

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016534.D
 Acq On : 01 Jun 2020 17:15
 Operator : JC/SP
 Sample : L2801-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW638-200528

Quant Time: Jun 02 01:49:24 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	265286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	427772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228647	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	157117	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.47	113	125669	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.70	98	535211	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.12	95	219661	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	

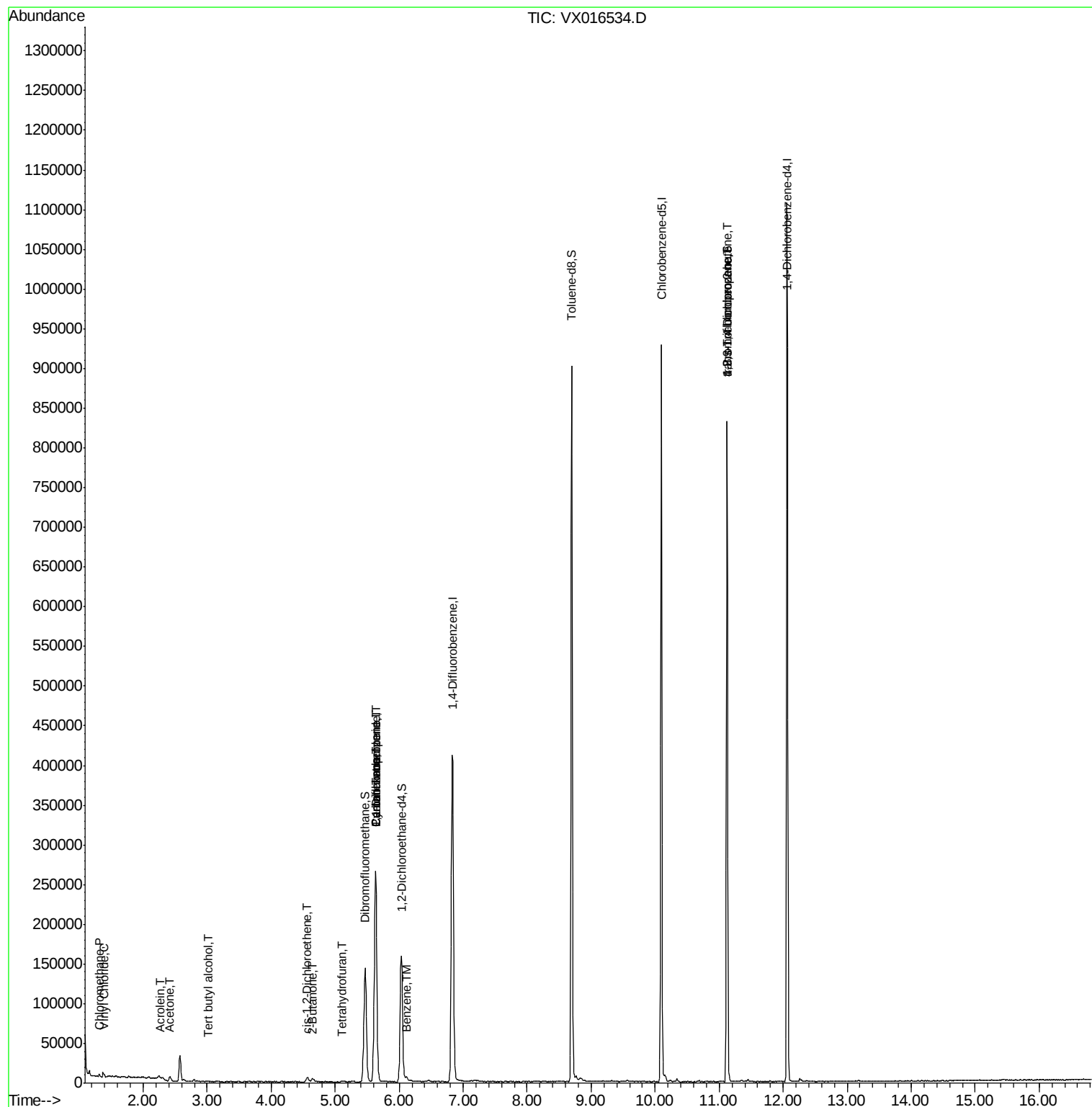
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1813	0.575	ug/l	98
4) Vinyl Chloride	1.39	62	873	0.262	ug/l	94
11) Tert butyl alcohol	3.02	59	524	0.620	ug/l #	72
13) Acrolein	2.28	56	258	0.718	ug/l #	1
16) Acetone	2.42	43	5632	3.902	ug/l	99
25) 2-Butanone	4.65	43	1211	0.495	ug/l #	76
27) cis-1,2-Dichloroethene	4.57	96	3832	1.173	ug/l	86
29) Tetrahydrofuran	5.09	42	438	0.277	ug/l #	59
31) Cyclohexane	5.63	56	4904	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18869	4.659	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25272	5.938	ug/l #	16
40) Benzene	6.11	78	5331	0.442	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	107380	21.366	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	107380	52.557	ug/l #	14

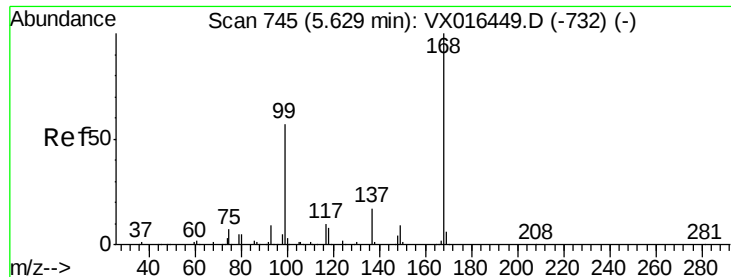
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060120\
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QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

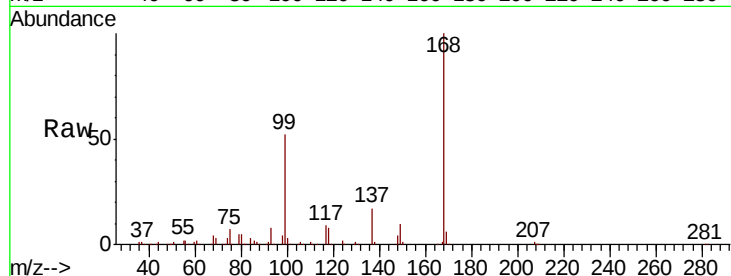
SS050MW638-200528

Tot Ion:168 Resp: 265286

Ion Ratio Lower Upper

168 100

99 52.3 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

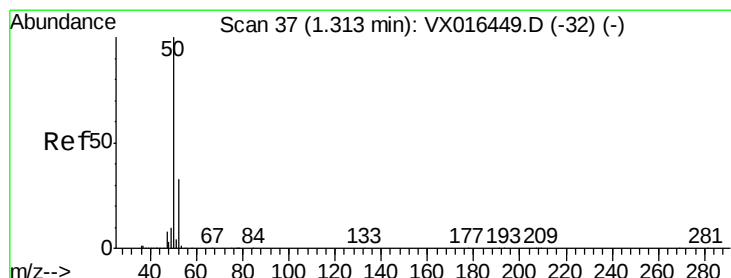
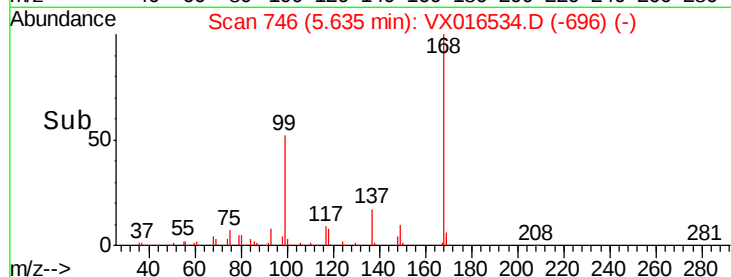
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.575 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016534.D

