

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015950.D
 Acq On : 24 Apr 2020 22:45
 Operator : JC/SP
 Sample : L2415-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW041R-200423

Quant Time: Apr 25 06:55:53 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	5.64	168	133992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	248284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	245623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121969	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	95356	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	5.47	113	73490	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	8.70	98	316844	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
62) 4-Bromofluorobenzene	11.12	95	130098	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	

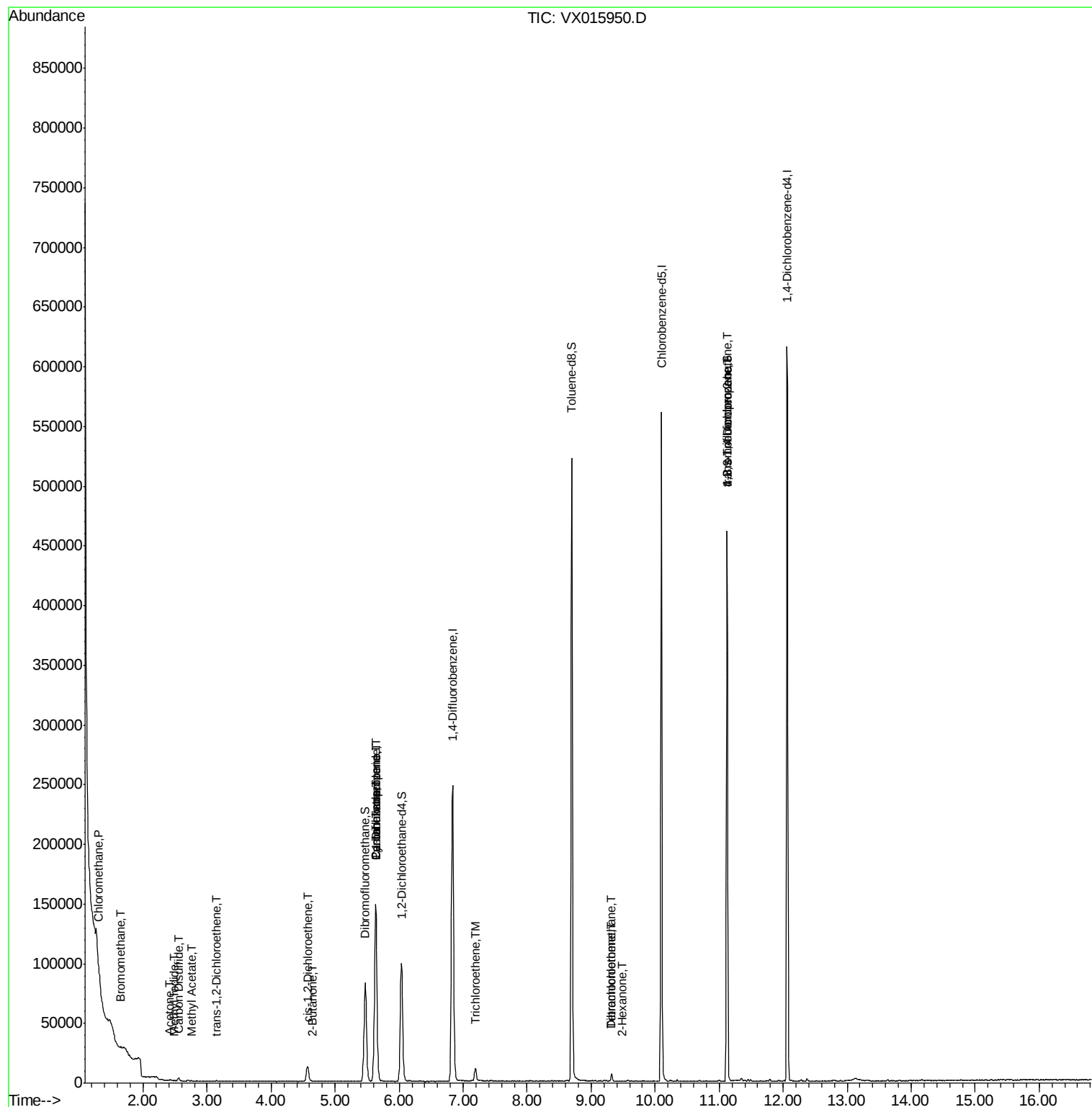
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	372	0.245	ug/l	96
5) Bromomethane	1.64	94	209	0.298	ug/l #	23
10) Methyl Iodide	2.49	142	54	4.842	ug/l #	41
16) Acetone	2.42	43	807	1.137	ug/l	99
17) Carbon Disulfide	2.56	76	3115	0.448	ug/l	100
18) Methyl Acetate	2.75	43	495	0.231	ug/l #	65
21) trans-1,2-Dichloroethene	3.15	96	506	0.299	ug/l #	37
25) 2-Butanone	4.65	43	493	0.427	ug/l #	47
27) cis-1,2-Dichloroethene	4.57	96	8528	4.435	ug/l	85
31) Cyclohexane	5.64	56	3059	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	11679	4.929	ug/l #	50
38) Carbon Tetrachloride	5.64	117	14300	6.604	ug/l #	17
44) Trichloroethene	7.20	130	3593	1.683	ug/l	98
59) 2-Hexanone	9.48	43	433	0.249	ug/l #	21
60) Dibromochloromethane	9.32	129	1200	0.688	ug/l #	11
64) Tetrachloroethene	9.32	164	1180	0.483	ug/l #	91
76) 1,2,3-Trichloropropane	11.12	75	65061	24.867	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	65061	56.016	ug/l #	14

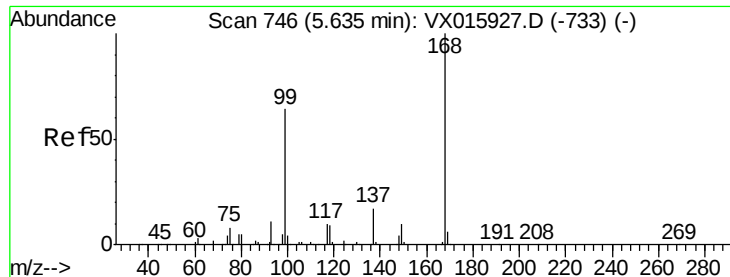
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

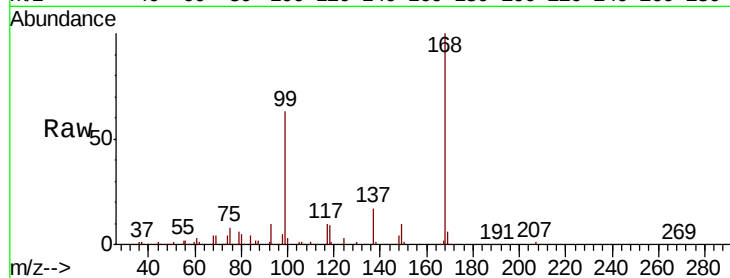
SS040MW041R-200423

Tot Ion:168 Resp: 133992

Ion Ratio Lower Upper

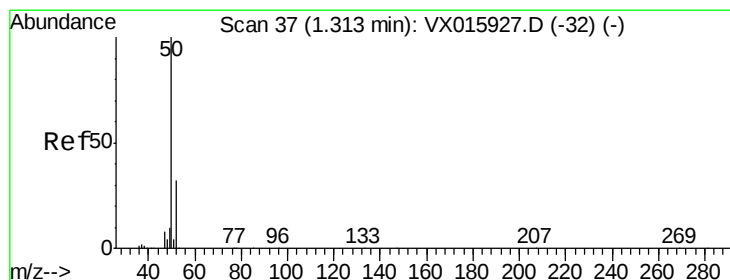
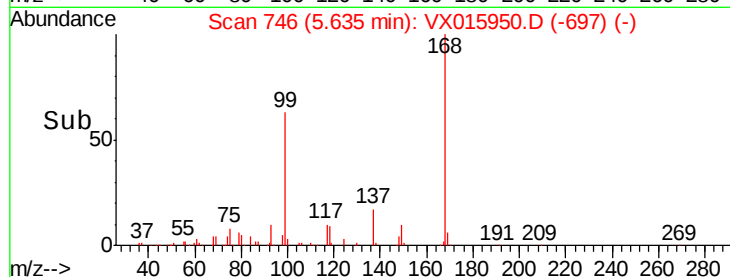
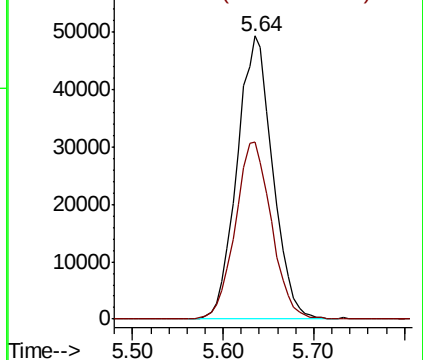
168 100

