

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016617.D
 Acq On : 05 Jun 2020 17:25
 Operator : JC/SP
 Sample : L2894-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-200601

Quant Time: Jun 06 06:02:30 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	218388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	348150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	354187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	175733	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	131003	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	5.46	113	105568	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.70	98	432390	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	11.12	95	171478	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	

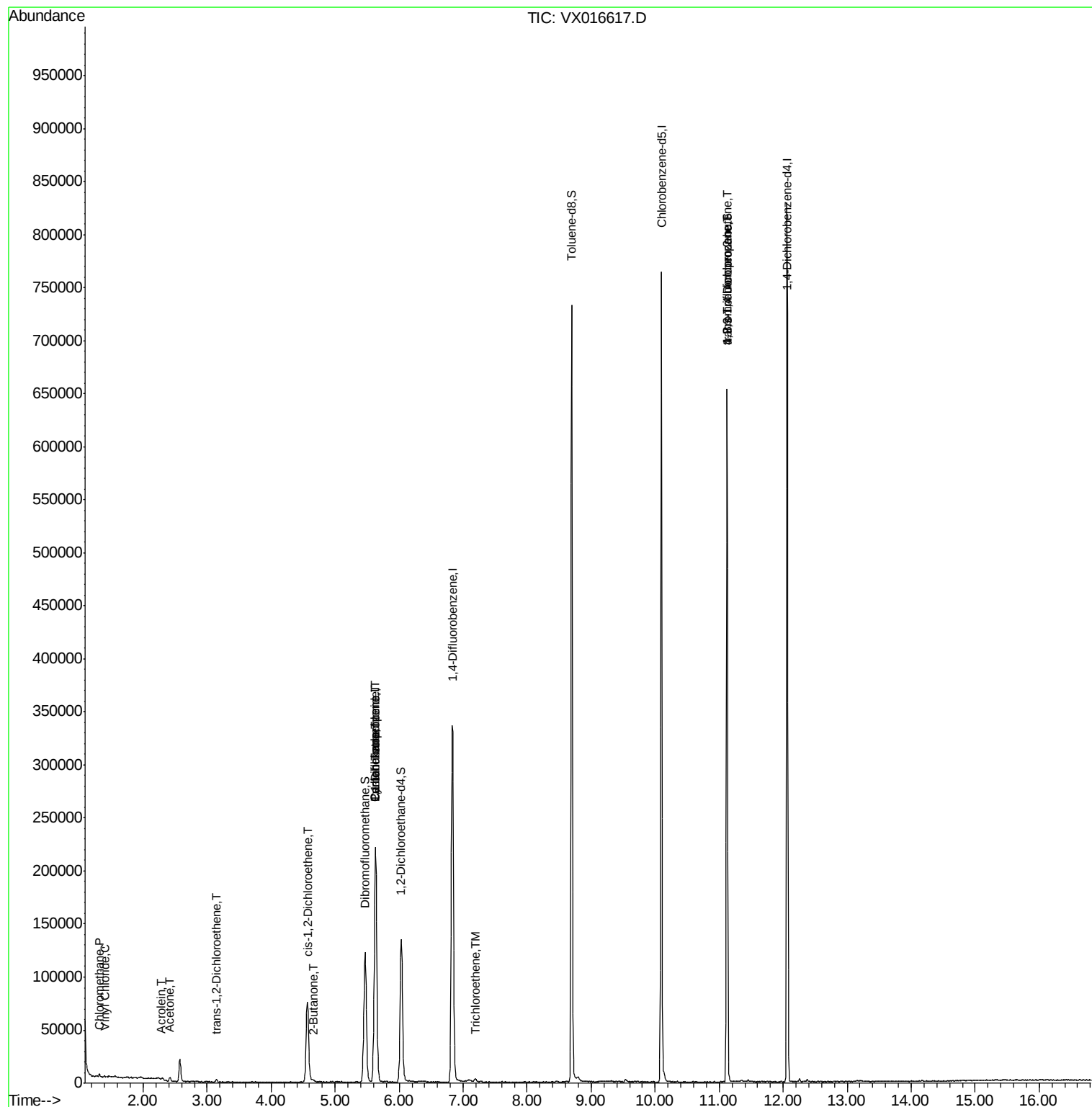
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1721	0.66	ug/l	95
4) Vinyl Chloride	1.40	62	669	0.24	ug/l #	86
13) Acrolein	2.29	56	197	0.67	ug/l #	78
16) Acetone	2.42	43	4061	3.42	ug/l	91
21) trans-1,2-Dichloroethene	3.14	96	1196	0.51	ug/l	88
25) 2-Butanone	4.66	43	603	0.30	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	50922	18.94	ug/l	89
31) Cyclohexane	5.63	56	4067	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15339	4.65	ug/l #	51
38) Carbon Tetrachloride	5.62	117	21256	6.14	ug/l #	17
44) Trichloroethene	7.19	130	1241	0.40	ug/l	61
76) 1,2,3-Trichloropropane	11.12	75	83649	21.66	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	83649	53.27	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: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

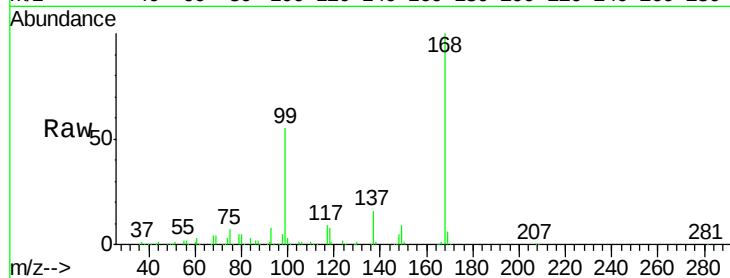
LF012MW004-200601

Tgt Ion:168 Resp: 218388

Ion Ratio Lower Upper

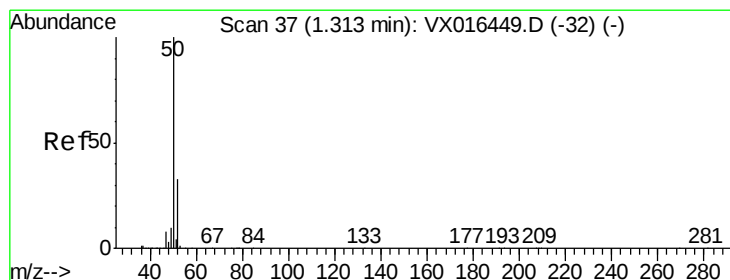
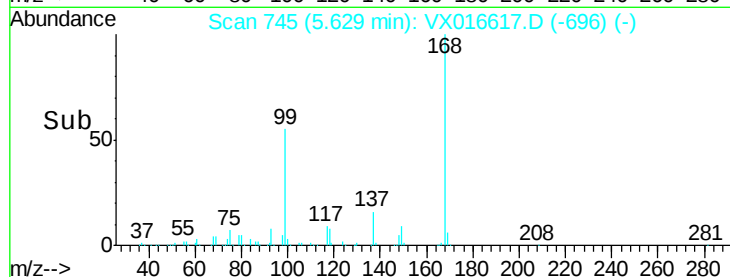
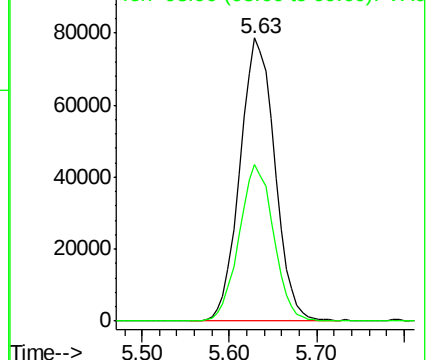
168 100