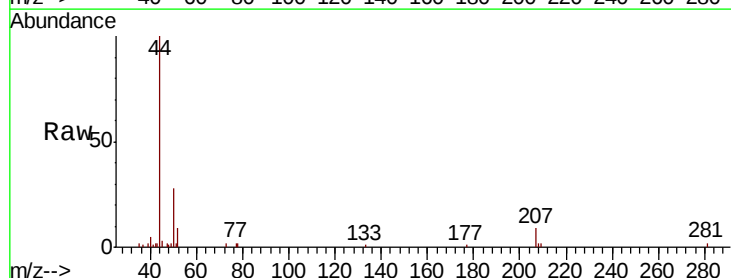
Acq: 01 Jun 2020 17:15

Tgt Ion: 50 Resp: 1813

Ion Ratio Lower Upper

50 100

52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

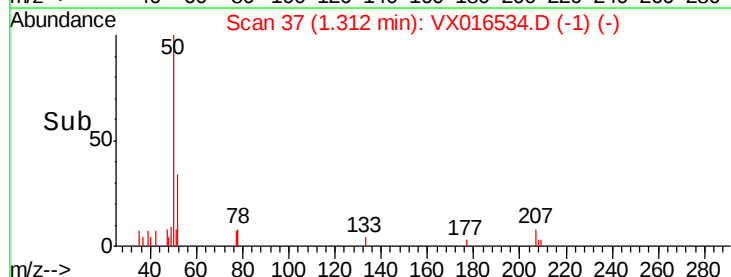
1500

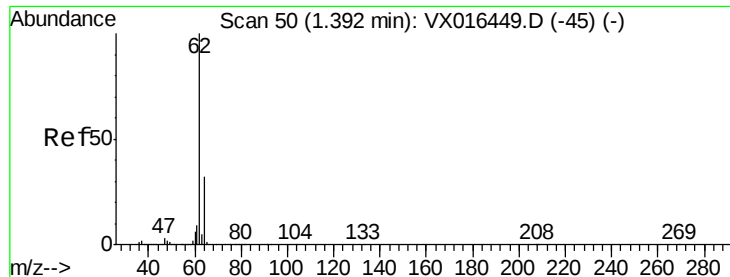
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.262 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

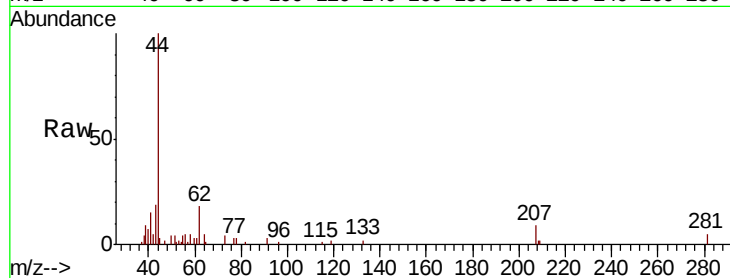
SS050MW638-200528

Tot Ion: 62 Resp: 873

Ion Ratio Lower Upper

62 100

64 29.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

800

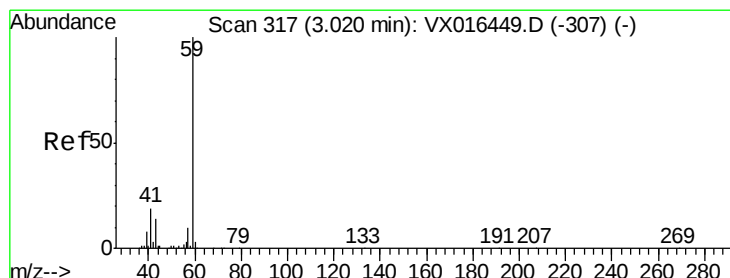
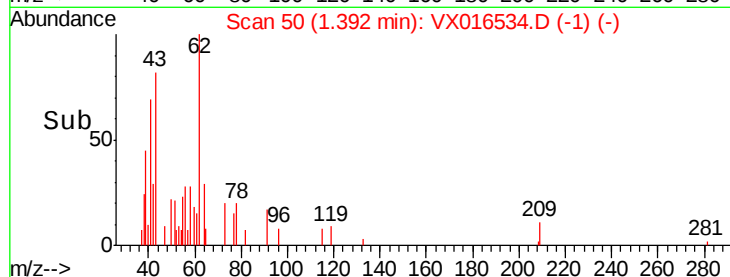
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 0.620 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016534.D

