

Data File : VX016697.D
Acq On : 11 Jun 2020 12:33
Operator : JC/SP
Sample : L2978-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z1-TB7-200610

Quant Time: Jun 12 06:54:36 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	208860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	331026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	340720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	168944	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	124708	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	5.47	113	102208	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.70	98	410432	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.12	95	163576	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	

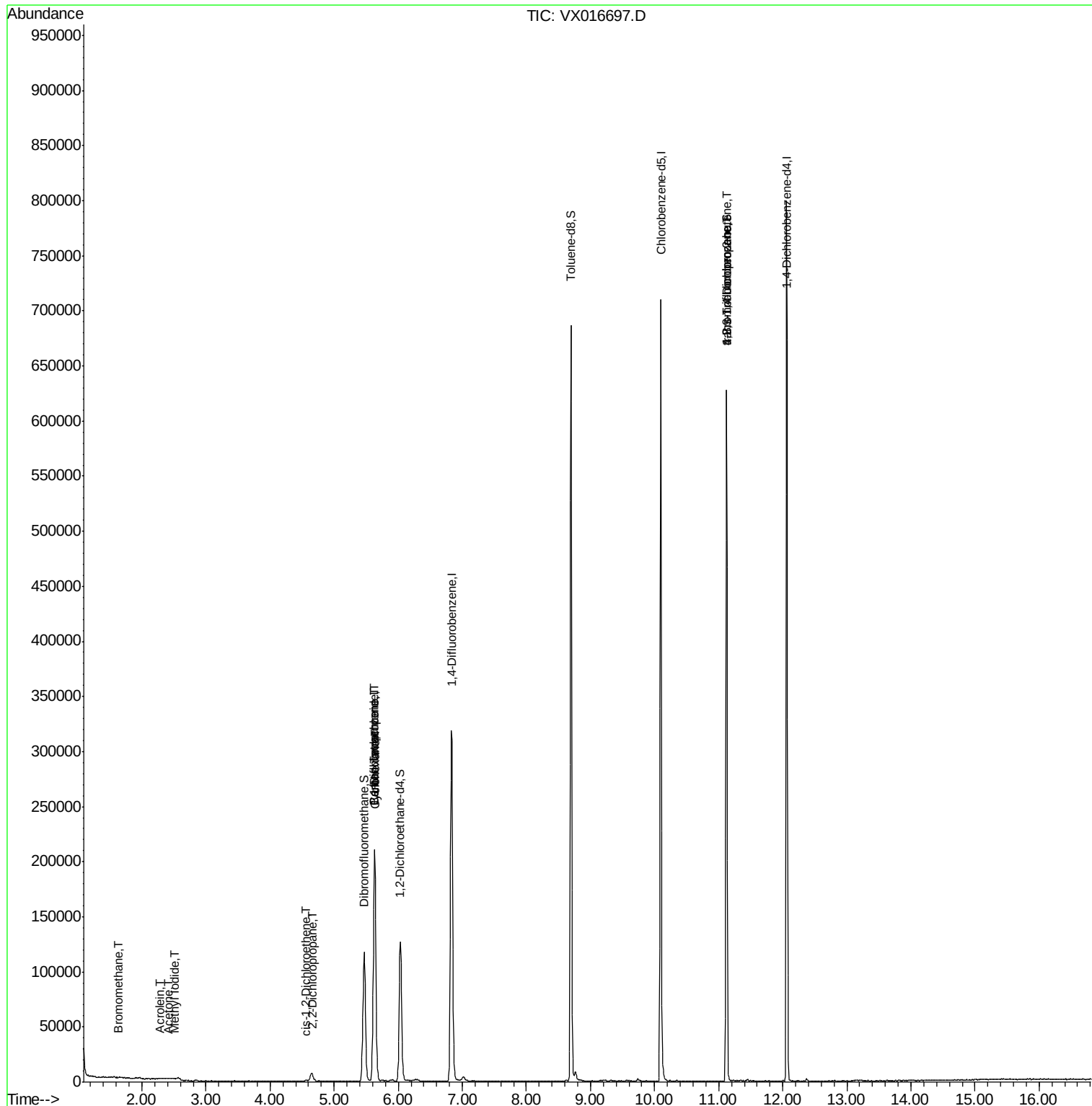
Target Compounds			Qvalue			
5) Bromomethane	1.64	94	321	0.251	ug/l #	16
10) Methyl Iodide	2.51	142	280	3.171	ug/l #	49
13) Acrolein	2.28	56	345	1.219	ug/l	87
16) Acetone	2.41	43	620	0.546	ug/l #	88
26) 2,2-Dichloropropane	4.66	77	766	0.234	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	646	0.251	ug/l	64
31) Cyclohexane	5.64	56	3706	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14386	4.590	ug/l #	50
38) Carbon Tetrachloride	5.63	117	19806	6.013	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	79480	21.403	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	79480	52.648	ug/l #	14

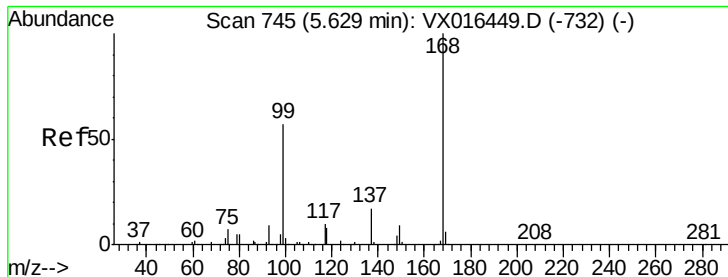
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