99 55.3 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: 0.66 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016617.D

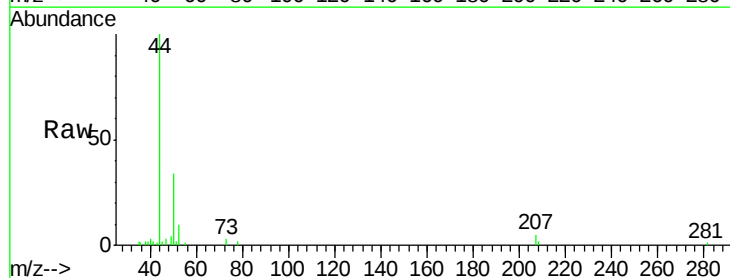
Acq: 05 Jun 2020 17:25

Tgt Ion: 50 Resp: 1721

Ion Ratio Lower Upper

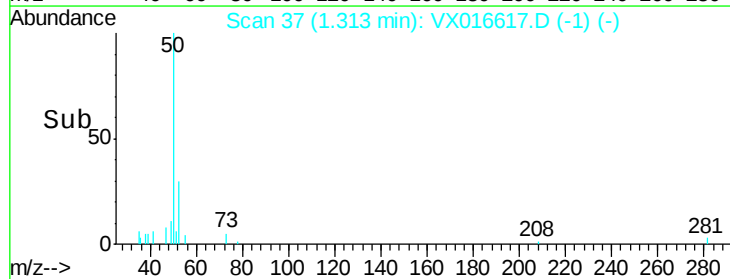
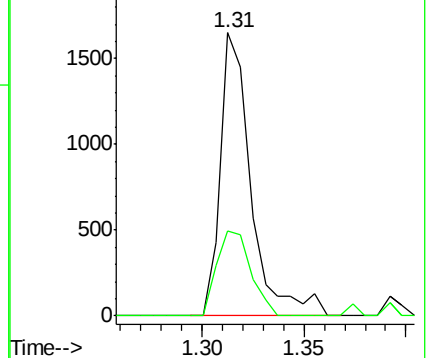
50 100

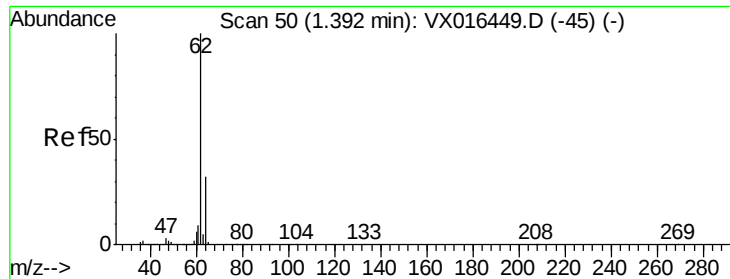
52 30.1 26.2 39.2



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: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

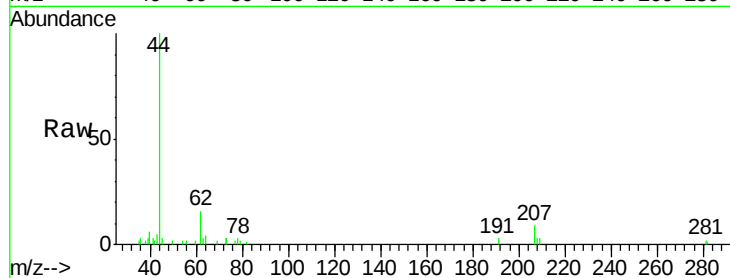
LF012MW004-200601

Tgt Ion: 62 Resp: 669

Ion Ratio Lower Upper

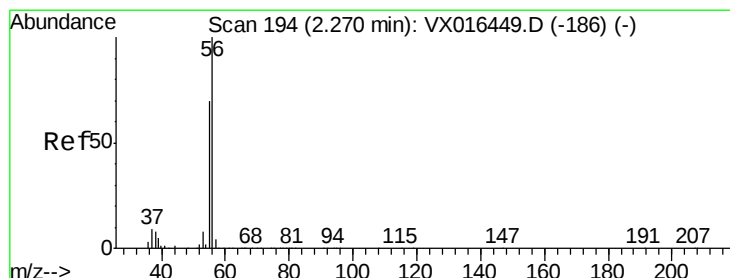
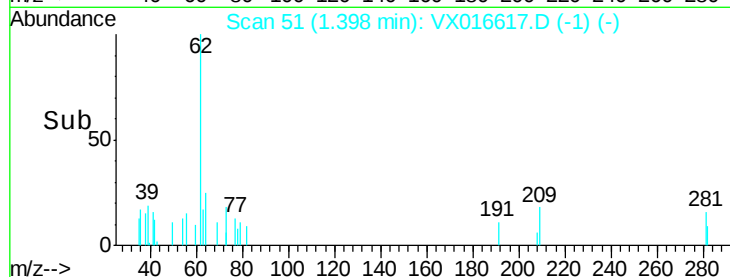
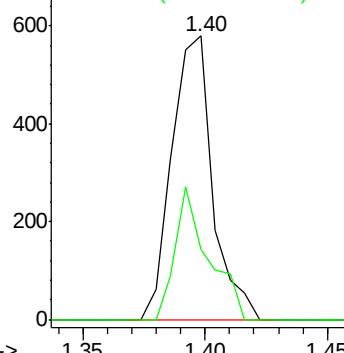
62 100

64 24.5 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#13

Acrolein

Concen: 0.67 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX016617.D

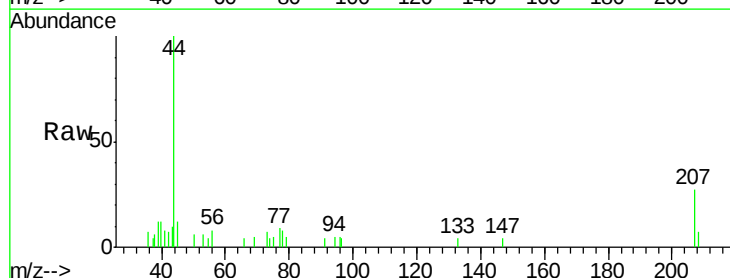
Acq: 05 Jun 2020 17:25

Tgt Ion: 56 Resp: 197

Ion Ratio Lower Upper

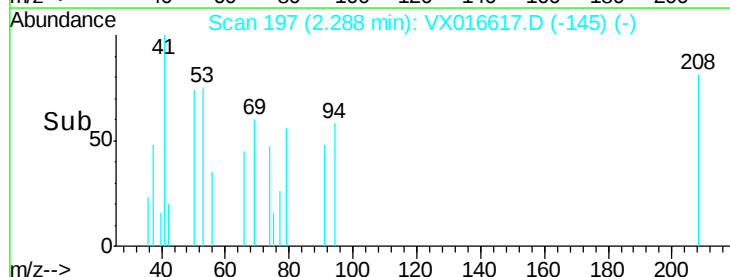
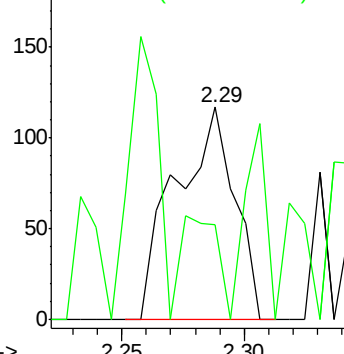
56 100

