

Data File : VX016698.D
Acq On : 11 Jun 2020 12:55
Operator : JC/SP
Sample : L2978-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS032MW001-200610

Quant Time: Jun 12 06:54:48 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	212182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	332567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	339193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	172365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	126739	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	5.46	113	104052	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	8.70	98	409524	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.12	95	162853	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	

Target Compounds

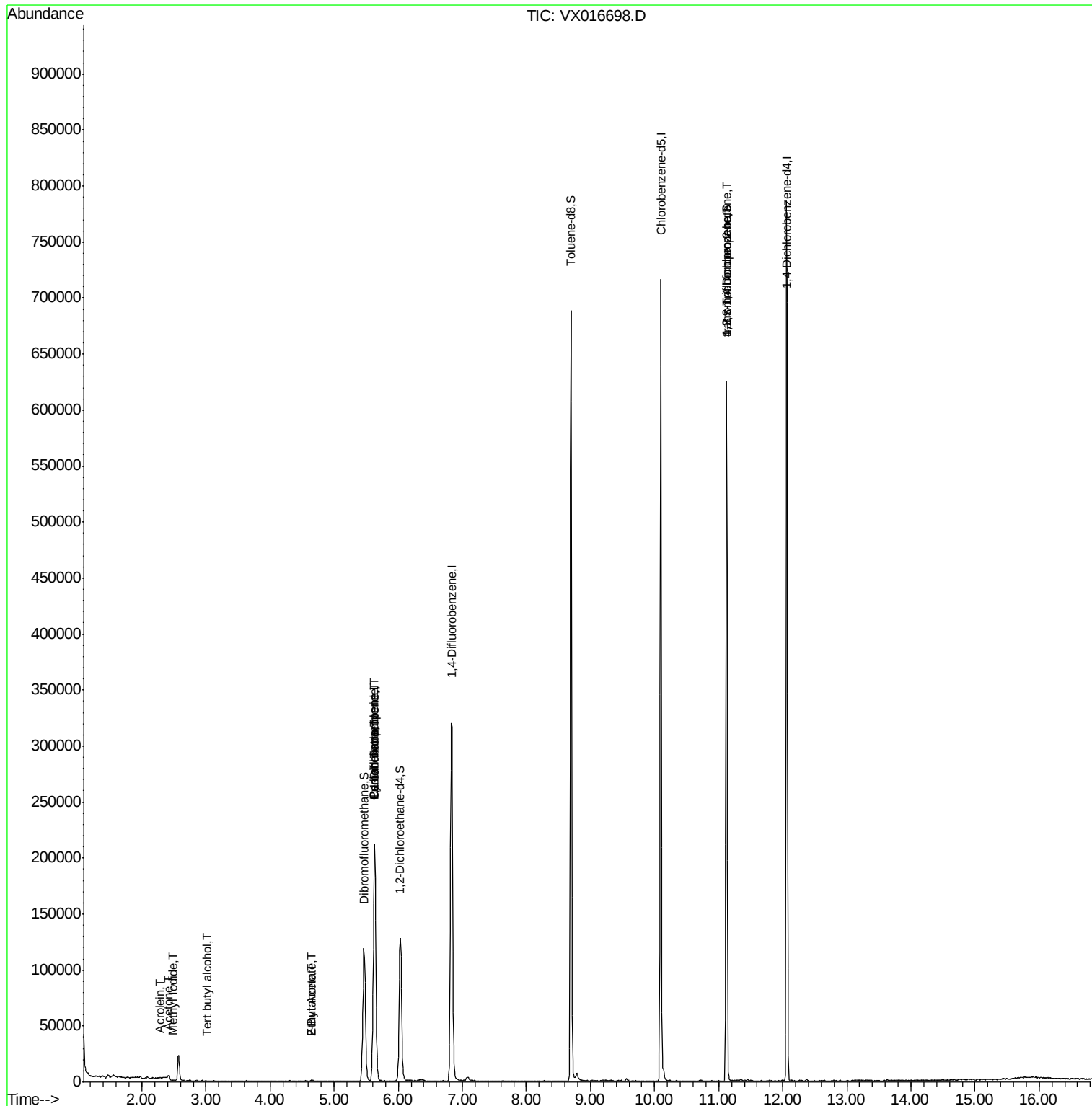
						Qvalue
10) Methyl Iodide	2.49	142	123	3.105	ug/l #	64
11) Tert butyl alcohol	3.01	59	279	0.413	ug/l #	72
13) Acrolein	2.28	56	260	0.905	ug/l #	41
16) Acetone	2.42	43	3010	2.607	ug/l	92
25) 2-Butanone	4.65	43	1174	0.600	ug/l #	49
31) Cyclohexane	5.62	56	3987	1.089	ug/l #	28
36) 1,1-Dichloropropene	5.64	75	14245	4.524	ug/l #	51
37) Ethyl Acetate	4.65	43	1174	0.311	ug/l #	67
38) Carbon Tetrachloride	5.63	117	19789	5.980	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	77297	20.402	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	77297	50.186	ug/l #	14

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

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Instrument :

MSVOA_X

ClientSampleId :

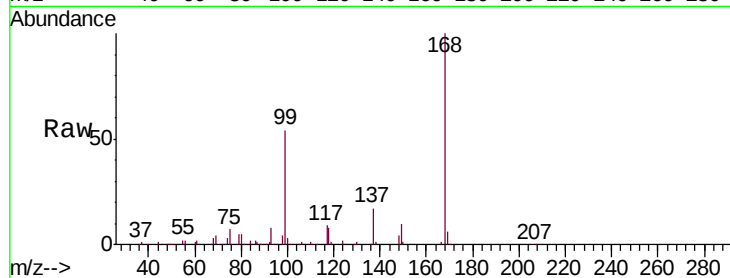
SS032MW001-200610

Tgt Ion:168 Resp: 212182

Ion Ratio Lower Upper

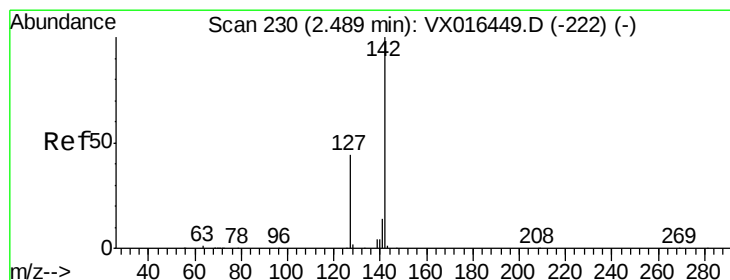
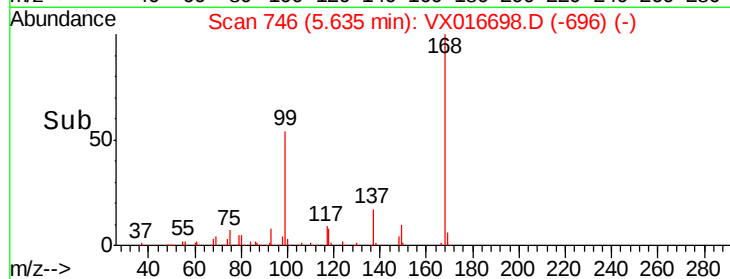
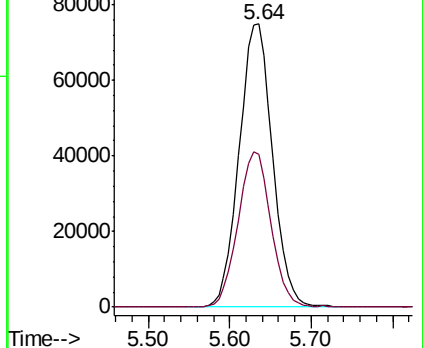
168 100