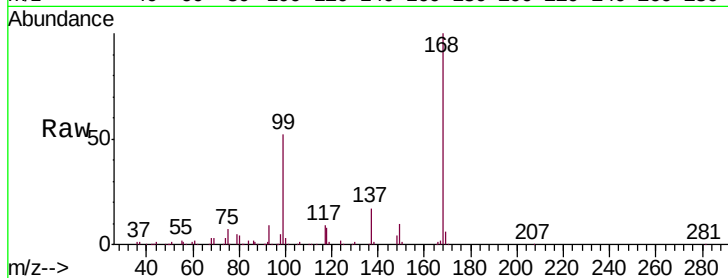
Z1-TB7-200610

Tgt Ion:168 Resp: 208860

Ion Ratio Lower Upper

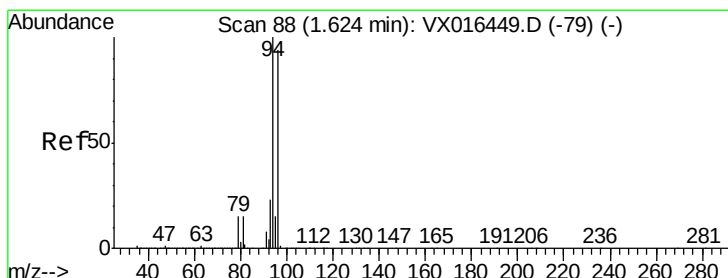
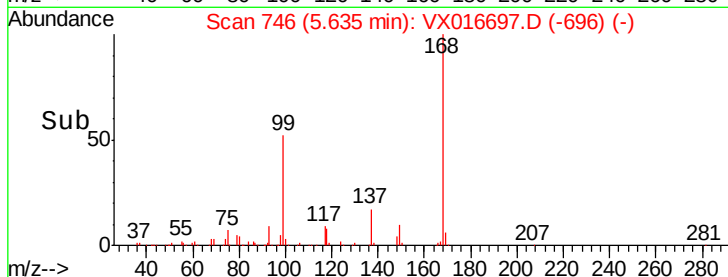
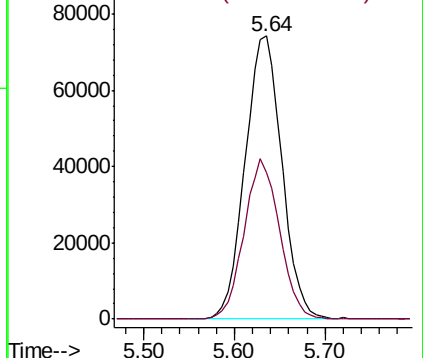
168 100

99 51.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016697.D

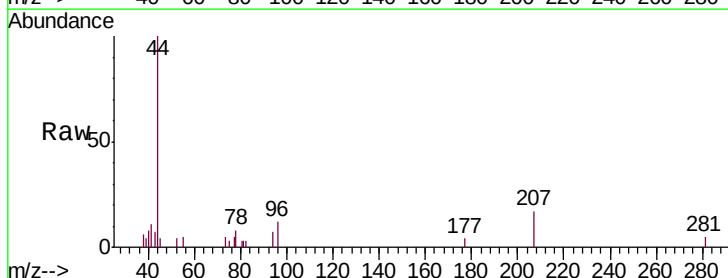
Acq: 11 Jun 2020 12:33

Tgt Ion: 94 Resp: 321

Ion Ratio Lower Upper

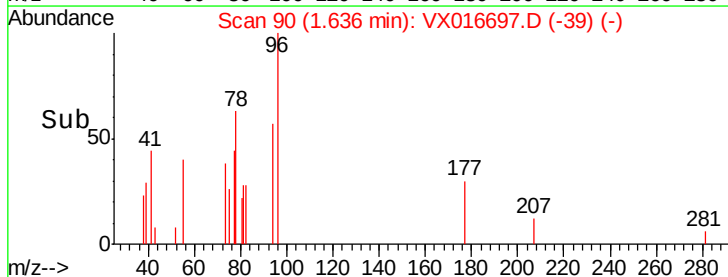
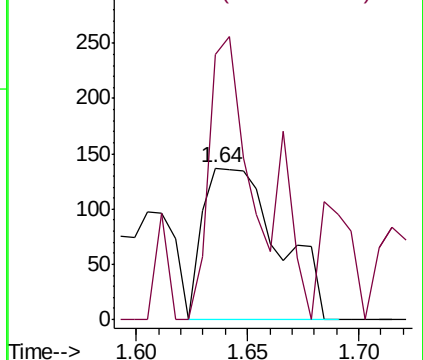
94 100

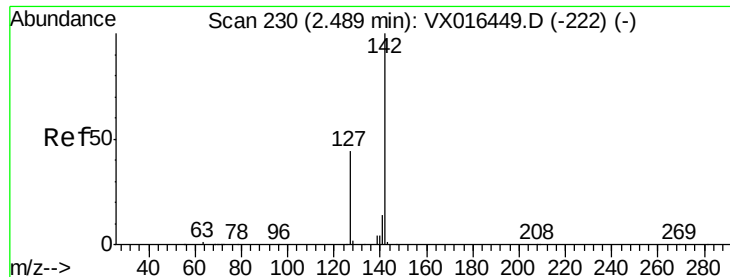
96 175.2 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 3.171 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB7-200610

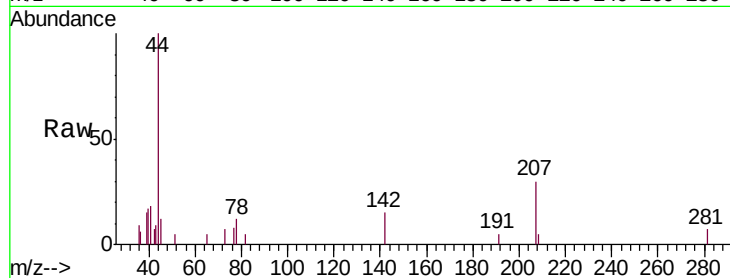
Tgt Ion:142 Resp: 280

Ion Ratio Lower Upper

142 100

127 7.9 35.3 52.9#

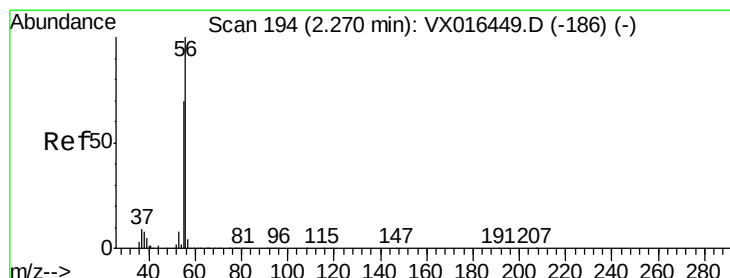
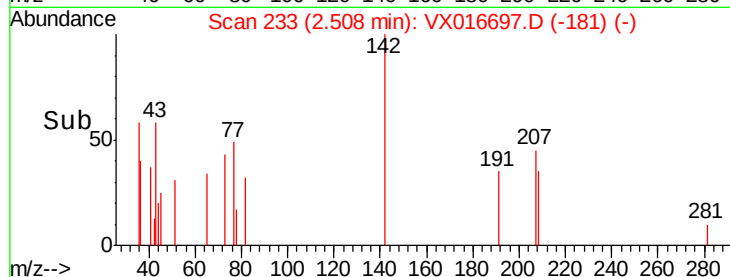
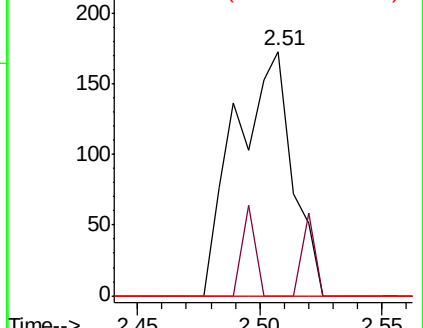
141 0.0 11.4 17.2#



