

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016610.D
 Acq On : 05 Jun 2020 14:47
 Operator : JC/SP
 Sample : L2894-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012-RW161-200601

Quant Time: Jun 06 06:00:51 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	5.63	168	218547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	348087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	346017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	176482	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	131128	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	5.47	113	105522	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	8.70	98	429287	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.12	95	168443	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

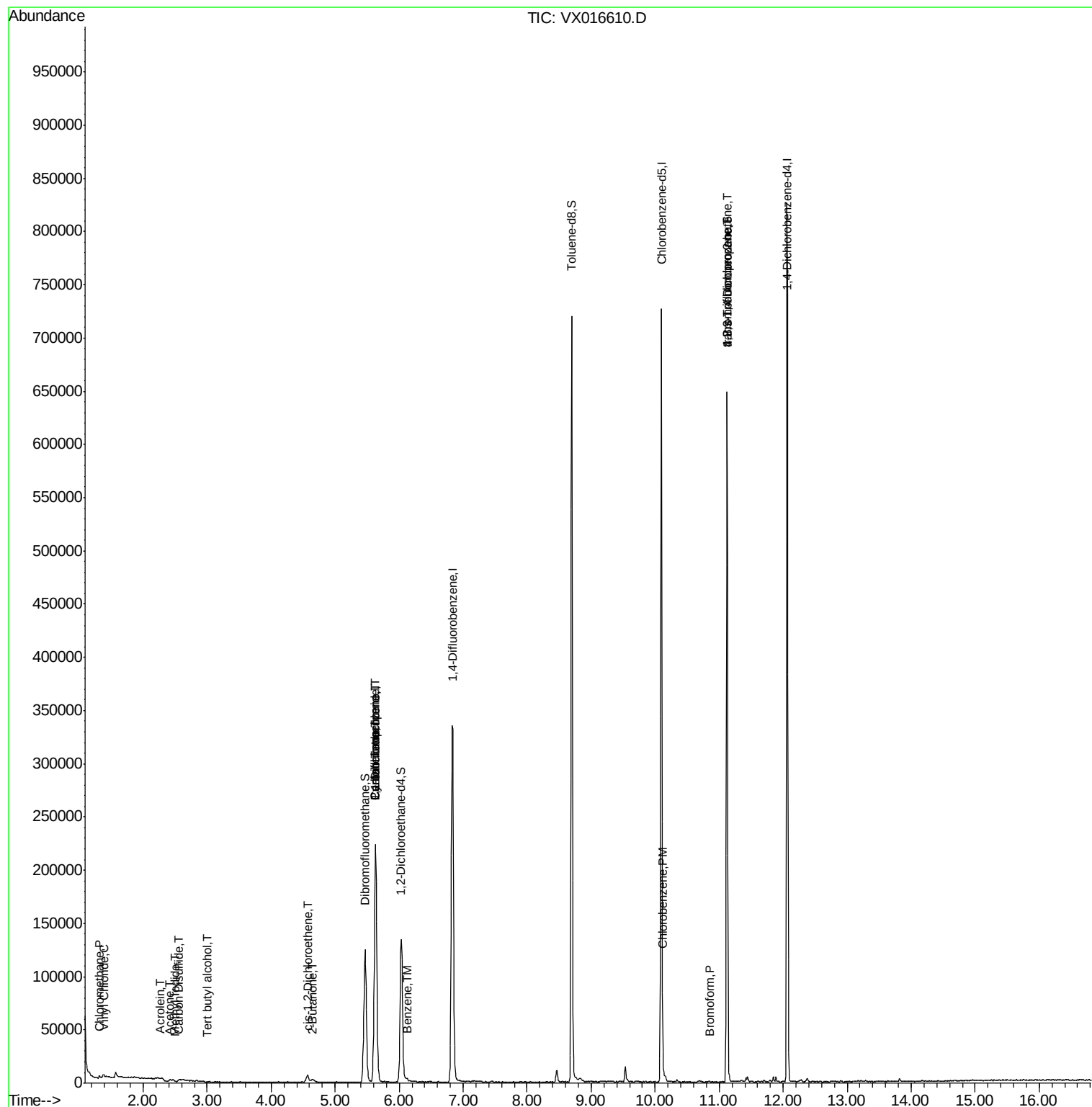
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1152	0.44	ug/l	91
4) Vinyl Chloride	1.39	62	670	0.24	ug/l	92
10) Methyl Iodide	2.50	142	78	3.09	ug/l #	79
11) Tert butyl alcohol	3.00	59	221	0.32	ug/l #	72
13) Acrolein	2.28	56	248	0.84	ug/l #	13
16) Acetone	2.42	43	2105	1.77	ug/l	100
17) Carbon Disulfide	2.56	76	3517	0.56	ug/l	96
25) 2-Butanone	4.64	43	440	0.22	ug/l #	76
27) cis-1,2-Dichloroethene	4.57	96	4469	1.66	ug/l	82
31) Cyclohexane	5.62	56	3822	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15057	4.57	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20659	5.96	ug/l #	16
40) Benzene	6.12	78	3420	0.35	ug/l	100
65) Chlorobenzene	10.12	112	2925	0.41	ug/l	99
71) Bromoform	10.85	173	493	0.22	ug/l #	29
76) 1,2,3-Trichloropropane	11.12	75	82316	21.22	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	82316	52.20	ug/l #	14

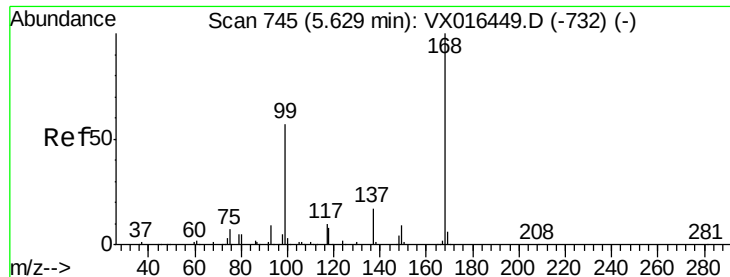
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

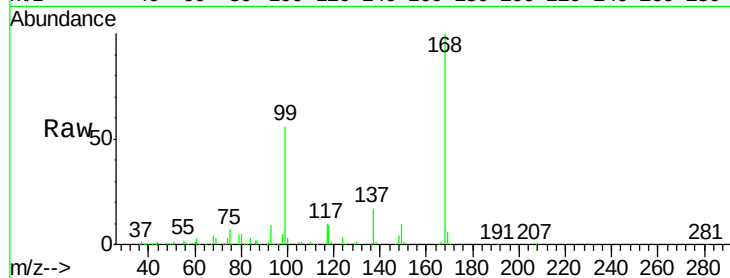
LF012-RW161-200601

Tgt Ion:168 Resp: 218547

Ion Ratio Lower Upper

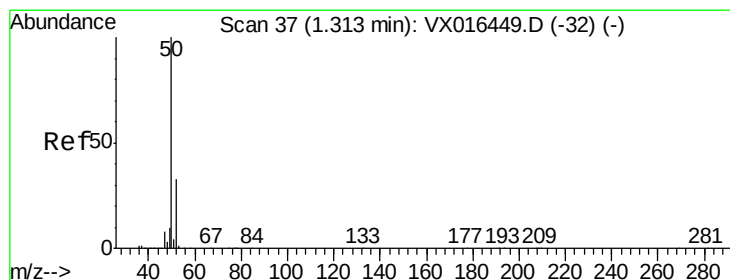
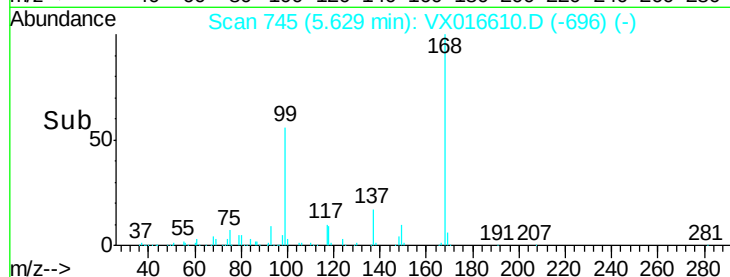
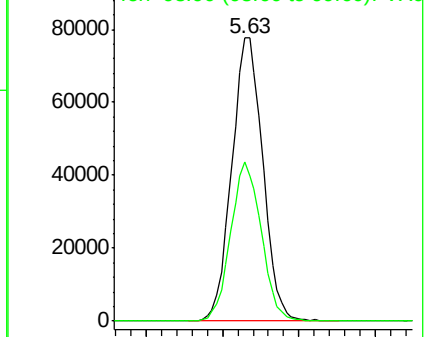
168 100

99 56.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.44 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016610.D

