

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015953.D
 Acq On : 24 Apr 2020 23:53
 Operator : JC/SP
 Sample : L2399-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-A

Quant Time: Apr 25 06:56:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	136784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	258371	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	252372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	98450	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	5.47	113	75067	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	8.70	98	329670	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
62) 4-Bromofluorobenzene	11.12	95	135625	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	

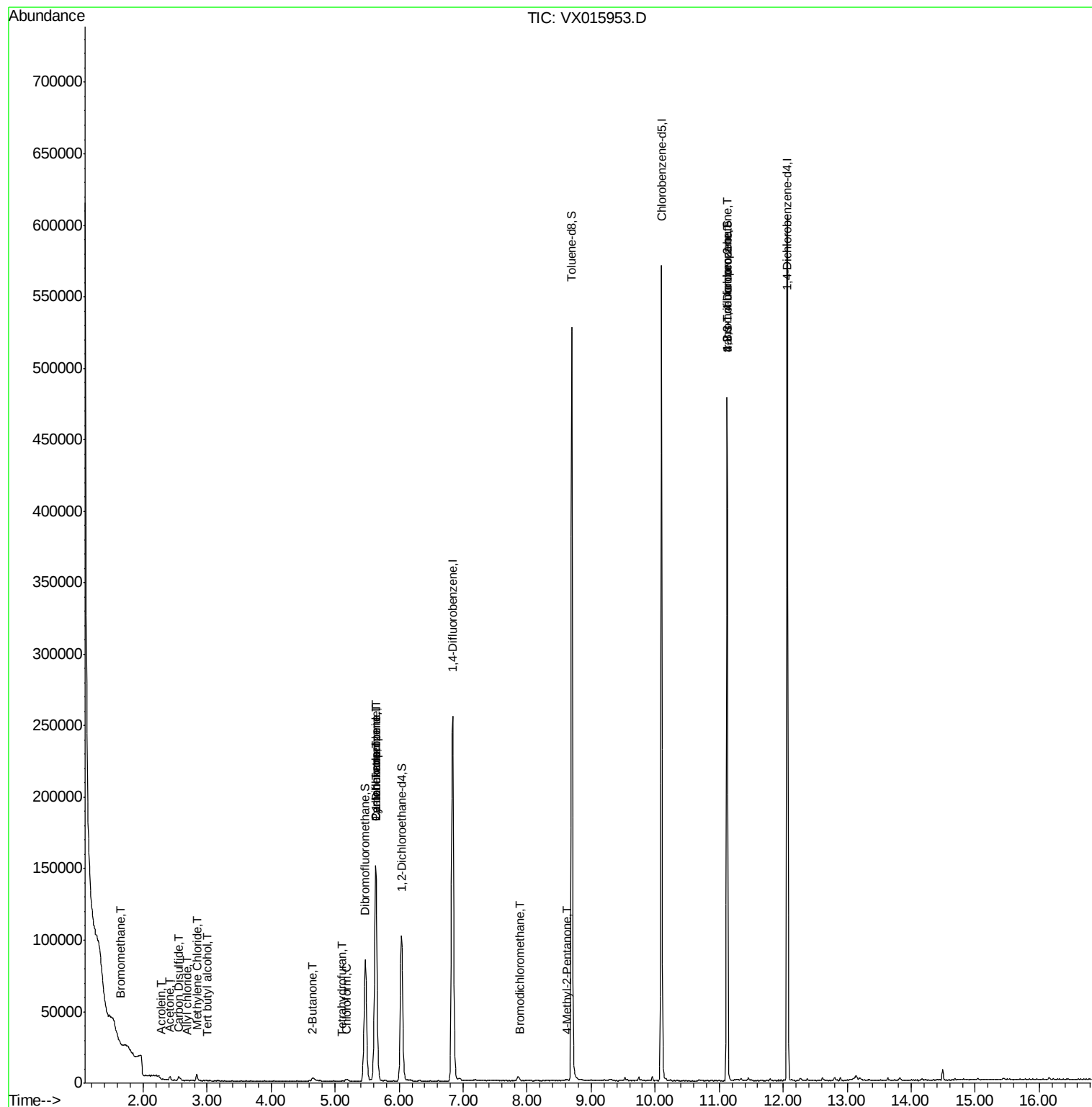
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	152	0.213	ug/l #	3
11) Tert butyl alcohol	3.01	59	154	0.371	ug/l #	72
13) Acrolein	2.28	56	120	0.466	ug/l #	15
14) Allyl chloride	2.70	41	575	0.210	ug/l #	35
16) Acetone	2.42	43	2423	3.345	ug/l	94
17) Carbon Disulfide	2.55	76	2661	0.325	ug/l #	95
20) Methylene Chloride	2.84	84	2201	1.228	ug/l #	81
25) 2-Butanone	4.64	43	767	0.650	ug/l #	47
29) Tetrahydrofuran	5.11	42	276	0.355	ug/l #	35
30) Chloroform	5.18	83	1783	0.583	ug/l	100
31) Cyclohexane	5.63	56	3276	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	13012	5.277	ug/l #	49
38) Carbon Tetrachloride	5.63	117	14580	6.471	ug/l #	16
47) Bromodichloromethane	7.88	83	542	0.216	ug/l #	94
51) 4-Methyl-2-Pentanone	8.62	43	615	0.258	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	67553	25.892	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	67553	58.324	ug/l #	14

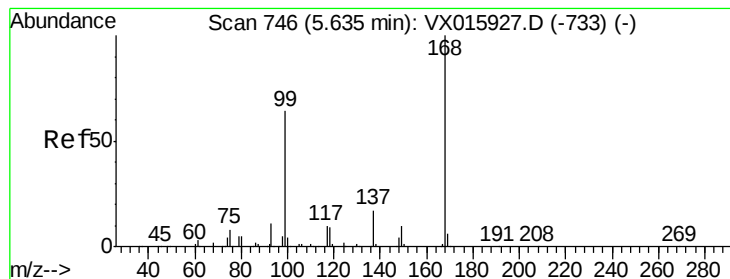
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
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Quant Time: Apr 25 06:56:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

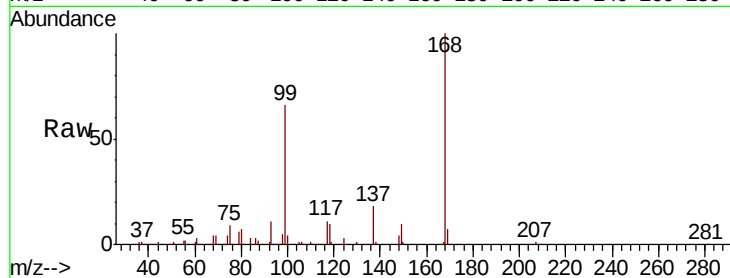
SP1-A

Tot Ion:168 Resp: 136784

Ion Ratio Lower Upper

168 100

99 66.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

50000

40000

30000

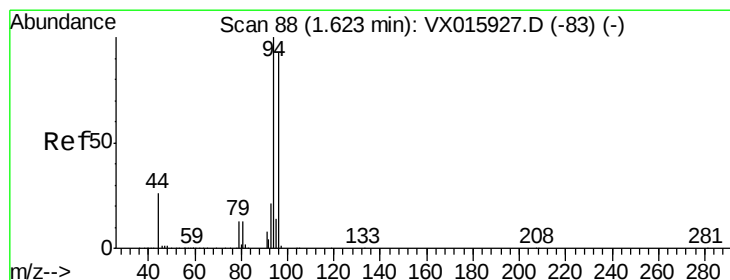
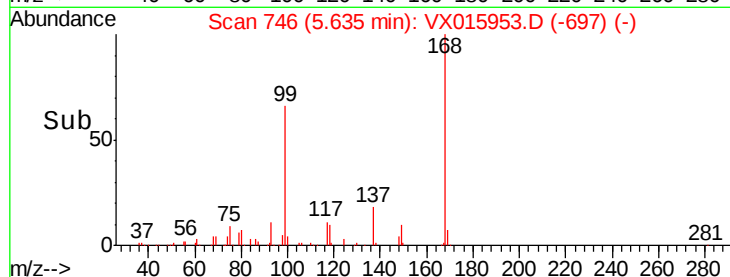
20000

