

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016468.D
 Acq On : 28 May 2020 00:02
 Operator : JC/SP
 Sample : L2786-02 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LG-C

Quant Time: May 28 03:04:40 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	352330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	568643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	578513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	298208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	201947	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	5.47	113	162723	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	8.70	98	708261	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.12	95	296009	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	

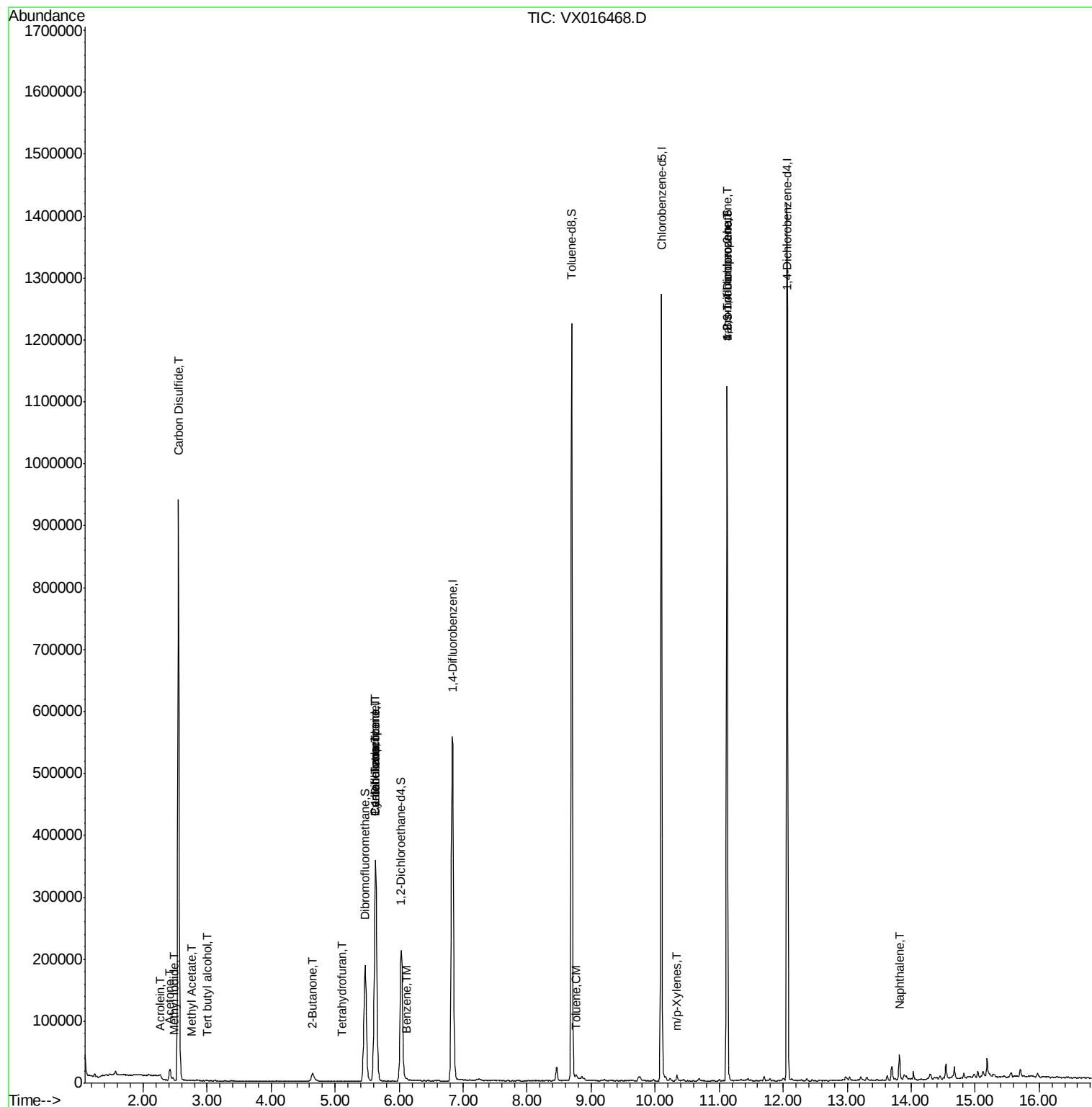
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	103	3.081	ug/l #	40
11) Tert butyl alcohol	3.01	59	710	0.633	ug/l	99
13) Acrolein	2.27	56	428	0.897	ug/l #	1
16) Acetone	2.42	43	19346	10.092	ug/l	99
17) Carbon Disulfide	2.55	76	1168665	116.082	ug/l	99
18) Methyl Acetate	2.76	43	1203	0.245	ug/l	100
25) 2-Butanone	4.65	43	2895	0.891	ug/l	90
29) Tetrahydrofuran	5.12	42	606	0.289	ug/l #	53
31) Cyclohexane	5.63	56	6477	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	26939	5.004	ug/l #	50
38) Carbon Tetrachloride	5.64	117	33461	5.914	ug/l #	16
40) Benzene	6.12	78	3701	0.231	ug/l	96
52) Toluene	8.76	92	2076	0.205	ug/l	95
68) m/p-Xylenes	10.34	106	2070	0.266	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	144035	21.974	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	144035	54.053	ug/l #	14
95) Naphthalene	13.82	128	23134	1.117	ug/l	99

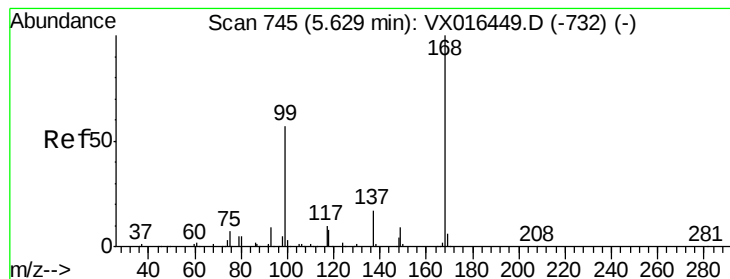
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052720\
Data File : VX016468.D
Acq On : 28 May 2020 00:02
Operator : JC/SP
Sample : L2786-02 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LG-C

Quant Time: May 28 03:04:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

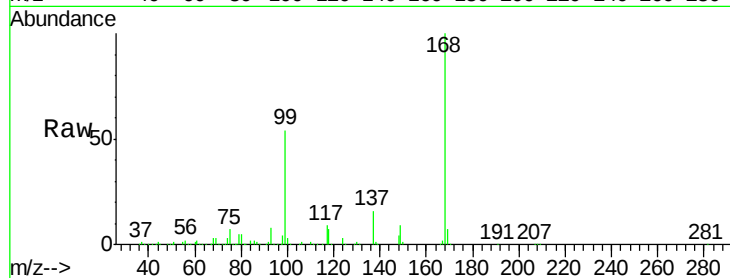
LG-C

Tot Ion:168 Resp: 352330

Ion Ratio Lower Upper

168 100

99 53.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

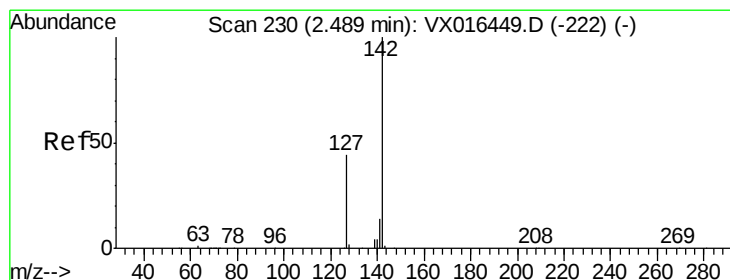
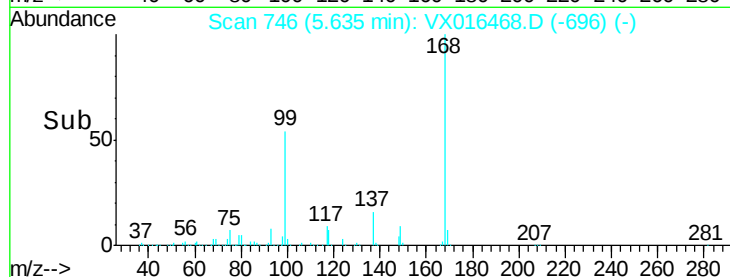
100000

