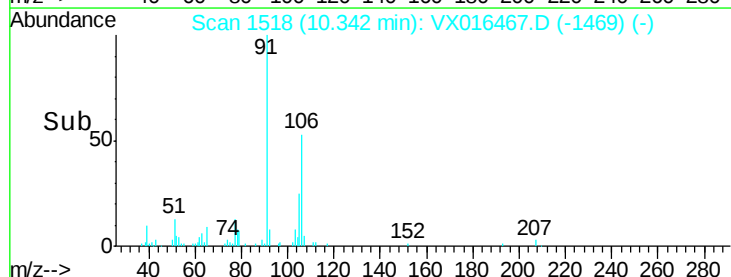
0

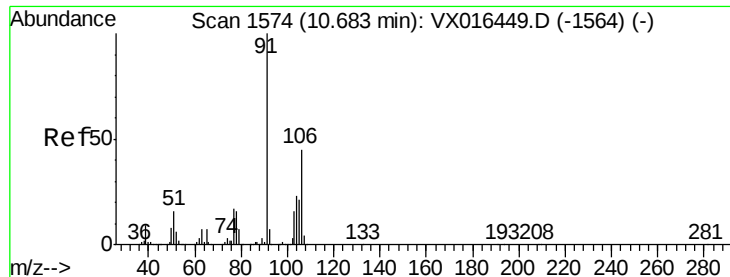
Time-->

10.30

10.35

10.40

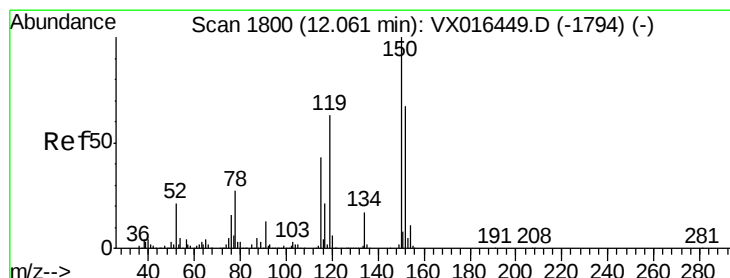
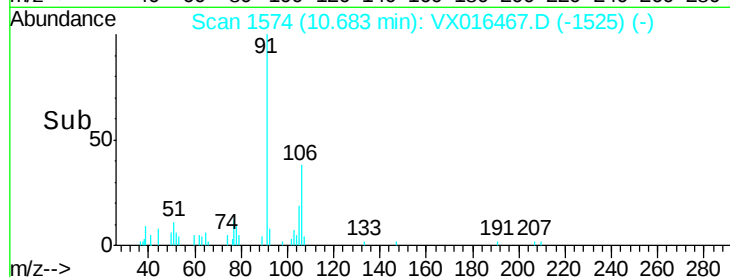
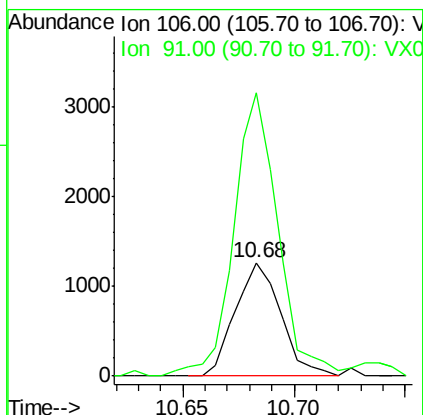
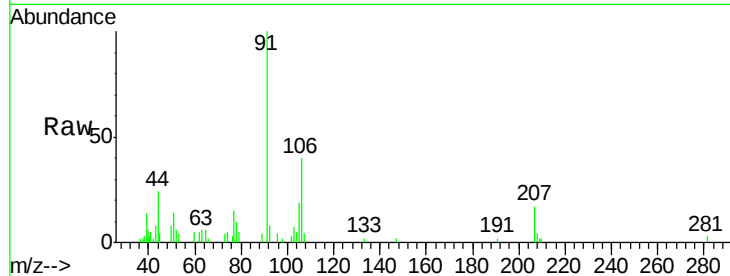




#69
o-Xylene
Concen: 0.241 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016467.D
Acq: 27 May 2020 23:40