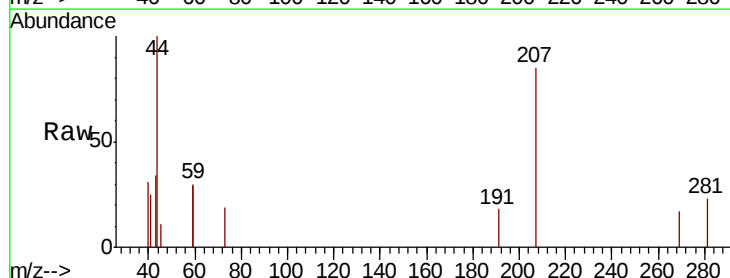
Acq: 01 Jun 2020 17:15

Tgt Ion: 59 Resp: 524

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

3.02

300

250

200

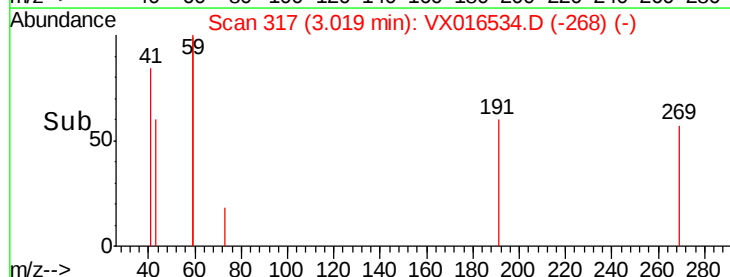
150

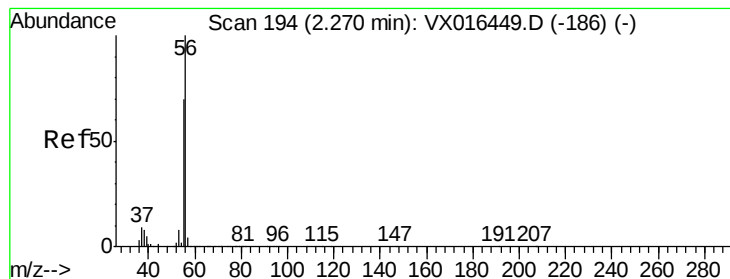
100

50

0

Time-->





#13

Acrolein

Concen: 0.718 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

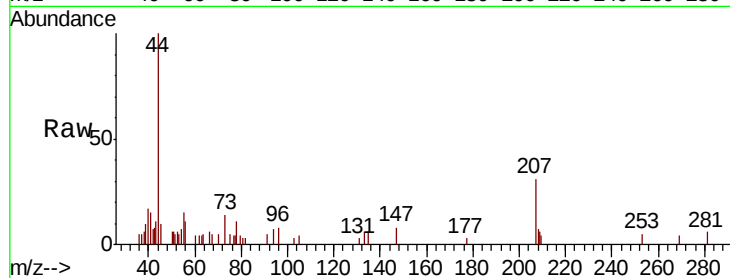
SS050MW638-200528

Tot Ion: 56 Resp: 258

Ion Ratio Lower Upper

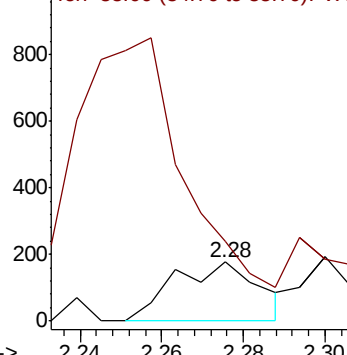
56 100

55 615.9 58.3 87.5#

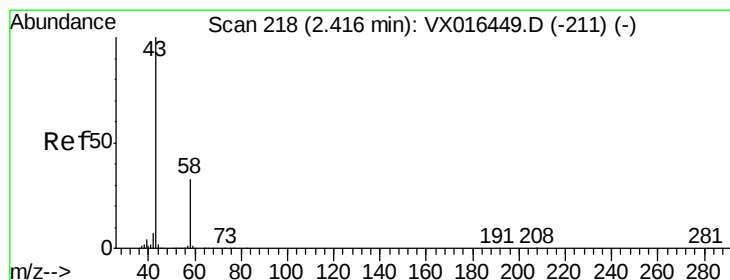
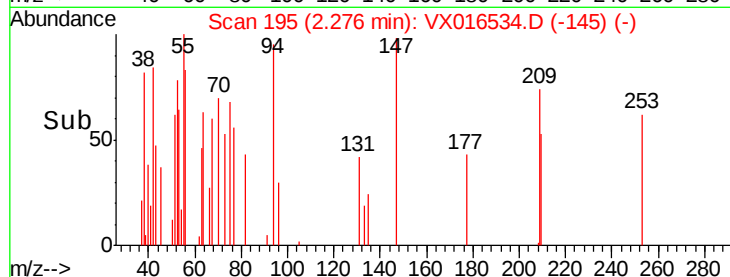


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 3.902 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016534.D

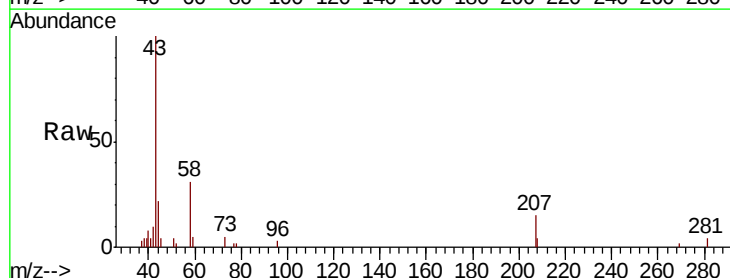
Acq: 01 Jun 2020 17:15

Tgt Ion: 43 Resp: 5632

Ion Ratio Lower Upper

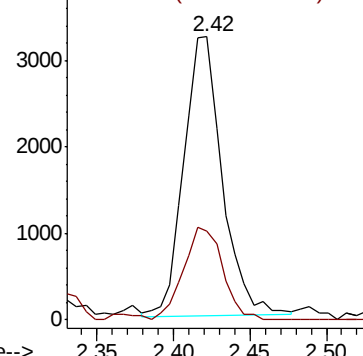
43 100

58 32.2 26.1 39.1

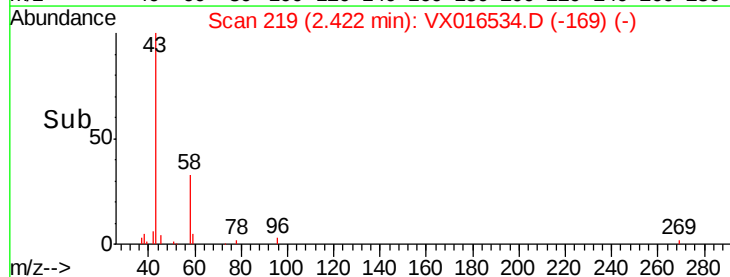


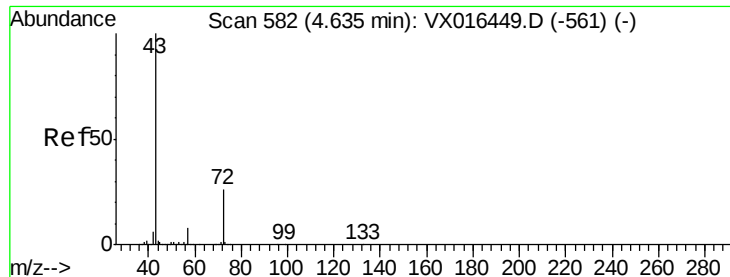
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#25

2-Butanone

Concen: 0.495 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

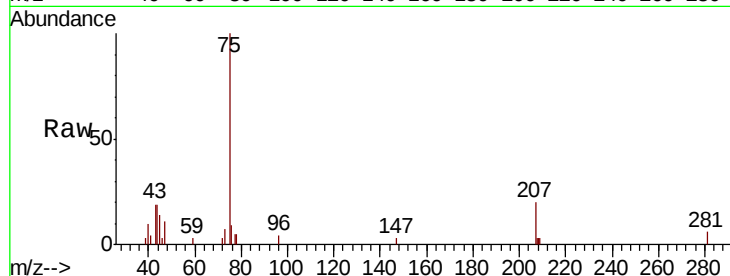
SS050MW638-200528

Tot Ion: 43 Resp: 1211

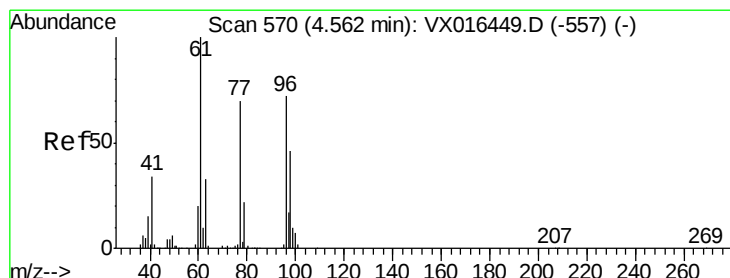
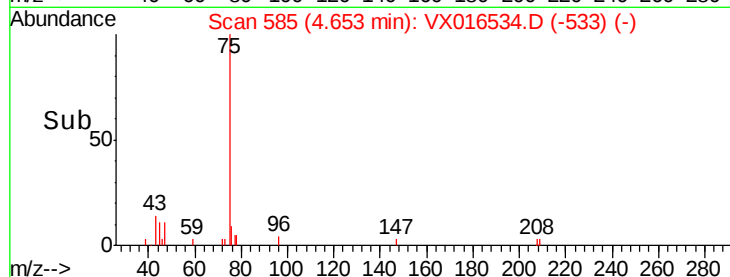
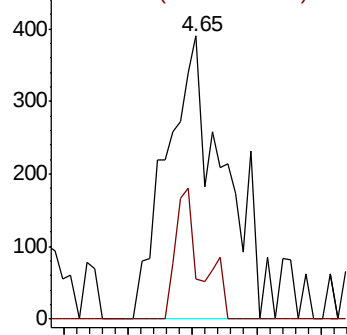
Ion Ratio Lower Upper

43 100

72 14.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.173 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