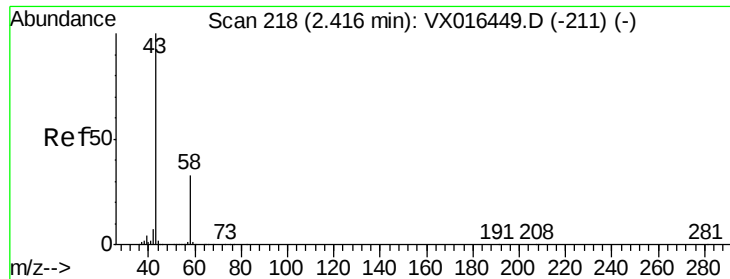
55 54.8 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.42 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

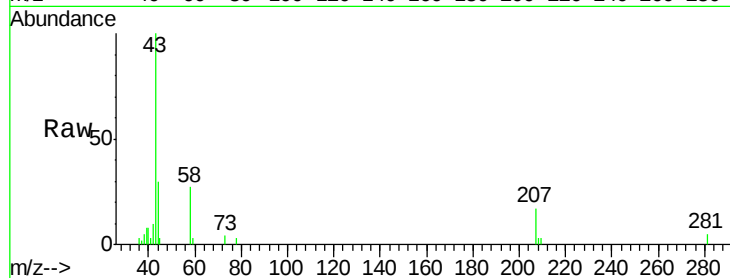
LF012MW004-200601

Tgt Ion: 43 Resp: 4061

Ion Ratio Lower Upper

43 100

58 27.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2500

2000

1500

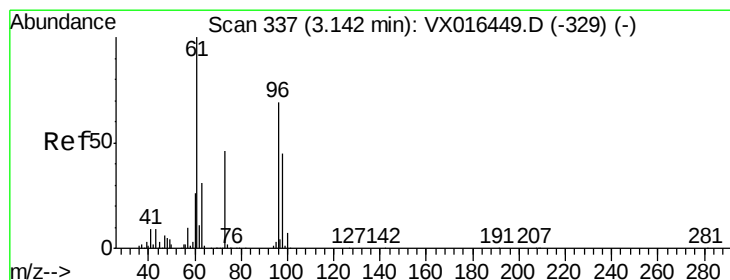
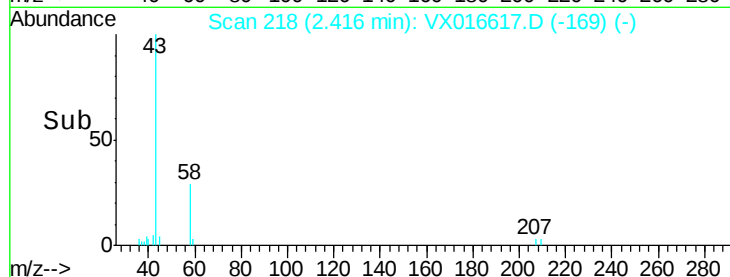
1000

500

0

Time-->

2.35 2.40 2.45



#21

trans-1,2-Dichloroethene

Concen: 0.51 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

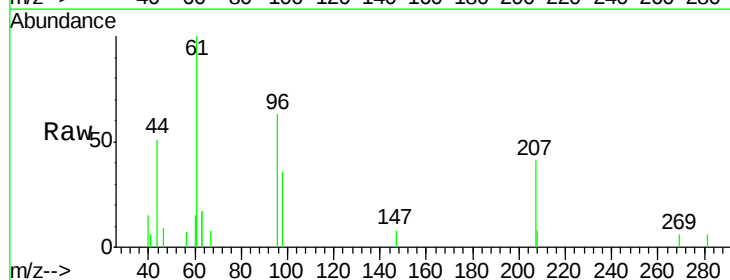
Tgt Ion: 96 Resp: 1196

Ion Ratio Lower Upper

96 100

61 159.0 115.3 172.9

98 56.6 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

1200

1000

800

600

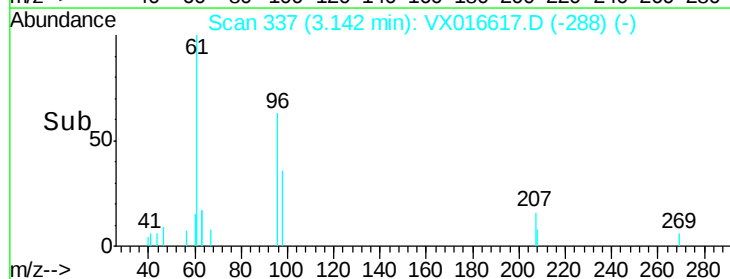
400

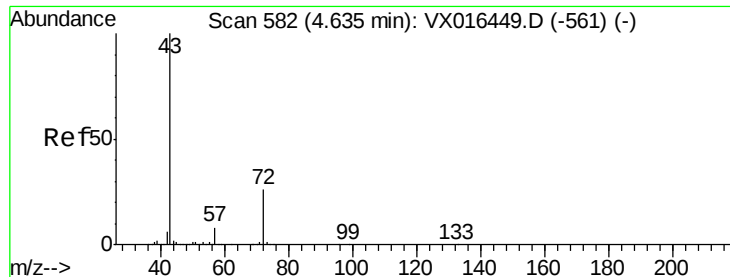
200

0

Time-->

3.10 3.15 3.20

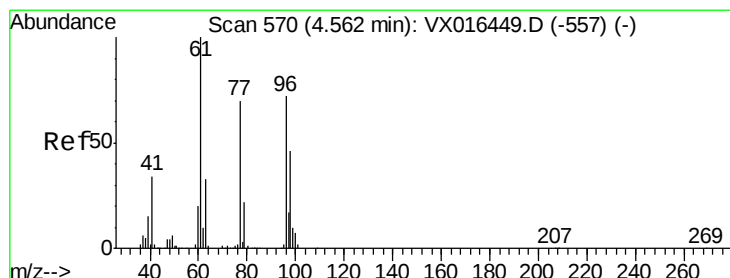
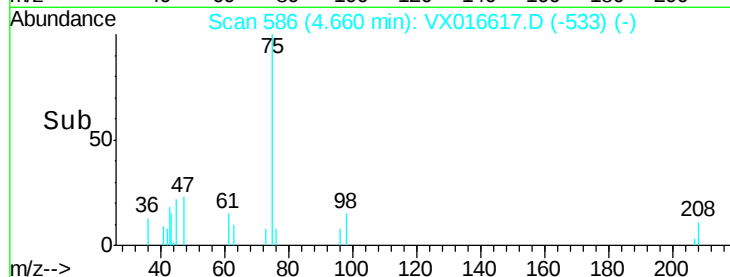
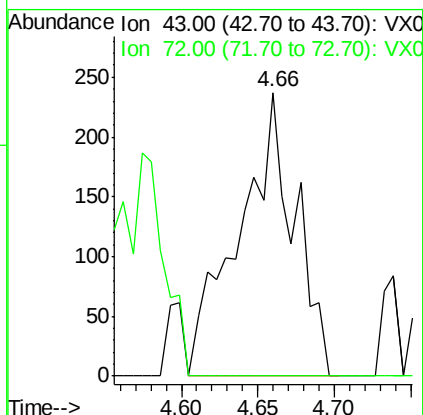
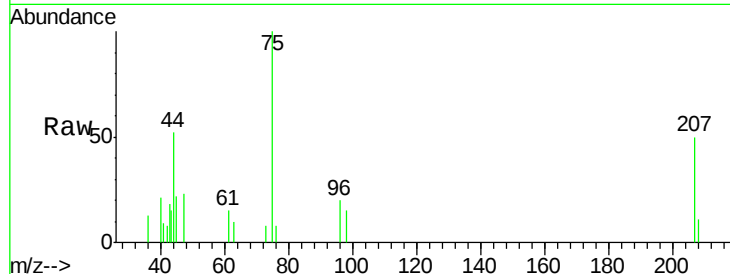




