

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016634.D
 Acq On : 08 Jun 2020 13:35
 Operator : JC/SP
 Sample : L2894-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-200601

Quant Time: Jun 09 05:44:34 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	219540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	349208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	350112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	177906	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	130253	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.47	113	105613	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	8.70	98	425598	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.12	95	172696	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

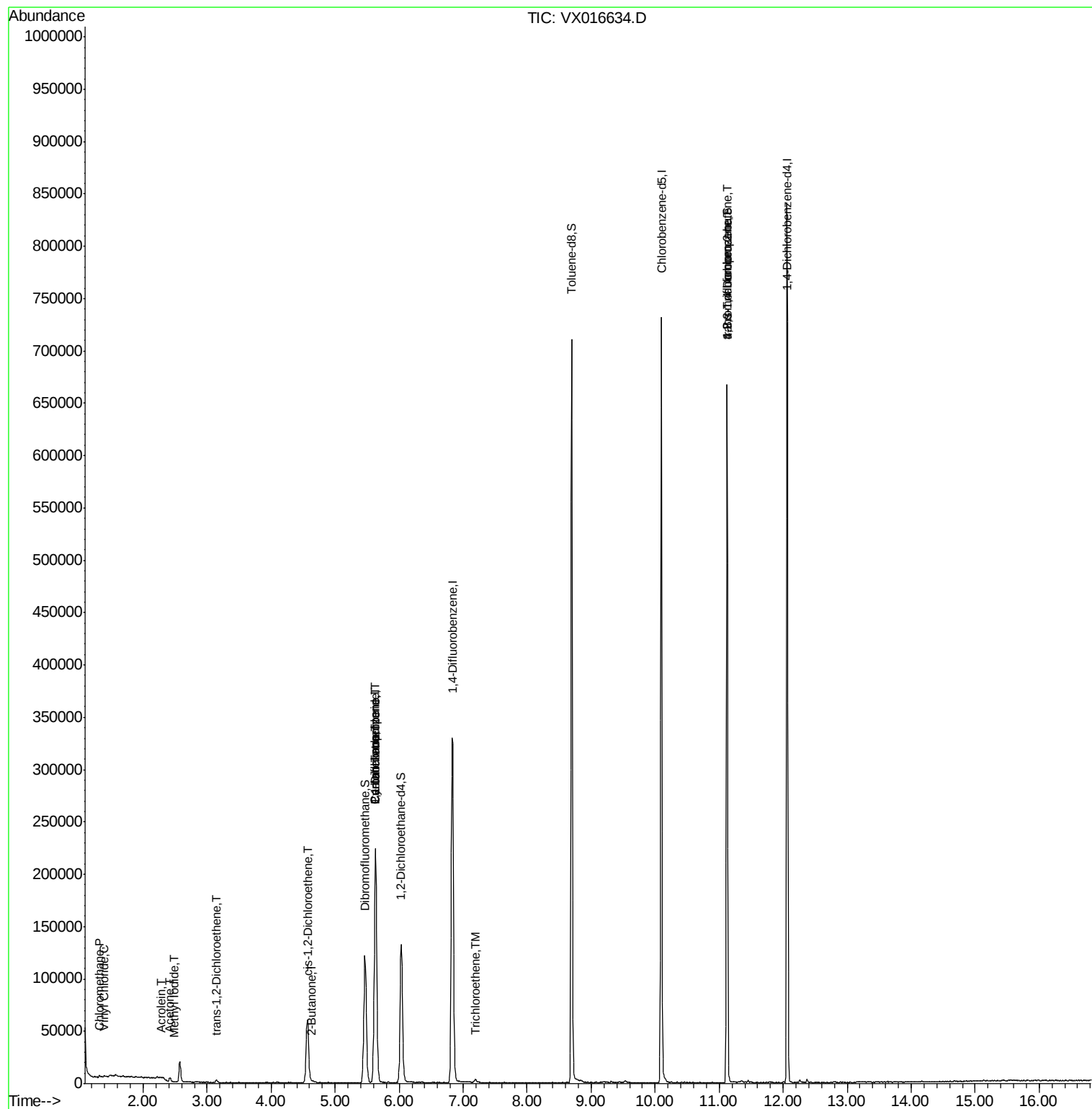
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1440	0.55	ug/l #	77
4) Vinyl Chloride	1.40	62	616	0.22	ug/l #	82
10) Methyl Iodide	2.50	142	114	3.10	ug/l #	83
13) Acrolein	2.28	56	177	0.60	ug/l #	60
16) Acetone	2.42	43	4013	3.36	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	1138	0.49	ug/l	86
25) 2-Butanone	4.64	43	410	0.20	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	41296	15.28	ug/l	87
31) Cyclohexane	5.63	56	3792	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15061	4.56	ug/l #	52
38) Carbon Tetrachloride	5.63	117	20957	6.03	ug/l #	16
44) Trichloroethene	7.19	130	1105	0.35	ug/l	84
76) 1,2,3-Trichloropropane	11.12	75	83689	21.40	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	83689	52.64	ug/l #	14

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

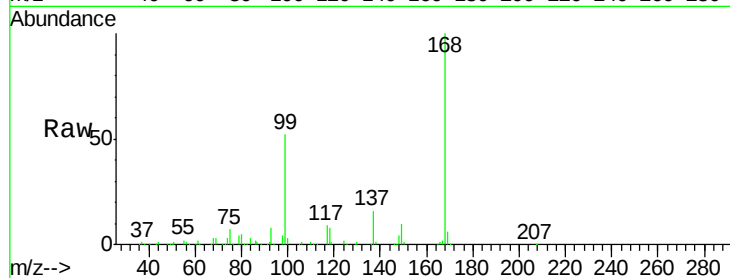
LF012MW004-200601

Tgt Ion:168 Resp: 219540

Ion Ratio Lower Upper

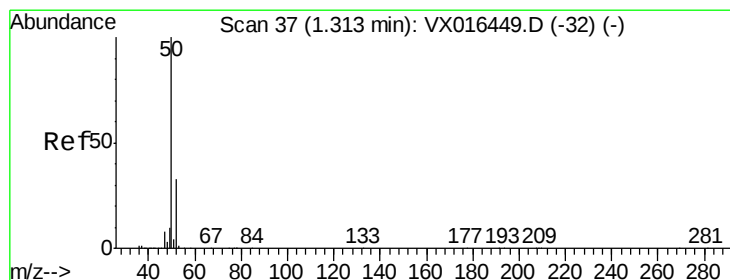
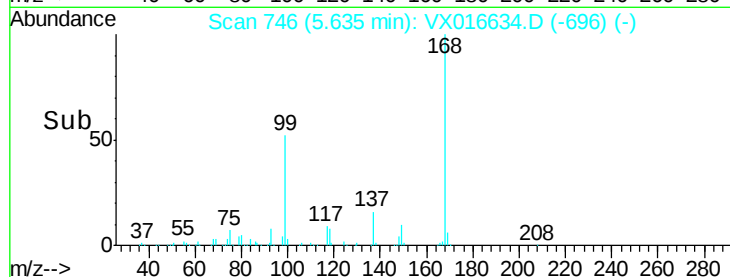
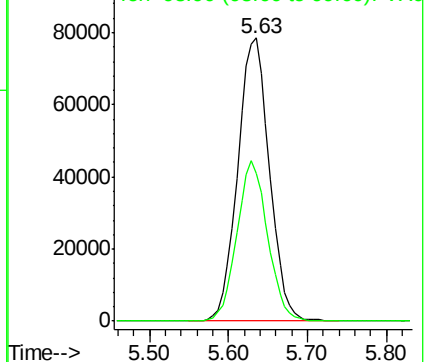
168 100

