

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016483.D
 Acq On : 28 May 2020 14:23
 Operator : JC/SP
 Sample : L2786-02 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LG-C

Quant Time: May 28 14:46:53 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	304547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	493829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	485928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	181599	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	5.46	113	143390	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	8.70	98	611417	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.12	95	245514	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	

Target Compounds

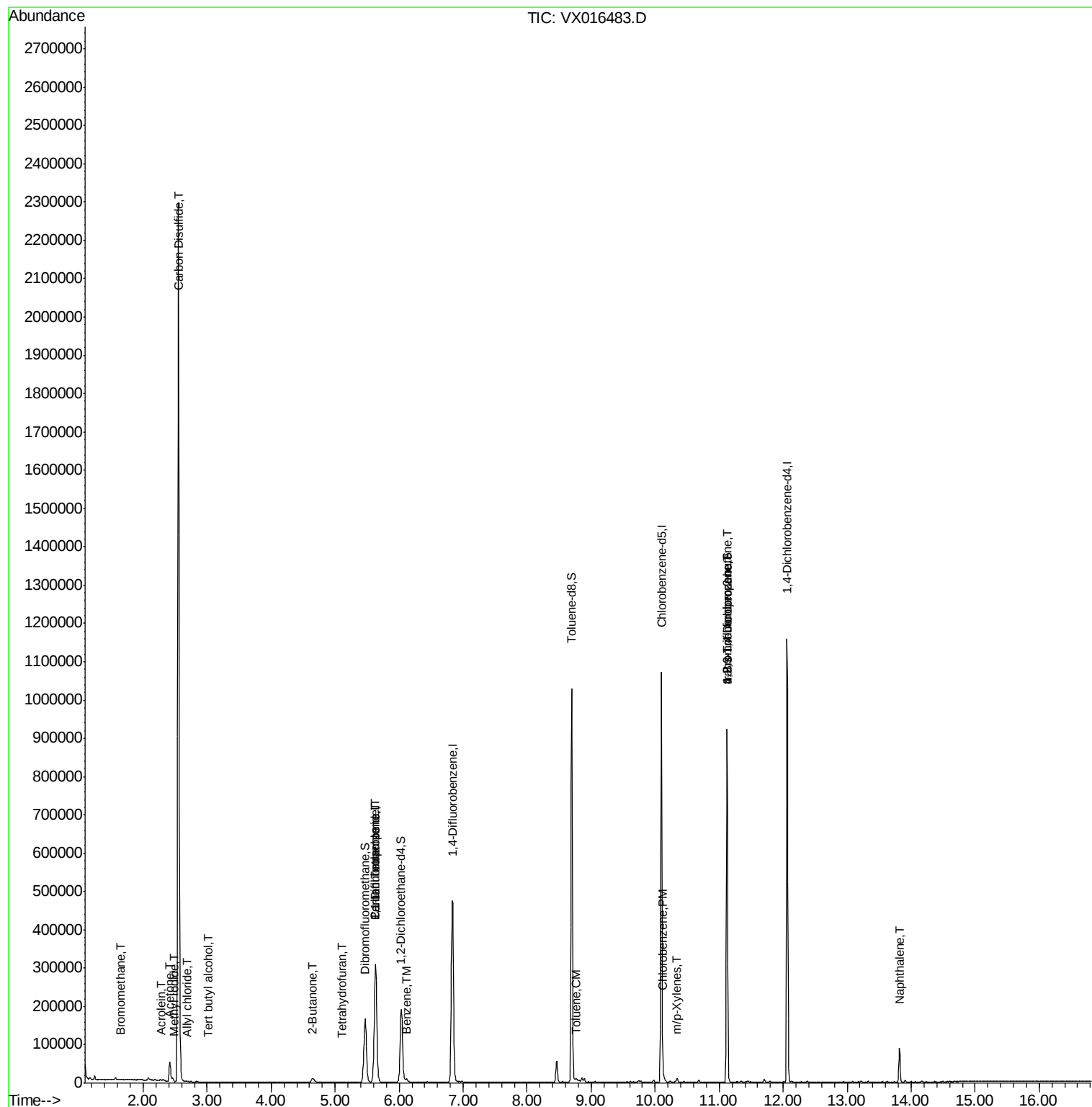
						Qvalue
5) Bromomethane	1.64	94	424	0.228	ug/l	99
10) Methyl Iodide	2.49	142	201	3.112	ug/l #	80
11) Tert butyl alcohol	3.01	59	666	0.687	ug/l #	83
13) Acrolein	2.28	56	457	1.108	ug/l #	62
14) Allyl chloride	2.68	41	1613	0.299	ug/l #	52
16) Acetone	2.42	43	54202	32.711	ug/l	98
17) Carbon Disulfide	2.55	76	2860682	328.731	ug/l	100
25) 2-Butanone	4.65	43	6974	2.484	ug/l	97
29) Tetrahydrofuran	5.10	42	459	0.253	ug/l	89
36) 1,1-Dichloropropene	5.63	75	22987	4.916	ug/l #	50
38) Carbon Tetrachloride	5.64	117	29188	5.940	ug/l #	16
40) Benzene	6.12	78	9291	0.667	ug/l	93
52) Toluene	8.77	92	1787	0.204	ug/l	97
65) Chlorobenzene	10.12	112	5249	0.530	ug/l	89
68) m/p-Xylenes	10.34	106	2206	0.337	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	120377	22.578	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	120377	55.539	ug/l #	14
95) Naphthalene	13.82	128	51673	3.067	ug/l	99

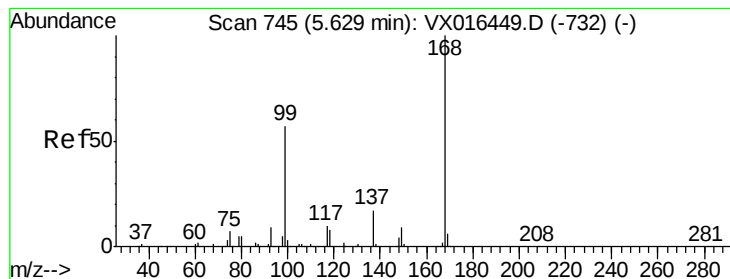
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052820\
Data File : VX016483.D
Acq On : 28 May 2020 14:23
Operator : JC/SP
Sample : L2786-02 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LG-C

Quant Time: May 28 14:46:53 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: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

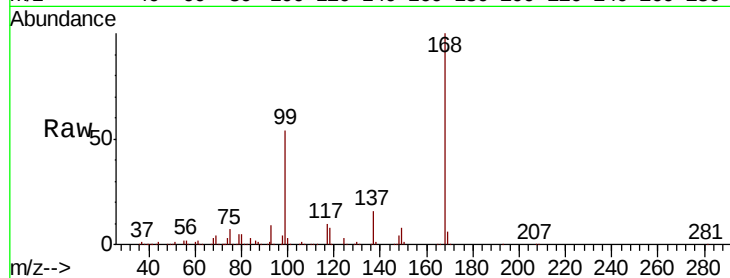
LG-C

Tot Ion:168 Resp: 304547

Ion Ratio Lower Upper

168 100

99 53.9 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

120000

100000

80000

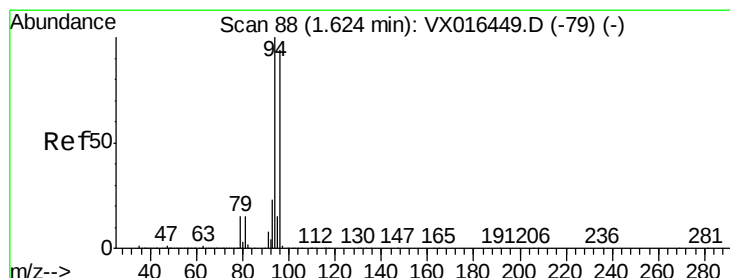
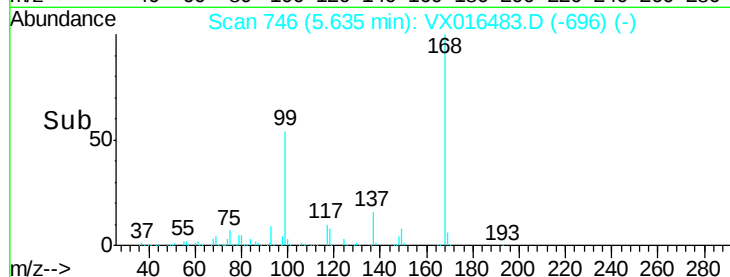
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.228 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016483.D