50000

0

Time-->

5.50 5.60 5.70



#10

Methyl Iodide

Concen: 3.081 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

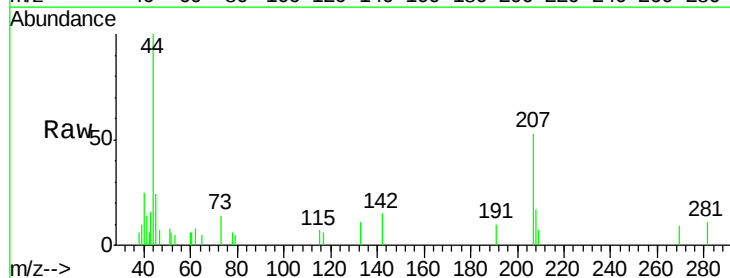
Tgt Ion:142 Resp: 103

Ion Ratio Lower Upper

142 100

127 0.0 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

2.50

200

150

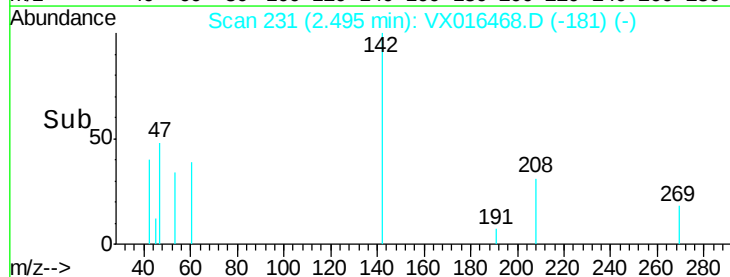
100

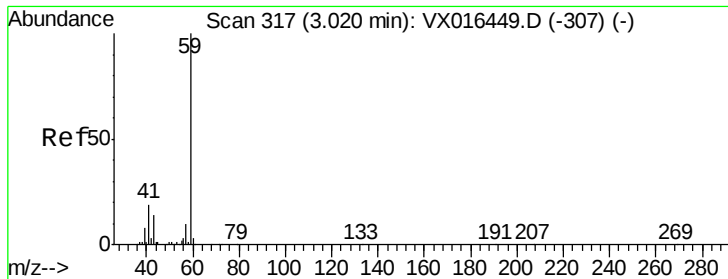
50

0

Time-->

2.48 2.50

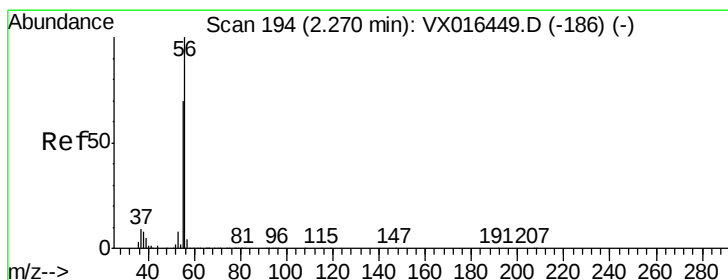
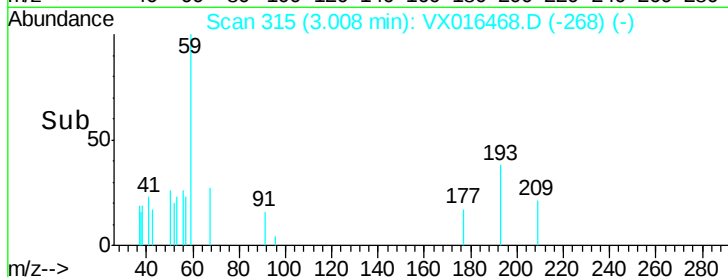
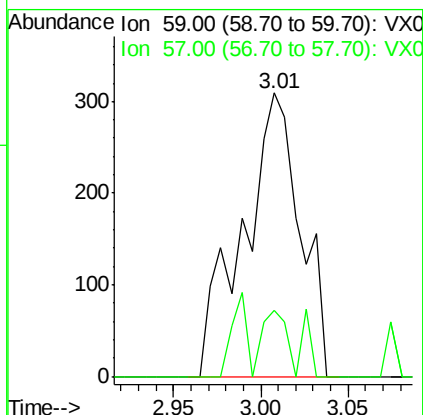
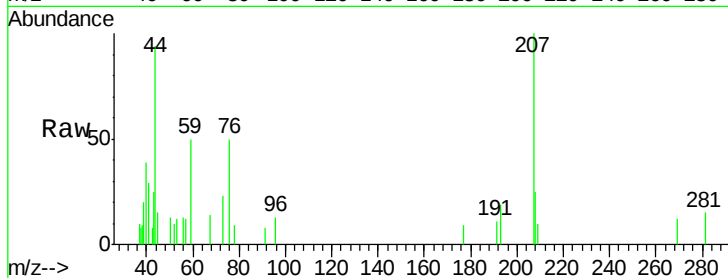




#11
Tert butyl alcohol
Concen: 0.633 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

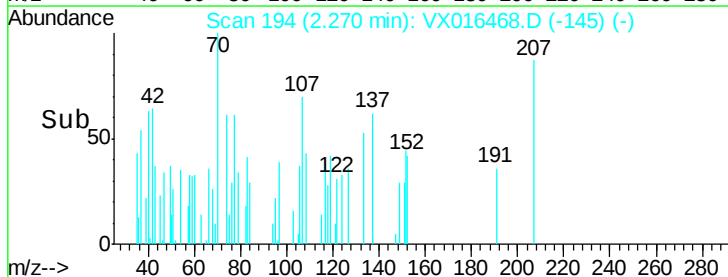
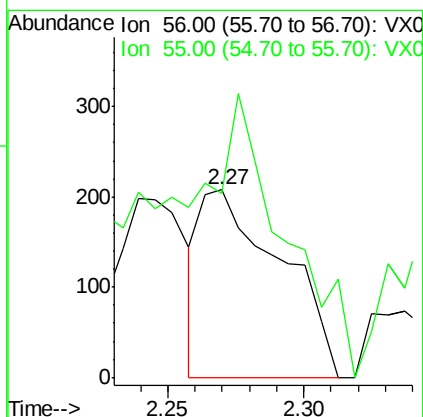
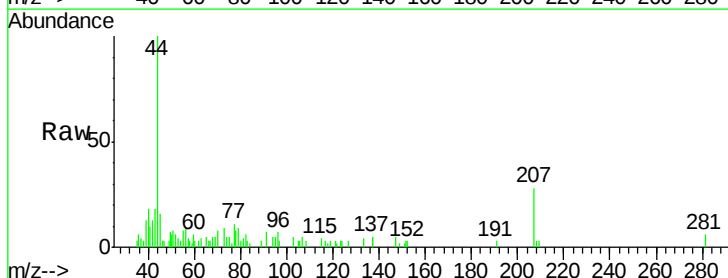
Instrument :
MSVOA_X
ClientSampleId :
LG-C

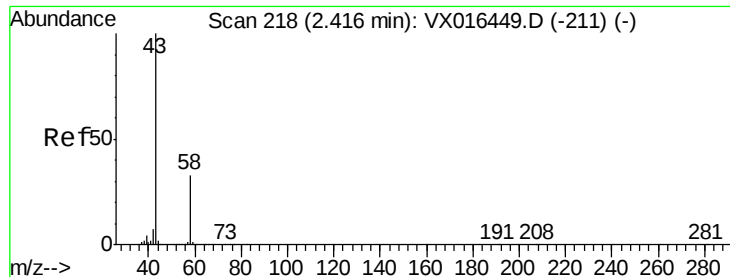
Tot Ion: 59 Resp: 710
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4



#13
Acrolein
Concen: 0.897 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

Tgt Ion: 56 Resp: 428
Ion Ratio Lower Upper
56 100
55 234.1 58.3 87.5#





#16

Acetone

Concen: 10.092 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

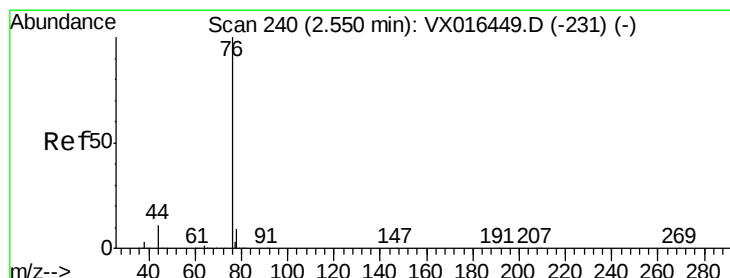
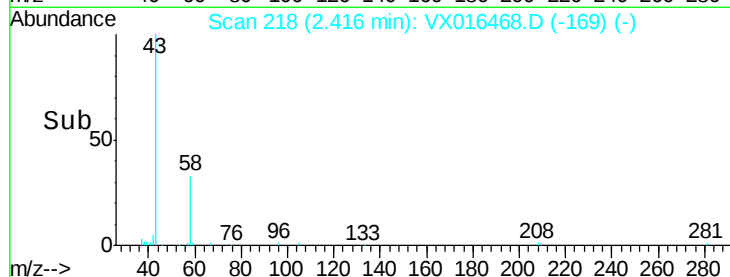
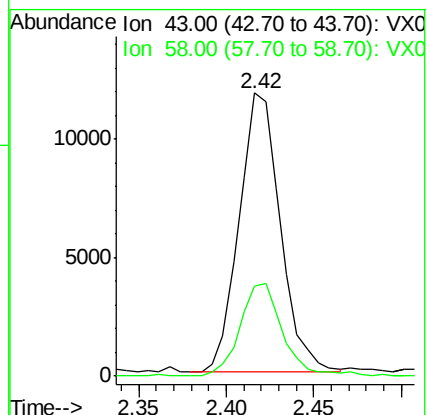
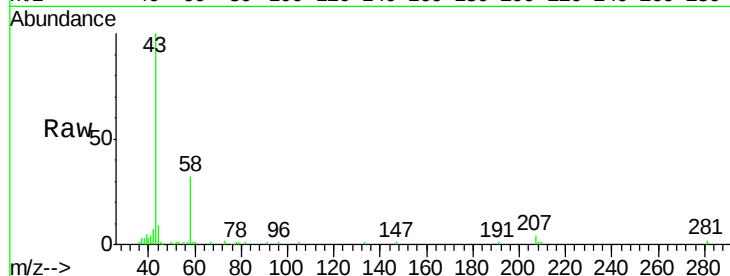
LG-C