99 62.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015950.D

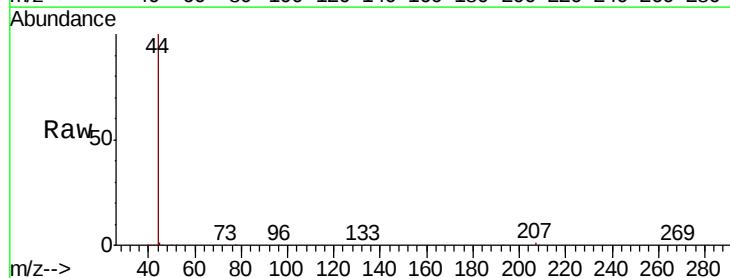
Acq: 24 Apr 2020 22:45

Tgt Ion: 50 Resp: 372

Ion Ratio Lower Upper

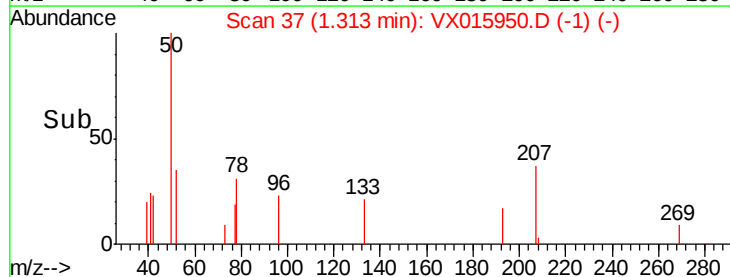
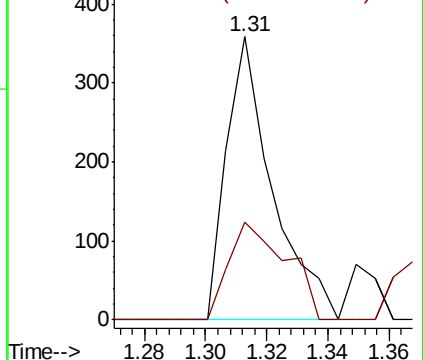
50 100

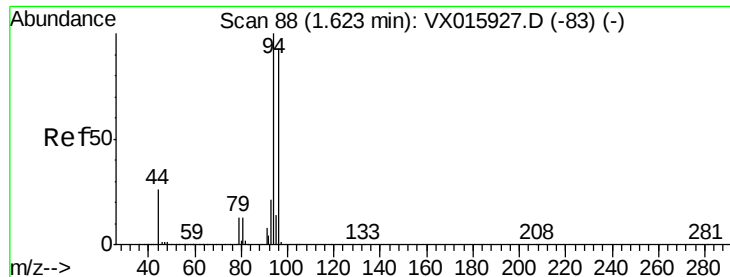
52 34.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.298 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

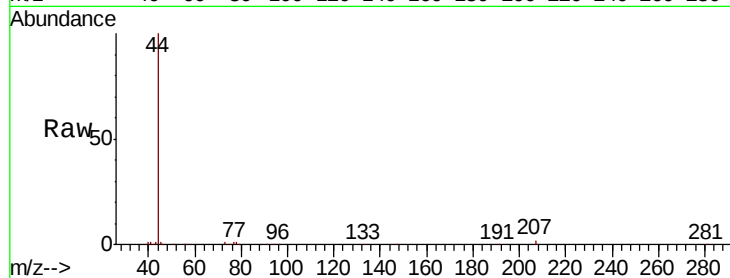
SS040MW041R-200423

Tot Ion: 94 Resp: 209

Ion Ratio Lower Upper

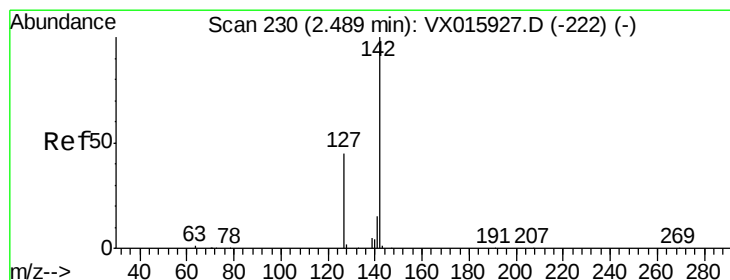
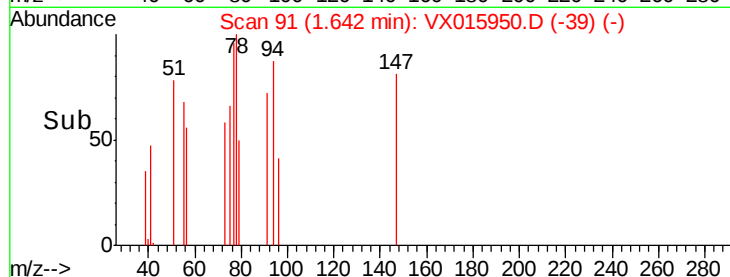
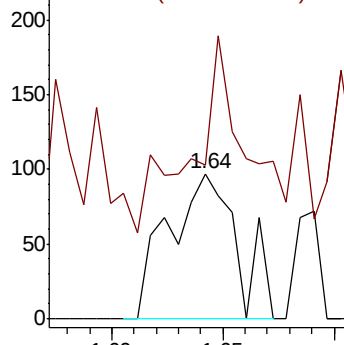
94 100

96 19.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.842 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

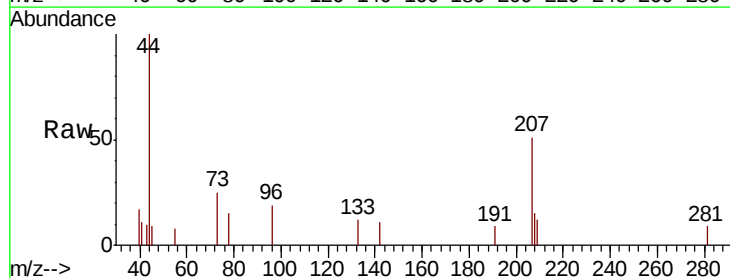
Tgt Ion: 142 Resp: 54

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

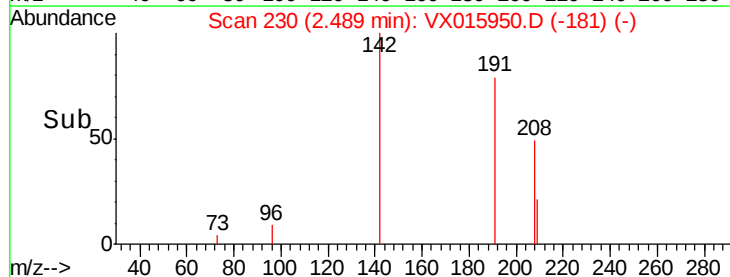
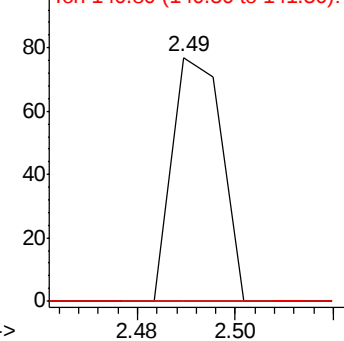
141 0.0 11.5 17.3#

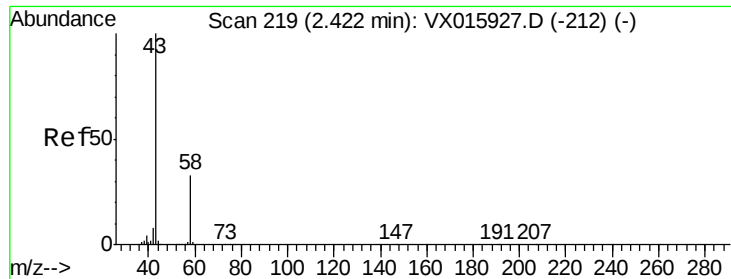


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 1.137 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

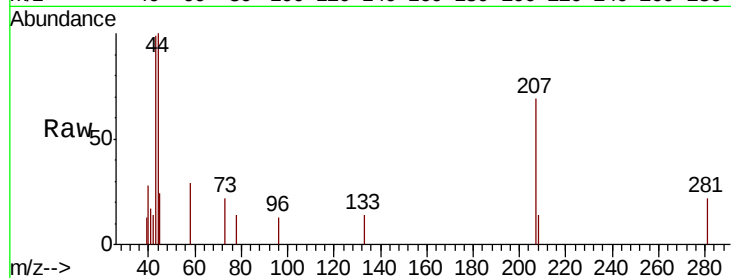
SS040MW041R-200423

Tot Ion: 43 Resp: 807

Ion Ratio Lower Upper

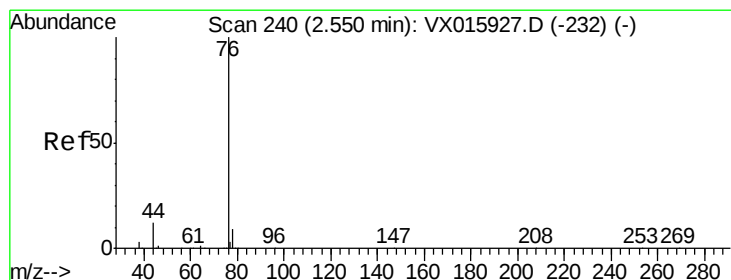
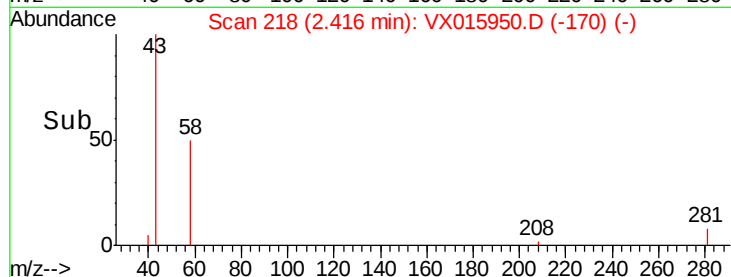
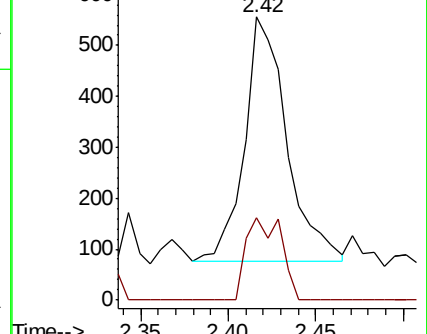
43 100

