

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015949.D
 Acq On : 24 Apr 2020 22:23
 Operator : JC/SP
 Sample : L2415-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW127-200423

Quant Time: Apr 25 06:55:39 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	126052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	239009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	234772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112061	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	92217	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.47	113	70852	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
50) Toluene-d8	8.70	98	304998	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
62) 4-Bromofluorobenzene	11.12	95	125704	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	

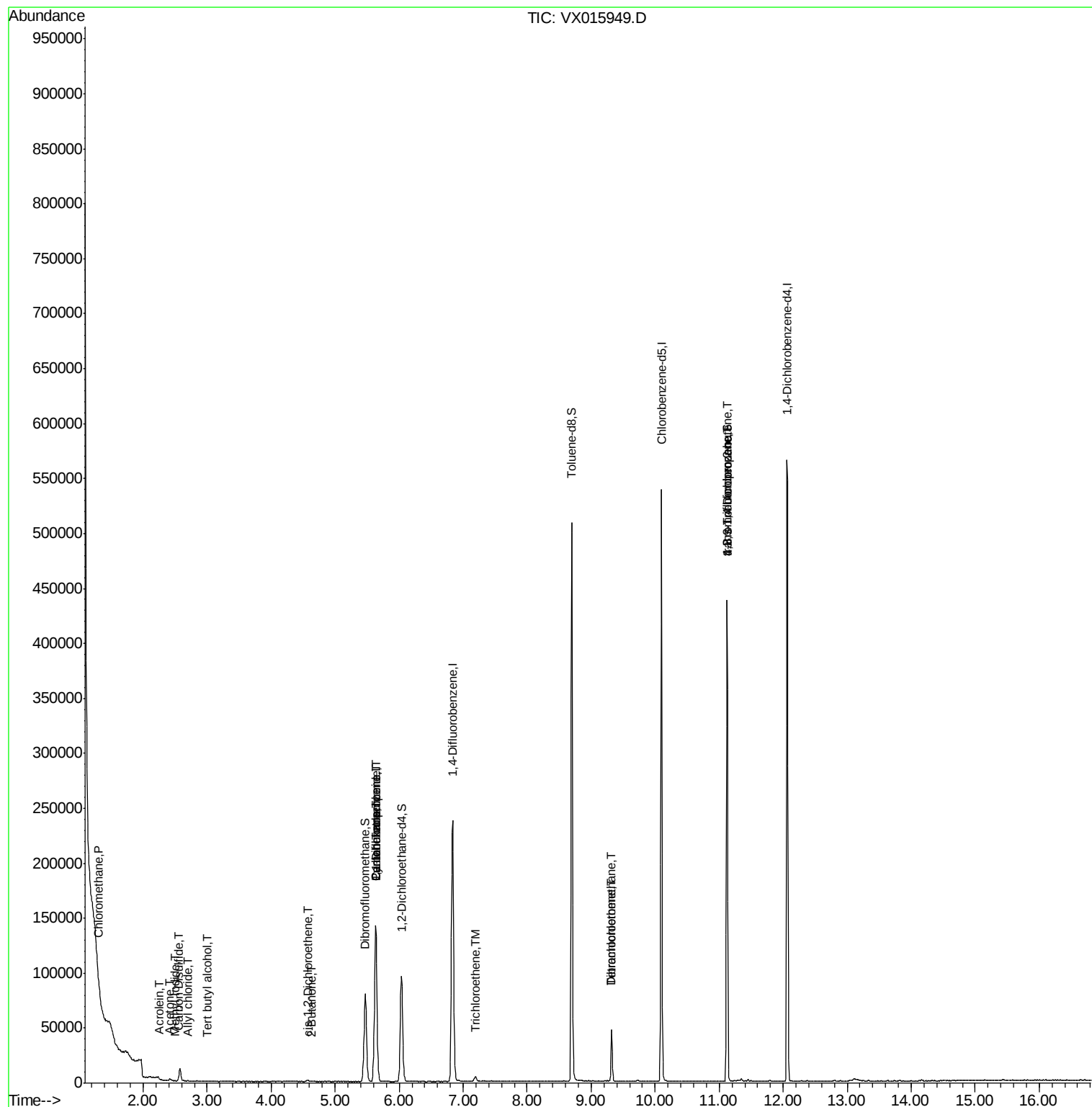
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	481	0.337	ug/l	100
10) Methyl Iodide	2.50	142	54	4.844	ug/l #	41
11) Tert butyl alcohol	3.01	59	90	0.235	ug/l #	72
13) Acrolein	2.26	56	56	0.236	ug/l #	15
14) Allyl chloride	2.69	41	546	0.216	ug/l #	37
16) Acetone	2.42	43	1805	2.704	ug/l	96
17) Carbon Disulfide	2.56	76	2123	0.241	ug/l #	90
25) 2-Butanone	4.64	43	250	0.230	ug/l #	47
27) cis-1,2-Dichloroethene	4.57	96	1423	0.787	ug/l	53
31) Cyclohexane	5.63	56	3110	1.165	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	11430	5.011	ug/l #	49
38) Carbon Tetrachloride	5.63	117	13936	6.686	ug/l #	16
44) Trichloroethene	7.20	130	1263	0.615	ug/l	93
60) Dibromochloromethane	9.32	129	8904	5.301	ug/l #	11
64) Tetrachloroethene	9.32	164	8573	3.670	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	62695	26.082	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	62695	58.752	ug/l #	14