99 54.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 3.105 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

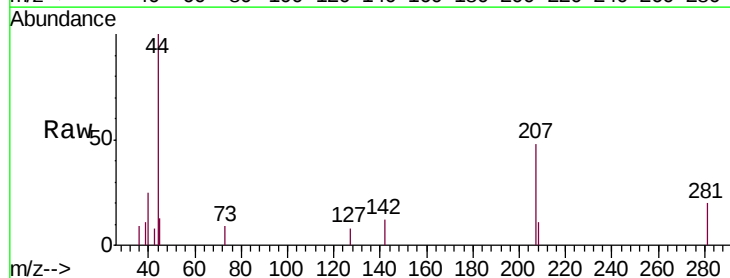
Tgt Ion:142 Resp: 123

Ion Ratio Lower Upper

142 100

127 67.5 35.3 52.9#

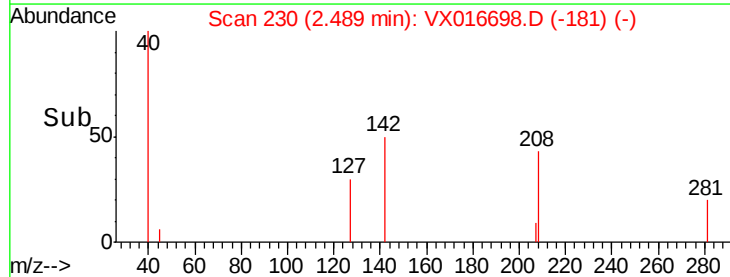
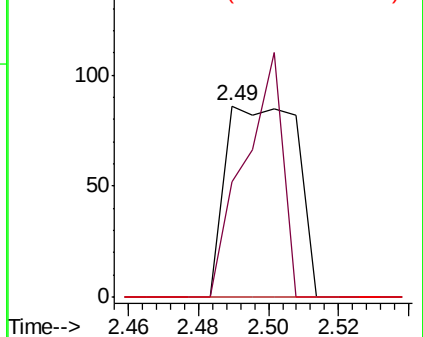
141 0.0 11.4 17.2#

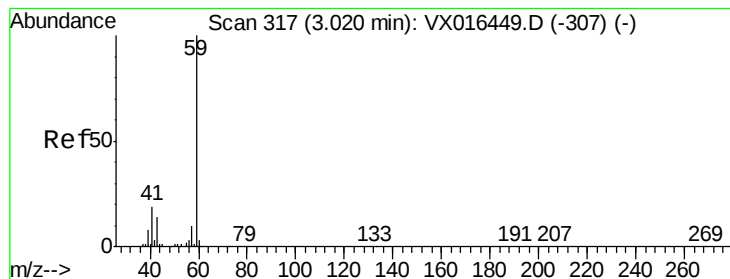


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



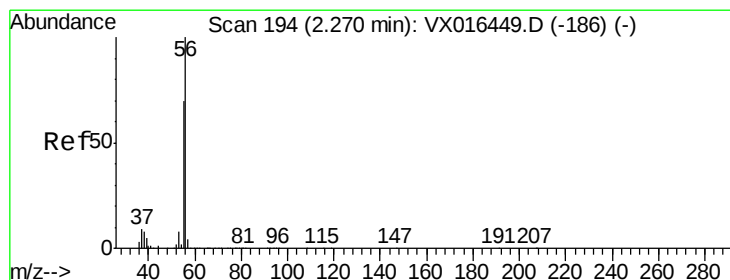
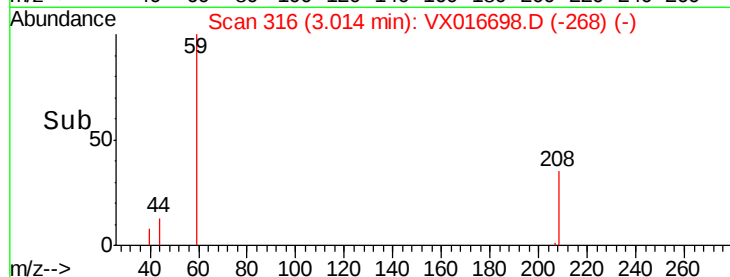
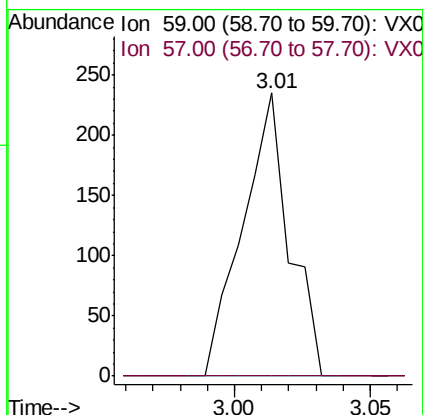
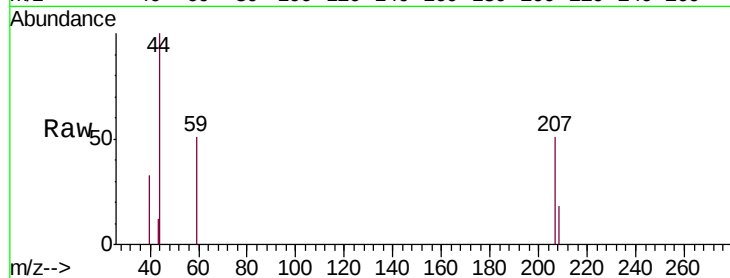


#11

Tert butyl alcohol
 Concen: 0.413 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016698.D
 Acq: 11 Jun 2020 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW001-200610

