

Data File : VX016699.D
Acq On : 11 Jun 2020 13:18
Operator : JC/SP
Sample : L2978-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF014RW041-200610

Quant Time: Jun 12 06:55:00 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	207458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	330564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	339330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	172242	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	124698	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	5.47	113	101954	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	8.70	98	407918	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	163085	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

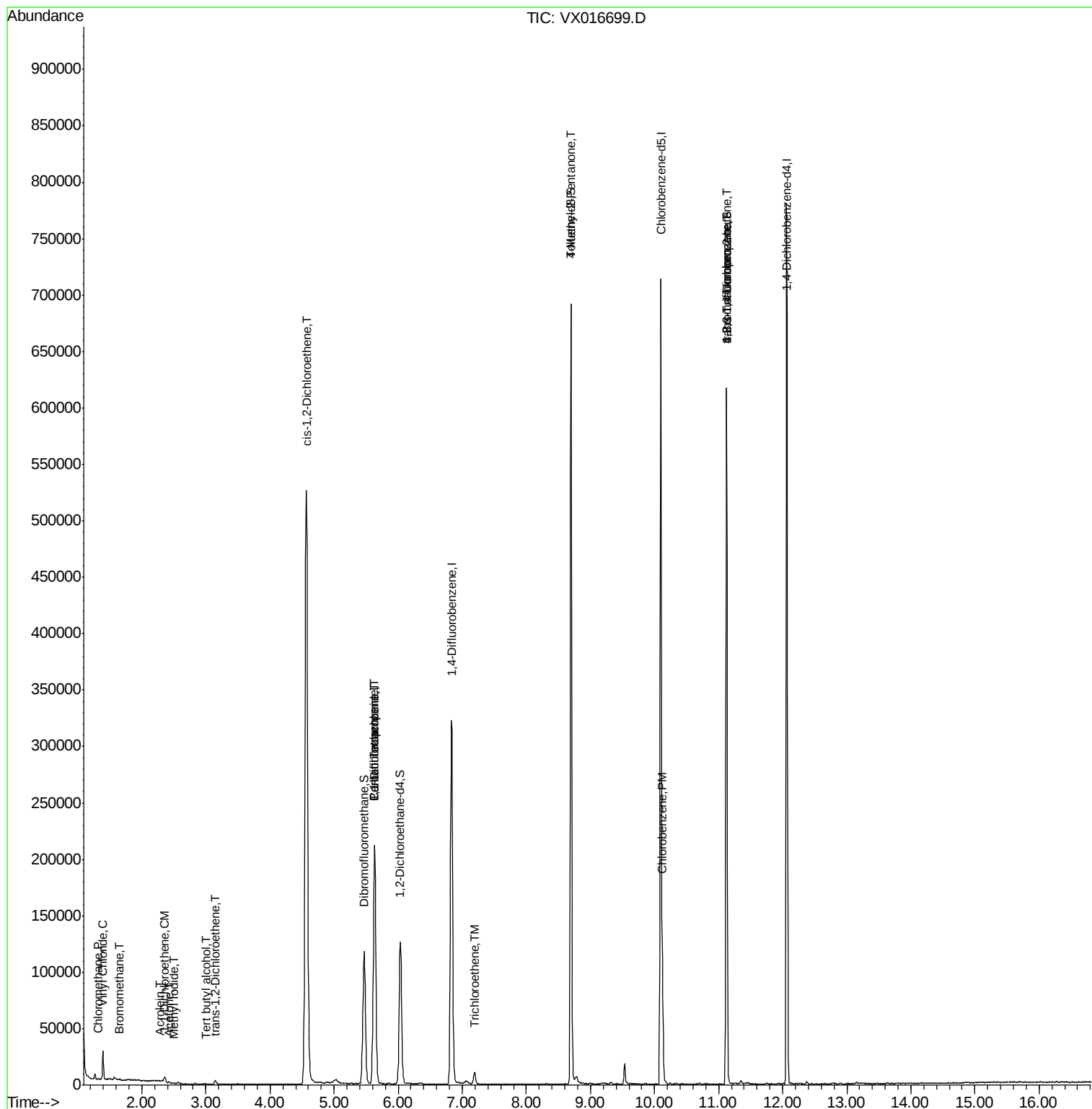
Target Compounds			Qvalue			
3) Chloromethane	1.31	50	721	0.292	ug/l #	64
4) Vinyl Chloride	1.39	62	14611	5.600	ug/l	99
5) Bromomethane	1.64	94	380	0.300	ug/l #	78
10) Methyl Iodide	2.50	142	112	3.102	ug/l #	40
11) Tert butyl alcohol	3.00	59	230	0.348	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1555	0.779	ug/l #	68
13) Acrolein	2.28	56	335	1.192	ug/l #	82
16) Acetone	2.42	43	1489	1.319	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	1535	0.695	ug/l #	75
27) cis-1,2-Dichloroethene	4.57	96	358778	140.456	ug/l	87
36) 1,1-Dichloropropene	5.63	75	14648	4.680	ug/l #	52
38) Carbon Tetrachloride	5.63	117	20061	6.099	ug/l #	16
44) Trichloroethene	7.19	130	4214	1.425	ug/l	74
51) 4-Methyl-2-Pentanone	8.70	43	1759	0.482	ug/l #	1
65) Chlorobenzene	10.12	112	41778	6.039	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	78637	20.771	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	78637	51.093	ug/l #	14

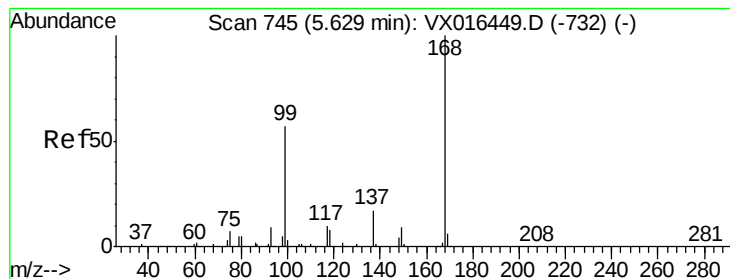
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

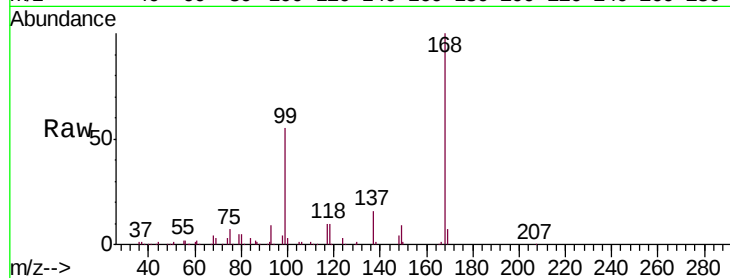
LF014RW041-200610

Tgt Ion:168 Resp: 207458

Ion Ratio Lower Upper

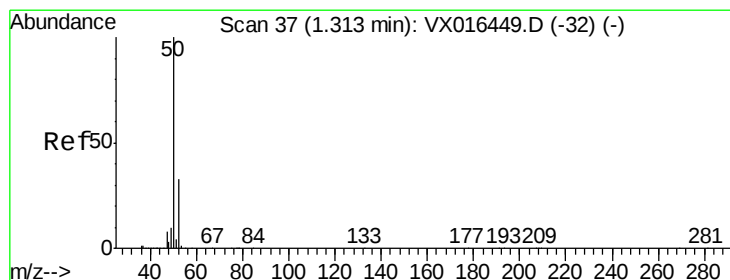
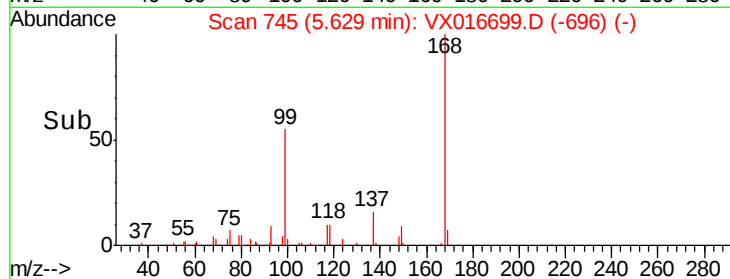
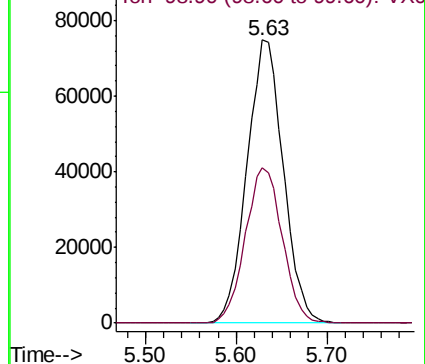
168 100

99 55.0 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: 0.292 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016699.D