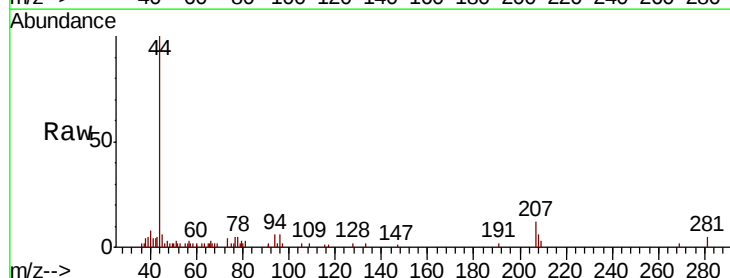
Acq: 28 May 2020 14:23

Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

94 100

96 92.5 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

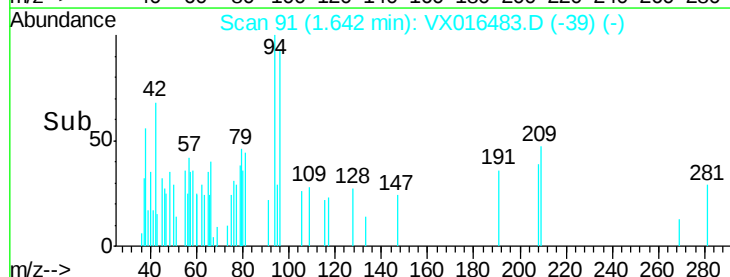
300

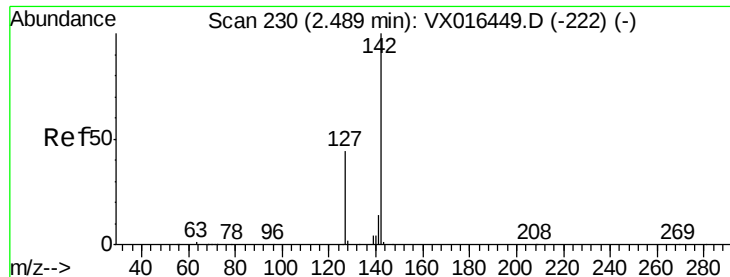
200

100

0

Time-->

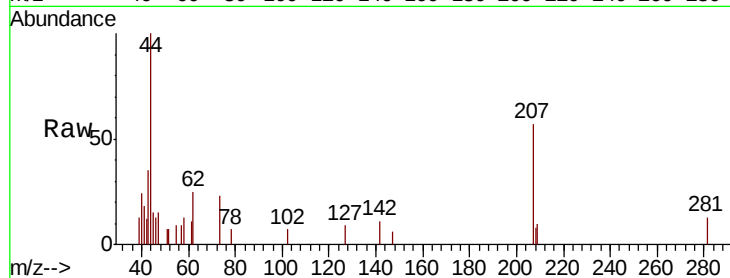




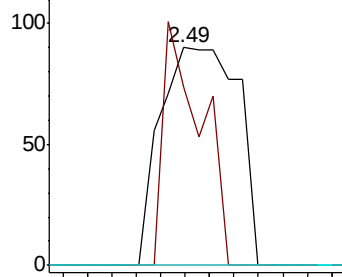
#10
Methvl Iodide
Concen: 3.112 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016483.D
Acq: 28 May 2020 14:23

Instrument :
MSVOA_X
ClientSampled :
LG-C

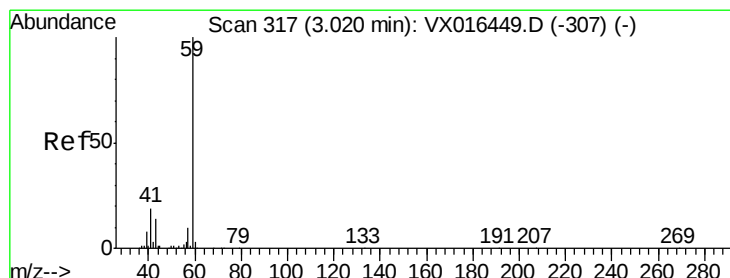
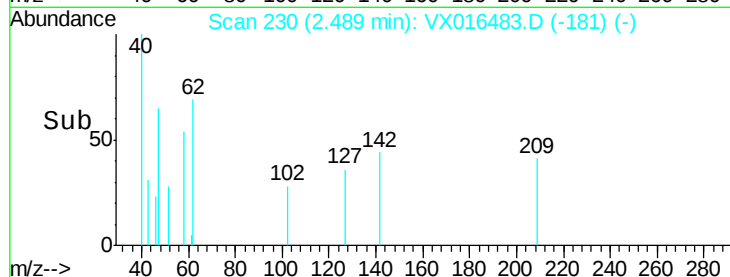
Tot Ion:142 Resp: 201
Ion Ratio Lower Upper
142 100
127 54.2 35.3 52.9#
141 0.0 11.4 17.2#



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

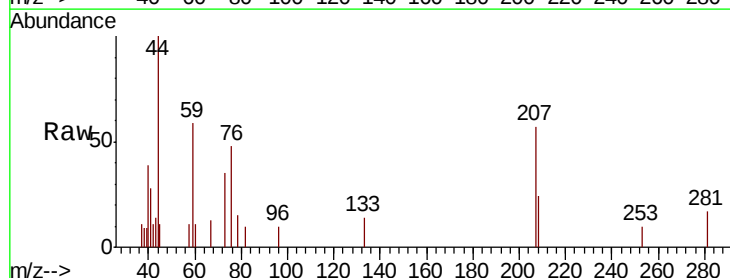


Time-->

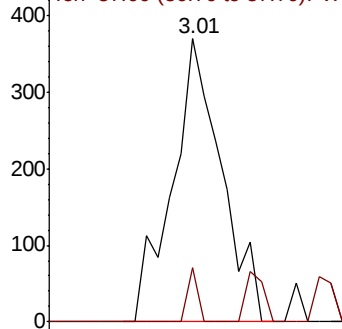


#11
Tert butyl alcohol
Concen: 0.687 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016483.D
Acq: 28 May 2020 14:23

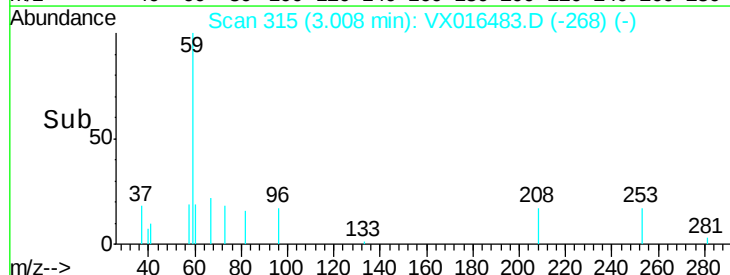
Tgt Ion: 59 Resp: 666
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.4#

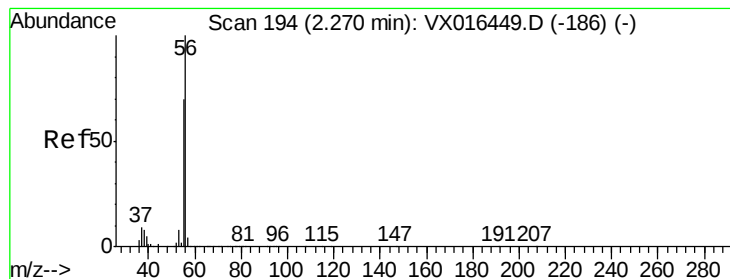


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time-->





#13

Acrolein

Concen: 1.108 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampled :

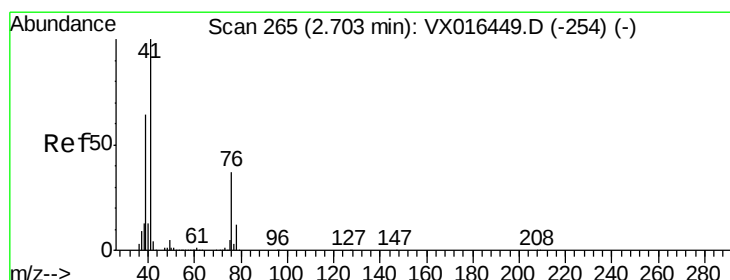
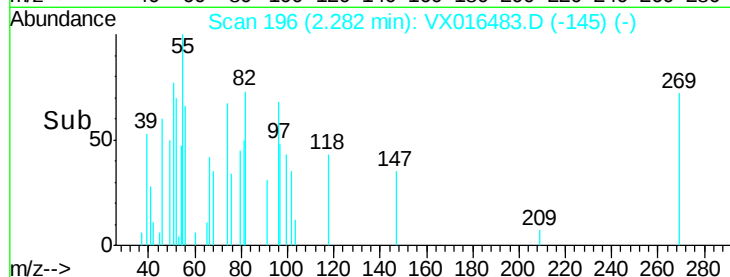
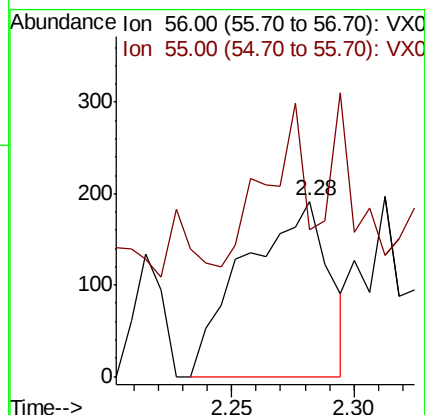
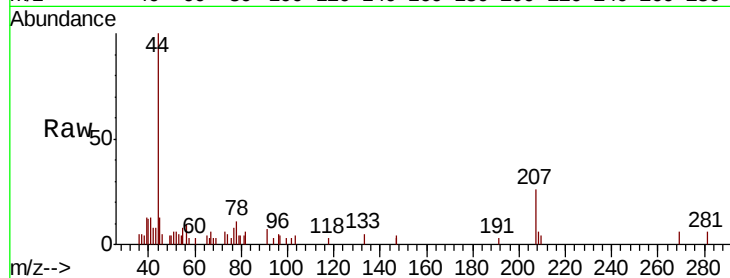
LG-C