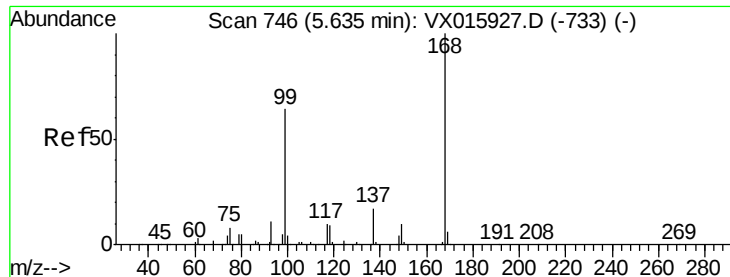
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

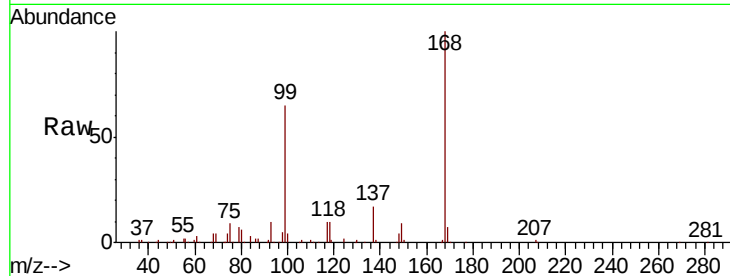
SS042MW127-200423

Tot Ion:168 Resp: 126052

Ion Ratio Lower Upper

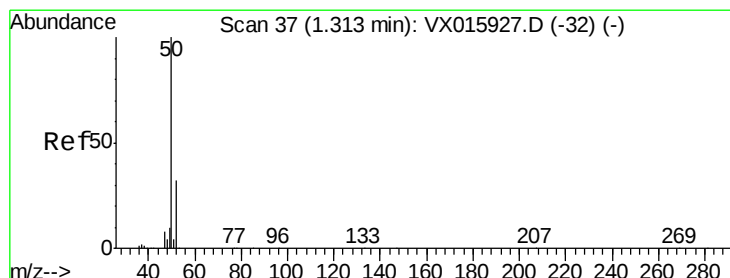
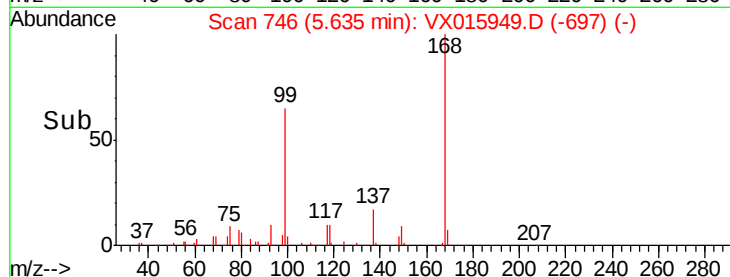
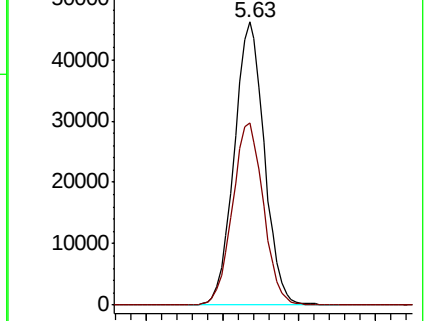
168 100

99 64.6 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: 0.337 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015949.D

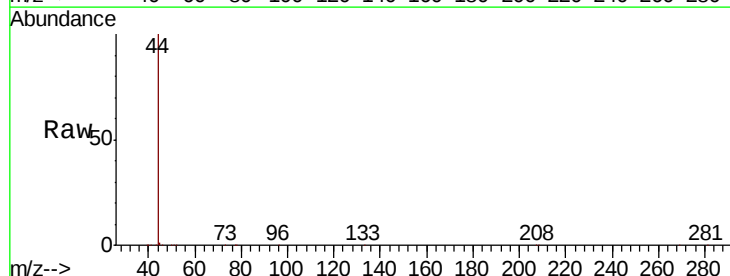
Acq: 24 Apr 2020 22:23

Tgt Ion: 50 Resp: 481

Ion Ratio Lower Upper

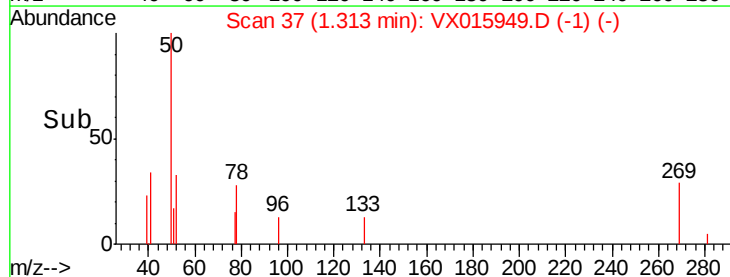
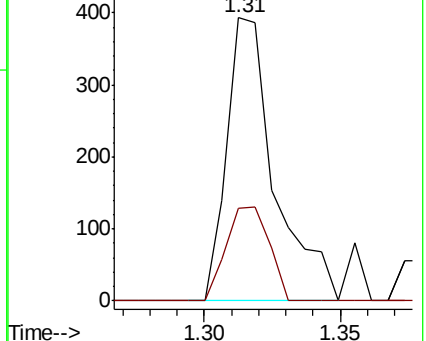
50 100