99 52.2 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: 0.55 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016634.D

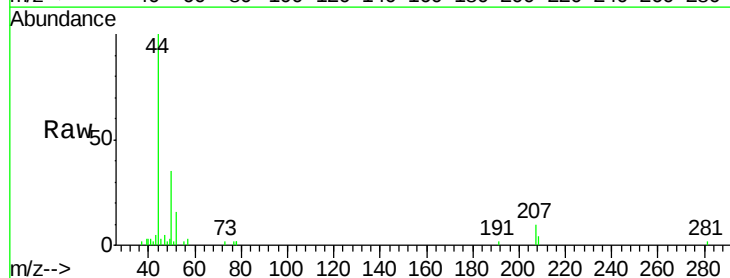
Acq: 08 Jun 2020 13:35

Tgt Ion: 50 Resp: 1440

Ion Ratio Lower Upper

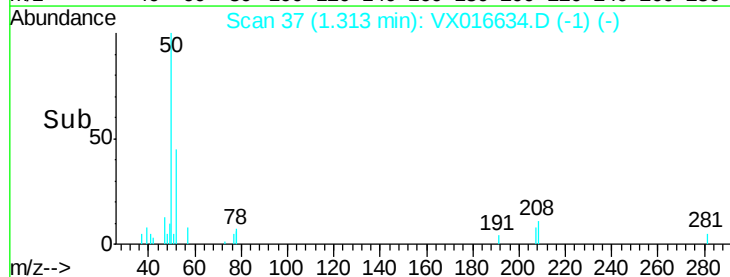
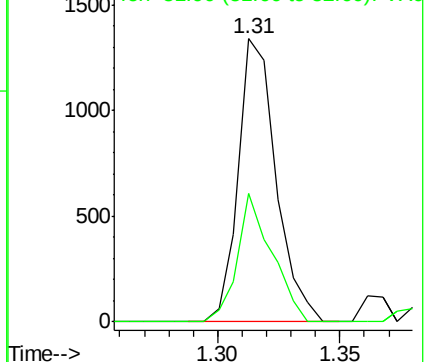
50 100

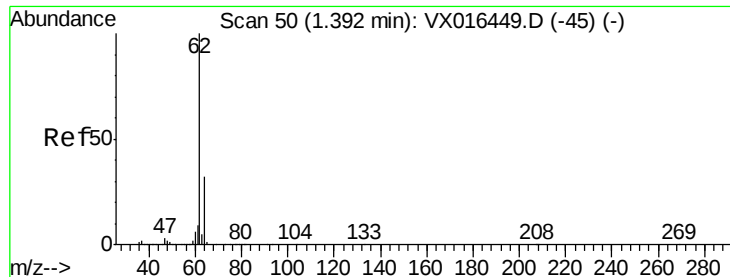
52 45.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.22 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

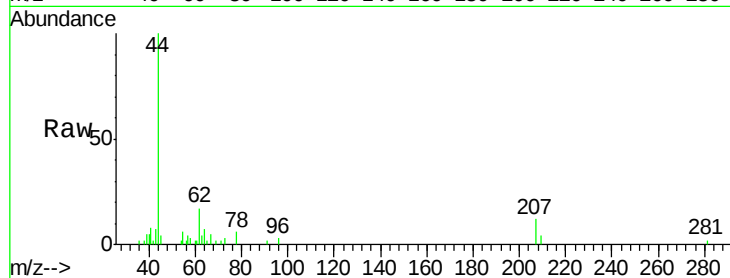
LF012MW004-200601

Tgt Ion: 62 Resp: 616

Ion Ratio Lower Upper

62 100

64 42.6 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

500

400

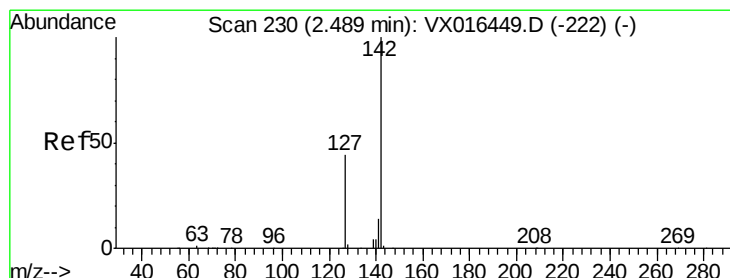
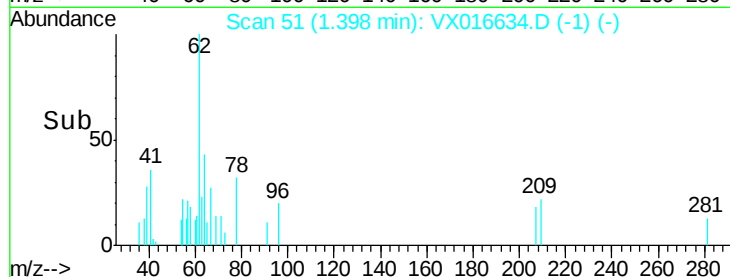
300