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



#13

Acrolein

Concen: 1.219 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016697.D

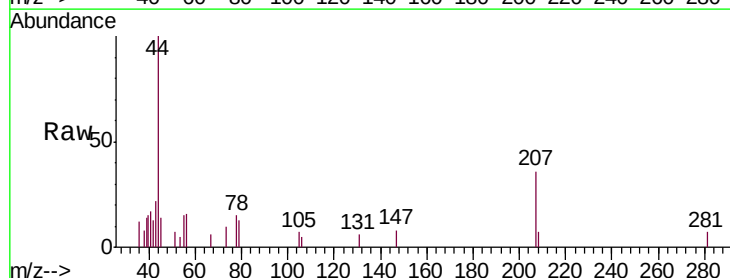
Acq: 11 Jun 2020 12:33

Tgt Ion: 56 Resp: 345

Ion Ratio Lower Upper

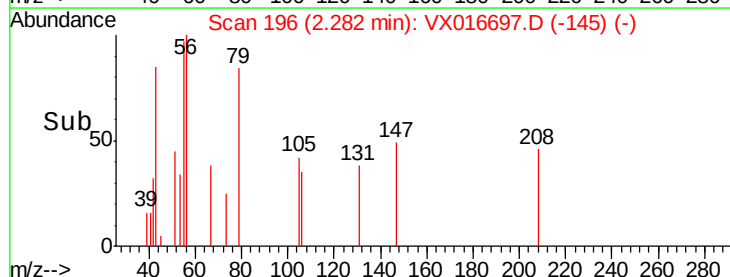
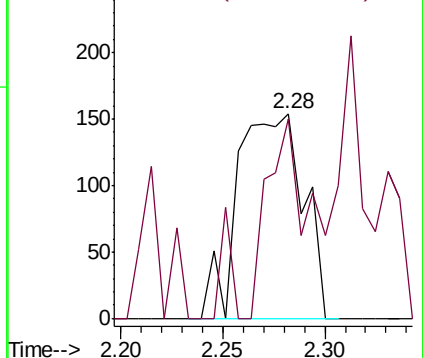
56 100

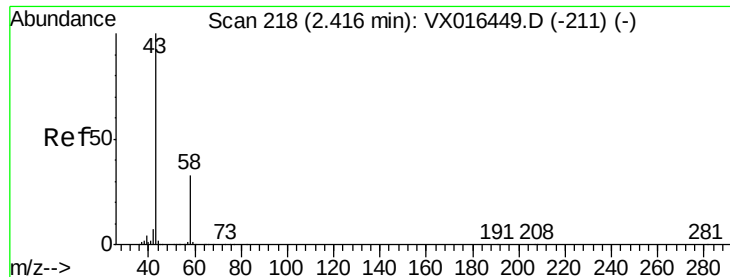
55 61.7 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.546 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

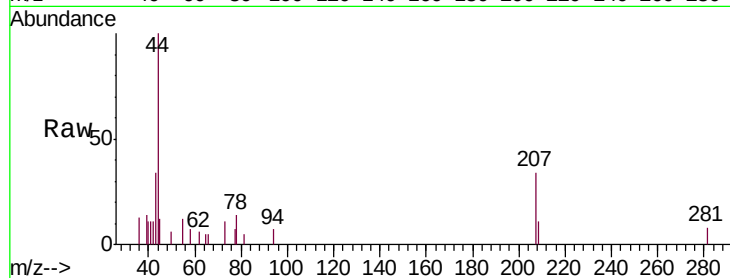
Z1-TB7-200610

Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 25.9 26.1 39.1#

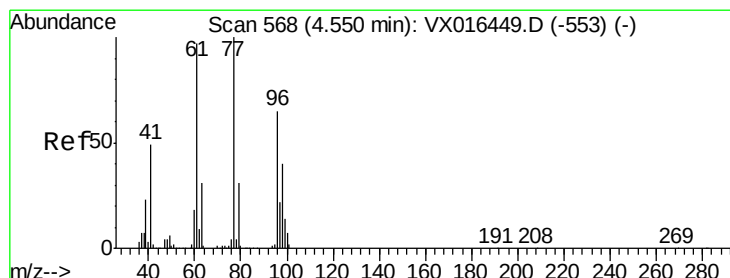
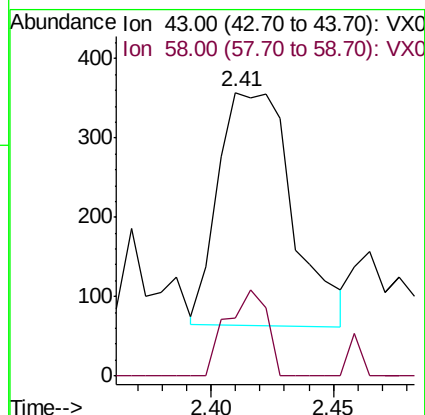
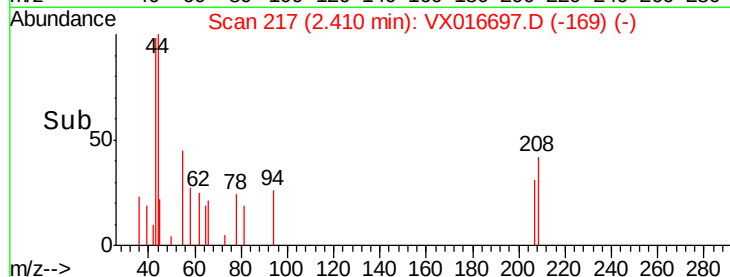


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.41

2.45



#26

2,2-Dichloropropane

Concen: 0.234 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.11 min

Lab File: VX016697.D

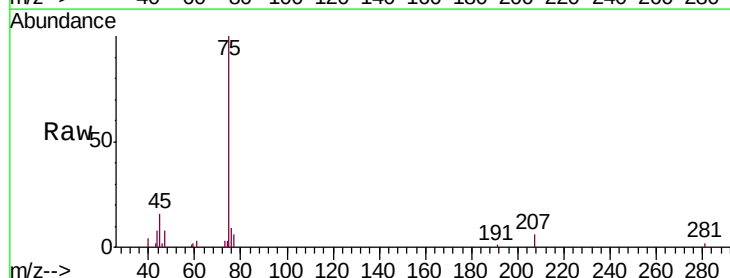
Acq: 11 Jun 2020 12:33

Tgt Ion: 77 Resp: 766

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#

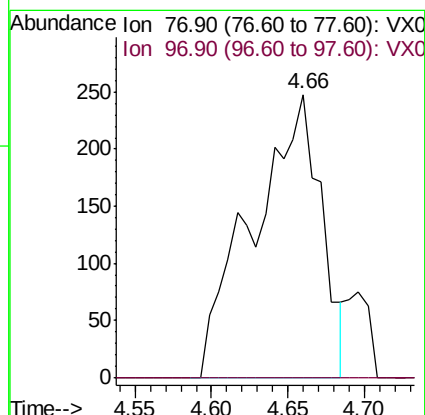
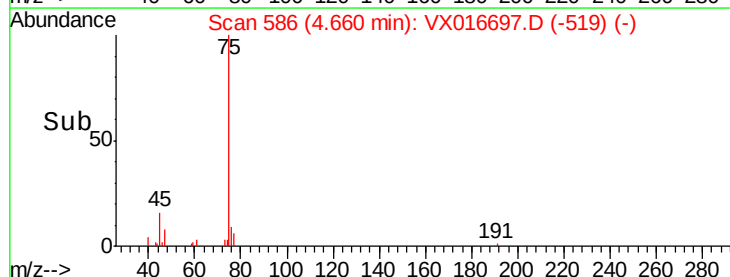