Tot Ion: 56 Resp: 457

Ion Ratio Lower Upper

56 100

55 41.4 58.3 87.5#



#14

Allyl chloride

Concen: 0.299 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

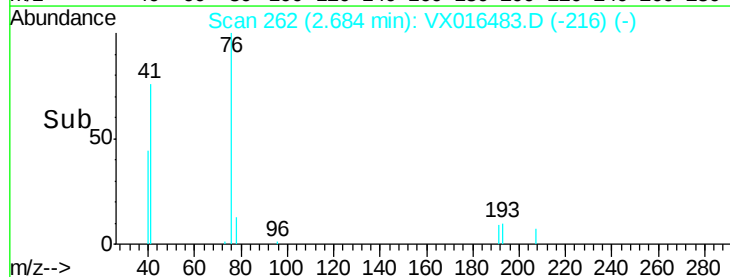
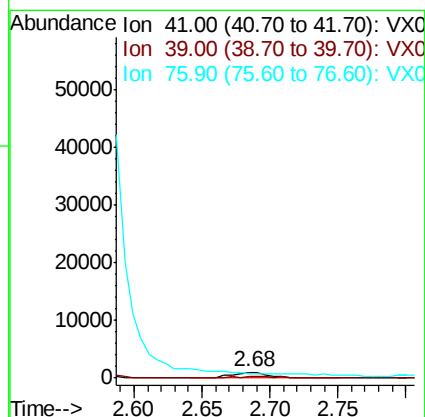
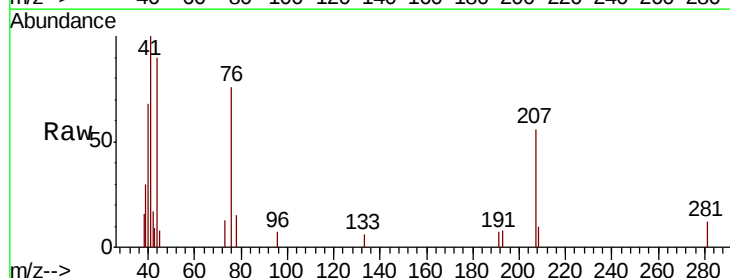
Tgt Ion: 41 Resp: 1613

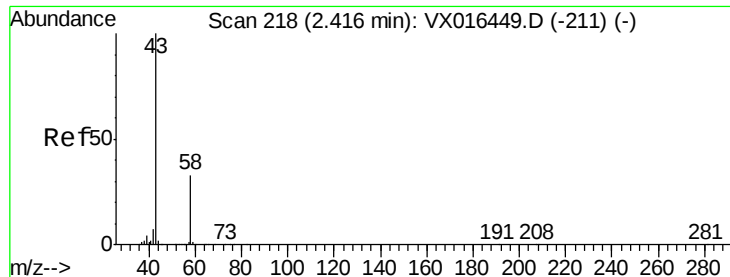
Ion Ratio Lower Upper

41 100

39 28.0 47.7 71.5#

76 0.0 26.6 40.0#





#16

Acetone

Concen: 32.711 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

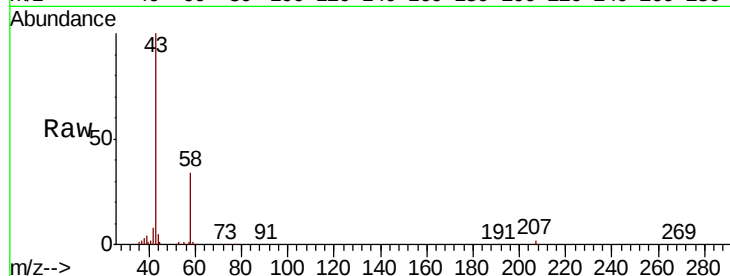
LG-C

Tot Ion: 43 Resp: 54202

Ion Ratio Lower Upper

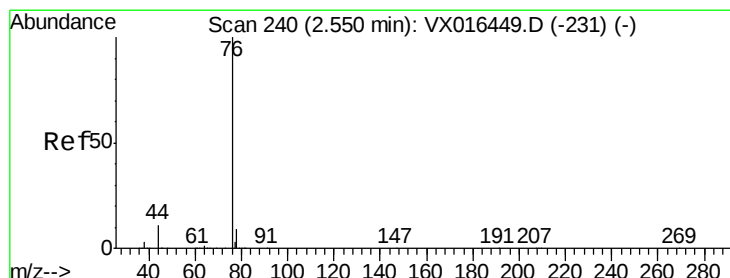
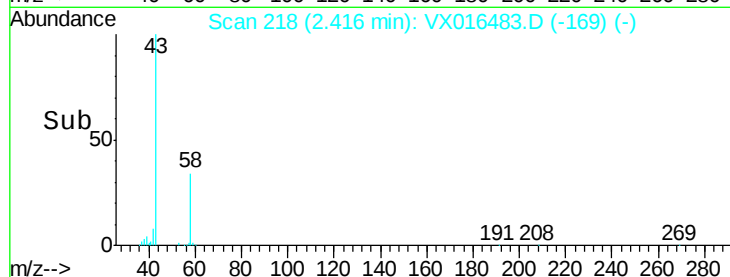
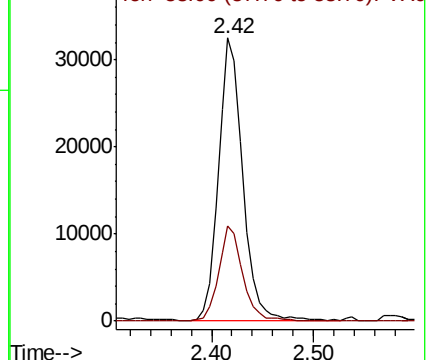
43 100

58 33.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 328.731 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016483.D

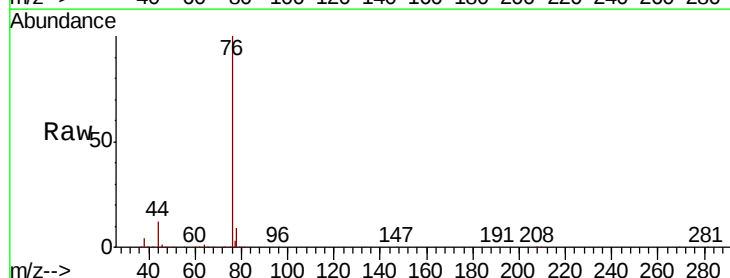
Acq: 28 May 2020 14:23

Tgt Ion: 76 Resp: 2860682

Ion Ratio Lower Upper

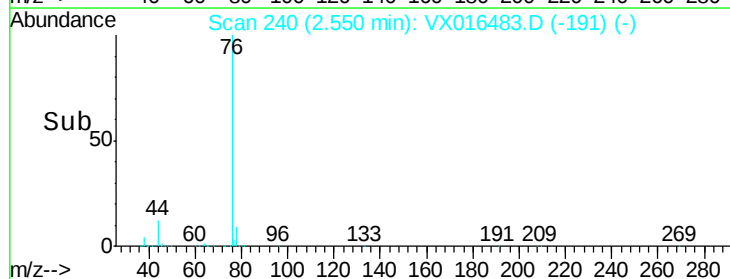
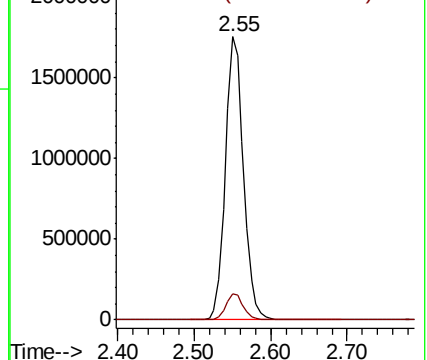
76 100

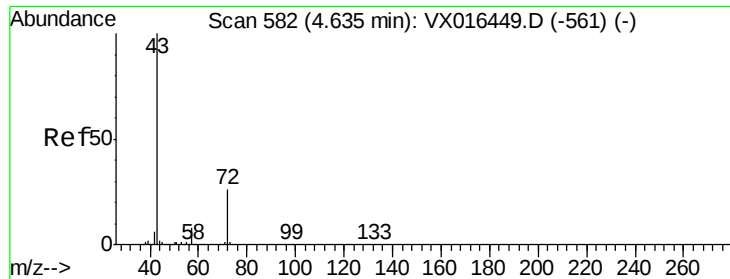
78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 2.484 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