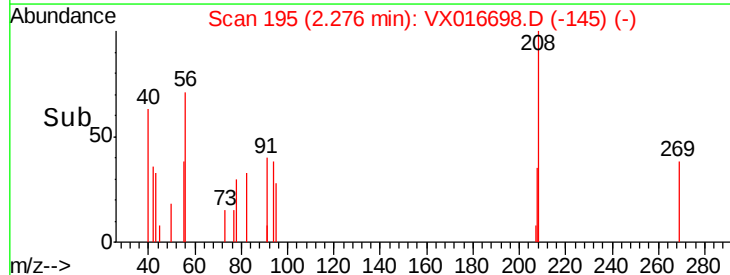
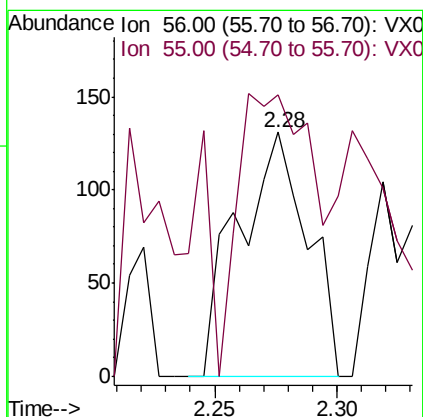
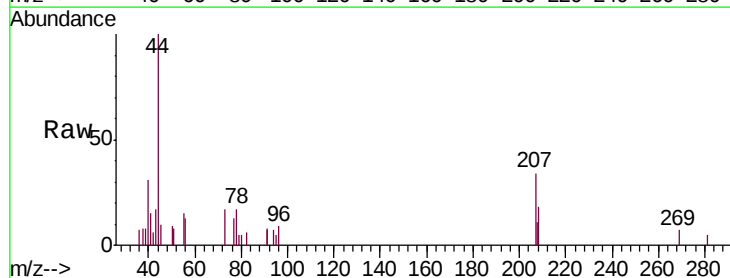
Tgt Ion: 59 Resp: 279
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

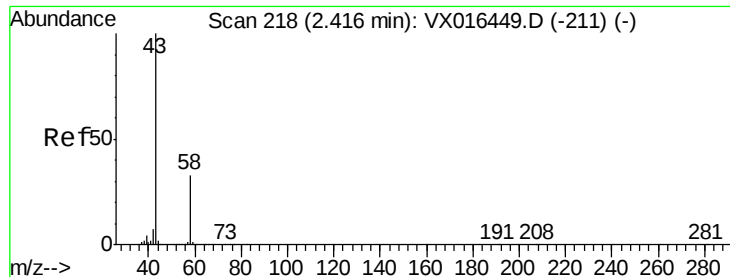


#13

Acrolein
 Concen: 0.905 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016698.D
 Acq: 11 Jun 2020 12:55

Tgt Ion: 56 Resp: 260
 Ion Ratio Lower Upper
 56 100
 55 122.7 58.3 87.5#





#16

Acetone

Concen: 2.607 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

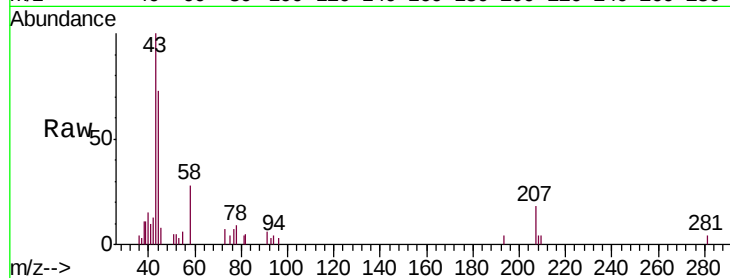
SS032MW001-200610

Tgt Ion: 43 Resp: 3010

Ion Ratio Lower Upper

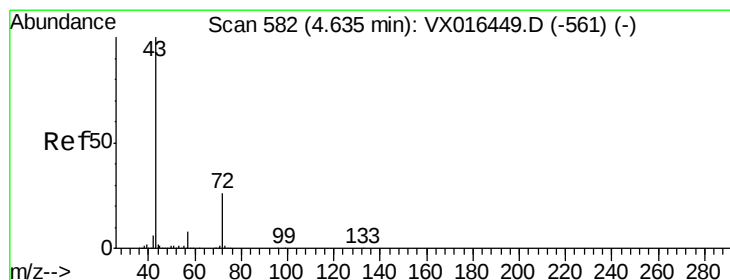
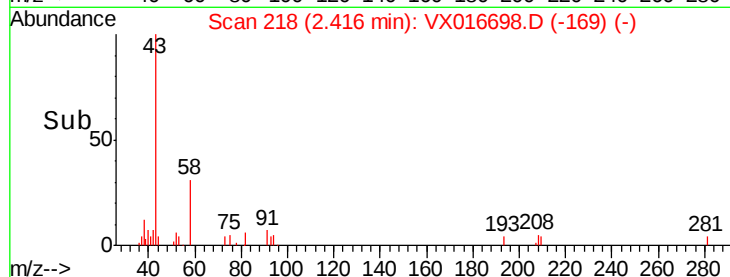
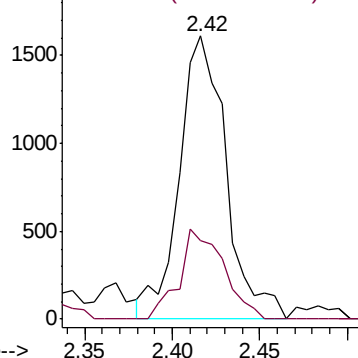
43 100

58 27.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.600 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016698.D

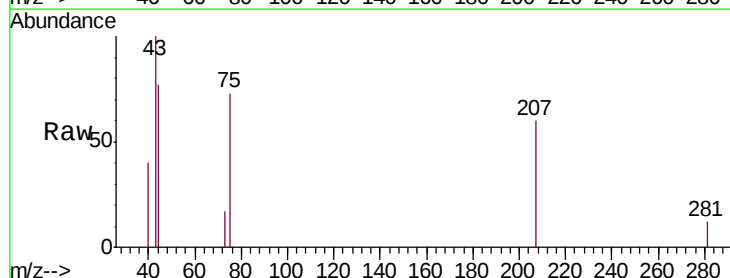
Acq: 11 Jun 2020 12:55

Tgt Ion: 43 Resp: 1174

Ion Ratio Lower Upper

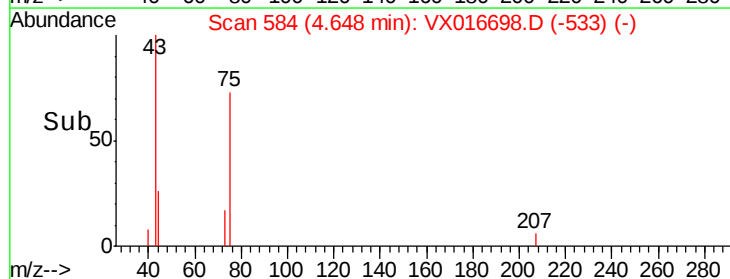
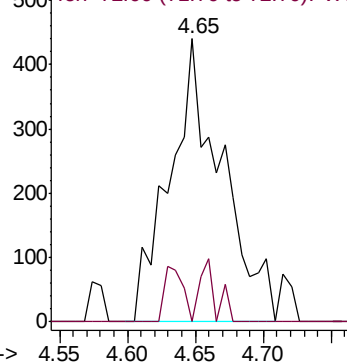
43 100