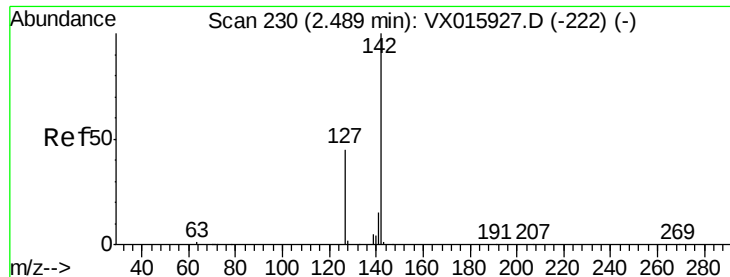
52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

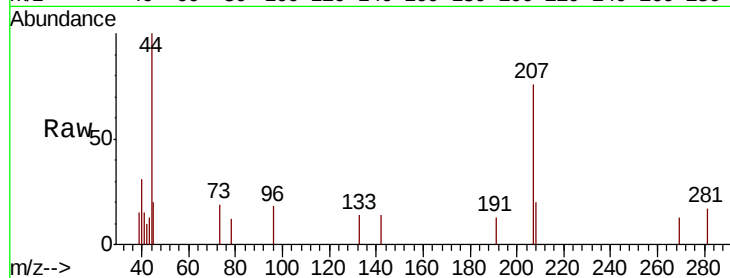




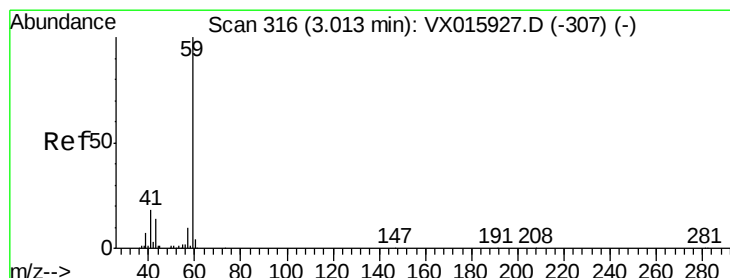
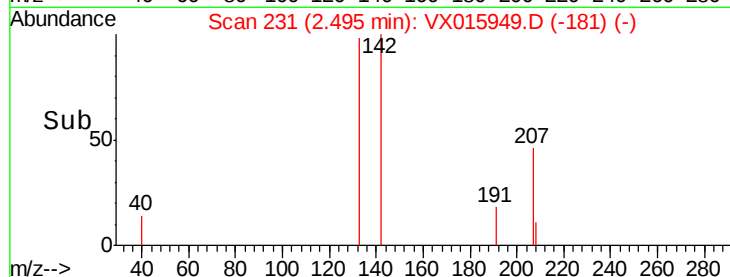
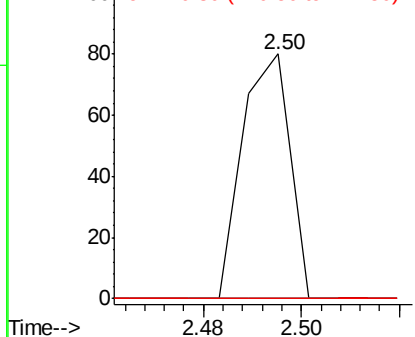
#10
Methyl Iodide
Concen: 4.844 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX015949.D
Acq: 24 Apr 2020 22:23

Instrument :
MSVOA_X
ClientSampleId :
SS042MW127-200423

Tot Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.5 17.3#

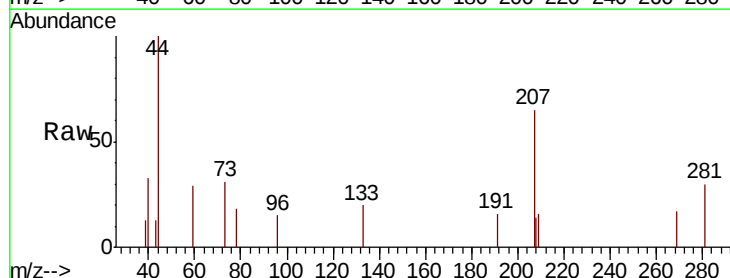


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

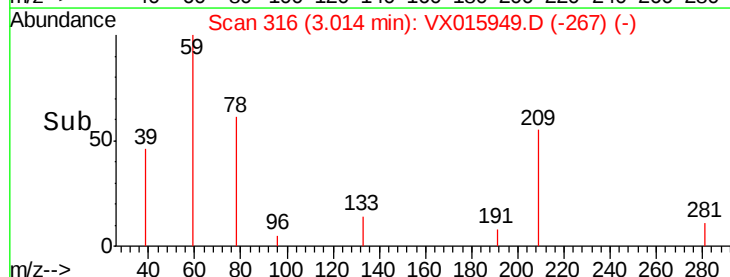
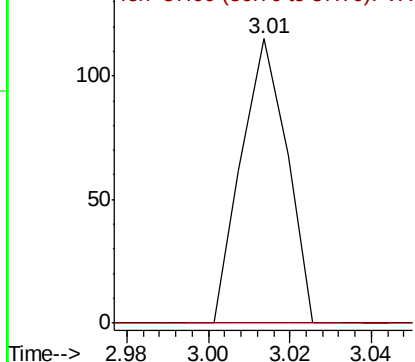


