

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016525.D
 Acq On : 01 Jun 2020 13:50
 Operator : JC/SP
 Sample : L2802-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-200527

Quant Time: Jun 02 01:47:20 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	288358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	460192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246736	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	165980	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.46	113	134313	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.70	98	573403	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.12	95	241592	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	

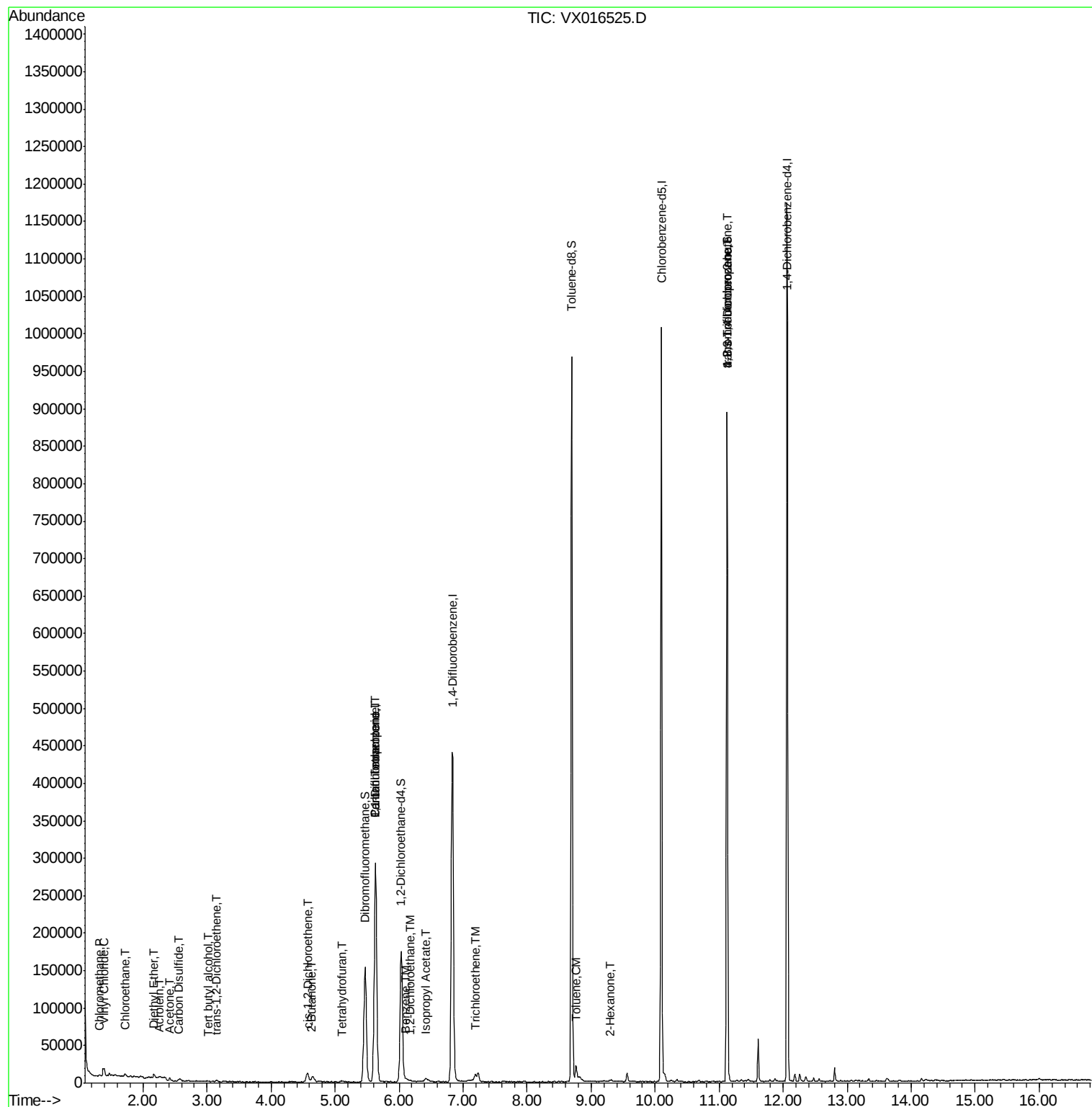
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	792	0.231	ug/l #	81
4) Vinyl Chloride	1.39	62	5883	1.622	ug/l	90
6) Chloroethane	1.72	64	2202	1.041	ug/l #	85
8) Diethyl Ether	2.17	74	2280	1.148	ug/l	88
11) Tert butyl alcohol	3.02	59	1058	1.152	ug/l #	77
13) Acrolein	2.26	56	224	0.573	ug/l #	77
16) Acetone	2.42	43	4390	2.798	ug/l	99
17) Carbon Disulfide	2.56	76	4426	0.537	ug/l #	92
21) trans-1,2-Dichloroethene	3.14	96	1259	0.410	ug/l #	64
25) 2-Butanone	4.63	43	859	0.323	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	8108	2.284	ug/l	88
29) Tetrahydrofuran	5.10	42	1298	0.756	ug/l #	92
36) 1,1-Dichloropropene	5.63	75	20112	4.616	ug/l #	51
38) Carbon Tetrachloride	5.62	117	27198	5.940	ug/l #	16
40) Benzene	6.11	78	3229	0.249	ug/l	92
42) 1,2-Dichloroethane	6.18	62	1695	0.367	ug/l	92
43) Isopropyl Acetate	6.41	43	2110	0.259	ug/l #	59
44) Trichloroethene	7.19	130	3463	0.841	ug/l	96
52) Toluene	8.77	92	6526	0.798	ug/l	99
59) 2-Hexanone	9.29	43	866	0.219	ug/l	66
76) 1,2,3-Trichloropropane	11.12	75	115071	21.218	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	115071	52.192	ug/l #	14

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

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Quant Title : SW846 8260
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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: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

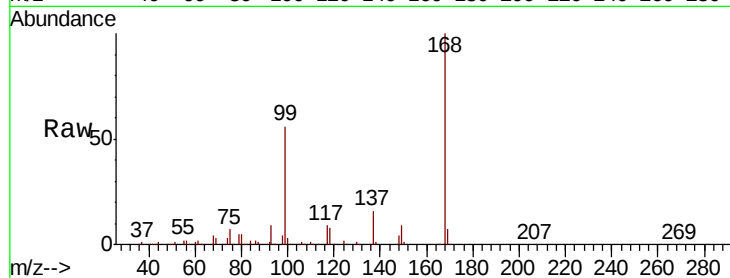
SS050MW513-200527

Tot Ion:168 Resp: 288358

Ion Ratio Lower Upper

168 100

99 56.3 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

120000

100000

80000

60000

40000

20000

0

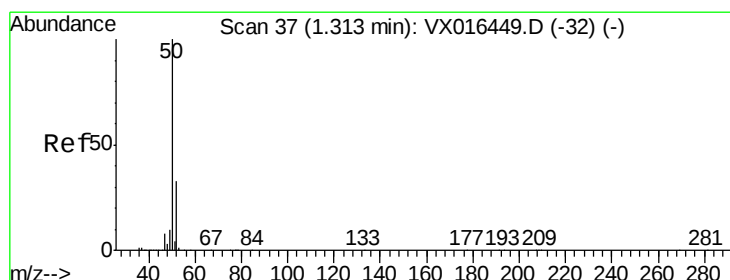
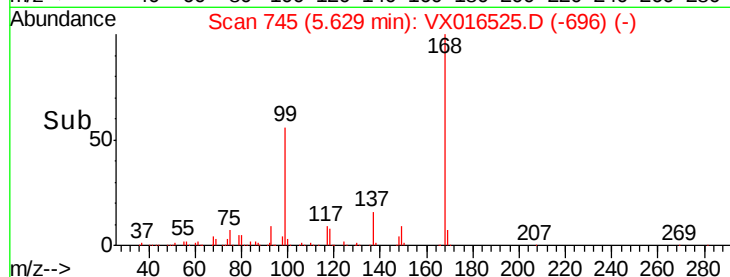
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.231 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016525.D