58 33.6 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: 0.448 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015950.D

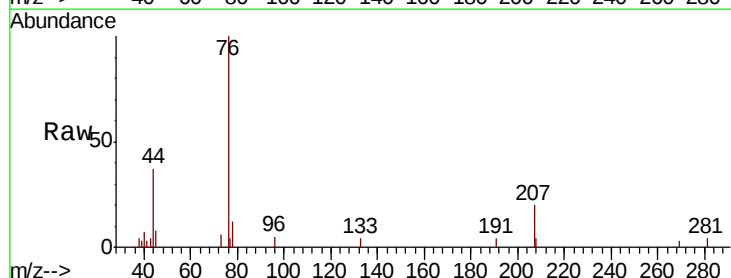
Acq: 24 Apr 2020 22:45

Tgt Ion: 76 Resp: 3115

Ion Ratio Lower Upper

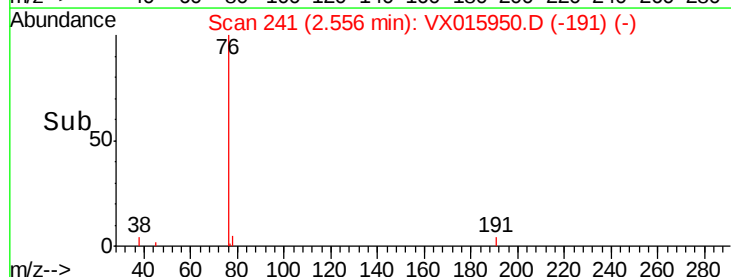
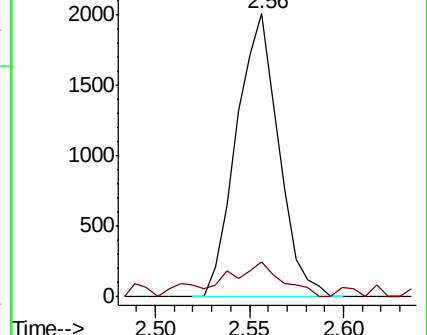
76 100

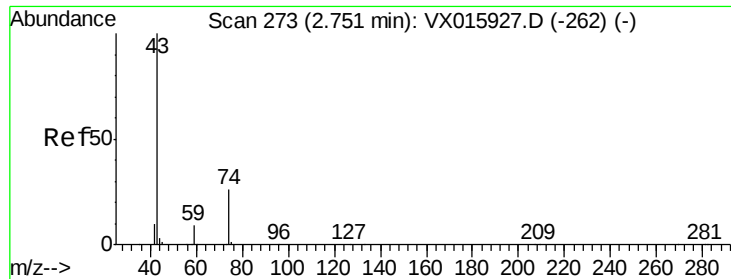
78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

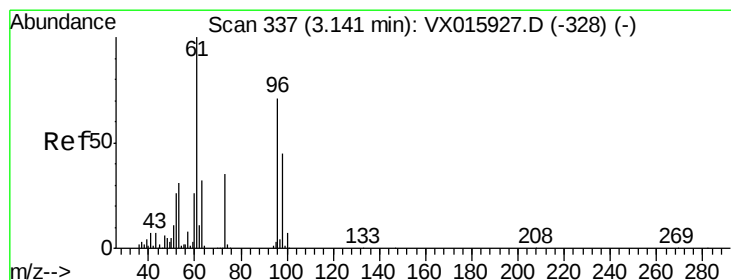
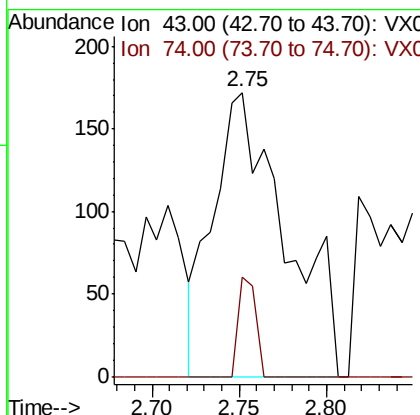
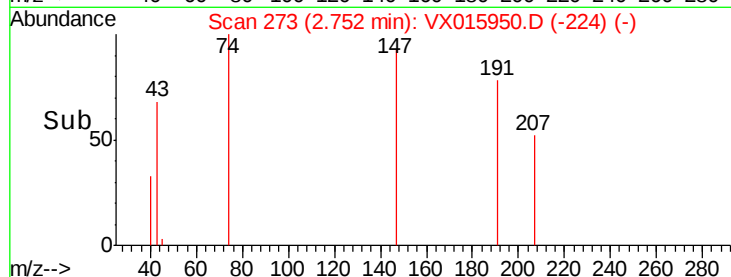
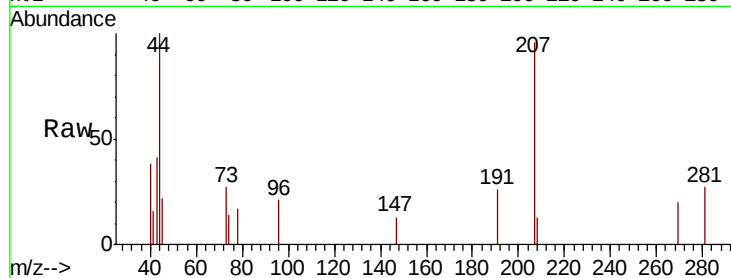




#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

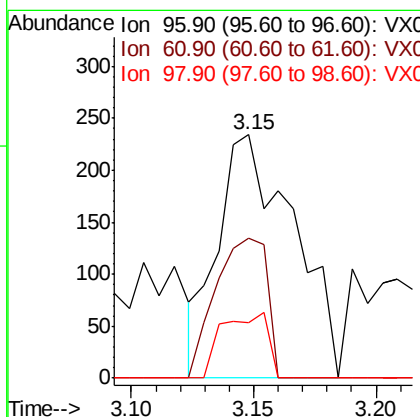
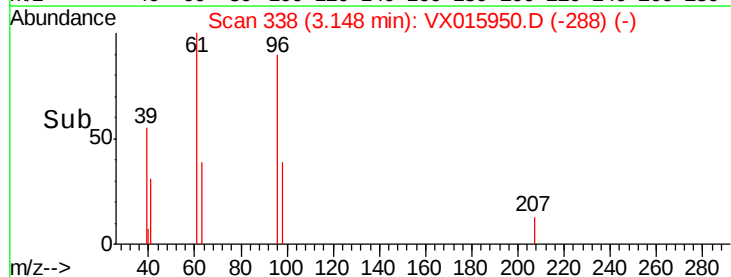
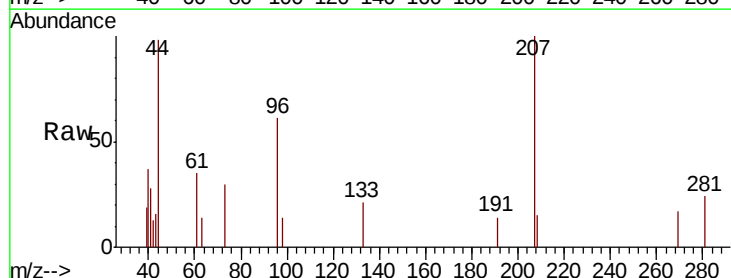
Instrument :
MSVOA_X
ClientSampleId :
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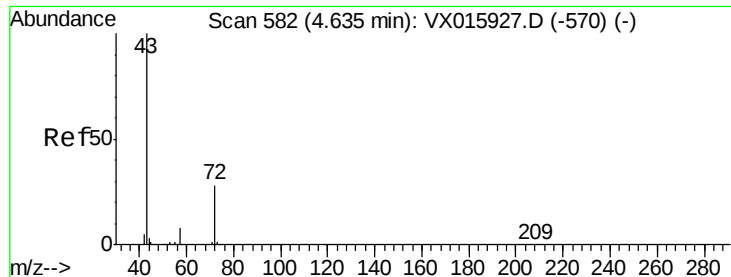
Tot Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
74 8.5 21.0 31.4#