200

100

0

Time--> 1.35 1.40 1.45



#10

Methyl Iodide

Concen: 3.10 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

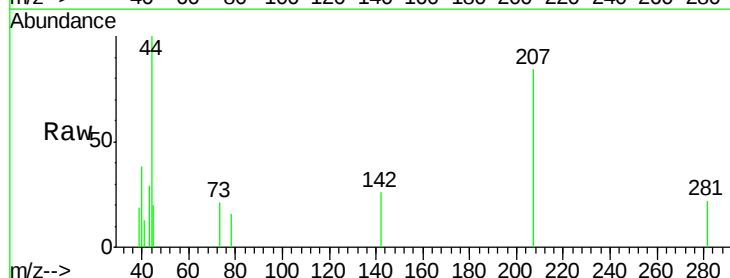
Tgt Ion: 142 Resp: 114

Ion Ratio Lower Upper

142 100

127 36.8 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

200

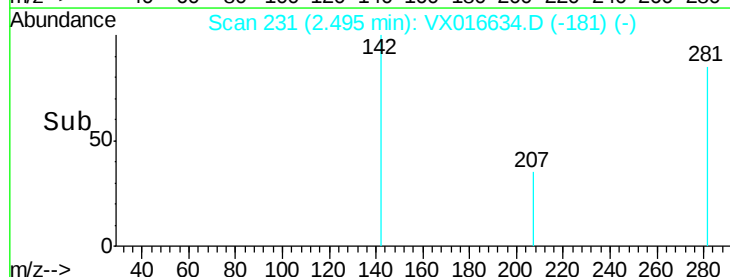
150

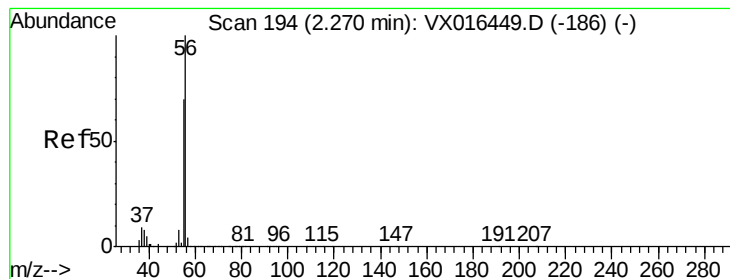
100

50

0

Time--> 2.46 2.48 2.50 2.52





#13

Acrolein

Concen: 0.60 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

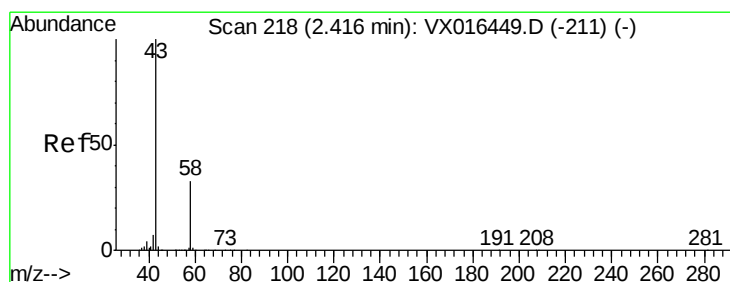
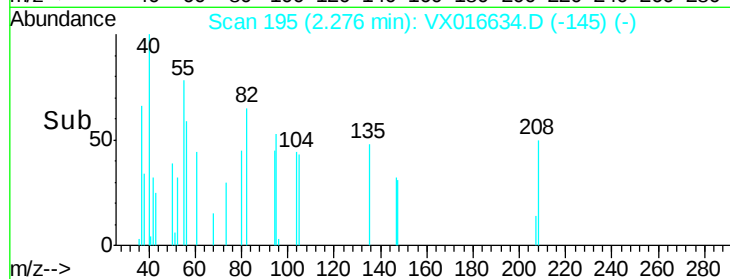
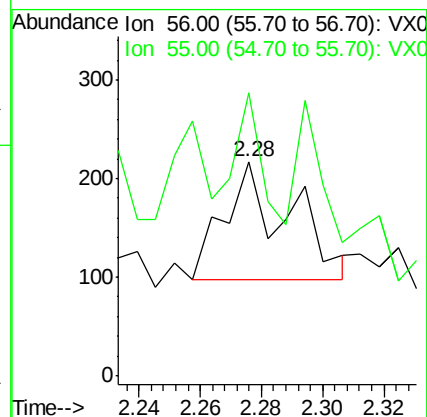
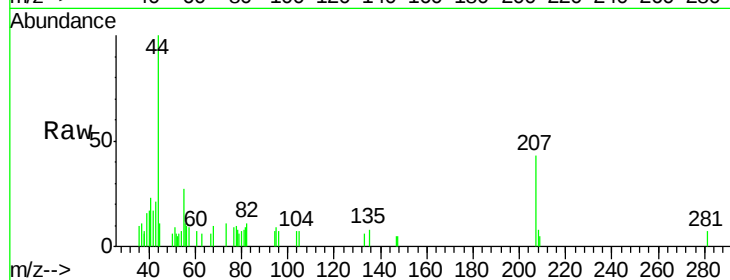
LF012MW004-200601

Tgt Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 106.2 58.3 87.5#



#16

Acetone

Concen: 3.36 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016634.D

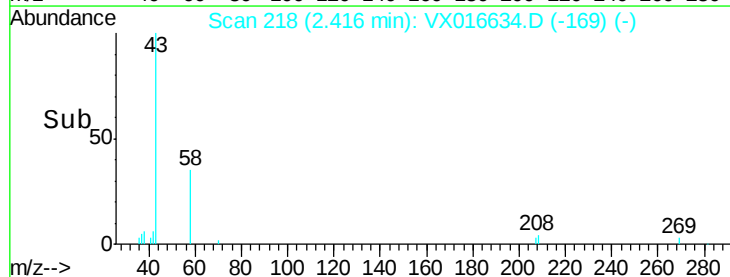
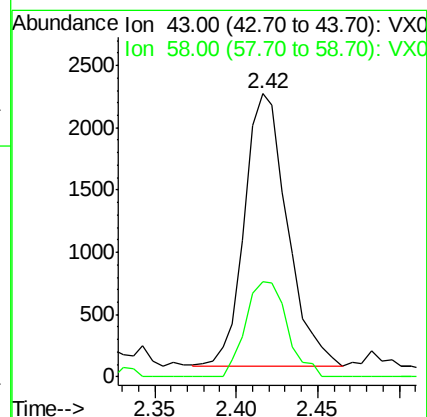
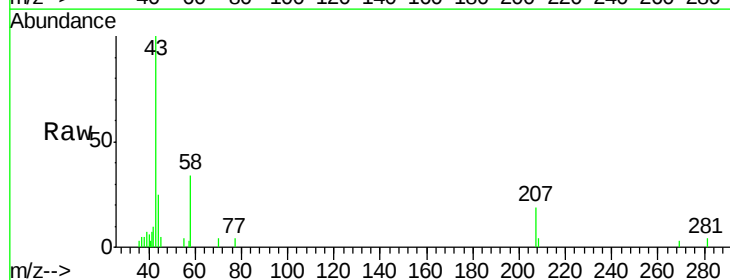
Acq: 08 Jun 2020 13:35

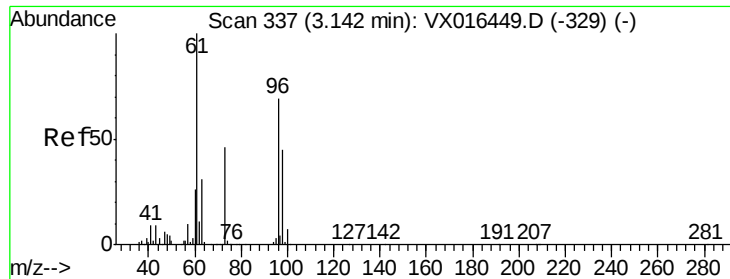
Tgt Ion: 43 Resp: 4013

Ion Ratio Lower Upper

43 100

58 35.1 26.1 39.1





#21

trans-1,2-Dichloroethene

Concen: 0.49 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

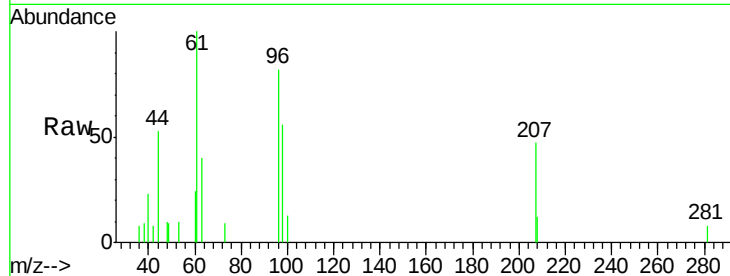
Tgt Ion: 96 Resp: 1138

Ion Ratio Lower Upper

96 100

61 122.1 115.3 172.9

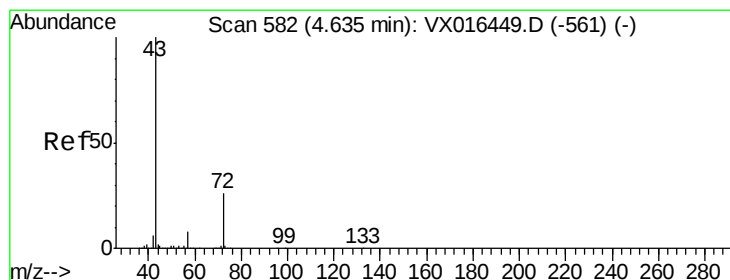
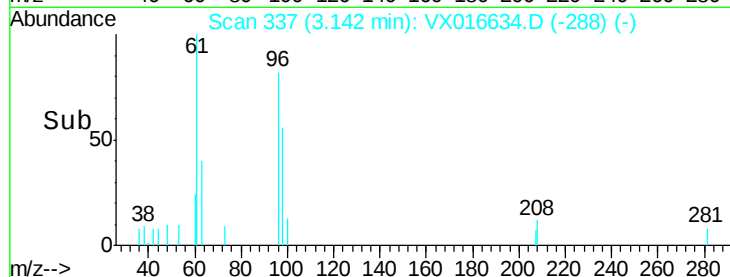
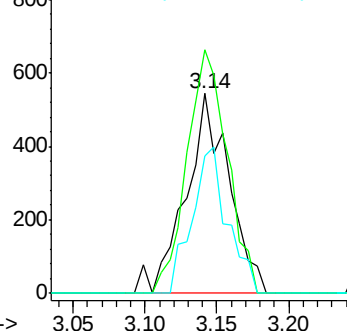
98 68.9 51.9 77.9