#25
2-Butanone
Concen: 0.30 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX016617.D
Acq: 05 Jun 2020 17:25

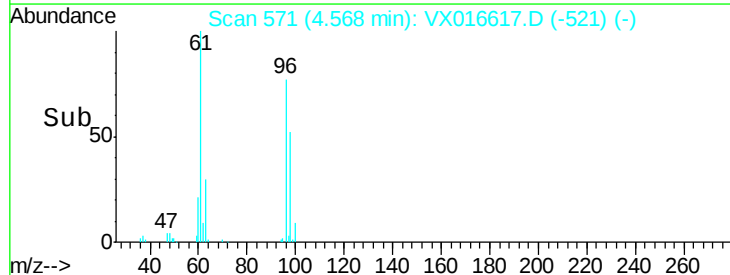
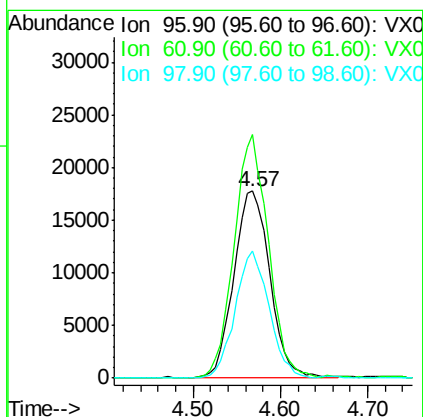
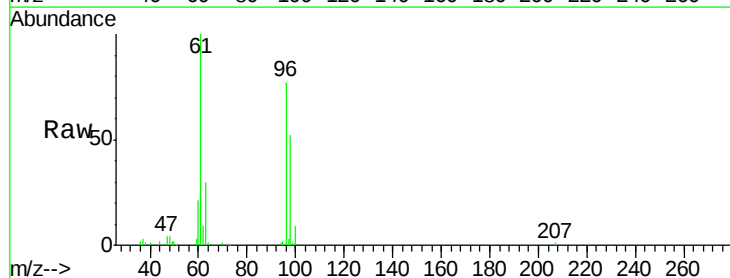
Instrument :
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ClientSampleId :
LF012MW004-200601

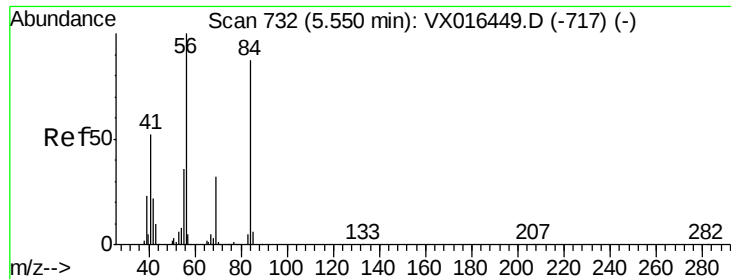
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#27
cis-1,2-Dichloroethene
Concen: 18.94 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016617.D
Acq: 05 Jun 2020 17:25

Tgt Ion: 96 Resp: 50922
Ion Ratio Lower Upper
96 100
61 123.6 0.0 284.6
98 64.1 0.0 127.2

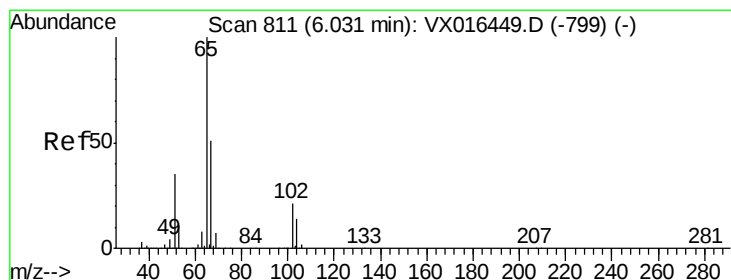
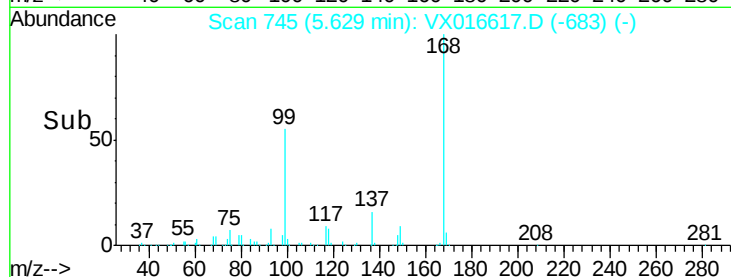
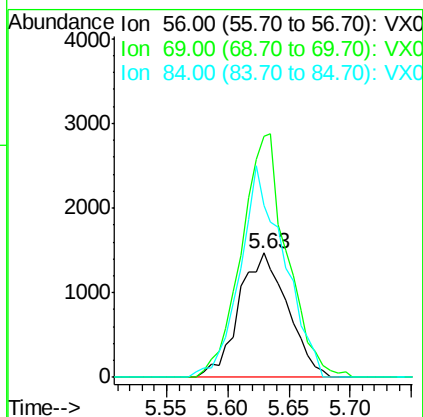
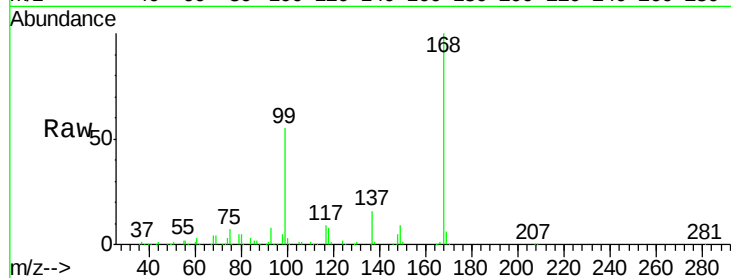




#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016617.D
Acq: 05 Jun 2020 17:25