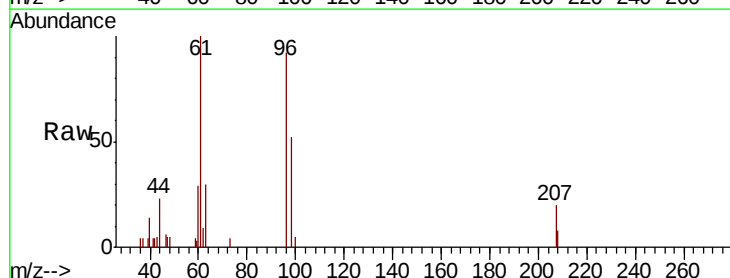
Tgt Ion: 96 Resp: 3832

Ion Ratio Lower Upper

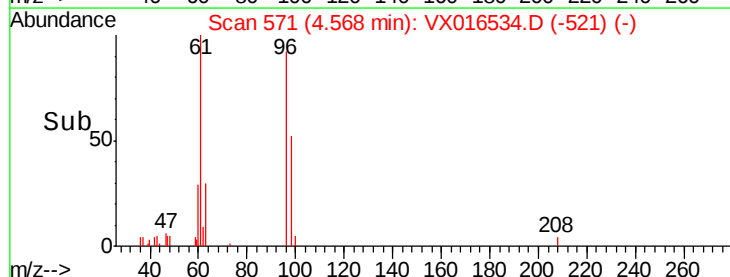
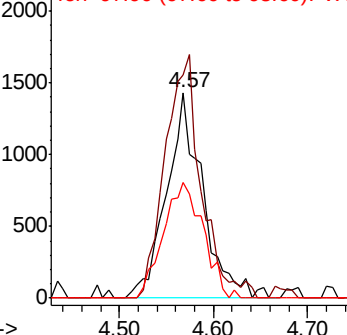
96 100

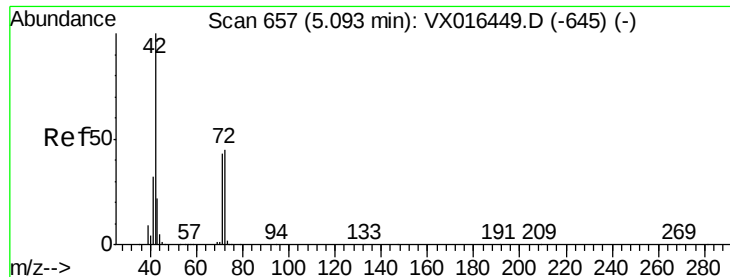
61 118.1 0.0 284.6

98 62.1 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VX0





#29

Tetrahydrofuran

Concen: 0.277 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-200528

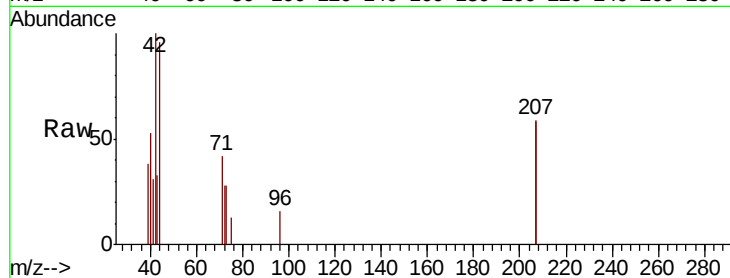
Tot Ion: 42 Resp: 438

Ion Ratio Lower Upper

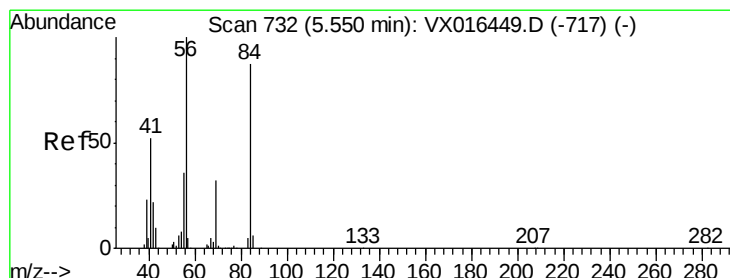
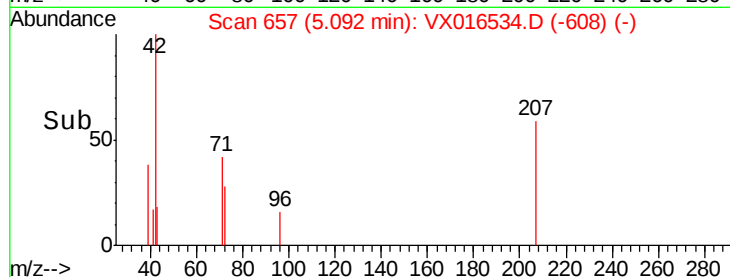
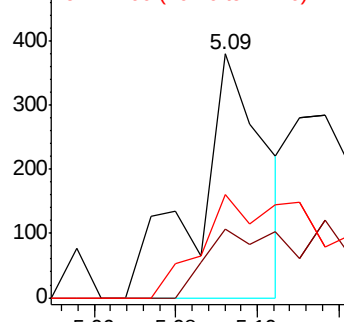
42 100

72 34.0 37.0 55.4#

71 84.5 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: 1.071 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

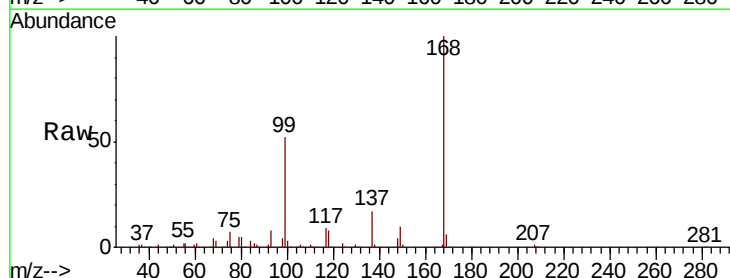
Tgt Ion: 56 Resp: 4904

Ion Ratio Lower Upper

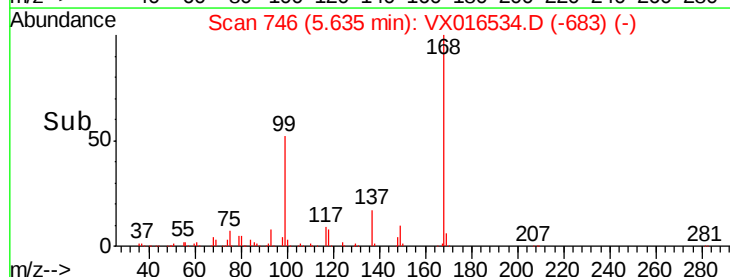
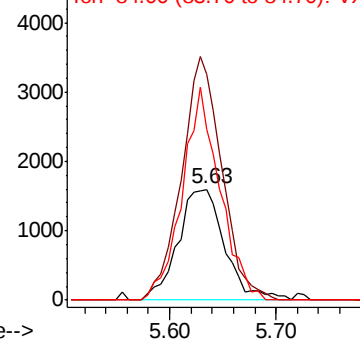
56 100

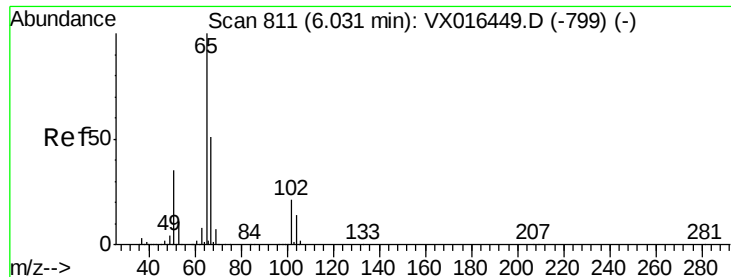
69 204.5 25.7 38.5#

84 155.0 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: 47.691 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

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ClientSampleId :