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



#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016634.D

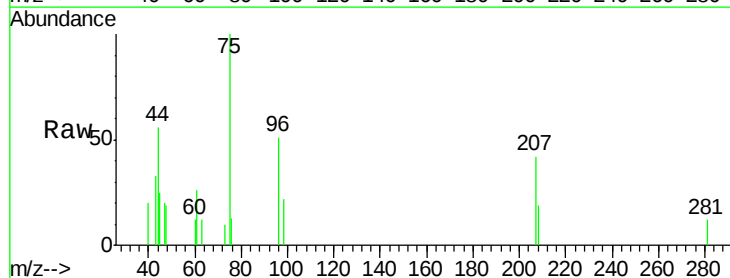
Acq: 08 Jun 2020 13:35

Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

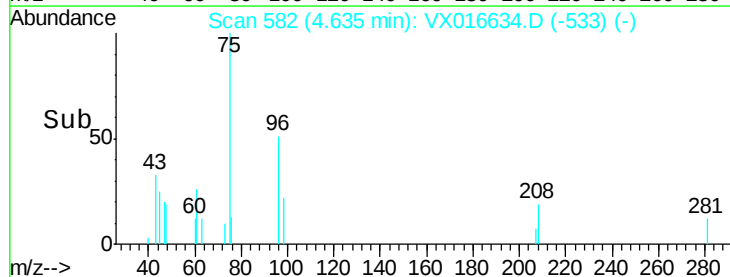
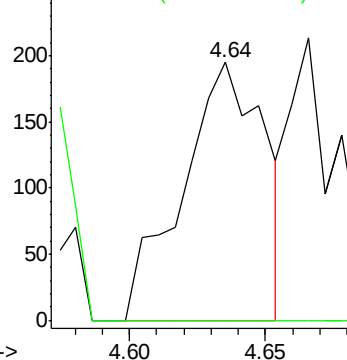
43 100

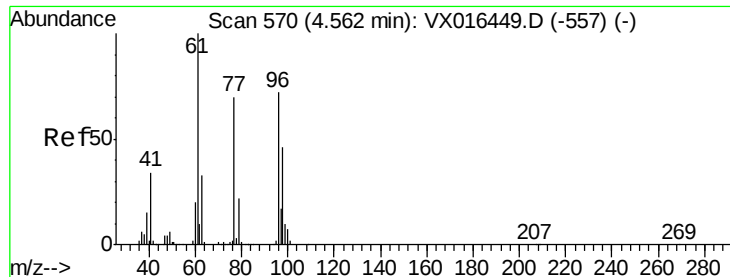
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



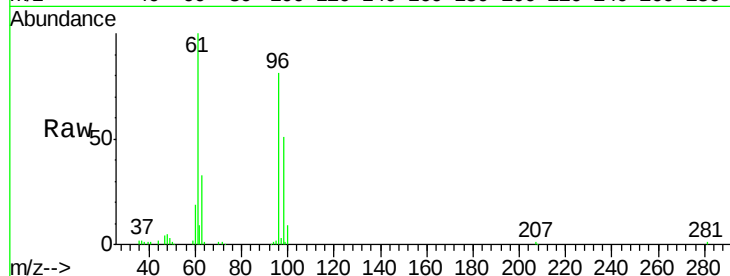


#27

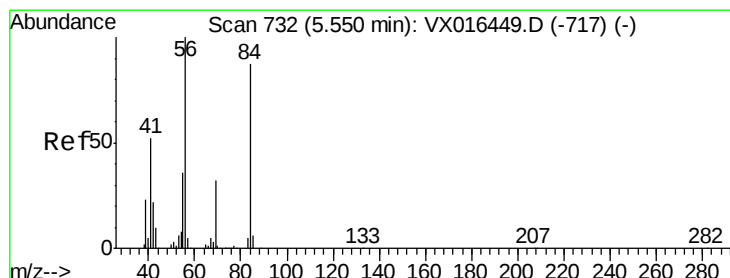
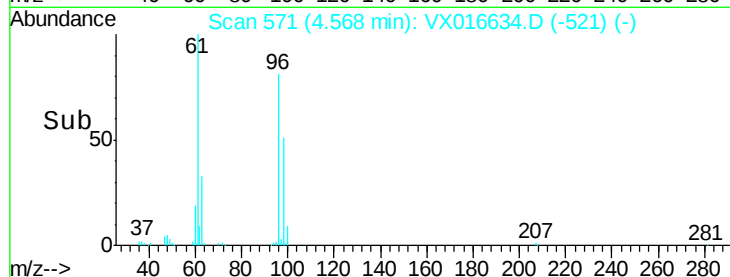
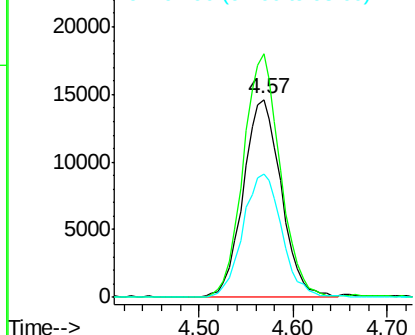
cis-1,2-Dichloroethene
 Concen: 15.28 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016634.D
 Acq: 08 Jun 2020 13:35

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Tgt Ion: 96 Resp: 41296
 Ion Ratio Lower Upper
 96 100
 61 120.0 0.0 284.6
 98 64.1 0.0 127.2



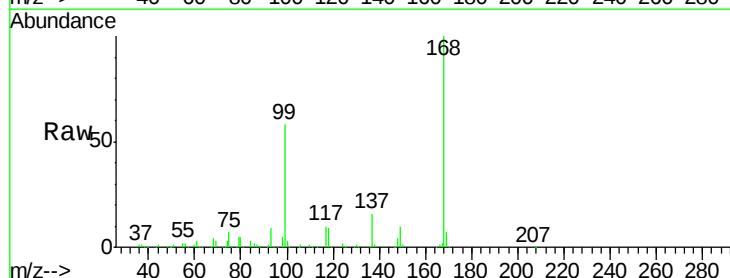
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



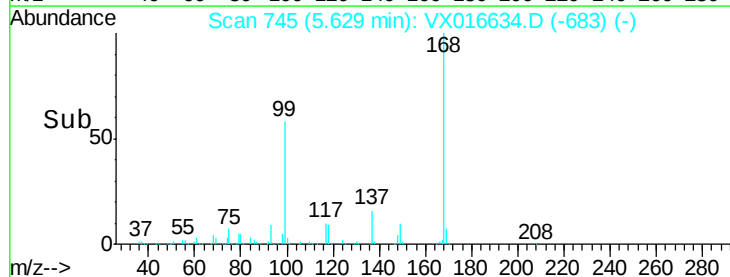
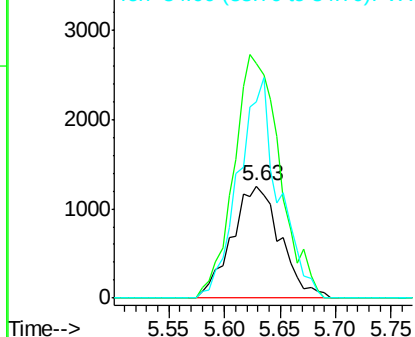
#31