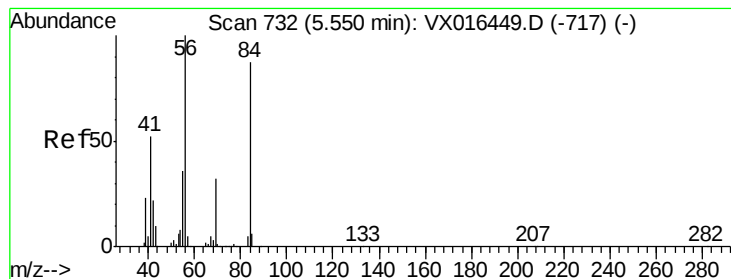
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.089 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

SS032MW001-200610

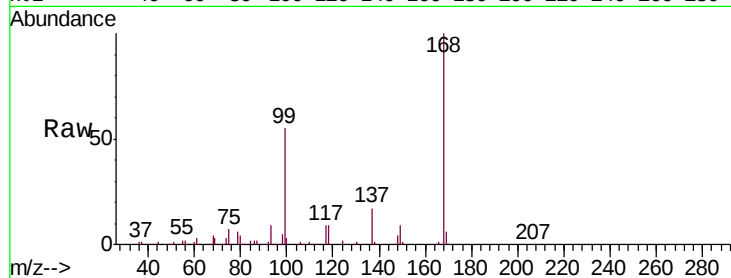
Tgt Ion: 56 Resp: 3987

Ion Ratio Lower Upper

56 100

69 144.7 25.7 38.5#

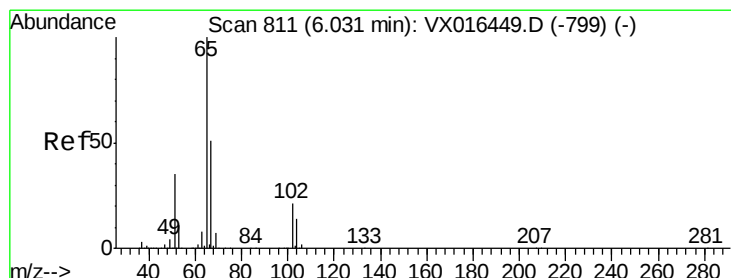
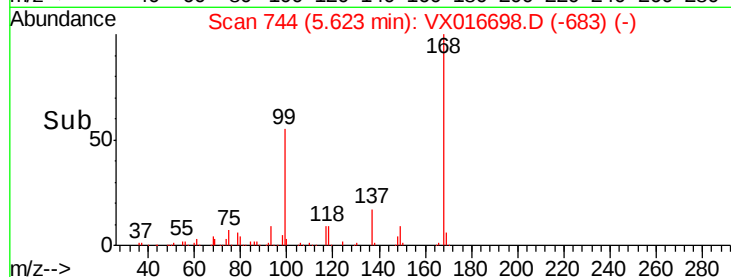
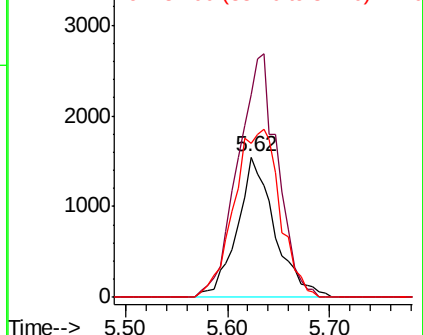
84 109.7 70.0 105.0#



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: 48.098 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016698.D

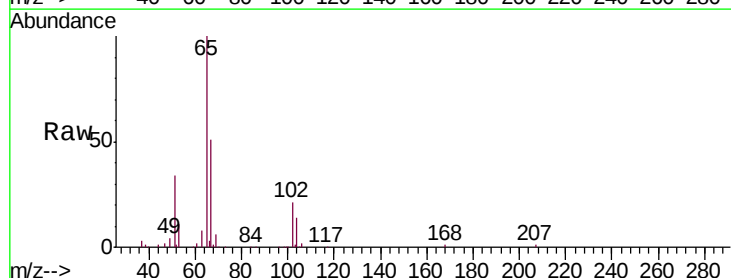
Acq: 11 Jun 2020 12:55

Tgt Ion: 65 Resp: 126739

Ion Ratio Lower Upper

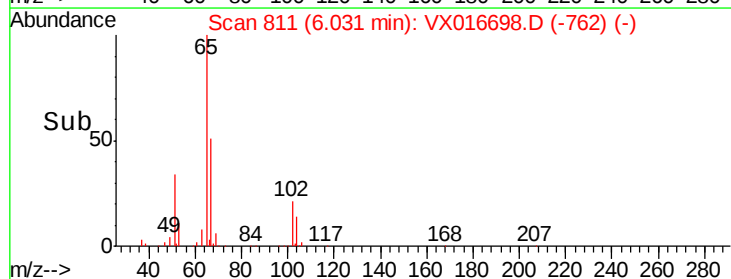
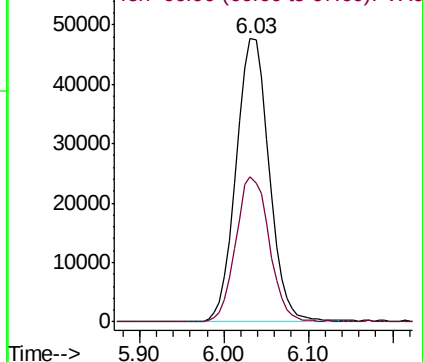
65 100

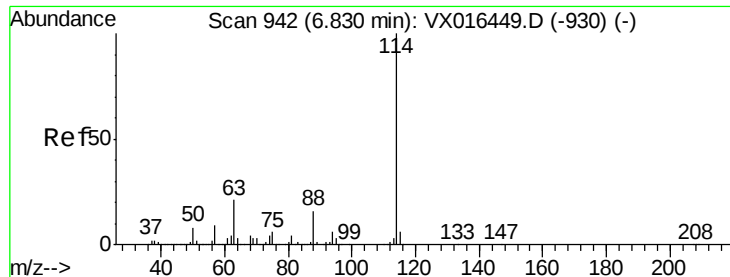
67 52.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