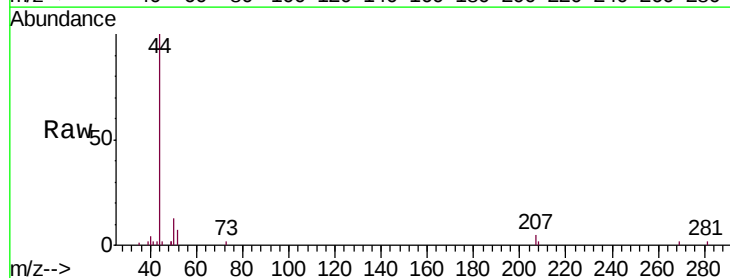
Acq: 11 Jun 2020 13:18

Tgt Ion: 50 Resp: 721

Ion Ratio Lower Upper

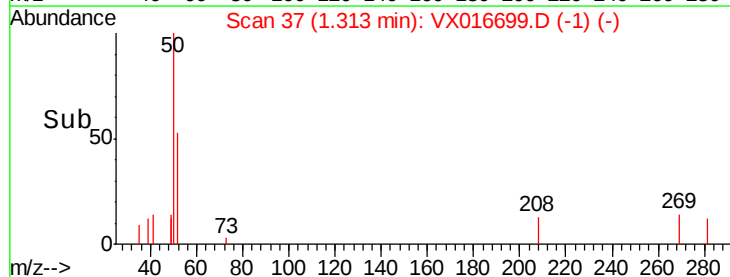
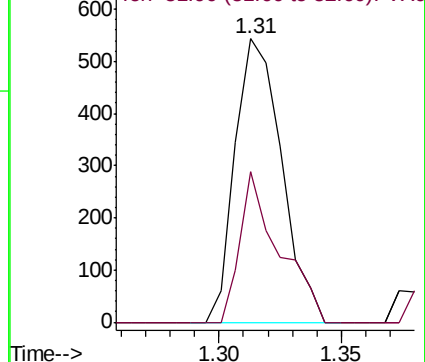
50 100

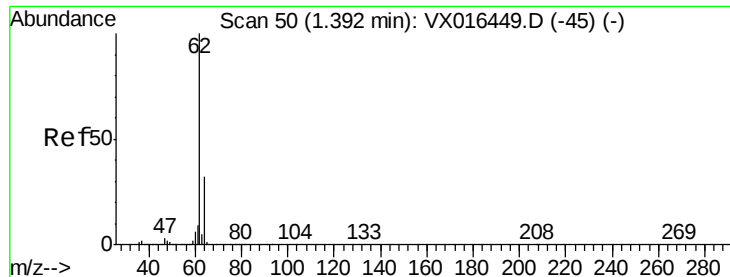
52 53.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 5.600 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

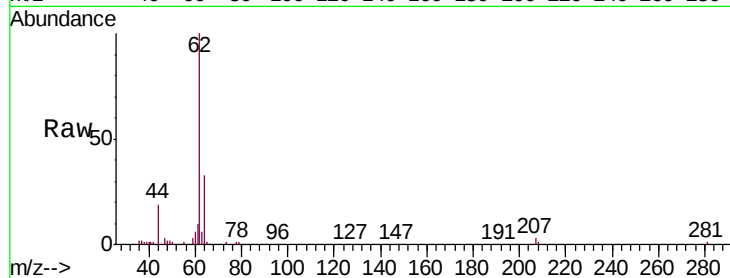
LF014RW041-200610

Tgt Ion: 62 Resp: 14611

Ion Ratio Lower Upper

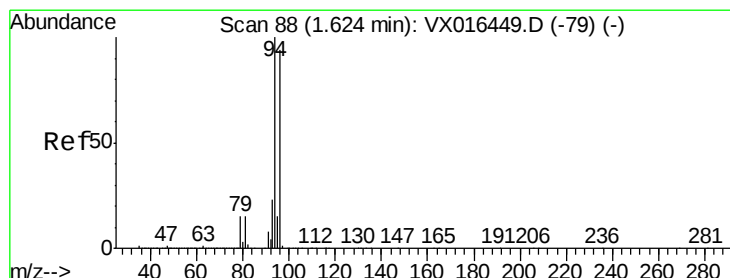
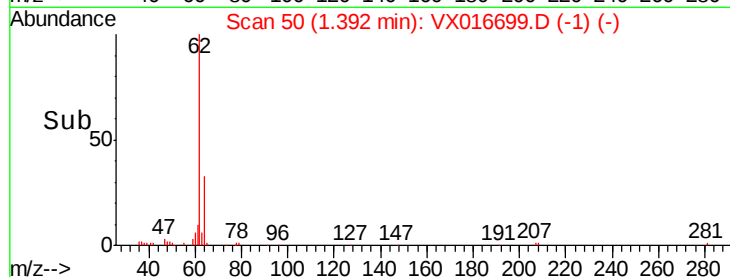
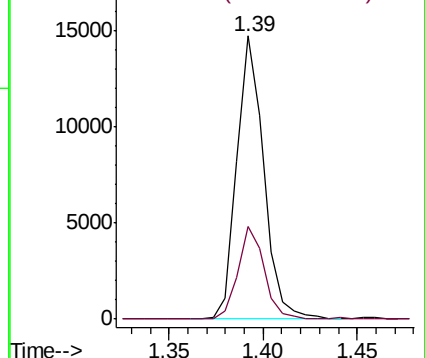
62 100

64 32.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016699.D

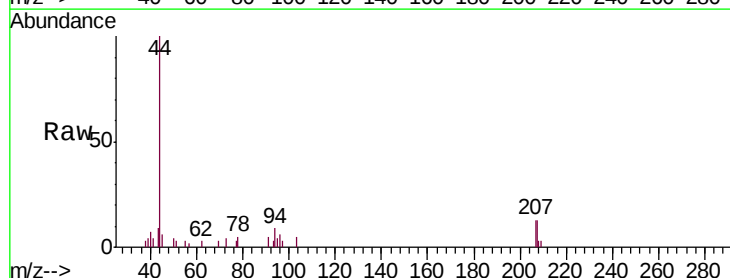
Acq: 11 Jun 2020 13:18

Tgt Ion: 94 Resp: 380

Ion Ratio Lower Upper

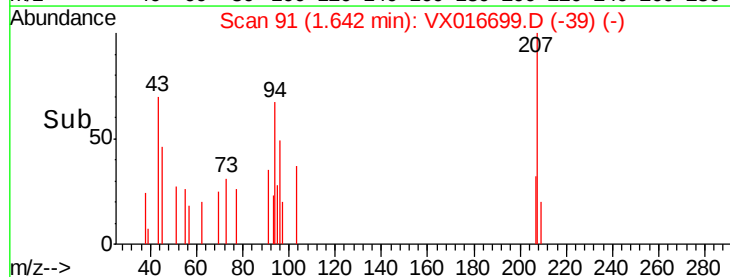
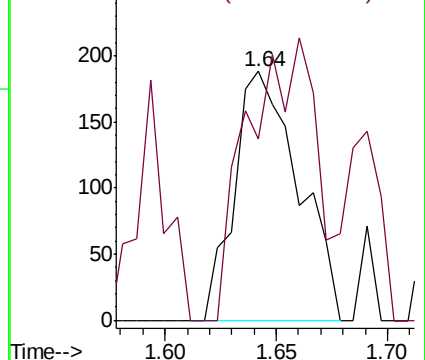
94 100

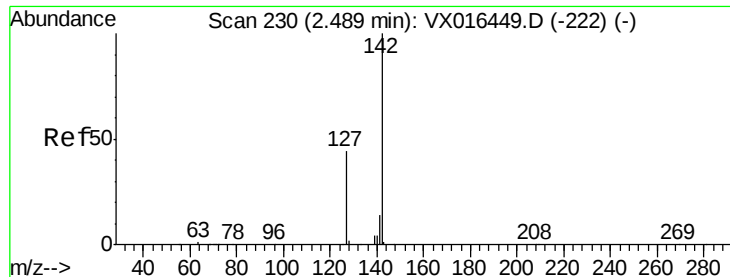
96 72.9 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