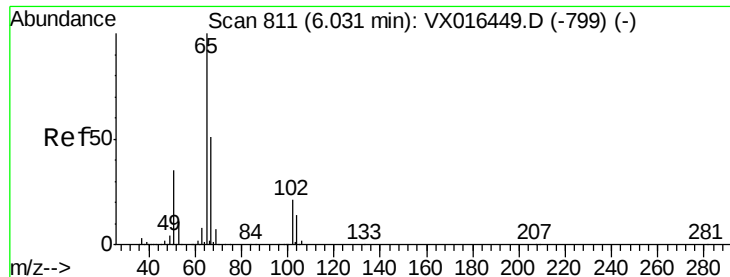
Cyclohexane
 Concen: 1.00 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016634.D
 Acq: 08 Jun 2020 13:35

Tgt Ion: 56 Resp: 3792
 Ion Ratio Lower Upper
 56 100
 69 208.7 25.7 38.5#
 84 175.1 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: 47.77 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

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ClientSampleId :

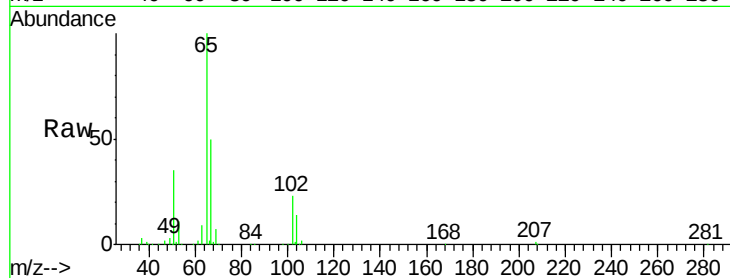
LF012MW004-200601

Tgt Ion: 65 Resp: 130253

Ion Ratio Lower Upper

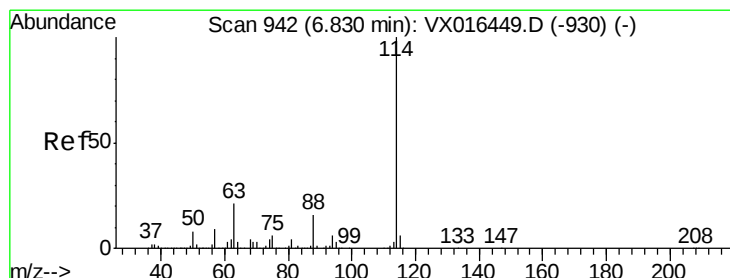
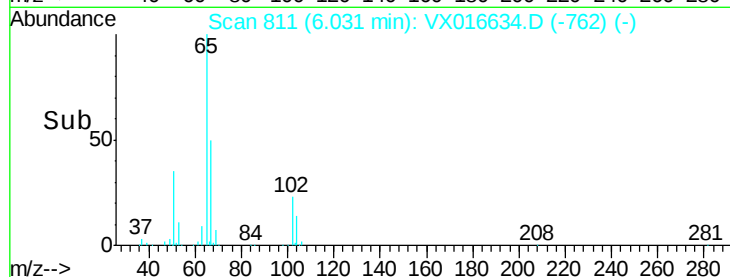
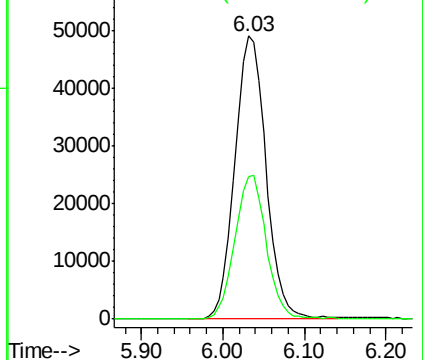
65 100

67 51.1 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: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

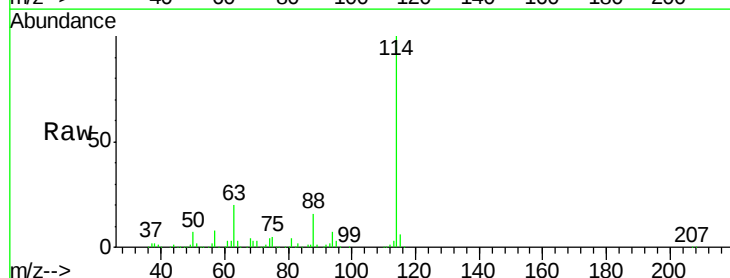
Tgt Ion: 114 Resp: 349208

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

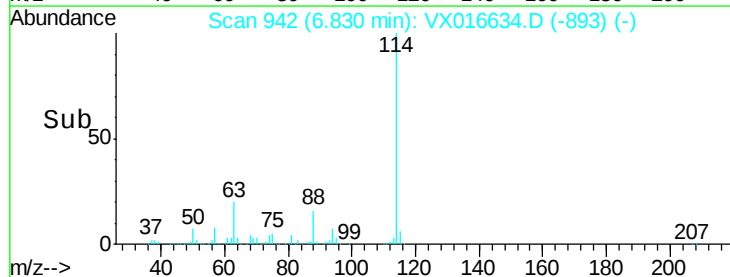
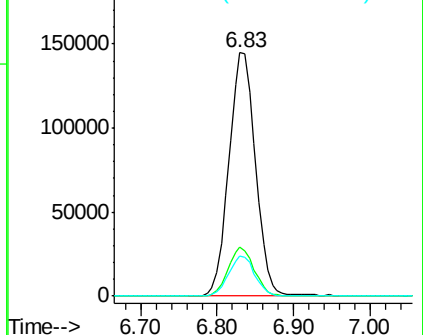
88 16.2 0.0 32.8

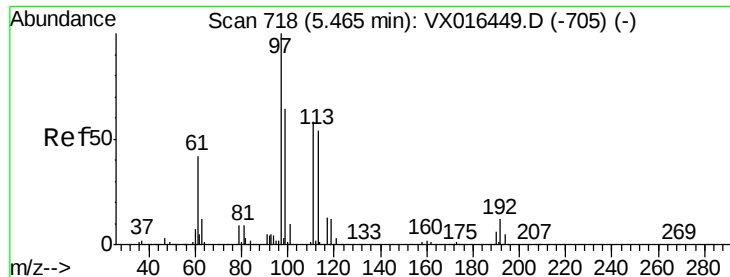


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.12 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

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ClientSampleId :

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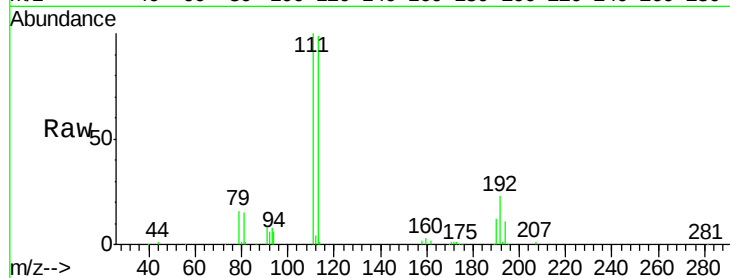
Tgt Ion:113 Resp: 105613