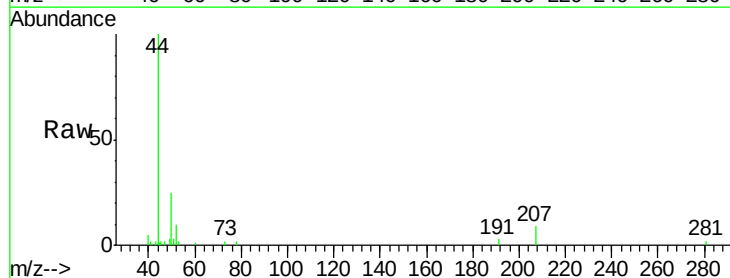
Acq: 05 Jun 2020 14:47

Tgt Ion: 50 Resp: 1152

Ion Ratio Lower Upper

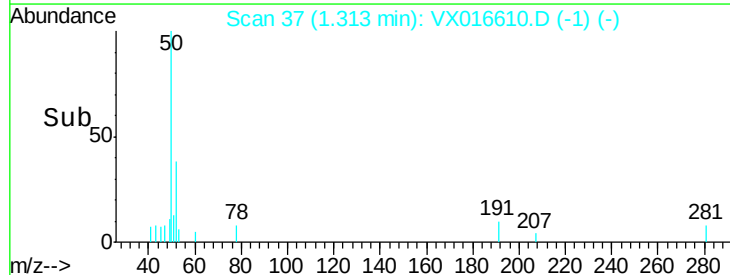
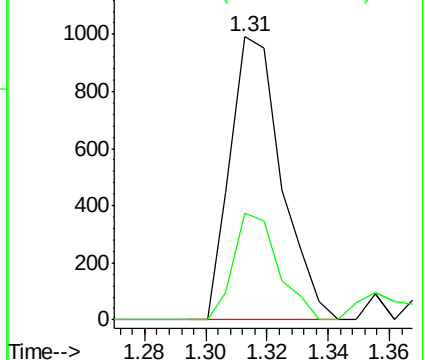
50 100

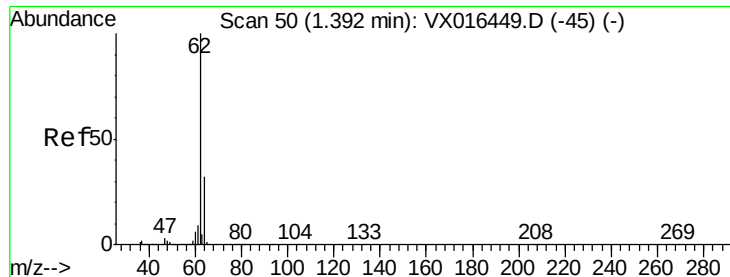
52 37.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.24 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

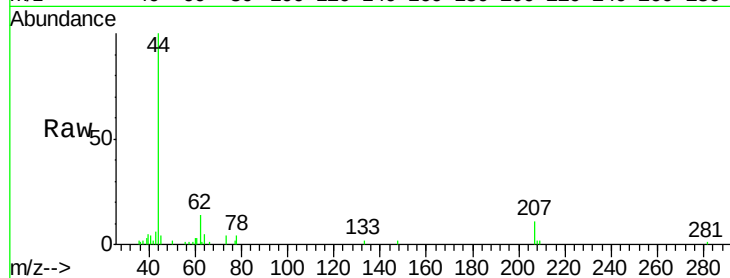
LF012-RW161-200601

Tgt Ion: 62 Resp: 670

Ion Ratio Lower Upper

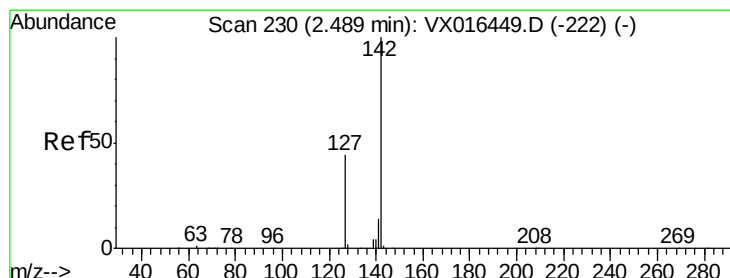
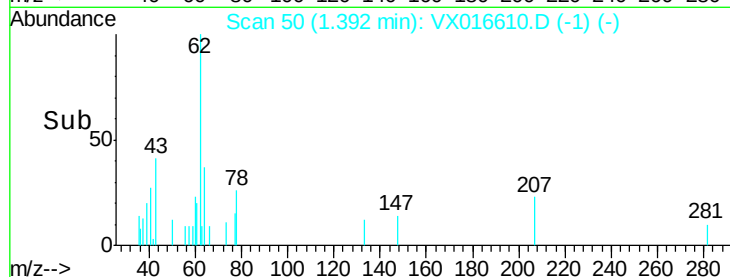
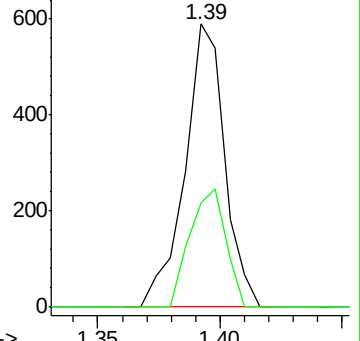
62 100

64 36.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 3.09 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

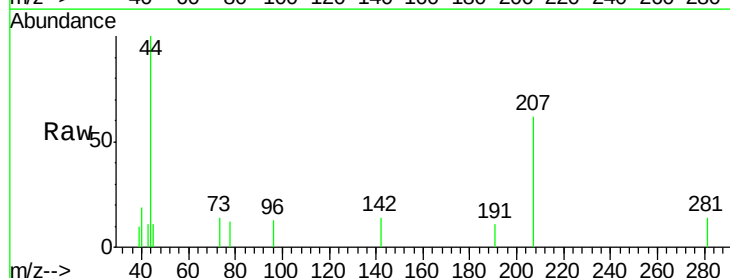
Tgt Ion: 142 Resp: 78

Ion Ratio Lower Upper

142 100

127 33.3 35.3 52.9#

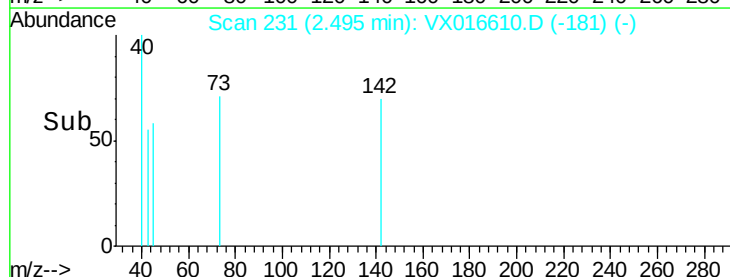
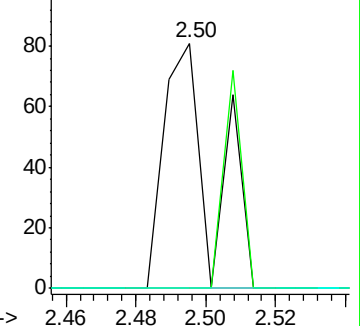
141 0.0 11.4 17.2#

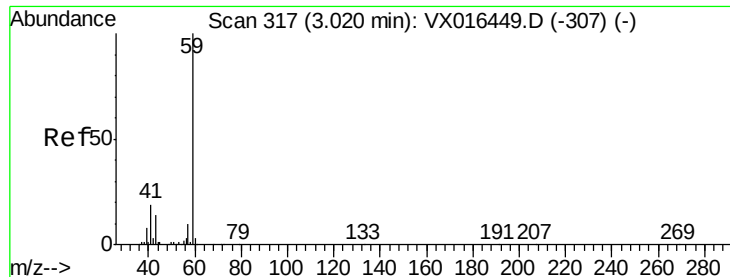


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

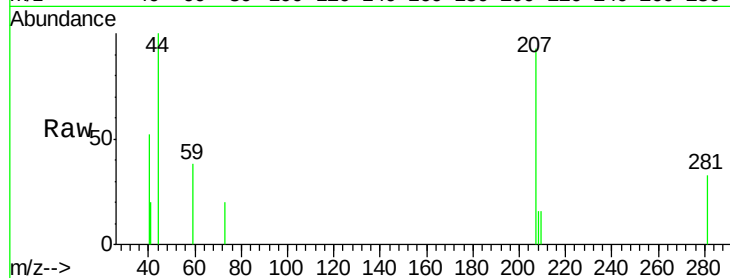




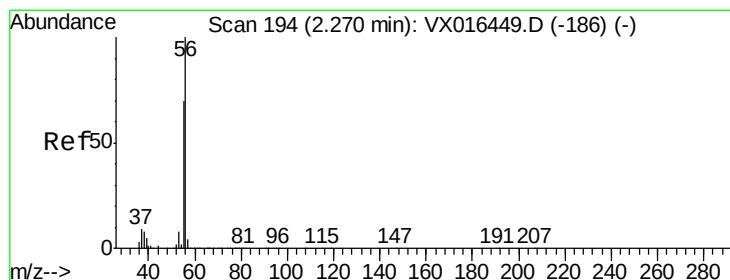
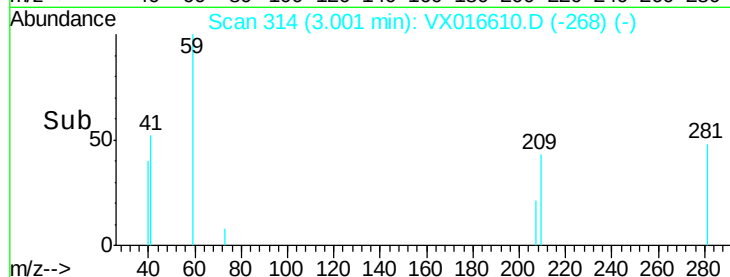
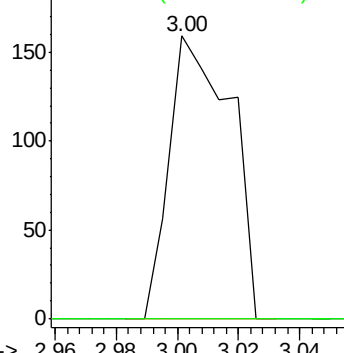
#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016610.D
Acq: 05 Jun 2020 14:47