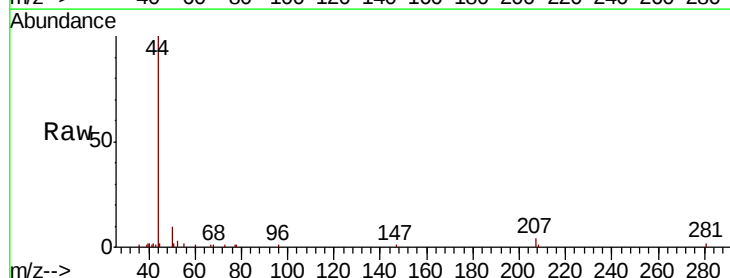
Acq: 01 Jun 2020 13:50

Tgt Ion: 50 Resp: 792

Ion Ratio Lower Upper

50 100

52 21.9 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

800

600

400

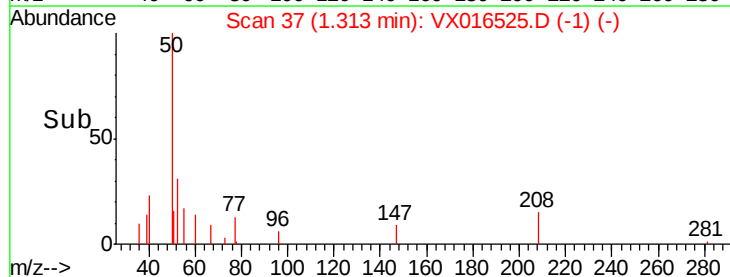
200

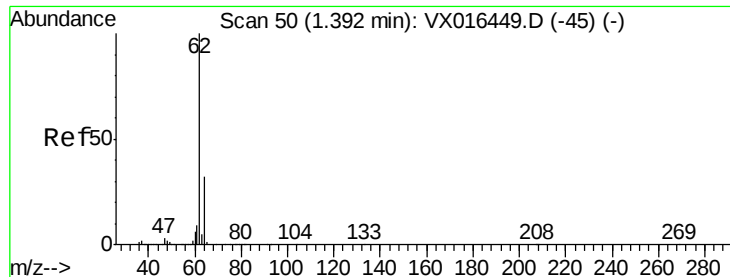
0

Time-->

1.30

1.35





#4

Vinyl Chloride

Concen: 1.622 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

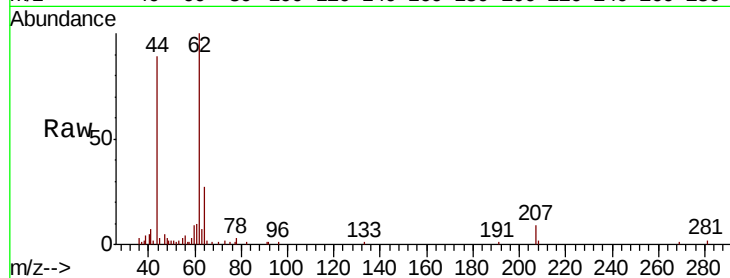
SS050MW513-200527

Tot Ion: 62 Resp: 5883

Ion Ratio Lower Upper

62 100

64 27.0 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

6000

4000

2000

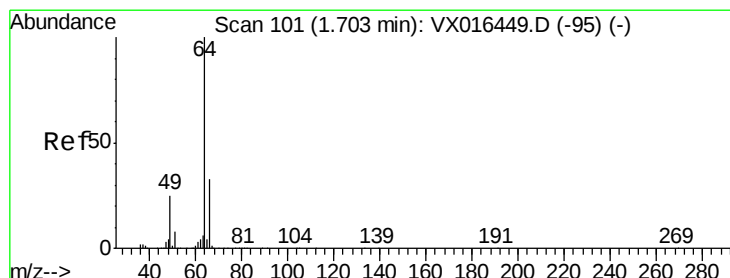
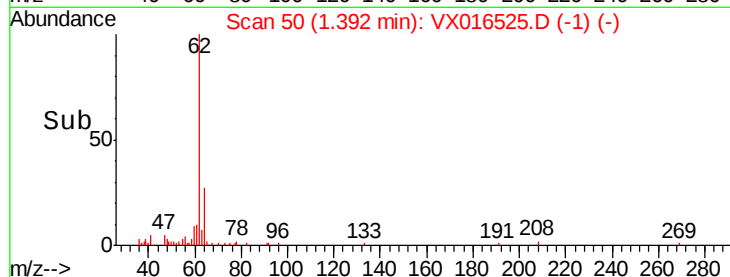
0

Time-->

1.35

1.40

1.45



#6

Chloroethane

Concen: 1.041 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016525.D

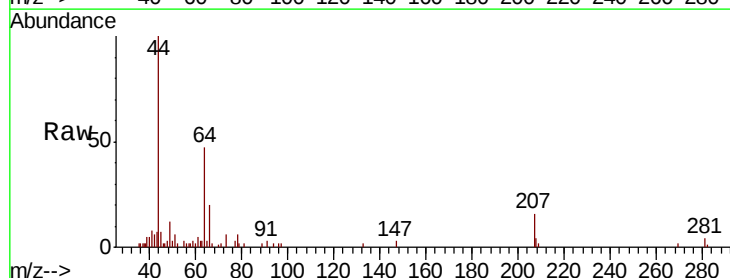
Acq: 01 Jun 2020 13:50

Tgt Ion: 64 Resp: 2202

Ion Ratio Lower Upper

64 100

66 42.1 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

1000

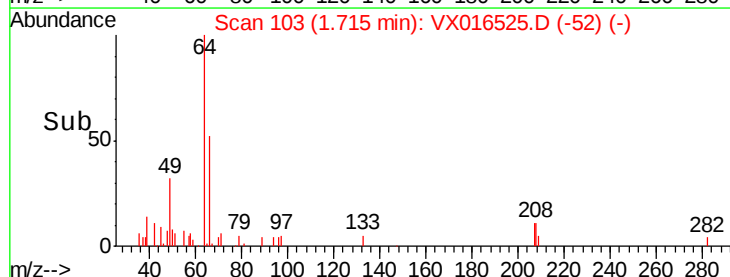
500

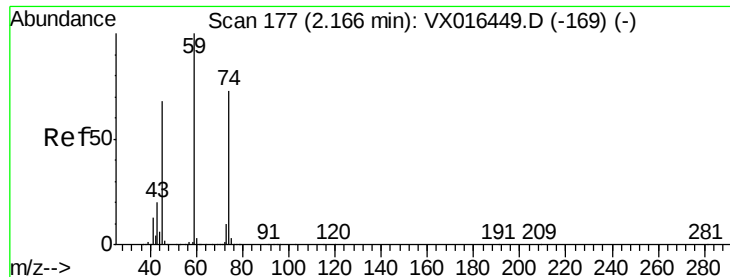
0

Time-->

1.70

1.75





#8

Diethyl Ether

Concen: 1.148 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

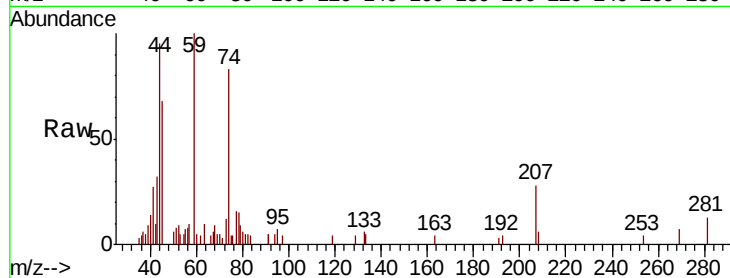
SS050MW513-200527

Tot Ion: 74 Resp: 2280

Ion Ratio Lower Upper

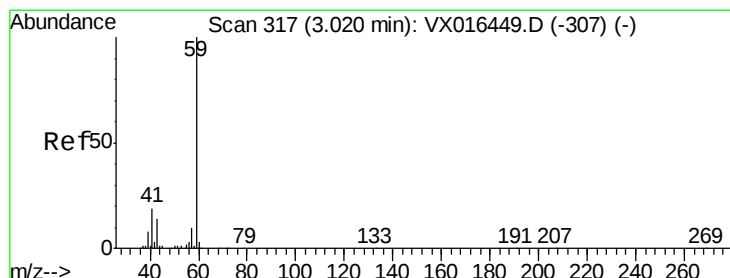
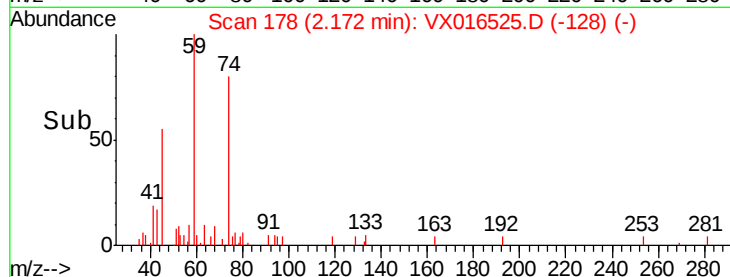
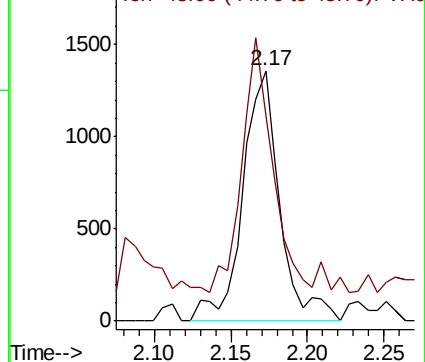
74 100

45 83.0 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.152 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX016525.D

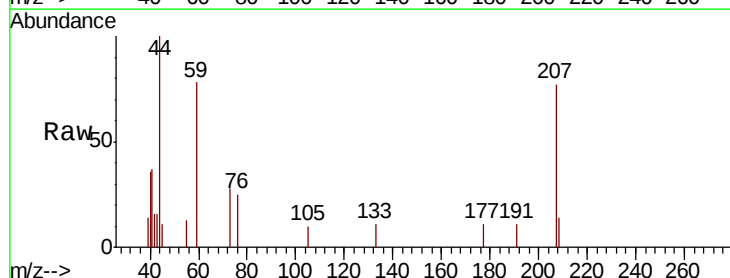
Acq: 01 Jun 2020 13:50

Tgt Ion: 59 Resp: 1058

Ion Ratio Lower Upper

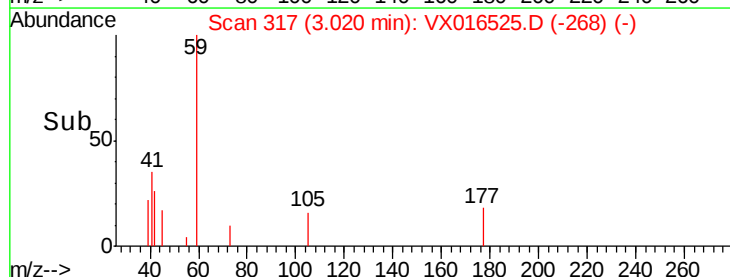
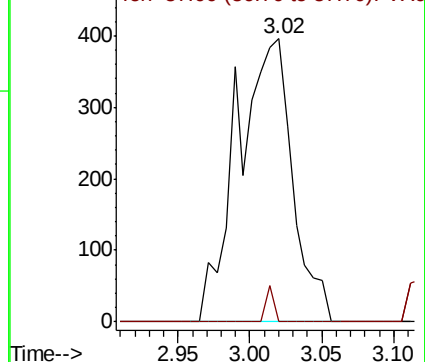
59 100

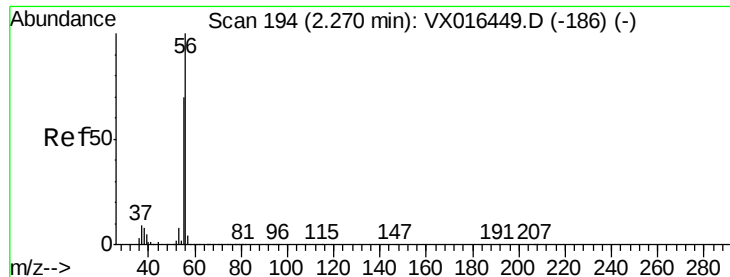
57 1.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.573 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