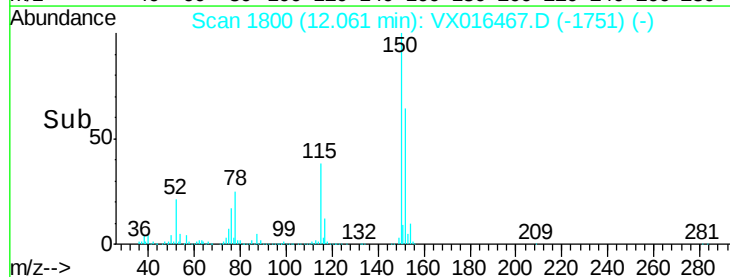
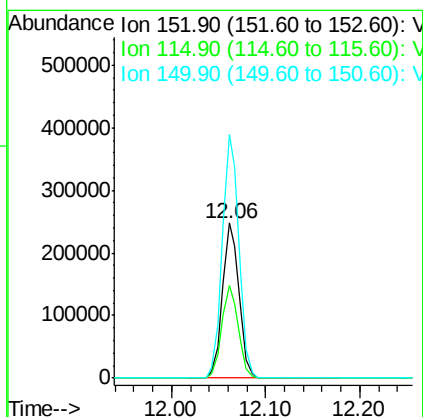
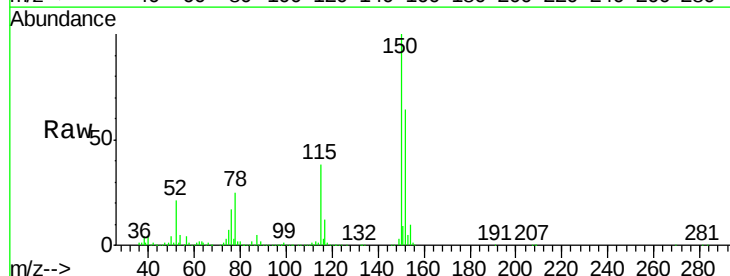
Instrument :
MSVOA_X
ClientSampleId :
LD-C

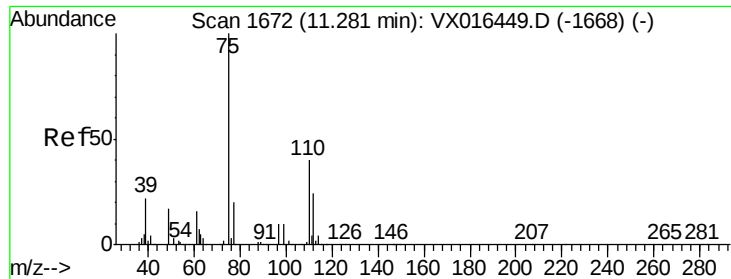
Tot Ion:106 Resp: 1798
Ion Ratio Lower Upper
106 100
91 241.9 109.6 328.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016467.D
Acq: 27 May 2020 23:40

Tgt Ion:152 Resp: 298972
Ion Ratio Lower Upper
152 100
115 59.6 39.9 119.6
150 158.2 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.669 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

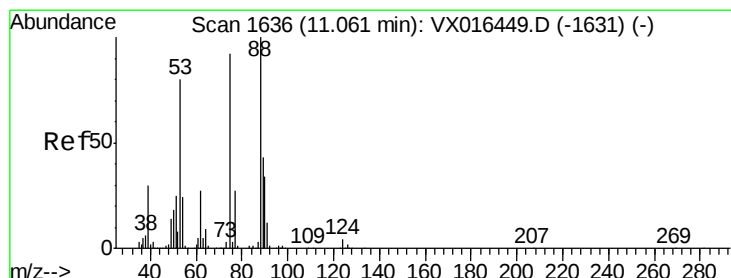
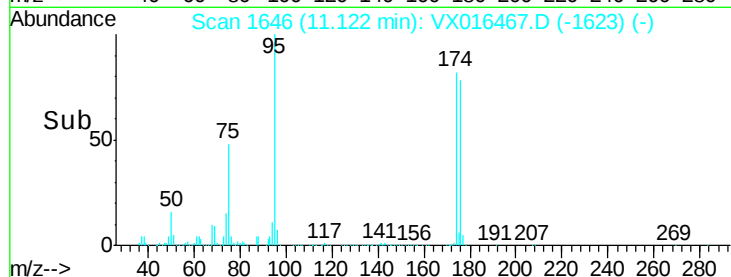
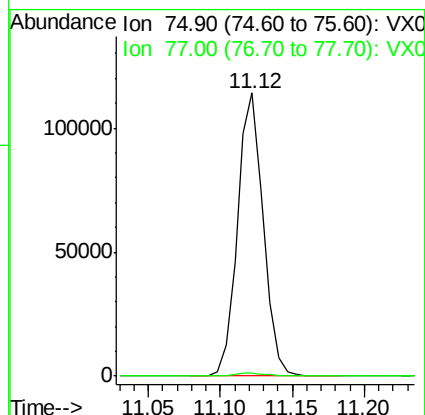
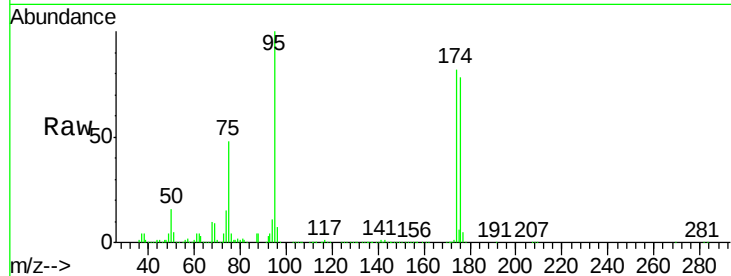
LD-C