10000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.213 ug/l

RT: 1.65 min Scan# 93

Delta R.T. 0.03 min

Lab File: VX015953.D

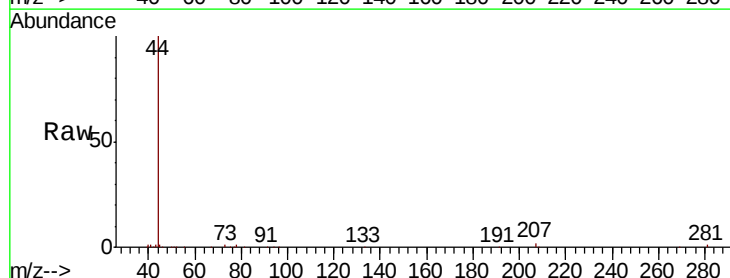
Acq: 24 Apr 2020 23:53

Tgt Ion: 94 Resp: 152

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

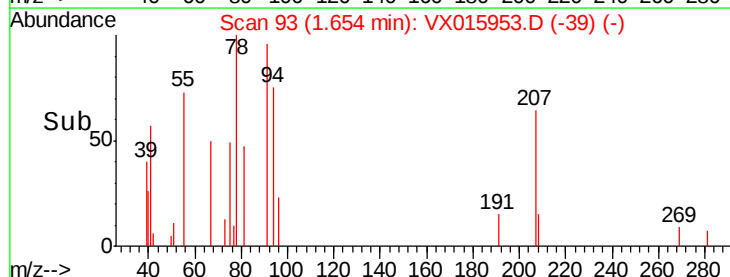
100

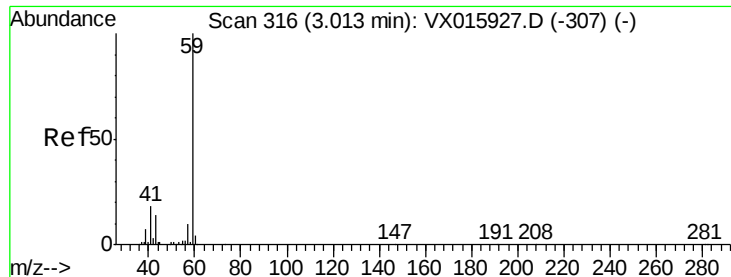
50

0

Time-->

1.60 1.65



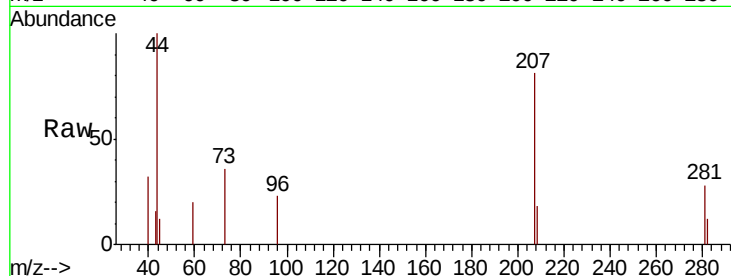


#11

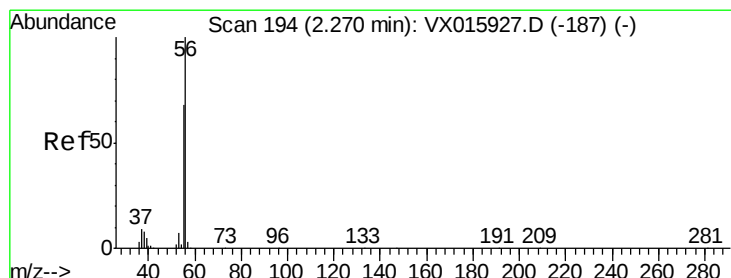
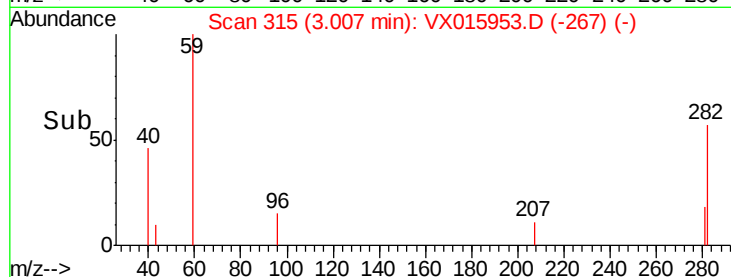
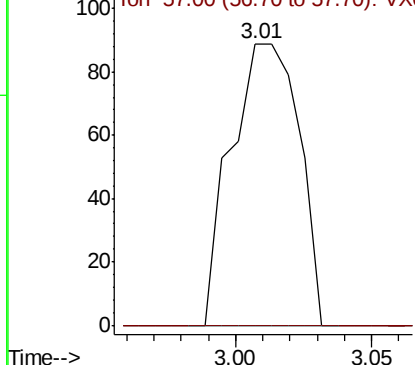
Tert butvl alcohol
 Concen: 0.371 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX015953.D
 Acq: 24 Apr 2020 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-A

Tot Ion: 59 Resp: 154
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



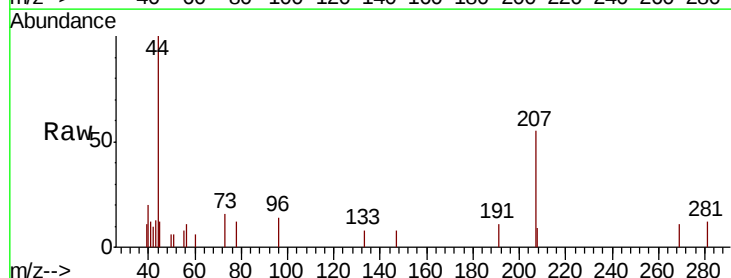
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



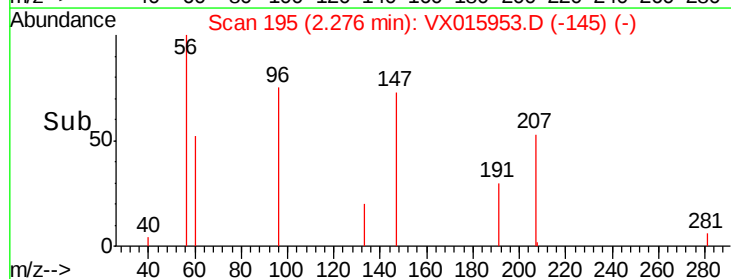
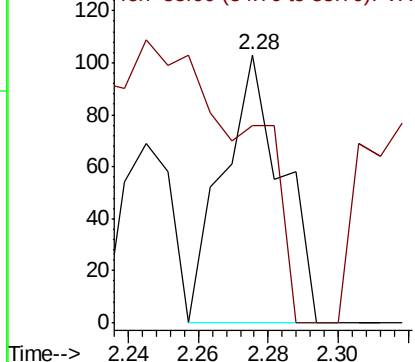
#13

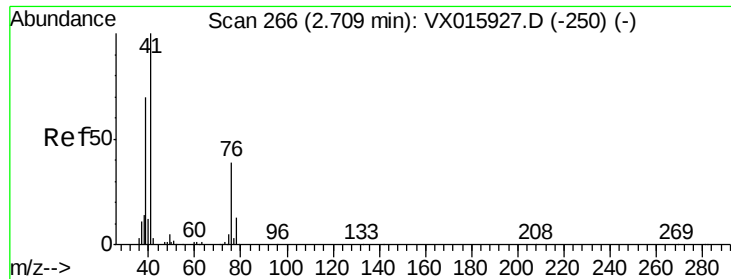
Acrolein
 Concen: 0.466 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX015953.D
 Acq: 24 Apr 2020 23:53

Tgt Ion: 56 Resp: 120
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0

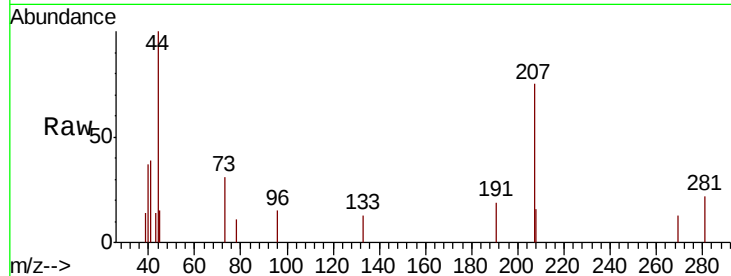




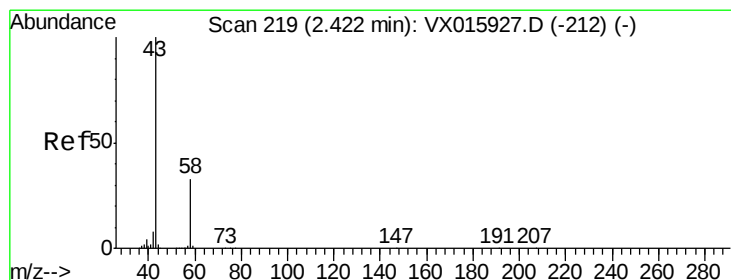
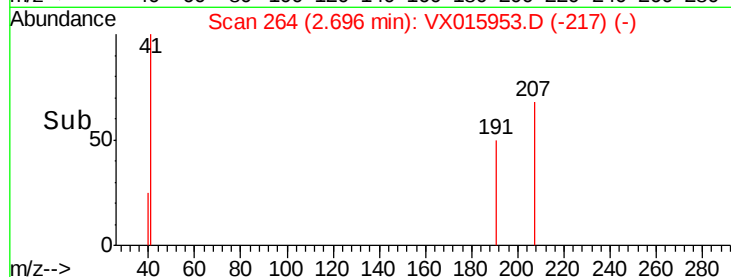
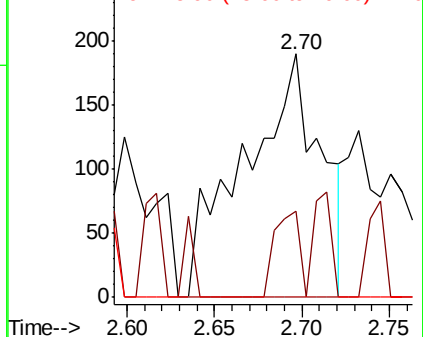
#14
Allvl chloride
Concen: 0.210 ug/l
RT: 2.70 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