Tot Ion: 43 Resp: 19346

Ion Ratio Lower Upper

43 100

58 32.2 26.1 39.1



#17

Carbon Disulfide

Concen: 116.082 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016468.D

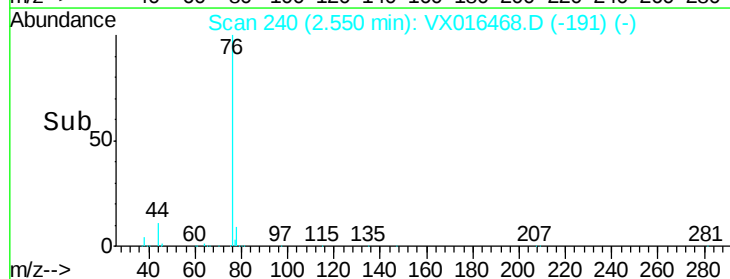
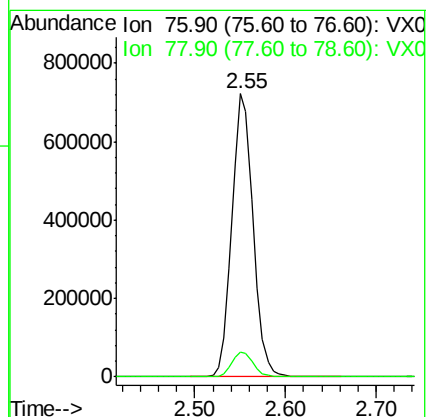
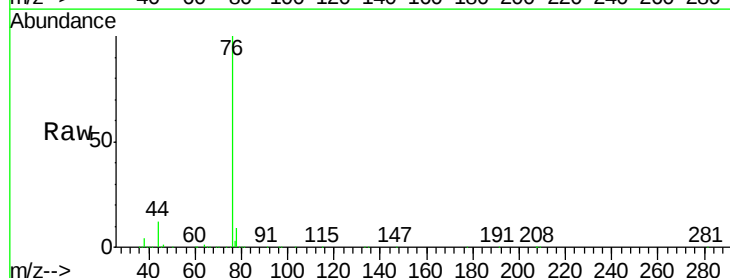
Acq: 28 May 2020 00:02

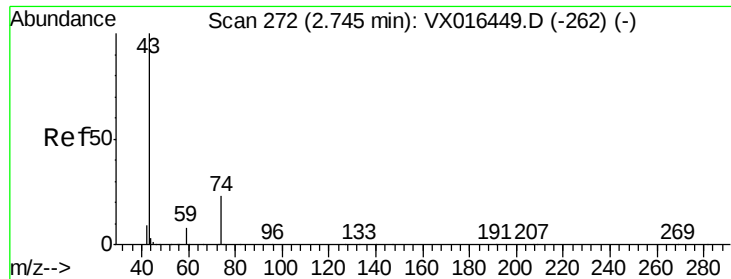
Tgt Ion: 76 Resp: 1168665

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

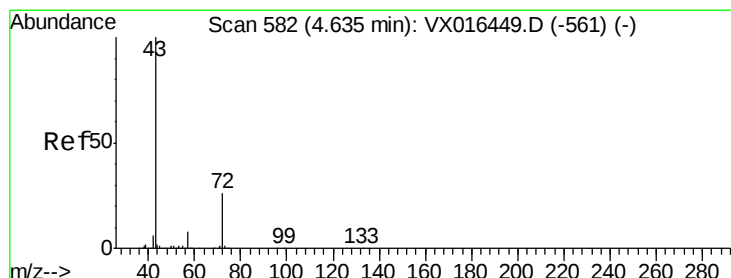
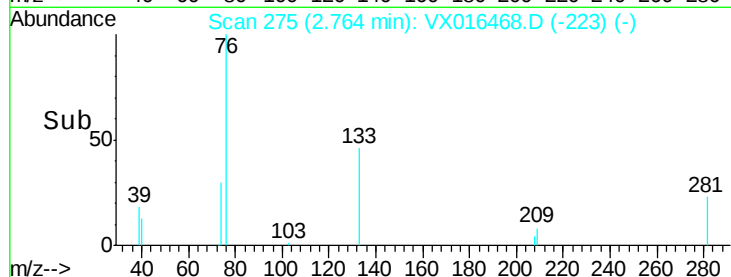
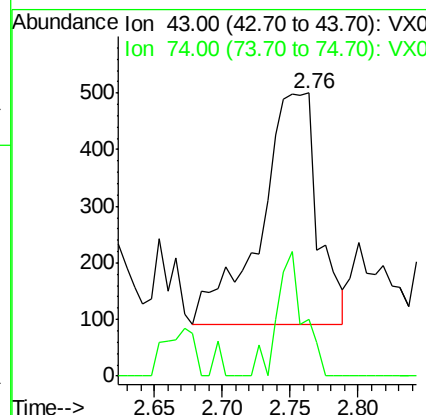
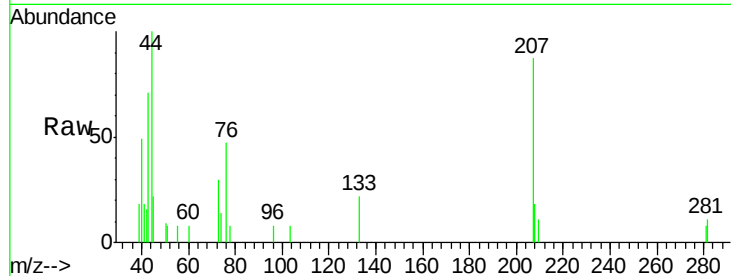




#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

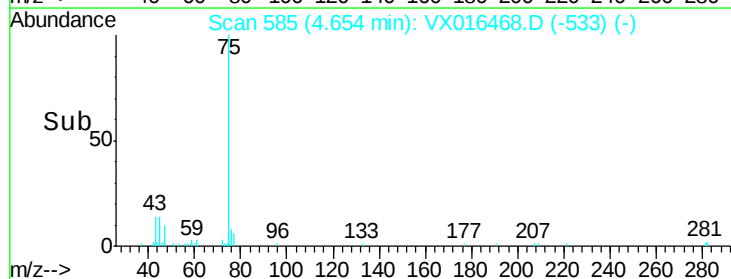
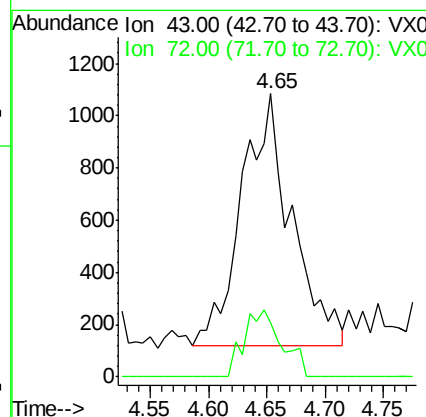
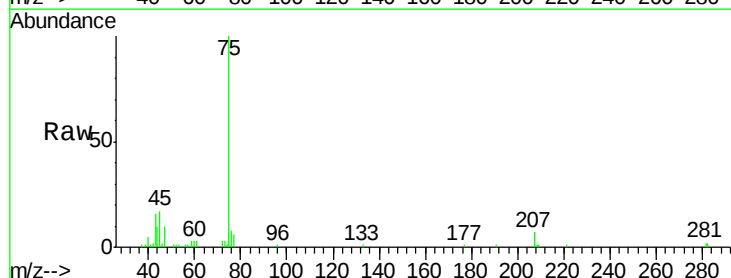
Instrument :
MSVOA_X
ClientSampled :
LG-C

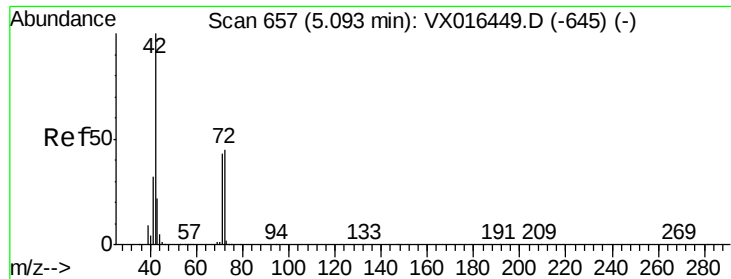
Tot Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



