

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060120\
 Data File : VX016537.D
 Acq On : 01 Jun 2020 18:23
 Operator : JC/SP
 Sample : L2801-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW612-200528

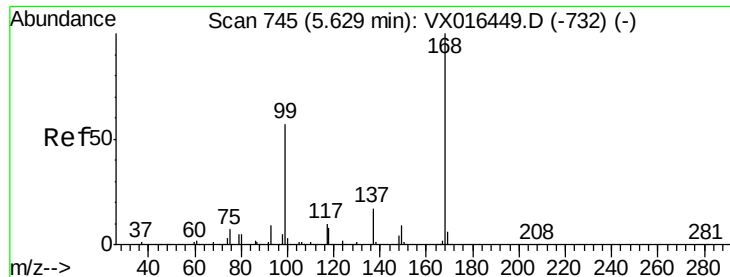
Quant Time: Jun 02 01:49:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	262710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	425007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230085	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	156715	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	5.47	113	125568	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.70	98	533979	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.12	95	218716	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1130	0.362	ug/l #	82
4) Vinyl Chloride	1.39	62	6067	1.836	ug/l	97
11) Tert butyl alcohol	3.01	59	2596	3.103	ug/l	96
13) Acrolein	2.26	56	447	1.256	ug/l	86
16) Acetone	2.42	43	5689	3.980	ug/l	95
17) Carbon Disulfide	2.55	76	6598	0.879	ug/l #	86
21) trans-1,2-Dichloroethene	3.15	96	1389	0.497	ug/l	82
25) 2-Butanone	4.65	43	1283	0.530	ug/l #	73
27) cis-1,2-Dichloroethene	4.57	96	3193	0.987	ug/l	67
29) Tetrahydrofuran	5.09	42	3323	2.124	ug/l	95
31) Cyclohexane	5.64	56	4801	1.059	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	18952	4.710	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25201	5.959	ug/l #	16
52) Toluene	8.76	92	5378	0.712	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	107168	21.190	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	107168	52.125	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

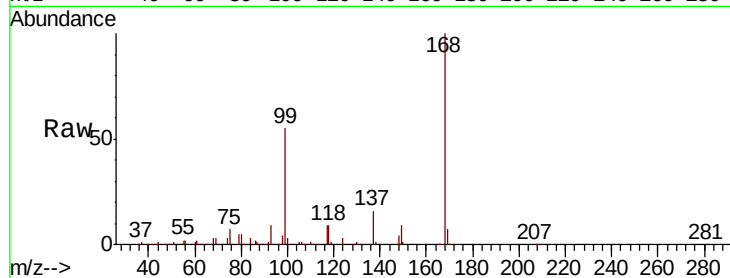
SS050MW612-200528

Tot Ion:168 Resp: 262710

Ion Ratio Lower Upper

168 100

99 54.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

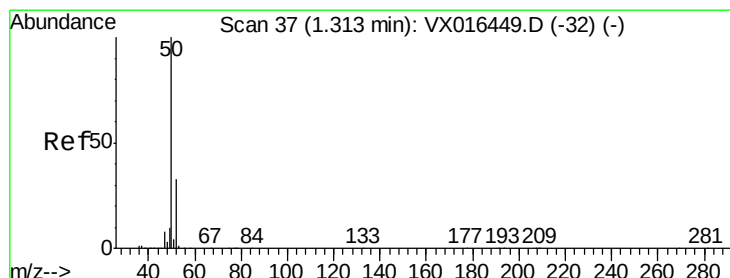
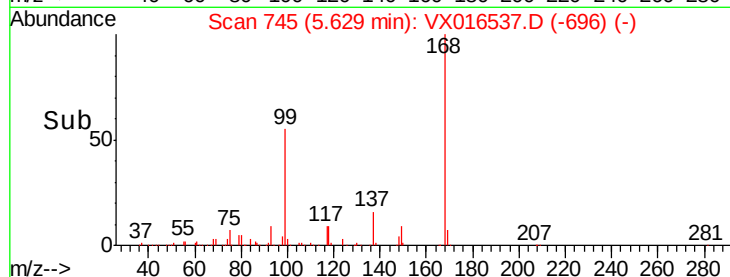
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.362 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016537.D

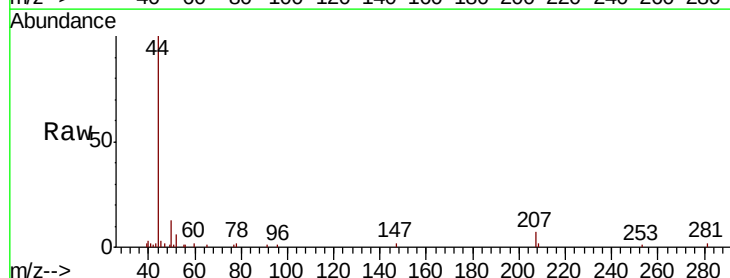
Acq: 01 Jun 2020 18:23

Tgt Ion: 50 Resp: 1130

Ion Ratio Lower Upper

50 100

52 42.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

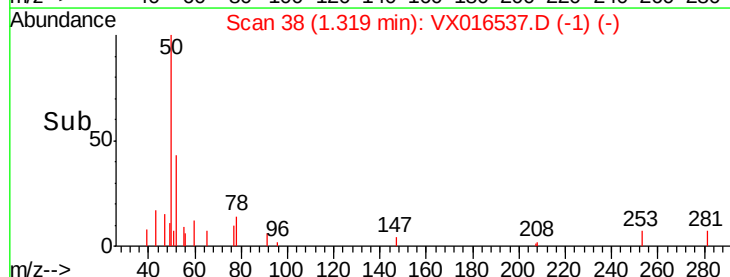
400

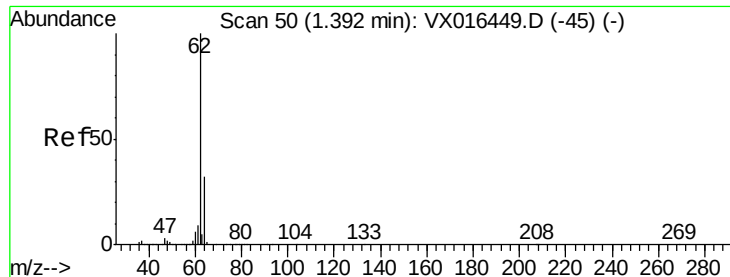
200

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 1.836 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

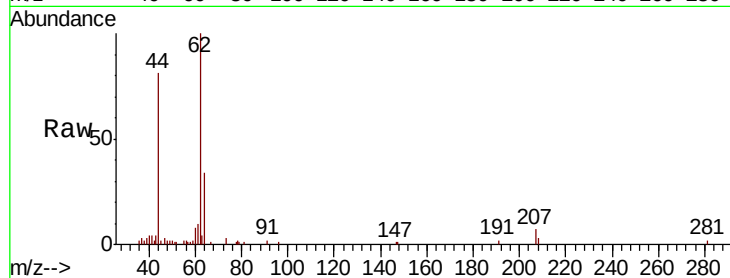
SS050MW612-200528

Tot Ion: 62 Resp: 6067

Ion Ratio Lower Upper

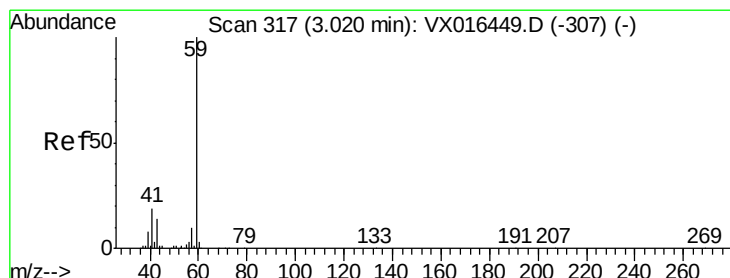
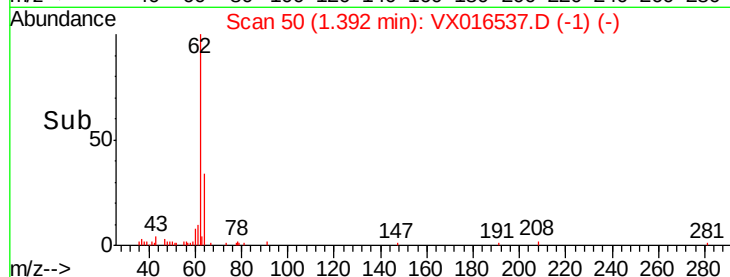
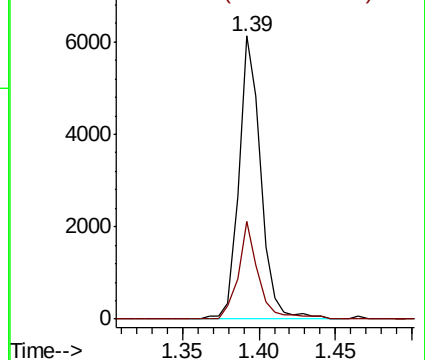
62 100