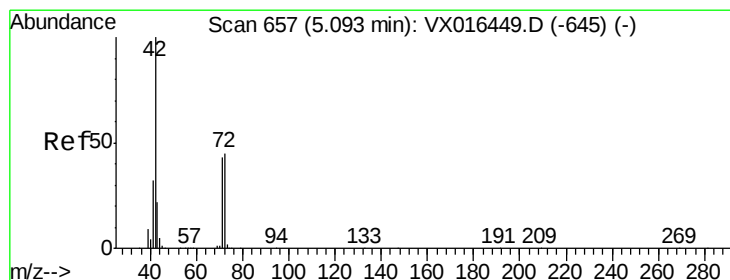
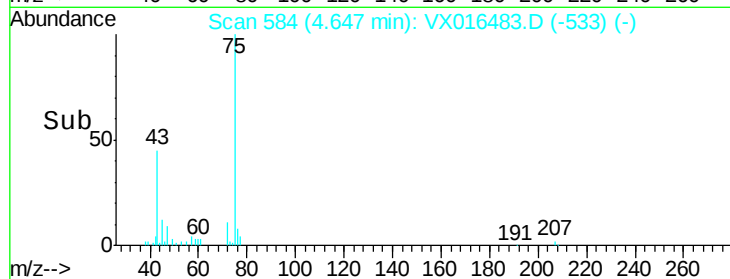
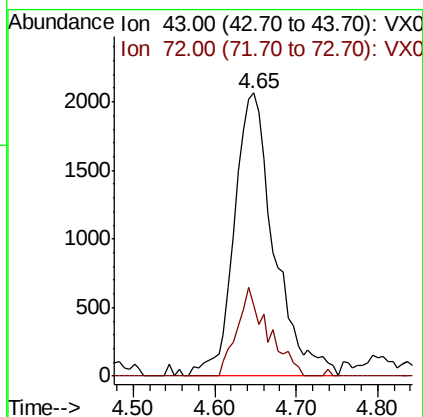
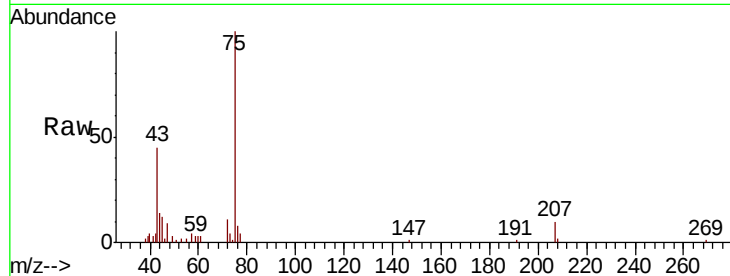
LG-C

Tot Ion: 43 Resp: 6974

Ion Ratio Lower Upper

43 100

72 24.9 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.253 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

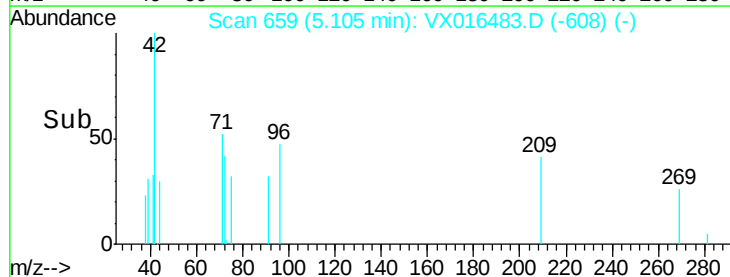
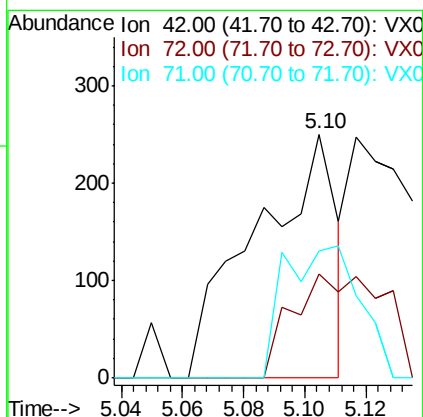
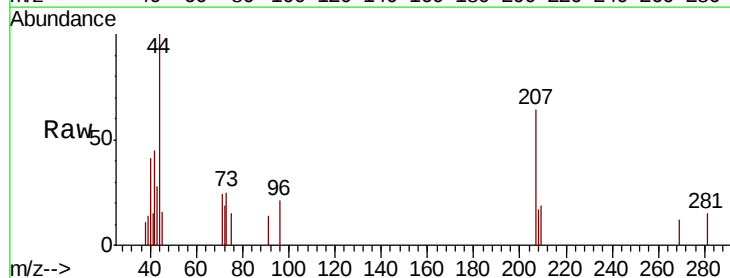
Tgt Ion: 42 Resp: 459

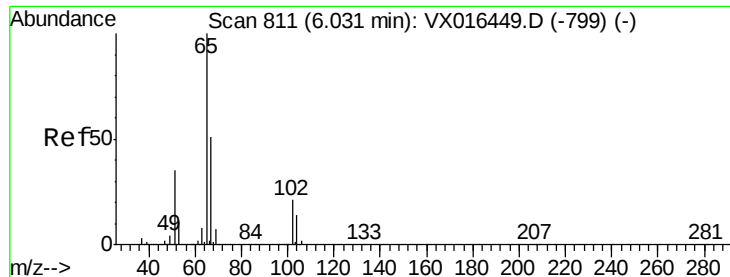
Ion Ratio Lower Upper

42 100

72 52.5 37.0 55.4

71 50.3 34.1 51.1





#33

1,2-Dichloroethane-d4

Concen: 48.016 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

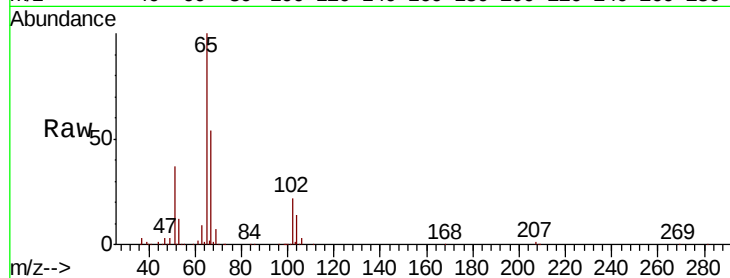
LG-C

Tot Ion: 65 Resp: 181599

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

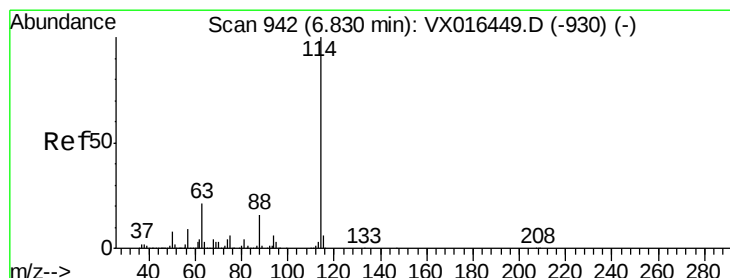
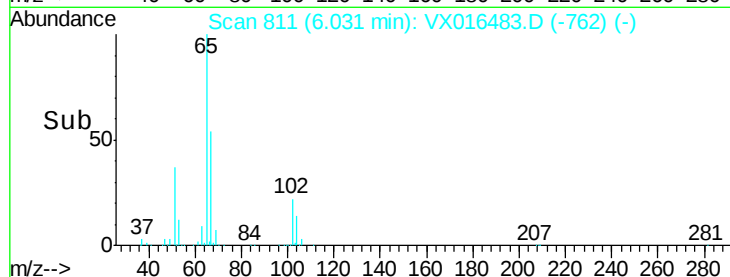
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

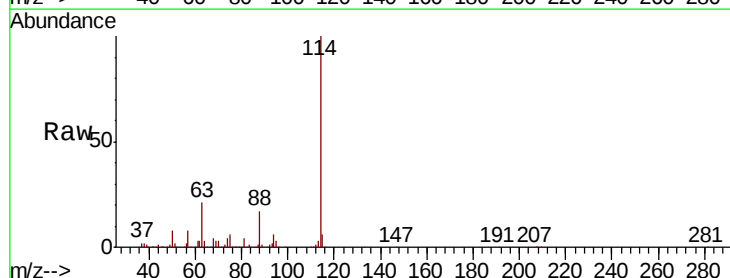
Tgt Ion: 114 Resp: 493829

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 16.6 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