Instrument :
MSVOA_X
ClientSampleId :
SP1-A

Tot Ion: 41 Resp: 575
Ion Ratio Lower Upper
41 100
39 11.5 51.6 77.4#
76 0.0 29.3 43.9#

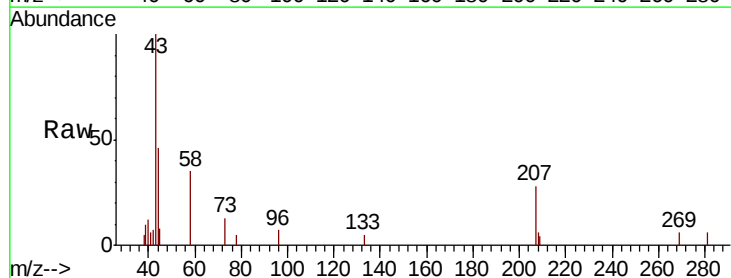


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0

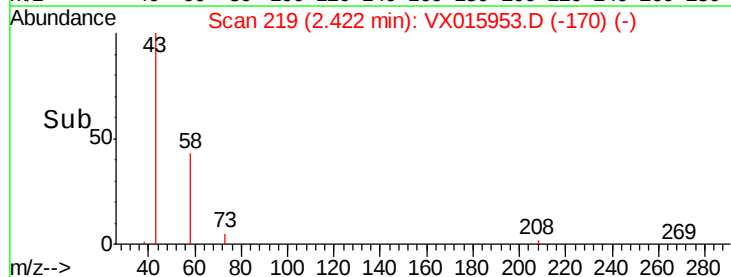
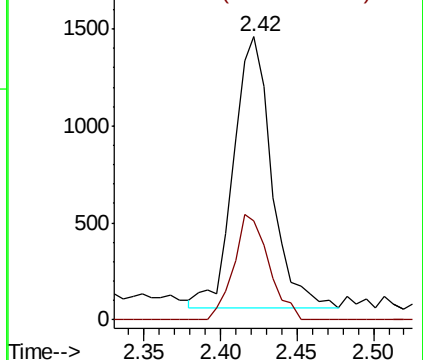


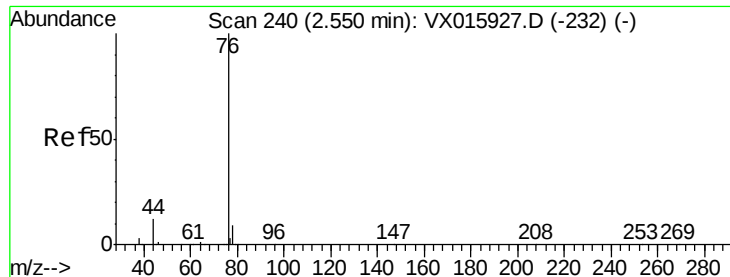
#16
Acetone
Concen: 3.345 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
58 36.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

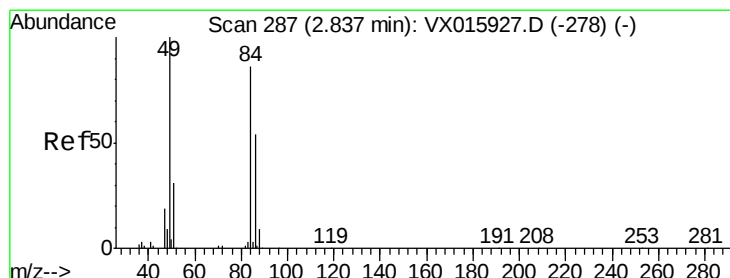
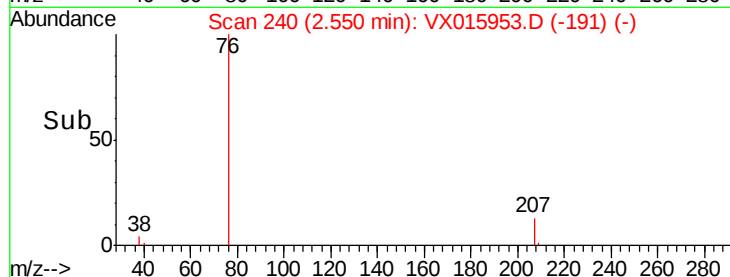
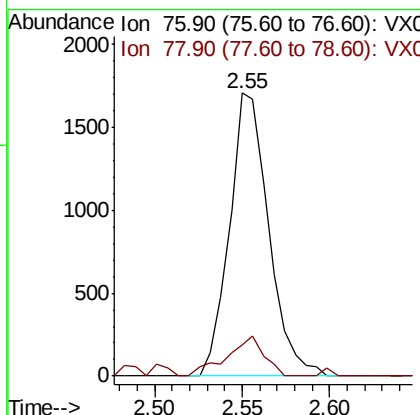
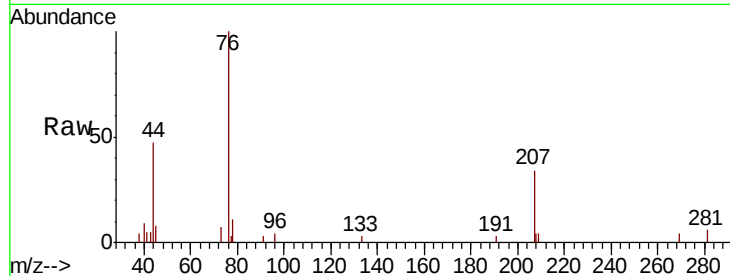




#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

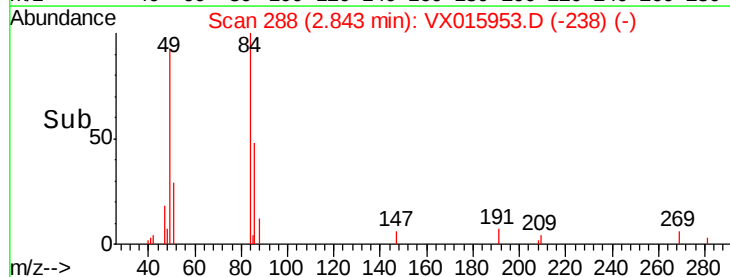
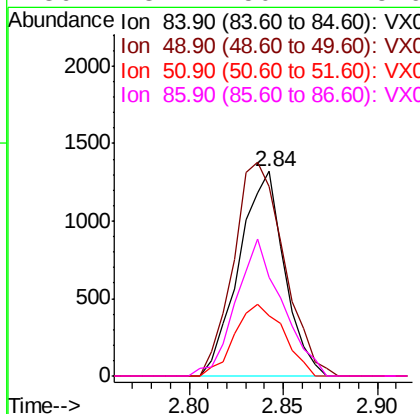
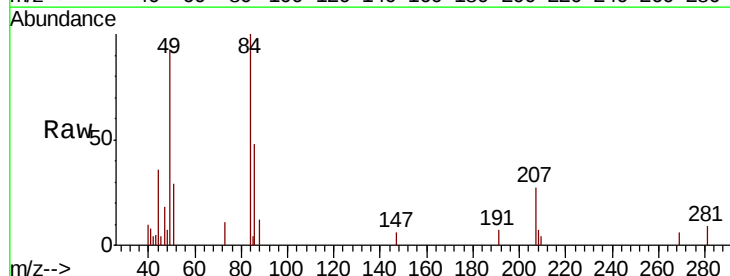
Instrument :
MSVOA_X
ClientSampleId :
SP1-A