64 34.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#11

Tert butyl alcohol

Concen: 3.103 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016537.D

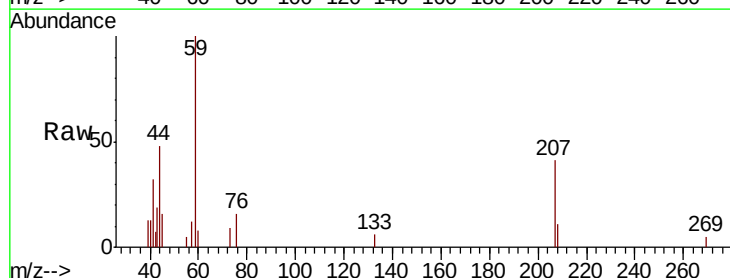
Acq: 01 Jun 2020 18:23

Tgt Ion: 59 Resp: 2596

Ion Ratio Lower Upper

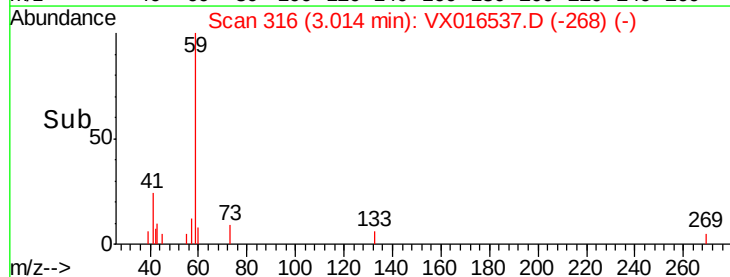
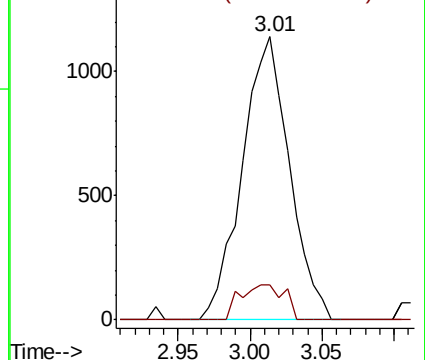
59 100

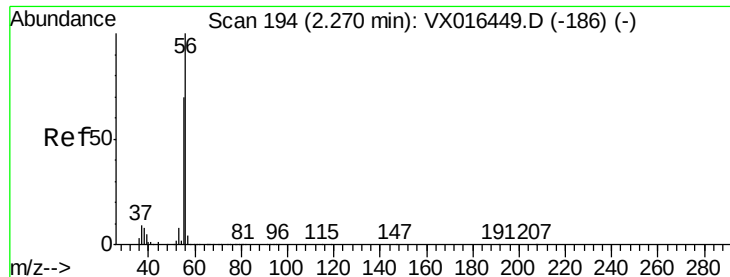
57 11.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.256 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

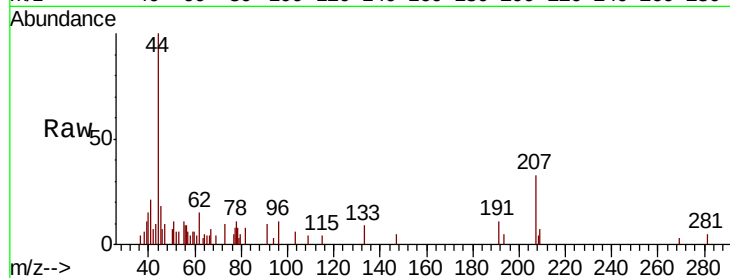
SS050MW612-200528

Tot Ion: 56 Resp: 447

Ion Ratio Lower Upper

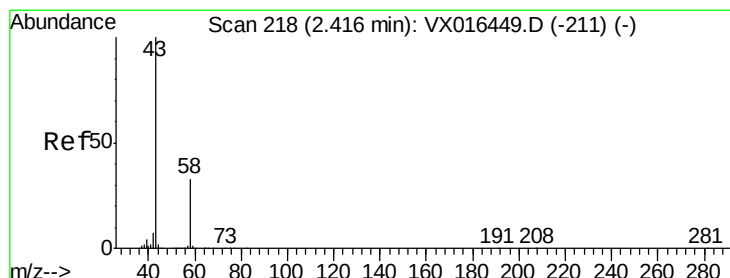
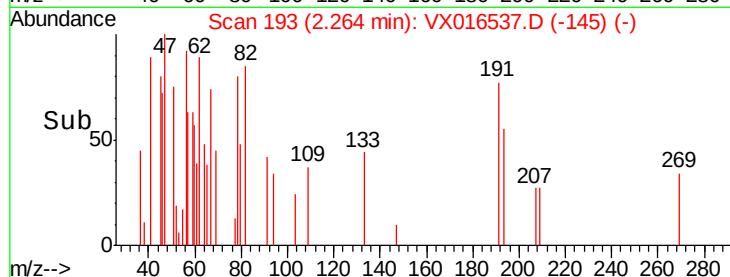
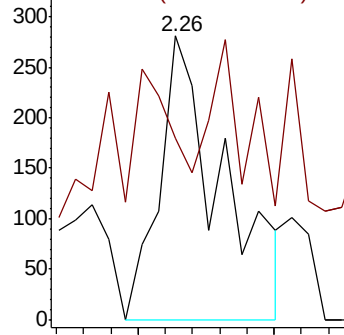
56 100

55 85.0 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: 3.980 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016537.D

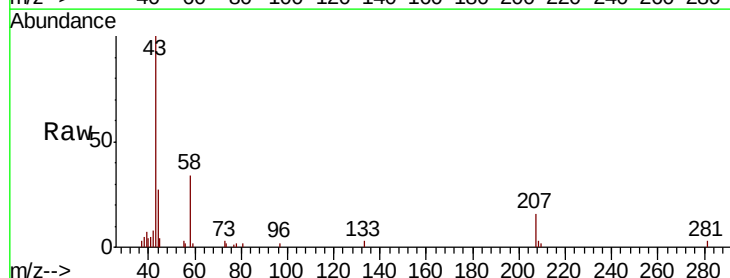
Acq: 01 Jun 2020 18:23

Tgt Ion: 43 Resp: 5689

Ion Ratio Lower Upper

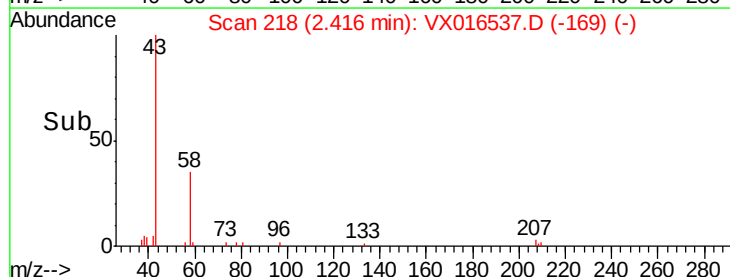
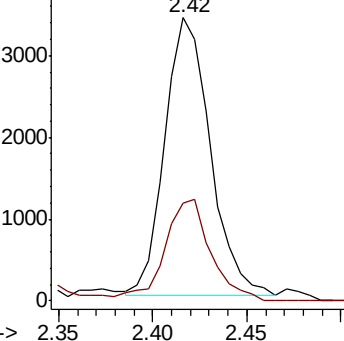
43 100