#25
2-Butanone
Concen: 0.891 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
72 21.4 21.0 31.6

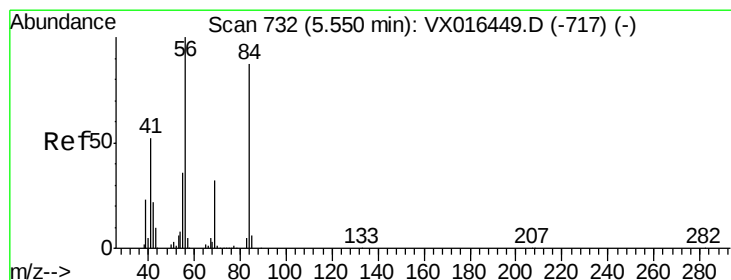
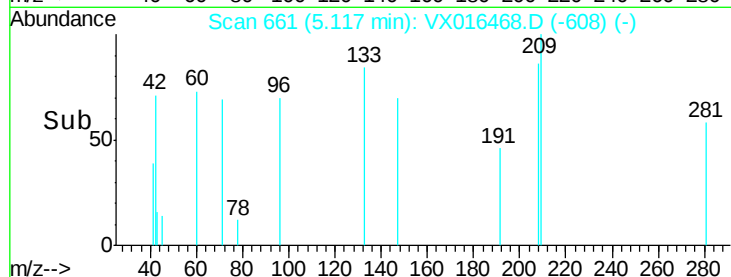
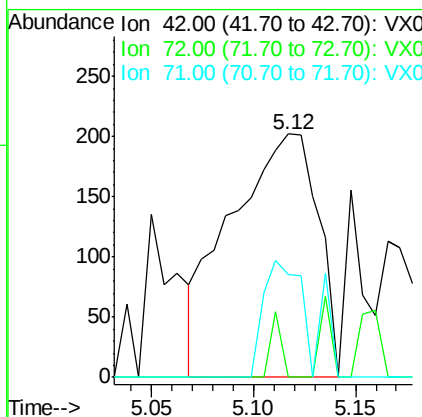
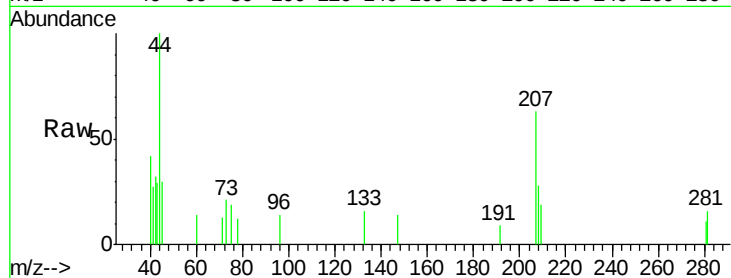




#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

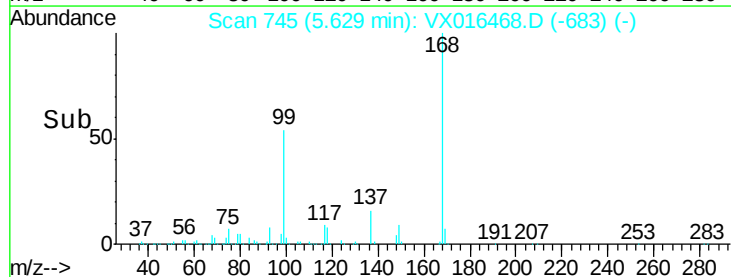
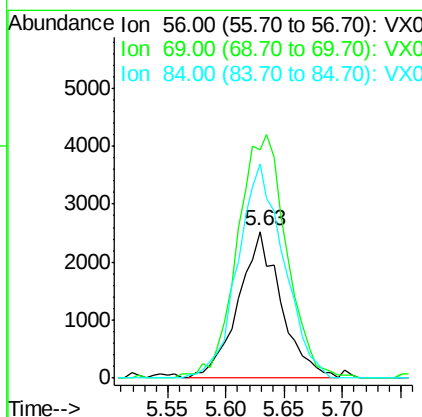
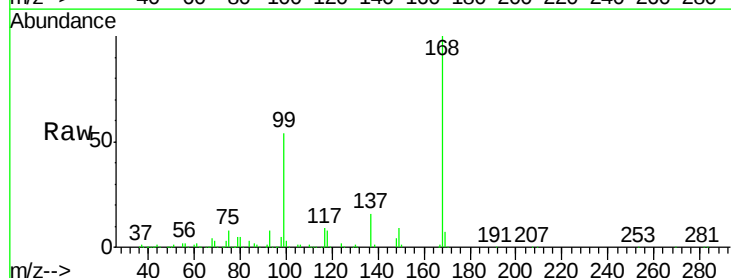
Instrument :
MSVOA_X
ClientSampleId :
LG-C

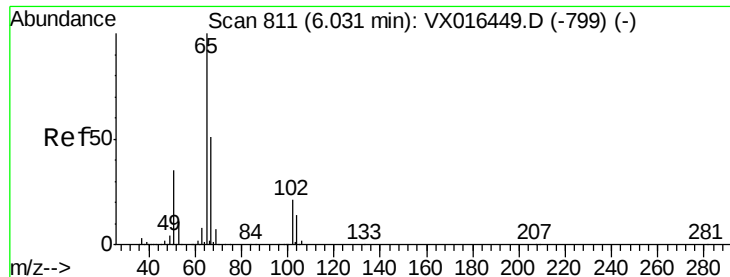
Tot Ion: 42 Resp: 606
Ion Ratio Lower Upper
42 100
72 3.3 37.0 55.4#
71 25.6 34.1 51.1#



#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

Tgt Ion: 56 Resp: 6477
Ion Ratio Lower Upper
56 100
69 153.2 25.7 38.5#
84 145.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 46.154 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

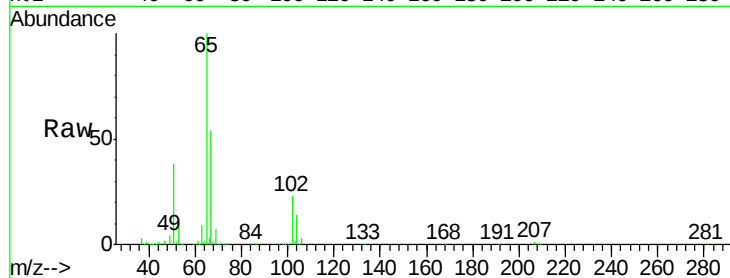
LG-C

Tot Ion: 65 Resp: 201947

Ion Ratio Lower Upper

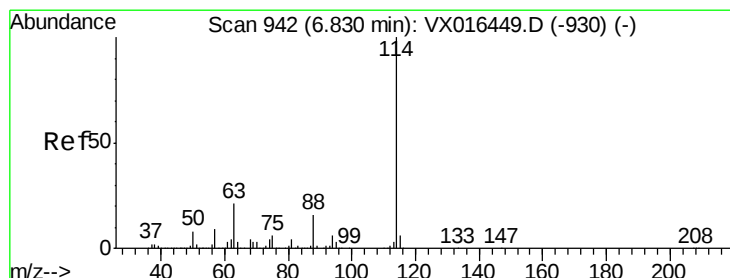
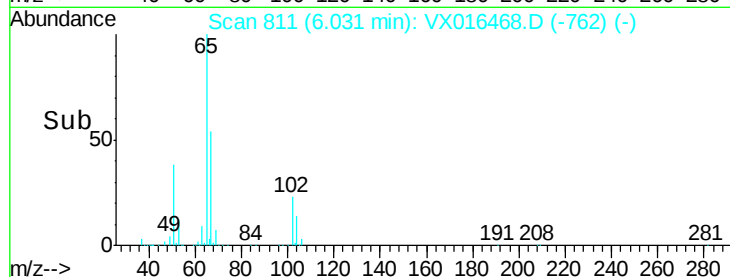
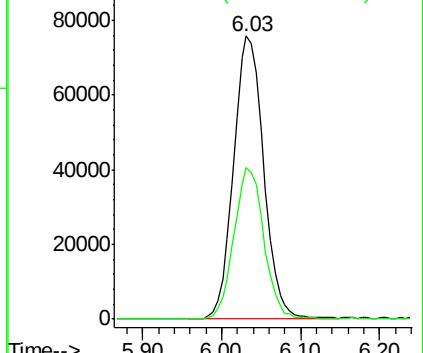
65 100