Instrument :
MSVOA_X
ClientSampleId :
LF012-RW161-200601

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

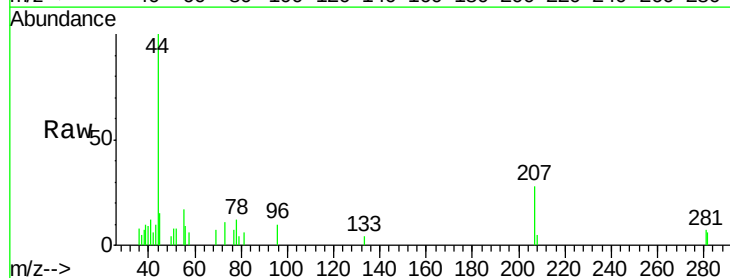


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

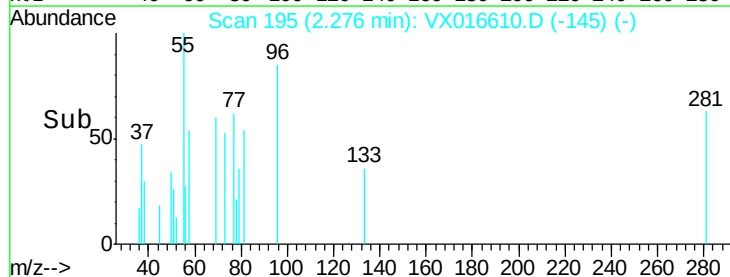
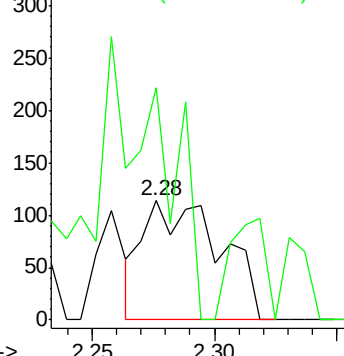


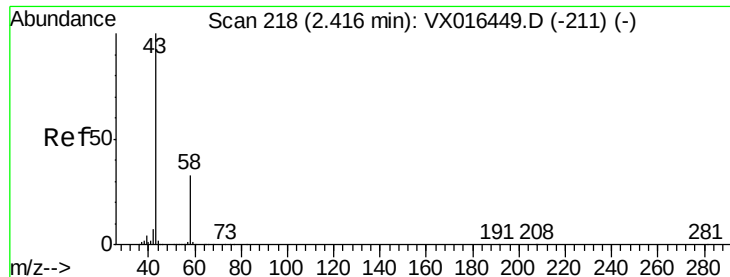
#13
Acrolein
Concen: 0.84 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016610.D
Acq: 05 Jun 2020 14:47

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.77 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

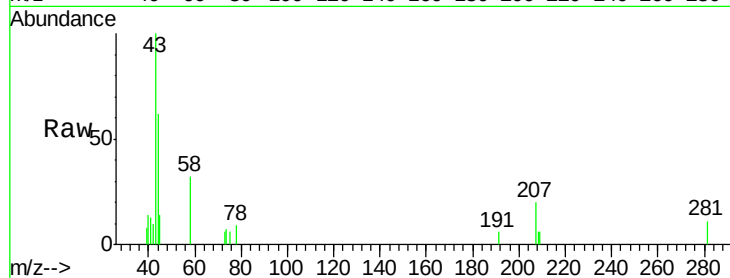
LF012-RW161-200601

Tgt Ion: 43 Resp: 2105

Ion Ratio Lower Upper

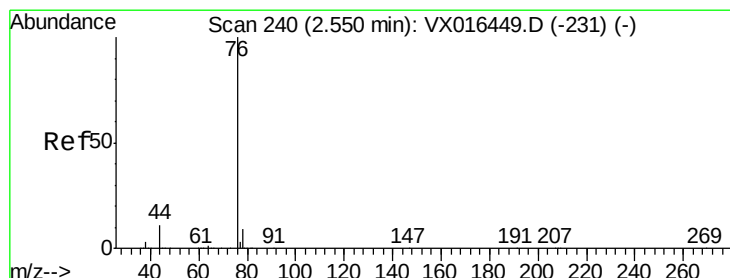
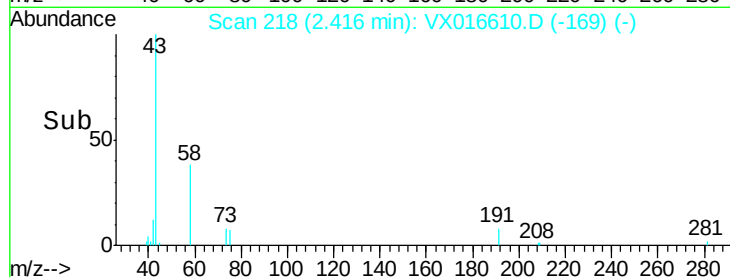
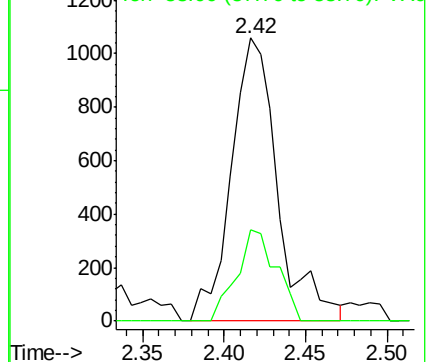
43 100

58 32.3 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: 0.56 ug/l

RT: 2.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX016610.D

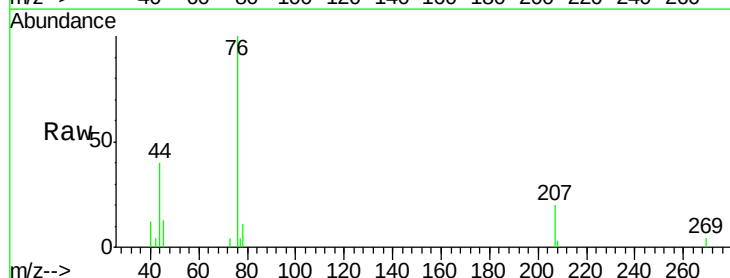
Acq: 05 Jun 2020 14:47

Tgt Ion: 76 Resp: 3517

Ion Ratio Lower Upper

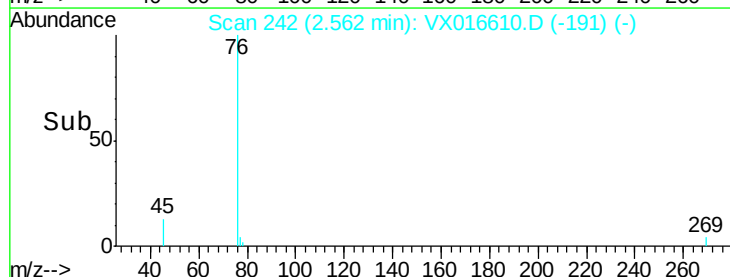
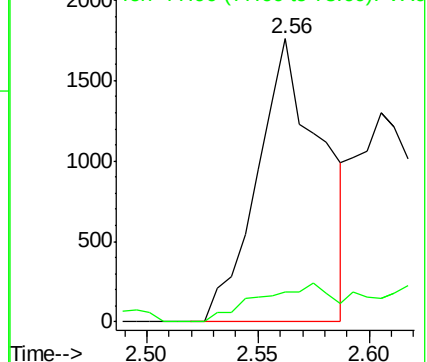
76 100