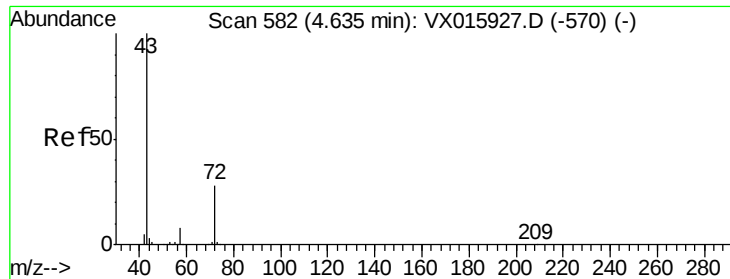
Tot Ion: 76 Resp: 2661
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.2#



#20
Methylene Chloride
Concen: 1.228 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

Tgt Ion: 84 Resp: 2201
Ion Ratio Lower Upper
84 100
49 92.7 93.0 139.6#
51 29.2 28.6 43.0
86 48.1 50.4 75.6#

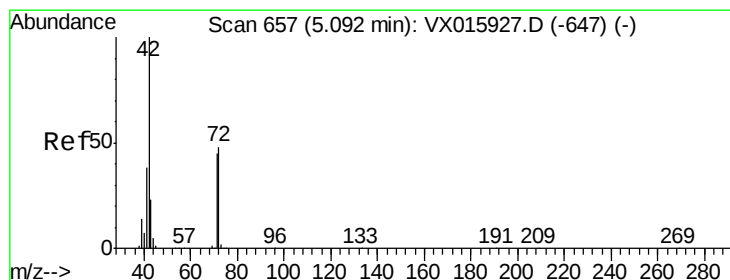
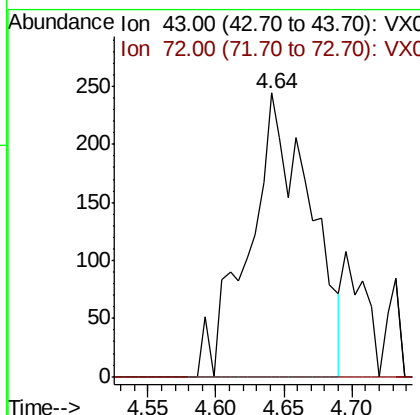
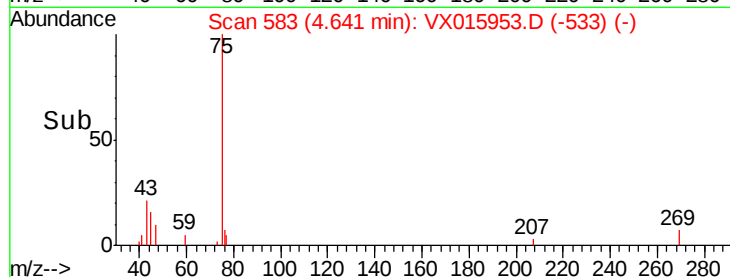
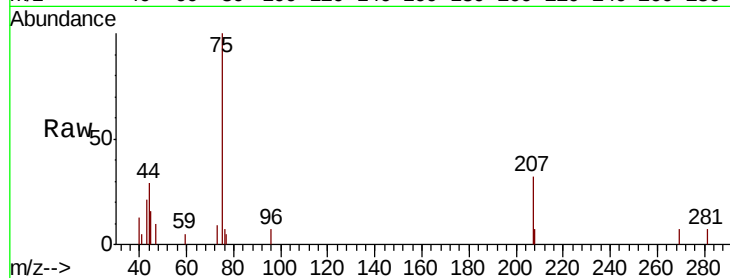




#25
2-Butanone
Concen: 0.650 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

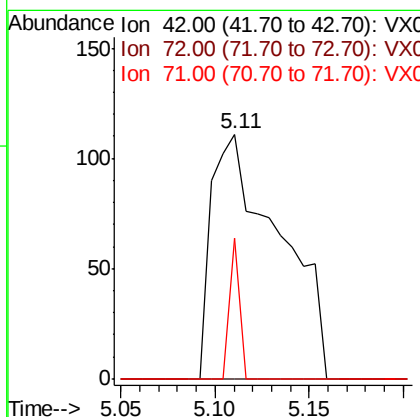
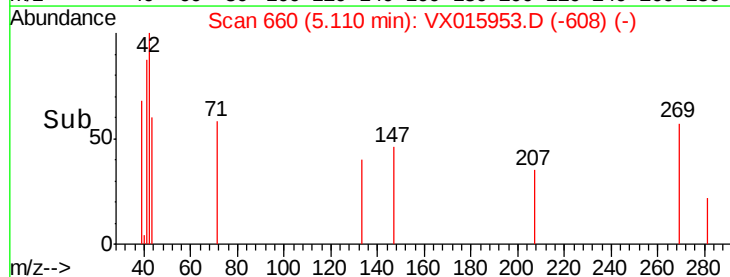
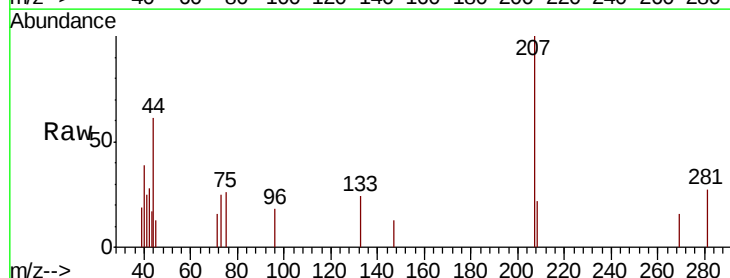
Instrument :
MSVOA_X
ClientSampled :
SP1-A

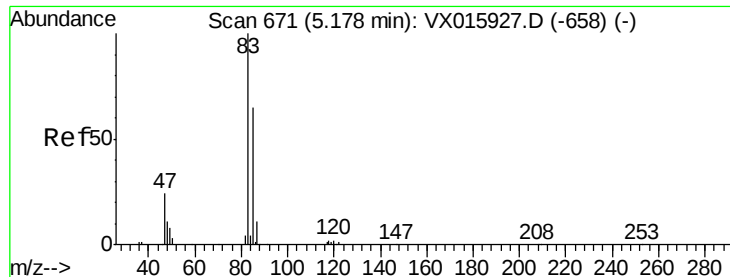
Tot Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
72 0.0 22.4 33.6#



#29
Tetrahydrofuran
Concen: 0.355 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

Tgt Ion: 42 Resp: 276
Ion Ratio Lower Upper
42 100
72 0.0 39.5 59.3#
71 8.3 36.4 54.6#

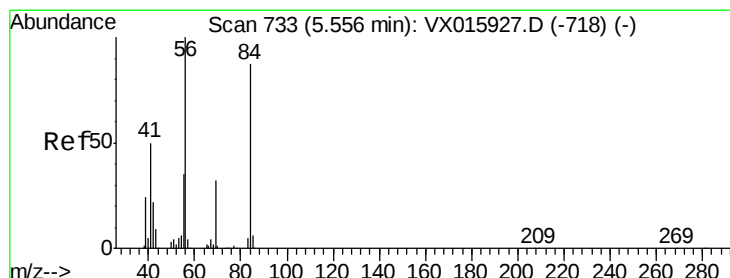
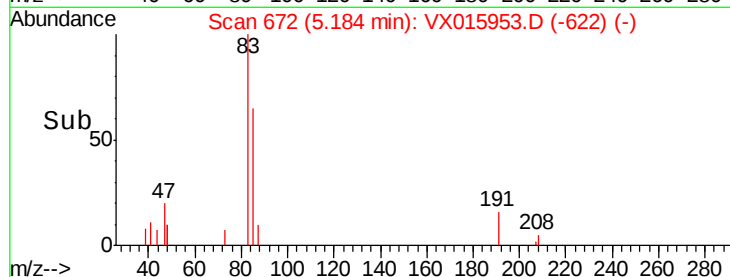
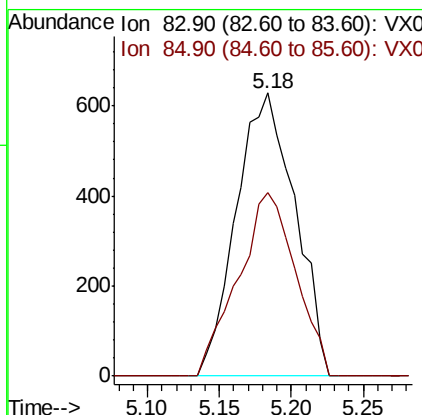
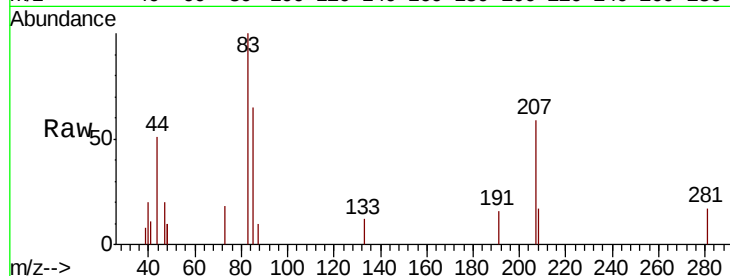