67 53.3 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: VX016468.D

Acq: 28 May 2020 00:02

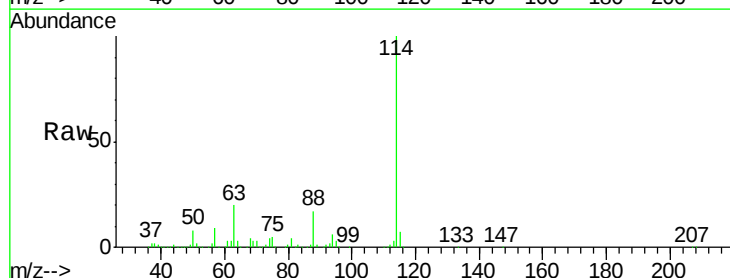
Tgt Ion: 114 Resp: 568643

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

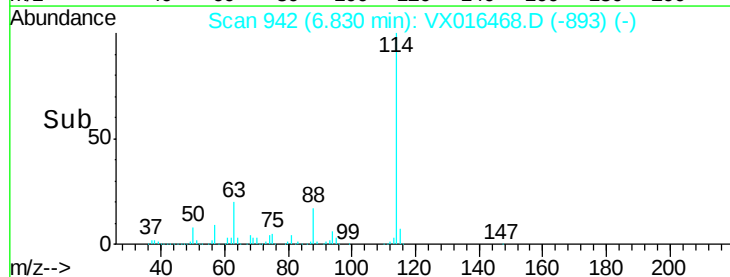
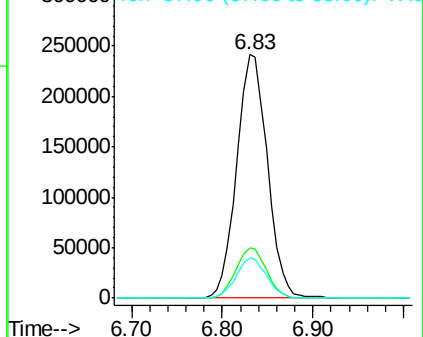
88 16.7 0.0 32.8

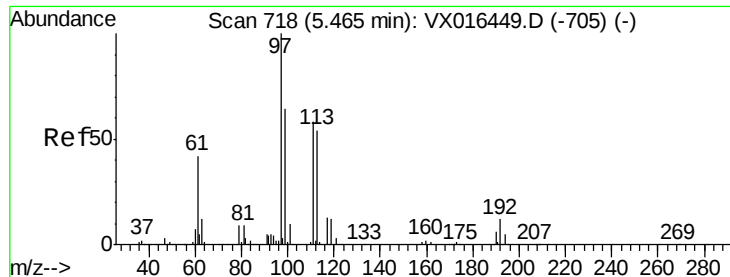


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.474 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

LG-C

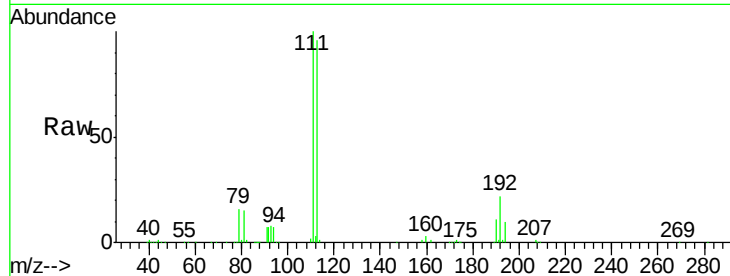
Tot Ion:113 Resp: 162723

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

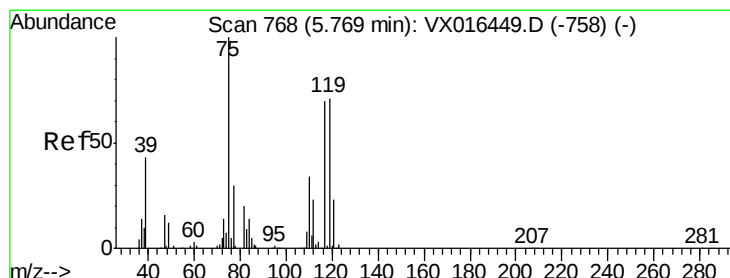
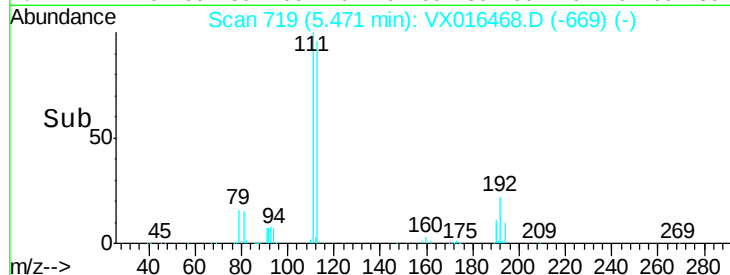
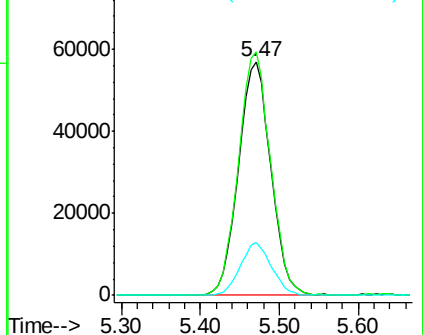
192 21.8 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.004 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

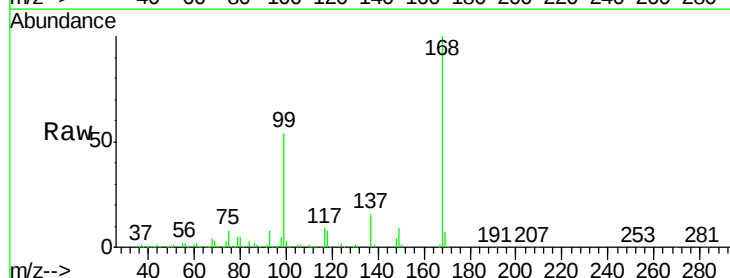
Tgt Ion: 75 Resp: 26939

Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.3#

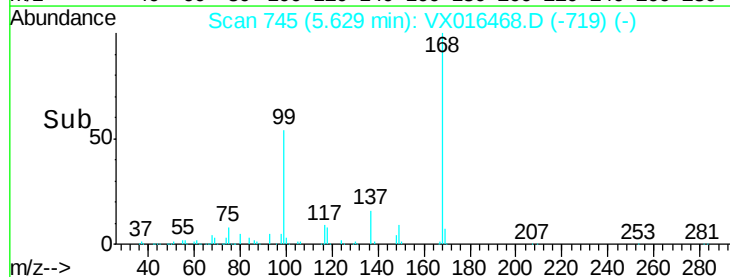
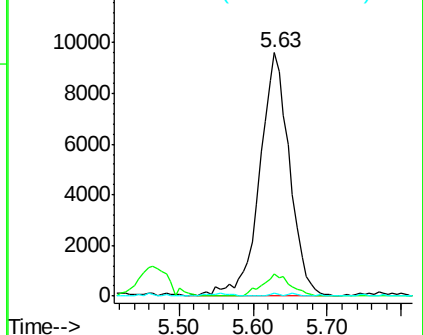
77 0.3 24.2 36.4#

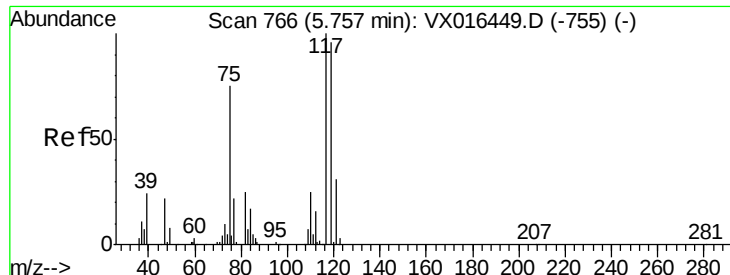


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.914 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampled :

LG-C

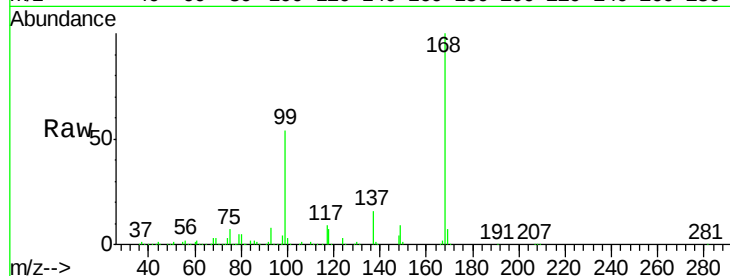
Tot Ion:117 Resp: 33461

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

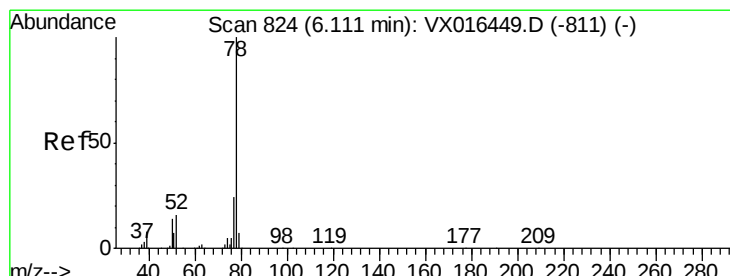
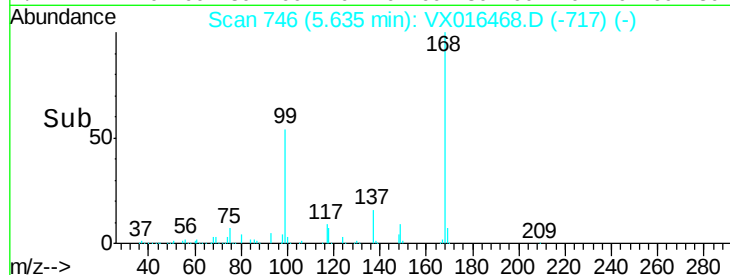
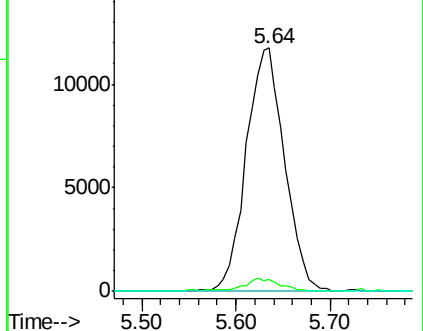
121 0.0 24.6 37.0#