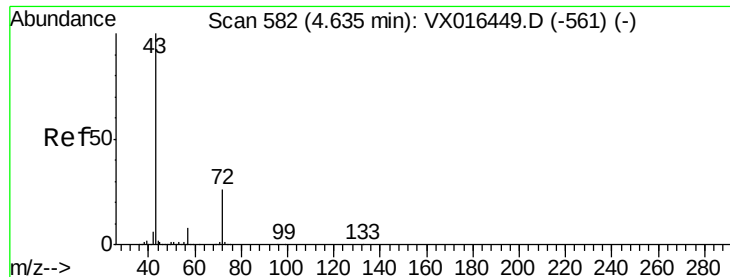
78 10.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

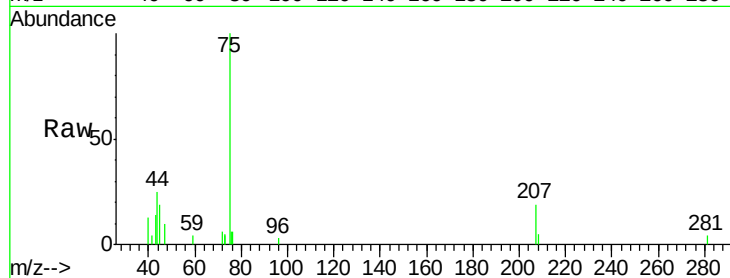
LF012-RW161-200601

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

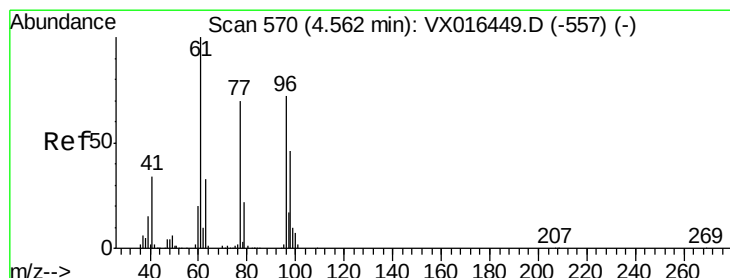
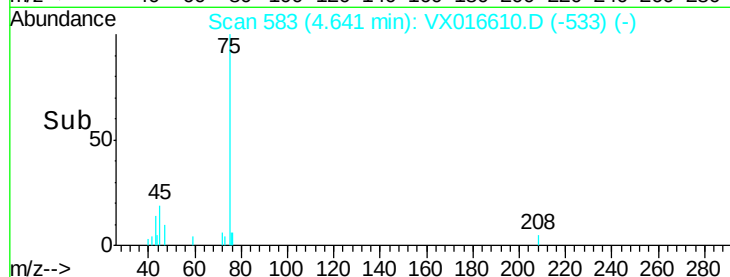
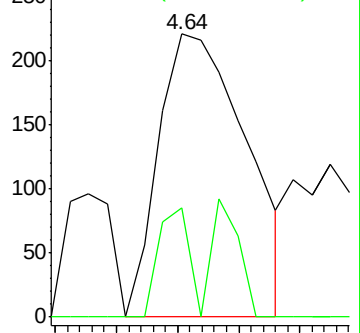
43 100

72 38.5 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.66 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

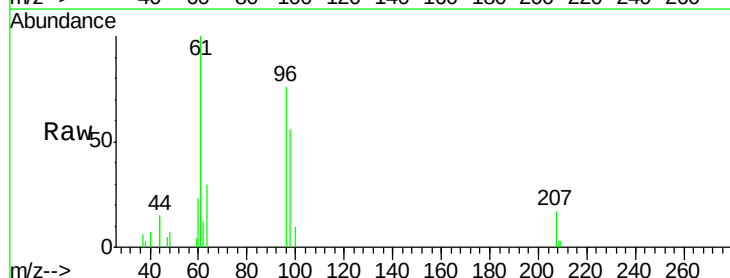
Tgt Ion: 96 Resp: 4469

Ion Ratio Lower Upper

96 100

61 112.7 0.0 284.6

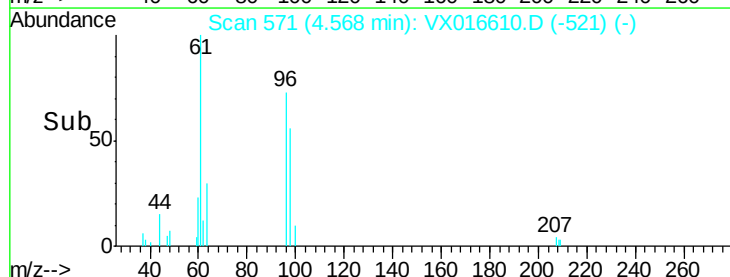
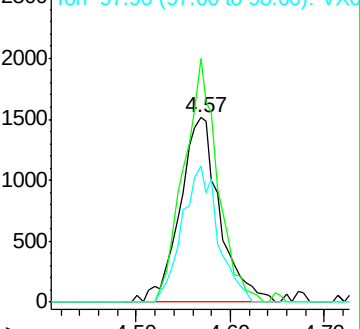
98 66.6 0.0 127.2

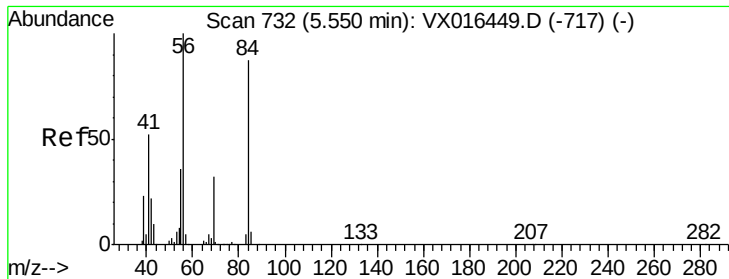


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

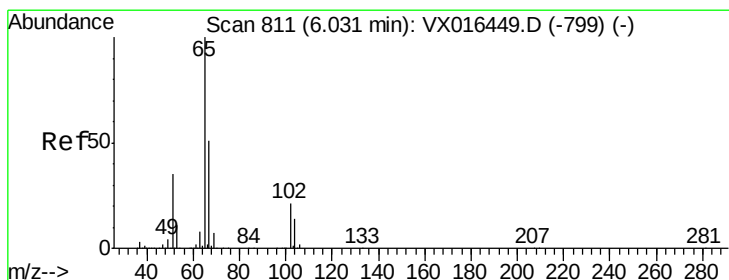
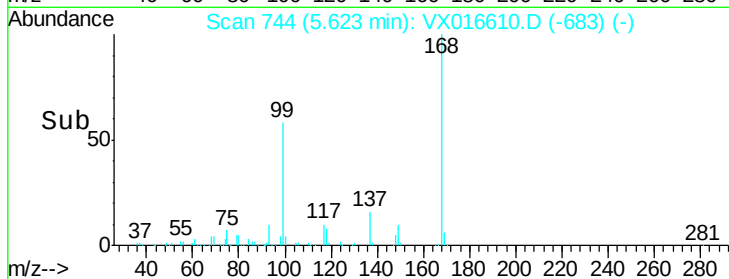
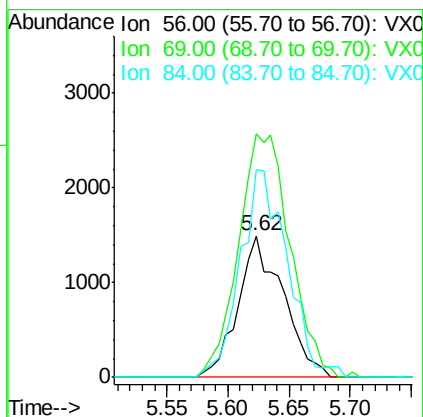
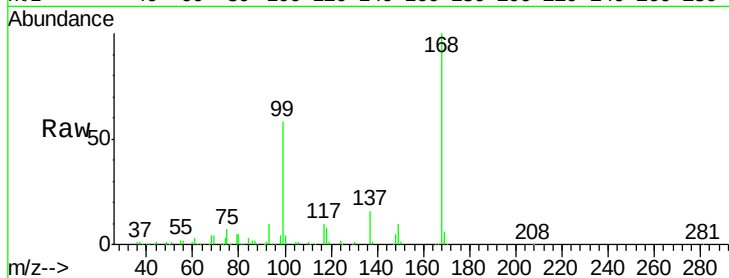




#31
Cyclohexane
Concen: 1.01 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016610.D
Acq: 05 Jun 2020 14:47