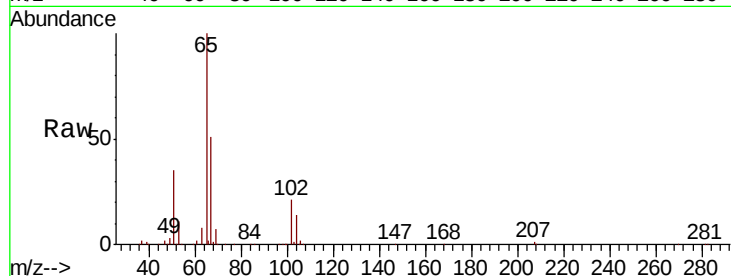
SS050MW638-200528

Tot Ion: 65 Resp: 157117

Ion Ratio Lower Upper

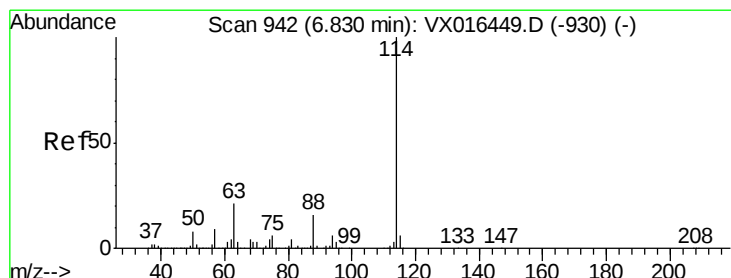
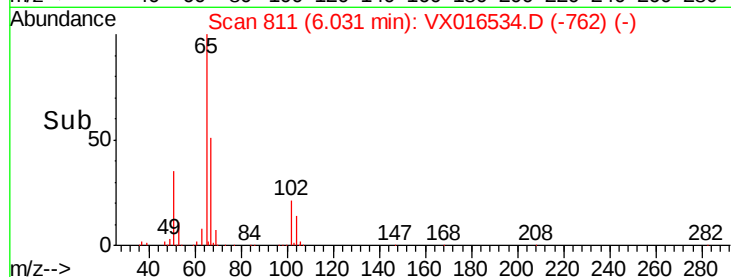
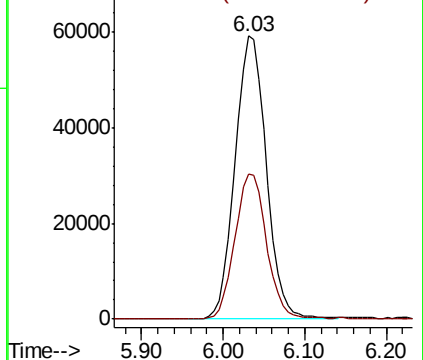
65 100

67 51.8 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

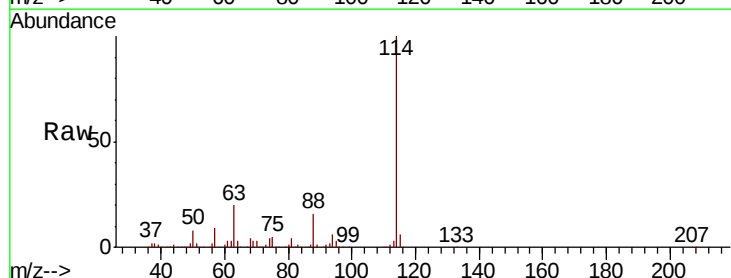
Tgt Ion: 114 Resp: 427772

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

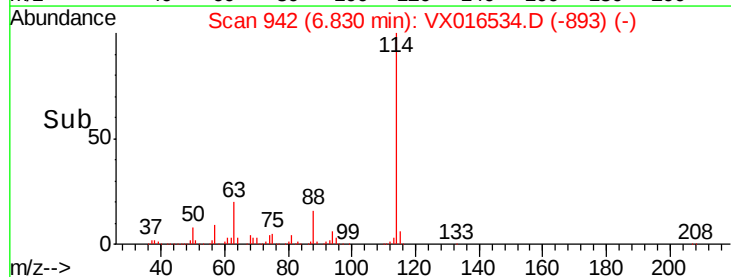
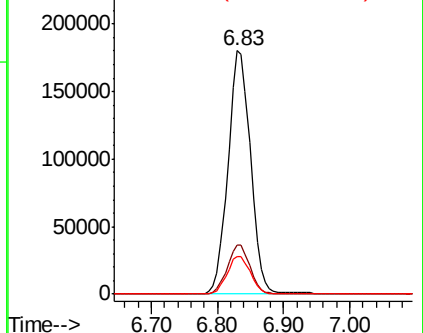
88 15.7 0.0 32.8

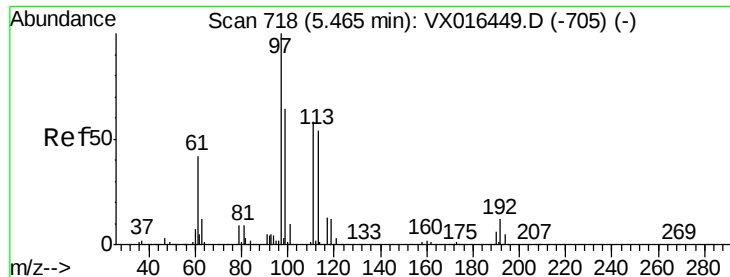


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

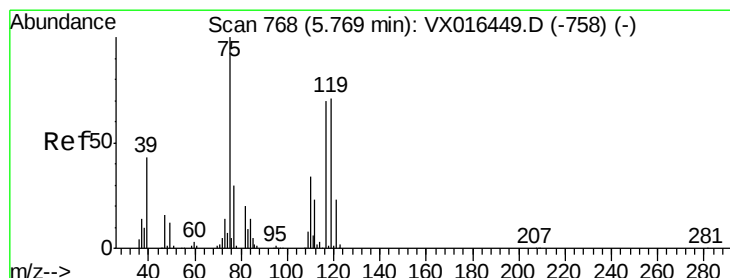
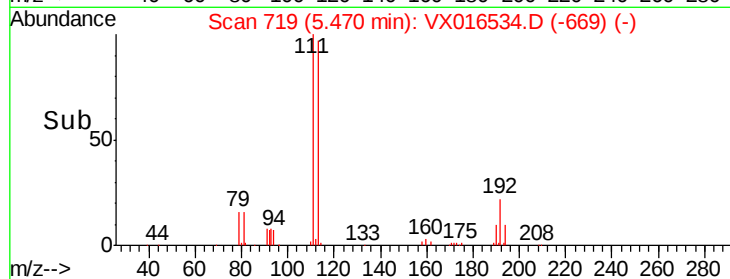
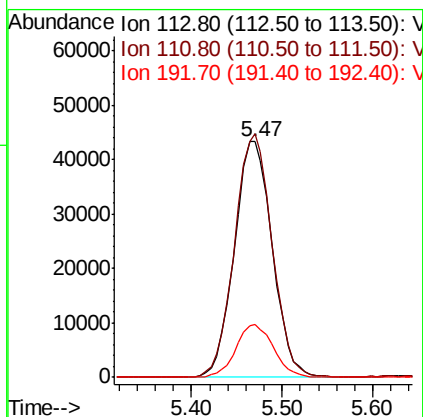
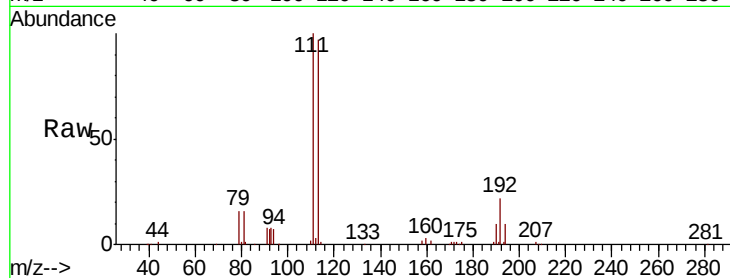