#21
trans-1,2-Dichloroethene
Concen: 0.299 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

Tgt Ion: 96 Resp: 506
Ion Ratio Lower Upper
96 100
61 57.7 112.7 169.1#
98 22.6 51.0 76.4#





#25

2-Butanone

Concen: 0.427 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

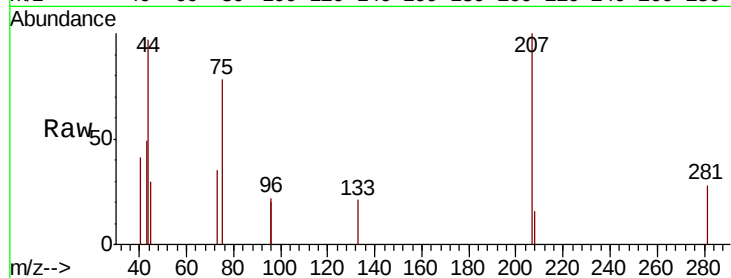
SS040MW041R-200423

Tot Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

150

100

50

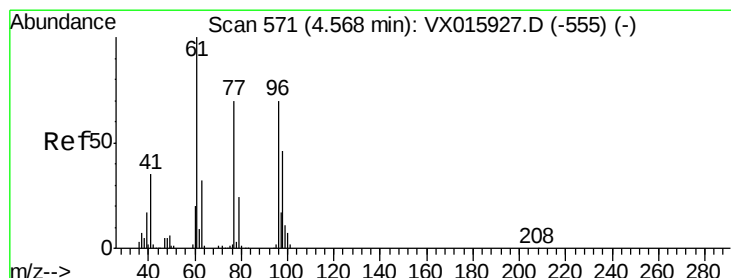
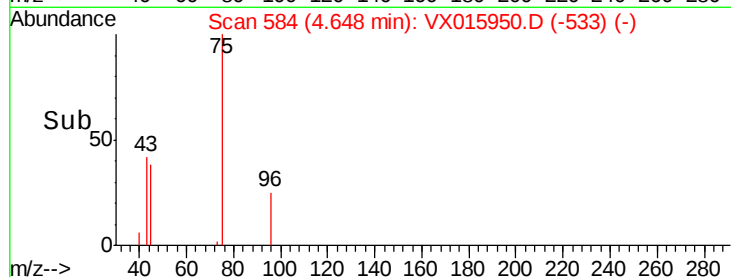
0

4.60

4.65

4.70

Time-->



#27

cis-1,2-Dichloroethene

Concen: 4.435 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

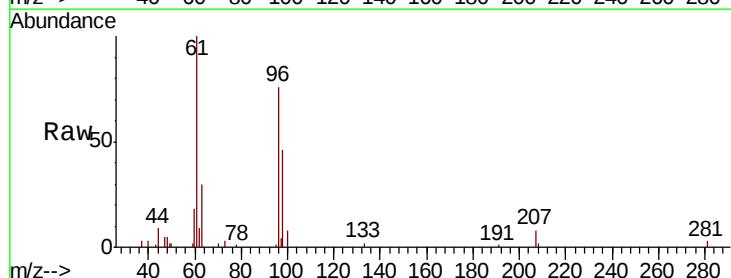
Tgt Ion: 96 Resp: 8528

Ion Ratio Lower Upper

96 100

61 124.3 0.0 293.4

98 59.0 0.0 129.0



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

5000

4000

3000

2000

1000

0

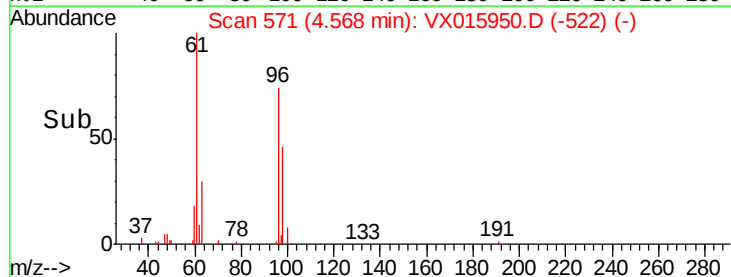
4.50

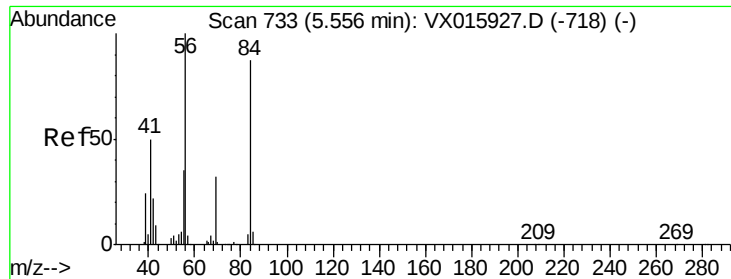
4.57

4.60

4.70

Time-->

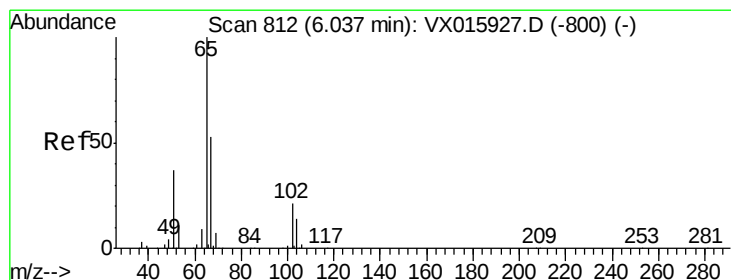
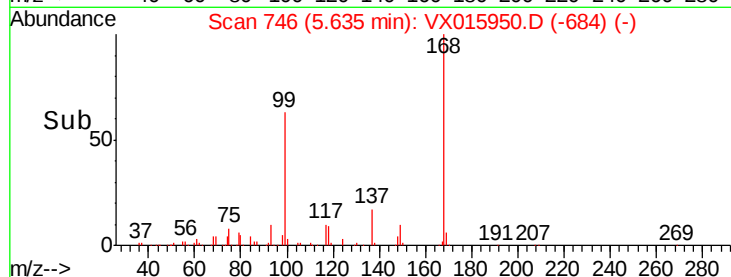
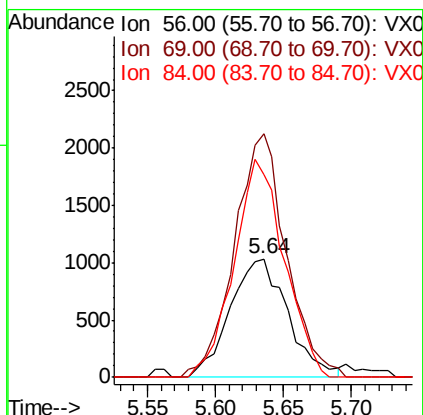
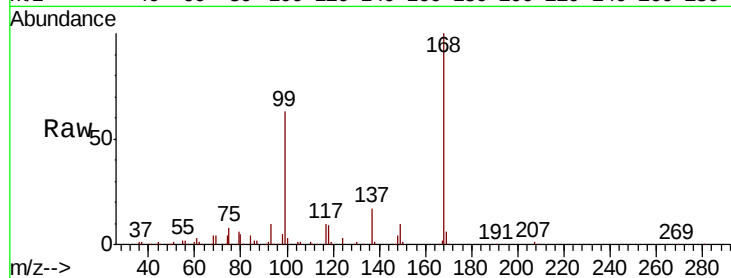




#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

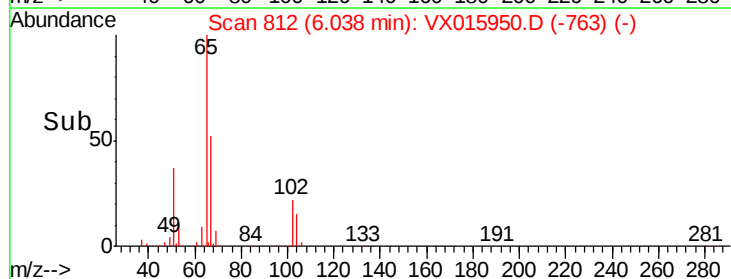
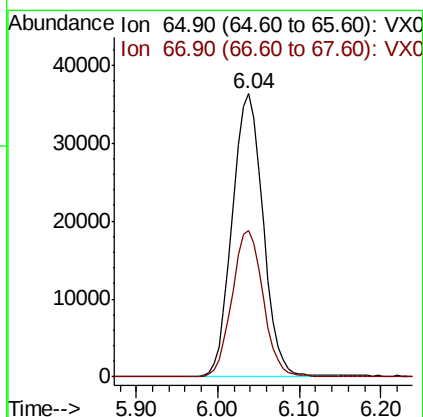
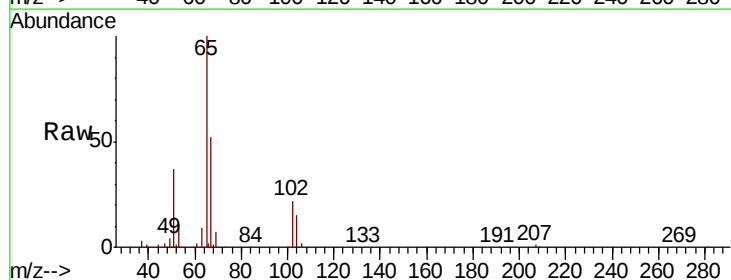
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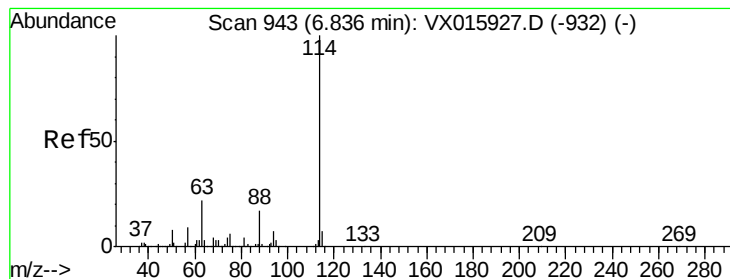
Tot Ion: 56 Resp: 3059
Ion Ratio Lower Upper
56 100
69 198.5 25.4 38.0#
84 171.6 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 50.400 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