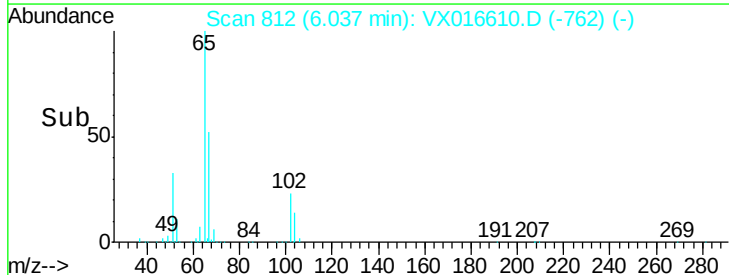
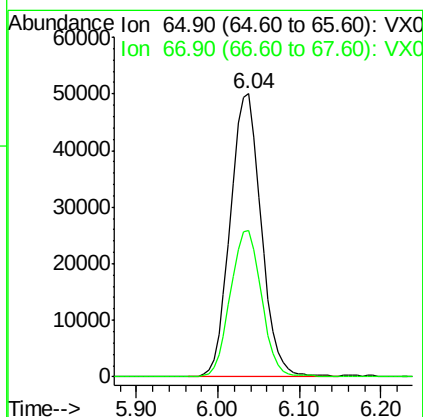
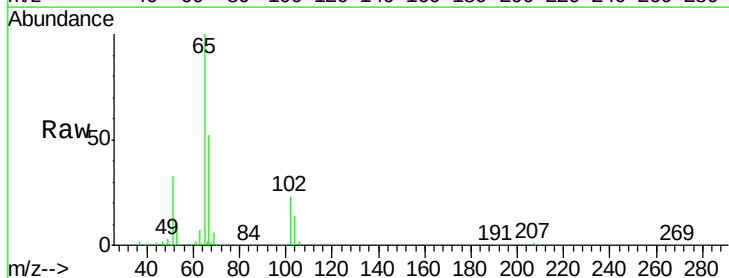
Instrument :
MSVOA_X
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LF012-RW161-200601

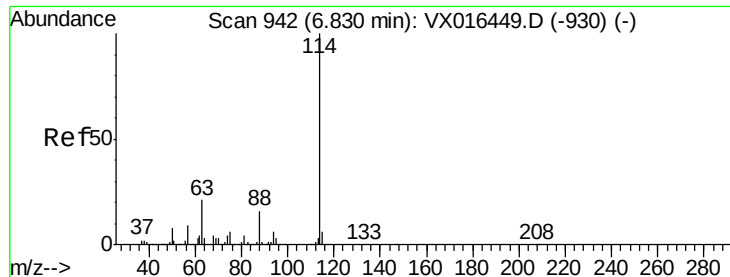
Tgt Ion: 56 Resp: 3822
Ion Ratio Lower Upper
56 100
69 172.4 25.7 38.5#
84 147.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.31 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016610.D
Acq: 05 Jun 2020 14:47

Tgt Ion: 65 Resp: 131128
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

LF012-RW161-200601

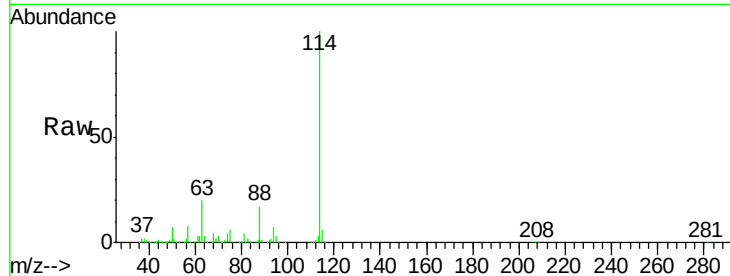
Tgt Ion:114 Resp: 348087

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

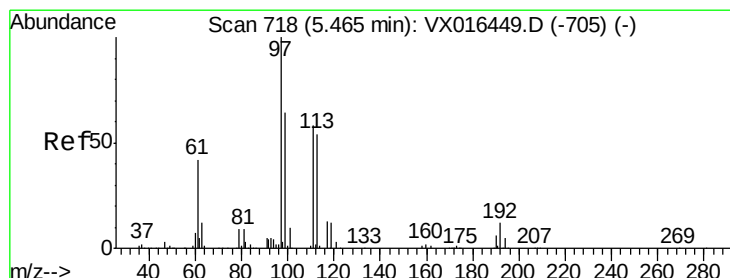
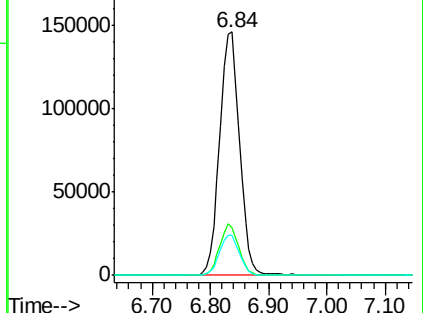
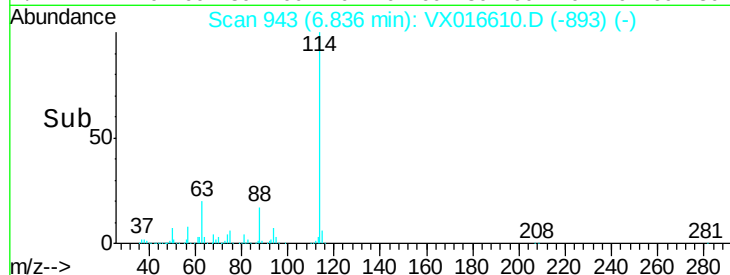
88 16.5 0.0 32.8



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: 49.23 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

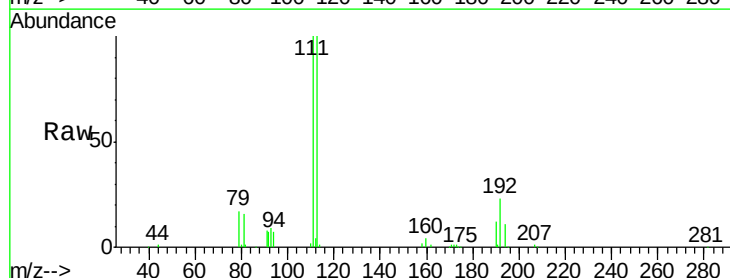
Tgt Ion:113 Resp: 105522

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.6

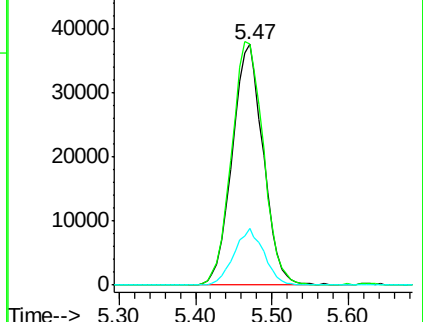
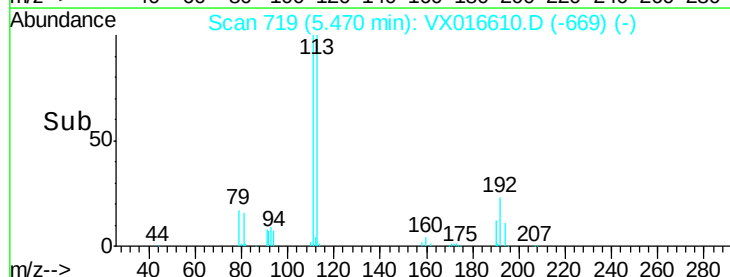
192 22.8 17.7 26.5

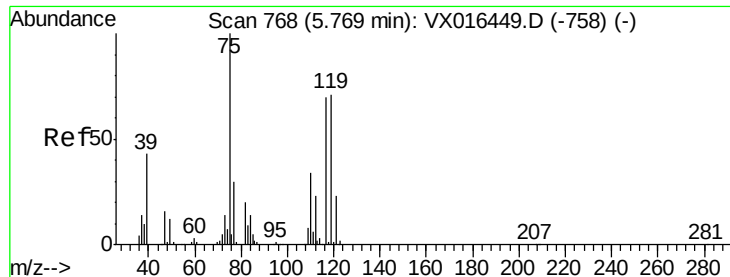


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.57 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

LF012-RW161-200601

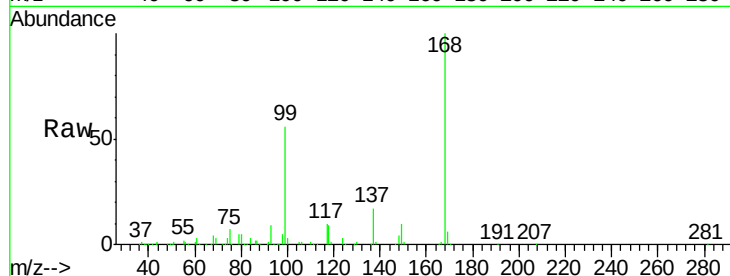
Tgt Ion: 75 Resp: 15057

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

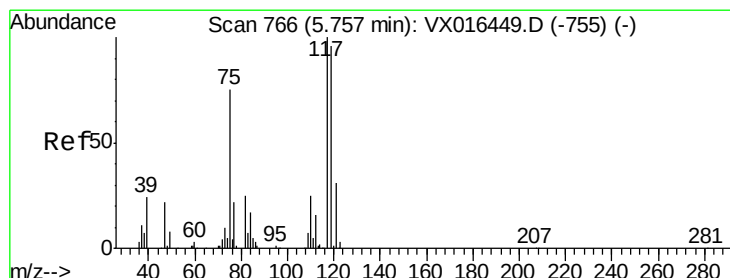
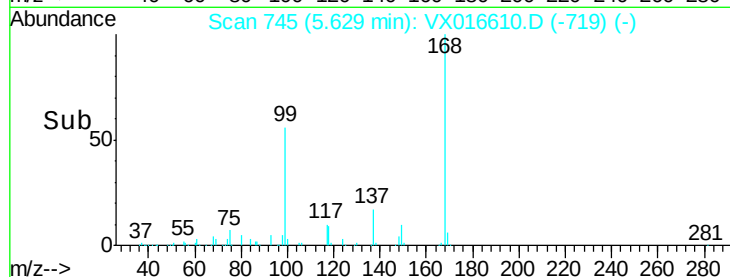
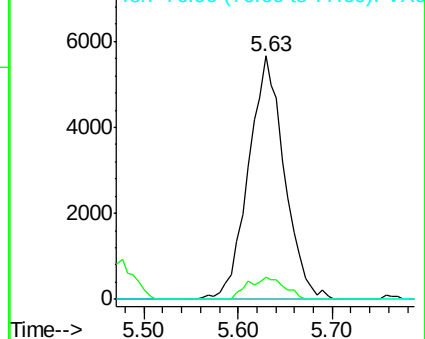
77 0.0 24.2 36.4#