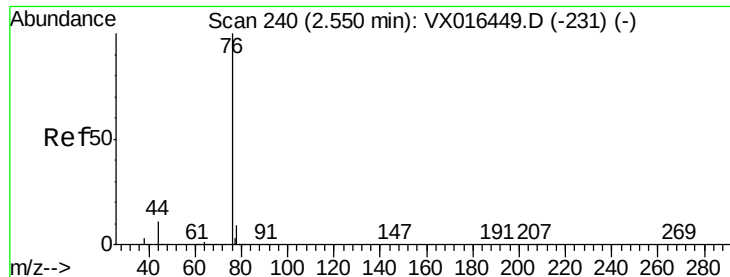
58 35.2 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

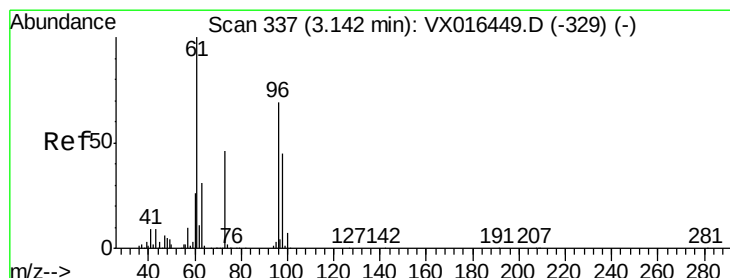
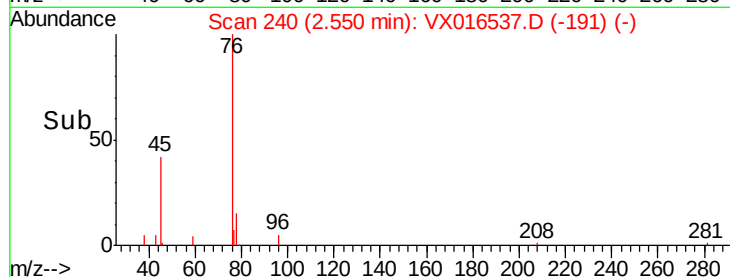
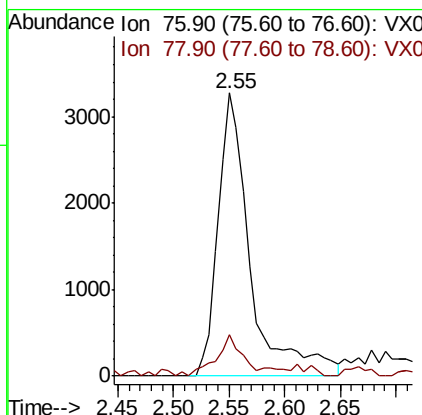
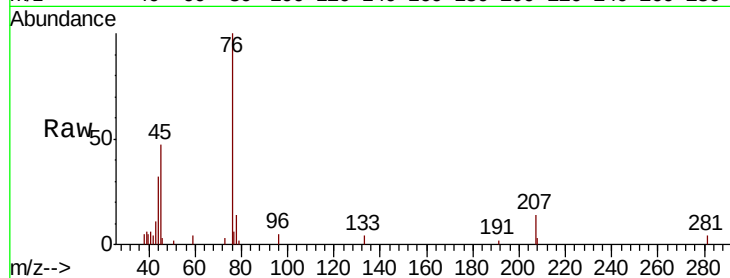




#17
Carbon Disulfide
Concen: 0.879 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016537.D
Acq: 01 Jun 2020 18:23

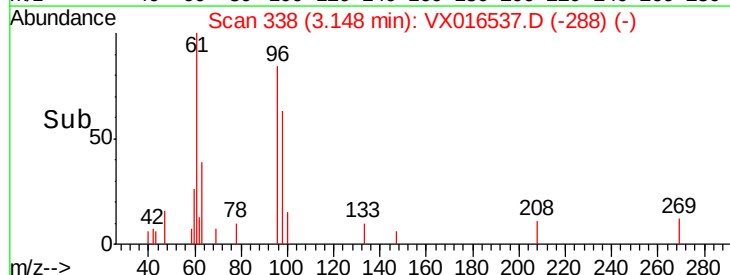
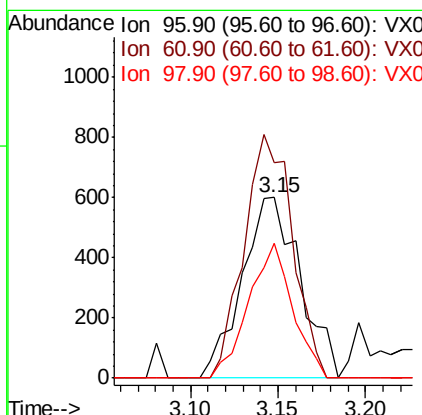
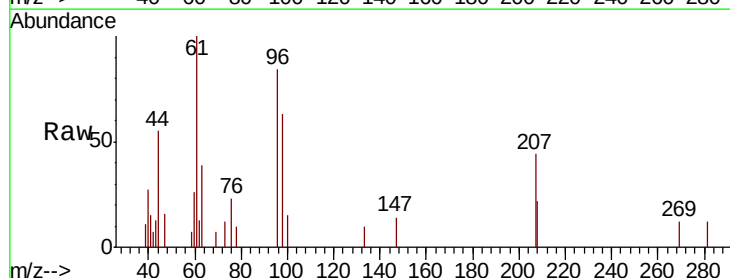
Instrument :
MSVOA_X
ClientSampleId :
SS050MW612-200528

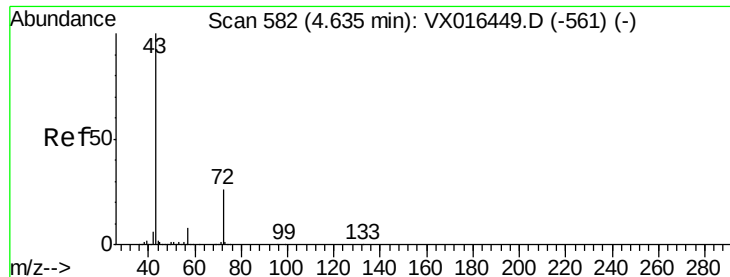
Tot Ion: 76 Resp: 6598
Ion Ratio Lower Upper
76 100
78 14.4 7.4 11.0#



#21
trans-1,2-Dichloroethene
Concen: 0.497 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016537.D
Acq: 01 Jun 2020 18:23

Tgt Ion: 96 Resp: 1389
Ion Ratio Lower Upper
96 100
61 119.2 115.3 172.9
98 74.7 51.9 77.9





#25

2-Butanone

Concen: 0.530 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

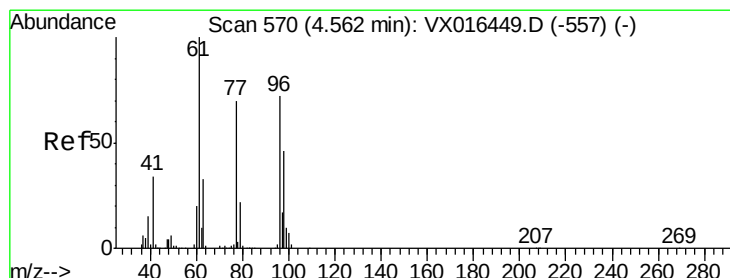
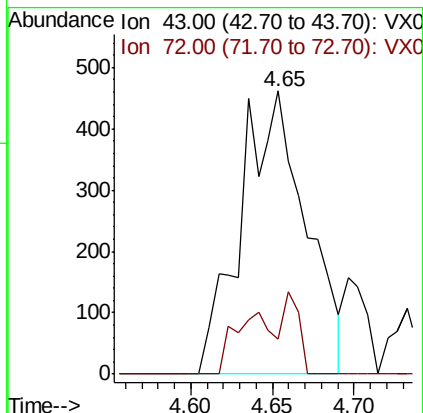
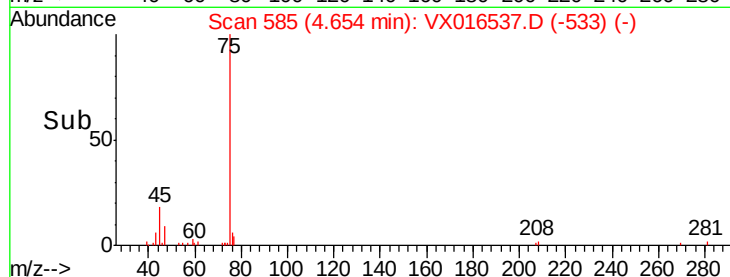
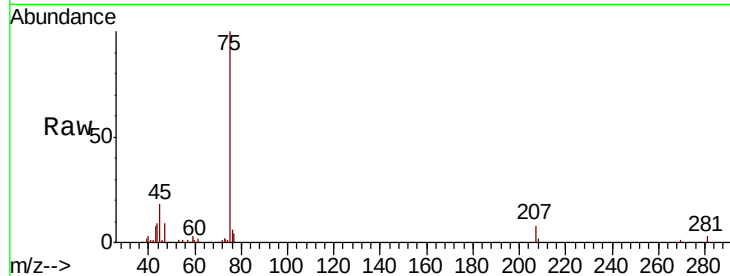
SS050MW612-200528