6.84

250000

200000

150000

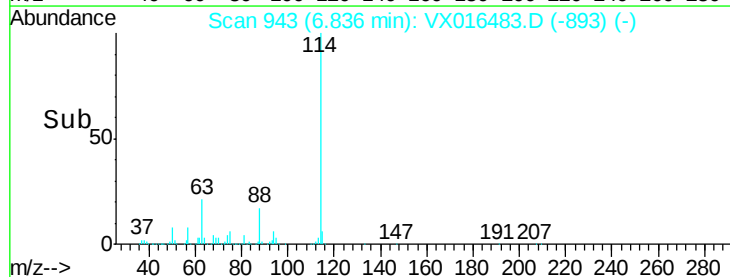
100000

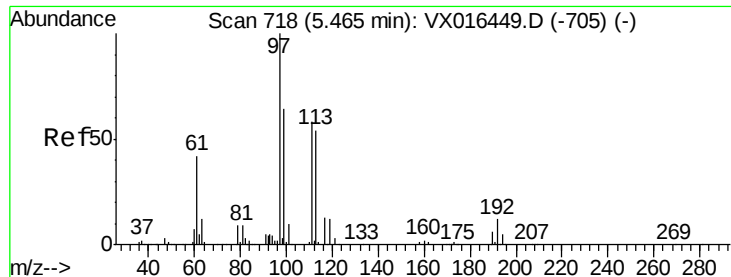
50000

0

Time-->

6.70 6.80 6.90

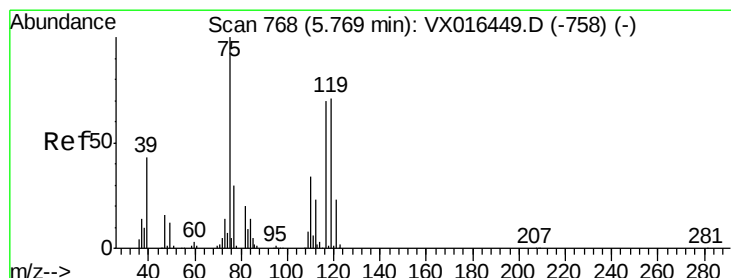
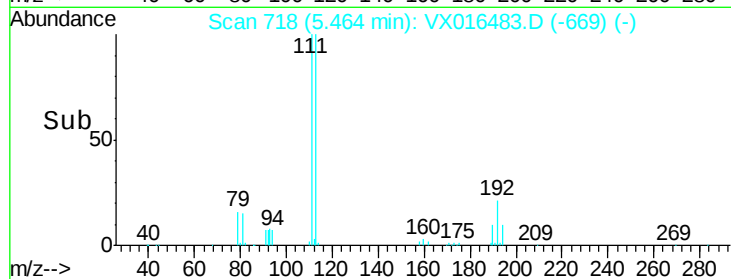
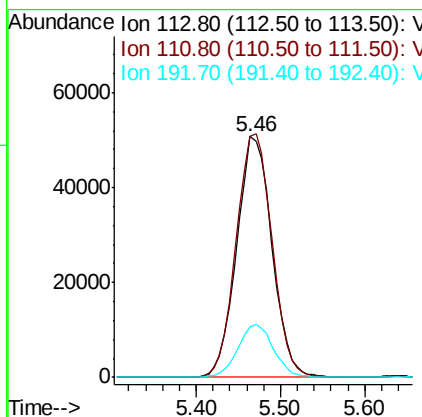
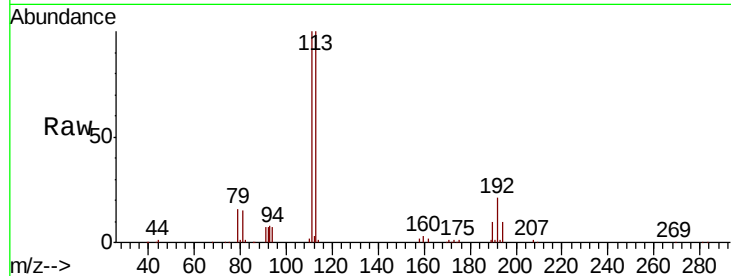




#35
 Dibromofluoromethane
 Concen: 47.156 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016483.D
 Acq: 28 May 2020 14:23

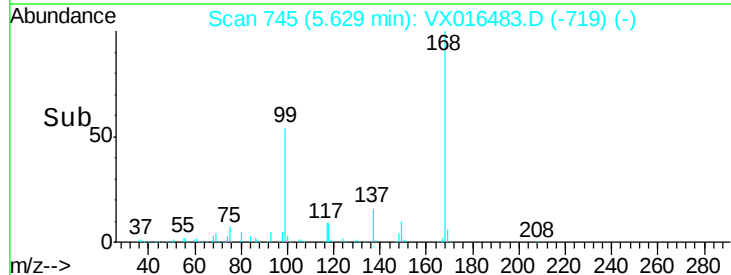
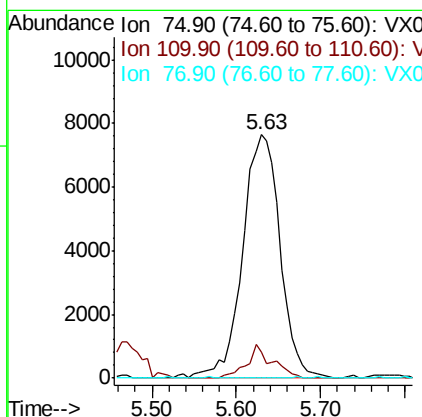
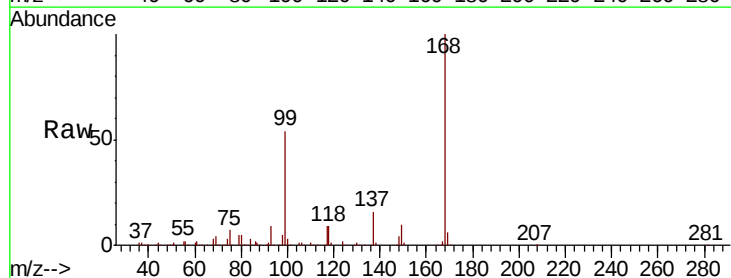
Instrument :
 MSVOA_X
 ClientSampleId :
 LG-C

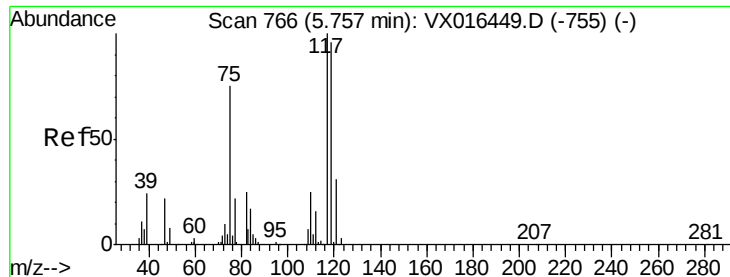
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.6
192	22.1	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016483.D
 Acq: 28 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.940 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampled :

LG-C

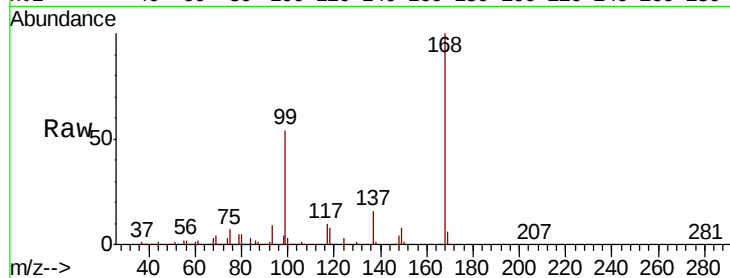
Tot Ion:117 Resp: 29188

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

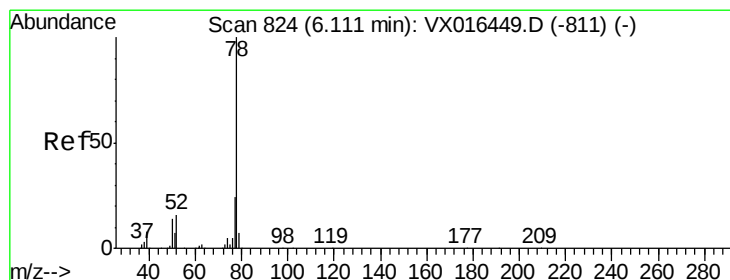
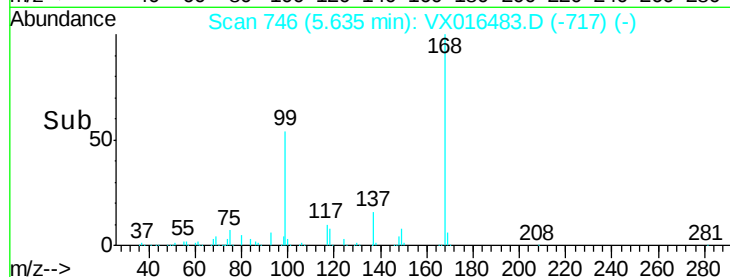
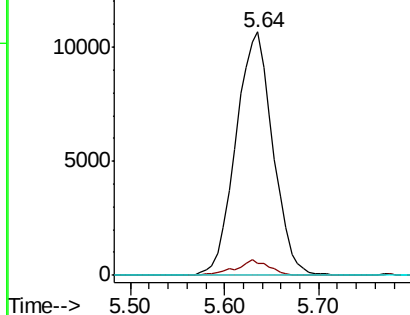
121 0.0 24.6 37.0#



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: 0.667 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016483.D