#30
Chloroform
Concen: 0.583 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

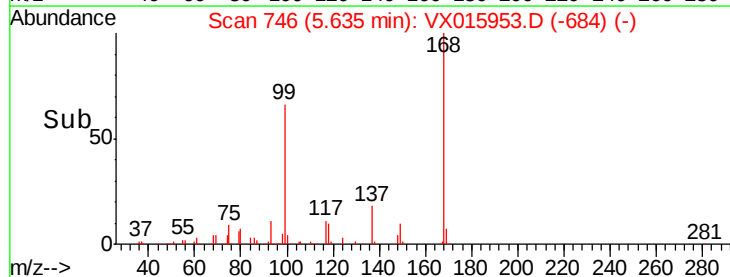
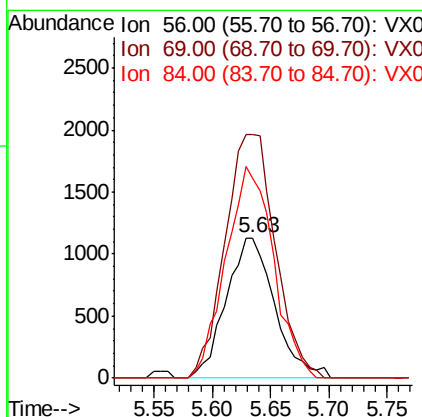
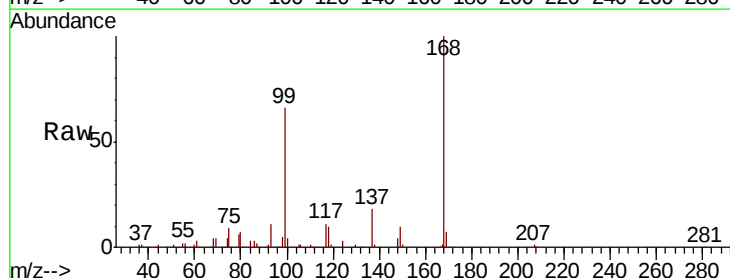
Instrument :
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ClientSampleId :
SP1-A

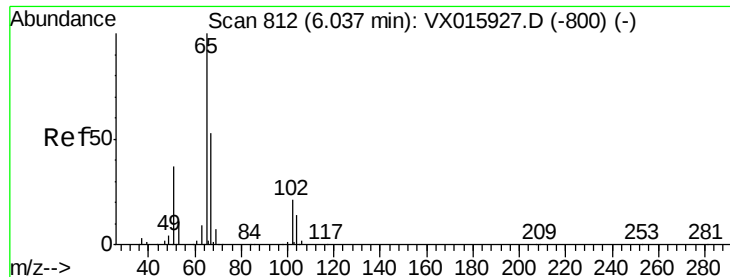
Tot Ion: 83 Resp: 1783
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015953.D
Acq: 24 Apr 2020 23:53

Tgt Ion: 56 Resp: 3276
Ion Ratio Lower Upper
56 100
69 173.5 25.4 38.0#
84 143.0 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 50.973 ug/l

RT: 6.04 min Scan# 812

Delta R.T. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

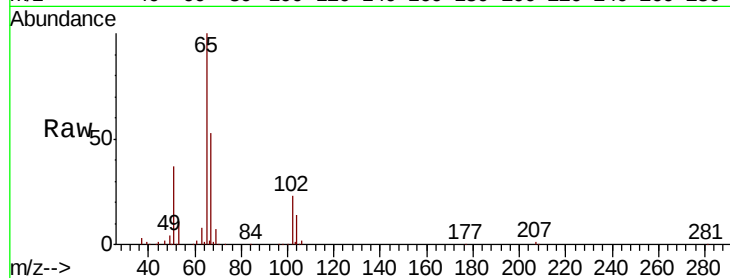
SP1-A

Tot Ion: 65 Resp: 98450

Ion Ratio Lower Upper

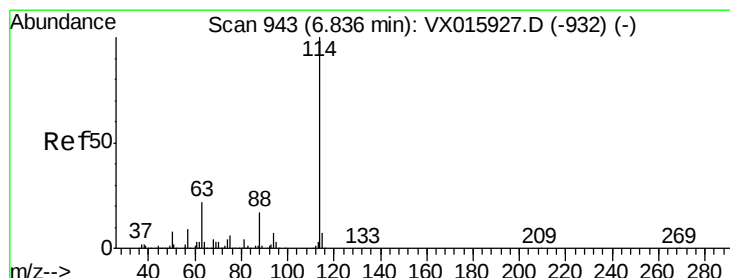
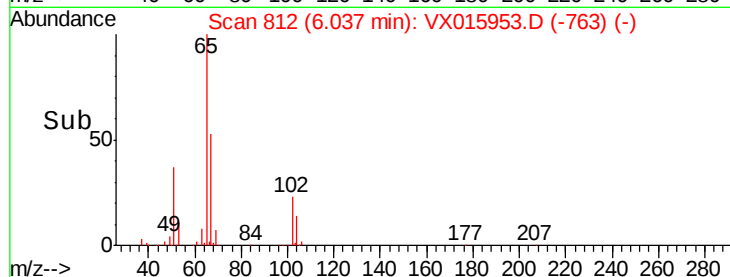
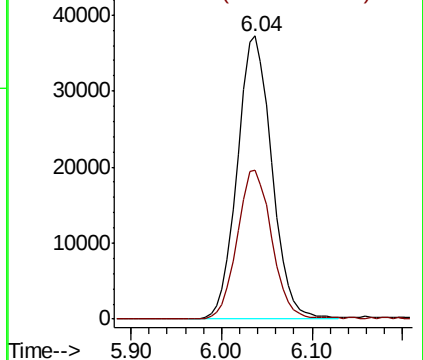
65 100

67 52.8 0.0 106.6



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. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

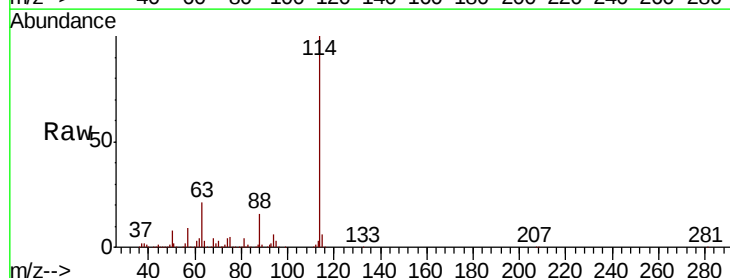
Tgt Ion: 114 Resp: 258371

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.4

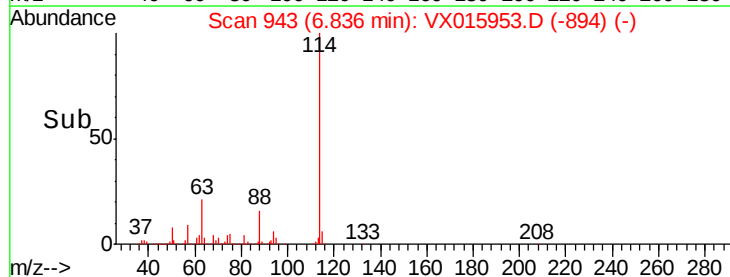
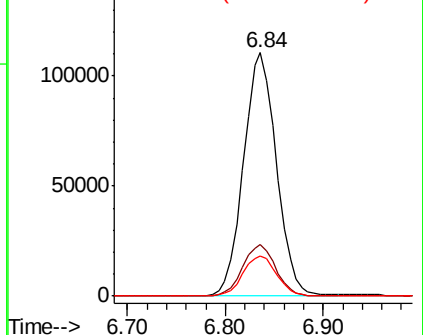
88 16.3 0.0 34.2