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

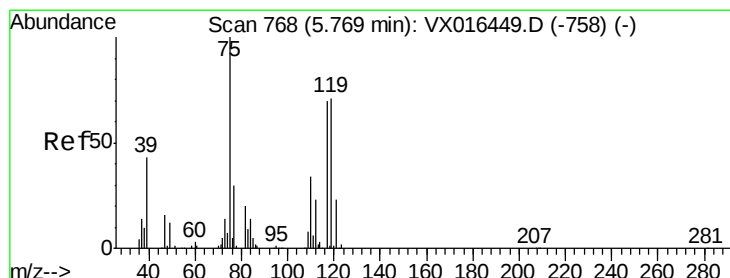
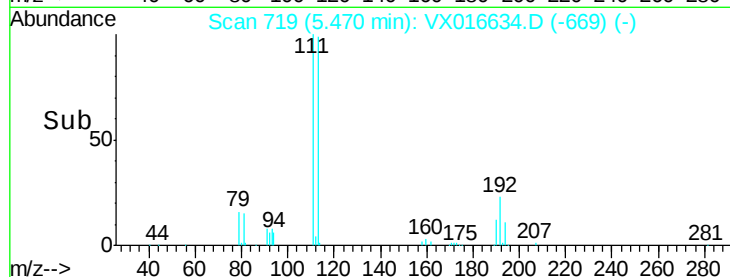
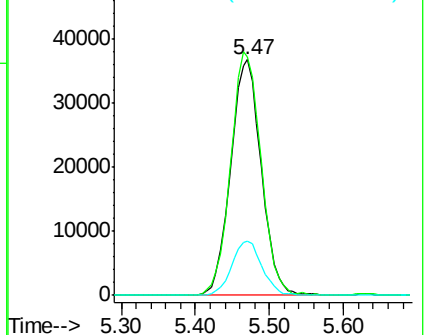
192 23.0 17.7 26.5



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: 4.56 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

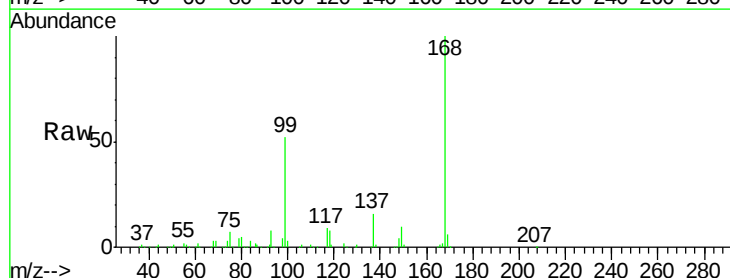
Tgt Ion: 75 Resp: 15061

Ion Ratio Lower Upper

75 100

110 10.5 17.4 52.3#

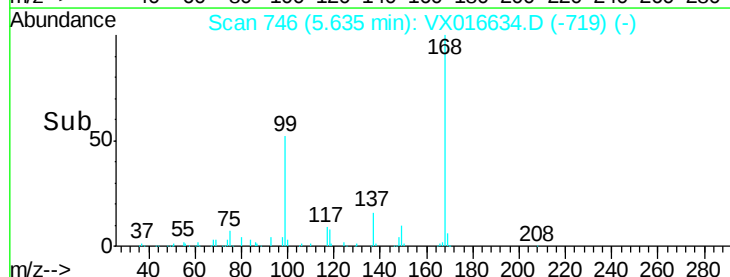
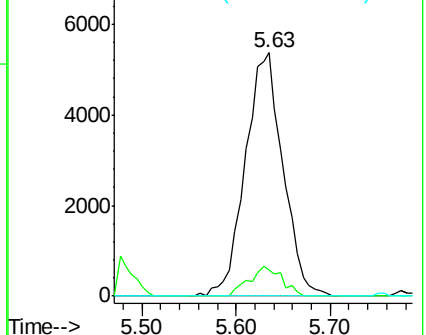
77 0.0 24.2 36.4#

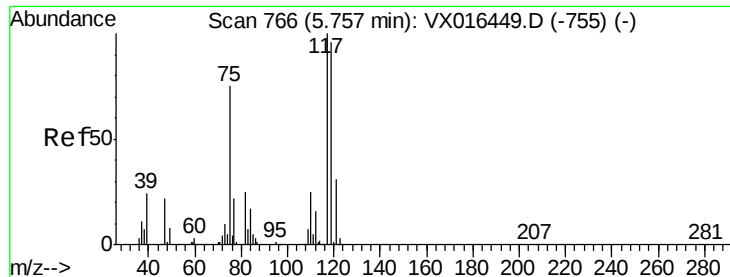


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.03 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

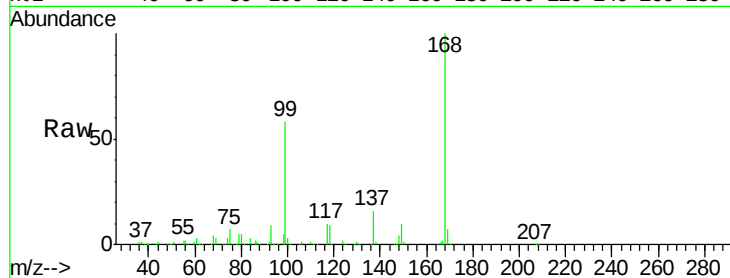
Tgt Ion:117 Resp: 20957

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

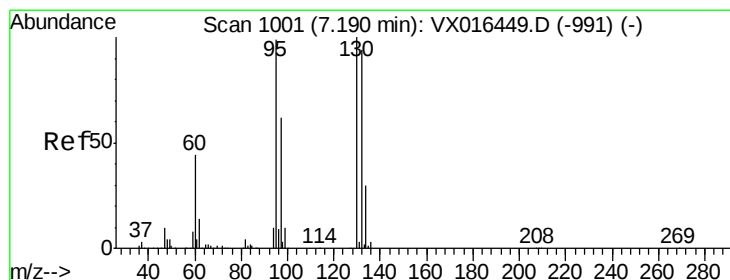
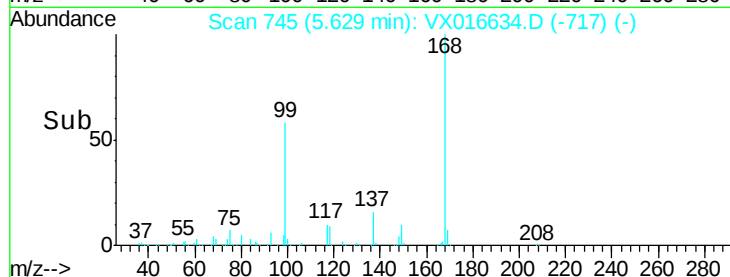
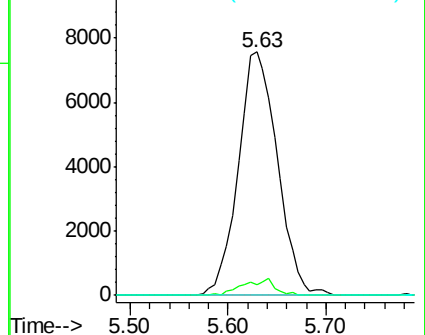
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 0.35 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016634.D