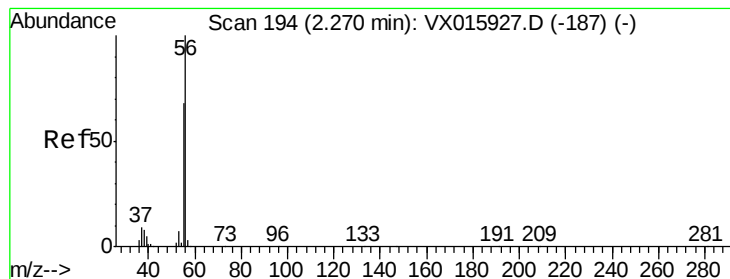
#11
Tert butyl alcohol
Concen: 0.235 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015949.D
Acq: 24 Apr 2020 22:23

Tgt Ion: 59 Resp: 90
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: 0.236 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

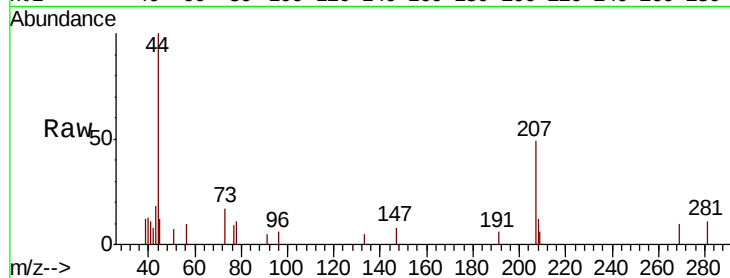
SS042MW127-200423

Tot Ion: 56 Resp: 56

Ion Ratio Lower Upper

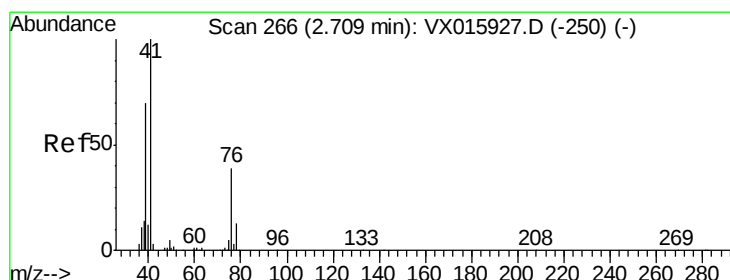
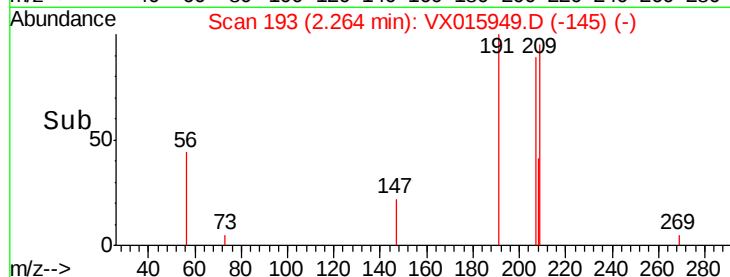
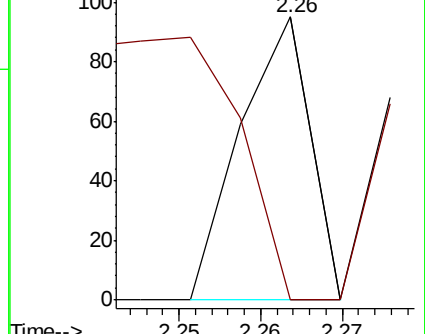
56 100