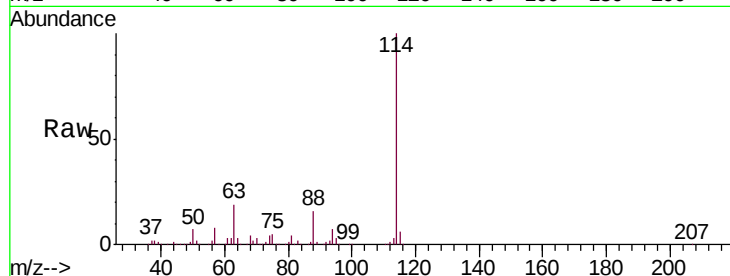




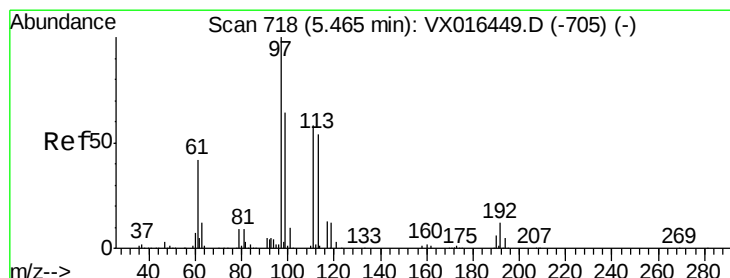
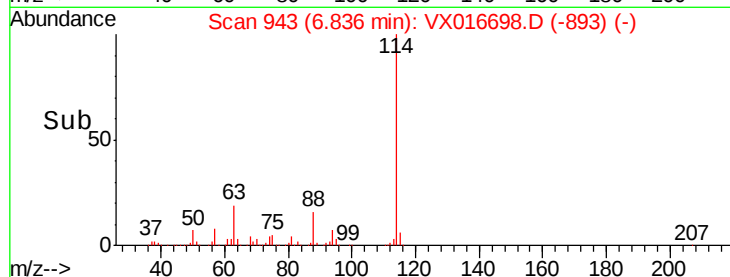
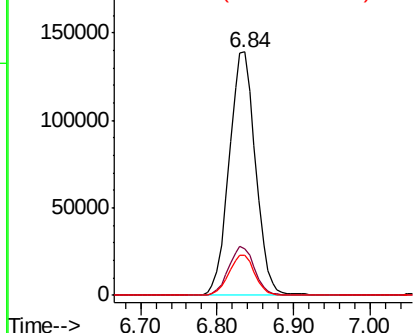
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.01 min
Lab File: VX016698.D
Acq: 11 Jun 2020 12:55

Instrument :
MSVOA_X
ClientSampleId :
SS032MW001-200610

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.6
88	16.4	0.0	32.8

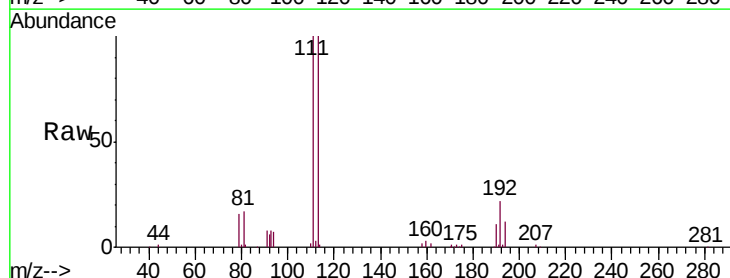


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

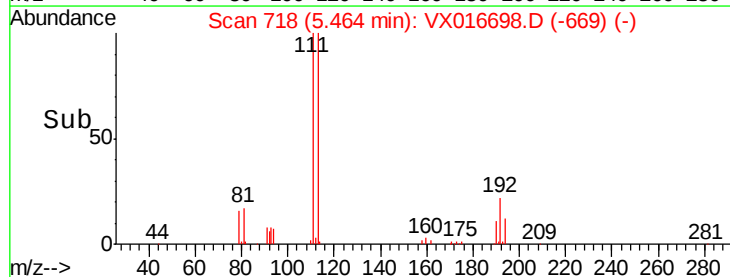
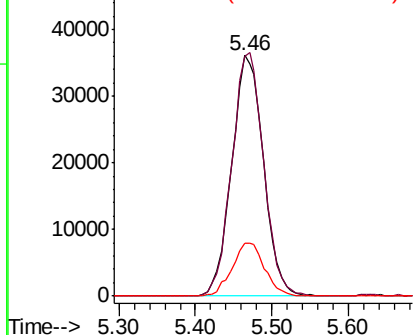


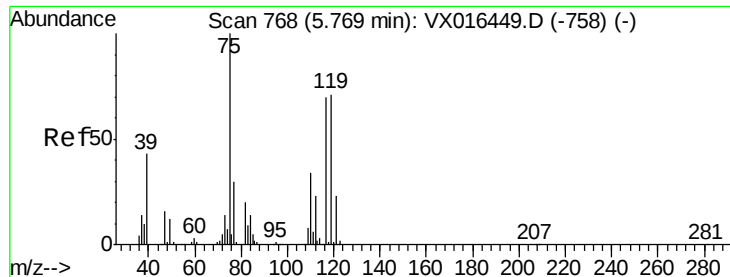
#35
Dibromofluoromethane
Concen: 50.812 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016698.D
Acq: 11 Jun 2020 12:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.0	124.6
192	22.4	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: 4.524 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

SS032MW001-200610

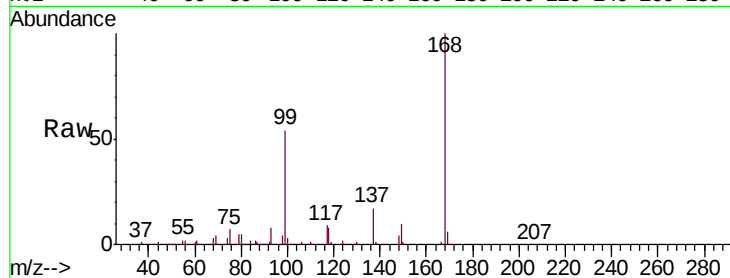
Tgt Ion: 75 Resp: 14245

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

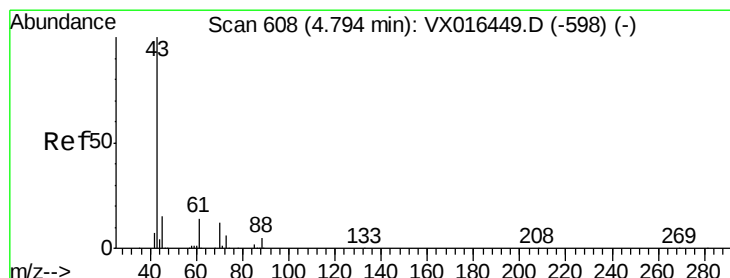
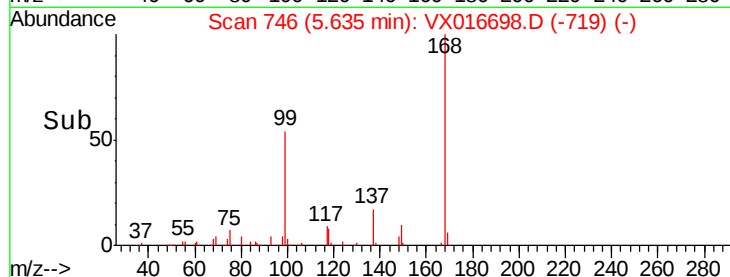
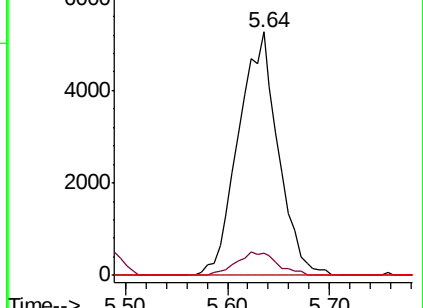
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.311 ug/l