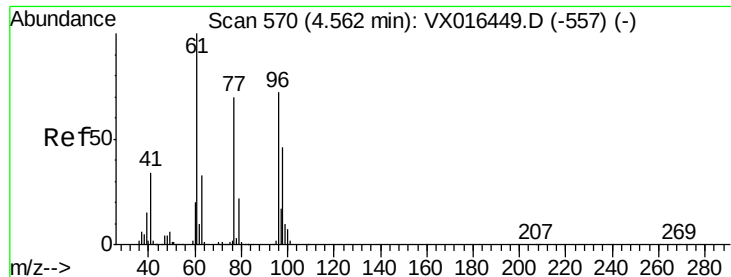
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.66

4.70





#27

cis-1,2-Dichloroethene

Concen: 0.251 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB7-200610

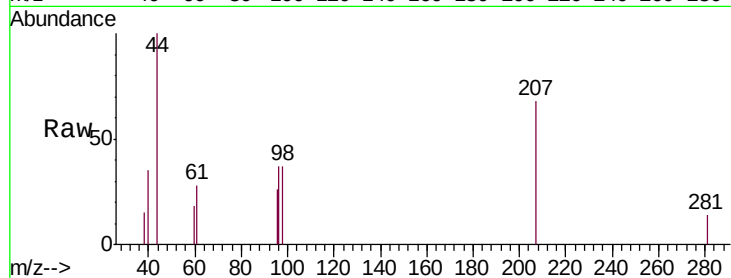
Tgt Ion: 96 Resp: 646

Ion Ratio Lower Upper

96 100

61 85.9 0.0 284.6

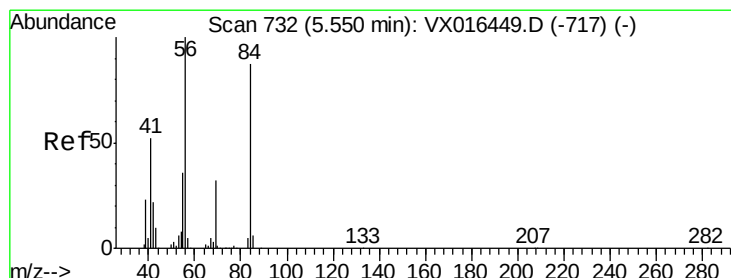
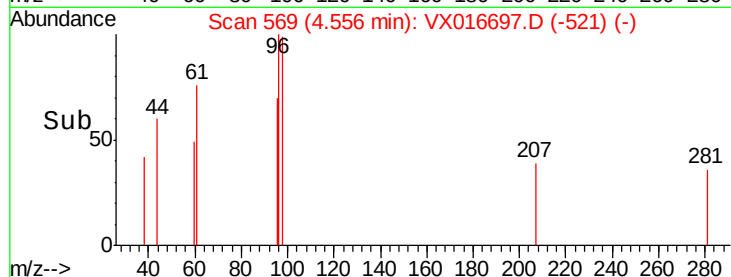
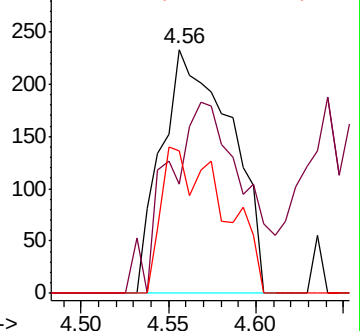
98 53.9 0.0 127.2



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: 1.028 ug/l

RT: 5.64 min Scan# 747

Delta R.T. 0.09 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

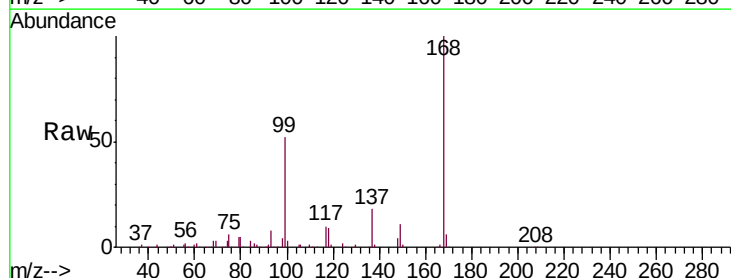
Tgt Ion: 56 Resp: 3706

Ion Ratio Lower Upper

56 100

69 166.5 25.7 38.5#

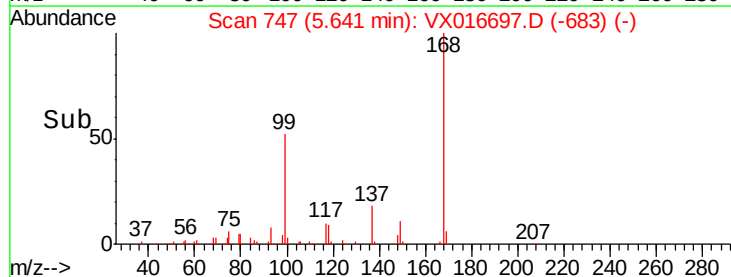
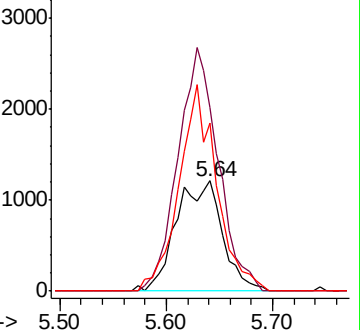
84 152.7 70.0 105.0#