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

Allyl chloride

Concen: 0.216 ug/l

RT: 2.69 min Scan# 263

Delta R.T. -0.02 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

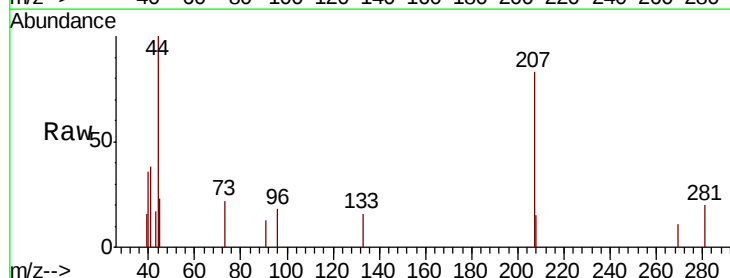
Tgt Ion: 41 Resp: 546

Ion Ratio Lower Upper

41 100

39 13.9 51.6 77.4#

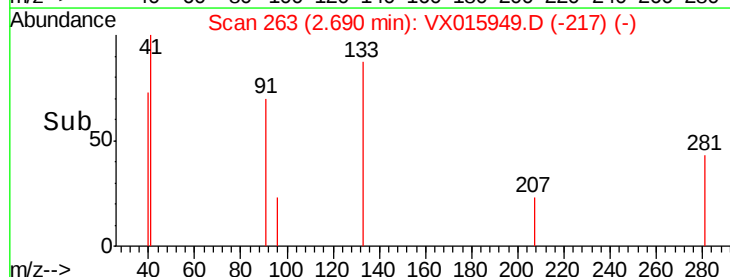
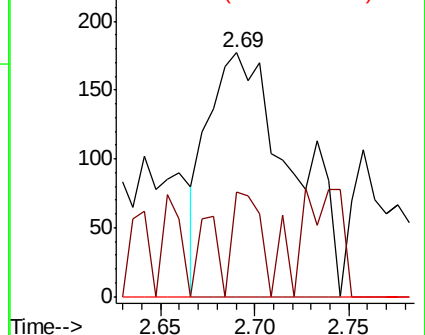
76 0.0 29.3 43.9#

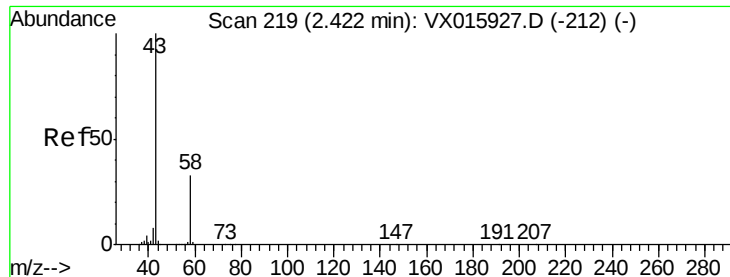


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 2.704 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

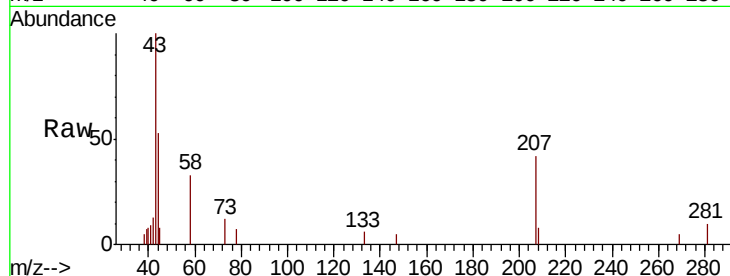
SS042MW127-200423

Tot Ion: 43 Resp: 1805

Ion Ratio Lower Upper

43 100

58 35.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1200

1000

800

600

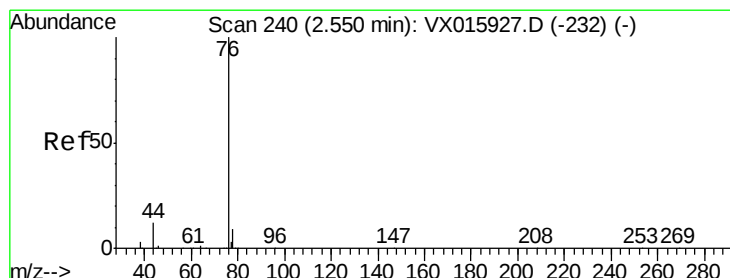
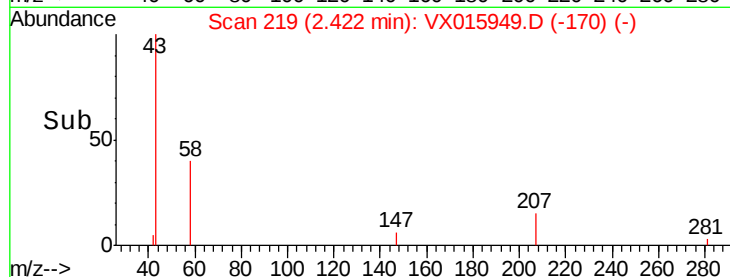
400