Tgt Ion: 65 Resp: 95356
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

SS040MW041R-200423

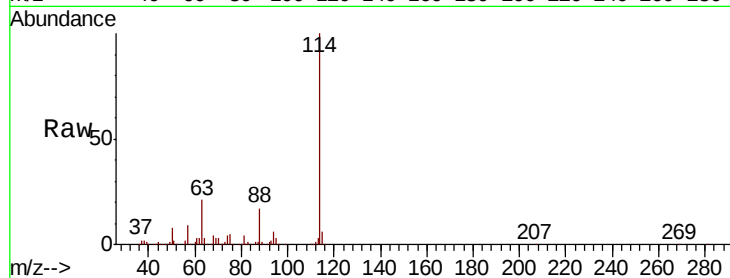
Tot Ion:114 Resp: 248284

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.4

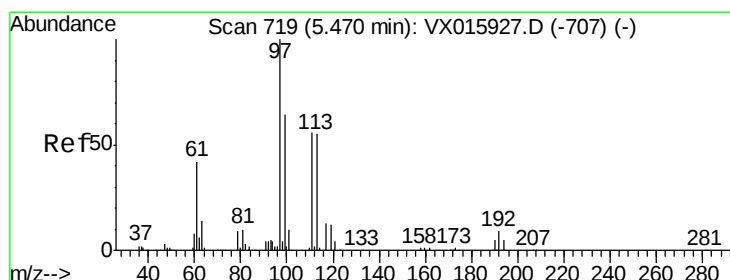
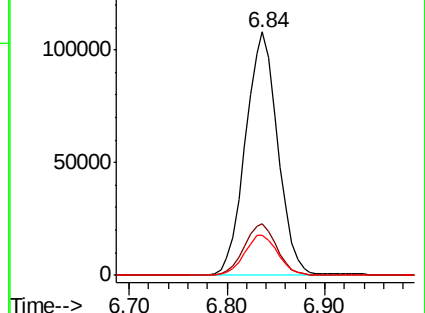
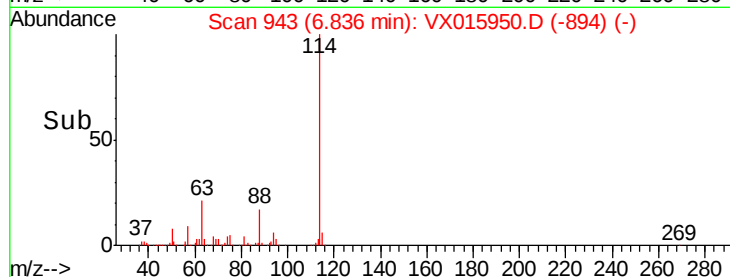
88 16.5 0.0 34.2



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: 54.272 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

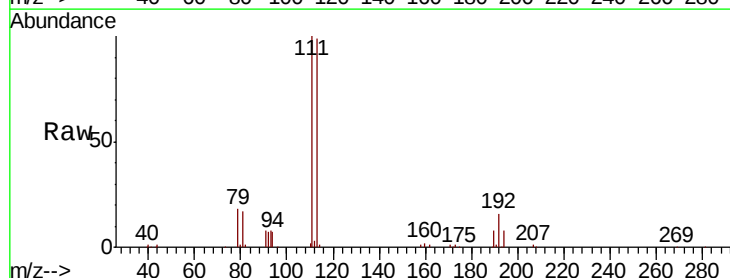
Tgt Ion:113 Resp: 73490

Ion Ratio Lower Upper

113 100

111 103.1 81.2 121.8

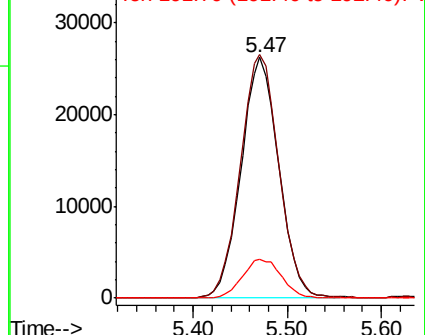
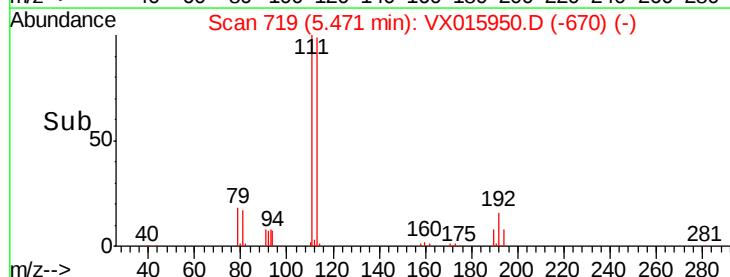
192 16.8 13.6 20.4

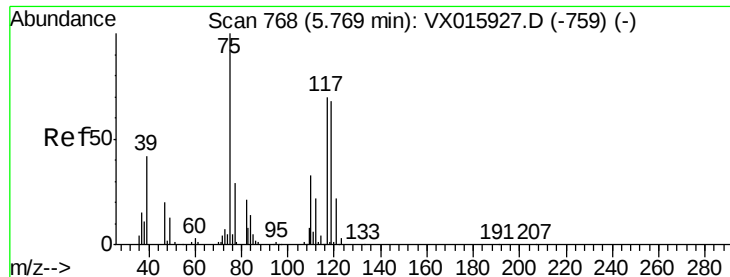


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

SS040MW041R-200423

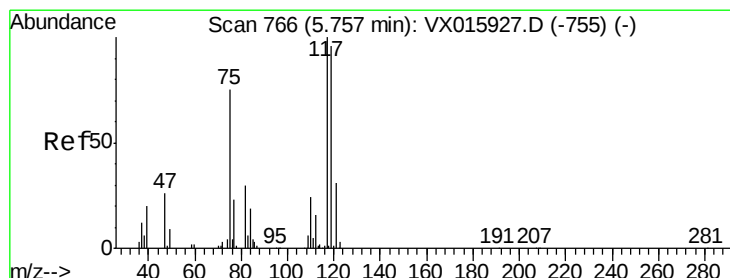
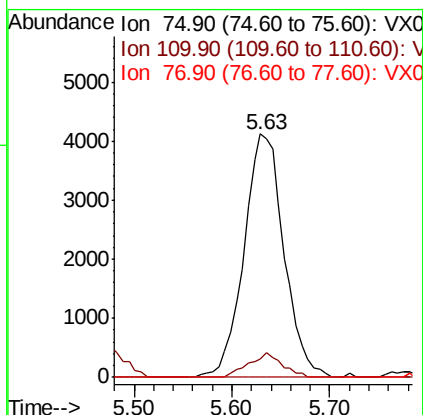
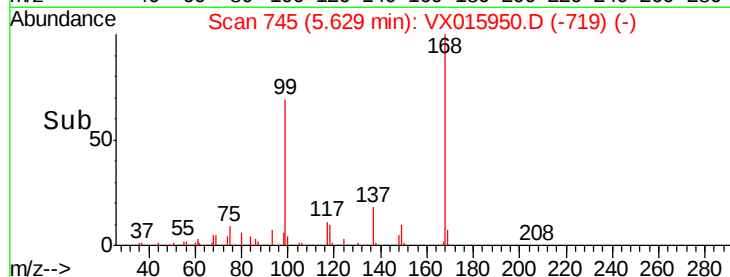
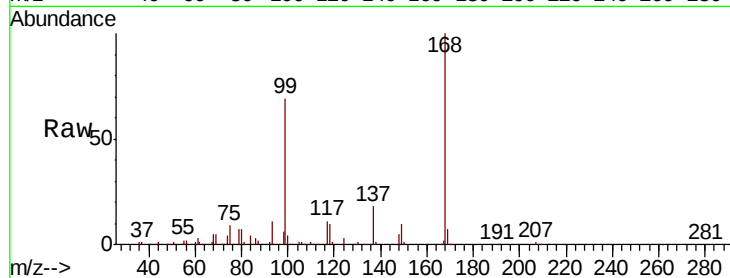
Tot Ion: 75 Resp: 11679