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: 5.96 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

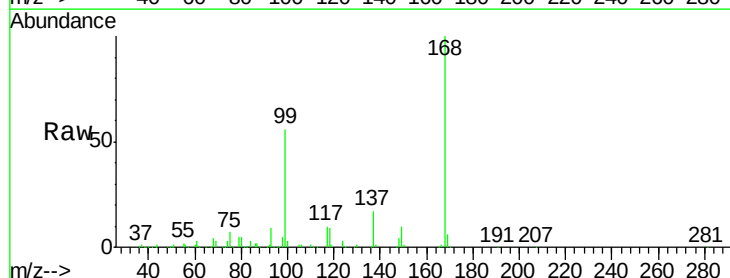
Tgt Ion: 117 Resp: 20659

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

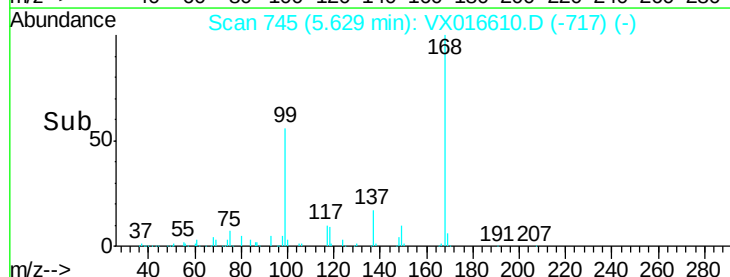
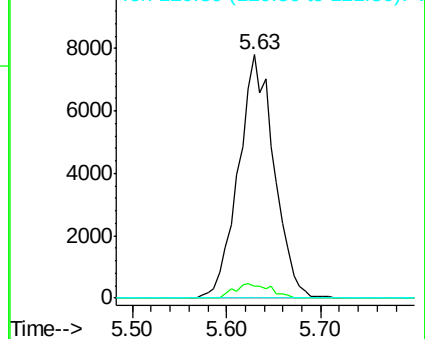
121 0.0 24.6 37.0#

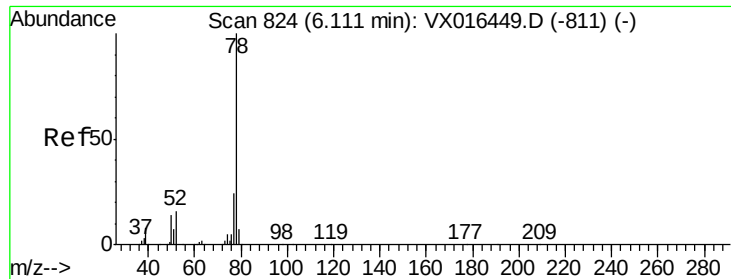


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.35 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

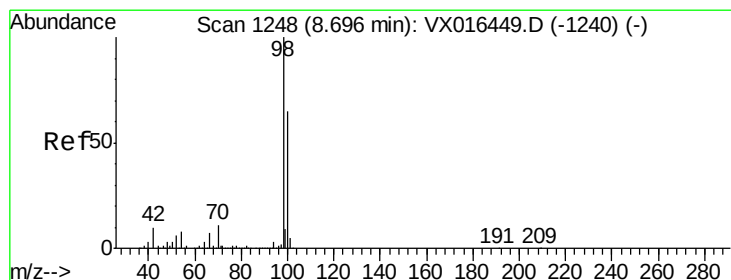
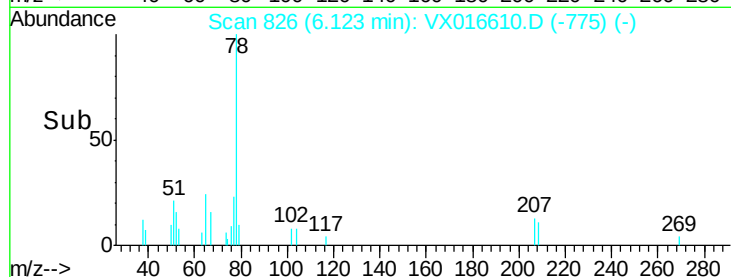
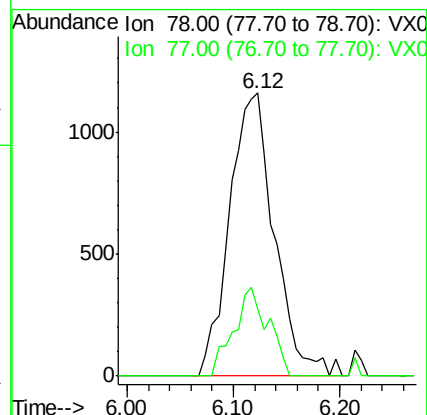
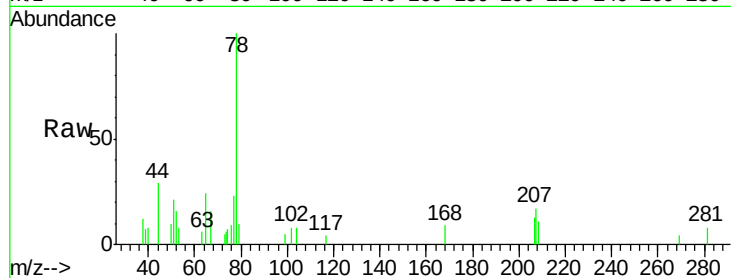
LF012-RW161-200601

Tgt Ion: 78 Resp: 3420

Ion Ratio Lower Upper

78 100

77 23.5 18.9 28.3



#50

Toluene-d8

Concen: 51.46 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016610.D

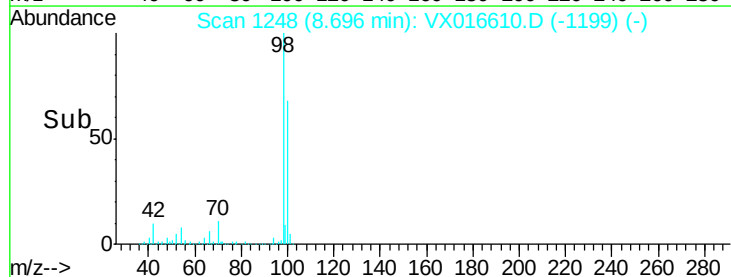
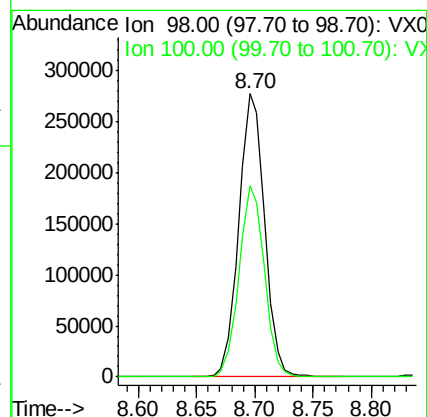
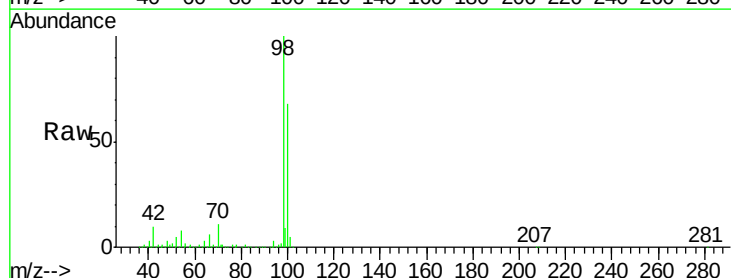
Acq: 05 Jun 2020 14:47