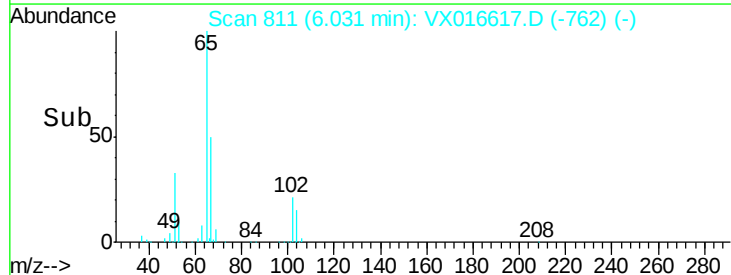
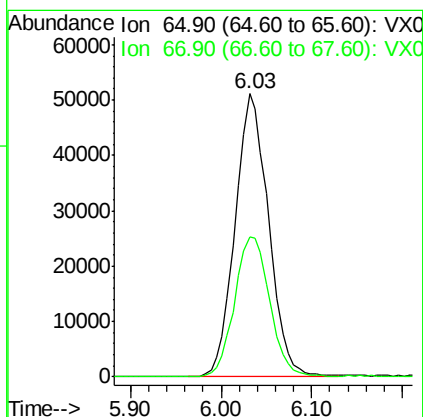
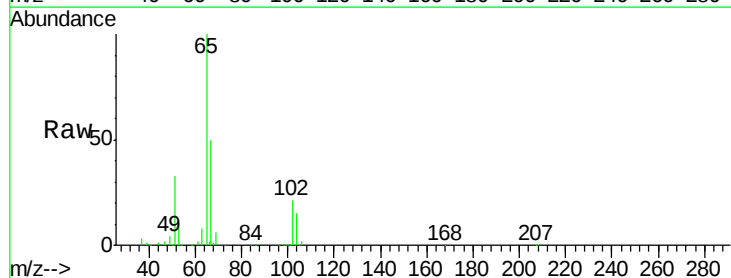
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-200601

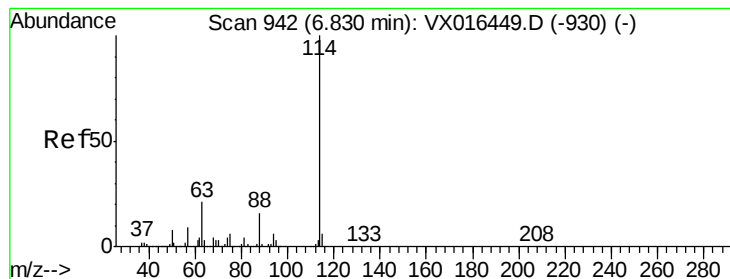
Tgt Ion: 56 Resp: 4067
Ion Ratio Lower Upper
56 100
69 193.9 25.7 38.5#
84 138.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.30 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016617.D
Acq: 05 Jun 2020 17:25

Tgt Ion: 65 Resp: 131003
Ion Ratio Lower Upper
65 100
67 51.9 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: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

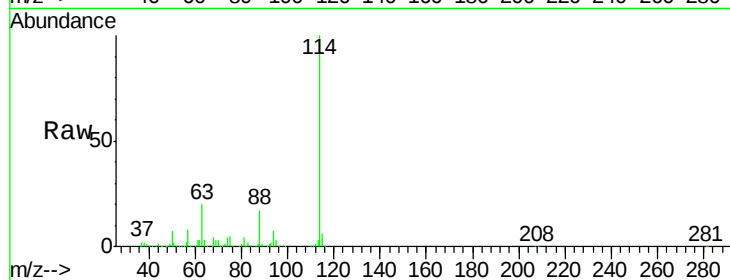
Tgt Ion:114 Resp: 348150

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

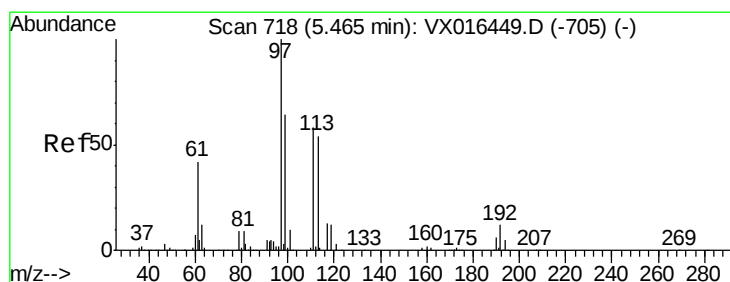
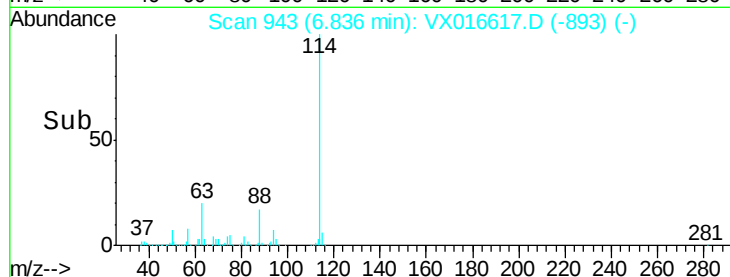
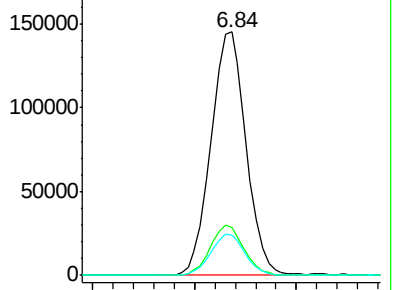
88 16.6 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 49.25 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

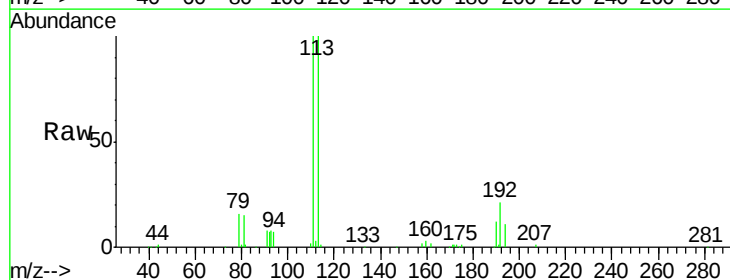
Tgt Ion:113 Resp: 105568

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.6

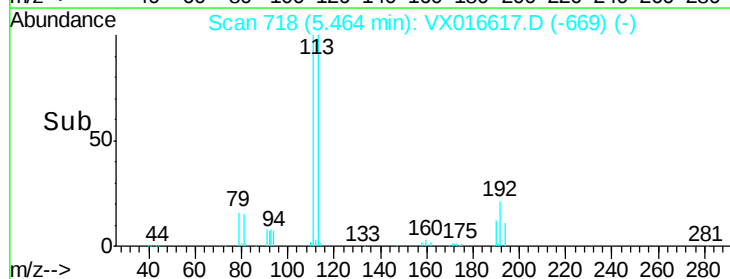
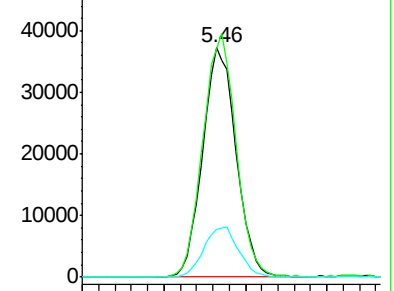
192 22.6 17.7 26.5