RT: 4.65 min Scan# 584

Delta R.T. -0.15 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

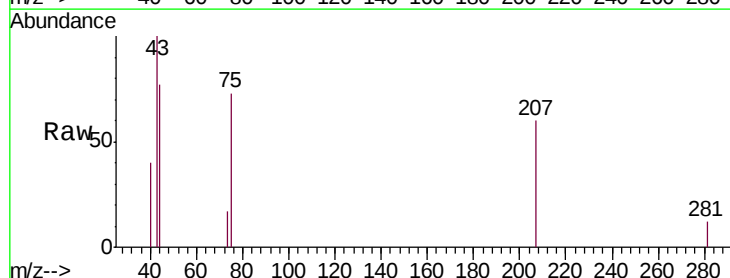
Tgt Ion: 43 Resp: 1174

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

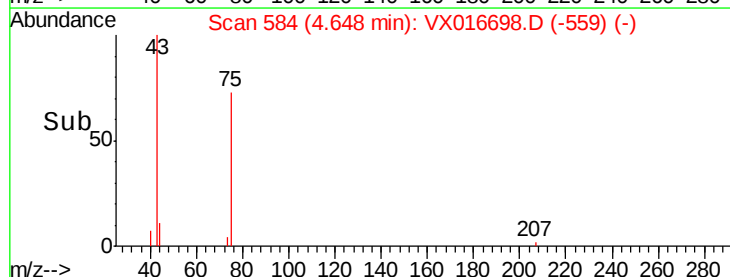
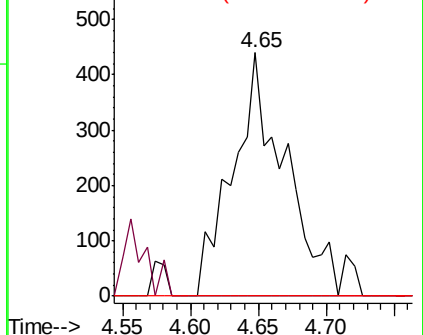
70 0.0 9.3 13.9#

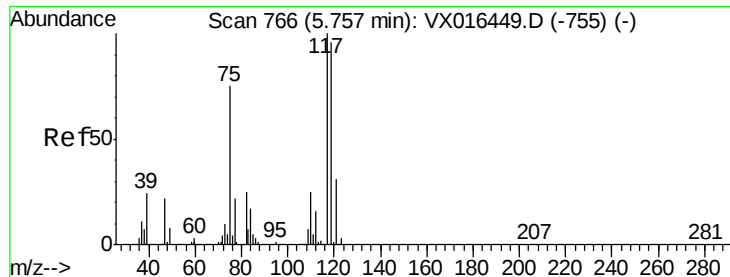


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.980 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

SS032MW001-200610

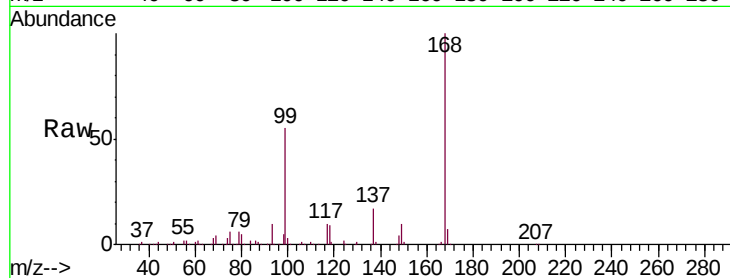
Tgt Ion:117 Resp: 19789

Ion Ratio Lower Upper

117 100

119 7.4 76.3 114.5#

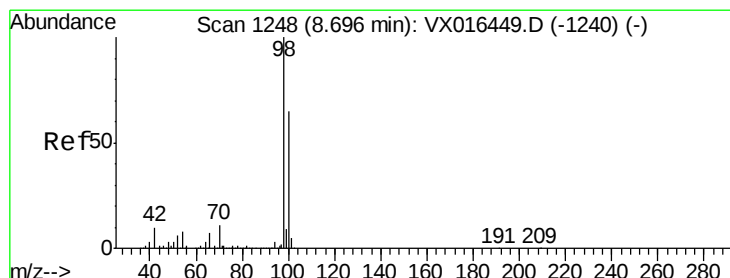
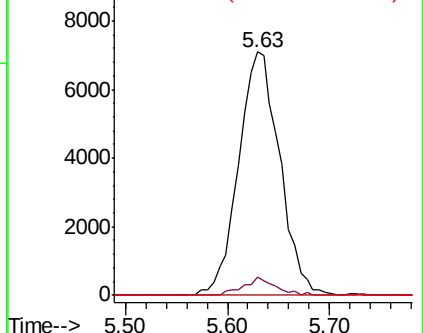
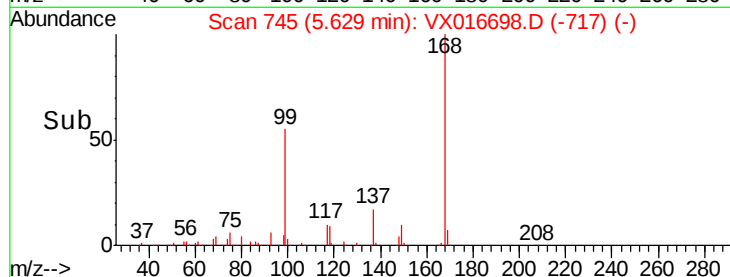
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 51.381 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016698.D