#35
 Dibromofluoromethane
 Concen: 47.711 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016534.D
 Acq: 01 Jun 2020 17:15

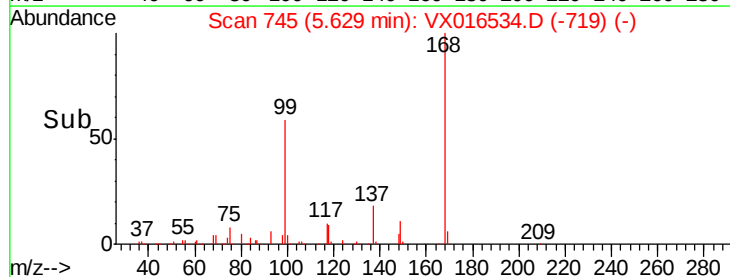
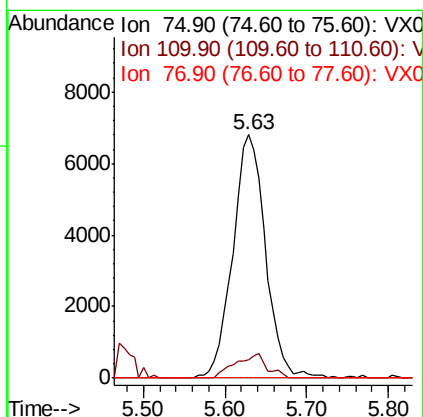
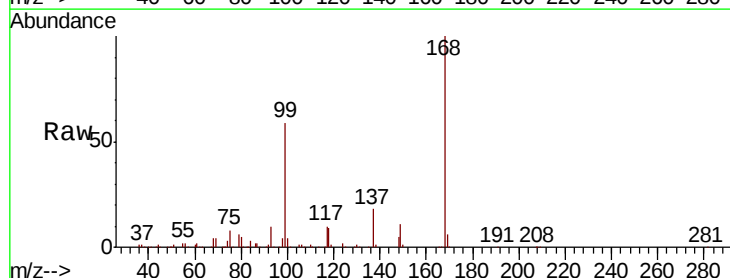
Instrument :
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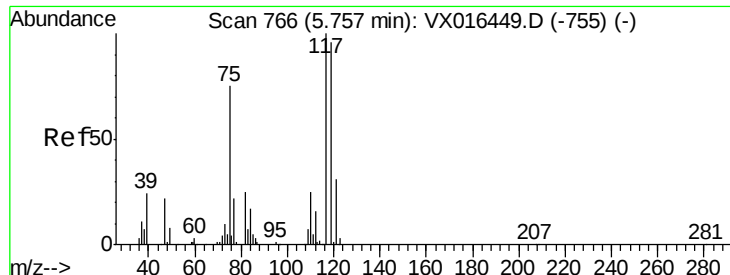
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.6
192	22.3	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016534.D
 Acq: 01 Jun 2020 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-200528

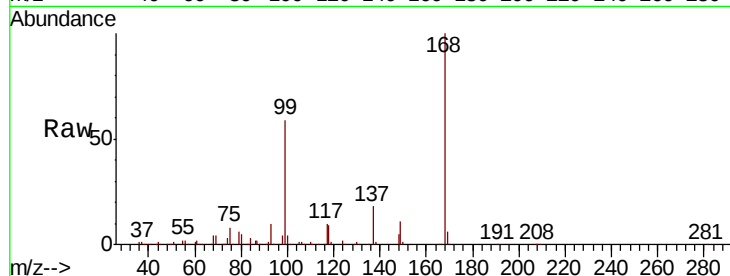
Tot Ion:117 Resp: 25272

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

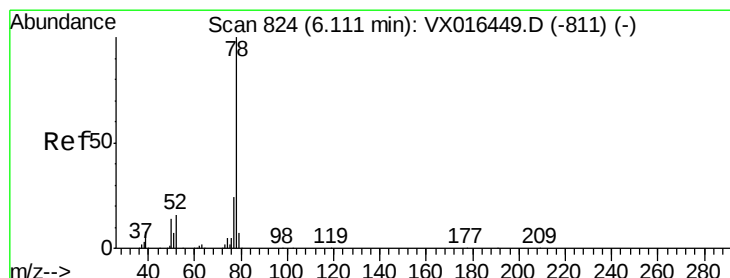
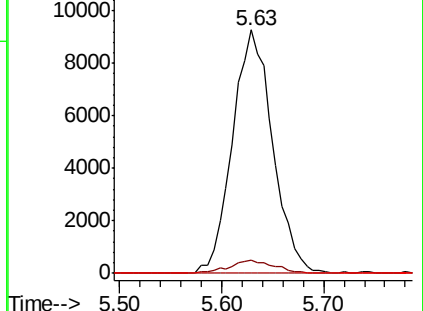
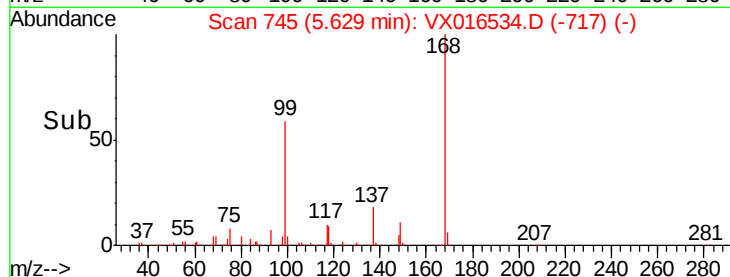
121 0.0 24.6 37.0#



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



#40

Benzene

Concen: 0.442 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX016534.D

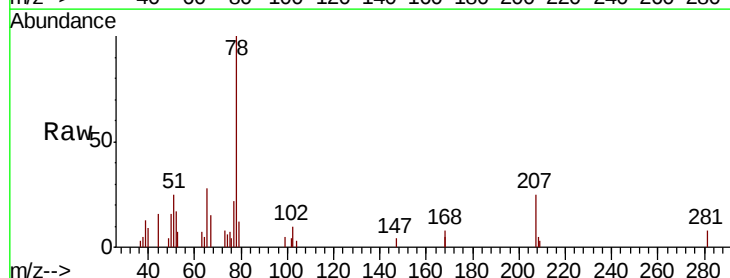
Acq: 01 Jun 2020 17:15

Tgt Ion: 78 Resp: 5331

Ion Ratio Lower Upper

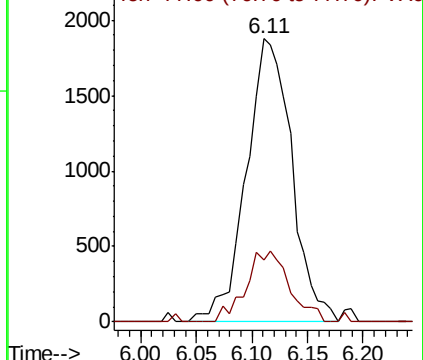
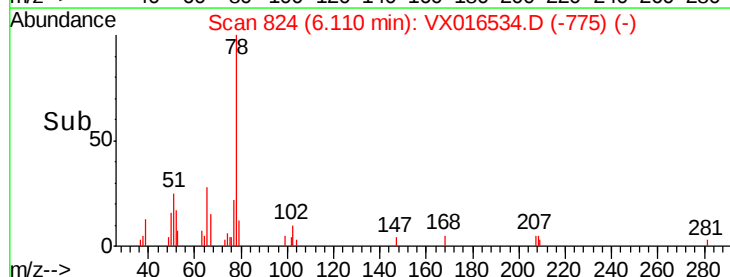
78 100