Tot Ion: 43 Resp: 1283

Ion Ratio Lower Upper

43 100

72 12.3 21.0 31.6#



#27

cis-1,2-Dichloroethene

Concen: 0.987 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

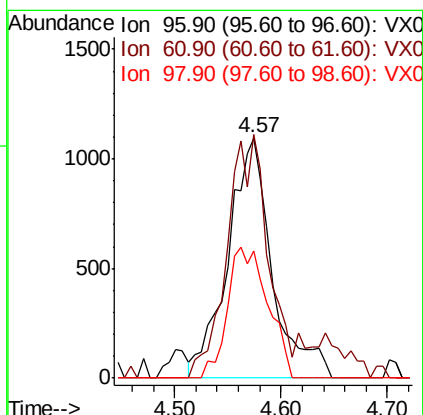
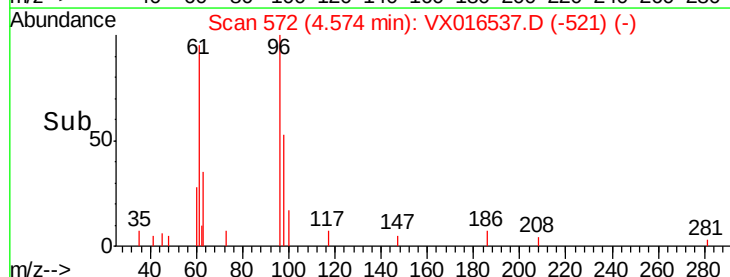
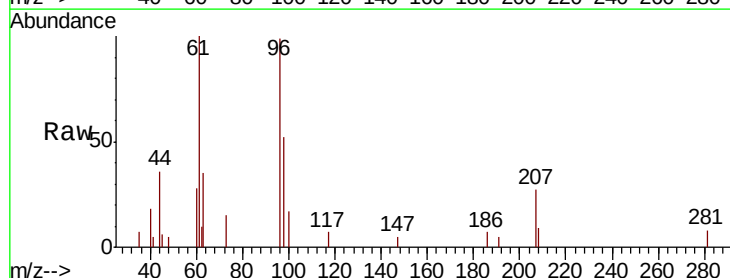
Tgt Ion: 96 Resp: 3193

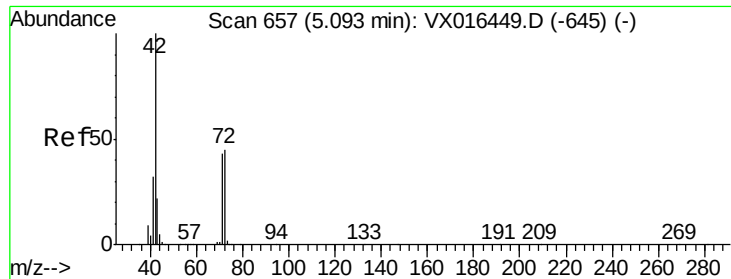
Ion Ratio Lower Upper

96 100

61 93.8 0.0 284.6

98 49.8 0.0 127.2





#29

Tetrahydrofuran

Concen: 2.124 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

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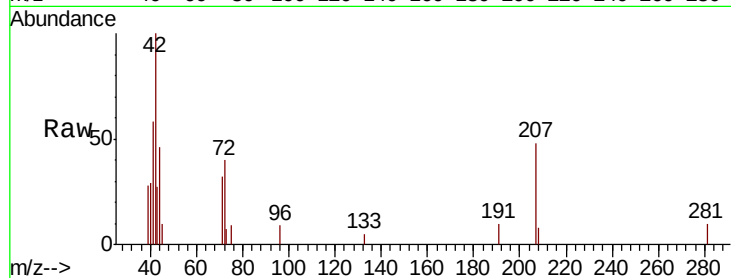
Tot Ion: 42 Resp: 3323

Ion Ratio Lower Upper

42 100

72 43.9 37.0 55.4

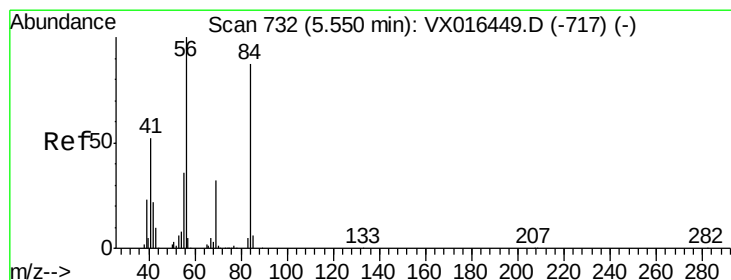
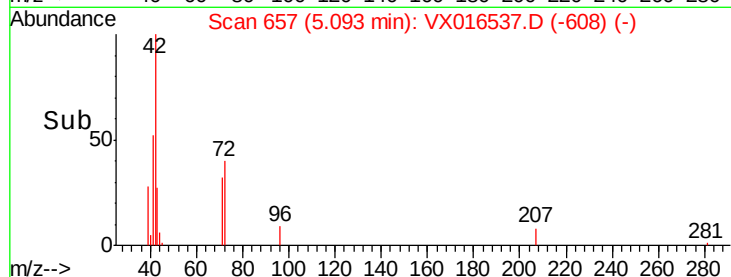
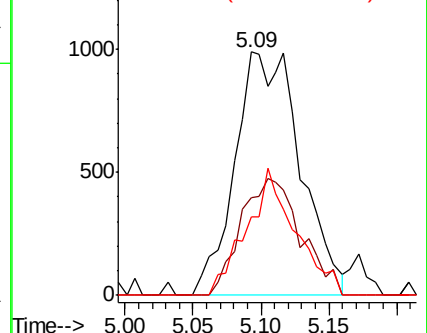
71 38.9 34.1 51.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.059 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

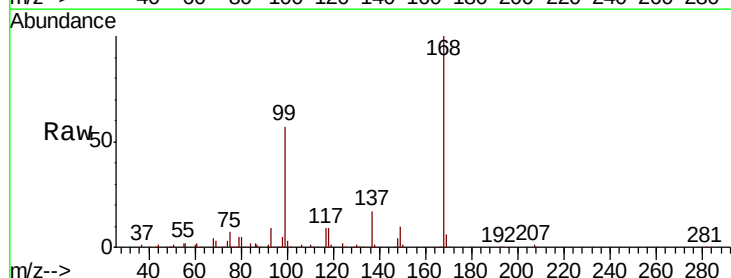
Tgt Ion: 56 Resp: 4801

Ion Ratio Lower Upper

56 100

69 178.9 25.7 38.5#

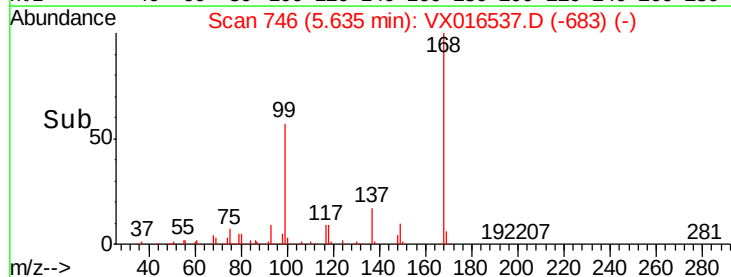
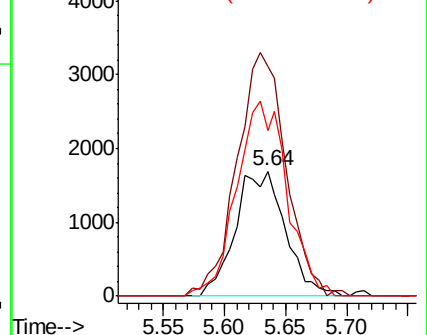
84 132.1 70.0 105.0#