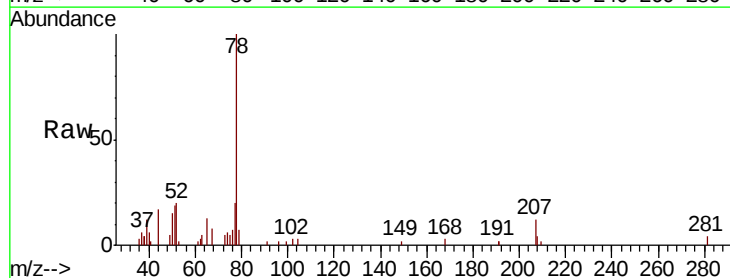
Acq: 28 May 2020 14:23

Tgt Ion: 78 Resp: 9291

Ion Ratio Lower Upper

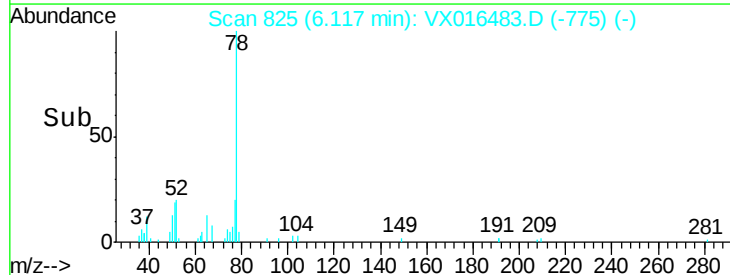
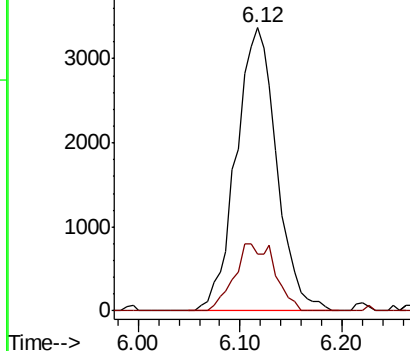
78 100

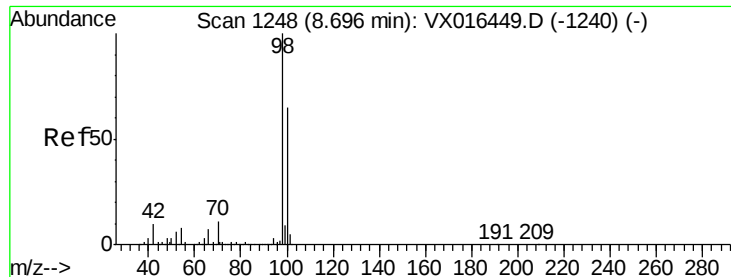
77 20.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 51.661 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

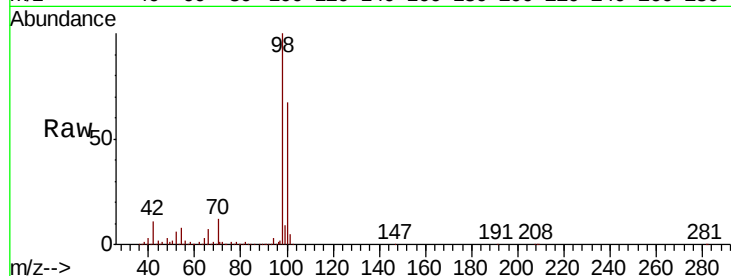
LG-C

Tot Ion: 98 Resp: 611417

Ion Ratio Lower Upper

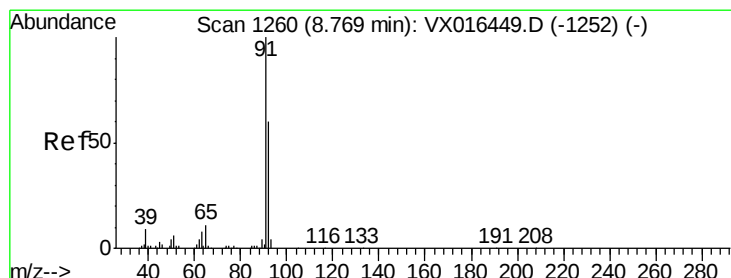
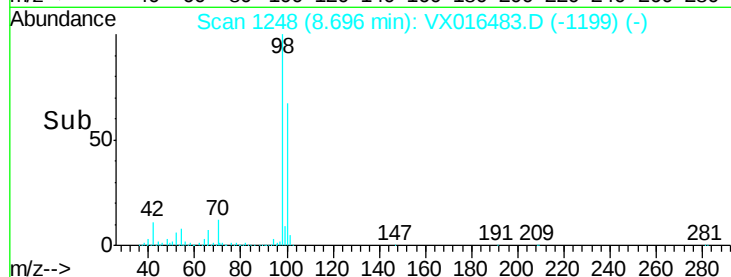
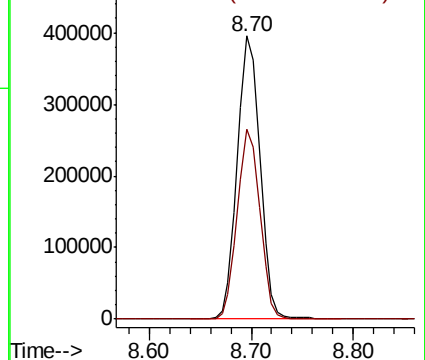
98 100

100 67.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.204 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016483.D

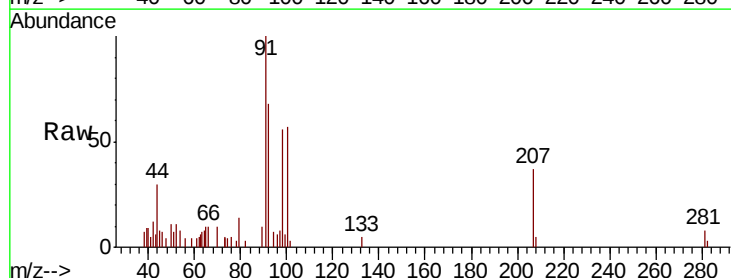
Acq: 28 May 2020 14:23

Tgt Ion: 92 Resp: 1787

Ion Ratio Lower Upper

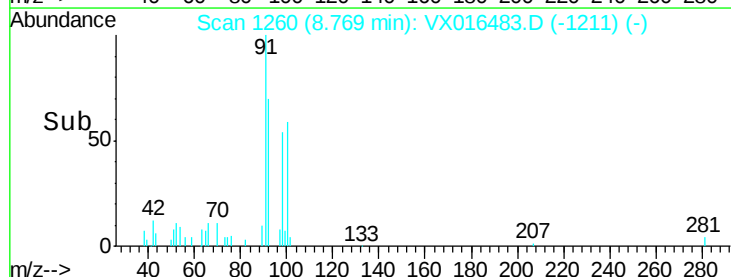
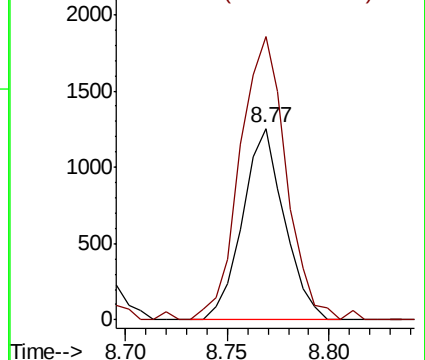
92 100

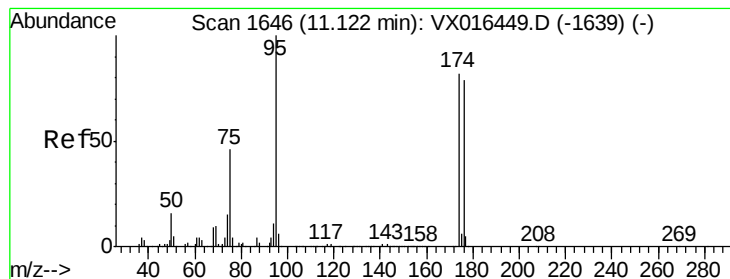
91 164.0 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.687 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampled :

LG-C

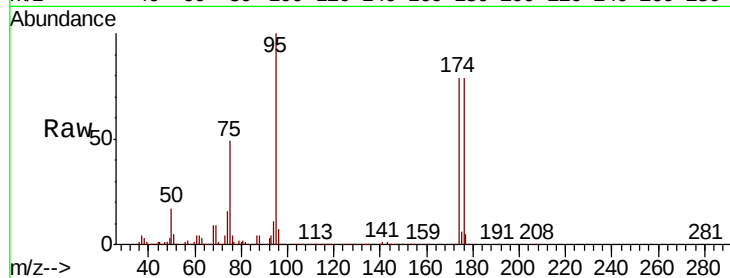
Tot Ion: 95 Resp: 245514

Ion Ratio Lower Upper

95 100

174 81.4 0.0 163.0

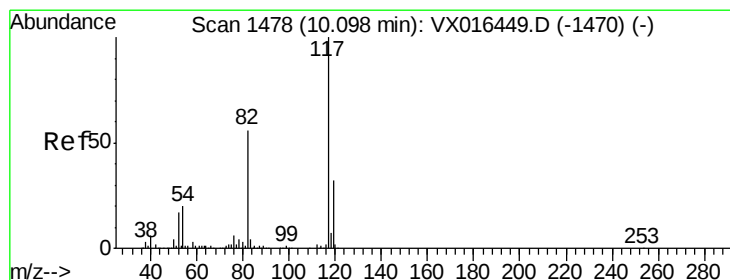
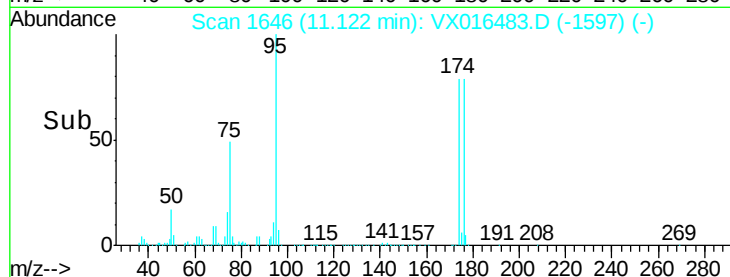
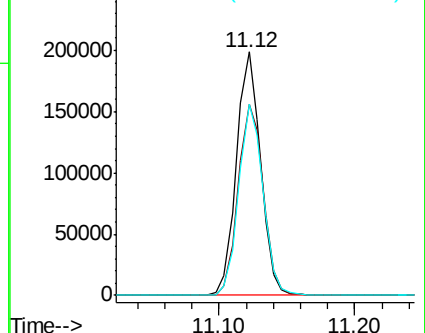
176 79.1 0.0 156.8