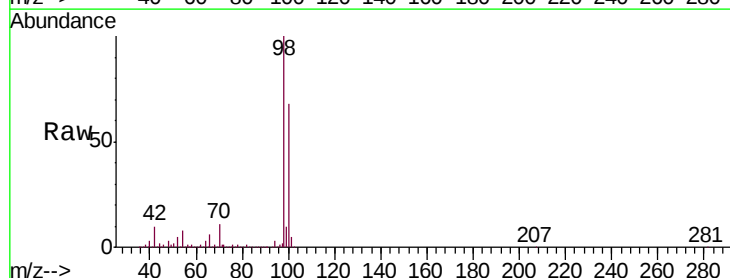
Acq: 11 Jun 2020 12:55

Tgt Ion: 98 Resp: 409524

Ion Ratio Lower Upper

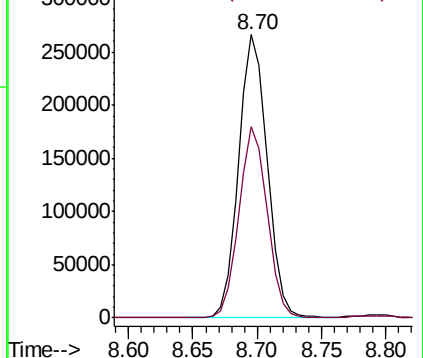
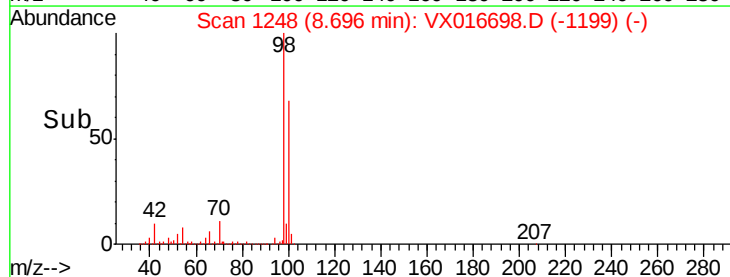
98 100

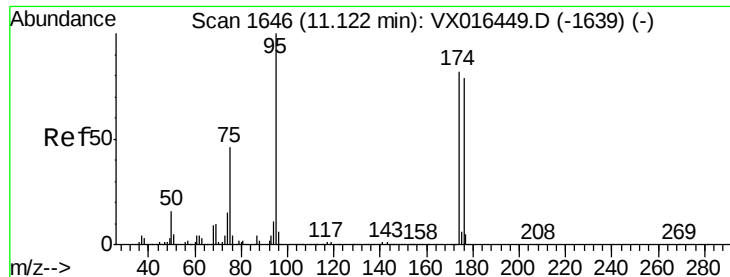
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.879 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

SS032MW001-200610

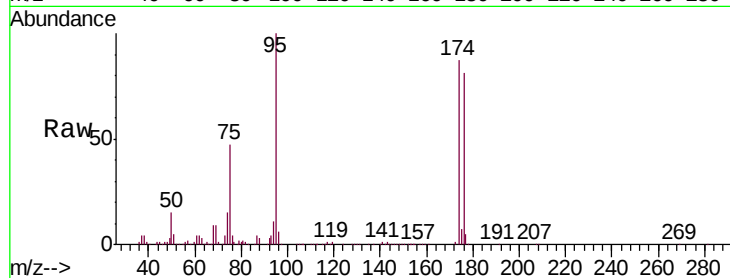
Tgt Ion: 95 Resp: 162853

Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.0

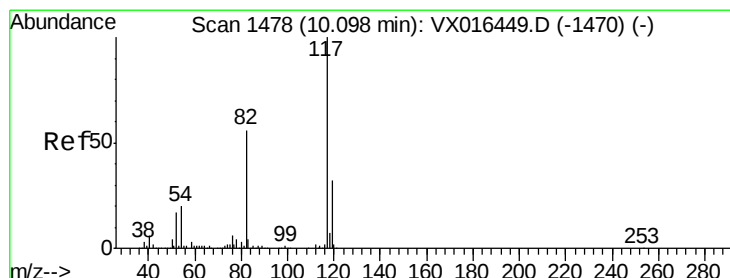
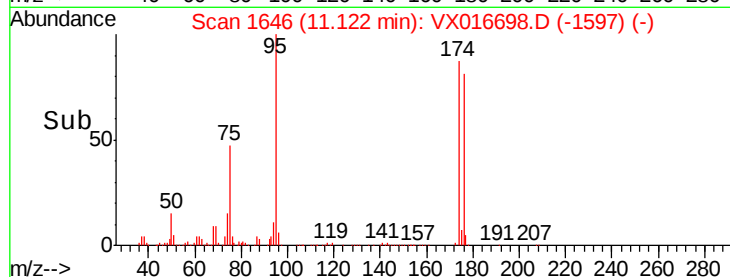
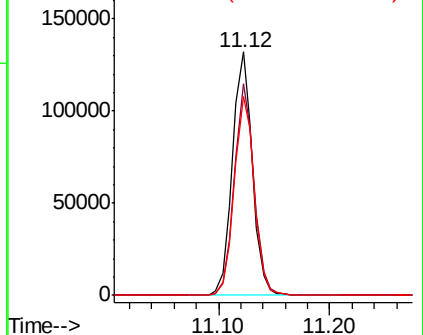
176 82.4 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016698.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016698.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016698.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

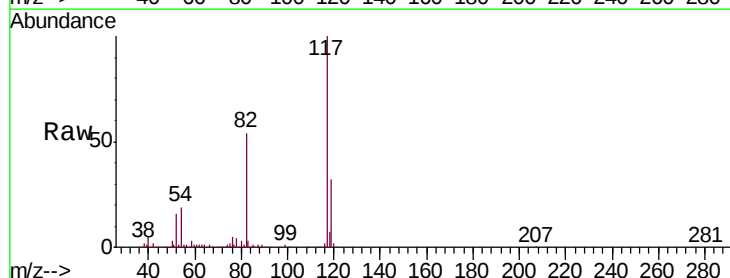
Tgt Ion: 117 Resp: 339193

Ion Ratio Lower Upper

117 100

82 53.9 45.0 67.6

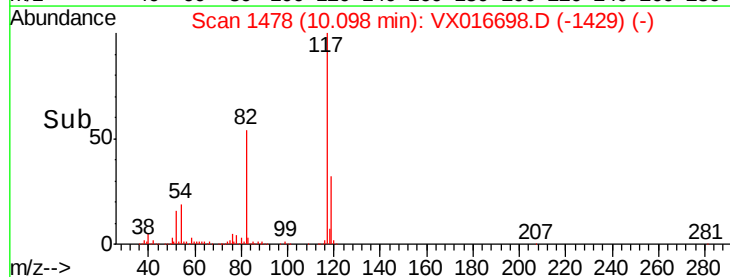
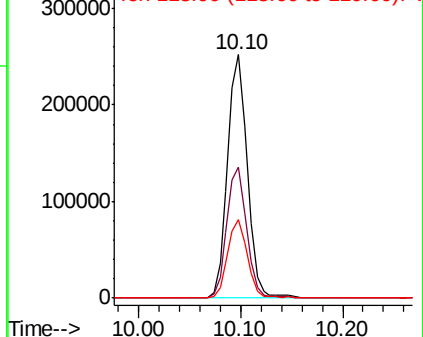
119 32.3 25.8 38.8

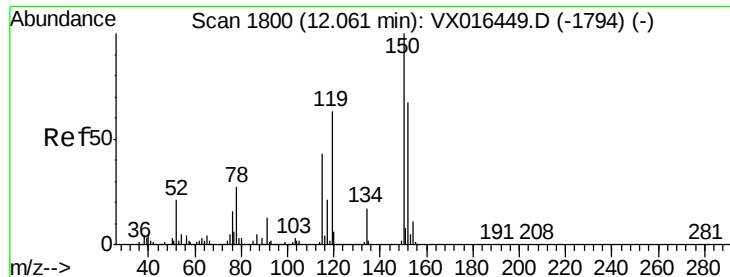


Abundance Ion 116.90 (116.60 to 117.60): VX016698.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016698.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016698.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