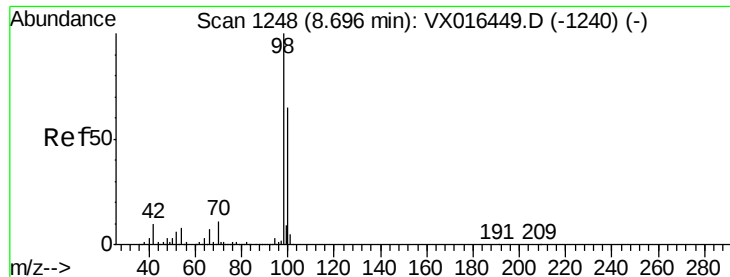
77 21.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 52.205 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

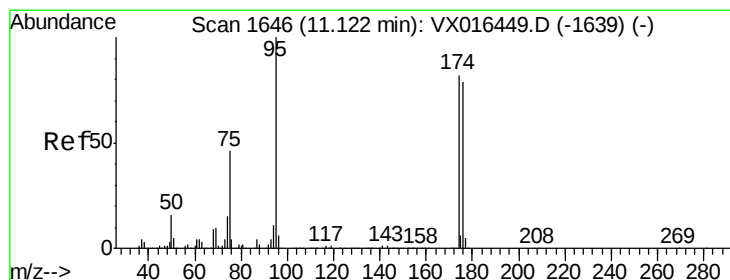
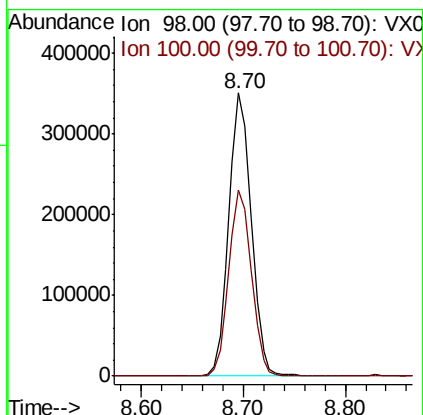
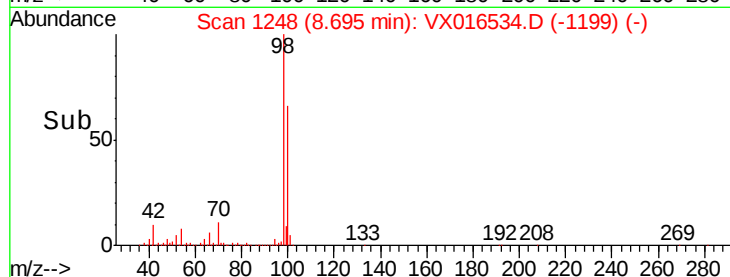
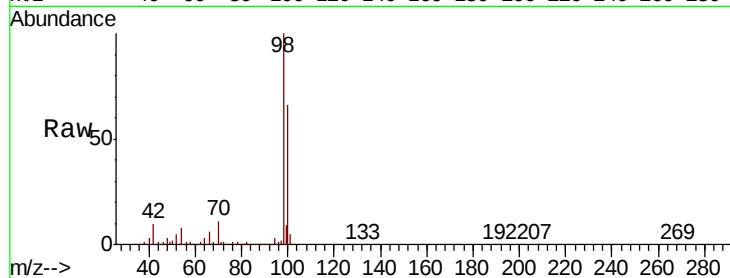
SS050MW638-200528

Tot Ion: 98 Resp: 535211

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.451 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

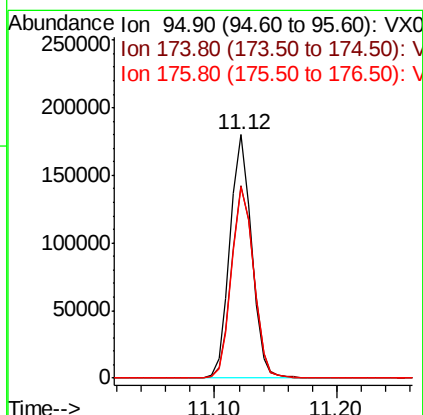
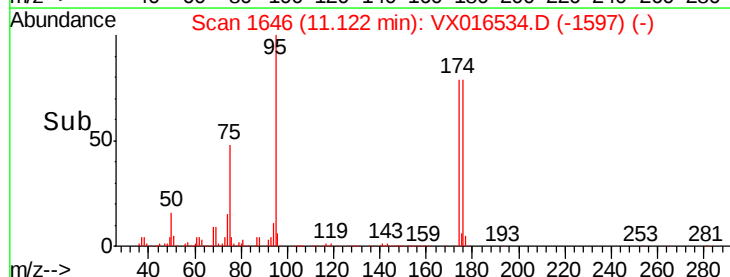
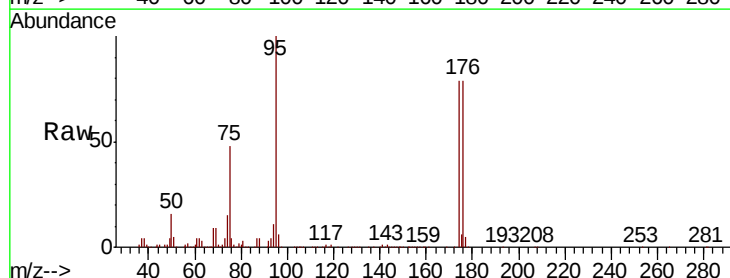
Tgt Ion: 95 Resp: 219661

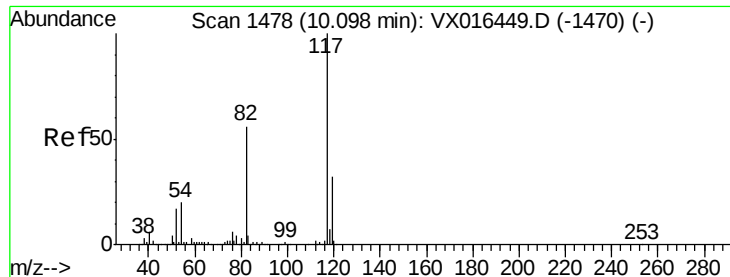
Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.0

176 80.0 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: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-200528