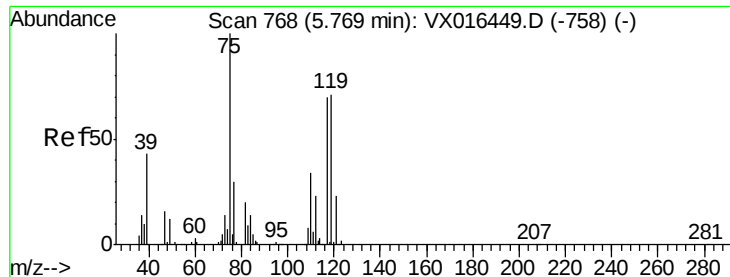


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.65 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

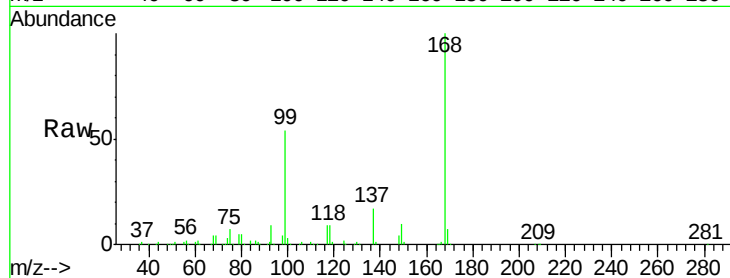
Tgt Ion: 75 Resp: 15339

Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.3#

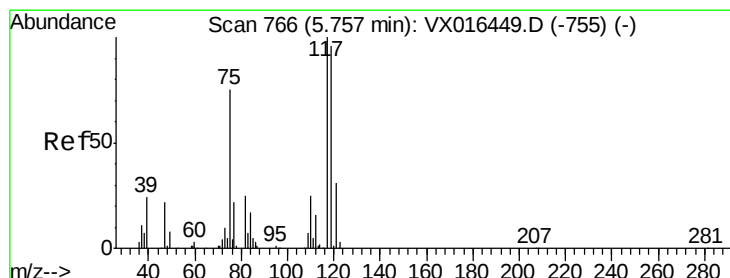
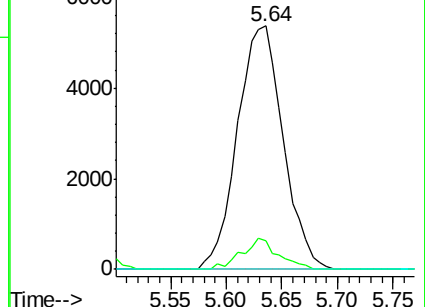
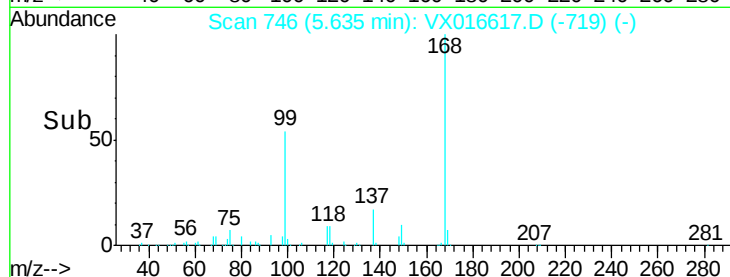
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016617.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016617.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016617.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 6.14 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

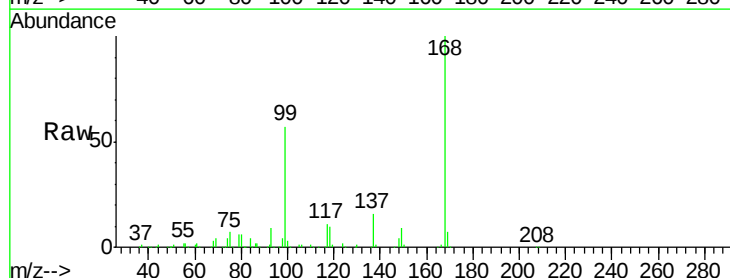
Tgt Ion: 117 Resp: 21256

Ion Ratio Lower Upper

117 100

119 6.6 76.3 114.5#

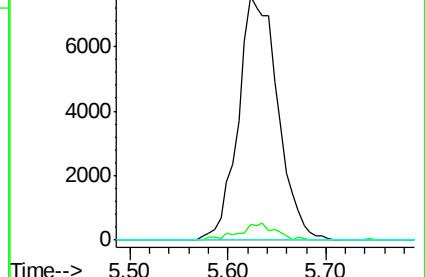
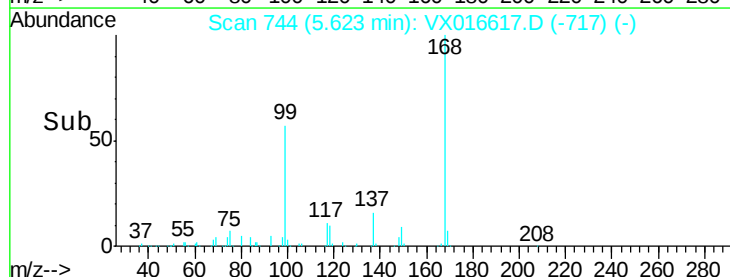
121 0.0 24.6 37.0#

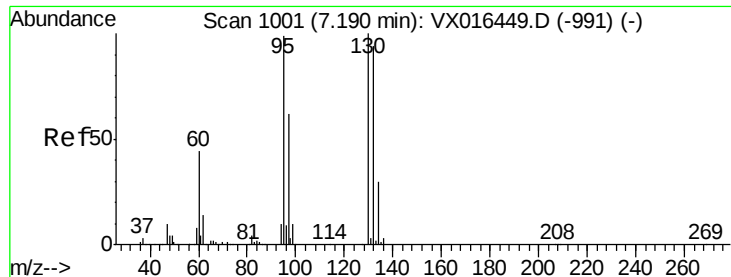


Abundance Ion 116.80 (116.50 to 117.50): VX016617.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016617.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016617.D (-717) (-)