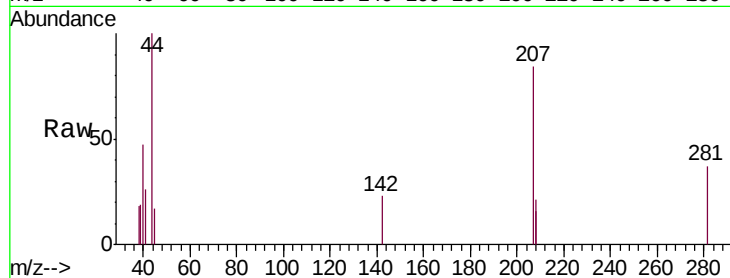




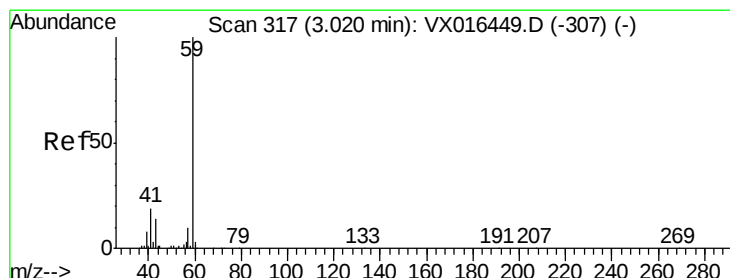
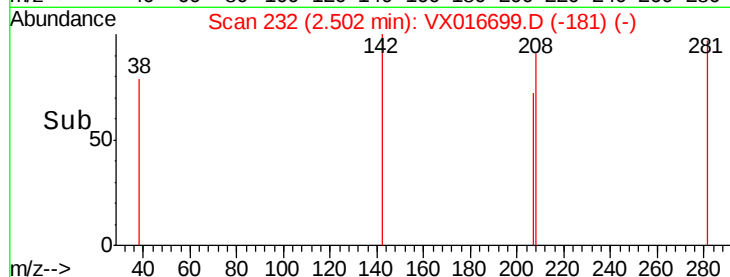
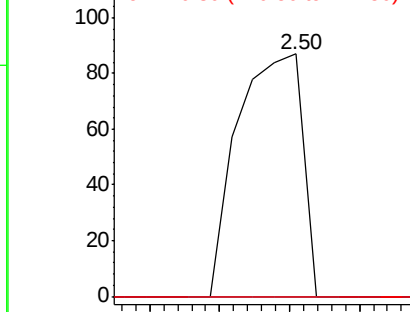
#10
Methyl Iodide
Concen: 3.102 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016699.D
Acq: 11 Jun 2020 13:18

Instrument :
MSVOA_X
ClientSampleId :
LF014RW041-200610

Tgt Ion: 142 Resp: 112
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

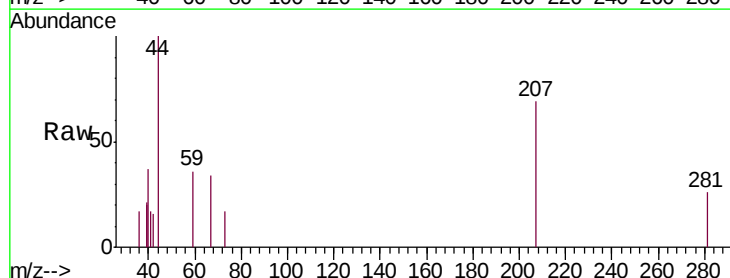


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

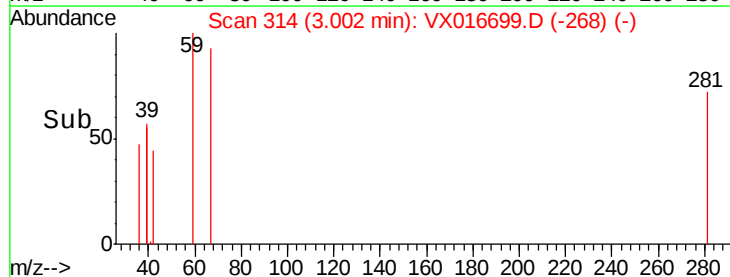
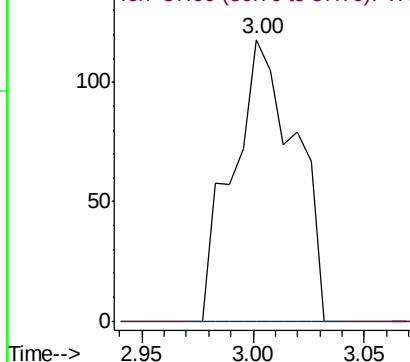


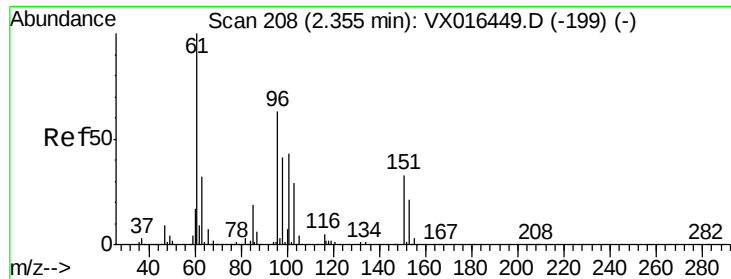
#11
Tert butyl alcohol
Concen: 0.348 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016699.D
Acq: 11 Jun 2020 13:18

Tgt Ion: 59 Resp: 230
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

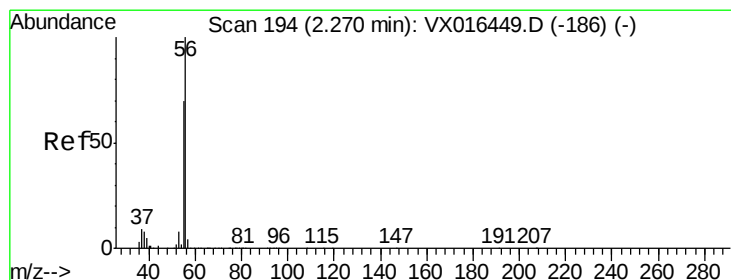
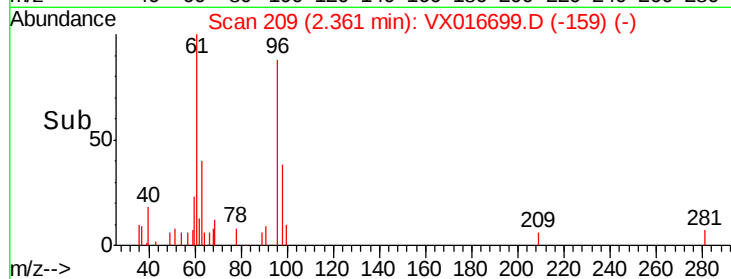
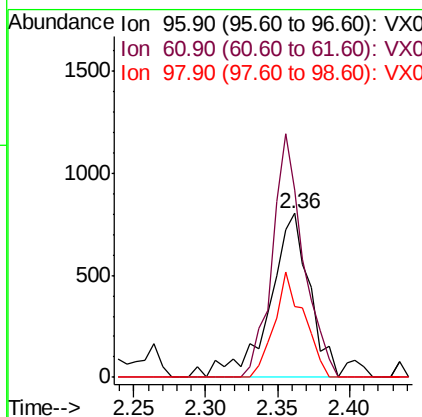
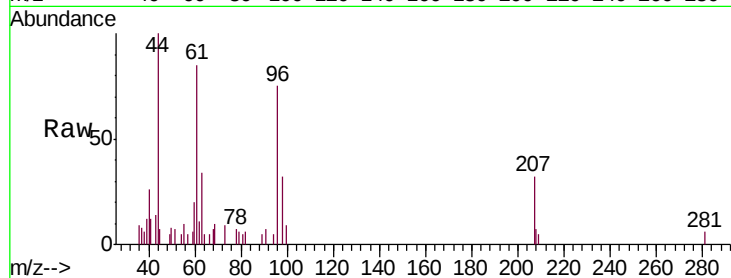




#12
 1,1-Dichloroethene
 Concen: 0.779 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

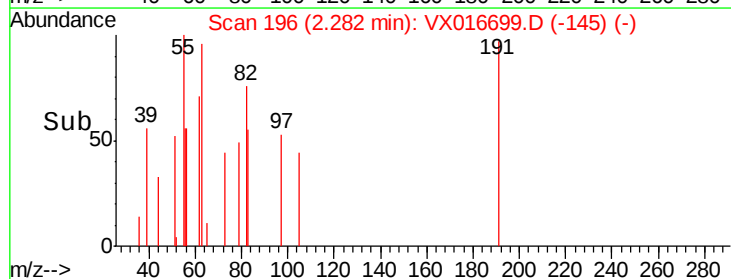
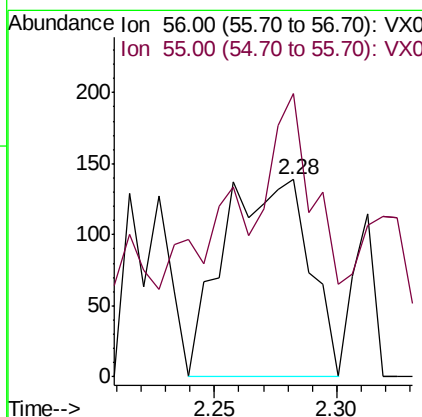
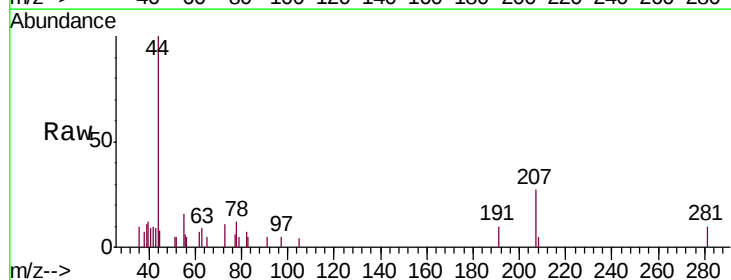
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW041-200610