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.604 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

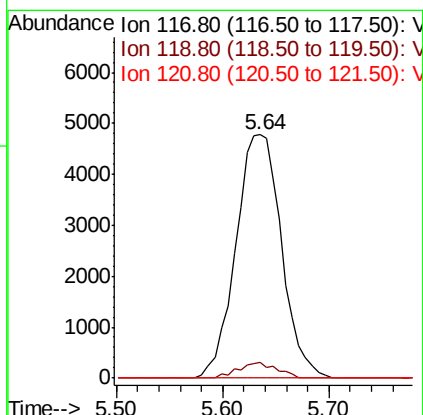
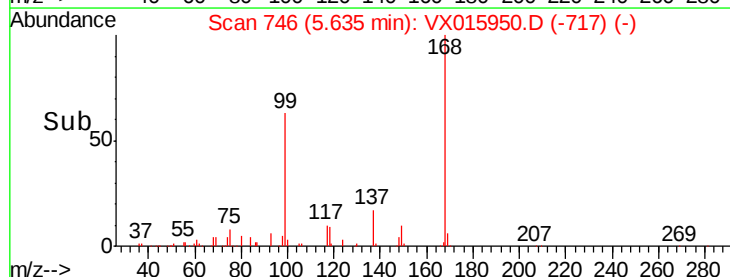
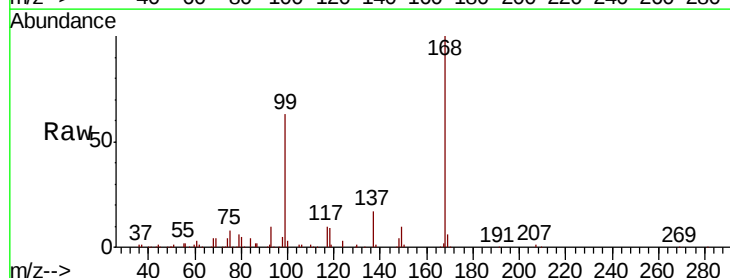
Tgt Ion:117 Resp: 14300

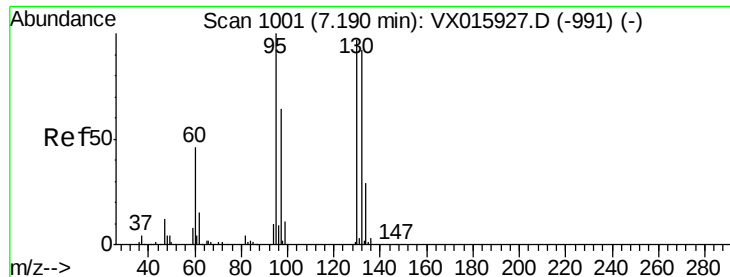
Ion Ratio Lower Upper

117 100

119 6.7 77.0 115.6#

121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 1.683 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

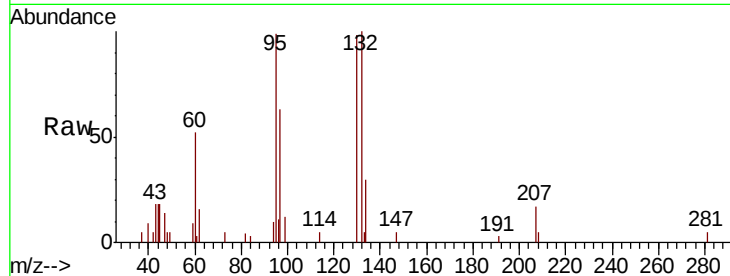
SS040MW041R-200423

Tot Ion:130 Resp: 3593

Ion Ratio Lower Upper

130 100

95 100.9 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

1500

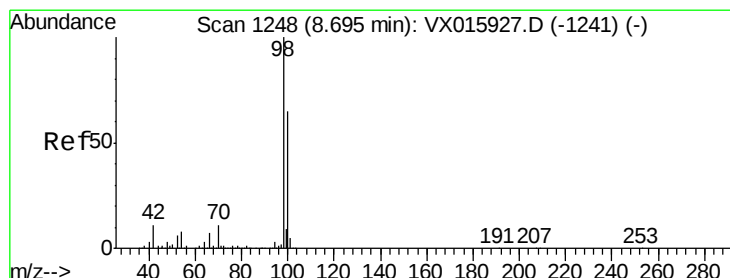
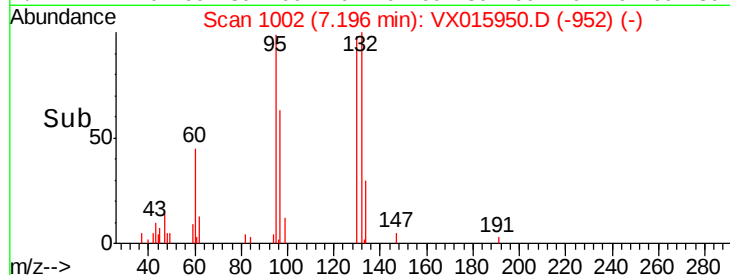
1000

500

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 55.268 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015950.D

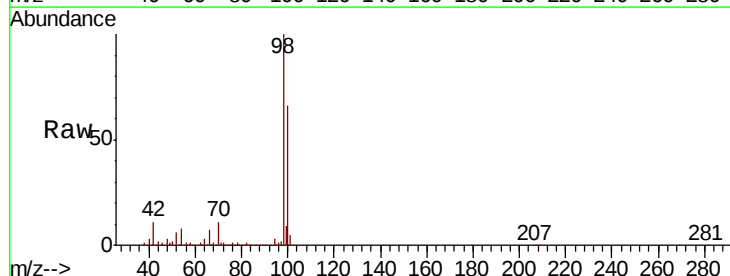
Acq: 24 Apr 2020 22:45

Tgt Ion: 98 Resp: 316844

Ion Ratio Lower Upper

98 100

100 67.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

200000

150000

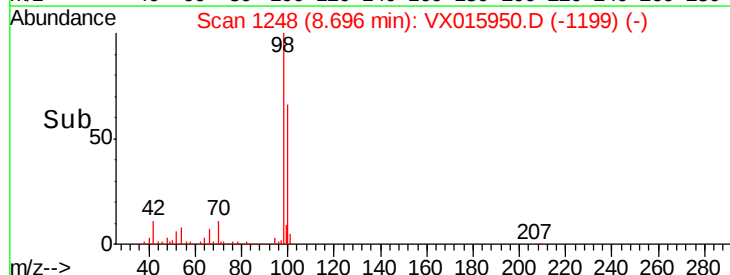
100000

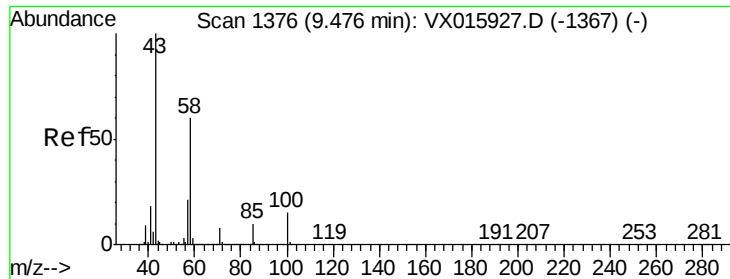
50000

0

8.60 8.70 8.80 8.90 9.00

Time-->

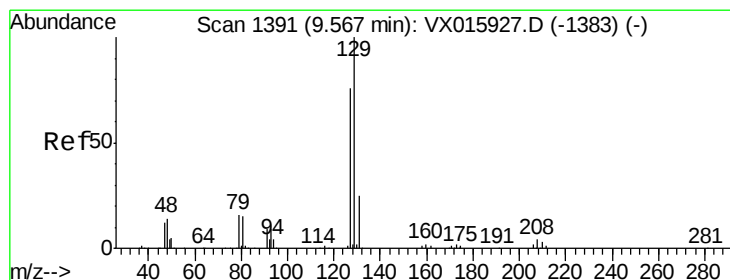
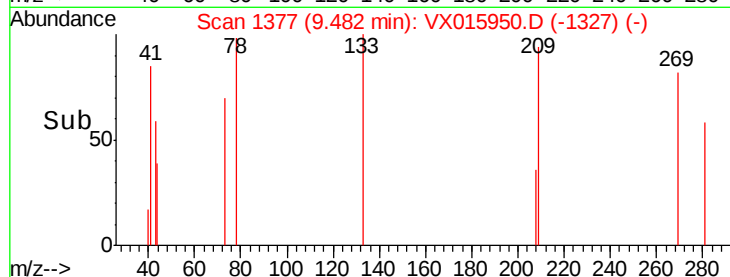
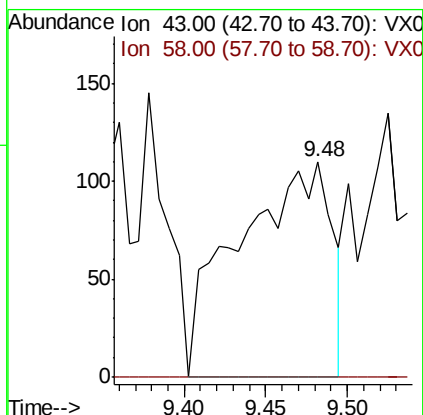
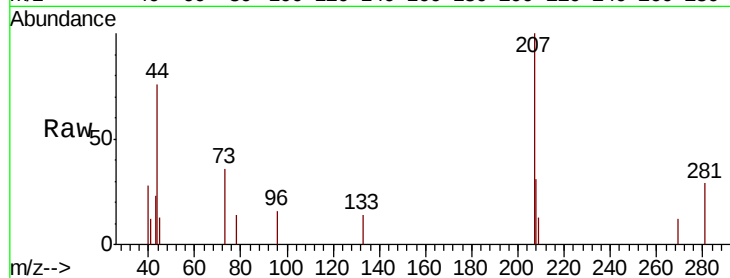