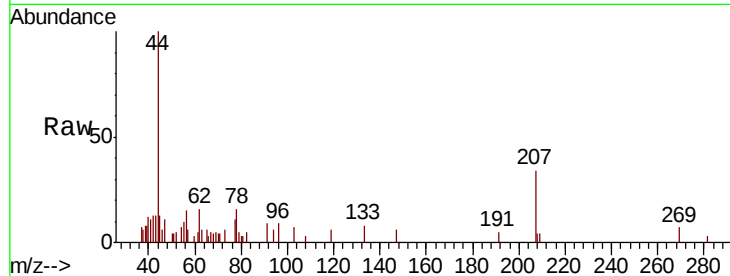
SS050MW513-200527

Tot Ion: 56 Resp: 224

Ion Ratio Lower Upper

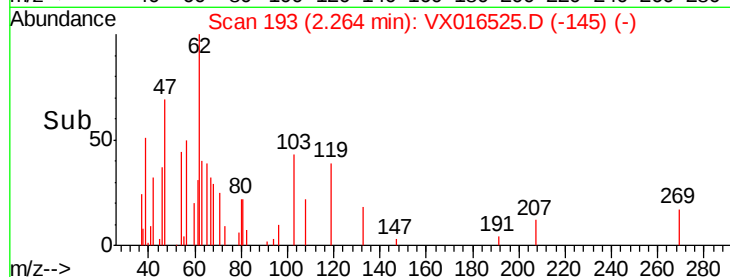
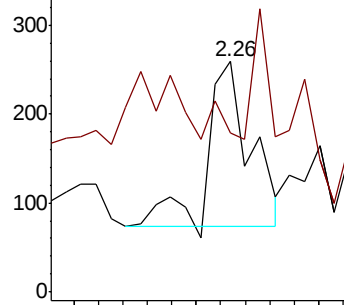
56 100

55 92.4 58.3 87.5#

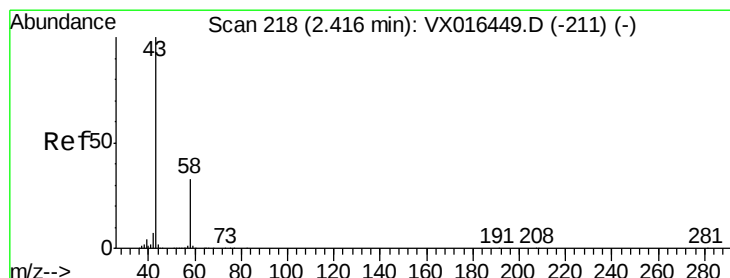


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 2.798 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016525.D

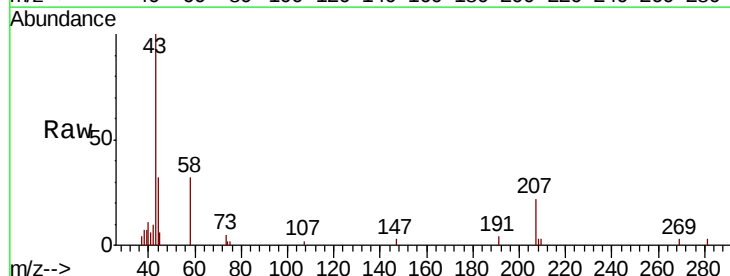
Acq: 01 Jun 2020 13:50

Tgt Ion: 43 Resp: 4390

Ion Ratio Lower Upper

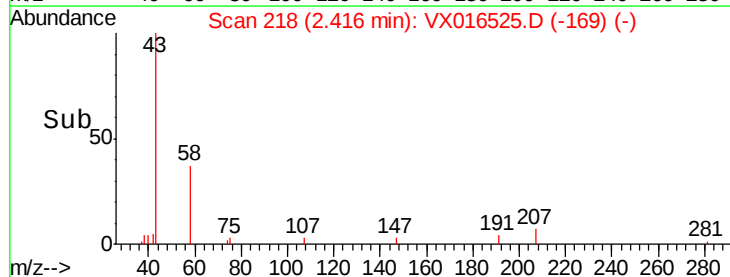
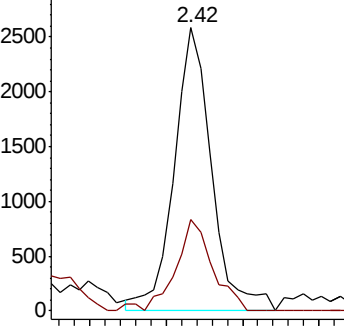
43 100

58 32.2 26.1 39.1

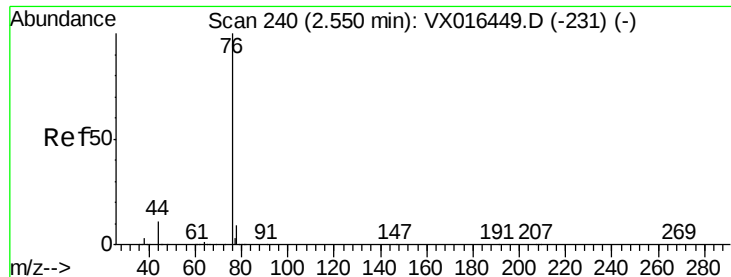


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.537 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

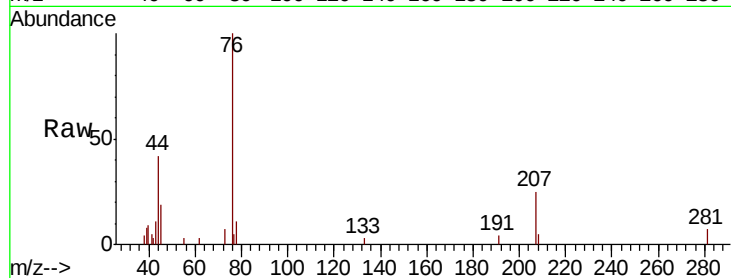
SS050MW513-200527

Tot Ion: 76 Resp: 4426

Ion Ratio Lower Upper

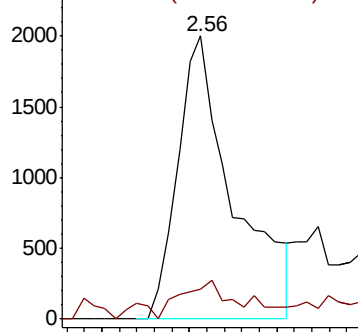
76 100

78 6.3 7.4 11.0#

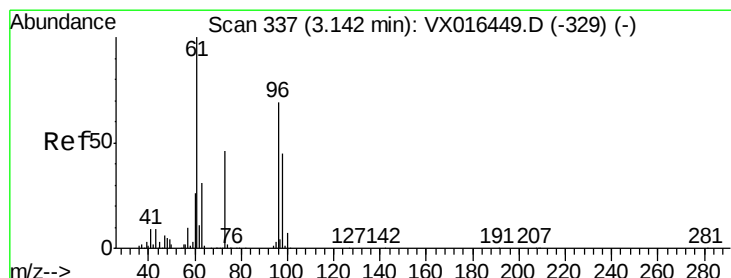
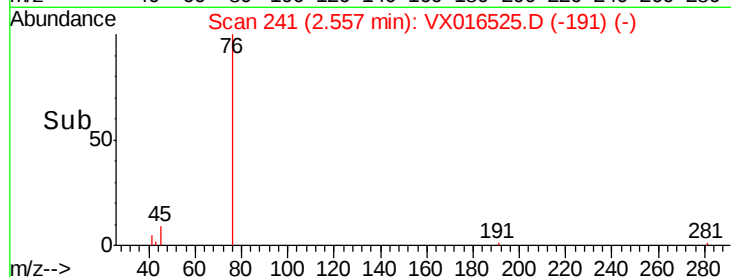


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.410 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

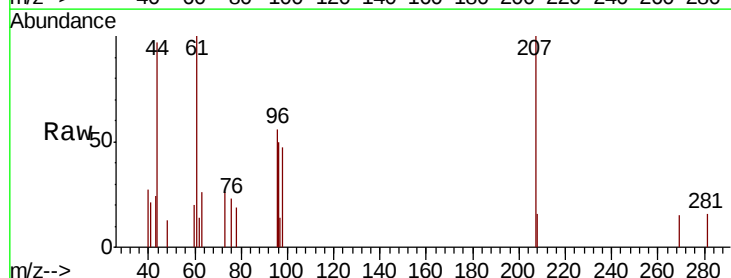
Tgt Ion: 96 Resp: 1259

Ion Ratio Lower Upper

96 100

61 94.4 115.3 172.9#

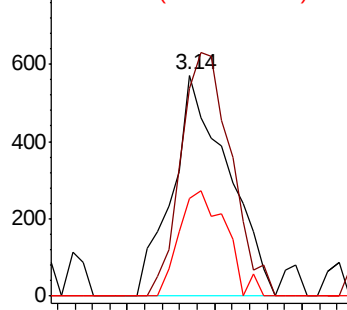
98 44.1 51.9 77.9#



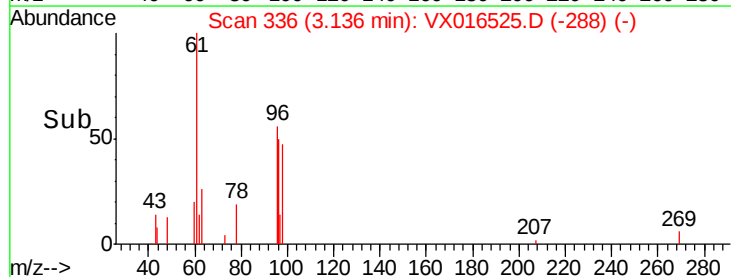
Abundance Ion 95.90 (95.60 to 96.60): VX0

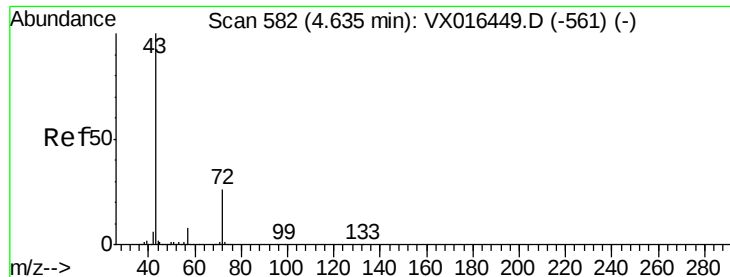
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#25