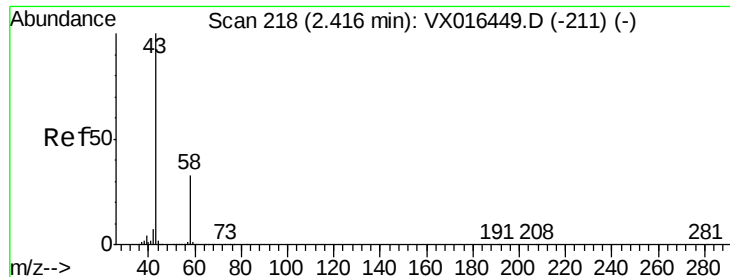
Tgt Ion: 96 Resp: 1555
 Ion Ratio Lower Upper
 96 100
 61 114.1 126.6 189.8#
 98 43.3 51.3 76.9#



#13
 Acrolein
 Concen: 1.192 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

Tgt Ion: 56 Resp: 335
 Ion Ratio Lower Upper
 56 100
 55 87.8 58.3 87.5#





#16

Acetone

Concen: 1.319 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

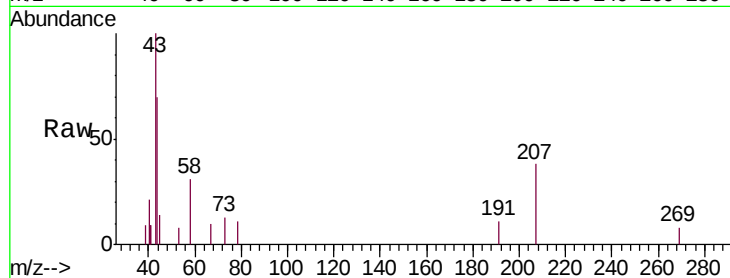
LF014RW041-200610

Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

58 31.5 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

800

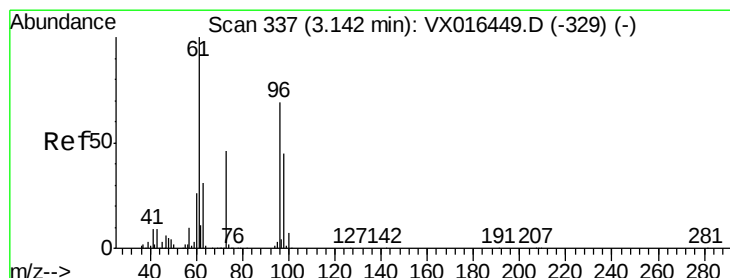
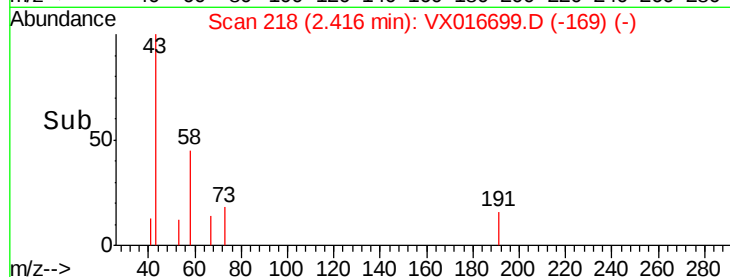
600

400

200

0

Time--> 2.35 2.40 2.45



#21

trans-1,2-Dichloroethene

Concen: 0.695 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

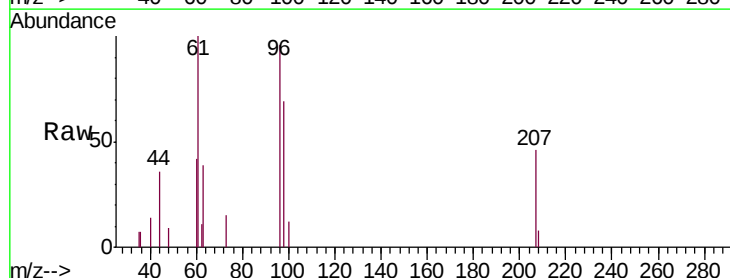
Tgt Ion: 96 Resp: 1535

Ion Ratio Lower Upper

96 100

61 104.6 115.3 172.9#

98 72.4 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

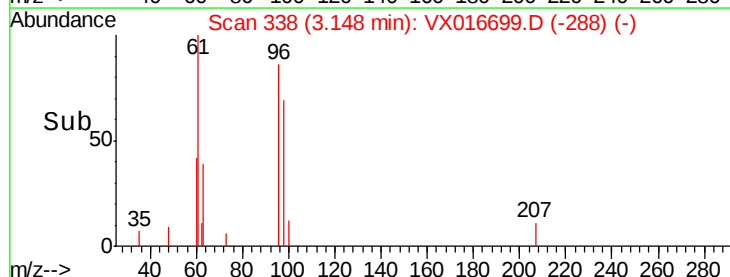
600

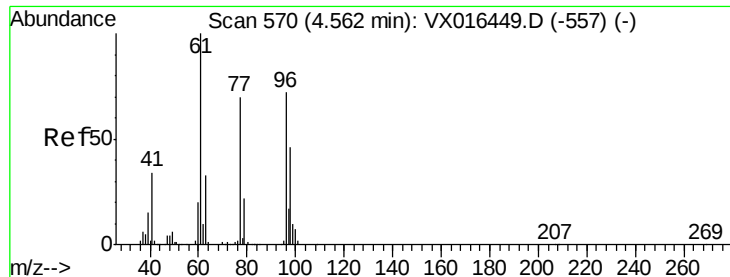
400

200

0

Time--> 3.10 3.15 3.20



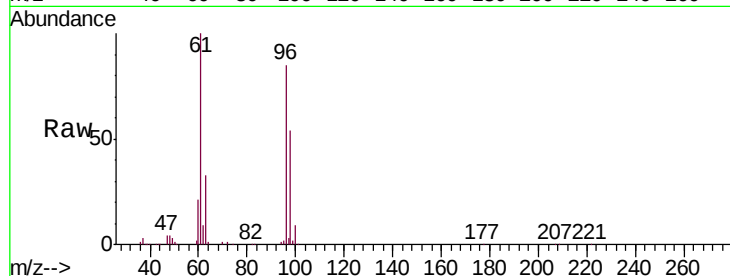


#27

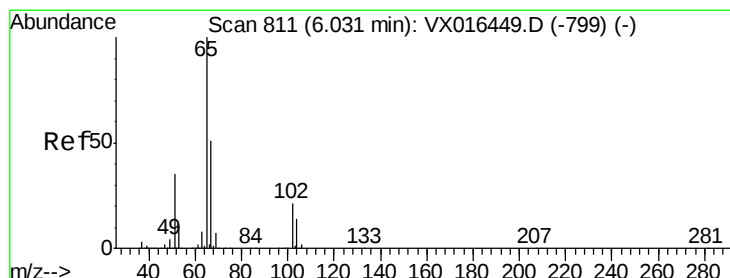
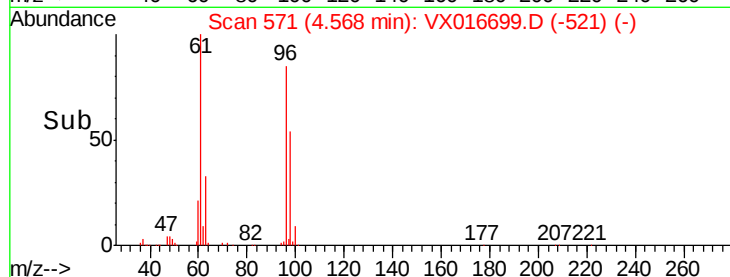
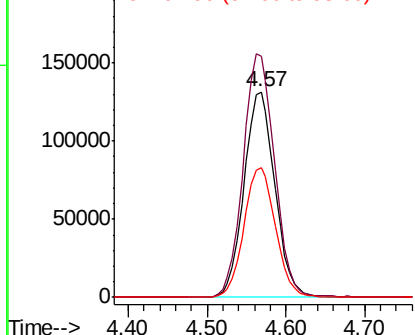
cis-1,2-Dichloroethene
 Concen: 140.456 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW041-200610

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.4	0.0	284.6
98	64.5	0.0	127.2



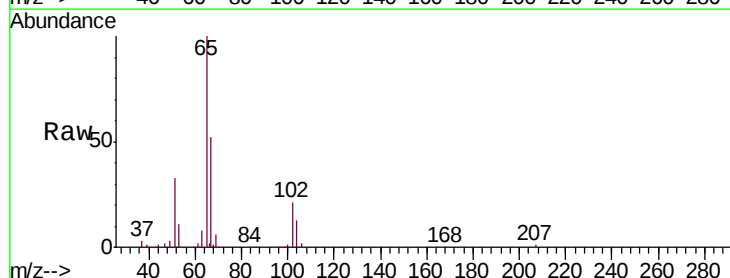
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