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: VX016483.D

Acq: 28 May 2020 14:23

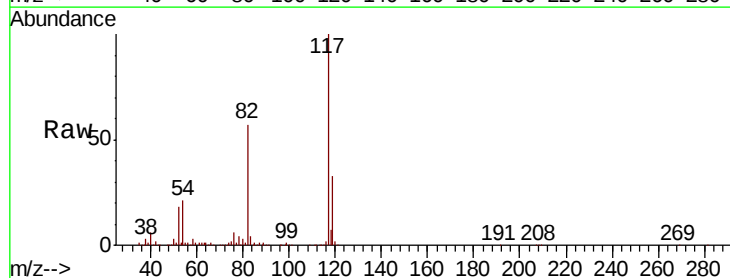
Tgt Ion: 117 Resp: 485928

Ion Ratio Lower Upper

117 100

82 57.3 45.0 67.6

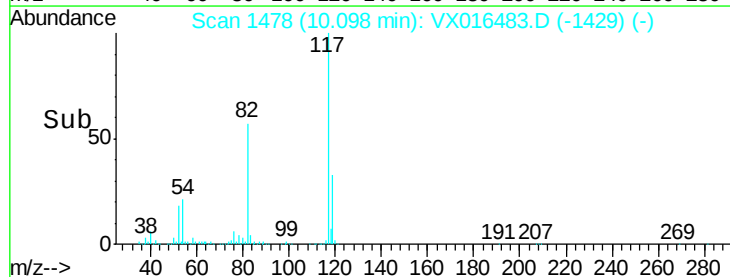
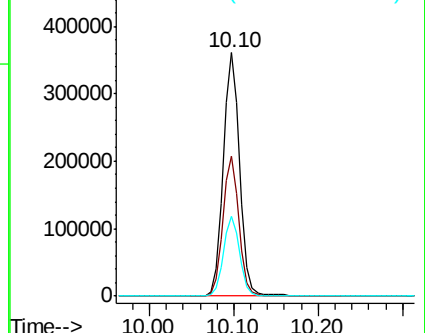
119 32.6 25.8 38.8

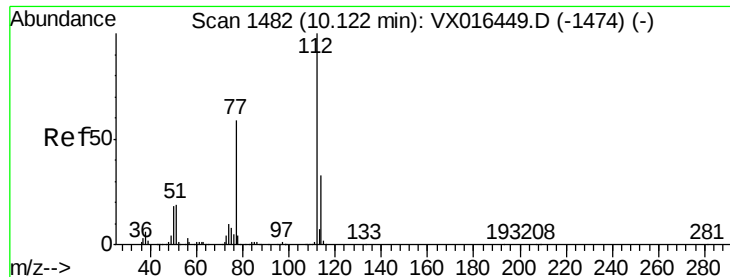


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

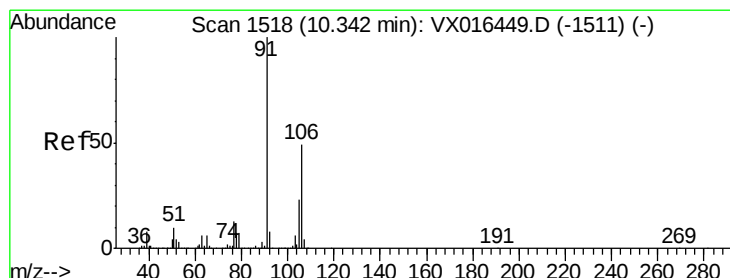
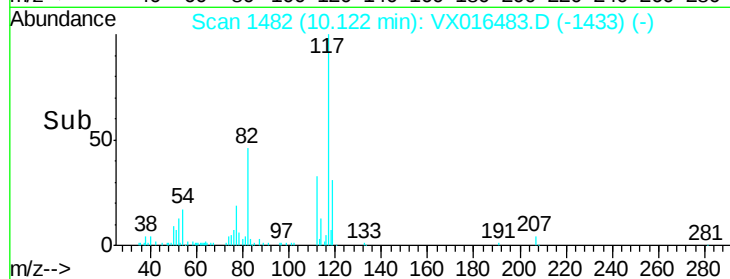
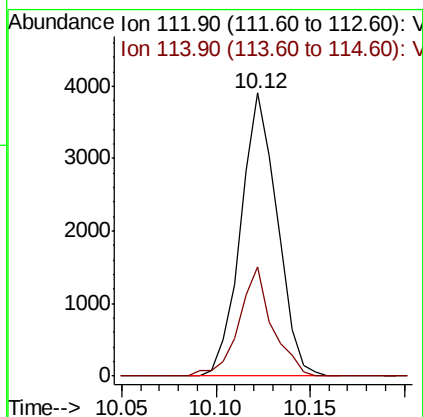
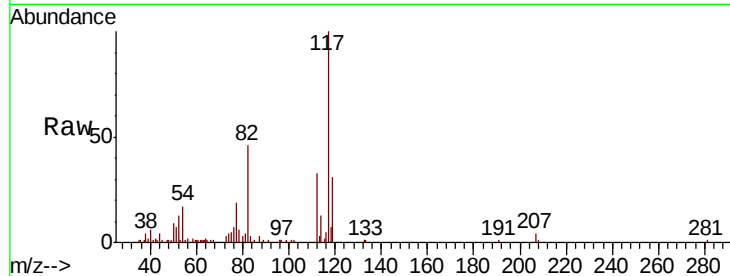




#65
Chlorobenzene
Concen: 0.530 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016483.D
Acq: 28 May 2020 14:23

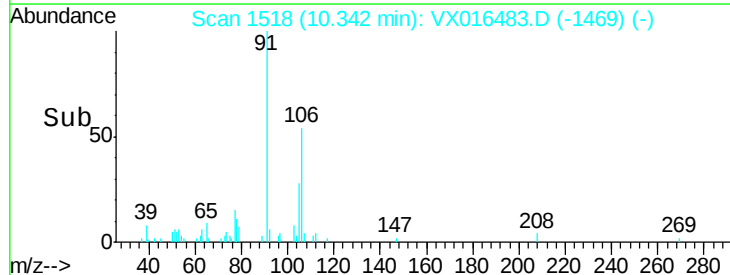
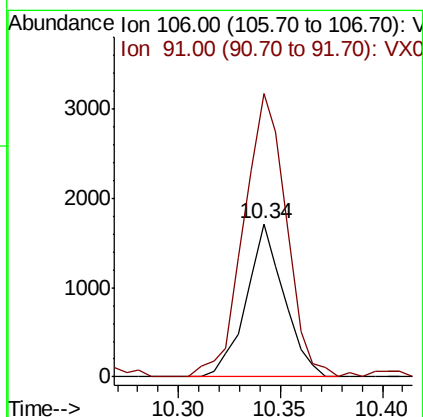
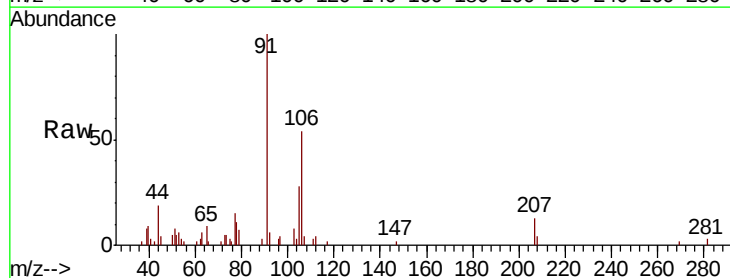
Instrument :
MSVOA_X
ClientSampled :
LG-C

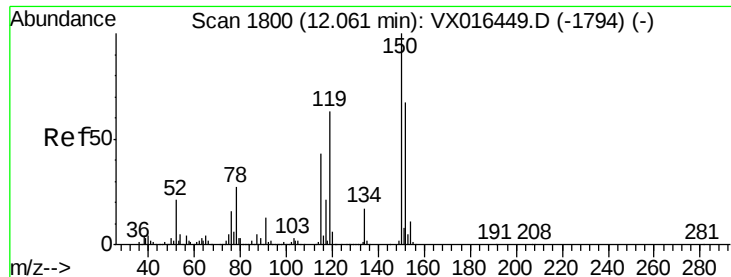
Tot Ion:112 Resp: 5249
Ion Ratio Lower Upper
112 100
114 38.7 26.0 39.0