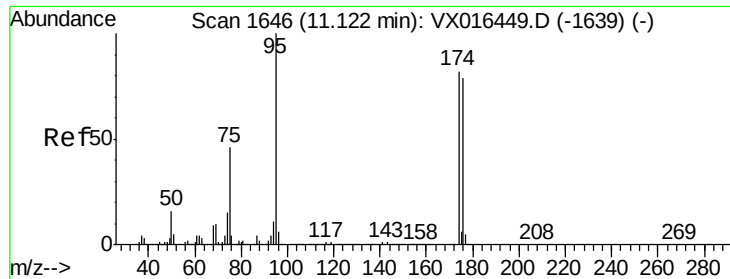
Tgt Ion: 98 Resp: 429287

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6

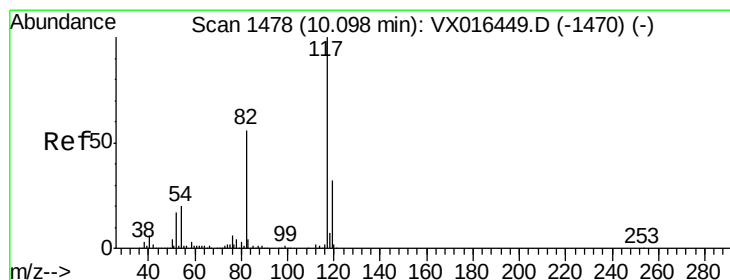
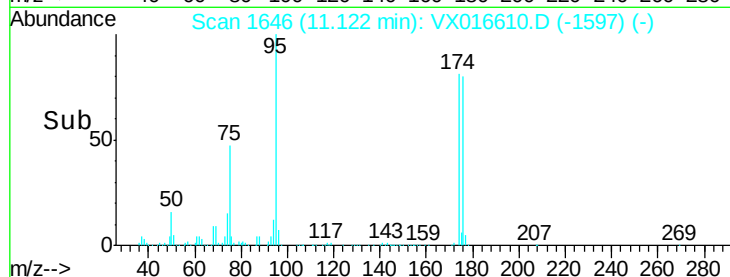
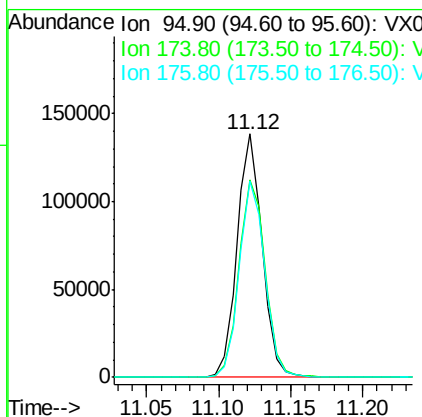
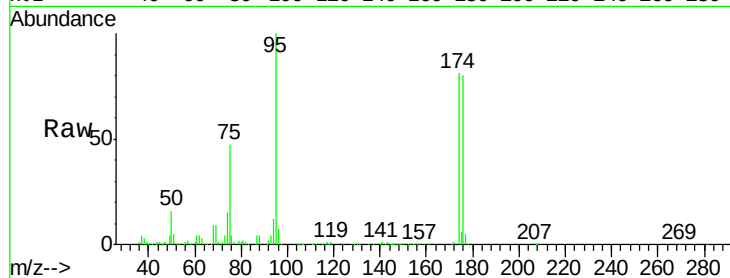




#62
4-Bromofluorobenzene
Concen: 52.26 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016610.D
Acq: 05 Jun 2020 14:47

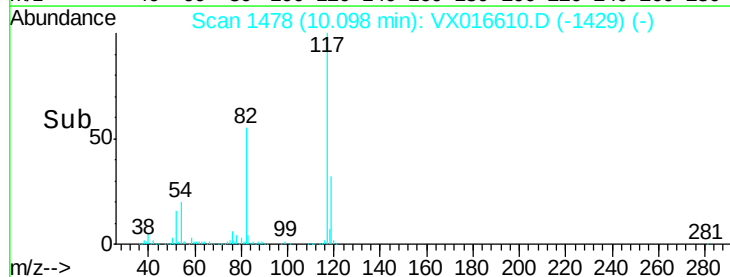
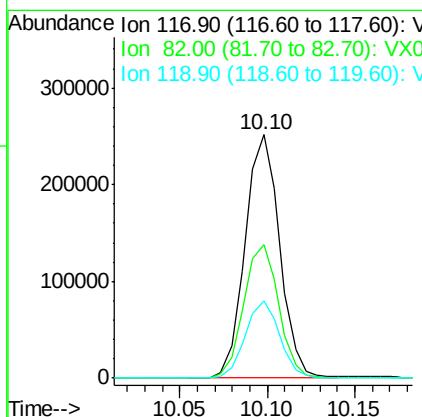
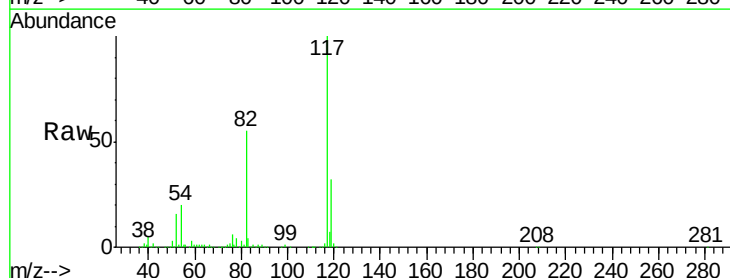
Instrument :
MSVOA_X
ClientSampleId :
LF012-RW161-200601

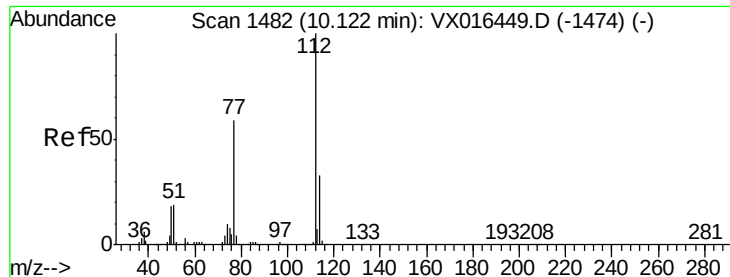
Tgt Ion: 95 Resp: 168443
Ion Ratio Lower Upper
95 100
174 84.7 0.0 163.0
176 81.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016610.D
Acq: 05 Jun 2020 14:47

Tgt Ion: 117 Resp: 346017
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.6
119 31.7 25.8 38.8





#65

Chlorobenzene

Concen: 0.41 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

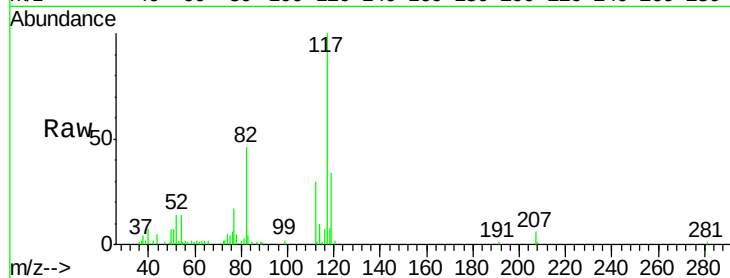
LF012-RW161-200601

Tgt Ion:112 Resp: 2925

Ion Ratio Lower Upper

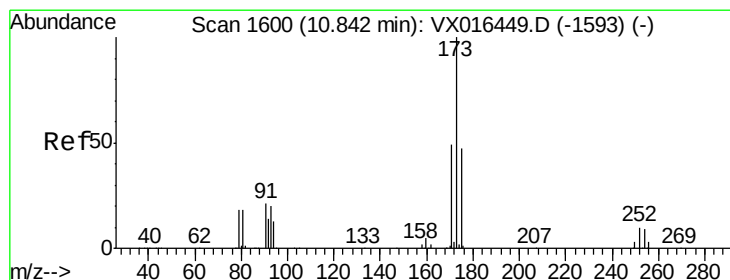
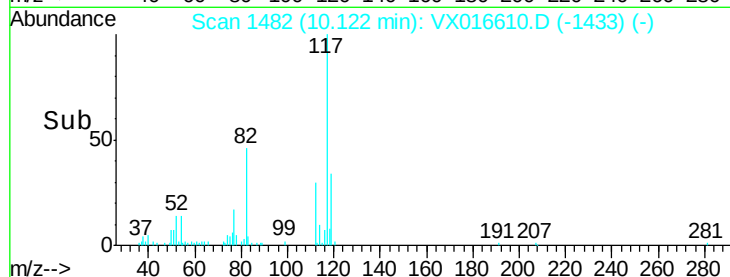
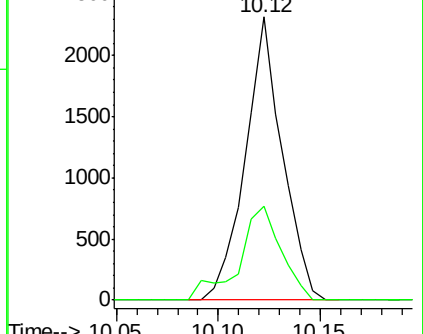
112 100