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: 0.231 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX016468.D

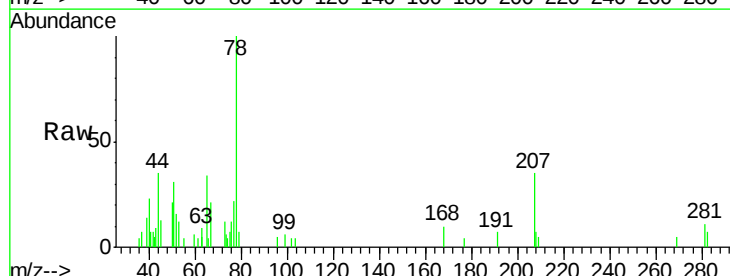
Acq: 28 May 2020 00:02

Tgt Ion: 78 Resp: 3701

Ion Ratio Lower Upper

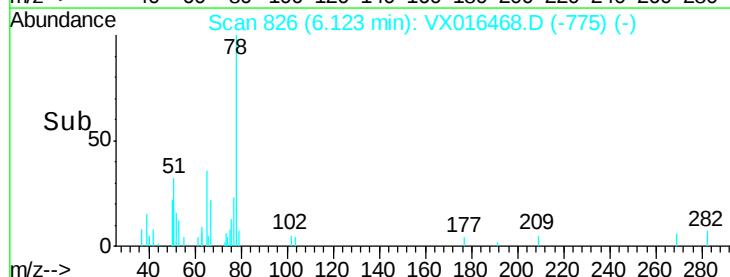
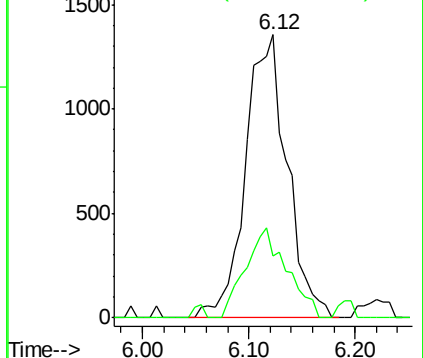
78 100

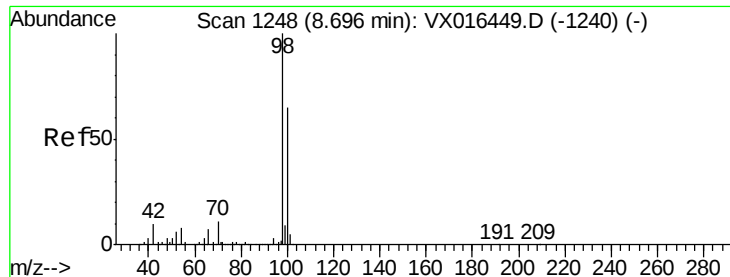
77 21.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 51.970 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

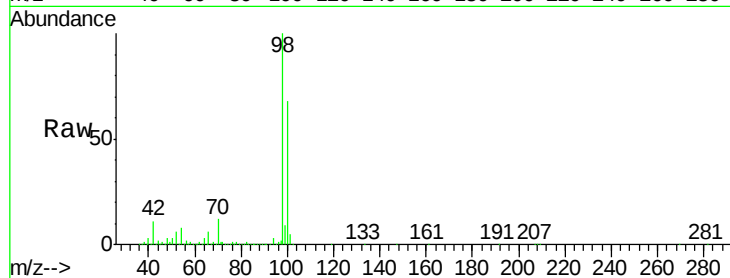
LG-C

Tot Ion: 98 Resp: 708261

Ion Ratio Lower Upper

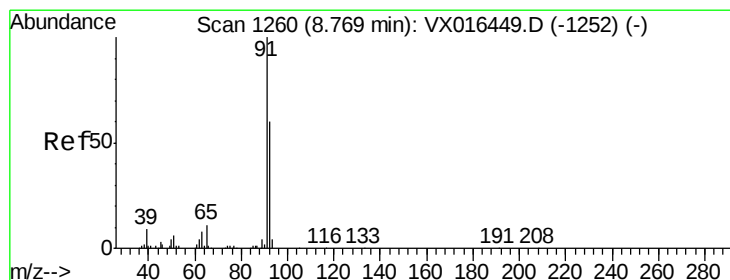
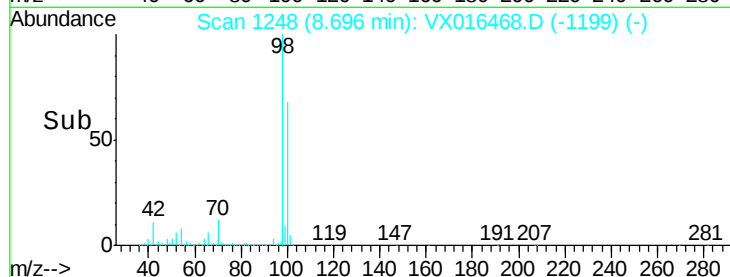
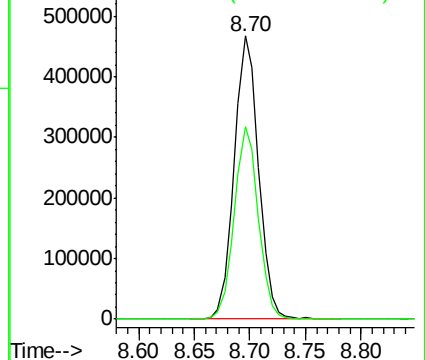
98 100

100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 0.205 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016468.D

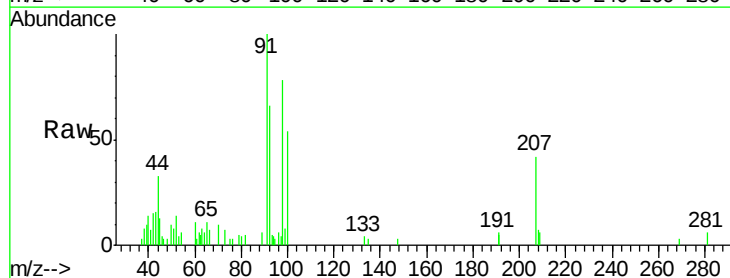
Acq: 28 May 2020 00:02

Tgt Ion: 92 Resp: 2076

Ion Ratio Lower Upper

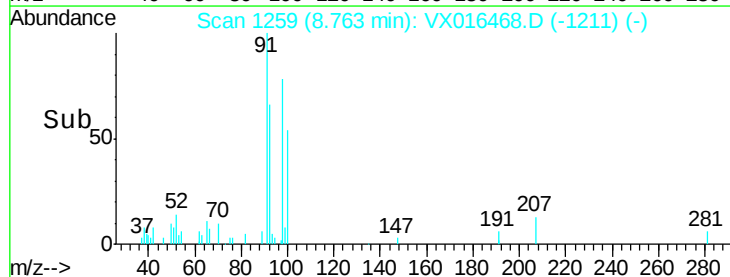
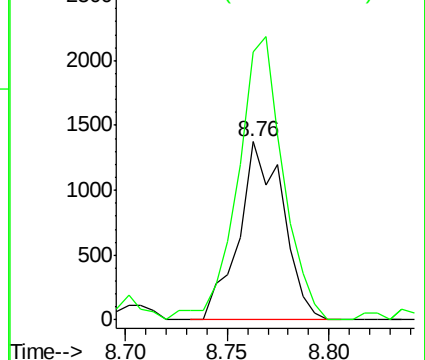
92 100