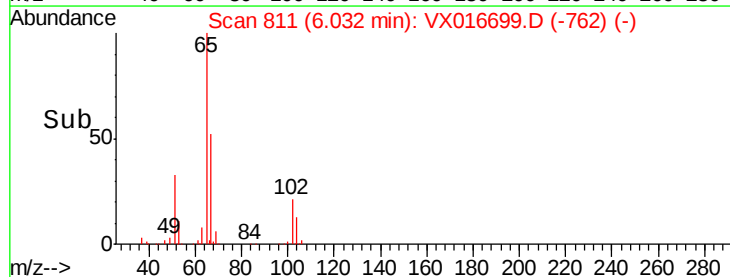
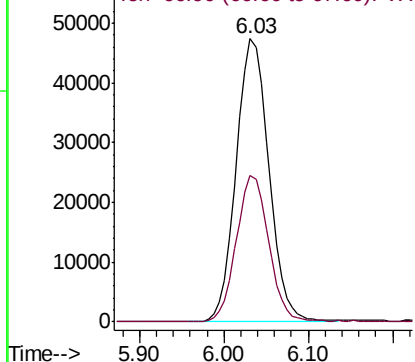
#33

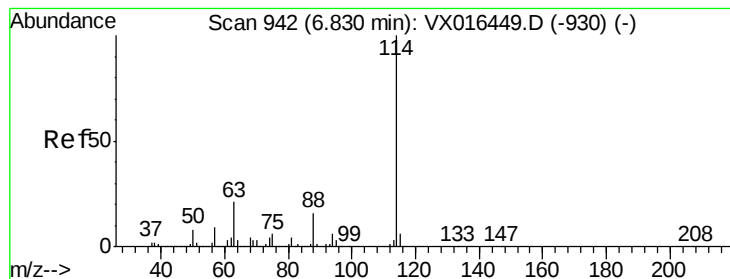
1,2-Dichloroethane-d4
 Concen: 48.401 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.2	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: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

LF014RW041-200610

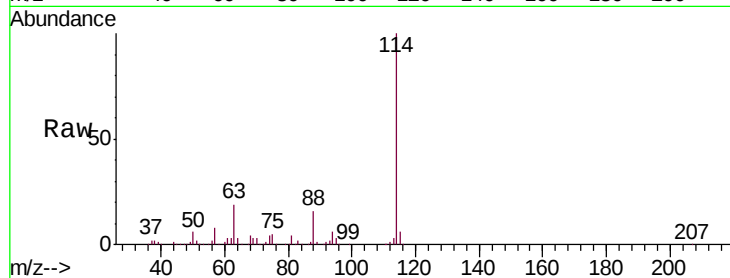
Tgt Ion:114 Resp: 330564

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

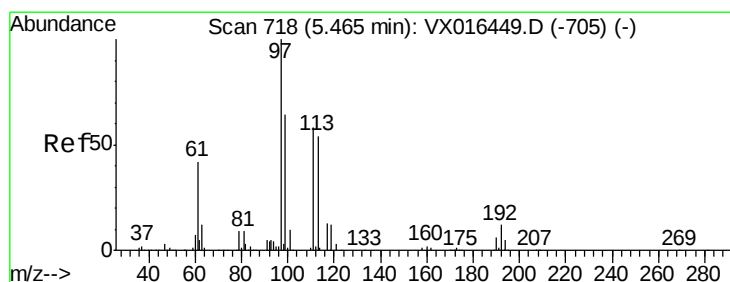
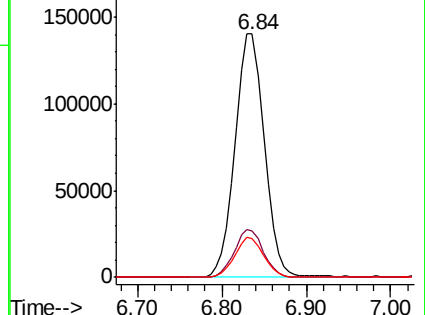
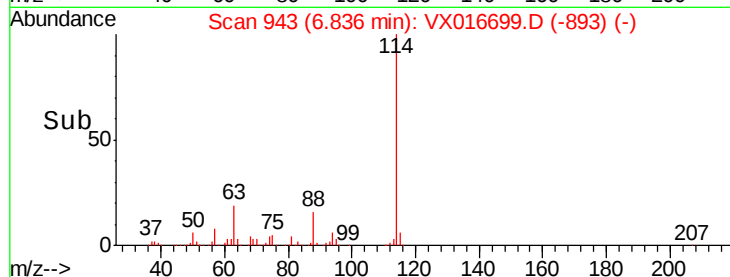
88 15.7 0.0 32.8



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: 50.090 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

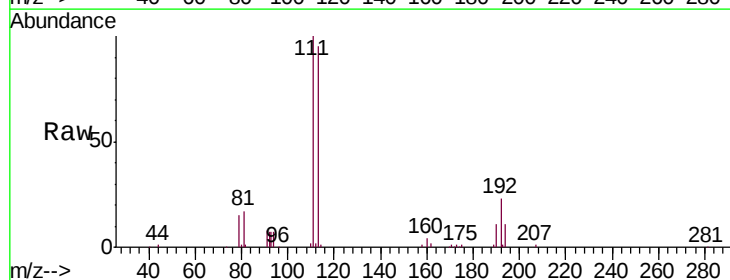
Tgt Ion:113 Resp: 101954

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.6

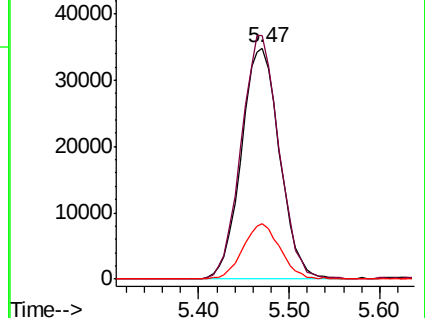
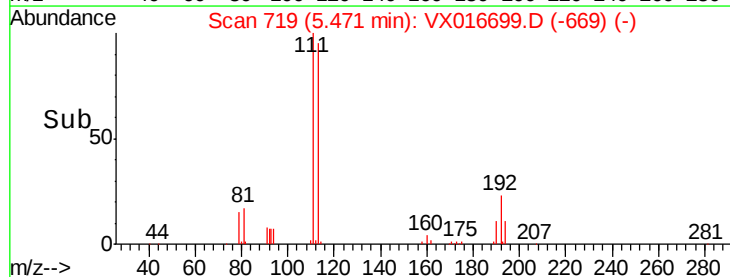
192 23.2 17.7 26.5

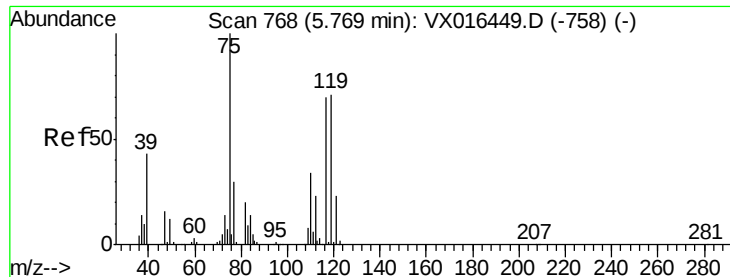


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

LF014RW041-200610

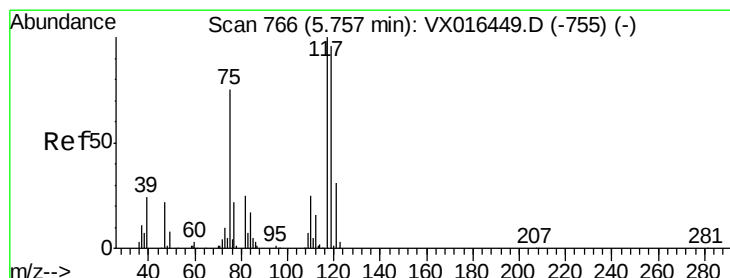
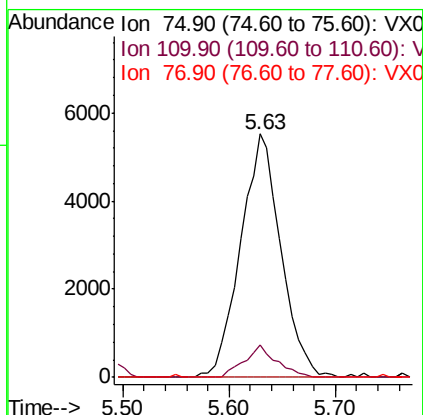
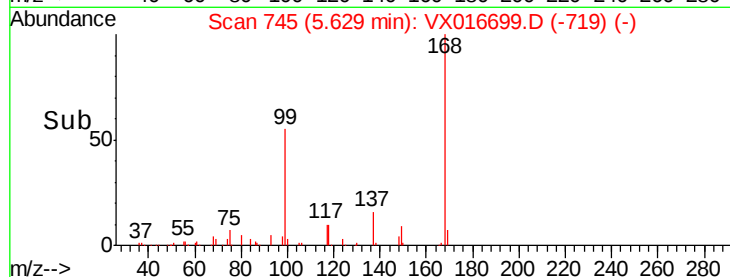
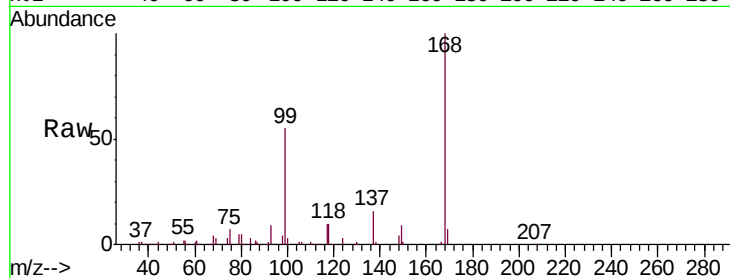
Tgt Ion: 75 Resp: 14648