114 33.3 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 0.22 ug/l

RT: 10.85 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

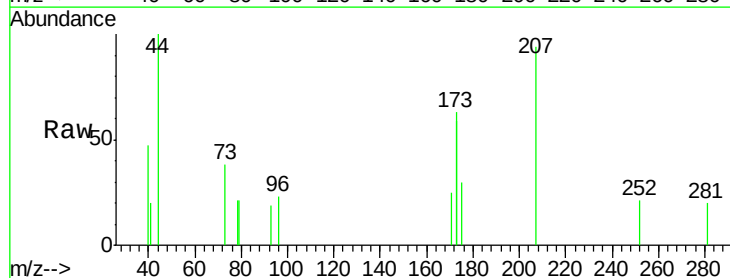
Tgt Ion:173 Resp: 493

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

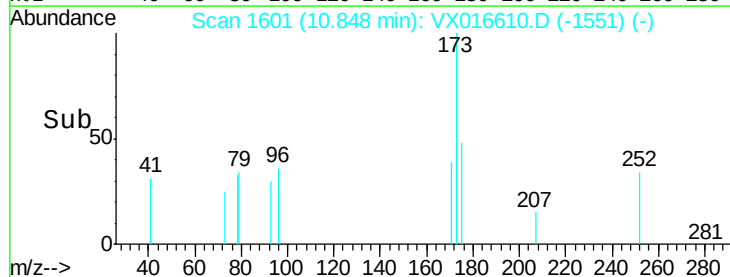
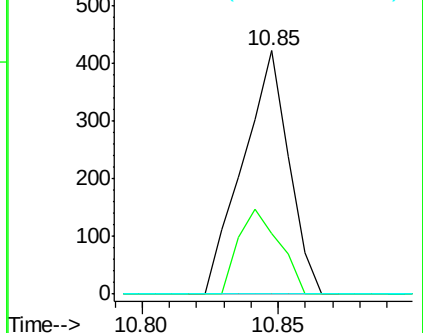
254 0.0 0.1 0.1#

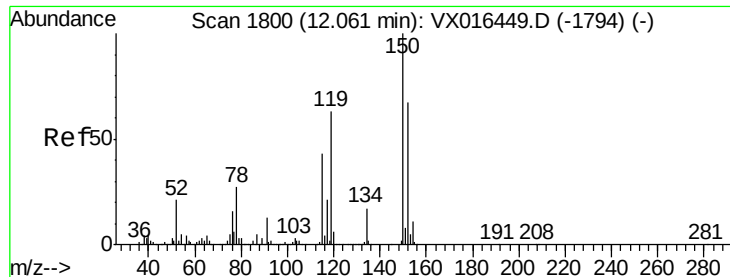


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

LF012-RW161-200601

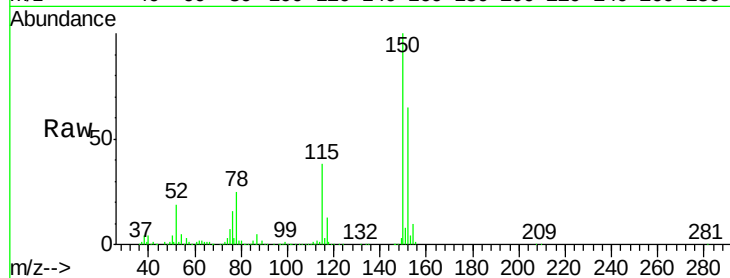
Tgt Ion: 152 Resp: 176482

Ion Ratio Lower Upper

152 100

115 57.4 39.9 119.6

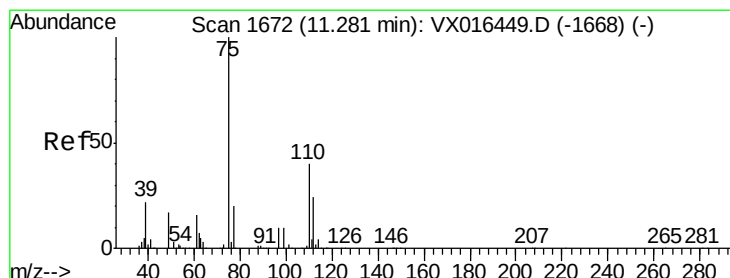
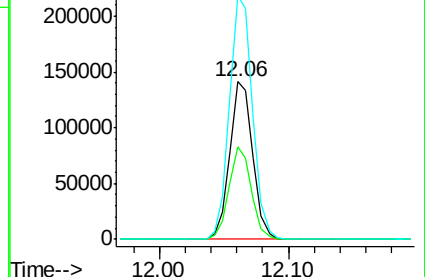
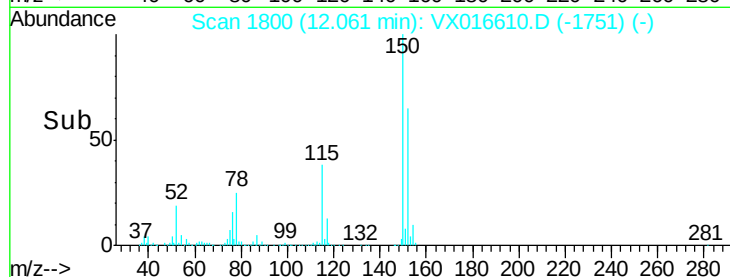
150 156.0 0.0 341.0



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: 21.22 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016610.D

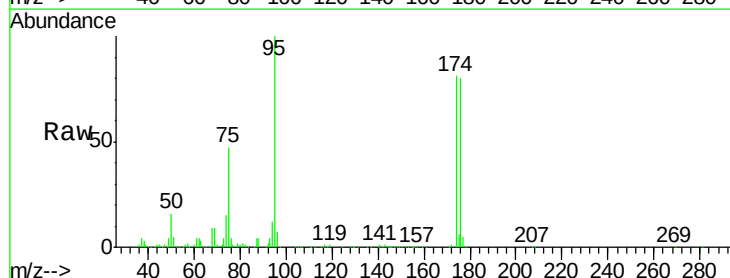
Acq: 05 Jun 2020 14:47

Tgt Ion: 75 Resp: 82316

Ion Ratio Lower Upper

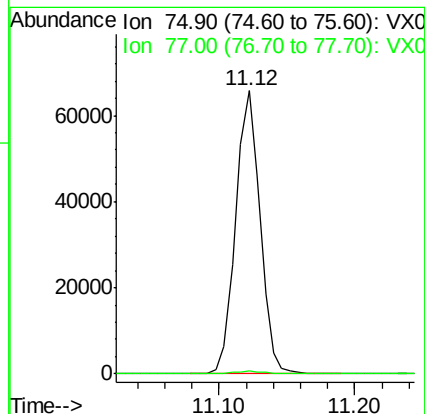
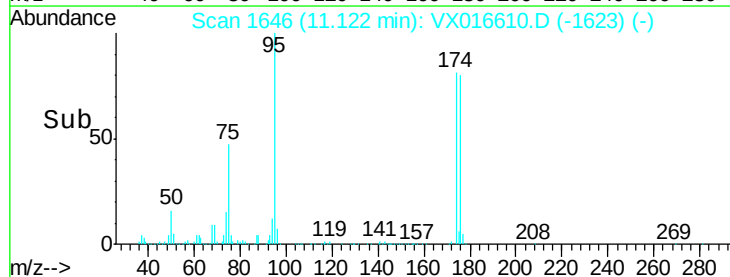
75 100

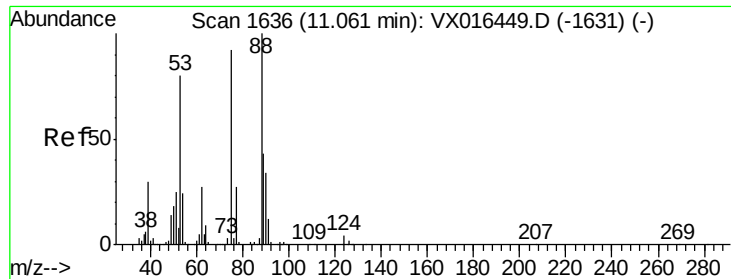
77 1.2 21.3 63.7#



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: 52.20 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016610.D

Acq: 05 Jun 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

LF012-RW161-200601

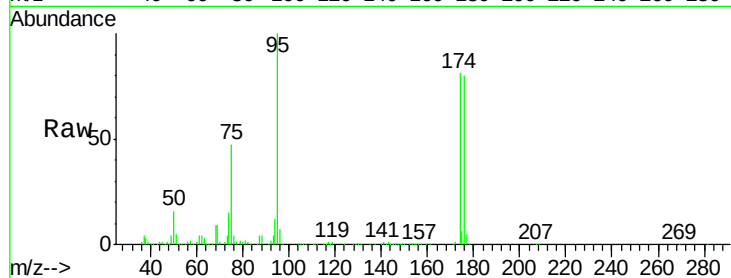
Tgt Ion: 75 Resp: 82316

Ion Ratio Lower Upper

75 100

53 0.1 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