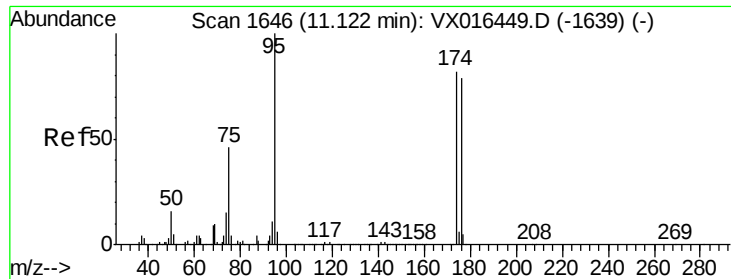
91 162.4 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

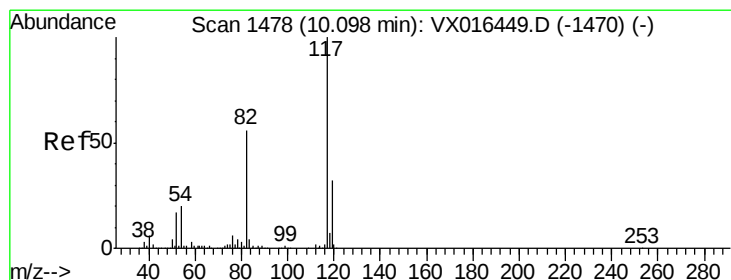
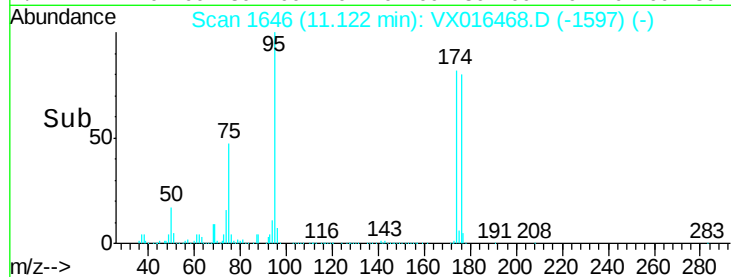
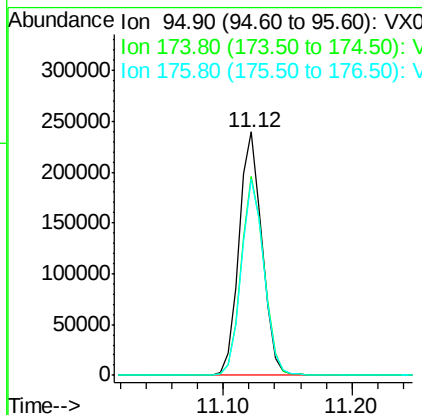
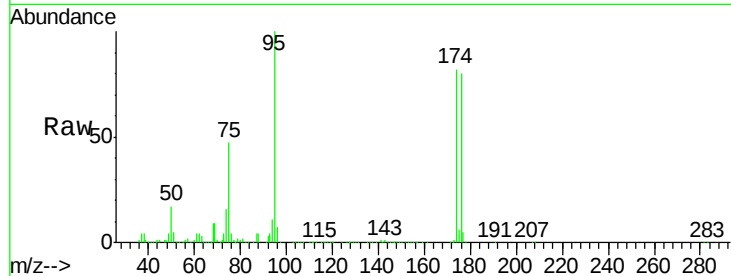




#62
4-Bromofluorobenzene
Concen: 56.212 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

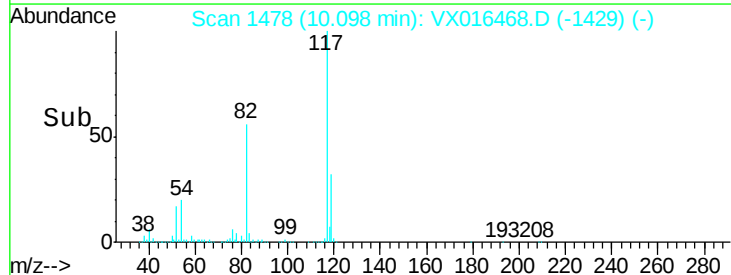
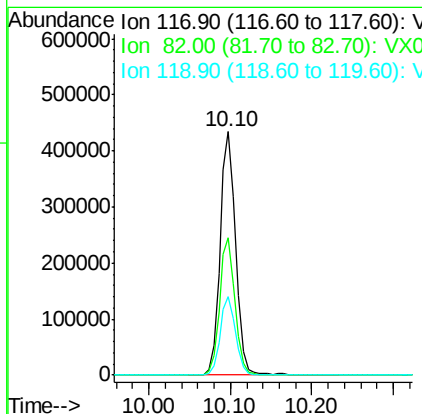
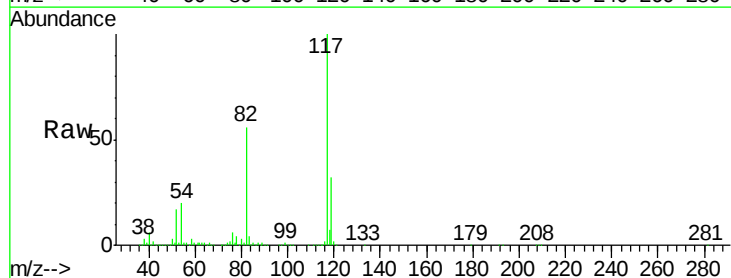
Instrument :
MSVOA_X
ClientSampleId :
LG-C

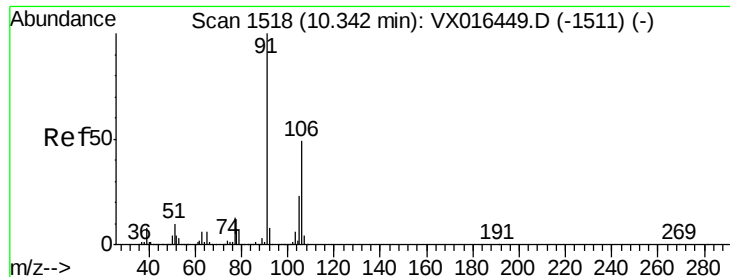
Tot Ion	95	Resp	296009
Ion Ratio	Lower	Upper	
95	100		
174	80.7	0.0	163.0
176	79.3	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016468.D
Acq: 28 May 2020 00:02

Tgt Ion	117	Resp	578513
Ion Ratio	Lower	Upper	
117	100		
82	56.2	45.0	67.6
119	32.4	25.8	38.8





#68

m/p-Xvlenes

Concen: 0.266 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

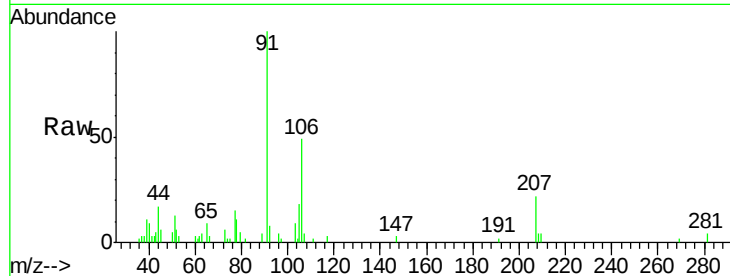
LG-C

Tot Ion:106 Resp: 2070

Ion Ratio Lower Upper

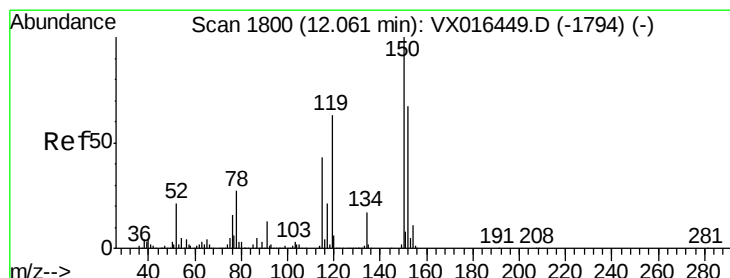
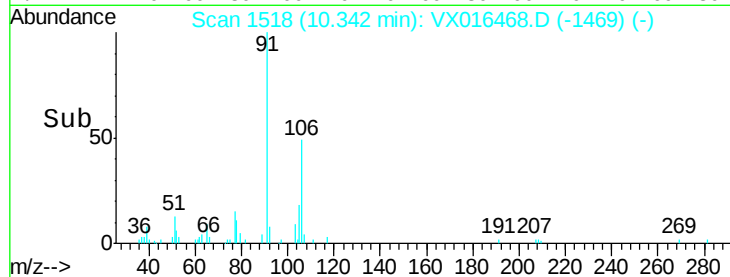
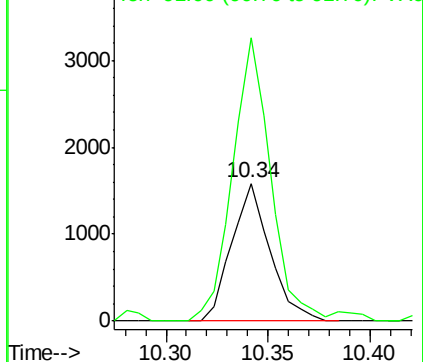
106 100