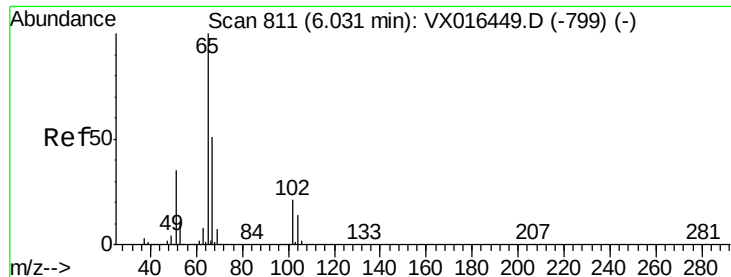


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

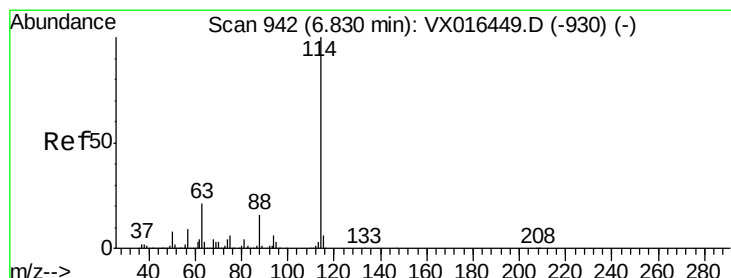
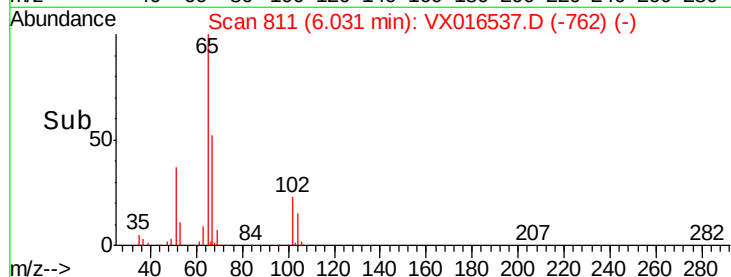
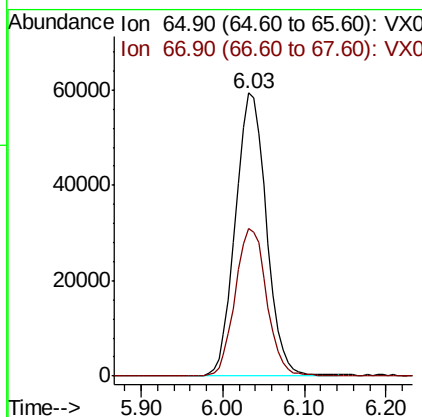
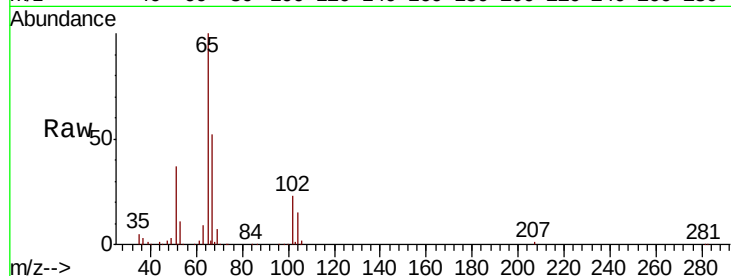




#33
 1,2-Dichloroethane-d4
 Concen: 48.035 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016537.D
 Acq: 01 Jun 2020 18:23

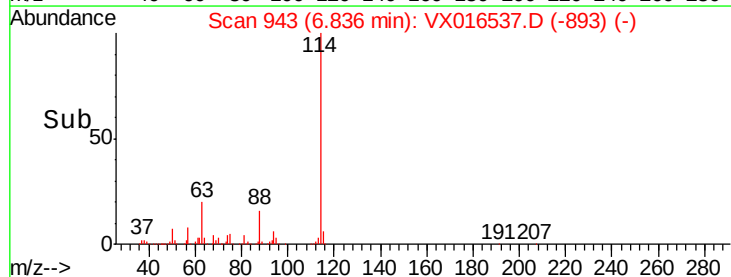
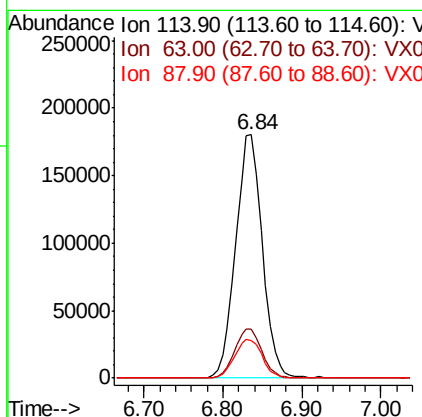
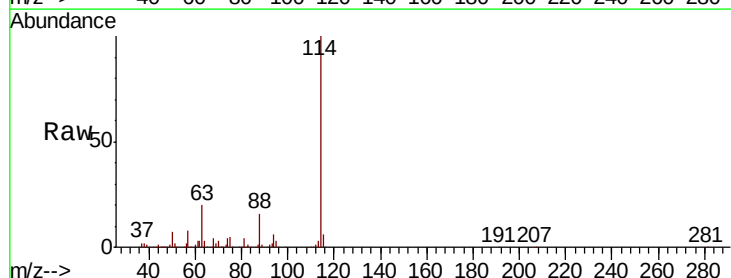
Instrument :
 MSVOA_X
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 SS050MW612-200528

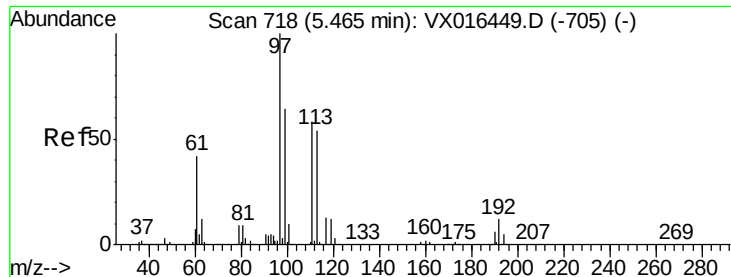
Tot Ion: 65 Resp: 156715
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016537.D
 Acq: 01 Jun 2020 18:23

Tgt Ion: 114 Resp: 425007
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.6
 88 15.6 0.0 32.8