Ion Ratio Lower Upper

75 100

110 10.5 17.4 52.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.099 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

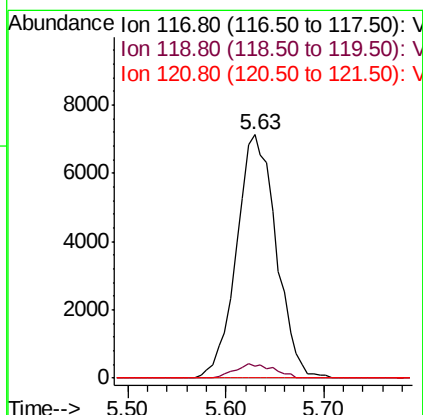
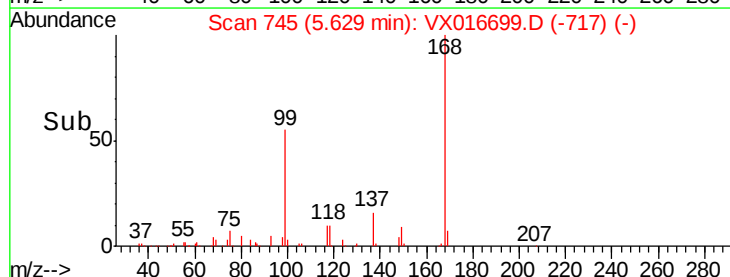
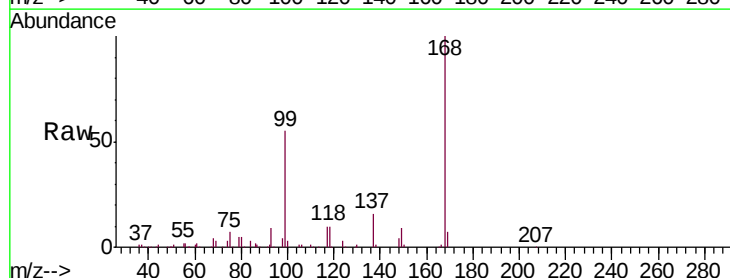
Tgt Ion: 117 Resp: 20061

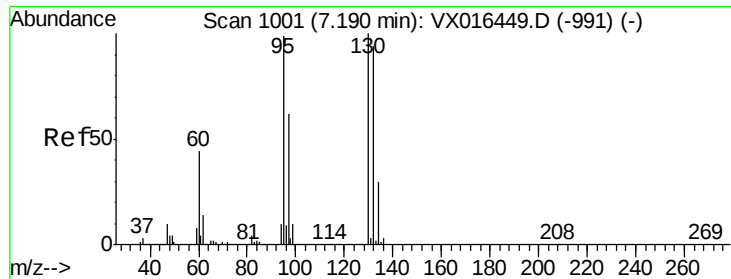
Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

121 0.0 24.6 37.0#

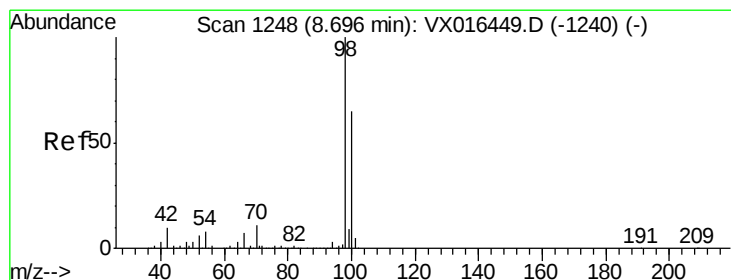
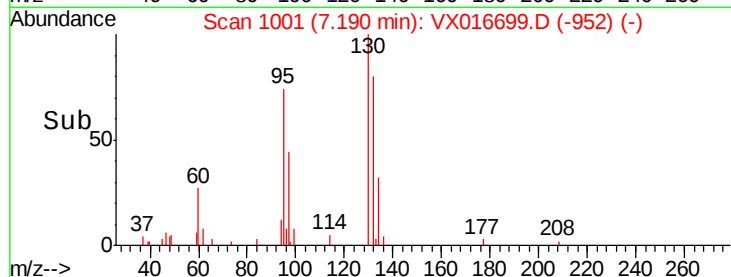
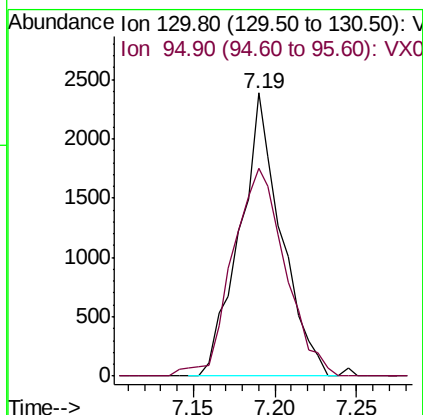
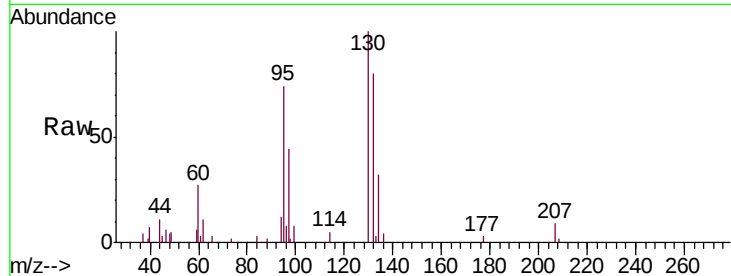




#44
 Trichloroethene
 Concen: 1.425 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

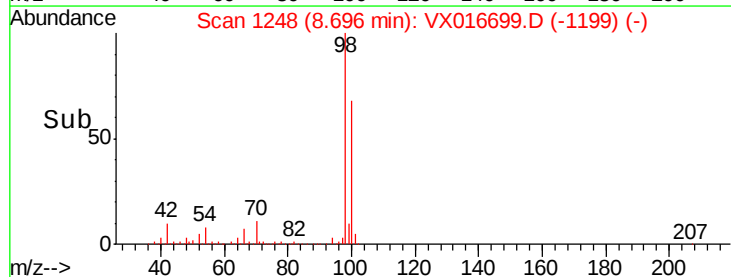
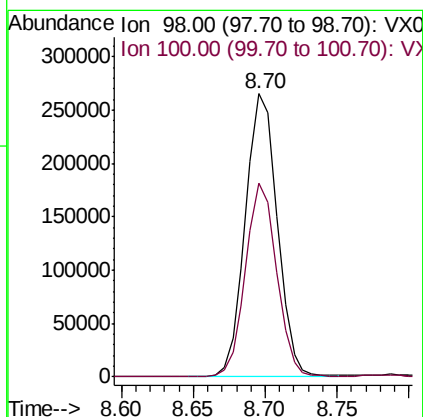
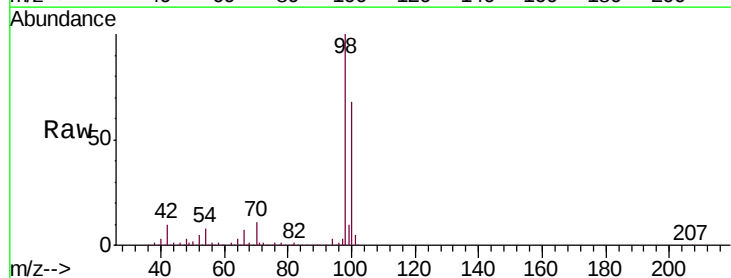
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW041-200610

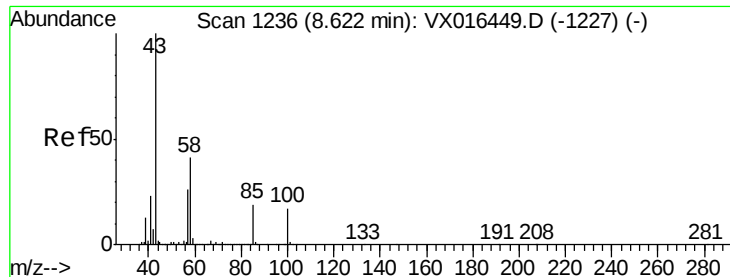
Tgt Ion:130 Resp: 4214
 Ion Ratio Lower Upper
 130 100
 95 73.6 0.0 198.2