200

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015949.D

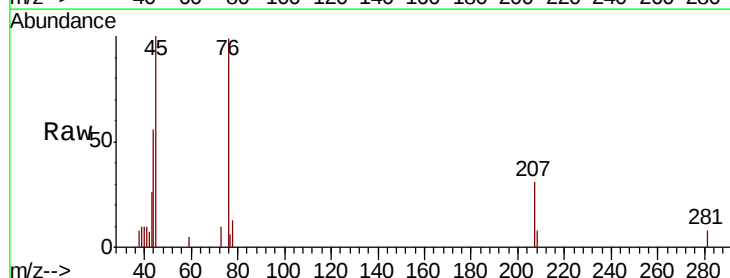
Acq: 24 Apr 2020 22:23

Tgt Ion: 76 Resp: 2123

Ion Ratio Lower Upper

76 100

78 13.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

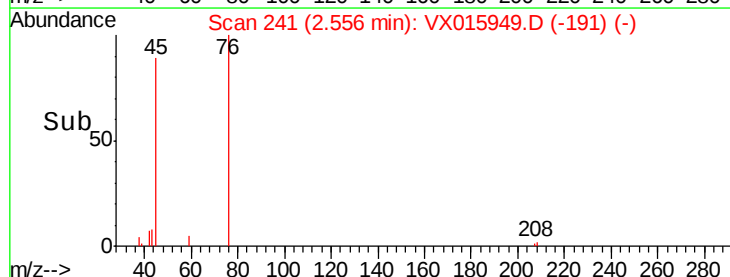
1000

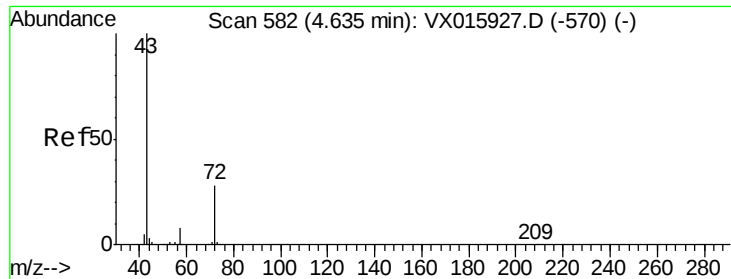
500

0

Time-->

2.50 2.55 2.60





#25

2-Butanone

Concen: 0.230 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

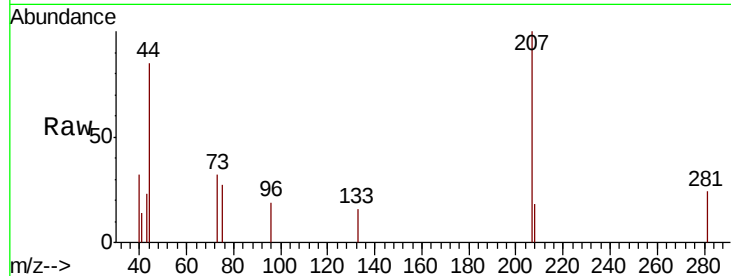
SS042MW127-200423

Tot Ion: 43 Resp: 250

Ion Ratio Lower Upper

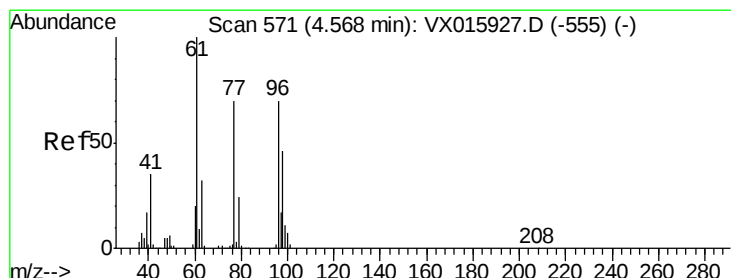
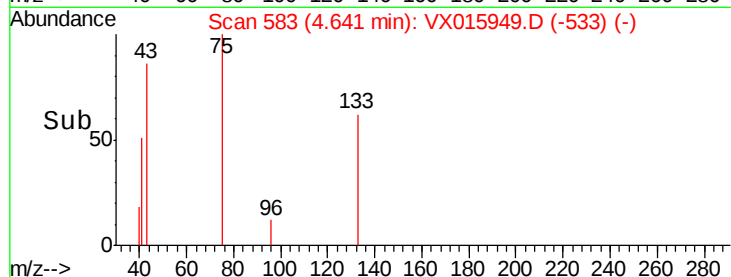
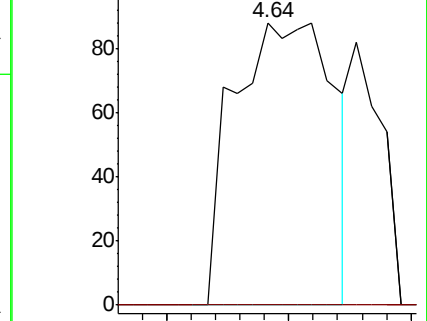
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 0.787 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

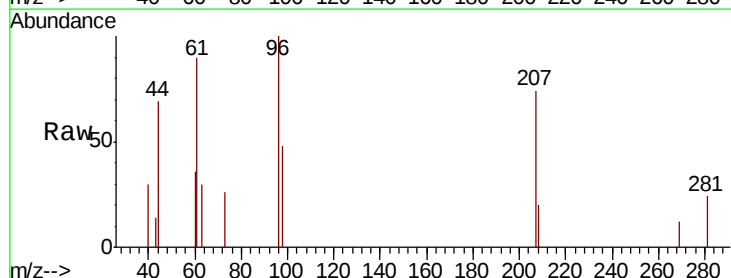
Tgt Ion: 96 Resp: 1423

Ion Ratio Lower Upper

96 100

61 81.5 0.0 293.4

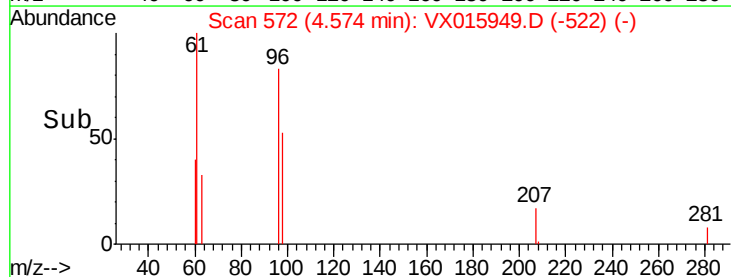
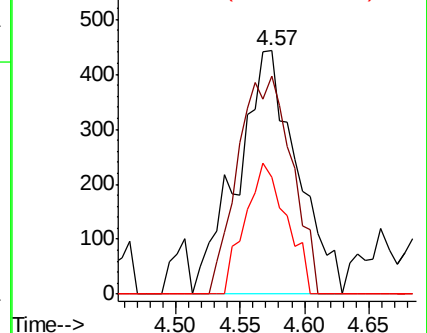
98 37.4 0.0 129.0