91 203.1 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

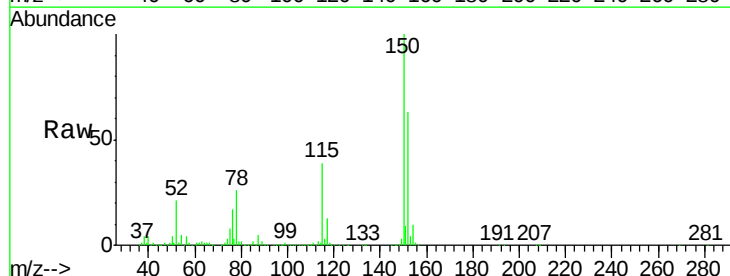
Tgt Ion:152 Resp: 298208

Ion Ratio Lower Upper

152 100

115 59.4 39.9 119.6

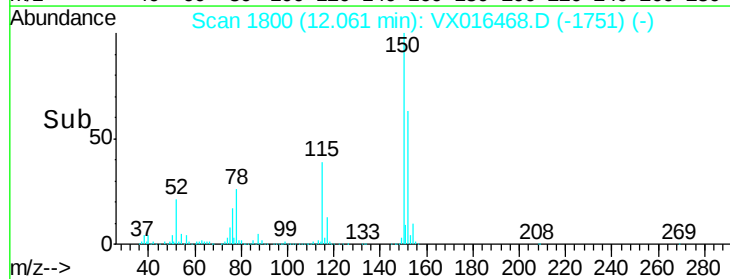
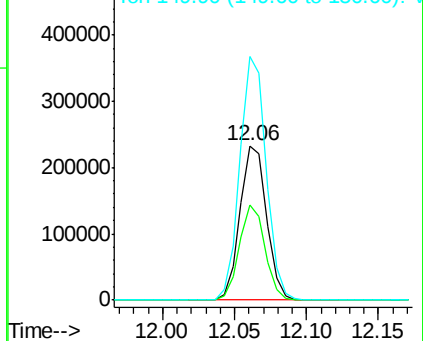
150 156.3 0.0 341.0

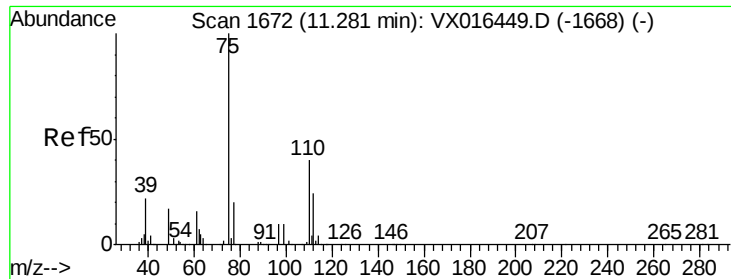


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.974 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

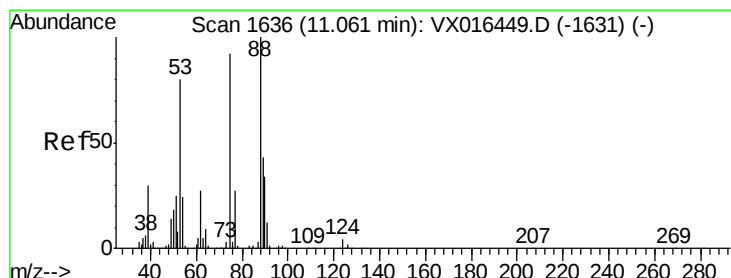
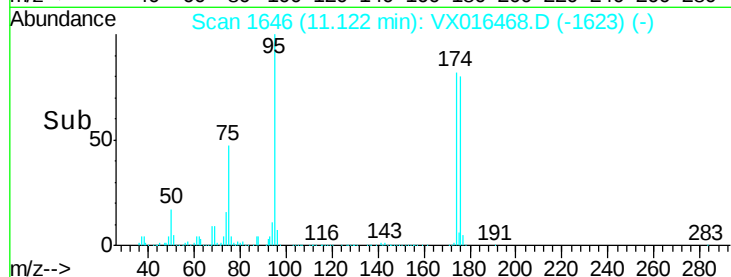
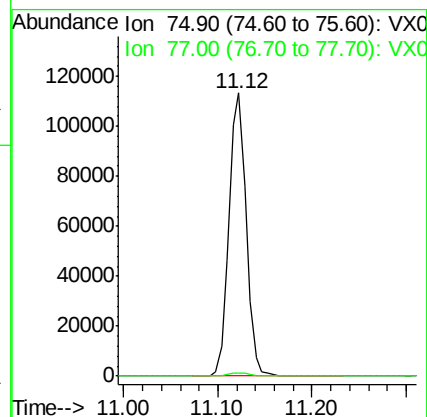
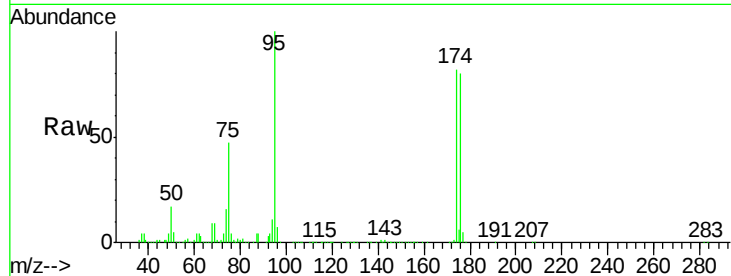
LG-C

Tot Ion: 75 Resp: 144035

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.053 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

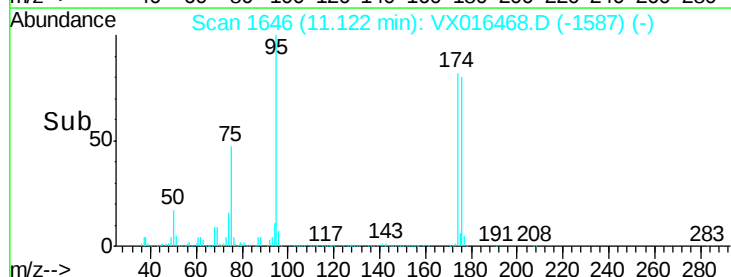
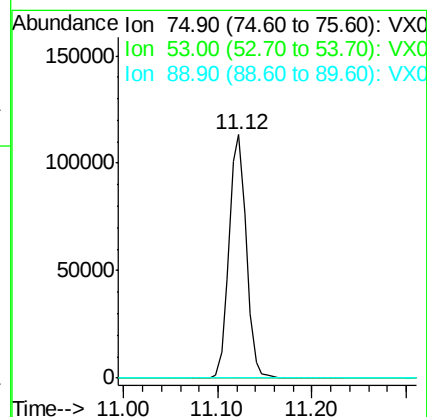
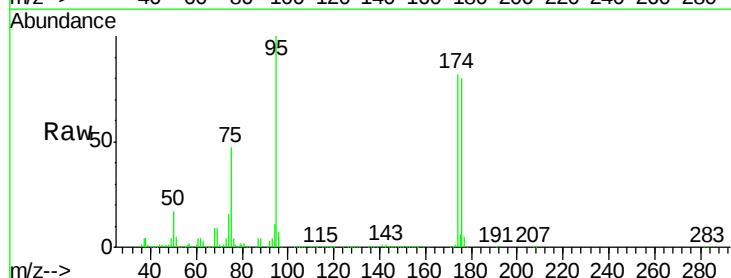
Tgt Ion: 75 Resp: 144035

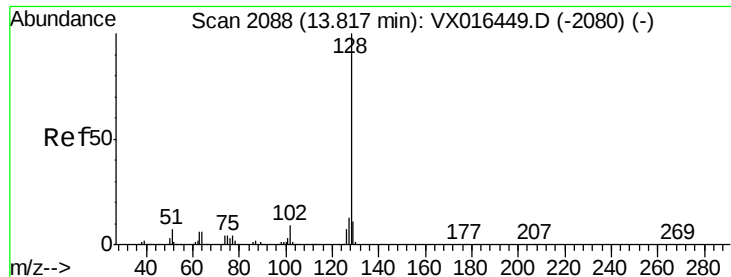
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 1.117 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016468.D

Acq: 28 May 2020 00:02

Instrument :

MSVOA_X

ClientSampleId :

LG-C

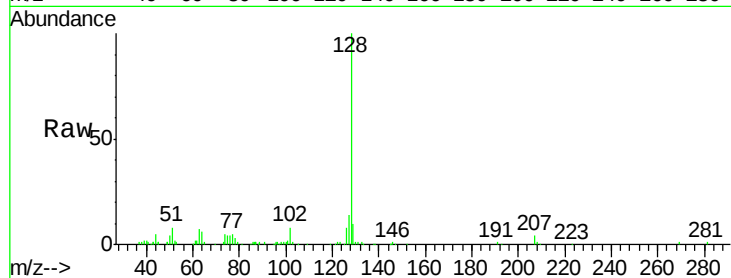
Tot Ion:128 Resp: 23134

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.6 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