#68
m/p-Xylenes
Concen: 0.337 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016483.D
Acq: 28 May 2020 14:23

Tgt Ion:106 Resp: 2206
Ion Ratio Lower Upper
106 100
91 209.0 163.8 245.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

LG-C

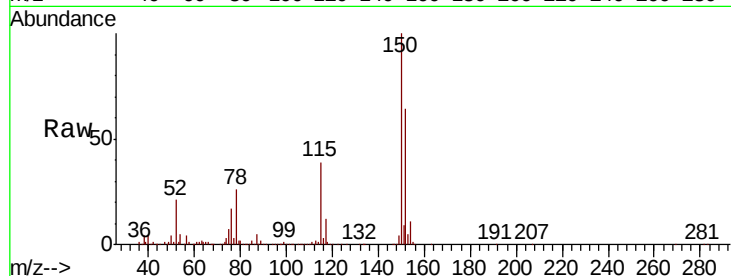
Tot Ion:152 Resp: 242559

Ion Ratio Lower Upper

152 100

115 58.1 39.9 119.6

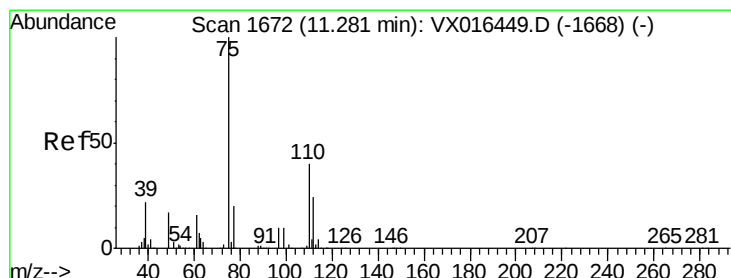
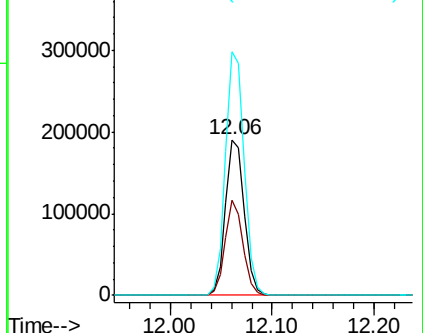
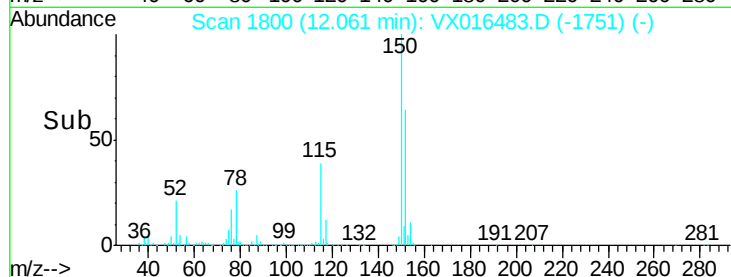
150 156.1 0.0 341.0



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: 22.578 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016483.D

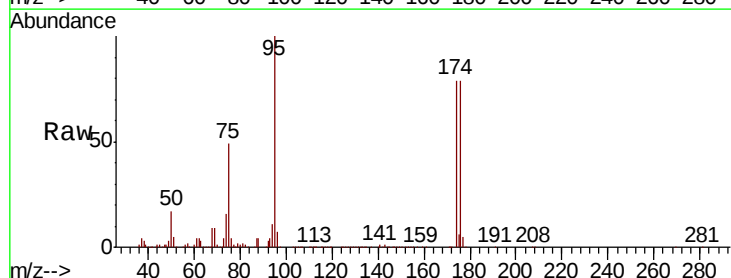
Acq: 28 May 2020 14:23

Tgt Ion: 75 Resp: 120377

Ion Ratio Lower Upper

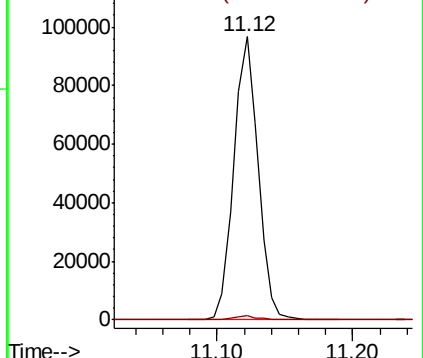
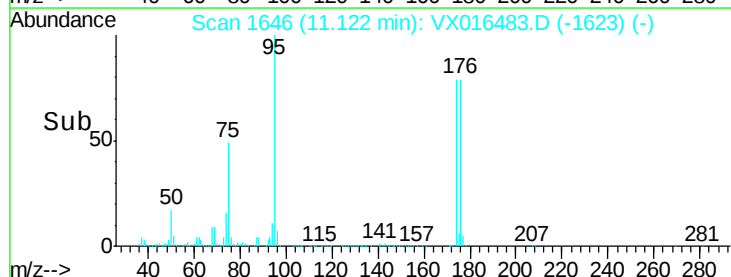
75 100

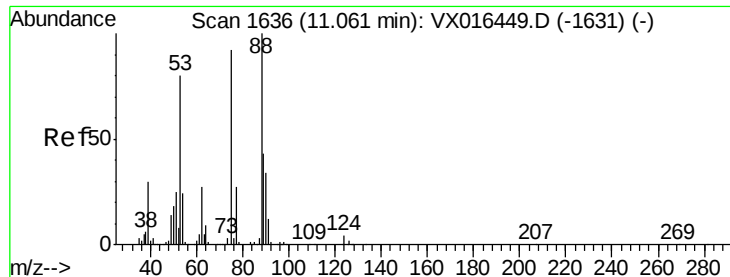
77 1.4 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.539 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

LG-C

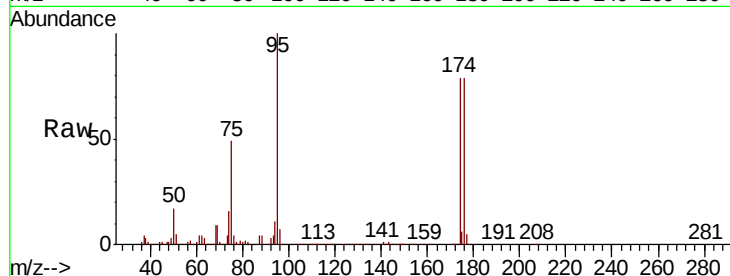
Tot Ion: 75 Resp: 120377

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

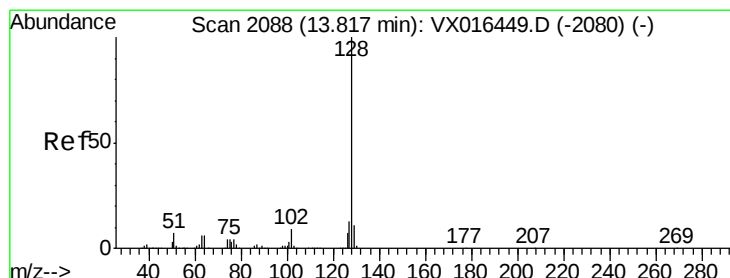
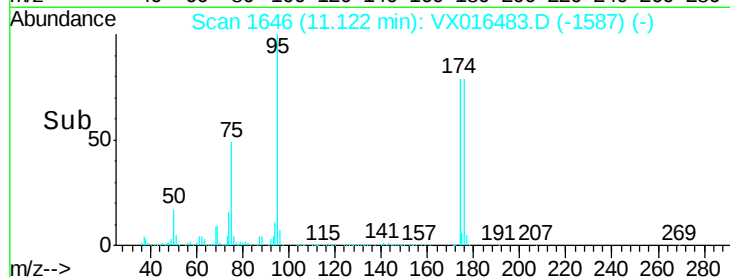
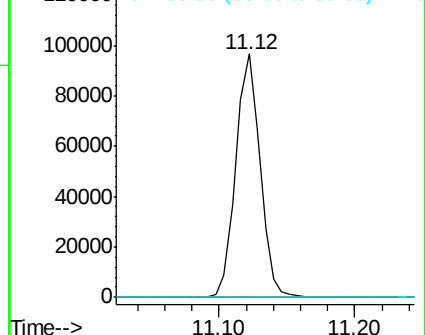
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 3.067 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

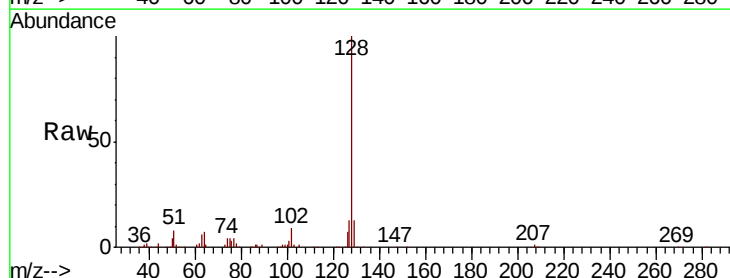
Tgt Ion: 128 Resp: 51673

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.3 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