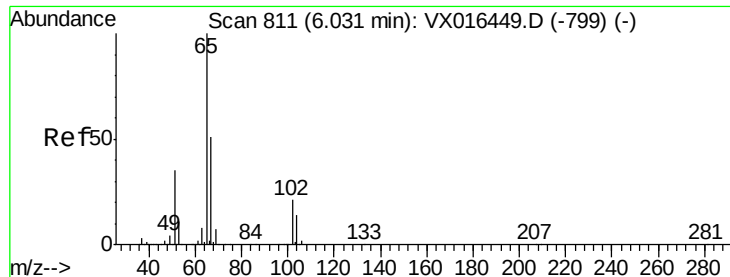


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

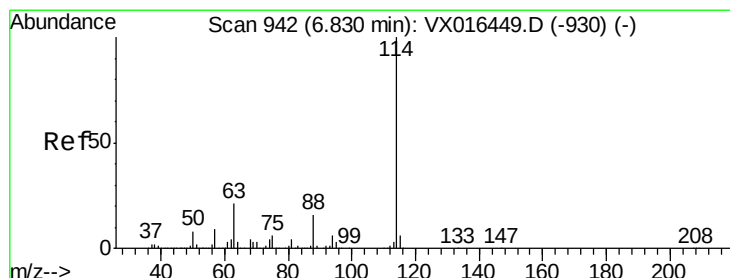
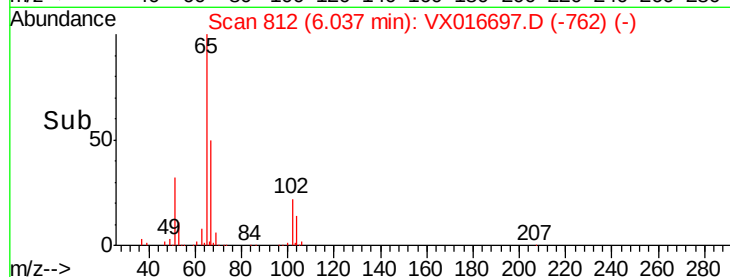
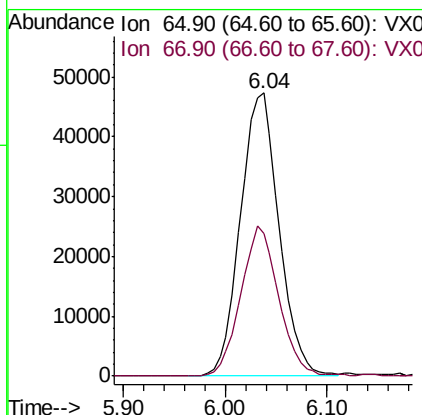
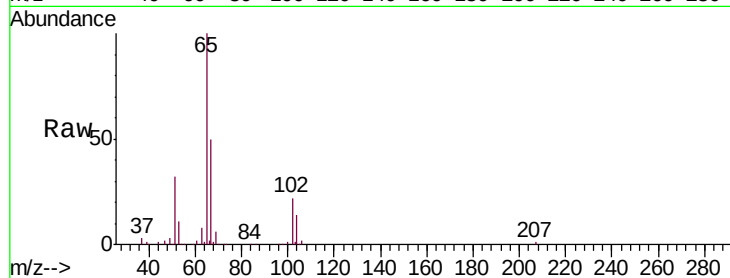




#33
 1,2-Dichloroethane-d4
 Concen: 48.080 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016697.D
 Acq: 11 Jun 2020 12:33

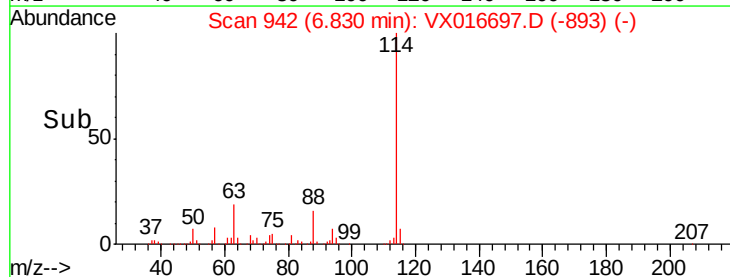
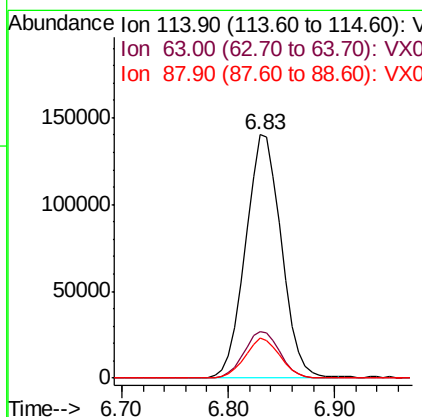
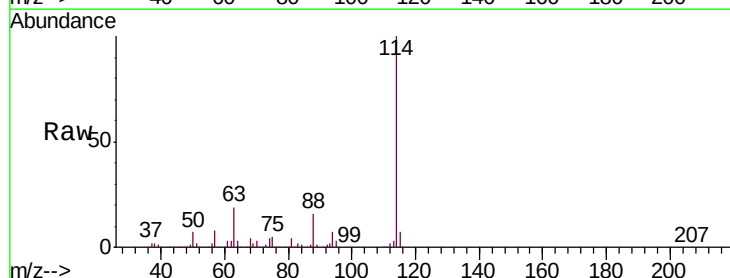
Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-TB7-200610

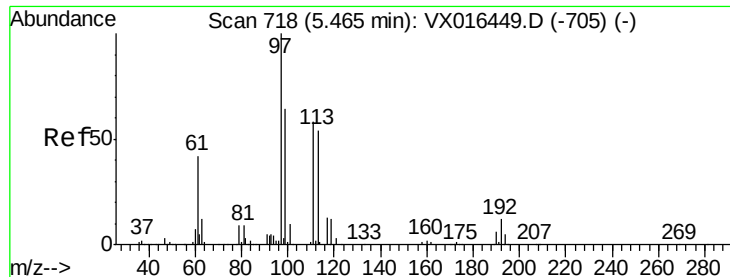
Tgt Ion: 65 Resp: 124708
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016697.D
 Acq: 11 Jun 2020 12:33

Tgt Ion: 114 Resp: 331026
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.6
 88 16.4 0.0 32.8

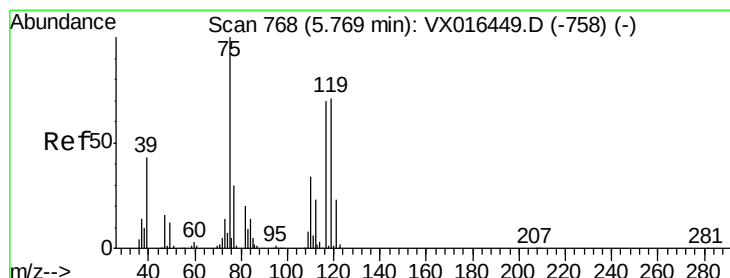
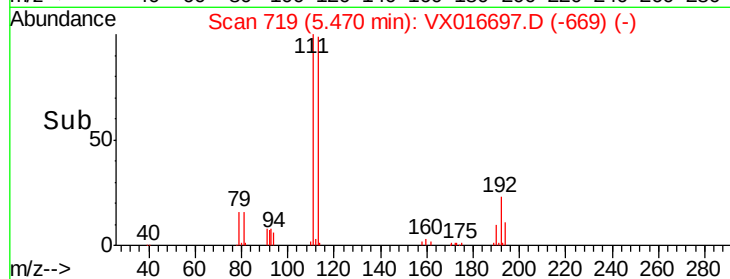
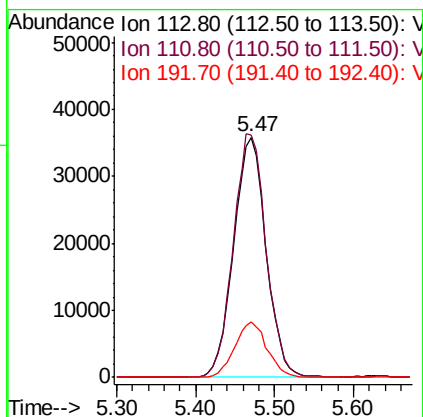
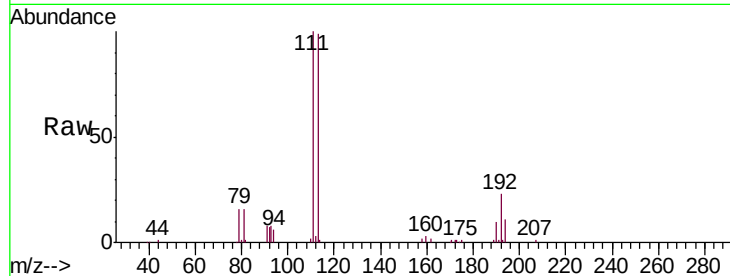