#50
 Toluene-d8
 Concen: 51.490 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

Tgt Ion: 98 Resp: 407918
 Ion Ratio Lower Upper
 98 100
 100 66.8 53.8 80.6

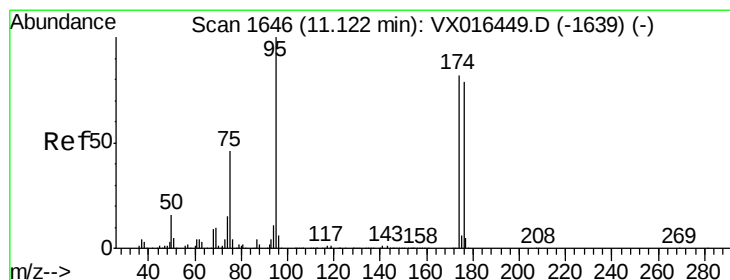
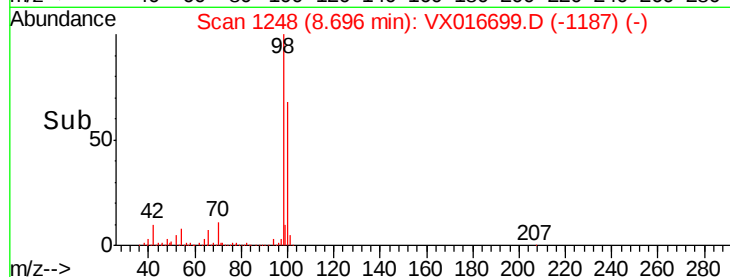
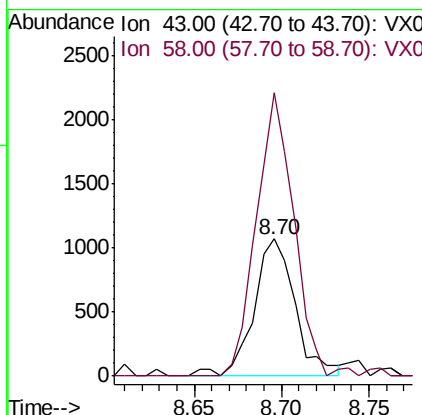
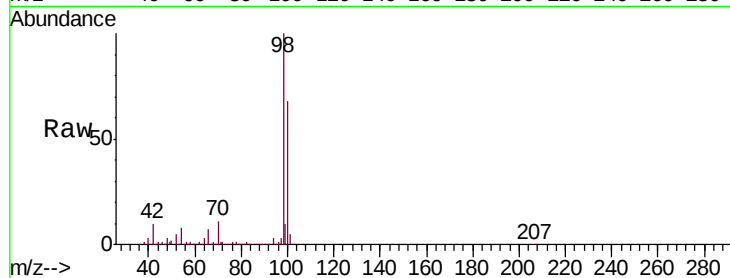




#51
 4-Methyl-2-Pentanone
 Concen: 0.482 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.07 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

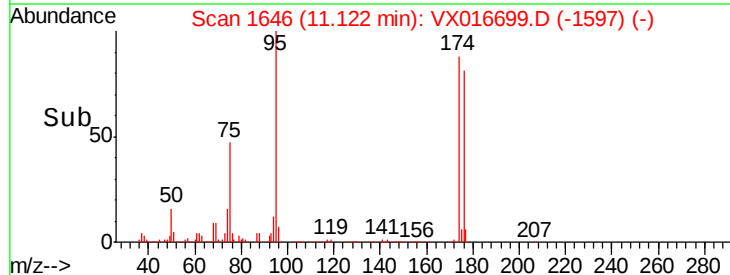
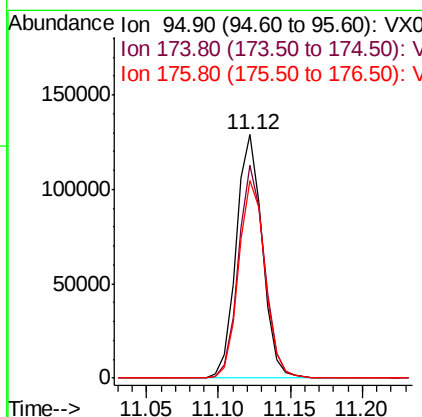
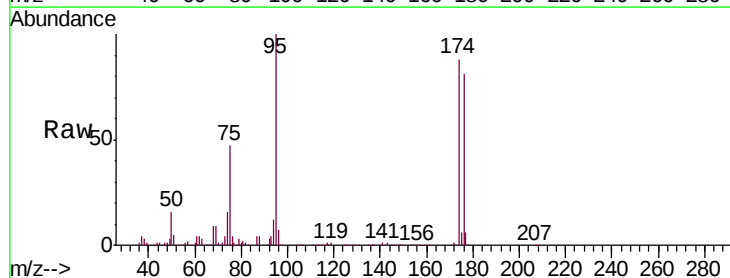
Instrument :
 MSVOA_X
 ClientSampleId :
 LF014RW041-200610

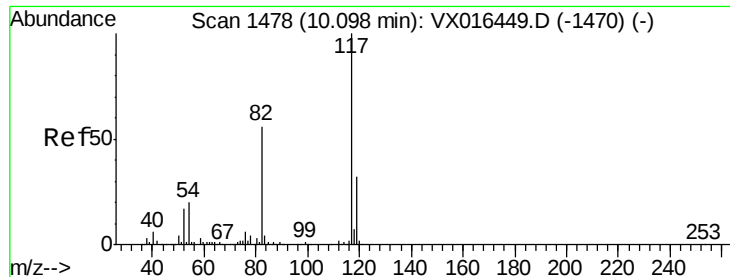
Tgt Ion: 43 Resp: 1759
 Ion Ratio Lower Upper
 43 100
 58 186.2 33.0 49.6#



#62
 4-Bromofluorobenzene
 Concen: 53.275 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016699.D
 Acq: 11 Jun 2020 13:18

Tgt Ion: 95 Resp: 163085
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 163.0
 176 82.1 0.0 156.8

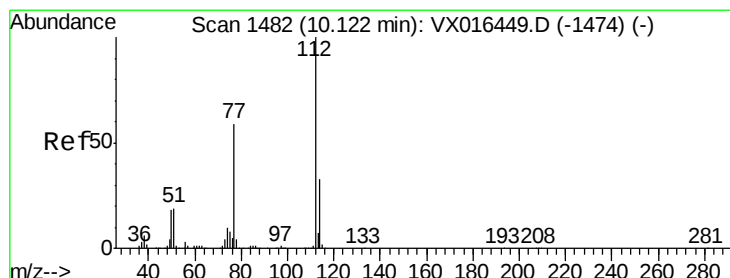
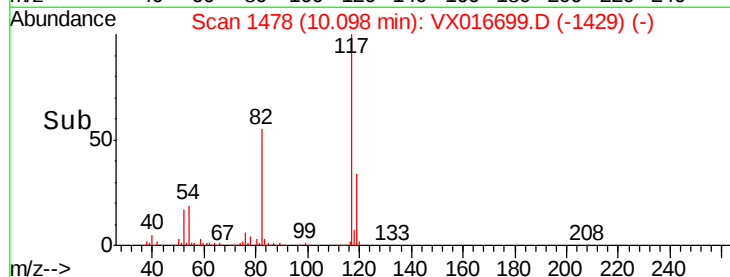
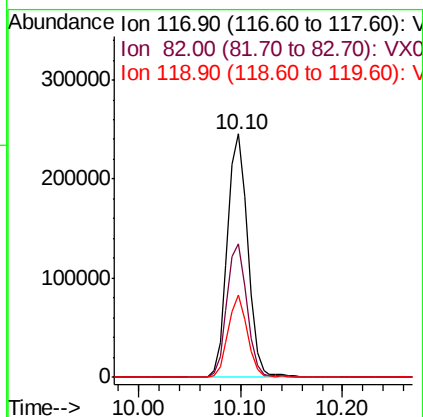
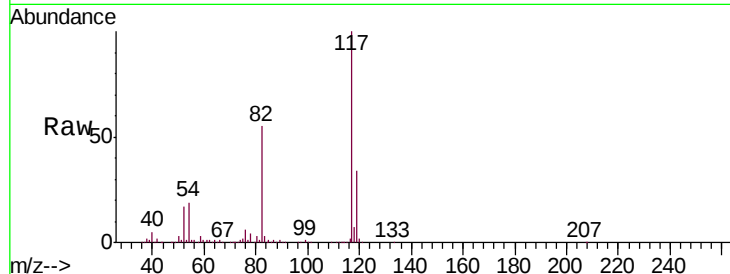