#59
2-Hexanone
Concen: 0.249 ug/l
RT: 9.48 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

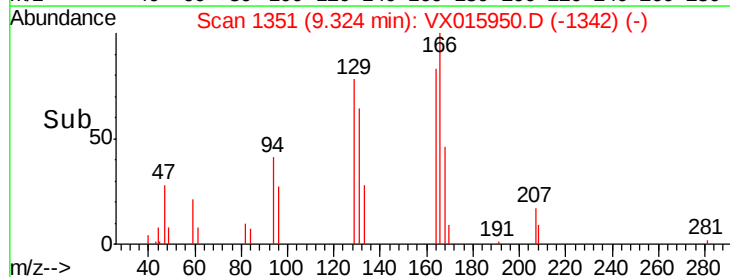
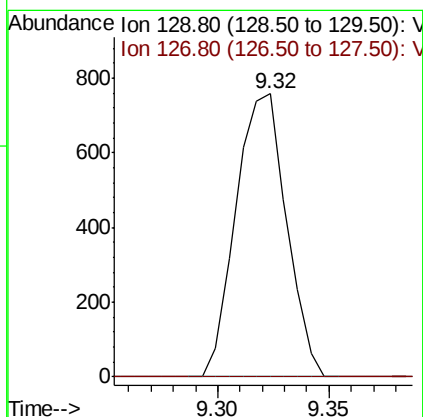
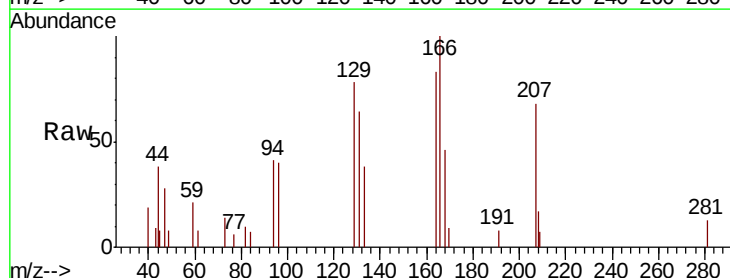
Instrument :
MSVOA_X
ClientSampleId :
SS040MW041R-200423

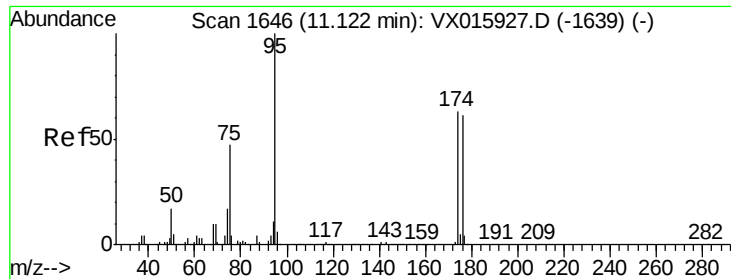
Tot Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#60
Dibromochloromethane
Concen: 0.688 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. -0.24 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

Tgt Ion:129 Resp: 1200
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#





#62

4-Bromofluorobenzene

Concen: 55.950 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

Instrument :

MSVOA_X

ClientSampleId :

SS040MW041R-200423

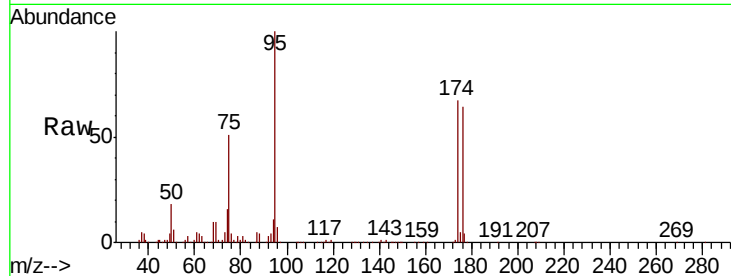
Tot Ion: 95 Resp: 130098

Ion Ratio Lower Upper

95 100

174 66.3 0.0 133.6

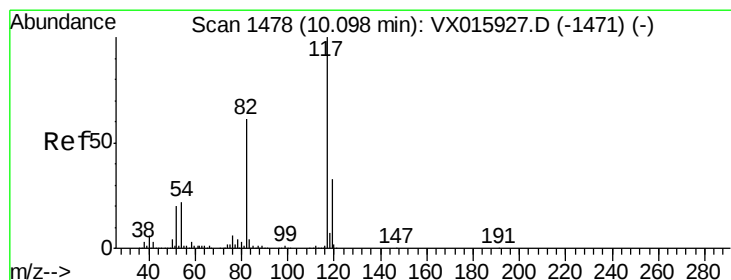
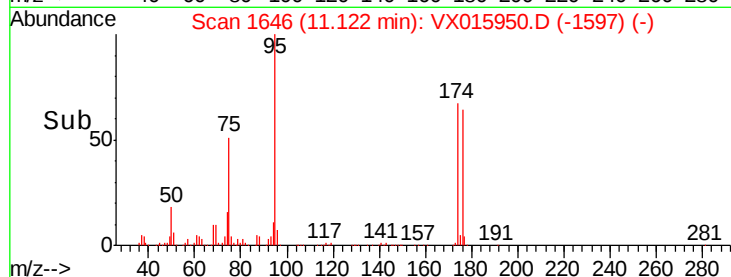
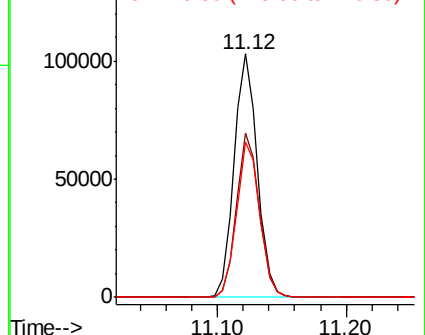
176 63.4 0.0 126.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015950.D

Acq: 24 Apr 2020 22:45

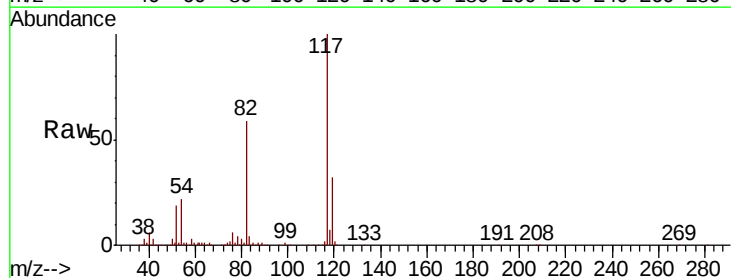
Tgt Ion: 117 Resp: 245623

Ion Ratio Lower Upper

117 100

82 59.2 48.5 72.7

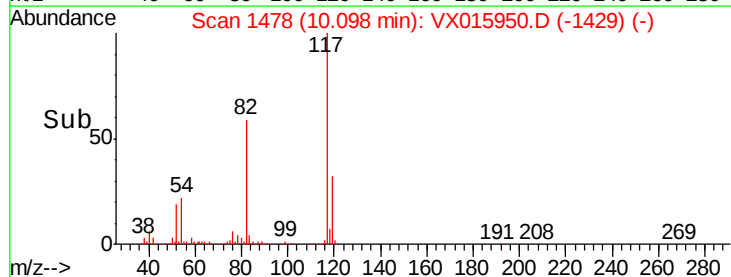
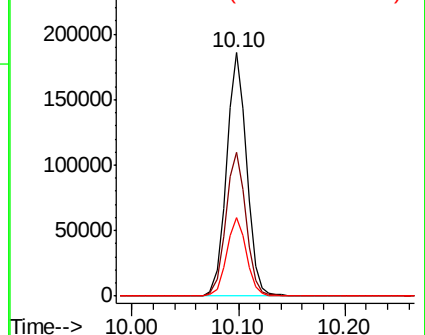
119 32.4 26.2 39.4

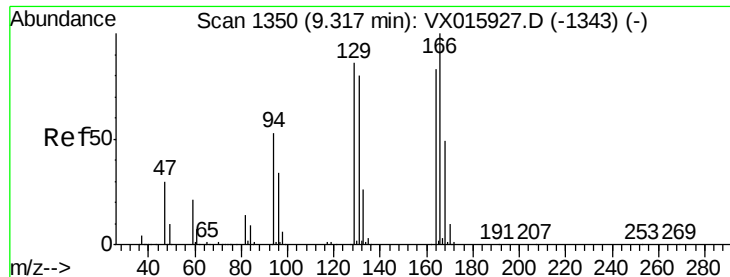


Abundance Ion 116.90 (116.60 to 117.60): VX015927.D (-1471) (-)