#35
 Dibromofluoromethane
 Concen: 50.144 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016697.D
 Acq: 11 Jun 2020 12:33

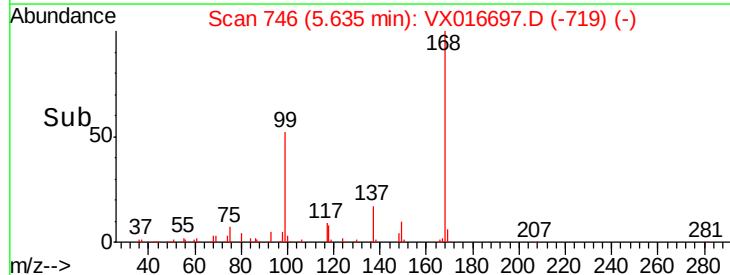
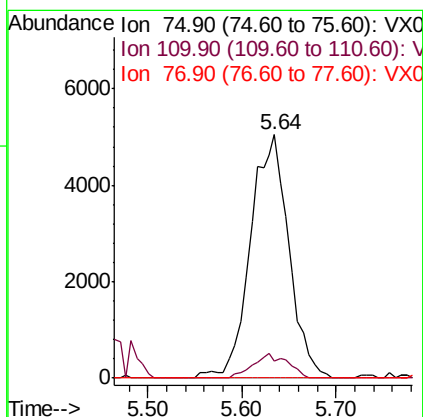
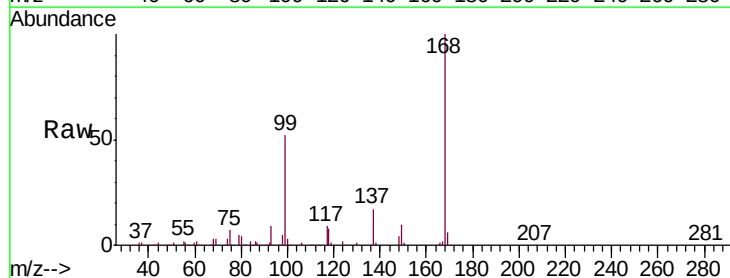
Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-TB7-200610

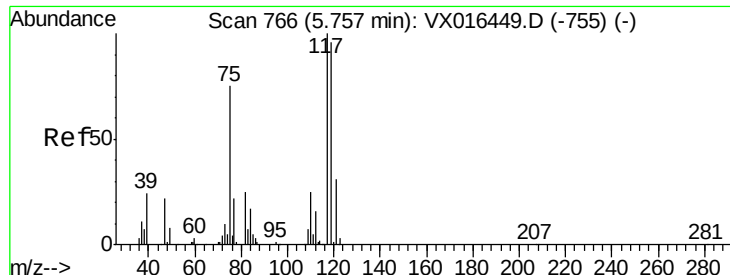
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	22.9	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.590 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016697.D
 Acq: 11 Jun 2020 12:33

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





#38

Carbon Tetrachloride

Concen: 6.013 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB7-200610

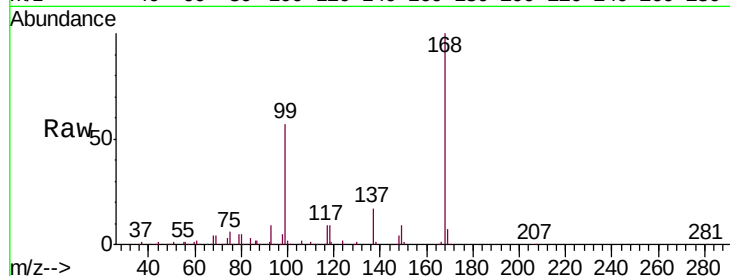
Tgt Ion: 117 Resp: 19806

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

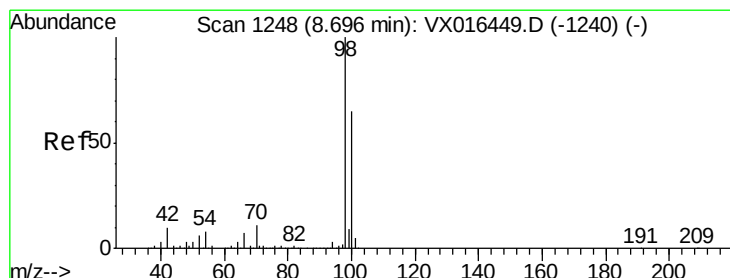
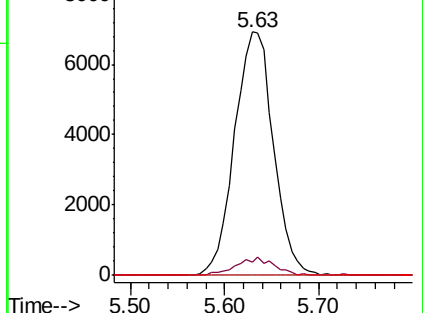
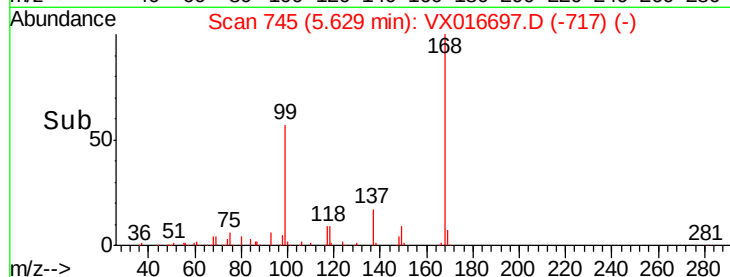
121 0.0 24.6 37.0#



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: 51.735 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016697.D