#44

Trichloroethene

Concen: 0.40 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

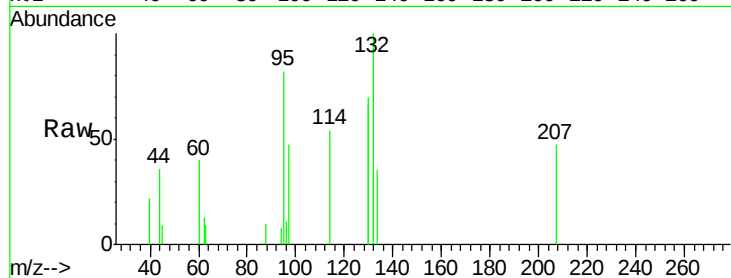
LF012MW004-200601

Tgt Ion:130 Resp: 1241

Ion Ratio Lower Upper

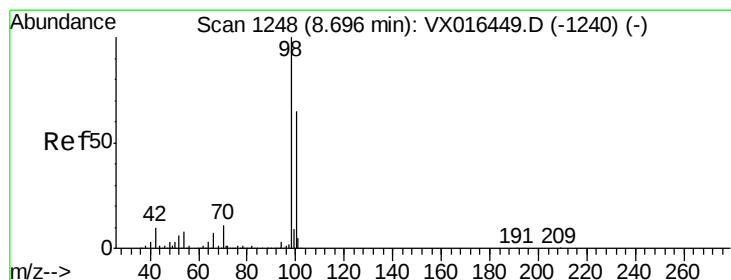
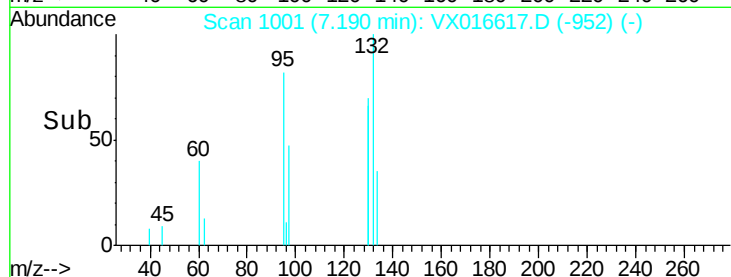
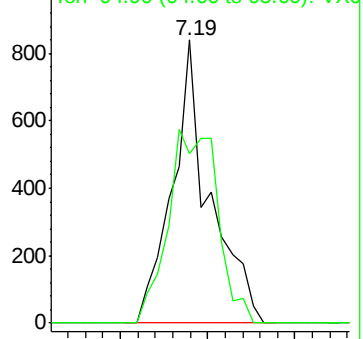
130 100

95 60.0 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: 51.82 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016617.D

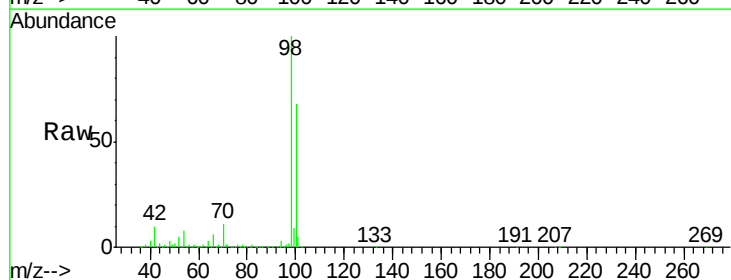
Acq: 05 Jun 2020 17:25

Tgt Ion: 98 Resp: 432390

Ion Ratio Lower Upper

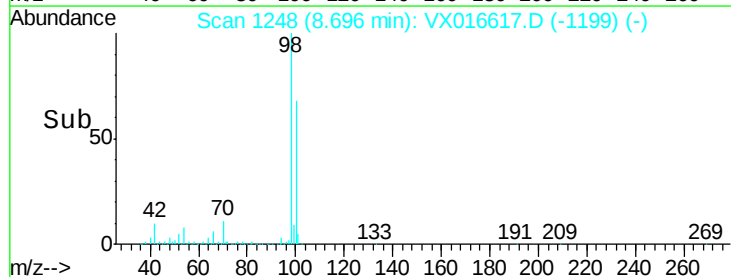
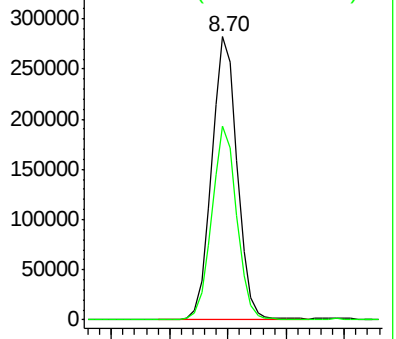
98 100

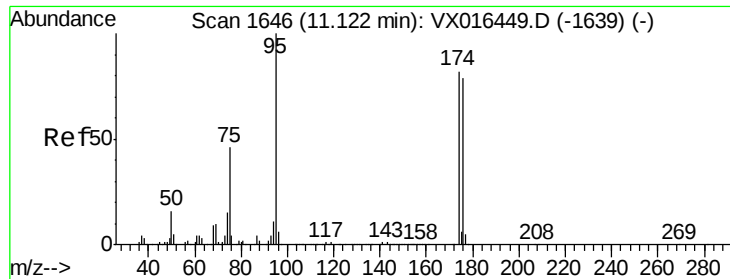
100 67.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.19 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

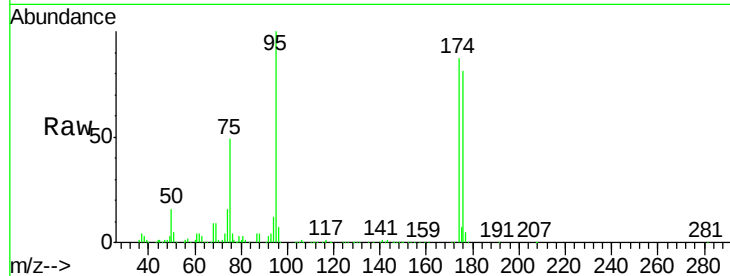
Tgt Ion: 95 Resp: 171478

Ion Ratio Lower Upper

95 100

174 86.1 0.0 163.0

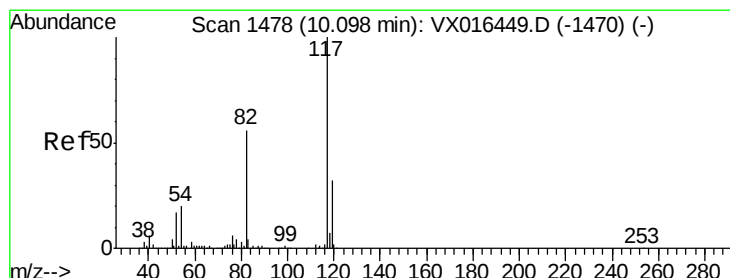
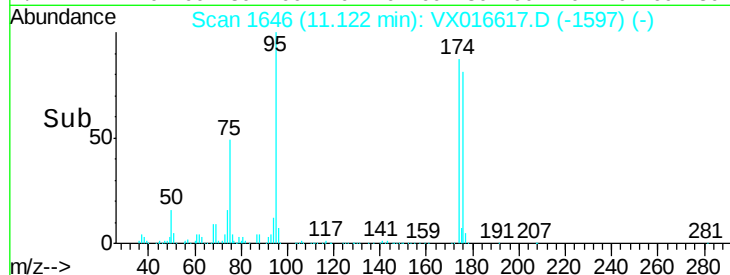
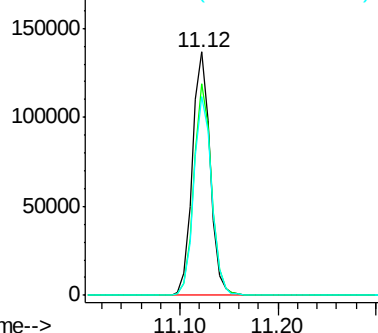
176 82.3 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