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

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

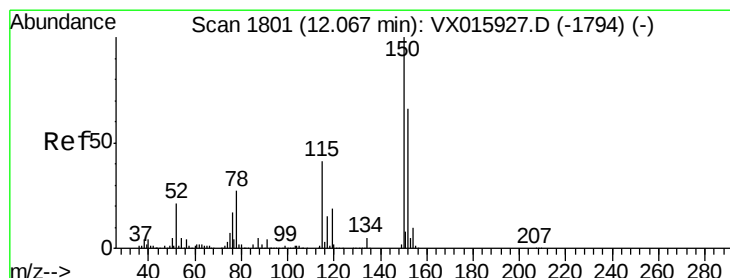
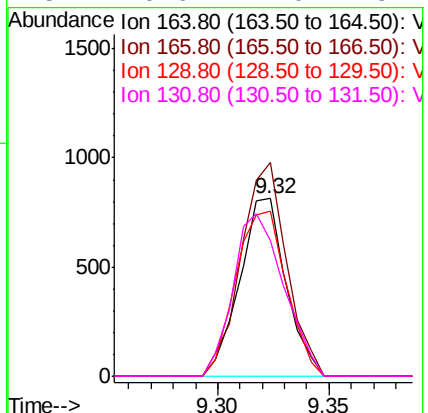
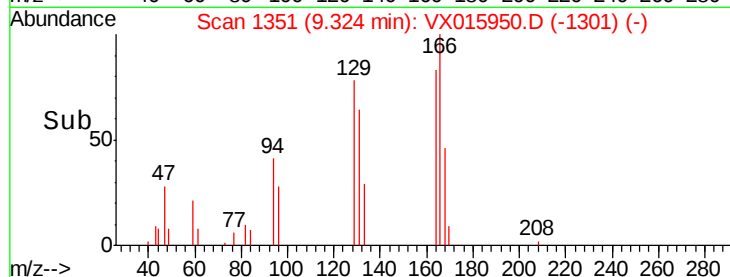
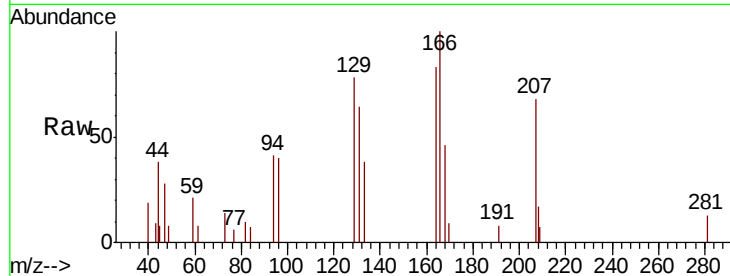




#64
Tetrachloroethene
Concen: 0.483 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

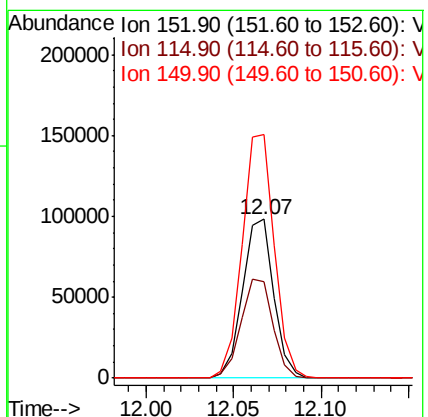
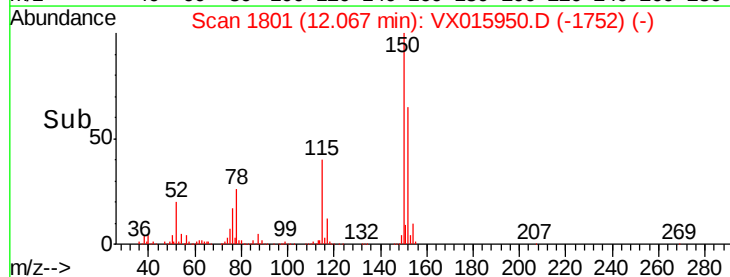
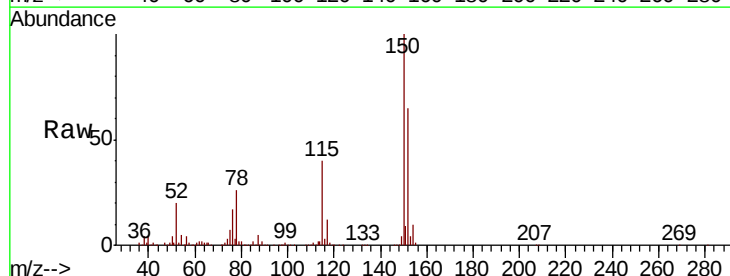
Instrument :
MSVOA_X
ClientSampleId :
SS040MW041R-200423

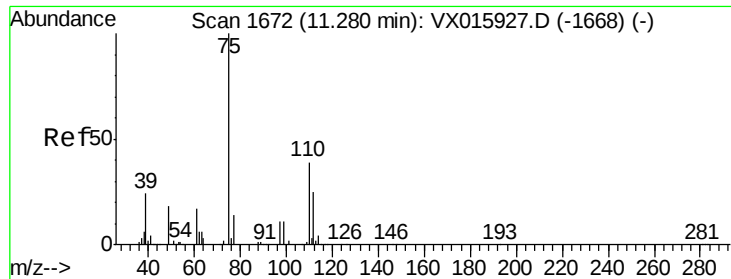
Tot Ion:164 Resp: 1180
Ion Ratio Lower Upper
164 100
166 120.3 96.7 145.1
129 93.2 82.8 124.2
131 76.6 77.0 115.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015950.D
Acq: 24 Apr 2020 22:45

Tgt Ion:152 Resp: 121969
Ion Ratio Lower Upper
152 100
115 64.2 44.1 132.4
150 158.0 0.0 343.6

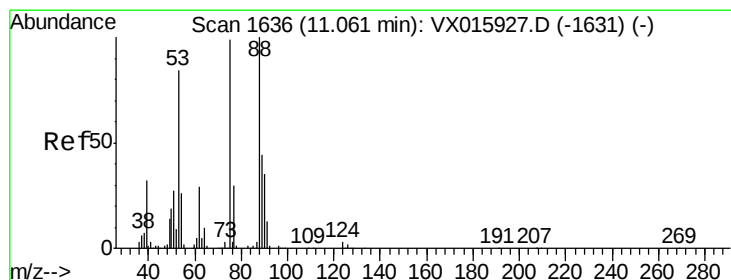
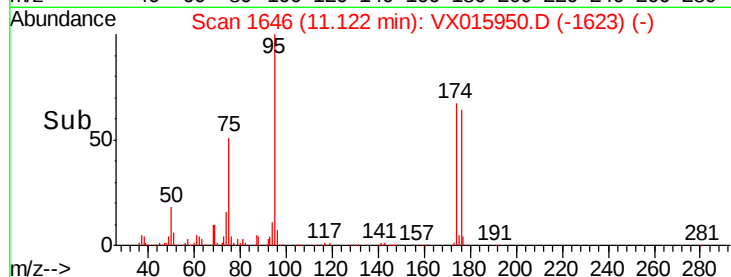
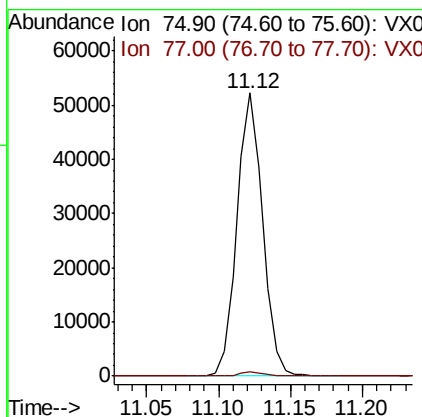
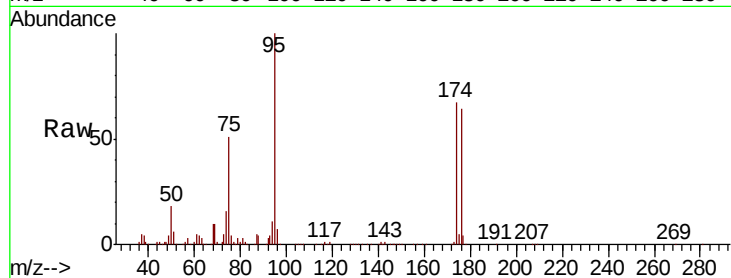




#76
 1,2,3-Trichloropropane
 Concen: 24.867 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX015950.D
 Acq: 24 Apr 2020 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW041R-200423

Tot Ion: 75 Resp: 65061
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.016 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015950.D
 Acq: 24 Apr 2020 22:45

Tgt Ion: 75 Resp: 65061
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