SS032MW001-200610

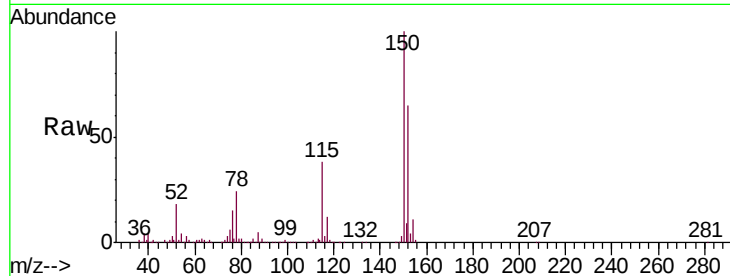
Tgt Ion: 152 Resp: 172365

Ion Ratio Lower Upper

152 100

115 57.4 39.9 119.6

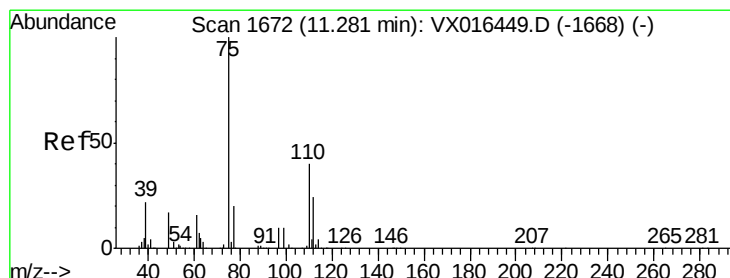
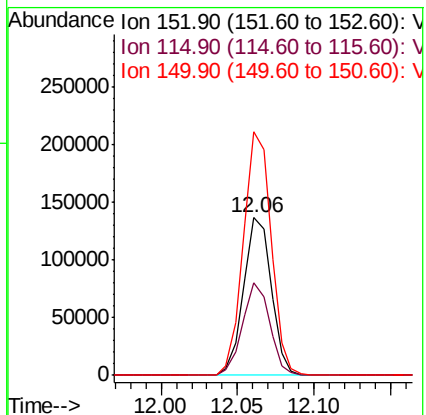
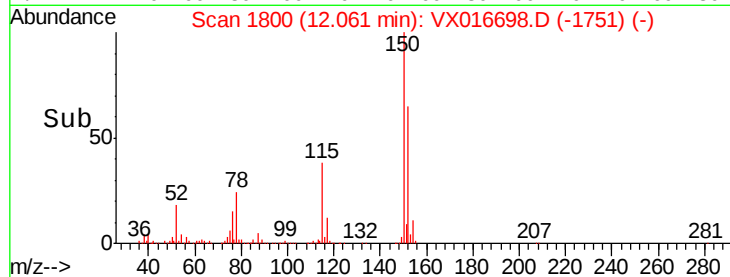
150 154.7 0.0 341.0



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: 20.402 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016698.D

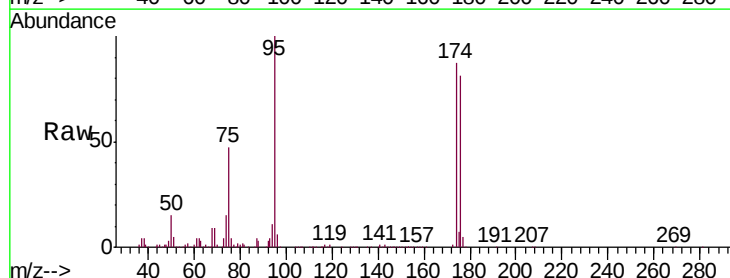
Acq: 11 Jun 2020 12:55

Tgt Ion: 75 Resp: 77297

Ion Ratio Lower Upper

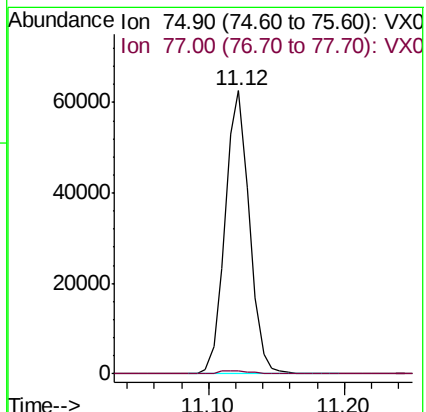
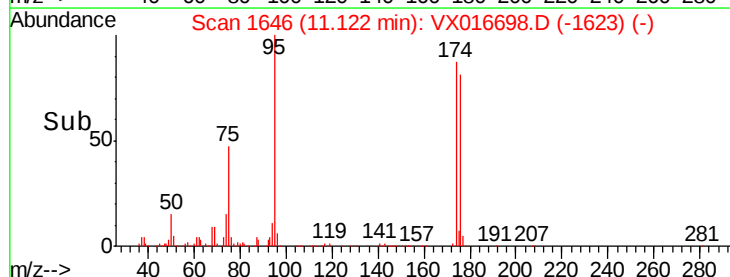
75 100

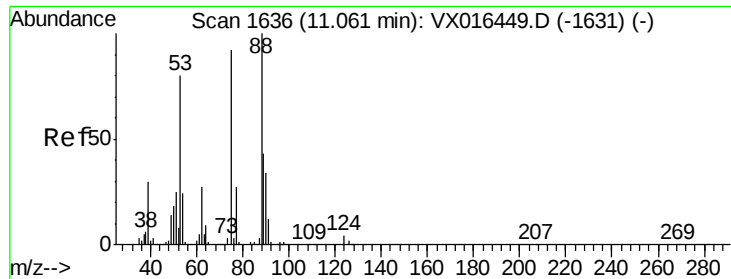
77 1.4 21.3 63.7#



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: 50.186 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016698.D

Acq: 11 Jun 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

SS032MW001-200610

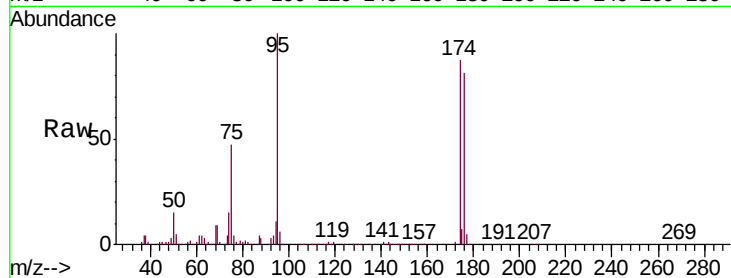
Tgt Ion: 75 Resp: 77297

Ion Ratio Lower Upper

75 100

53 0.2 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