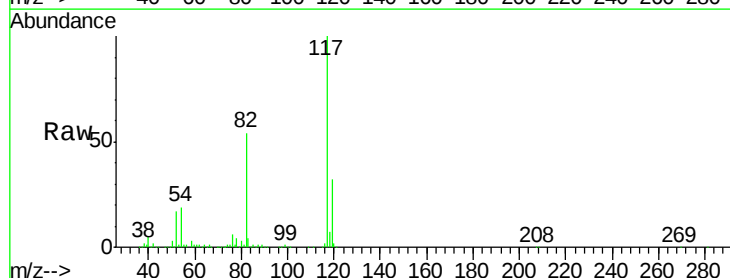
Tgt Ion: 117 Resp: 354187

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.6

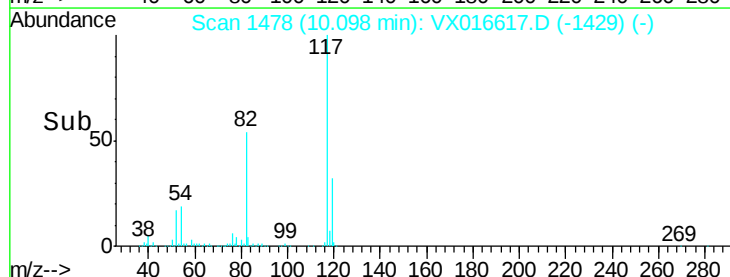
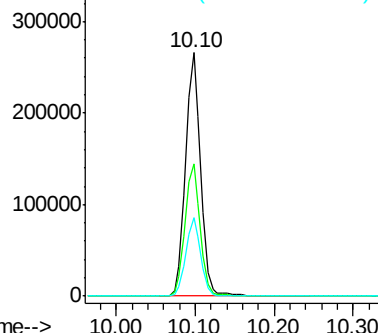
119 32.4 25.8 38.8

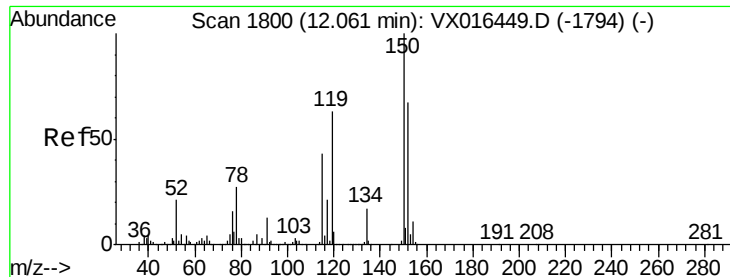


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

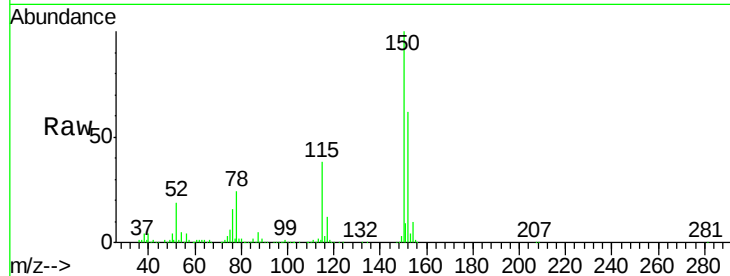
Tgt Ion: 152 Resp: 175733

Ion Ratio Lower Upper

152 100

115 60.2 39.9 119.6

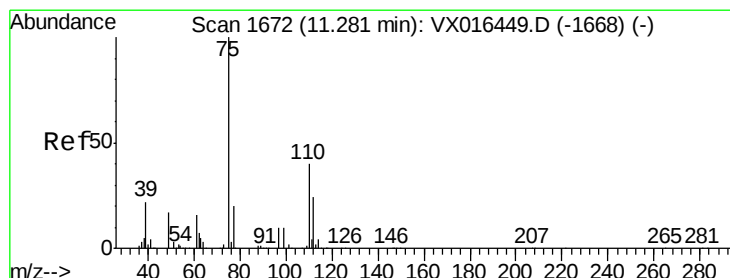
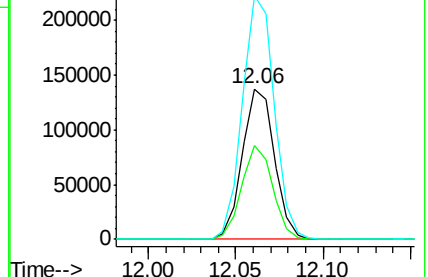
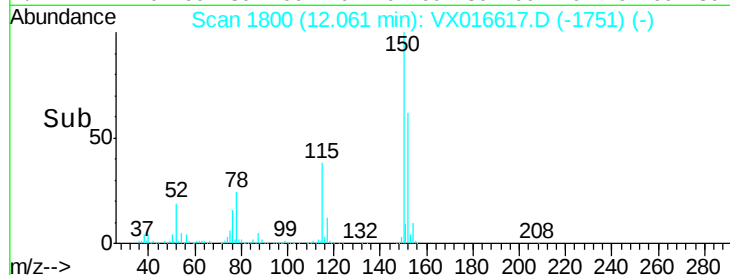
150 160.4 0.0 341.0



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: 21.66 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016617.D

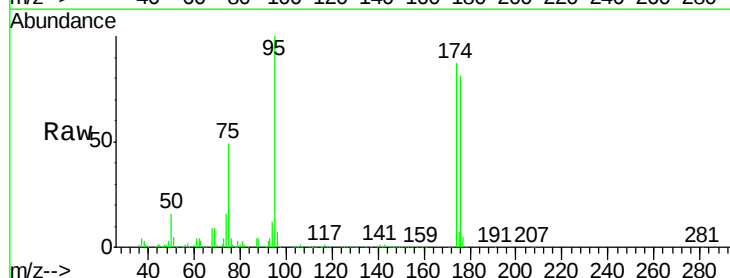
Acq: 05 Jun 2020 17:25

Tgt Ion: 75 Resp: 83649

Ion Ratio Lower Upper

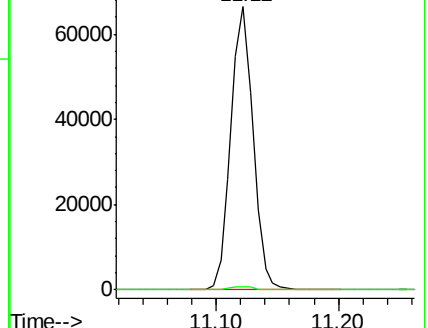
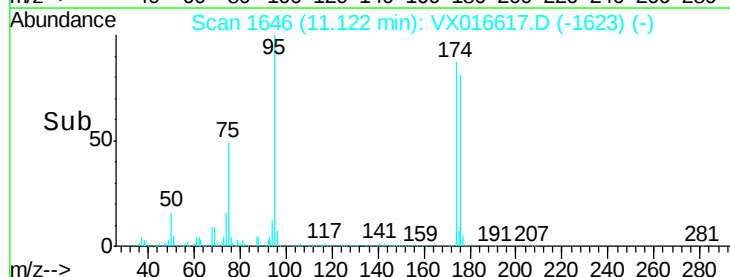
75 100

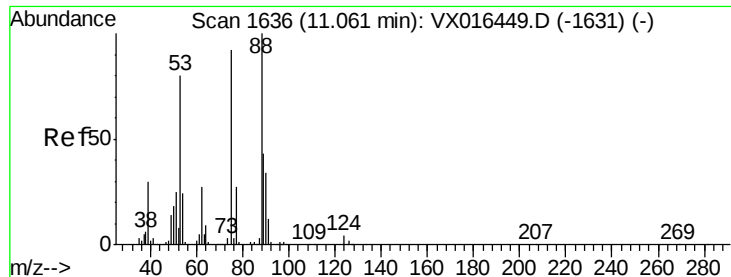
77 1.3 21.3 63.7#



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: 53.27 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016617.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-200601

Tgt Ion: 75 Resp: 83649

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