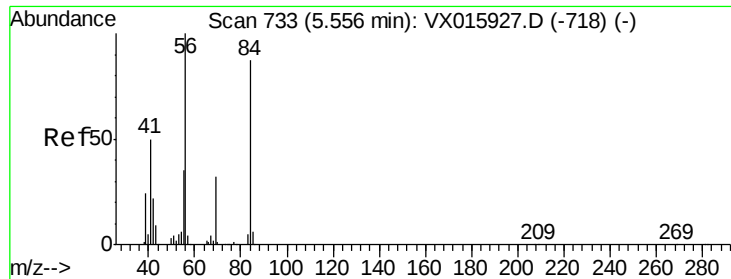


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

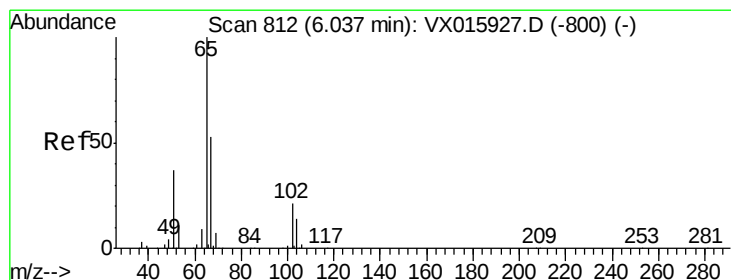
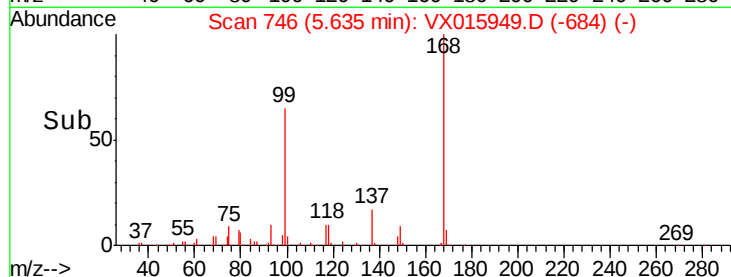
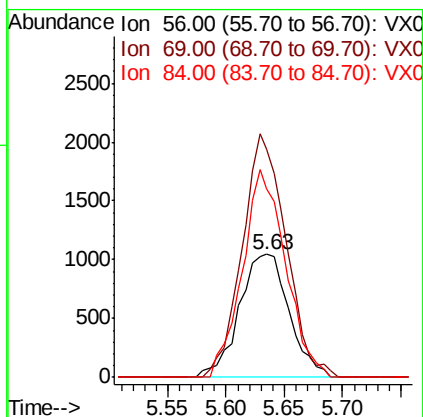
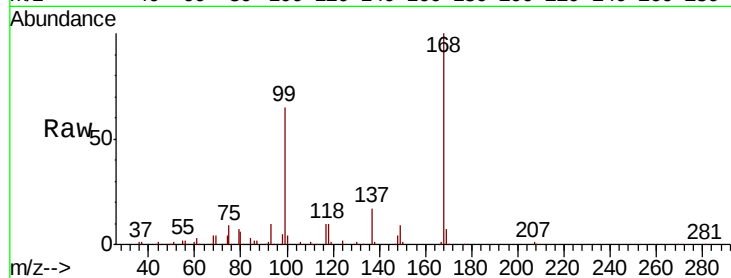




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015949.D
Acq: 24 Apr 2020 22:23

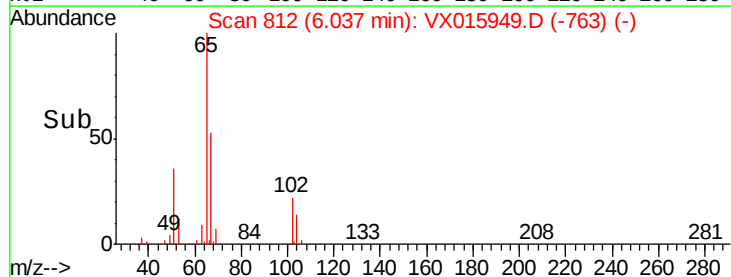
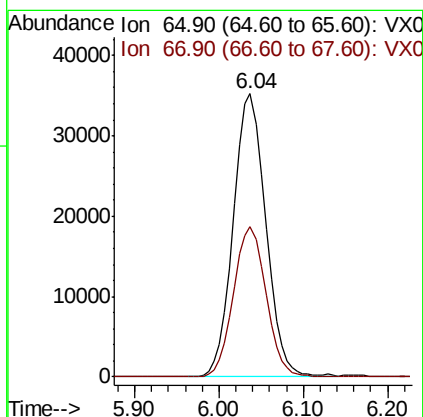
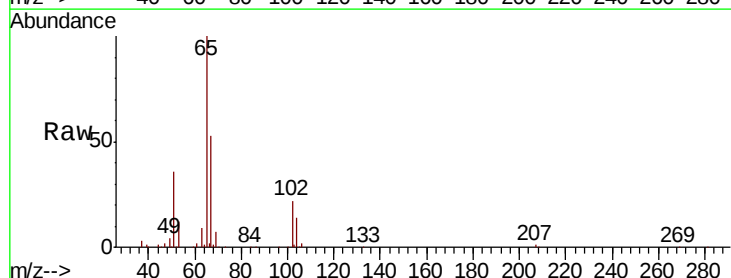
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SS042MW127-200423