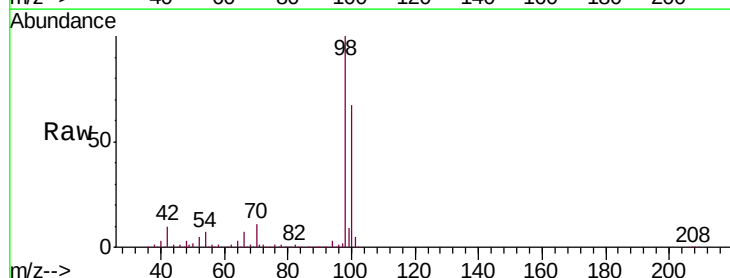
Acq: 11 Jun 2020 12:33

Tgt Ion: 98 Resp: 410432

Ion Ratio Lower Upper

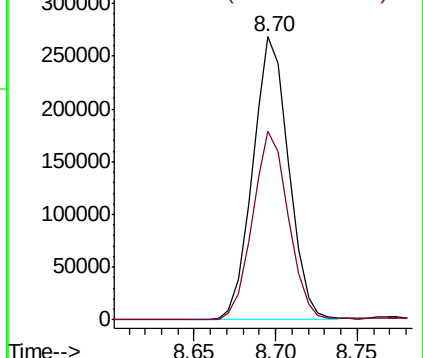
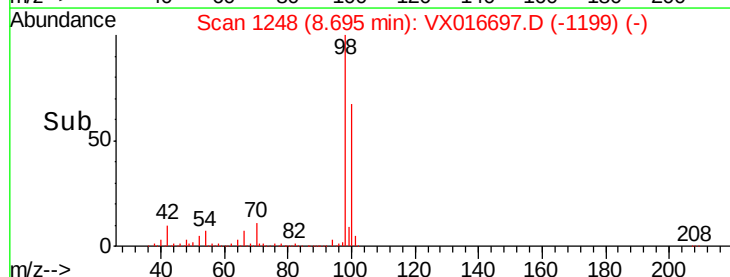
98 100

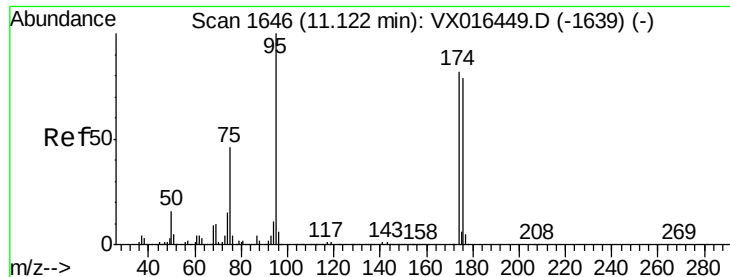
100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.361 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB7-200610

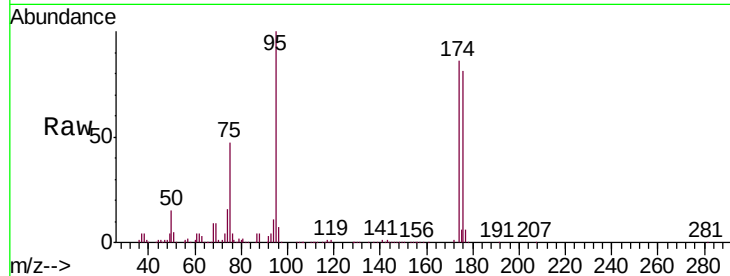
Tgt Ion: 95 Resp: 163576

Ion Ratio Lower Upper

95 100

174 86.7 0.0 163.0

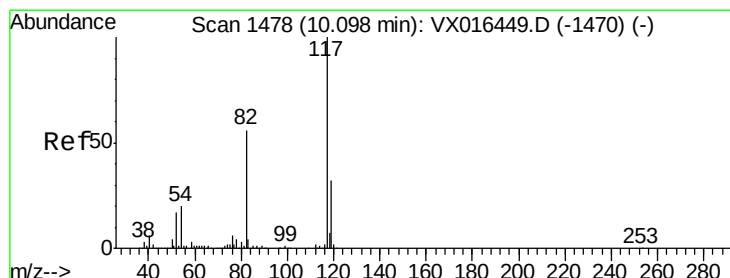
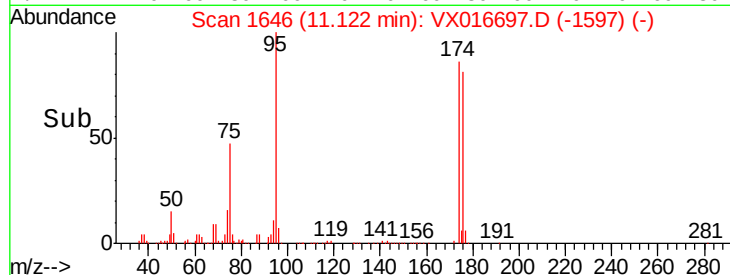
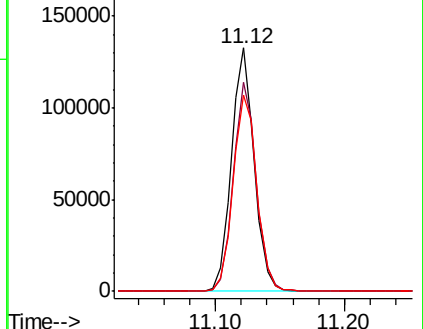
176 84.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016697.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016697.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016697.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

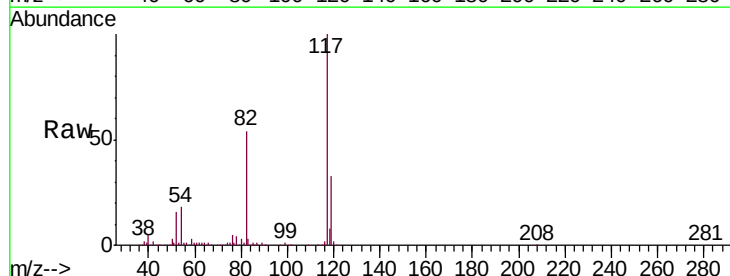
Tgt Ion: 117 Resp: 340720

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.6

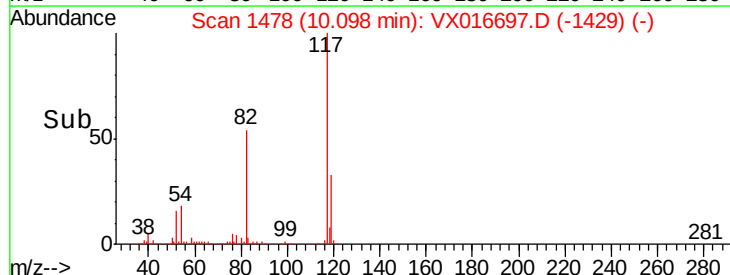
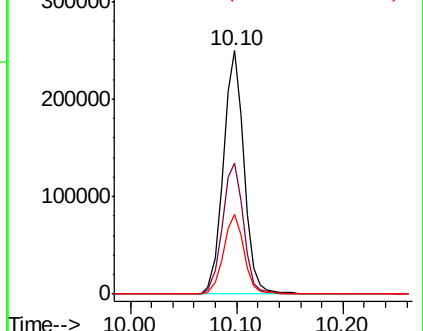
119 32.7 25.8 38.8