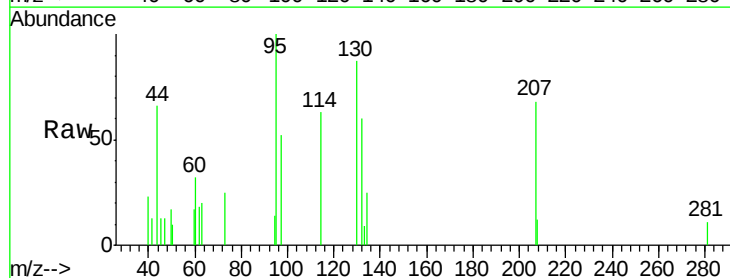
Acq: 08 Jun 2020 13:35

Tgt Ion:130 Resp: 1105

Ion Ratio Lower Upper

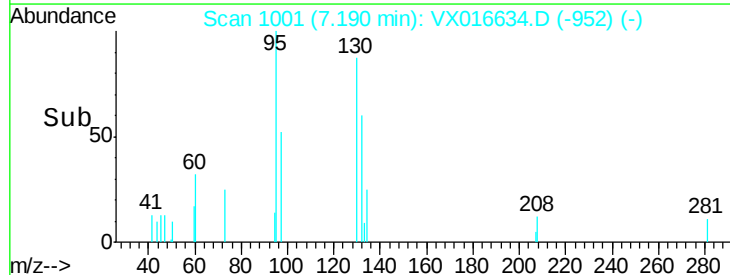
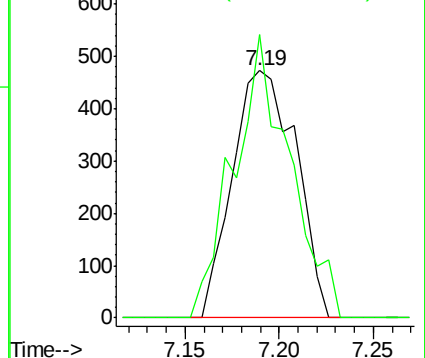
130 100

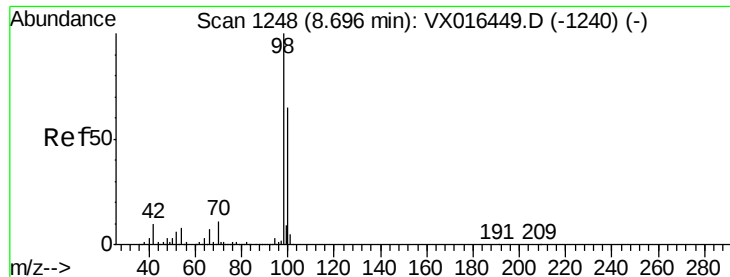
95 114.6 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.85 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

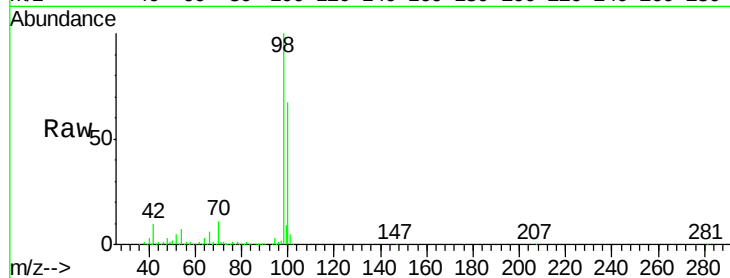
LF012MW004-200601

Tgt Ion: 98 Resp: 425598

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

300000

250000

200000

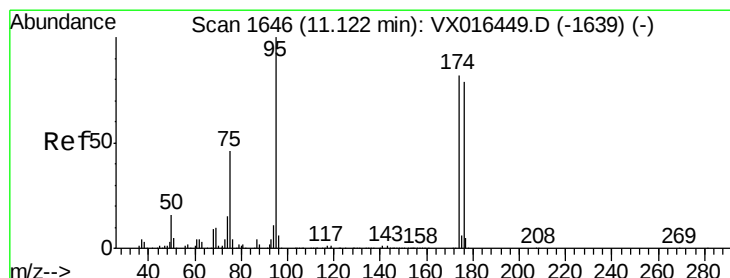
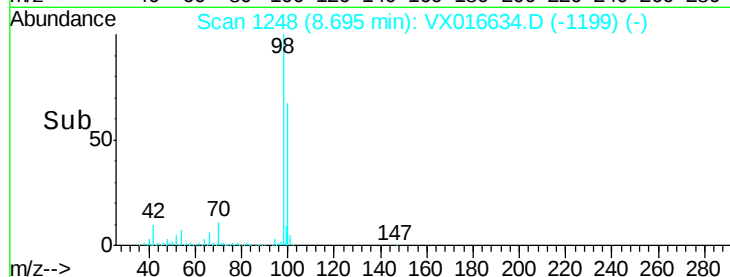
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.40 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