2-Butanone

Concen: 0.323 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016525.D

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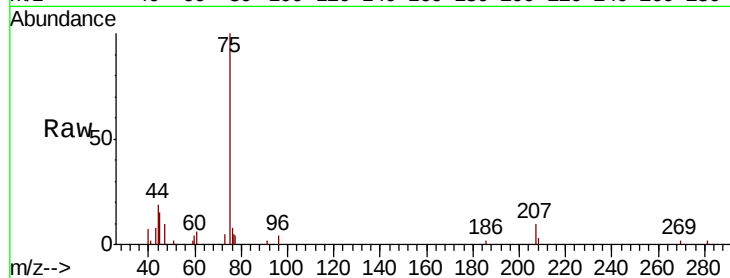
SS050MW513-200527

Tot Ion: 43 Resp: 859

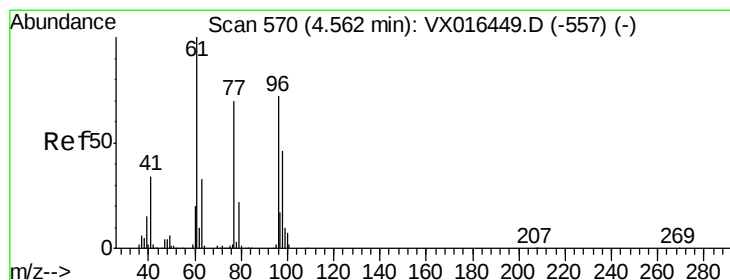
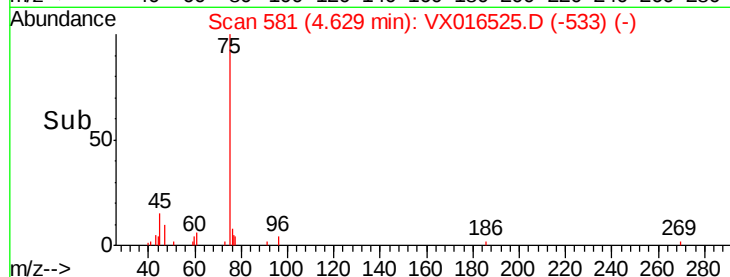
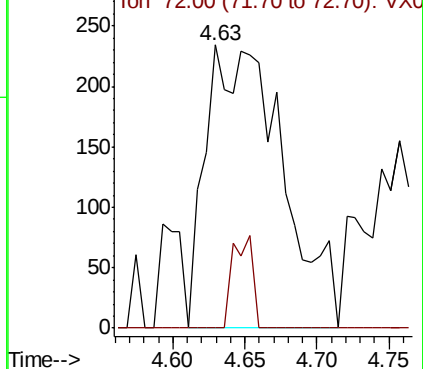
Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.284 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

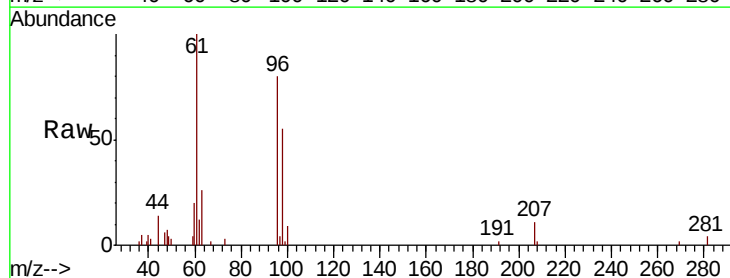
Tgt Ion: 96 Resp: 8108

Ion Ratio Lower Upper

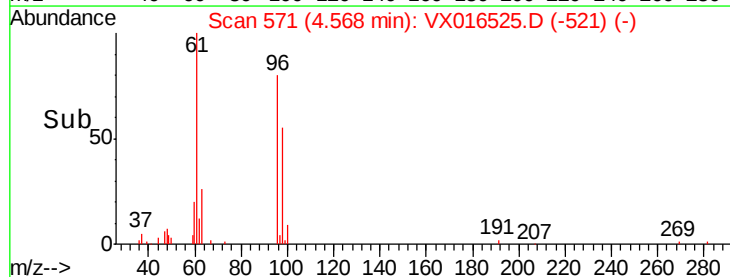
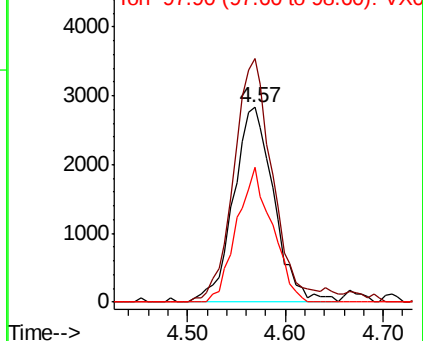
96 100

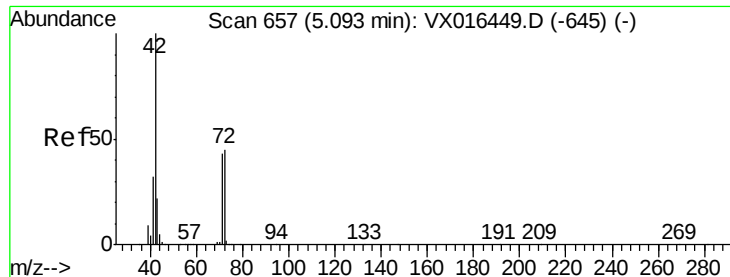
61 122.9 0.0 284.6

98 61.3 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VX0





#29

Tetrahydrofuran

Concen: 0.756 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

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SS050MW513-200527

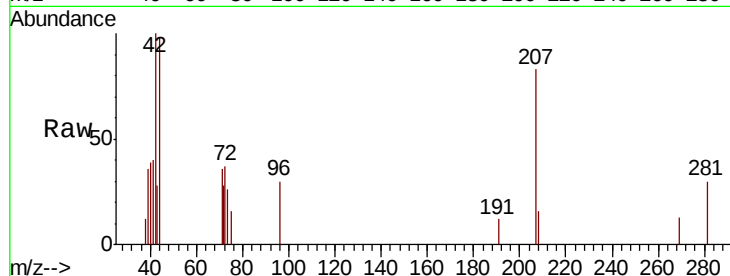
Tot Ion: 42 Resp: 1298

Ion Ratio Lower Upper

42 100

72 47.7 37.0 55.4

71 32.9 34.1 51.1#



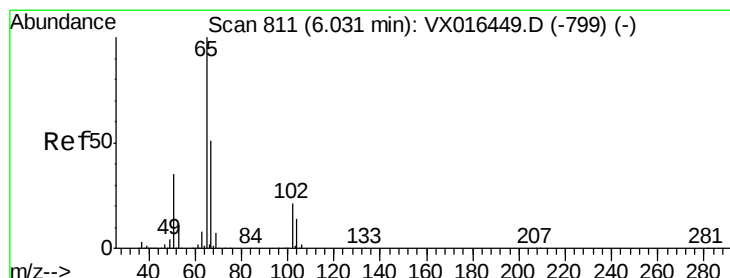
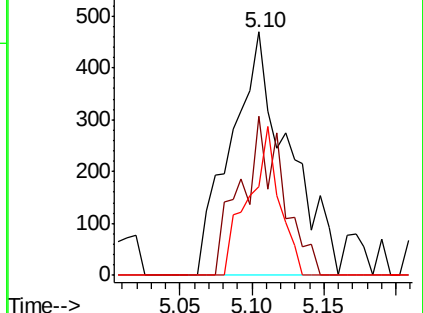
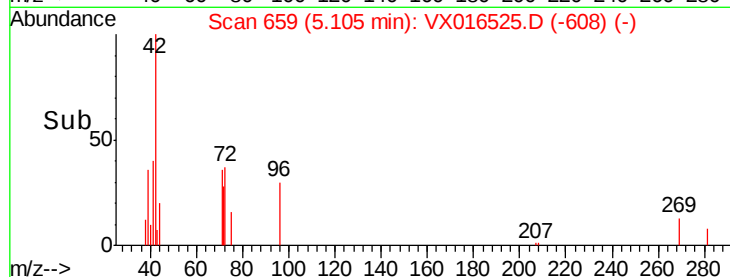
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.350 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016525.D

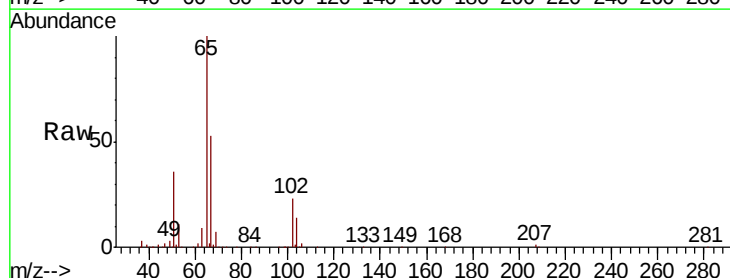
Acq: 01 Jun 2020 13:50

Tgt Ion: 65 Resp: 165980

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8

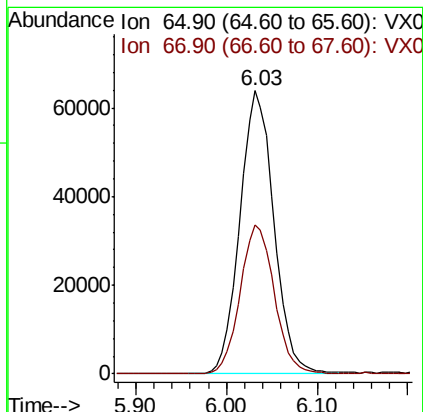
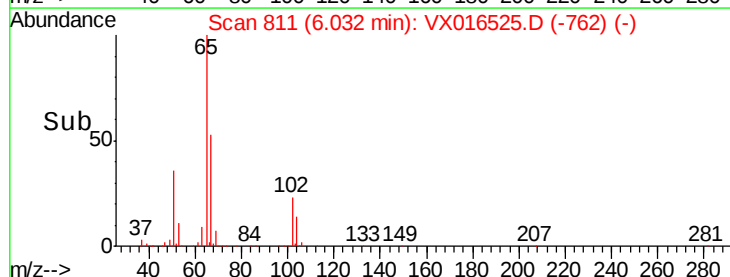