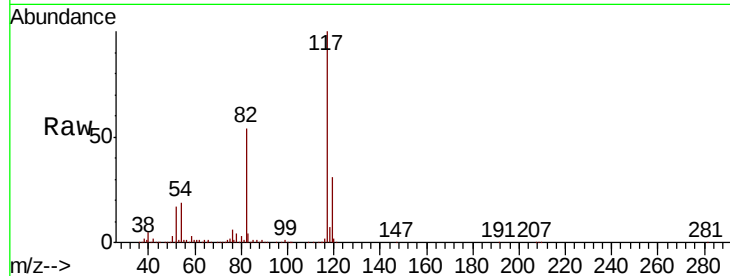
Tot Ion:117 Resp: 428837

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.6

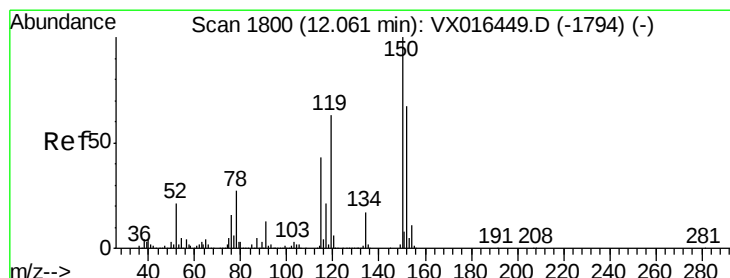
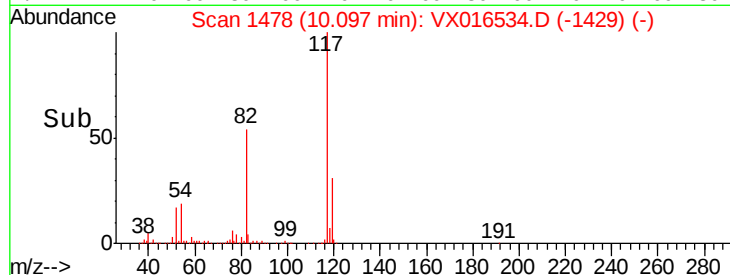
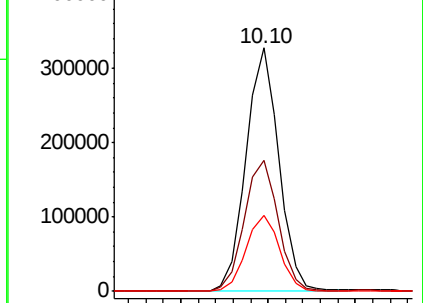
119 31.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

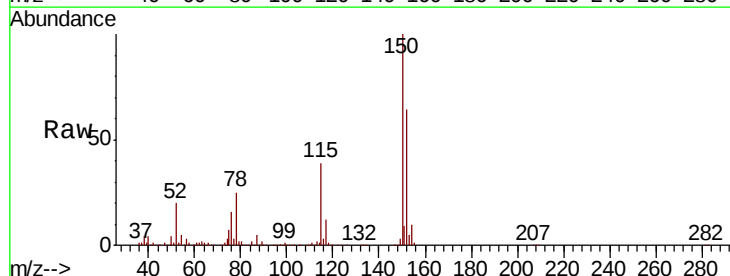
Tgt Ion:152 Resp: 228647

Ion Ratio Lower Upper

152 100

115 59.8 39.9 119.6

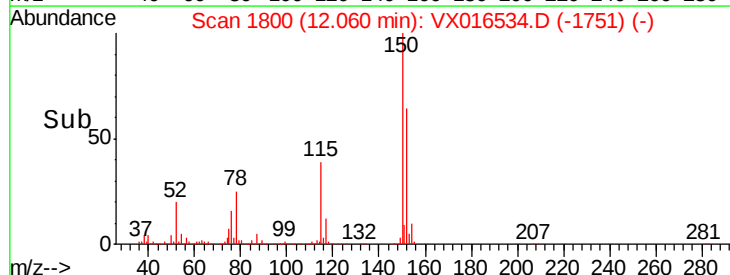
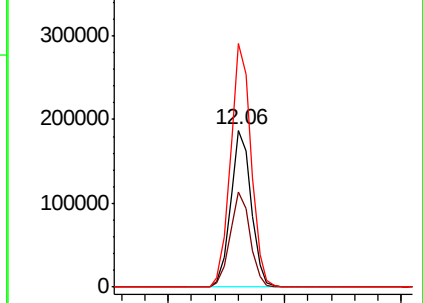
150 156.1 0.0 341.0

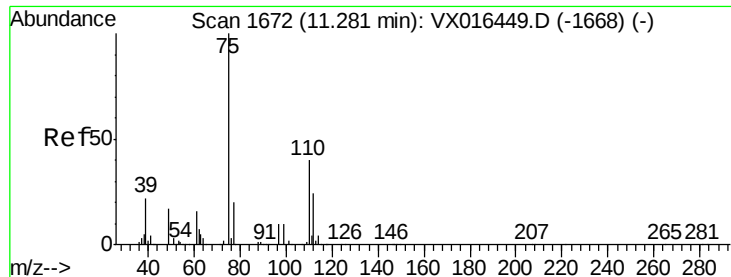


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.366 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

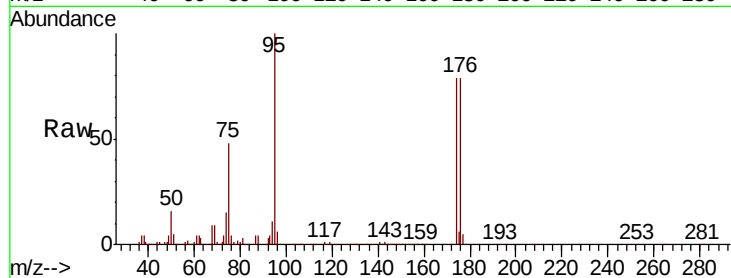
SS050MW638-200528

Tot Ion: 75 Resp: 107380

Ion Ratio Lower Upper

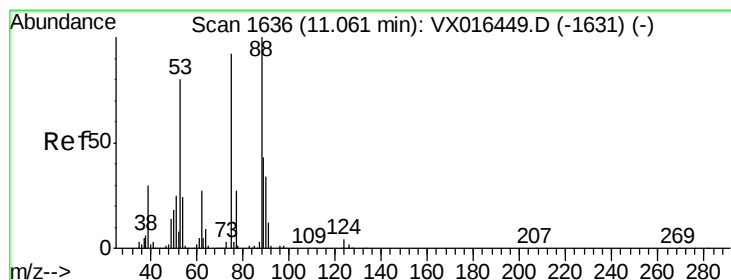
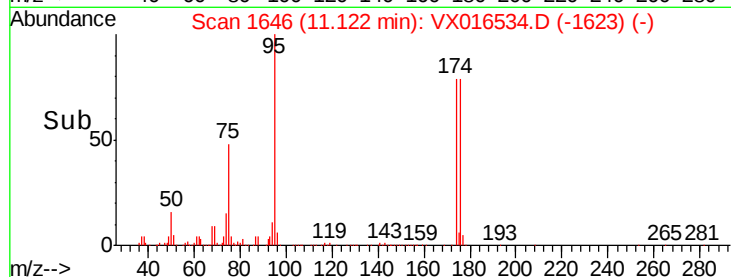
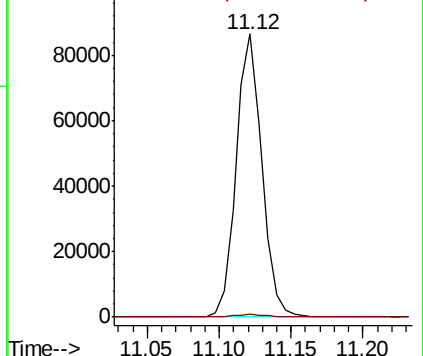
75 100

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: 52.557 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016534.D

Acq: 01 Jun 2020 17:15

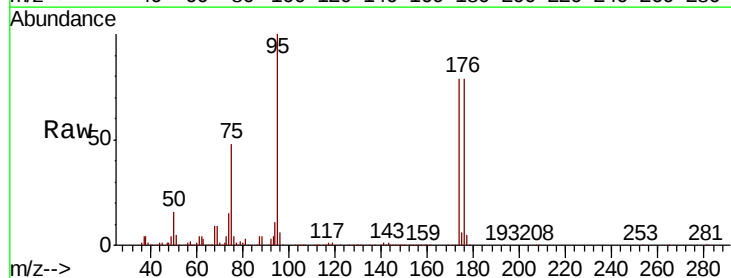
Tgt Ion: 75 Resp: 107380

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