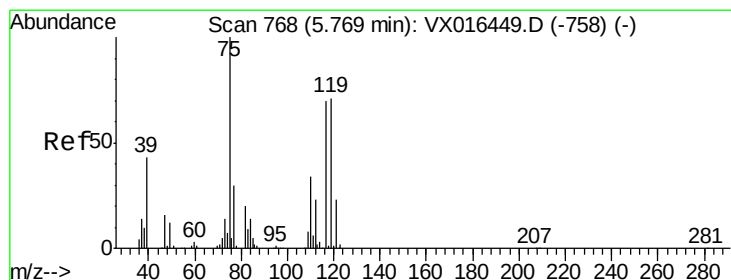
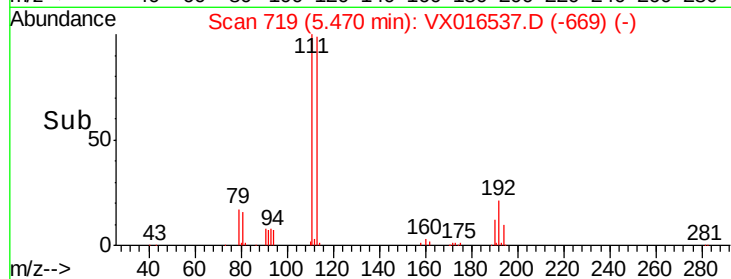
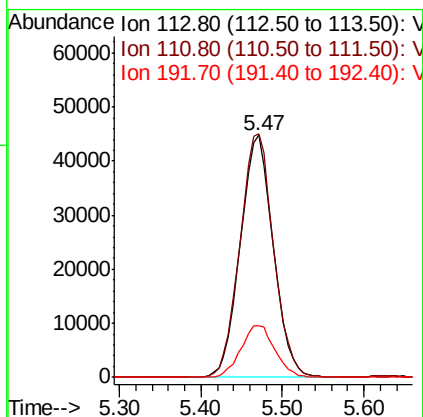
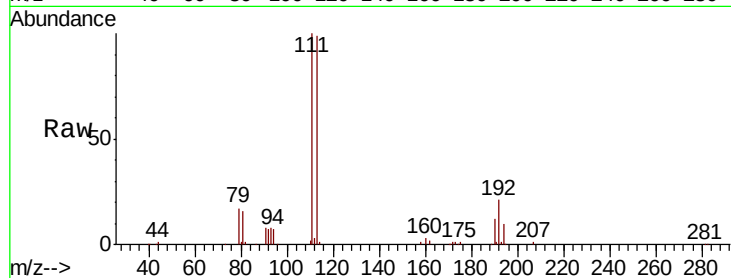




#35
 Dibromofluoromethane
 Concen: 47.982 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016537.D
 Acq: 01 Jun 2020 18:23

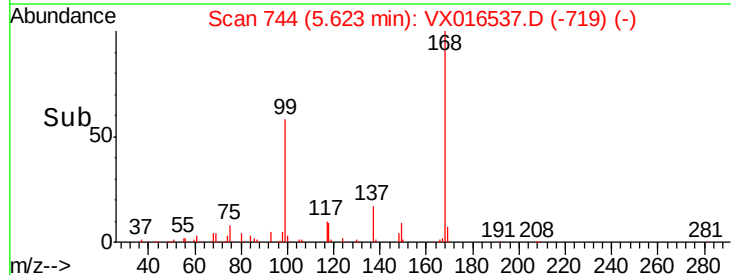
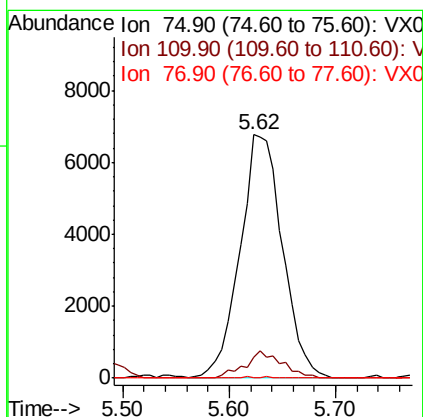
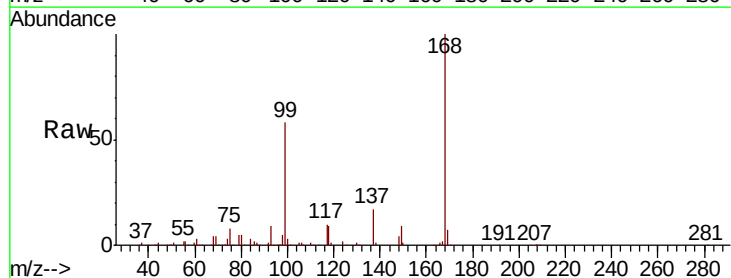
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW612-200528

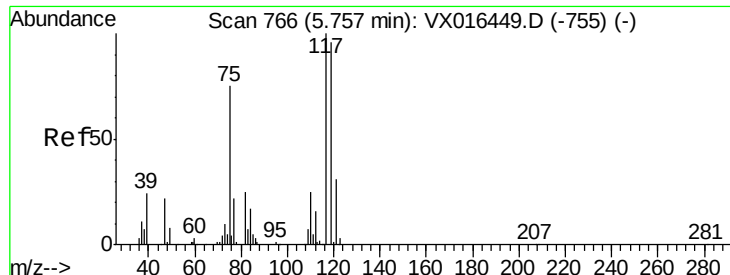
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.6
192	22.1	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016537.D
 Acq: 01 Jun 2020 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.4	52.3#
77	0.1	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.959 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

SS050MW612-200528

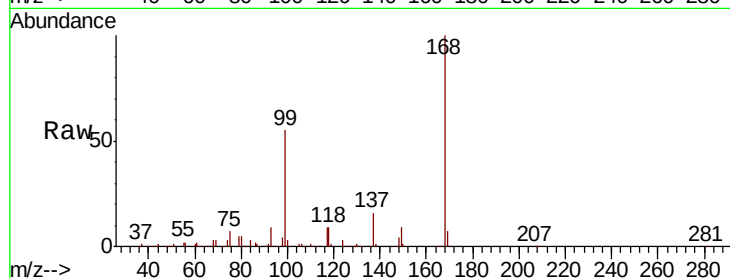
Tot Ion:117 Resp: 25201

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

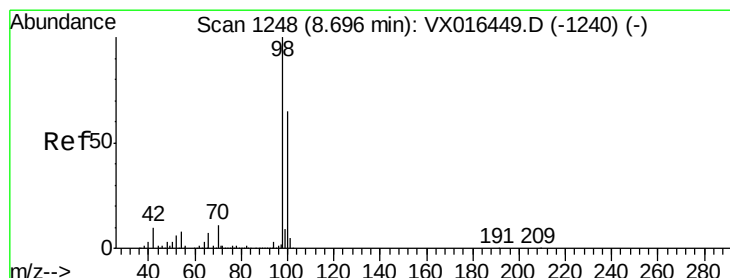
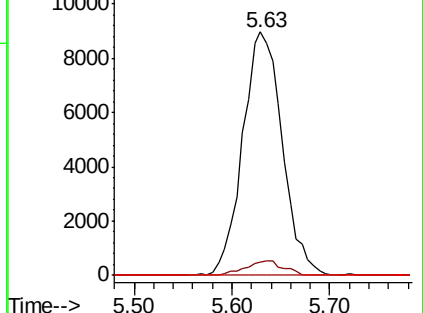
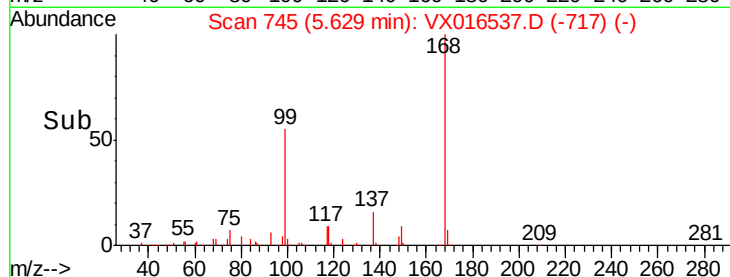
121 0.0 24.6 37.0#



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: 52.424 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016537.D

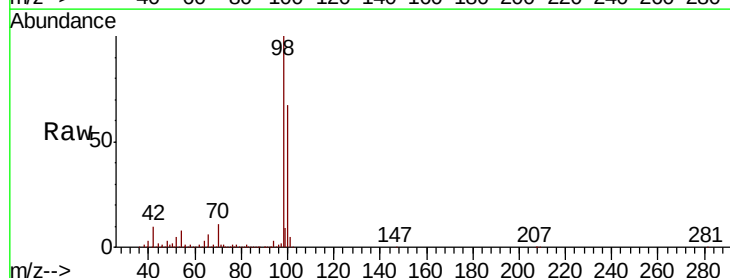
Acq: 01 Jun 2020 18:23

Tgt Ion: 98 Resp: 533979

Ion Ratio Lower Upper

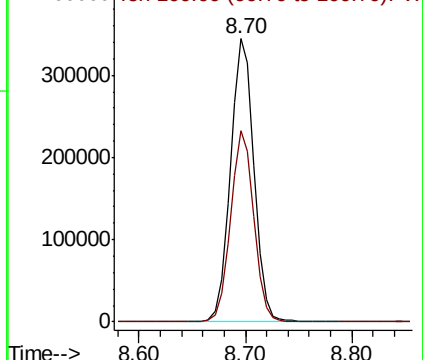
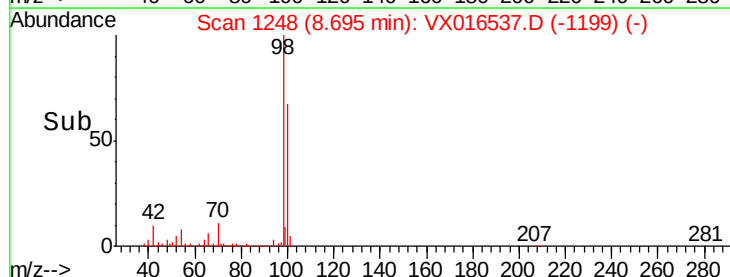
98 100