Tot Ion: 75 Resp: 142402

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.304 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

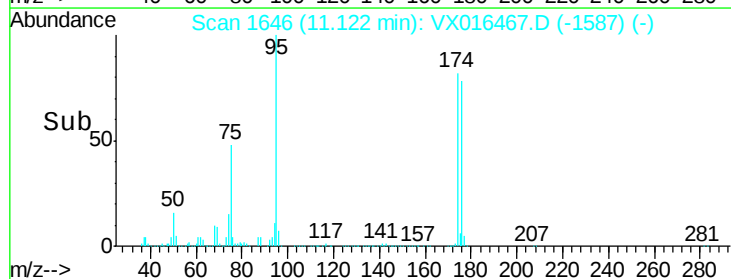
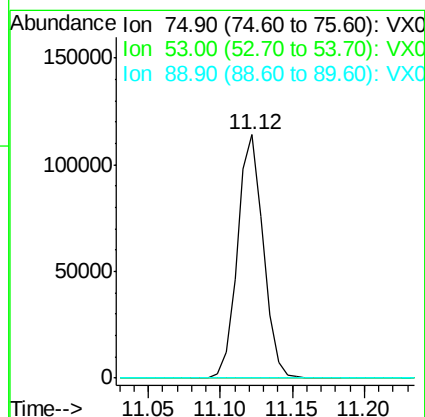
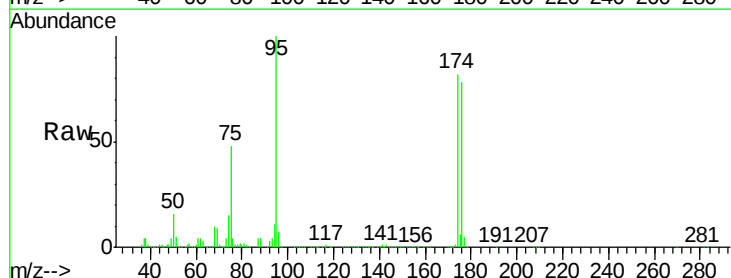
Tgt Ion: 75 Resp: 142402

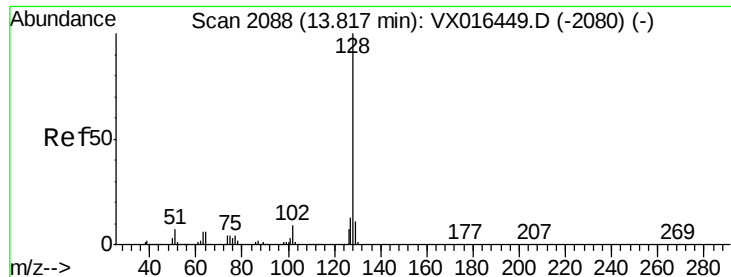
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 2.901 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016467.D

Acq: 27 May 2020 23:40

Instrument :

MSVOA_X

ClientSampleId :

LD-C

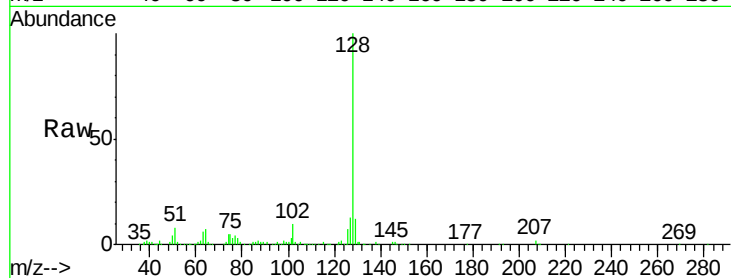
Tot Ion:128 Resp: 60242

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 11.1 8.6 13.0



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