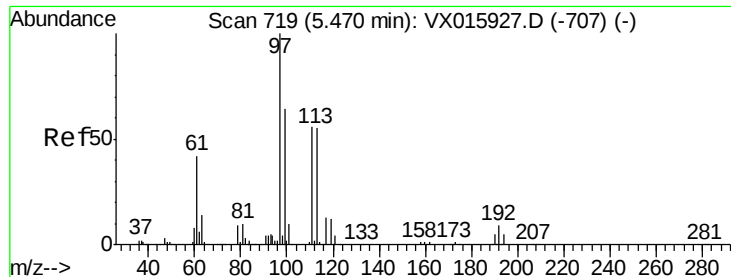


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

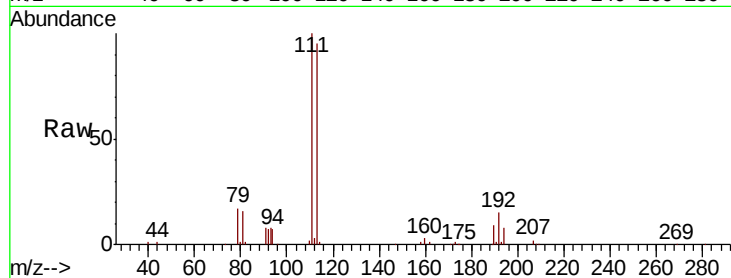




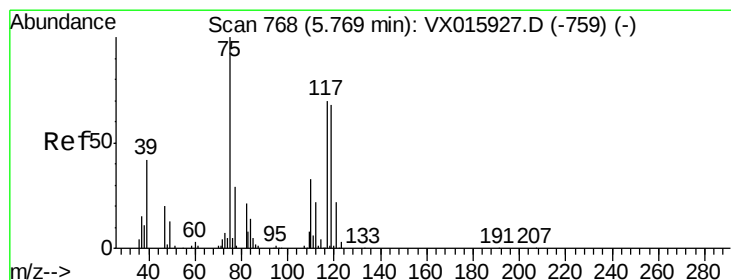
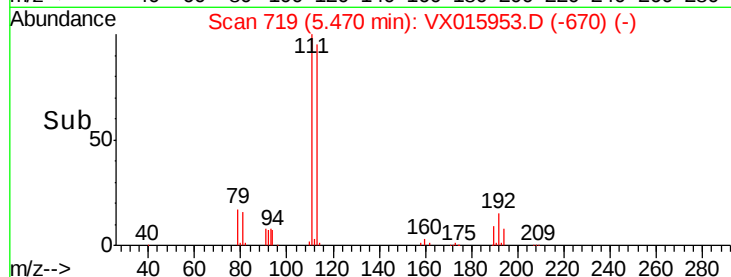
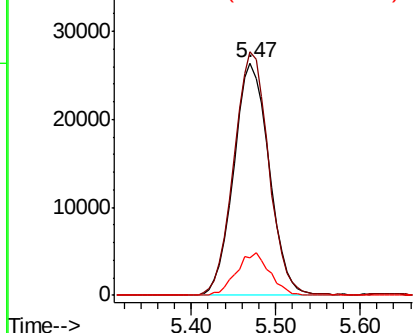
#35
 Dibromofluoromethane
 Concen: 53.272 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX015953.D
 Acq: 24 Apr 2020 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-A

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.2	121.8
192	17.2	13.6	20.4

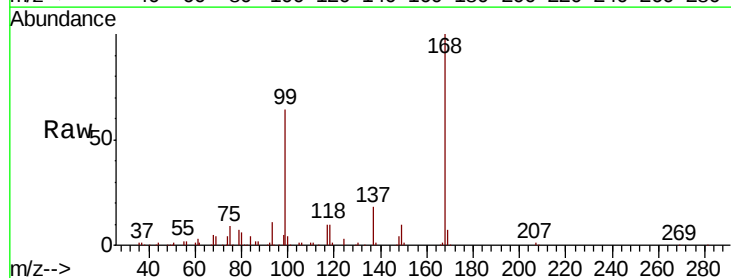


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

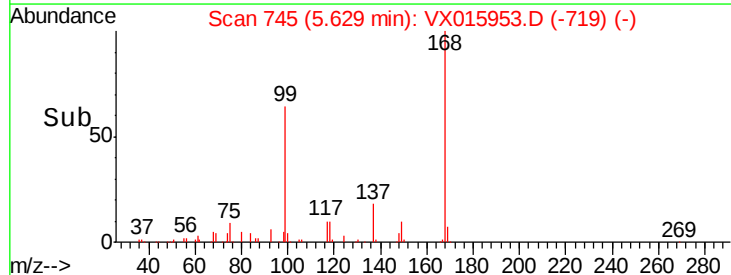
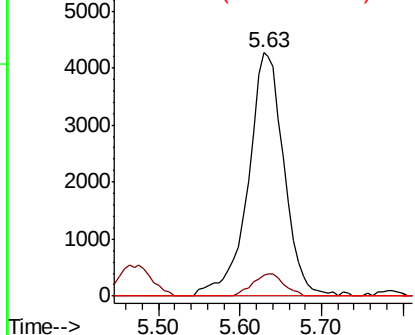


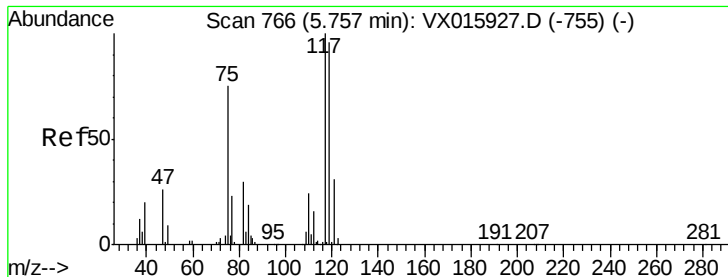
#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX015953.D
 Acq: 24 Apr 2020 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.1	51.3#
77	0.0	25.0	37.4#



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: 6.471 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

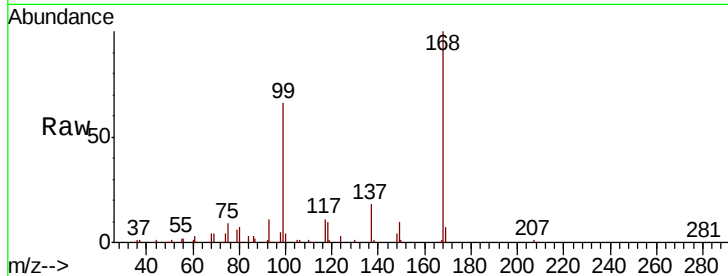
Tot Ion:117 Resp: 14580

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

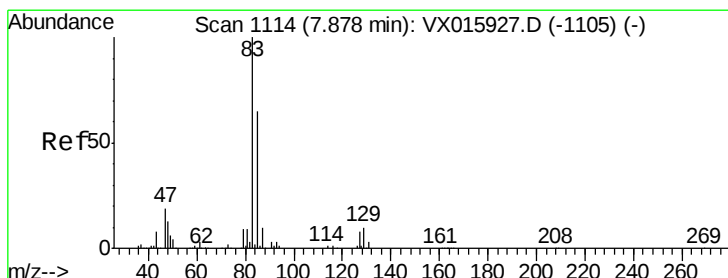
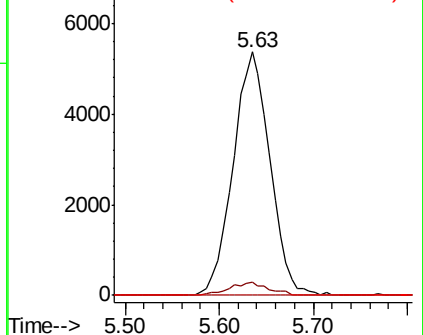
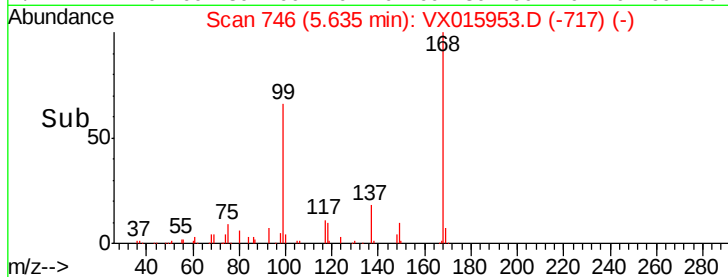
121 0.0 25.0 37.4#