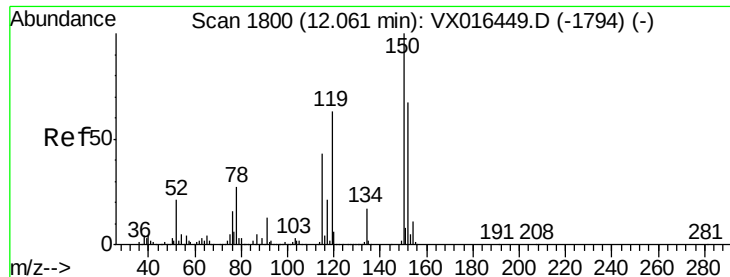


Abundance Ion 116.90 (116.60 to 117.60): VX016697.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016697.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016697.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: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB7-200610

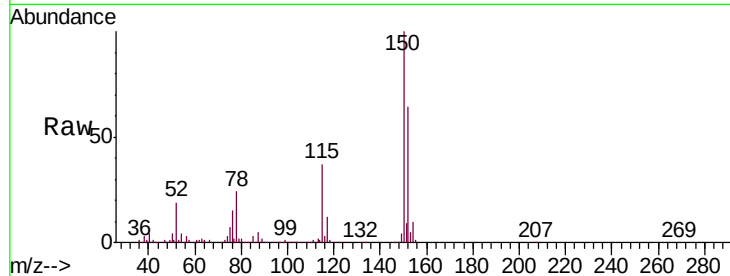
Tgt Ion:152 Resp: 168944

Ion Ratio Lower Upper

152 100

115 57.7 39.9 119.6

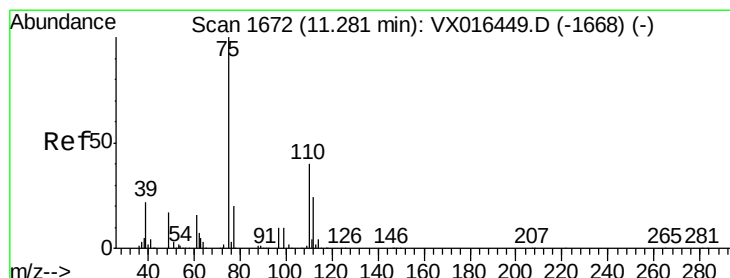
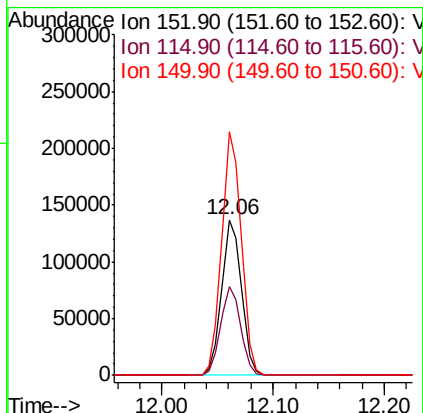
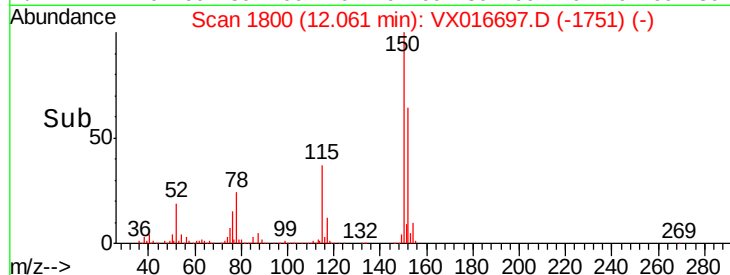
150 156.0 0.0 341.0



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: 21.403 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016697.D

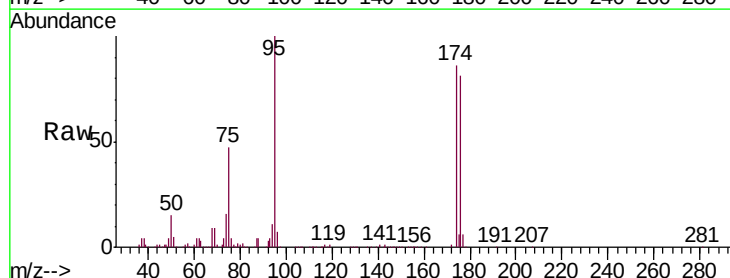
Acq: 11 Jun 2020 12:33

Tgt Ion: 75 Resp: 79480

Ion Ratio Lower Upper

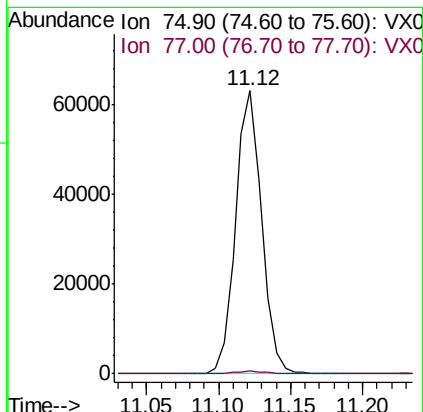
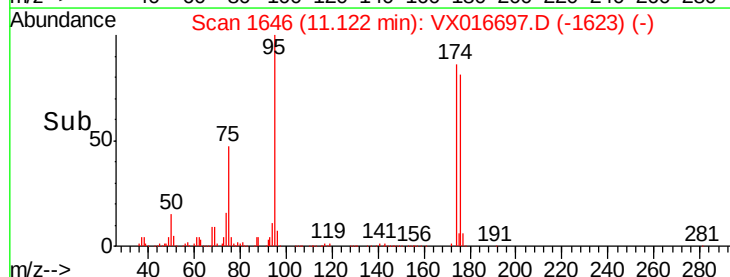
75 100

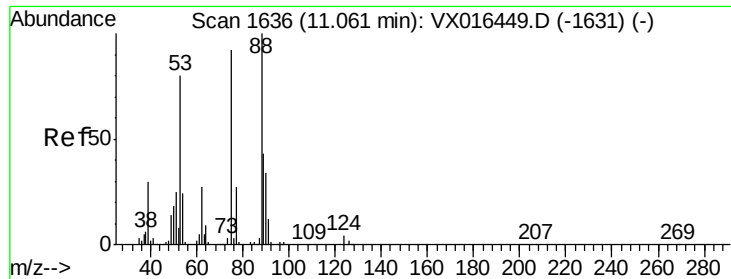
77 1.2 21.3 63.7#



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: 52.648 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016697.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB7-200610

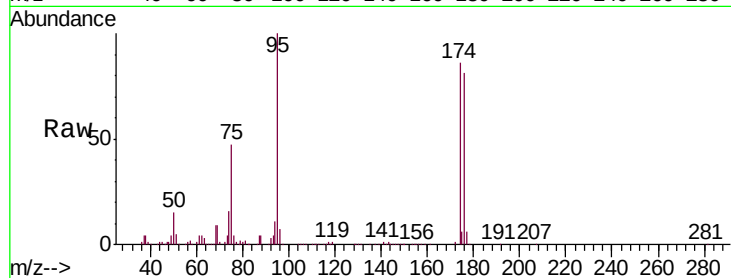
Tgt Ion: 75 Resp: 79480

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