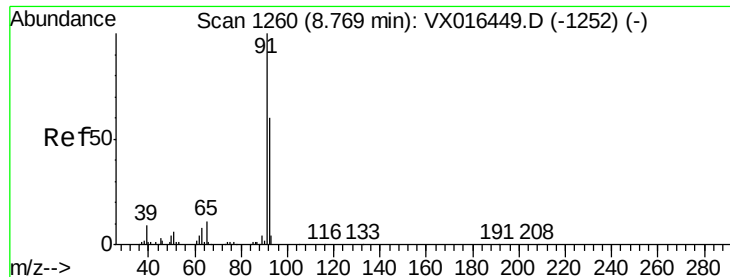
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.712 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

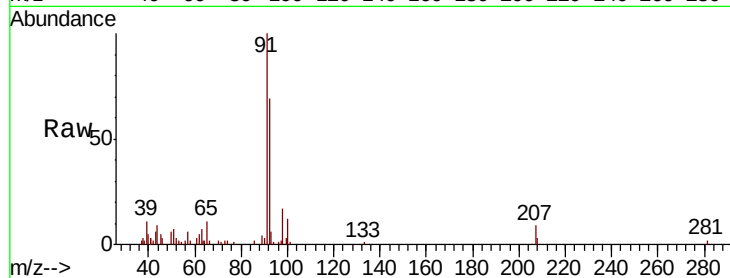
SS050MW612-200528

Tot Ion: 92 Resp: 5378

Ion Ratio Lower Upper

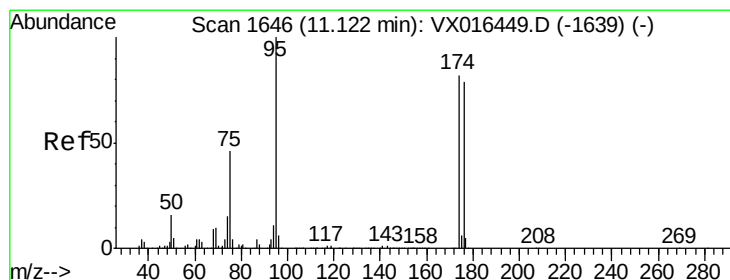
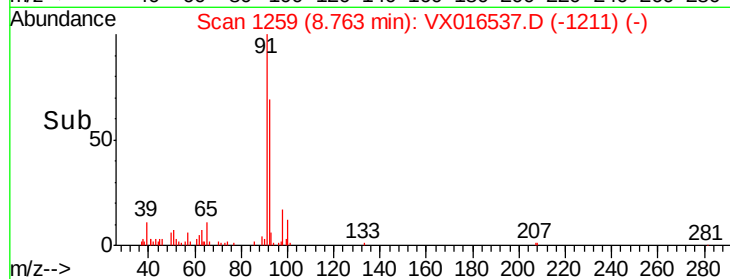
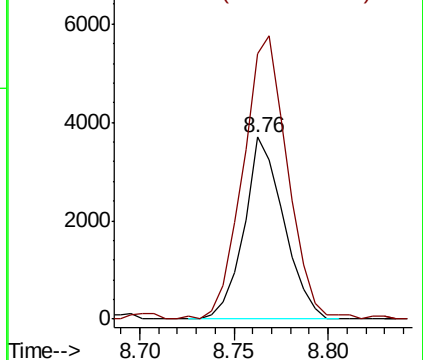
92 100

91 175.0 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.571 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

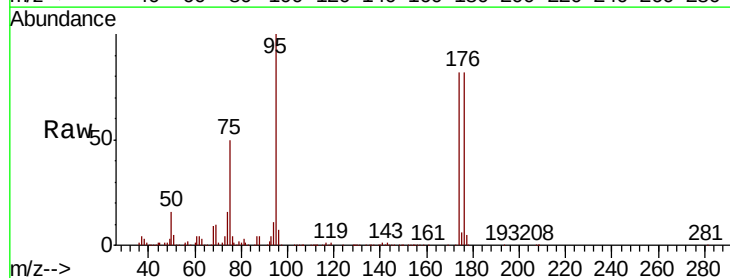
Tgt Ion: 95 Resp: 218716

Ion Ratio Lower Upper

95 100

174 82.4 0.0 163.0

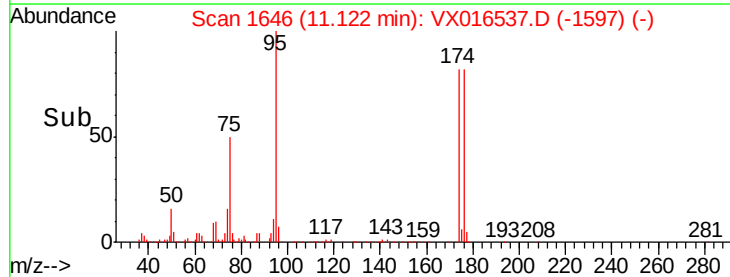
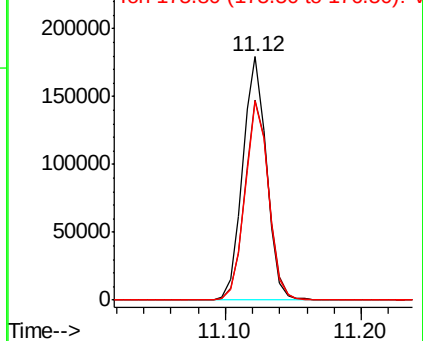
176 81.1 0.0 156.8