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



#47

Bromodichloromethane

Concen: 0.216 ug/l

RT: 7.88 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

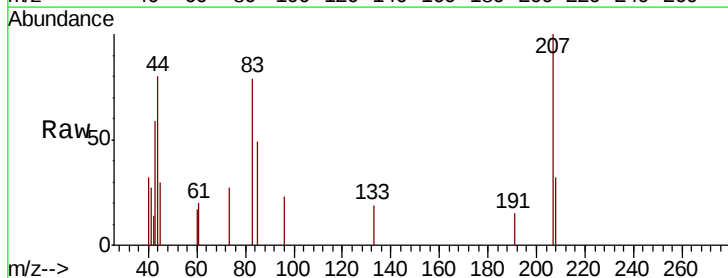
Tgt Ion: 83 Resp: 542

Ion Ratio Lower Upper

83 100

85 61.8 51.6 77.4

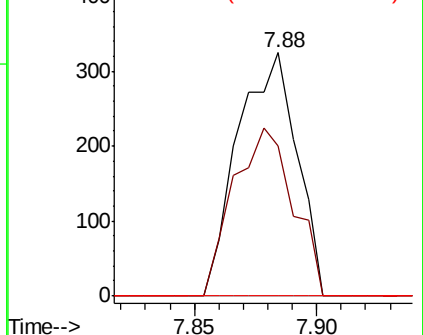
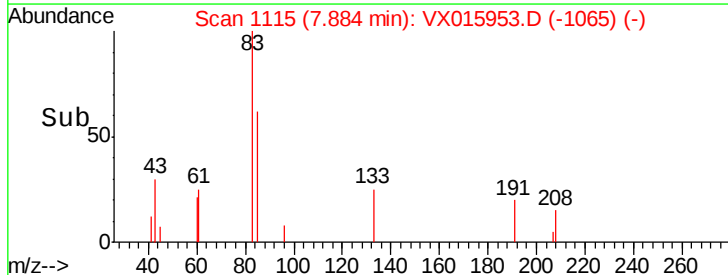
127 0.0 6.7 10.1#

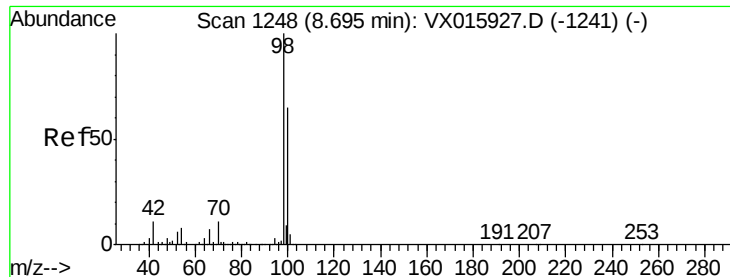


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 55.260 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

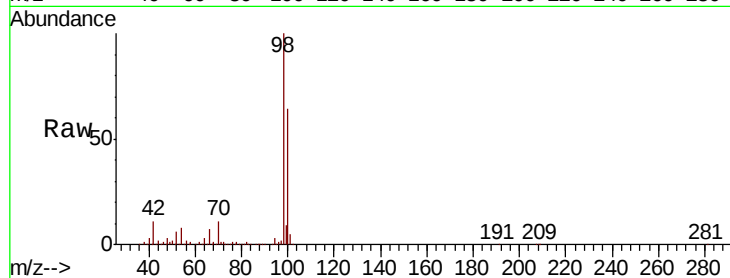
SP1-A

Tot Ion: 98 Resp: 329670

Ion Ratio Lower Upper

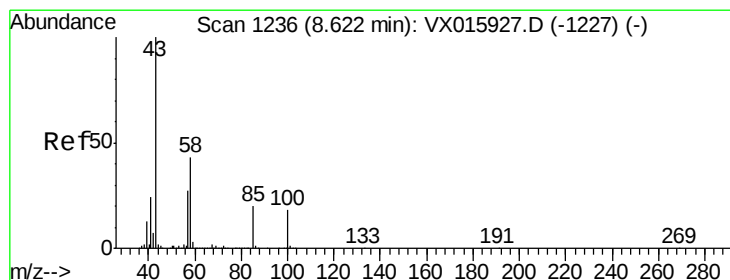
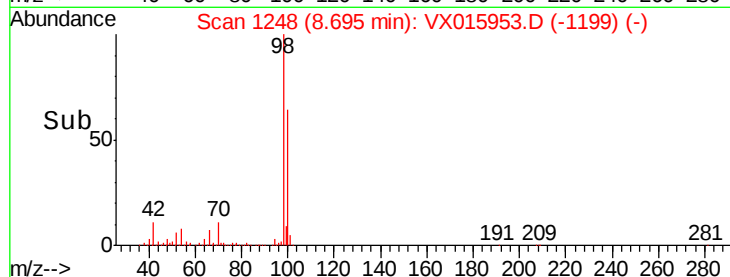
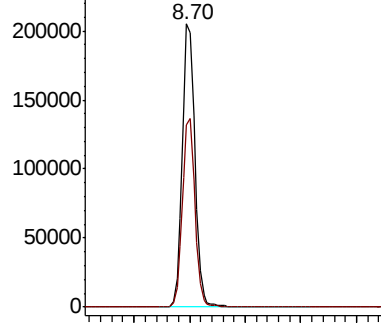
98 100

100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX015953.D

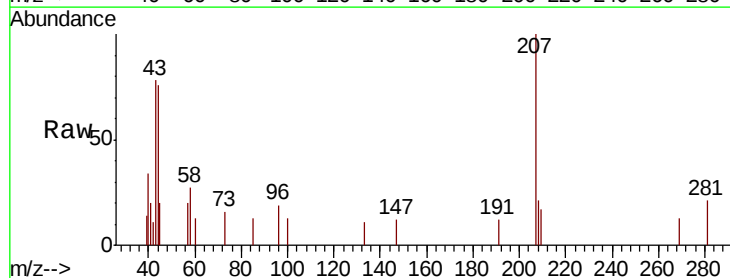
Acq: 24 Apr 2020 23:53

Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

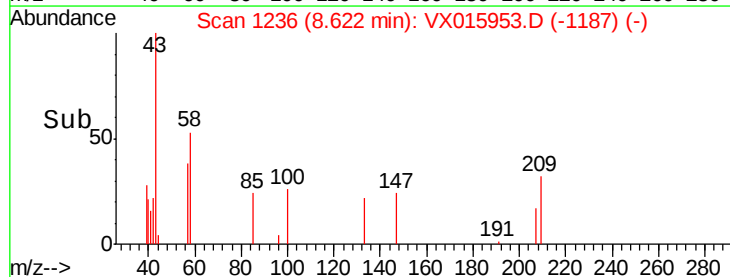
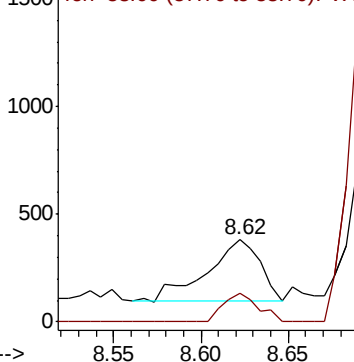
43 100

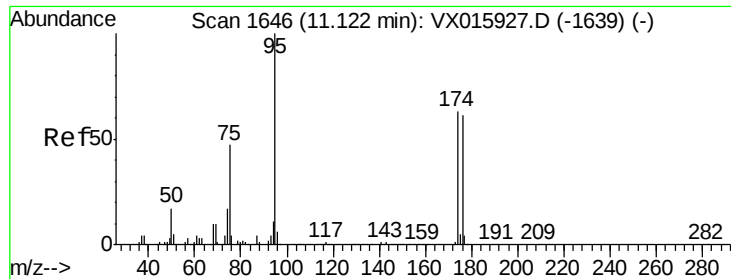
58 30.7 34.2 51.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 56.049 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

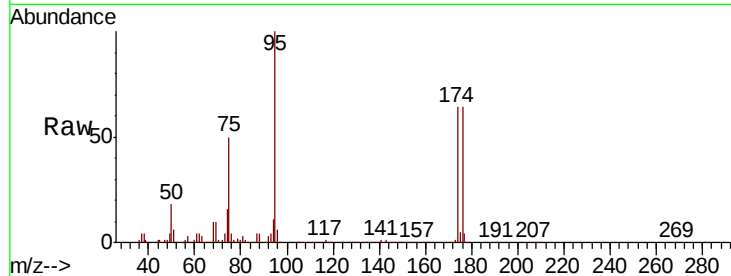
Tot Ion: 95 Resp: 135625

Ion Ratio Lower Upper

95 100

174 67.7 0.0 133.6

176 63.7 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015927.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX015927.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX015927.D (-1639) (-)