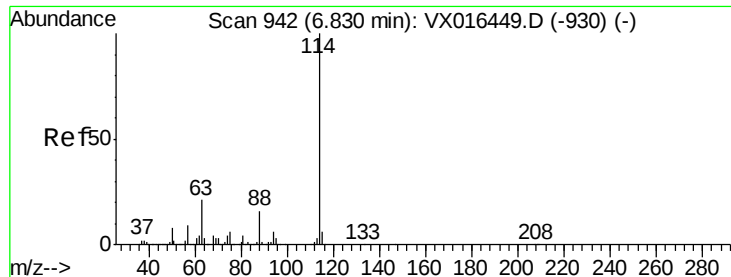
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-200527

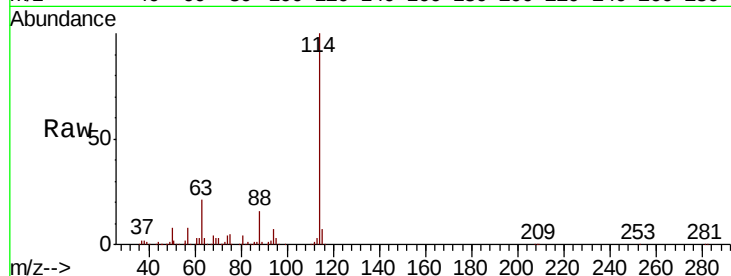
Tot Ion:114 Resp: 460192

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

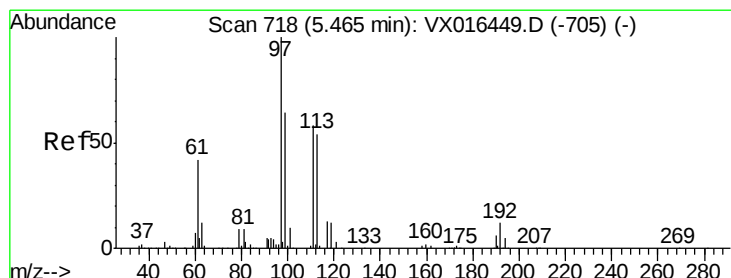
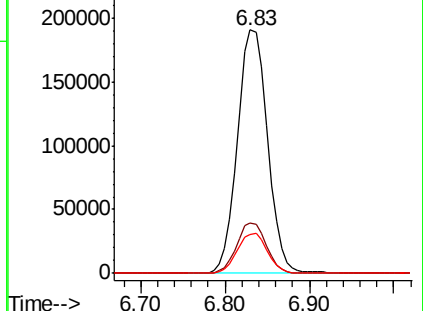
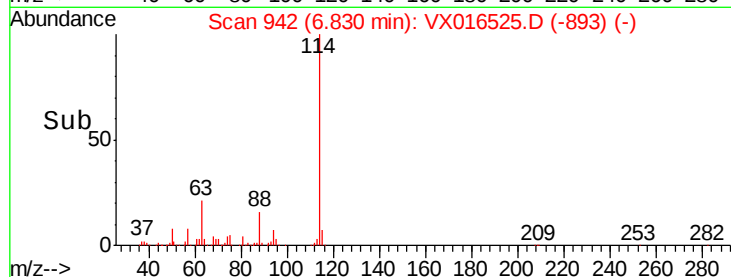
88 16.1 0.0 32.8



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: 47.400 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

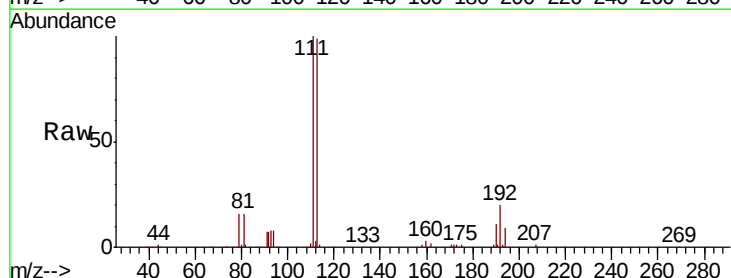
Tgt Ion:113 Resp: 134313

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

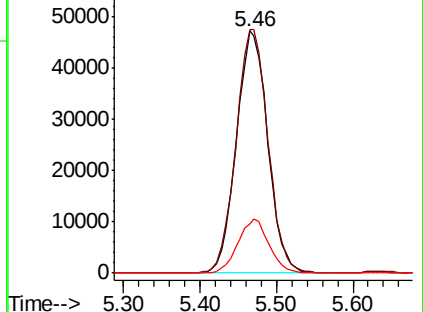
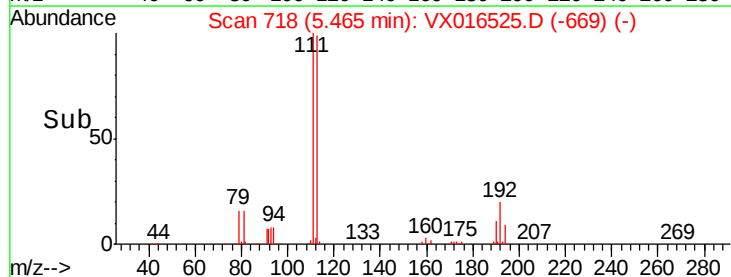
192 22.0 17.7 26.5

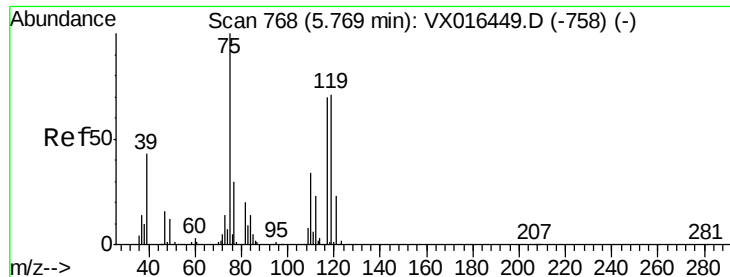


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.616 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-200527

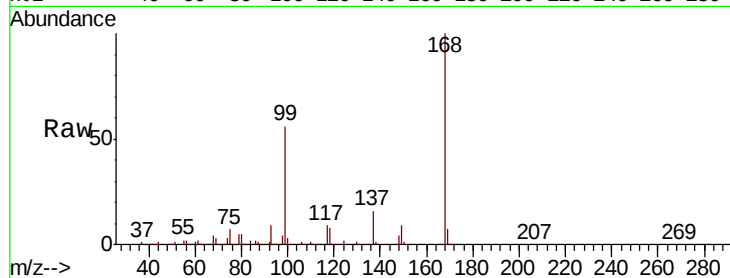
Tot Ion: 75 Resp: 20112

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

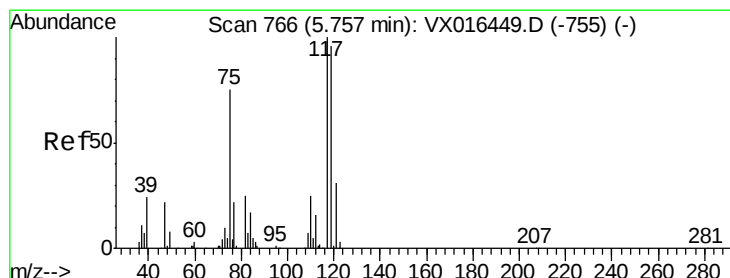
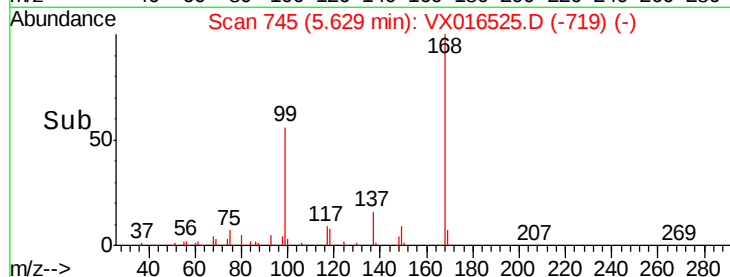
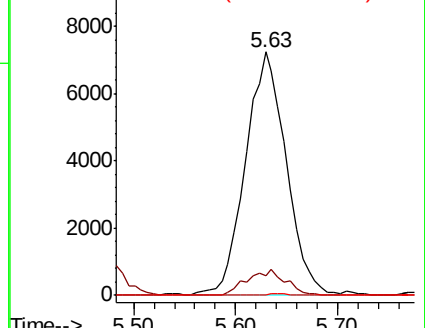
77 0.3 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.940 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

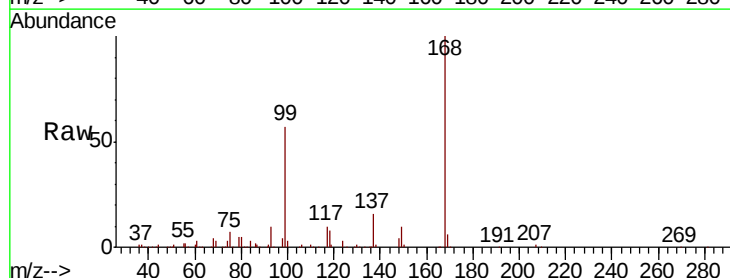
Tgt Ion:117 Resp: 27198

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

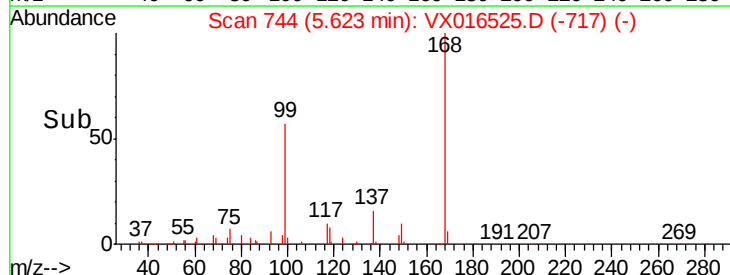
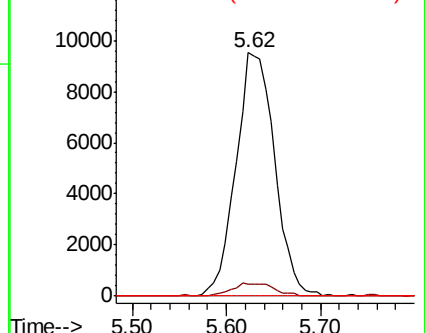
121 0.0 24.6 37.0#