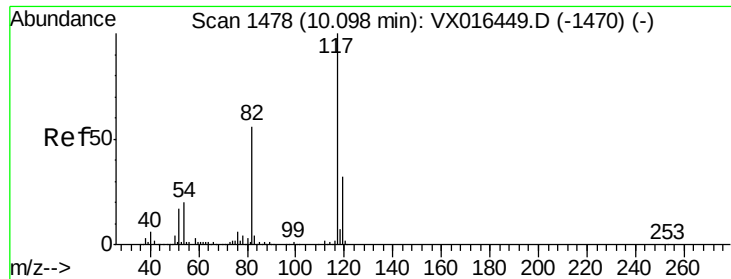


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

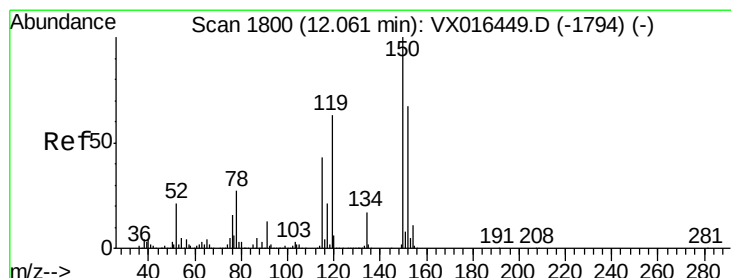
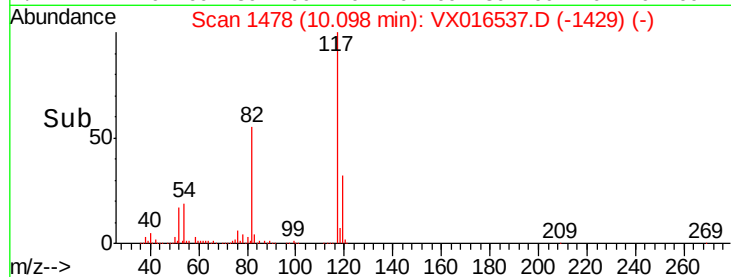
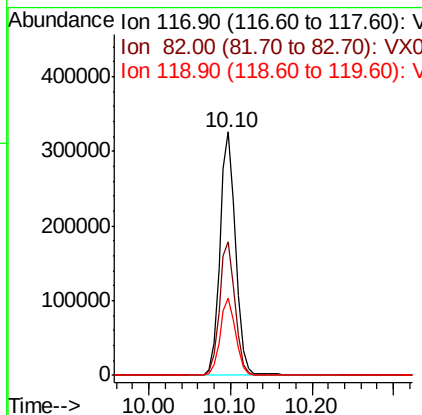
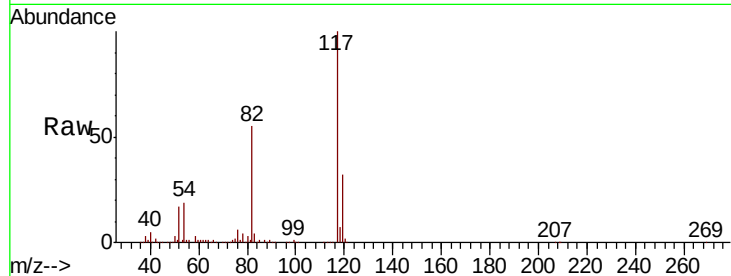




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016537.D
Acq: 01 Jun 2020 18:23

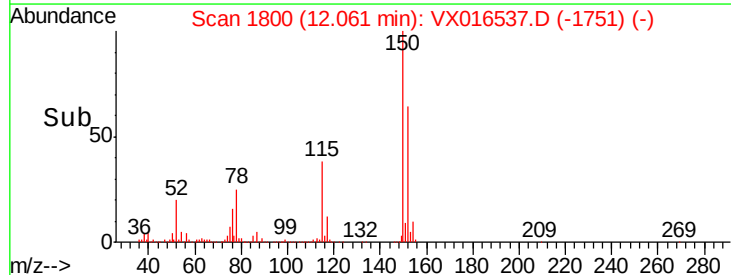
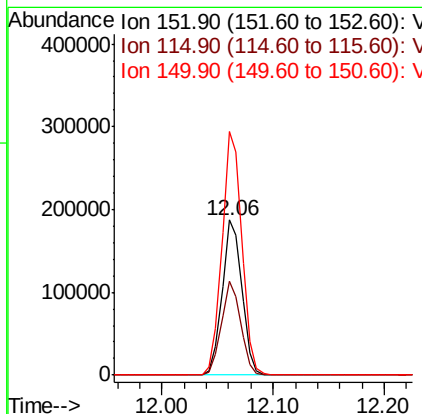
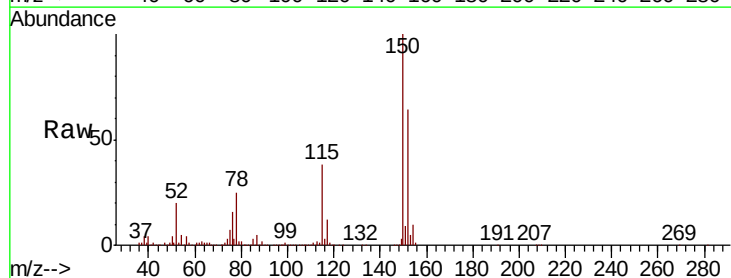
Instrument :
MSVOA_X
ClientSampleId :
SS050MW612-200528

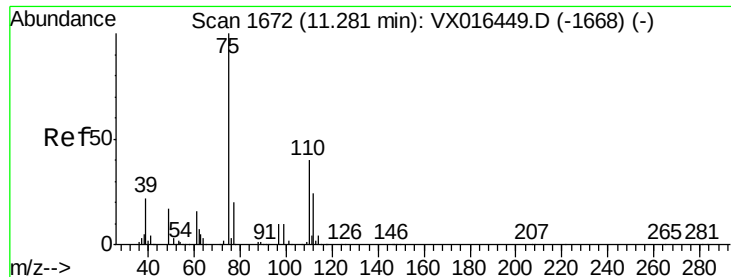
Tot Ion:117 Resp: 437037
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.6
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016537.D
Acq: 01 Jun 2020 18:23

Tgt Ion:152 Resp: 230085
Ion Ratio Lower Upper
152 100
115 59.0 39.9 119.6
150 157.0 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.190 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

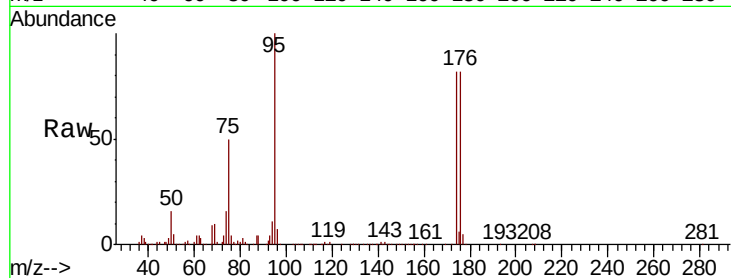
SS050MW612-200528

Tot Ion: 75 Resp: 107168

Ion Ratio Lower Upper

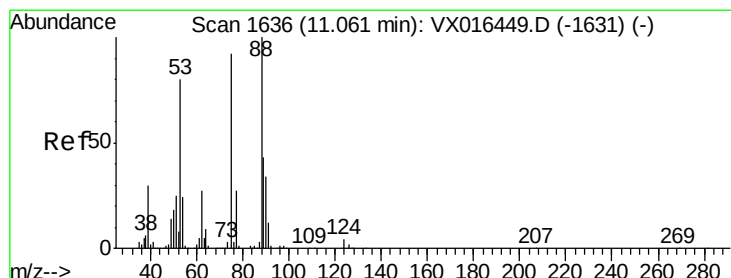
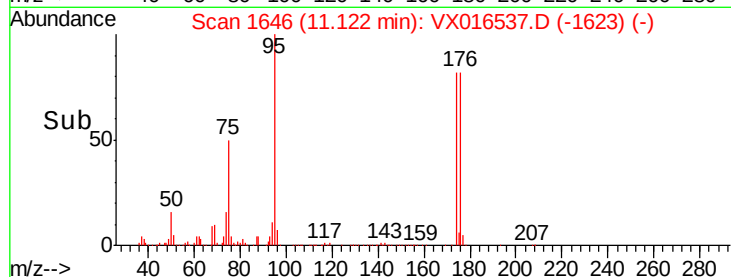
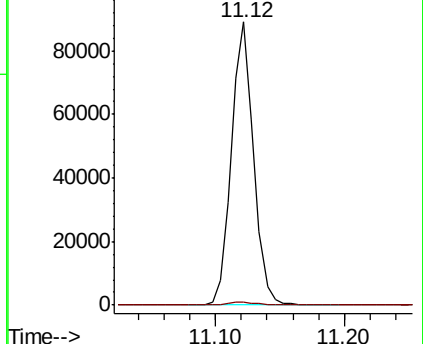
75 100

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: 52.125 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016537.D

Acq: 01 Jun 2020 18:23

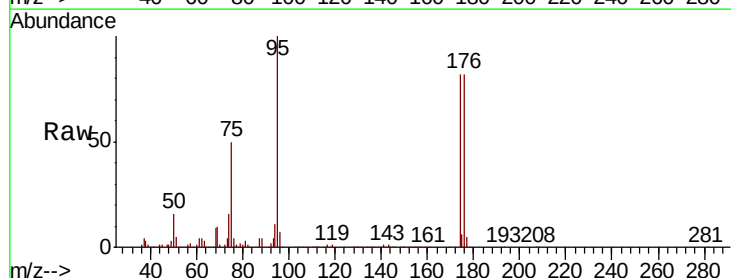
Tgt Ion: 75 Resp: 107168

Ion Ratio Lower Upper

75 100

53 0.1 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