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016699.D
Acq: 11 Jun 2020 13:18

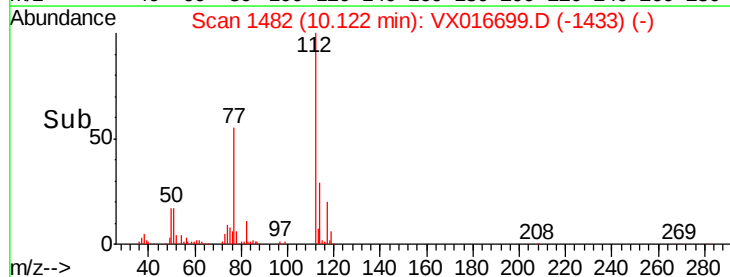
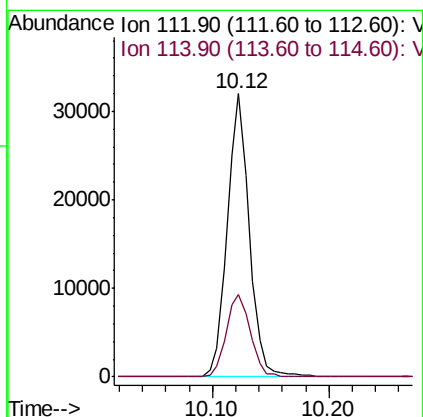
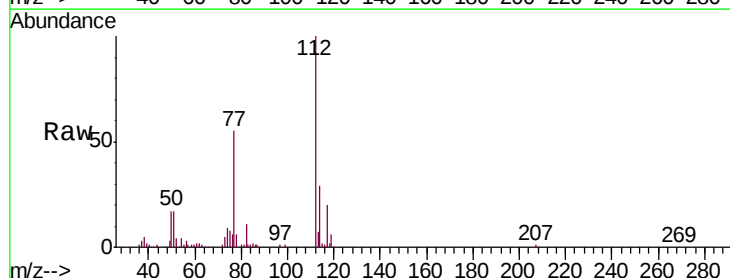
Instrument :
MSVOA_X
ClientSampleId :
LF014RW041-200610

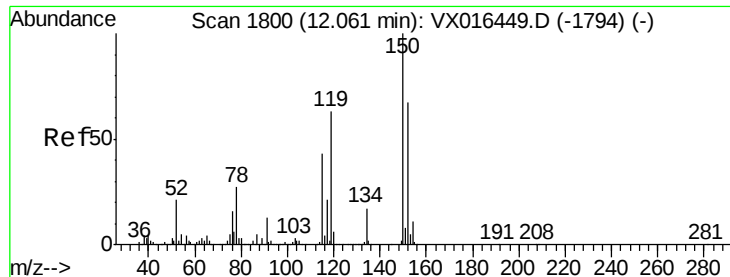
Tgt Ion:117 Resp: 339330
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.6
119 33.7 25.8 38.8



#65
Chlorobenzene
Concen: 6.039 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016699.D
Acq: 11 Jun 2020 13:18

Tgt Ion:112 Resp: 41778
Ion Ratio Lower Upper
112 100
114 29.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

LF014RW041-200610

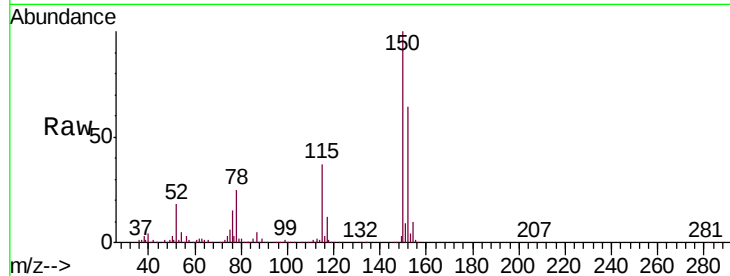
Tgt Ion: 152 Resp: 172242

Ion Ratio Lower Upper

152 100

115 57.1 39.9 119.6

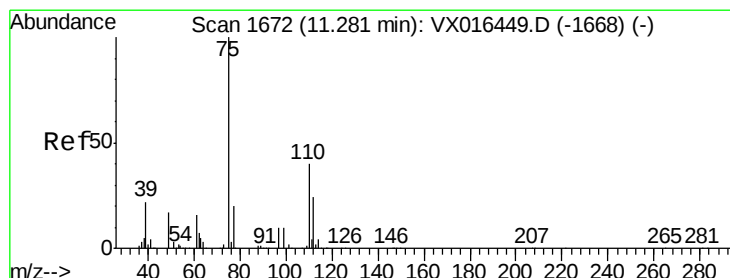
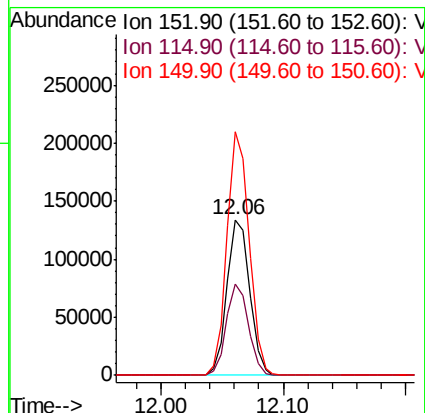
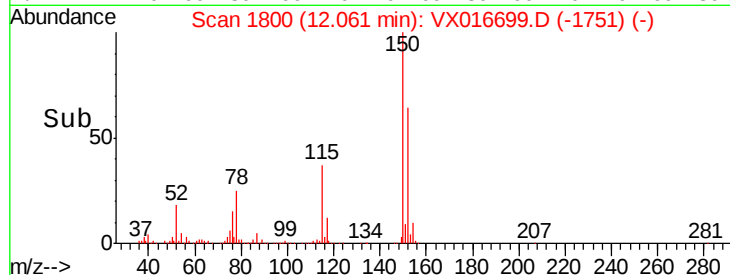
150 152.5 0.0 341.0



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: 20.771 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016699.D

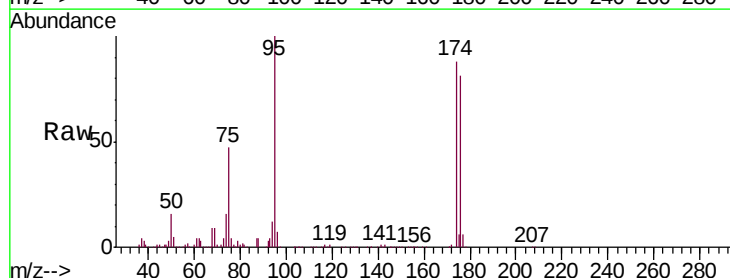
Acq: 11 Jun 2020 13:18

Tgt Ion: 75 Resp: 78637

Ion Ratio Lower Upper

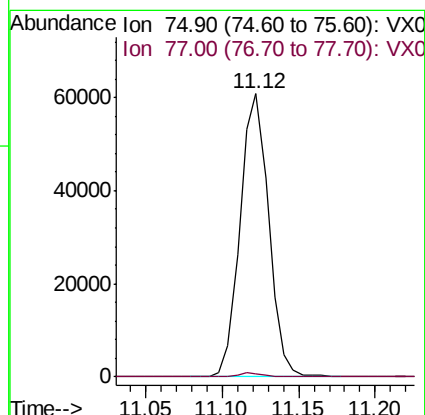
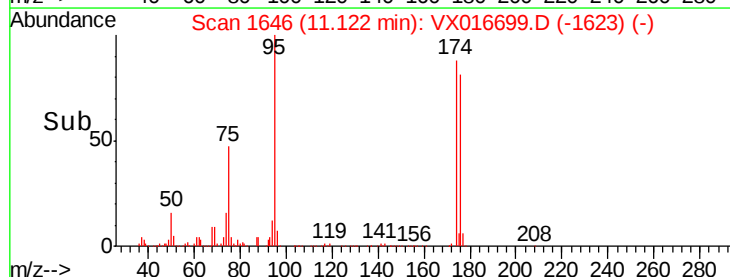
75 100

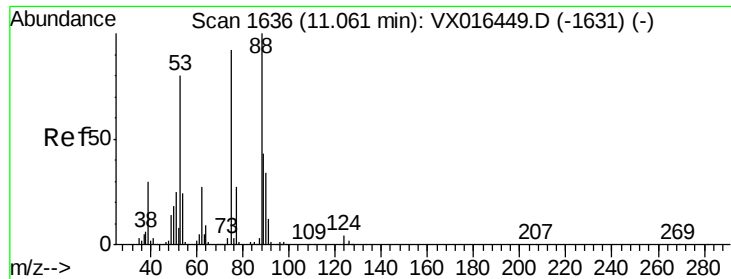
77 1.3 21.3 63.7#



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: 51.093 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016699.D

Acq: 11 Jun 2020 13:18

Instrument :

MSVOA_X

ClientSampleId :

LF014RW041-200610

Tgt Ion: 75 Resp: 78637

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

89 0.0 36.6 55.0#