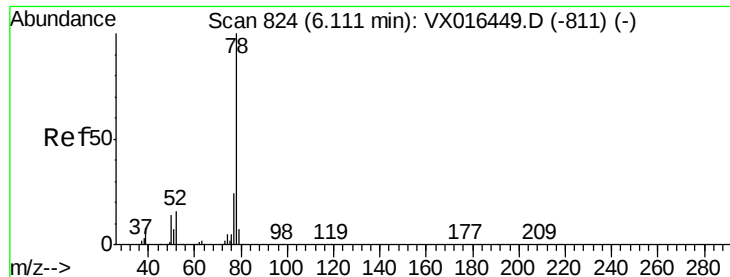


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.249 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

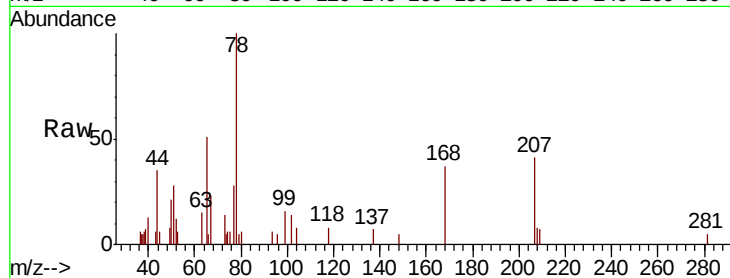
SS050MW513-200527

Tot Ion: 78 Resp: 3229

Ion Ratio Lower Upper

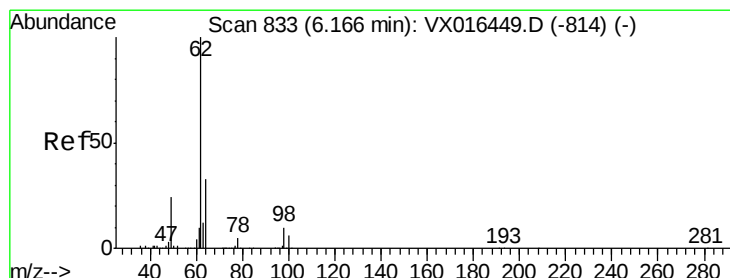
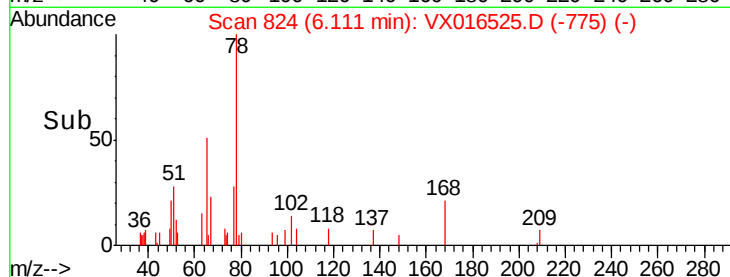
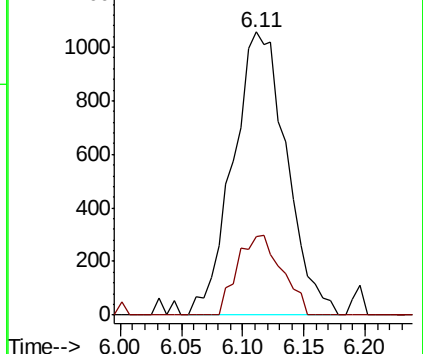
78 100

77 27.5 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 0.367 ug/l

RT: 6.18 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX016525.D

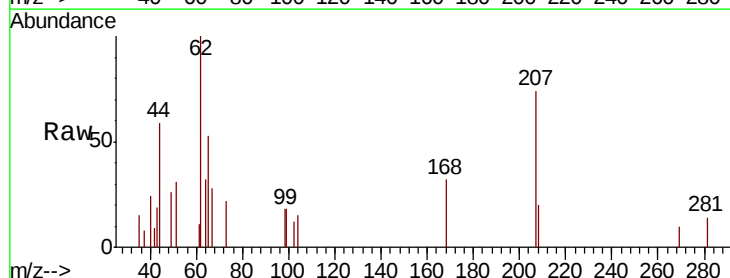
Acq: 01 Jun 2020 13:50

Tgt Ion: 62 Resp: 1695

Ion Ratio Lower Upper

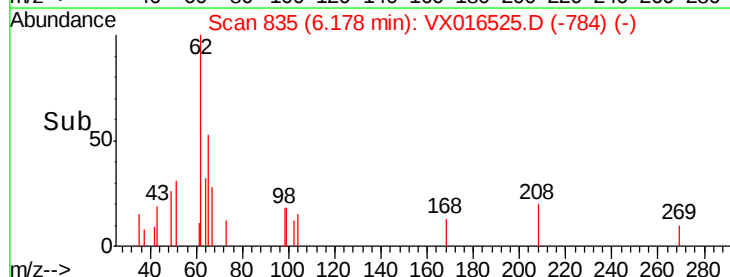
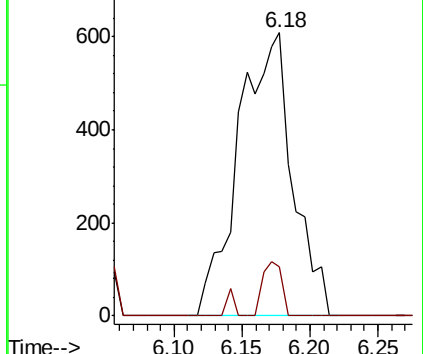
62 100

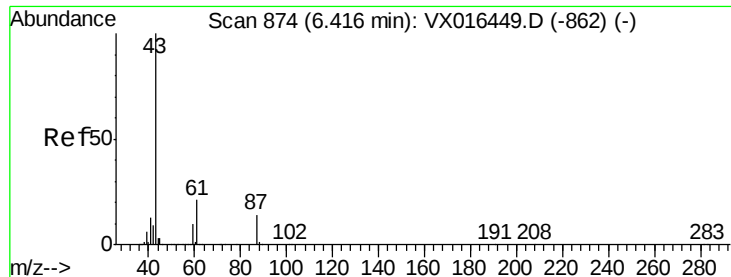
98 6.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.259 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-200527

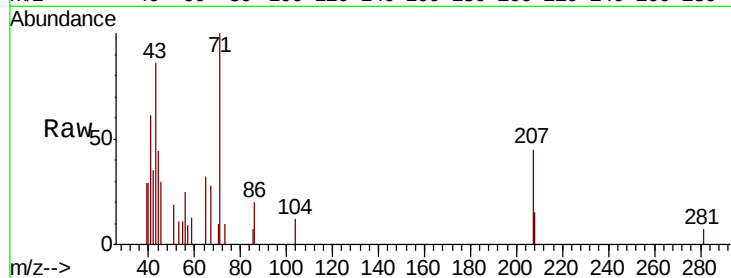
Tot Ion: 43 Resp: 2110

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

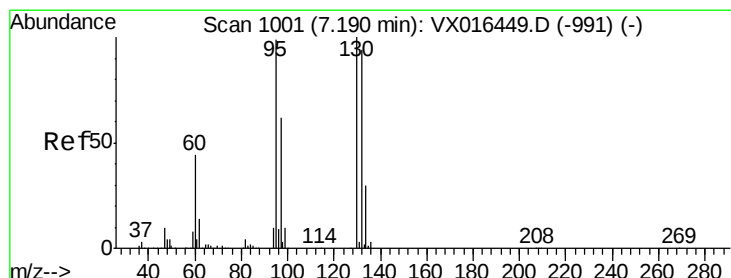
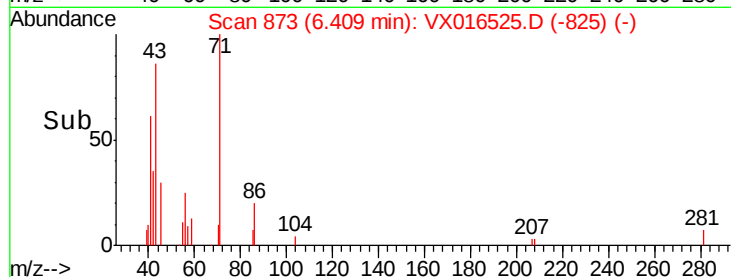
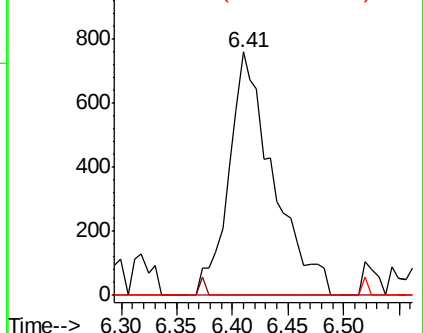
87 0.0 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.841 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016525.D

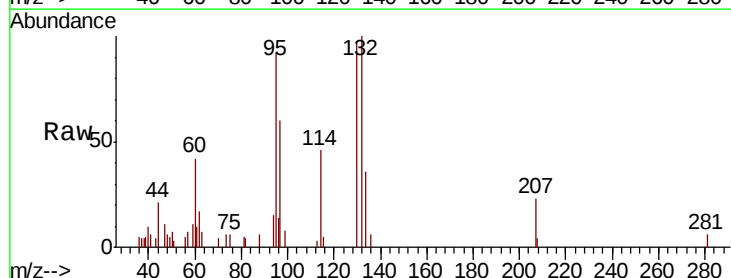
Acq: 01 Jun 2020 13:50

Tgt Ion: 130 Resp: 3463

Ion Ratio Lower Upper

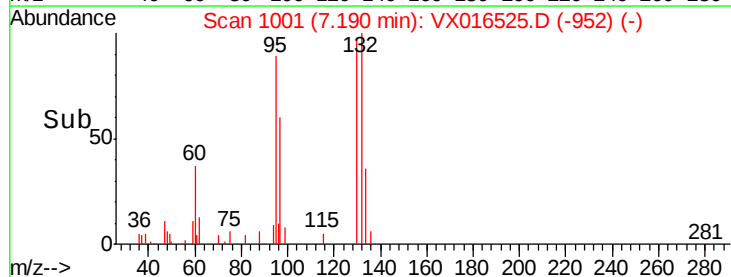
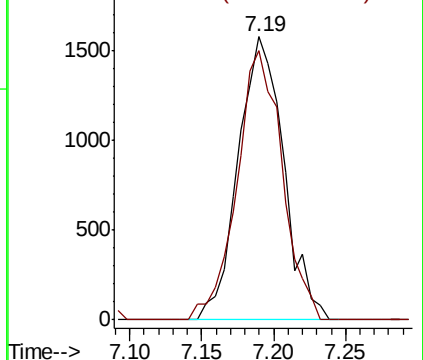
130 100