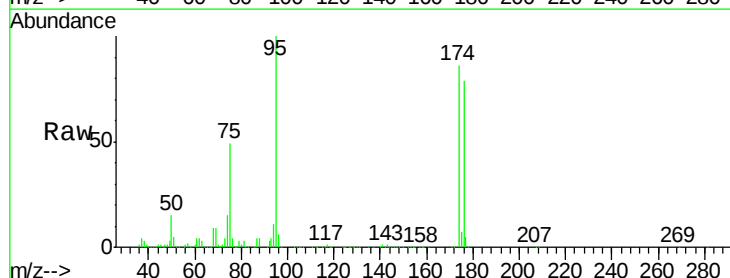
Tgt Ion: 95 Resp: 172696

Ion Ratio Lower Upper

95 100

174 86.1 0.0 163.0

176 81.1 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

11.12

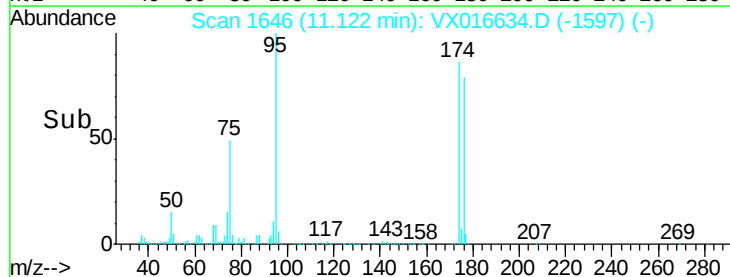
150000

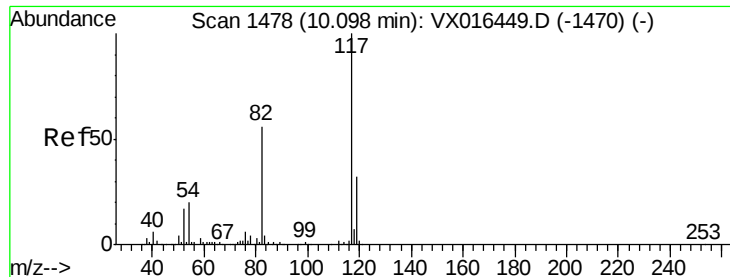
100000

50000

0

Time-->

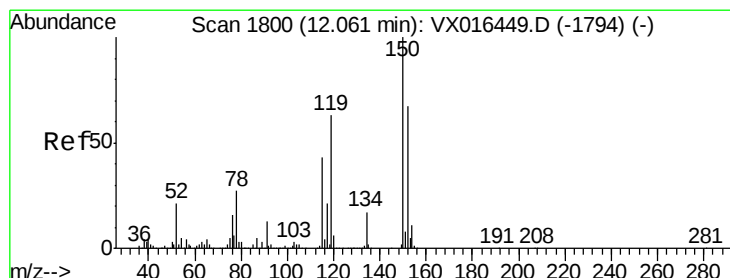
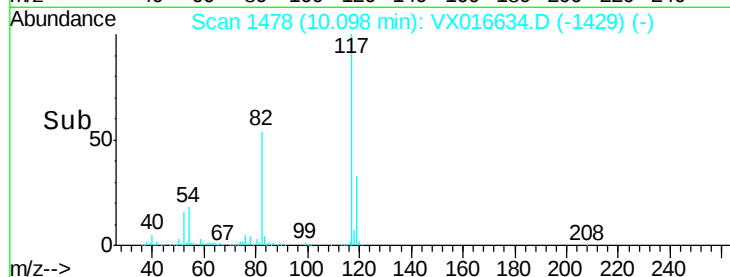
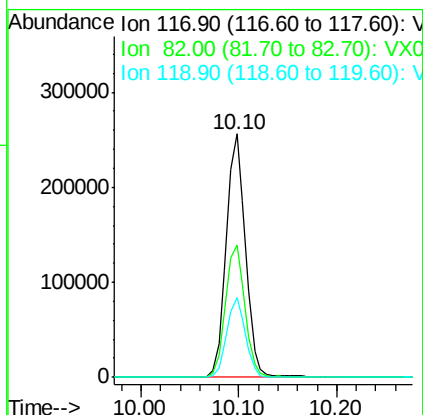
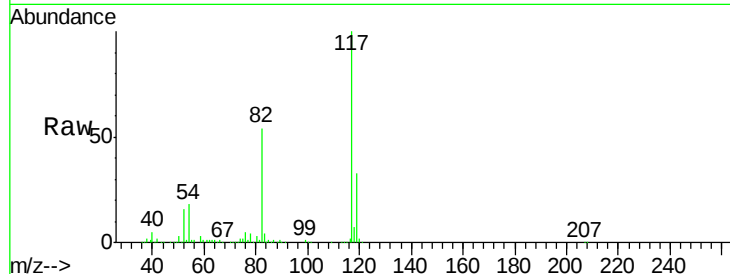




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016634.D
Acq: 08 Jun 2020 13:35

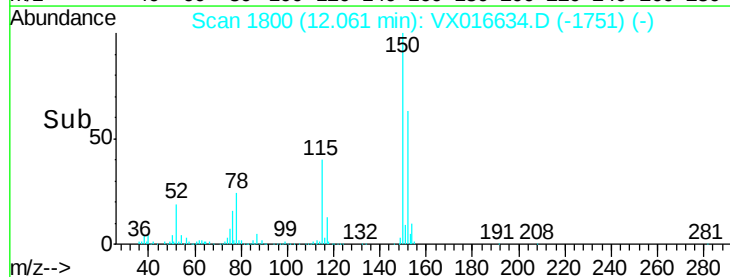
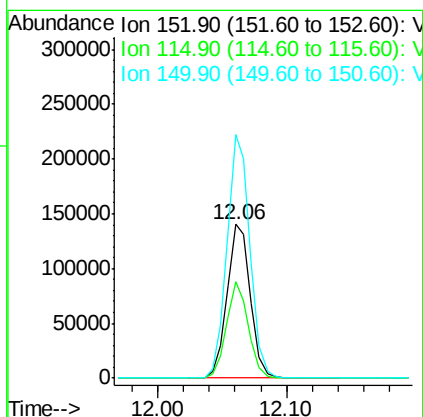
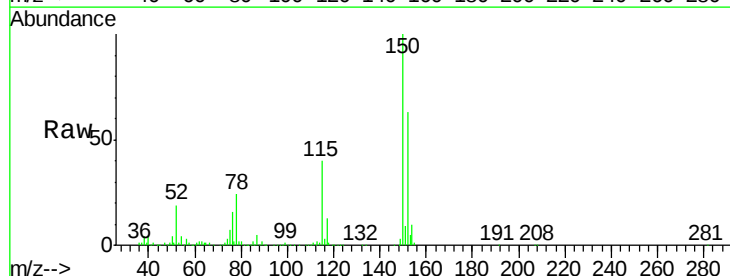
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-200601

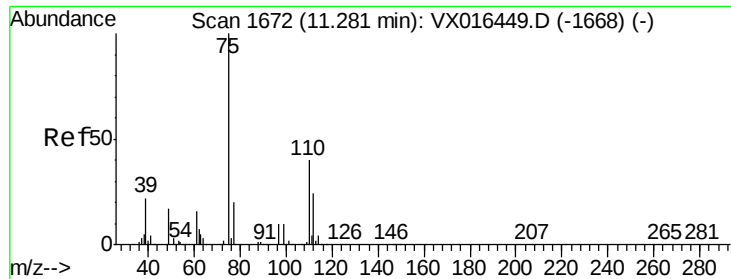
Tgt Ion:117 Resp: 350112
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.6
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016634.D
Acq: 08 Jun 2020 13:35

Tgt Ion:152 Resp: 177906
Ion Ratio Lower Upper
152 100
115 58.9 39.9 119.6
150 155.7 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.40 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

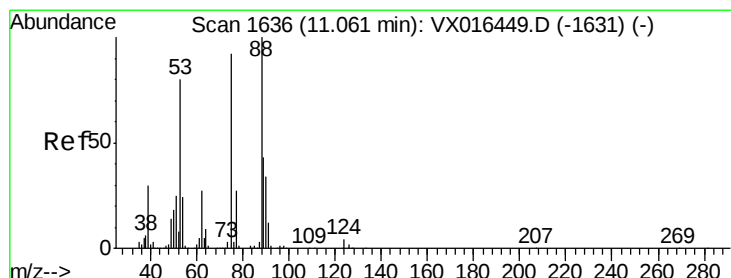
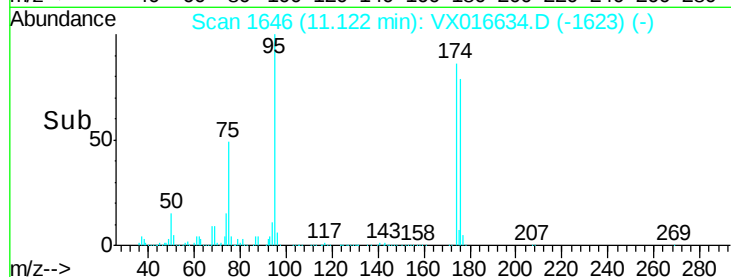
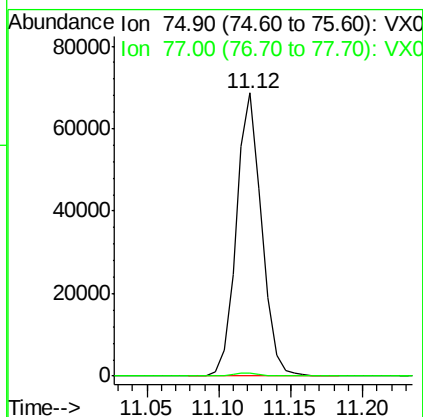
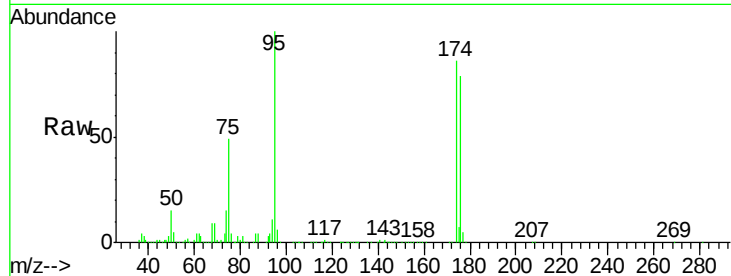
LF012MW004-200601

Tgt Ion: 75 Resp: 83689

Ion Ratio Lower Upper

75 100

77 1.1 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.64 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016634.D

Acq: 08 Jun 2020 13:35

Tgt Ion: 75 Resp: 83689

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