11.12

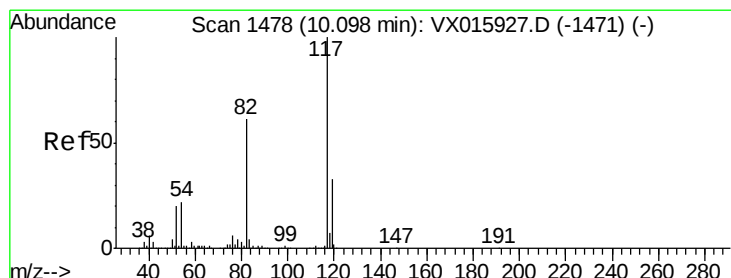
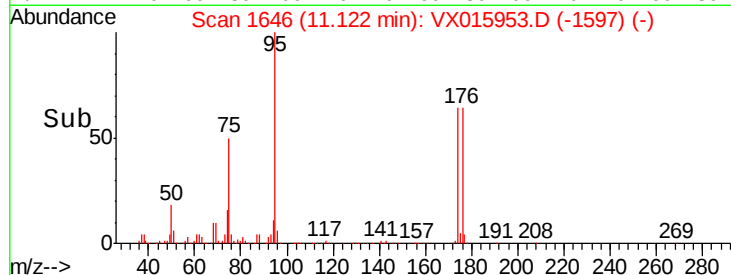
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

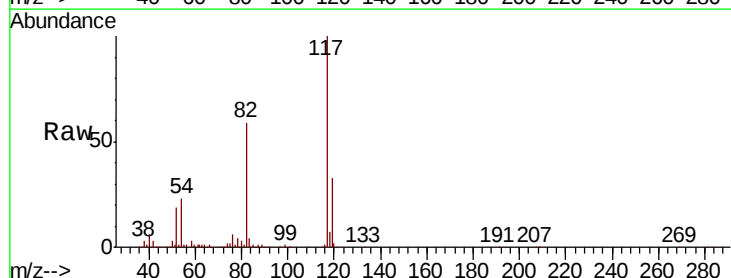
Tgt Ion: 117 Resp: 252372

Ion Ratio Lower Upper

117 100

82 59.3 48.5 72.7

119 32.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VX015927.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX015927.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX015927.D (-1471) (-)

10.10

250000

200000

150000

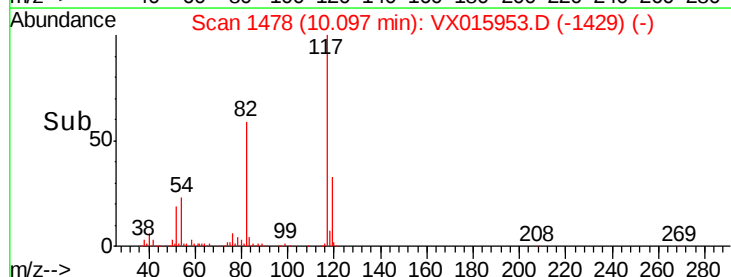
100000

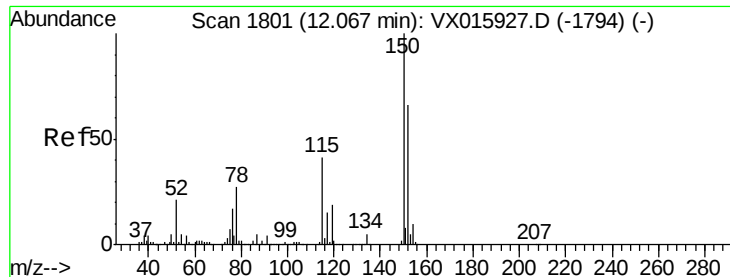
50000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

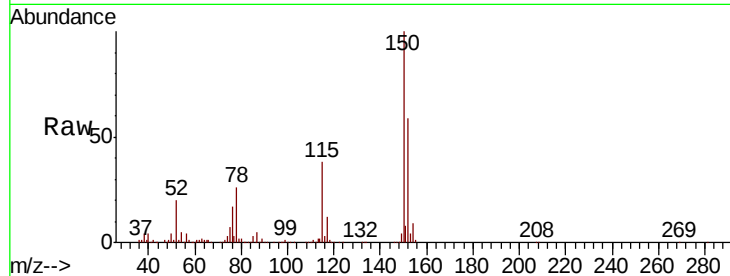
Tot Ion:152 Resp: 121630

Ion Ratio Lower Upper

152 100

115 65.4 44.1 132.4

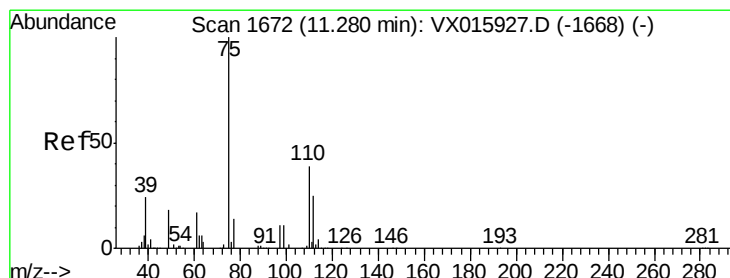
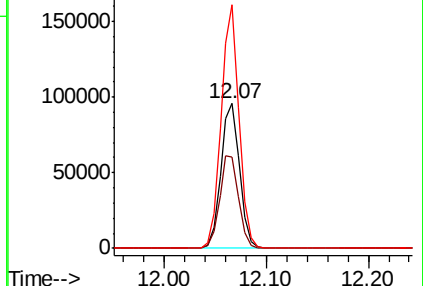
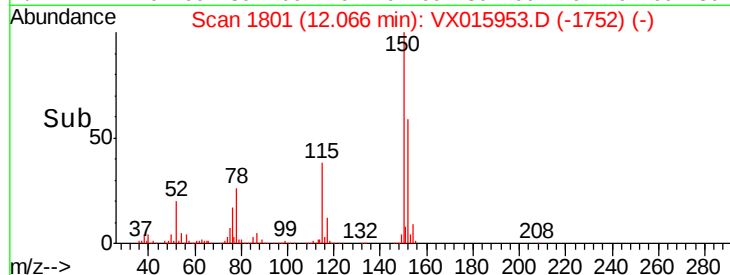
150 161.6 0.0 343.6



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: 25.892 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015953.D

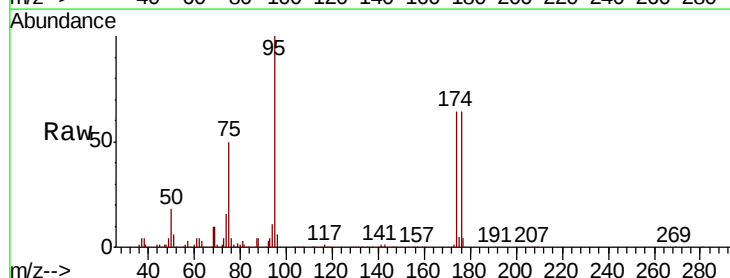
Acq: 24 Apr 2020 23:53

Tgt Ion: 75 Resp: 67553

Ion Ratio Lower Upper

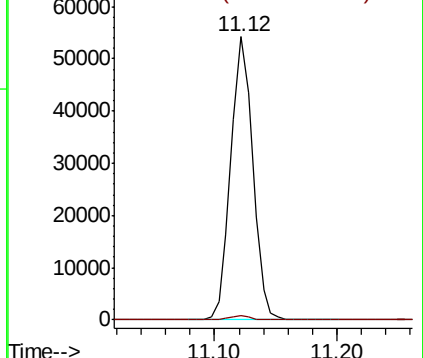
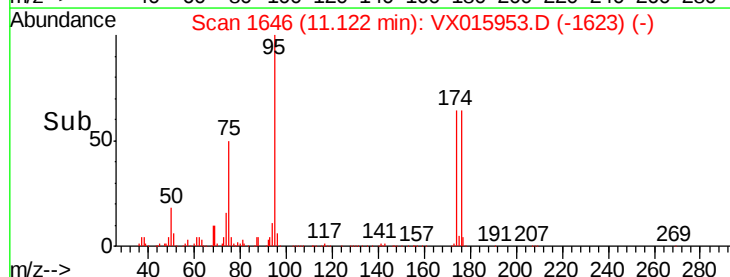
75 100

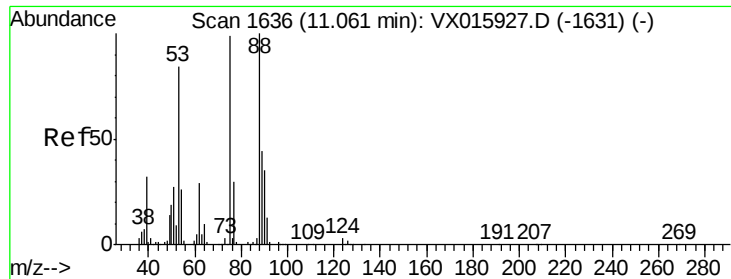
77 1.4 22.1 66.5#



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: 58.324 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015953.D

Acq: 24 Apr 2020 23:53

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

Tot Ion: 75 Resp: 67553

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#