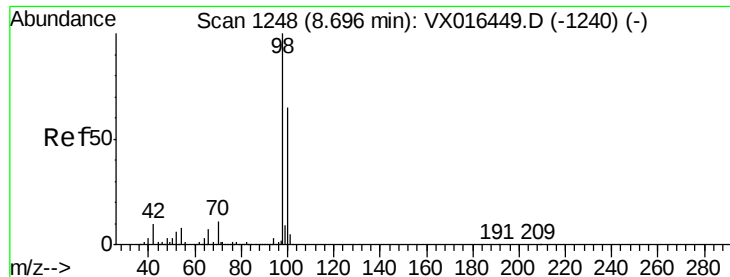
95 95.3 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.990 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016525.D

Acq: 01 Jun 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

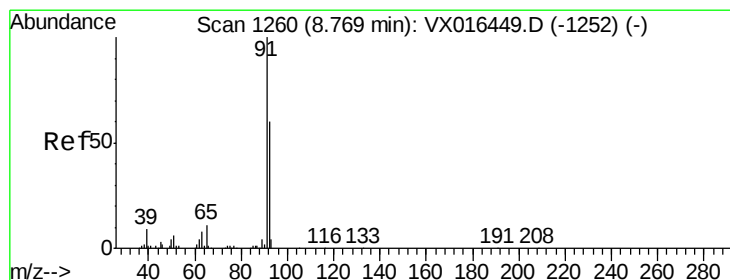
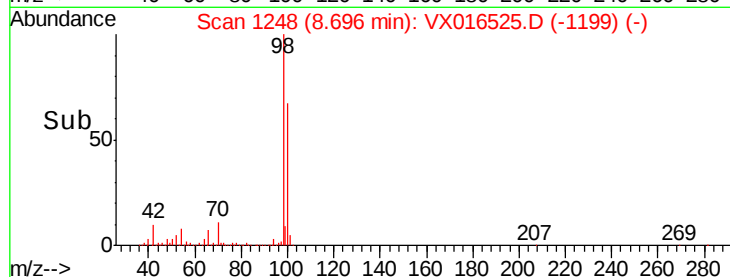
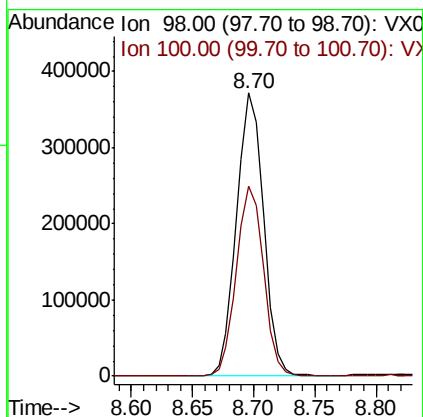
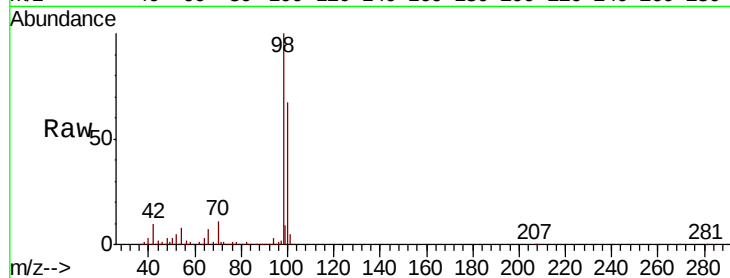
SS050MW513-200527

Tot Ion: 98 Resp: 573403

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#52

Toluene

Concen: 0.798 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016525.D

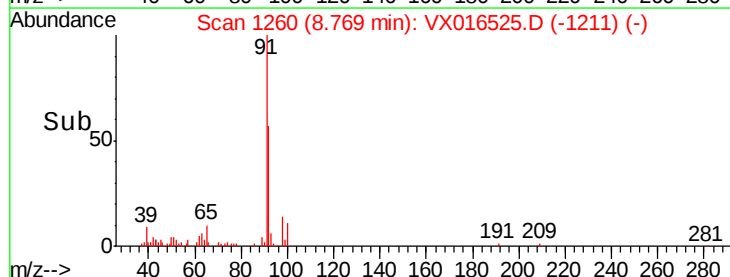
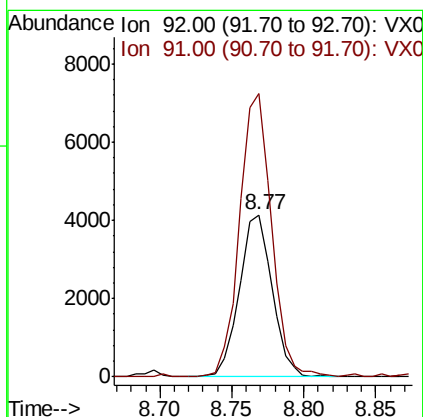
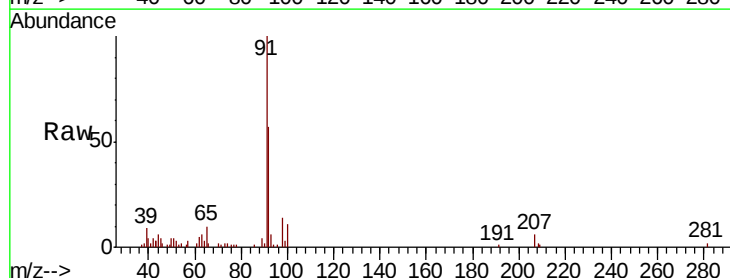
Acq: 01 Jun 2020 13:50

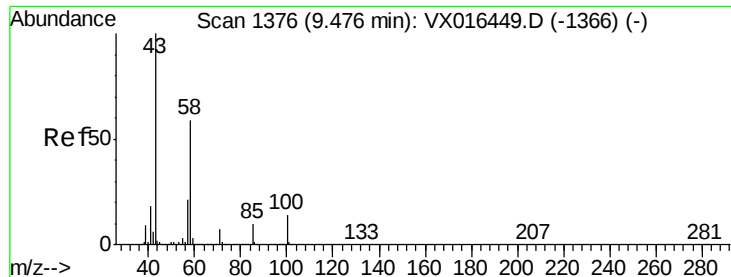
Tgt Ion: 92 Resp: 6526

Ion Ratio Lower Upper

92 100

91 170.3 135.0 202.4

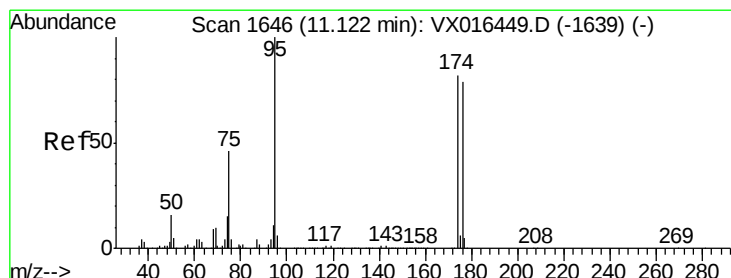
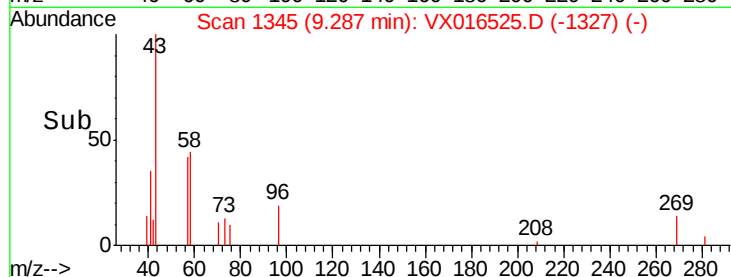
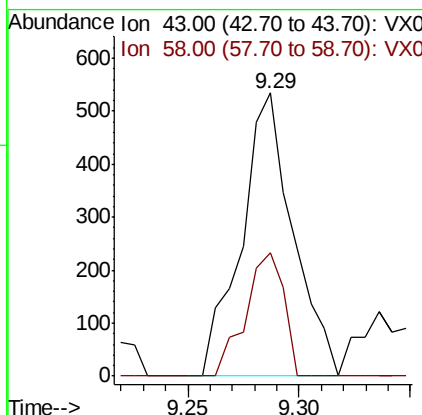
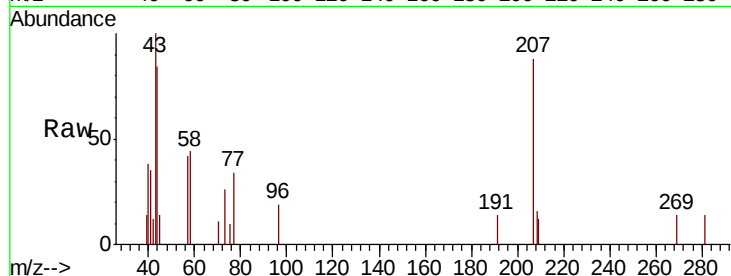




#59
2-Hexanone
Concen: 0.219 ug/l
RT: 9.29 min Scan# 1345
Delta R.T. -0.19 min
Lab File: VX016525.D
Acq: 01 Jun 2020 13:50

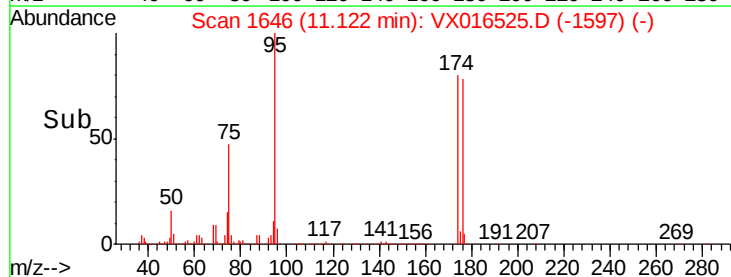
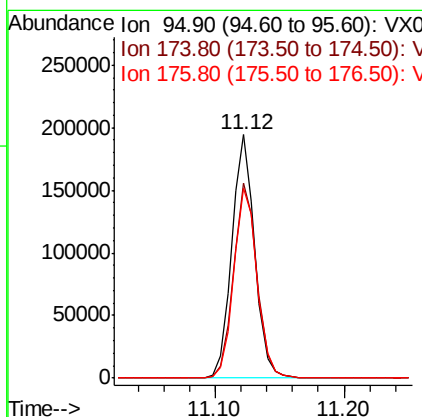
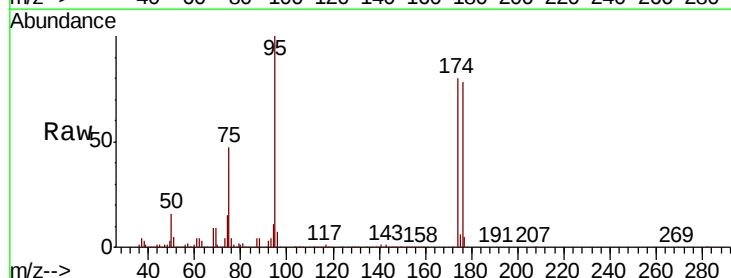
Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-200527

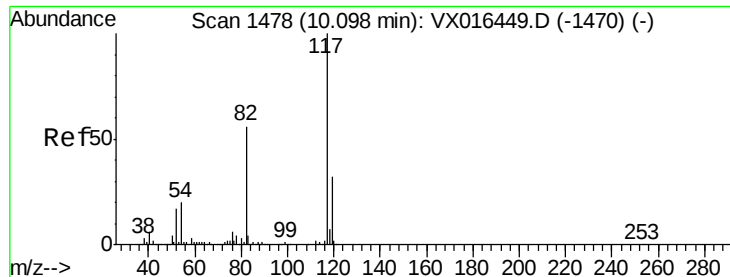
Tot Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 32.1 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 56.690 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016525.D
Acq: 01 Jun 2020 13:50

Tgt Ion: 95 Resp: 241592
Ion Ratio Lower Upper
95 100
174 81.3 0.0 163.0
176 79.4 0.0 156.8

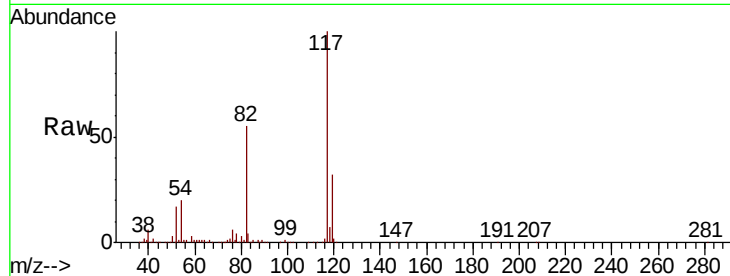




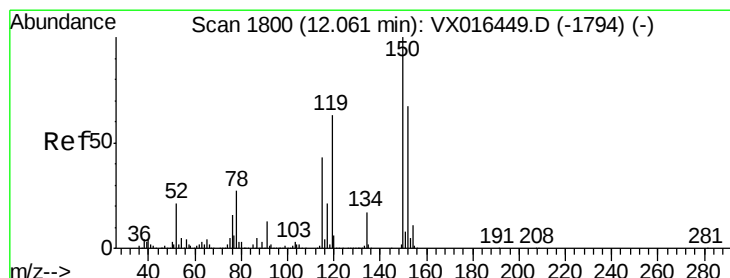
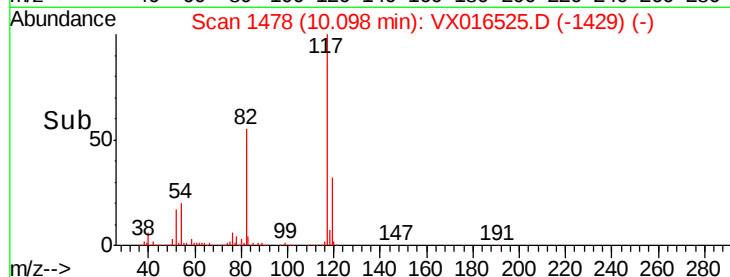
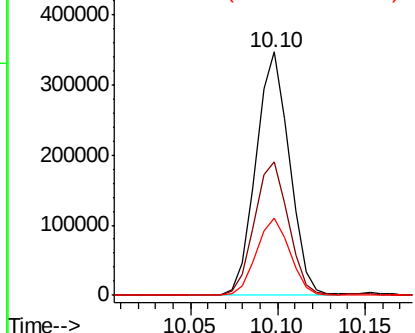
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016525.D
Acq: 01 Jun 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-200527

Tot Ion:117 Resp: 463332
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.6
119 31.9 25.8 38.8

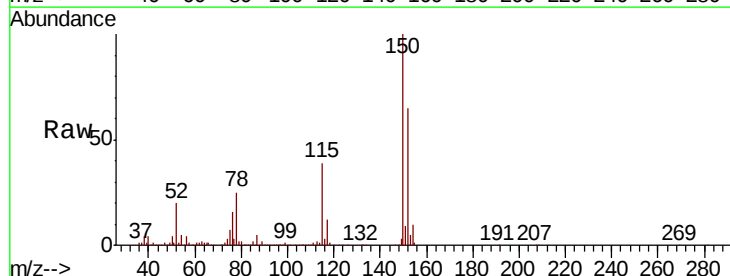


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

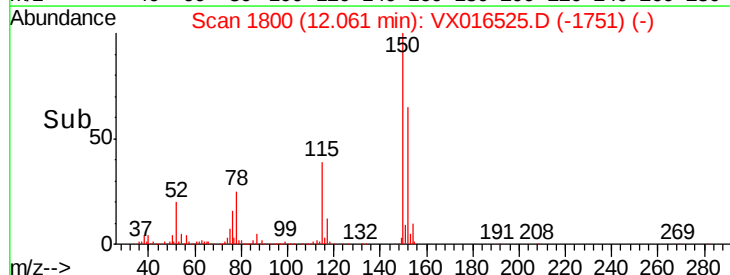
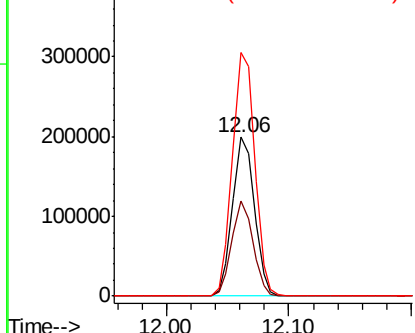


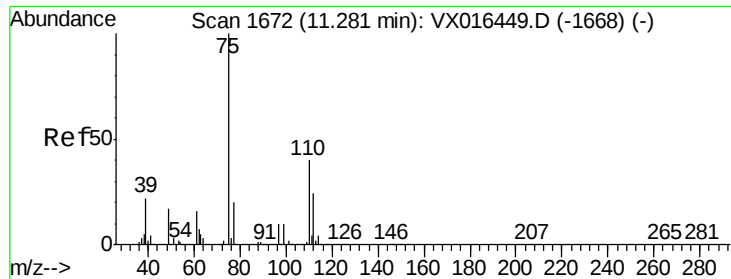
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016525.D
Acq: 01 Jun 2020 13:50

Tgt Ion:152 Resp: 246736
Ion Ratio Lower Upper
152 100
115 58.1 39.9 119.6
150 155.9 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

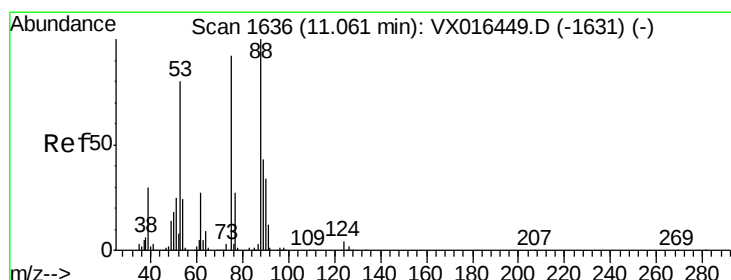
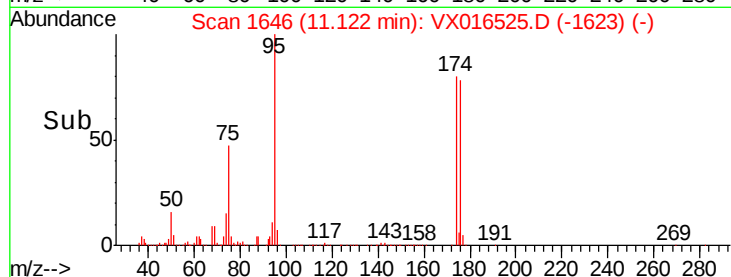
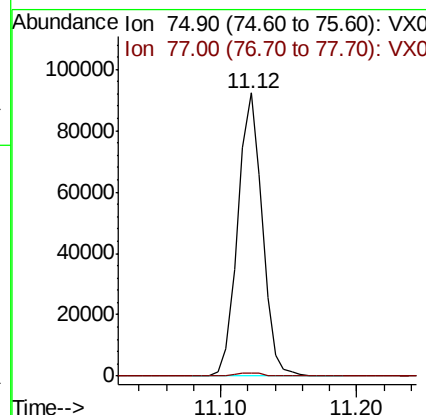
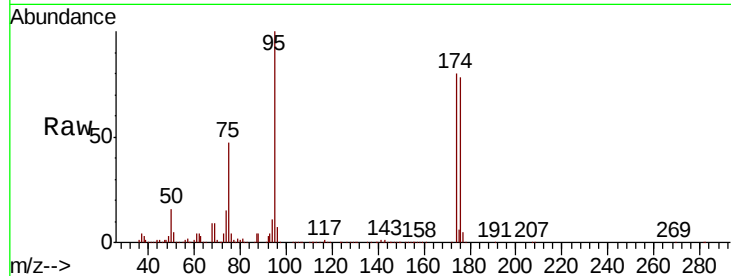




#76
 1,2,3-Trichloropropane
 Concen: 21.218 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016525.D
 Acq: 01 Jun 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-200527

Tot Ion: 75 Resp: 115071
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.192 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016525.D
 Acq: 01 Jun 2020 13:50

Tgt Ion: 75 Resp: 115071
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#