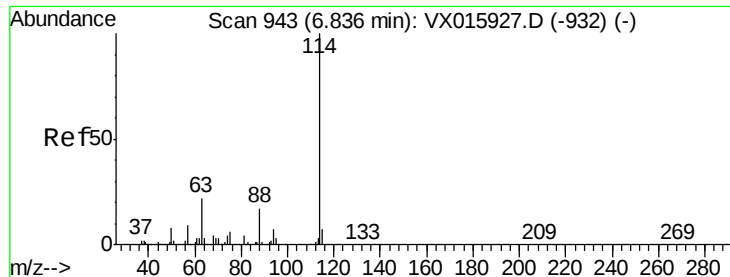
Tot Ion: 56 Resp: 3110
Ion Ratio Lower Upper
56 100
69 185.7 25.4 38.0#
84 152.7 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 51.811 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015949.D
Acq: 24 Apr 2020 22:23

Tgt Ion: 65 Resp: 92217
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

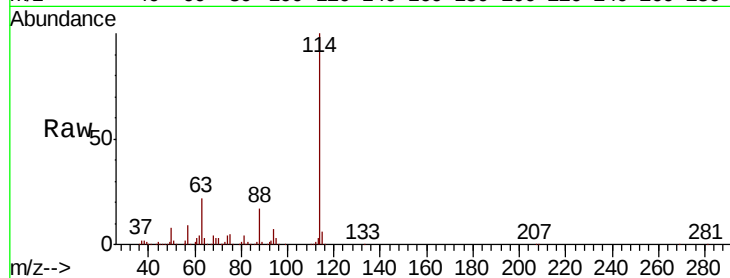




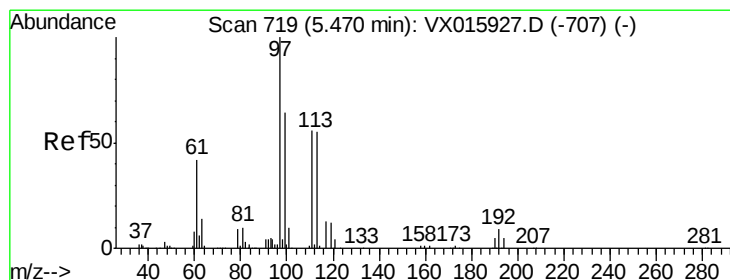
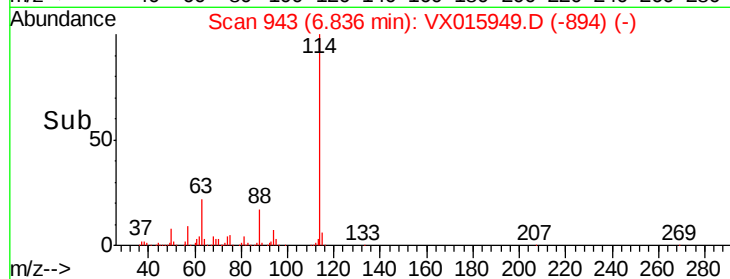
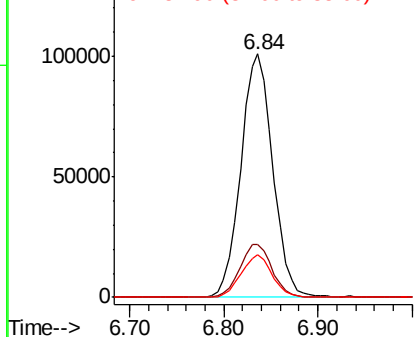
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VX015949.D
 Acq: 24 Apr 2020 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW127-200423

Tot Ion:114	Resp:	239009
Ion Ratio	Lower	Upper
114 100		
63 21.7	0.0	44.4
88 17.3	0.0	34.2

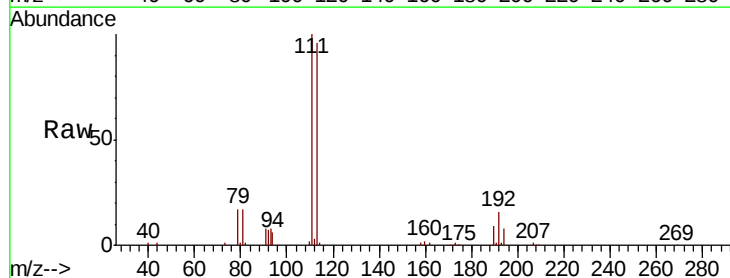


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

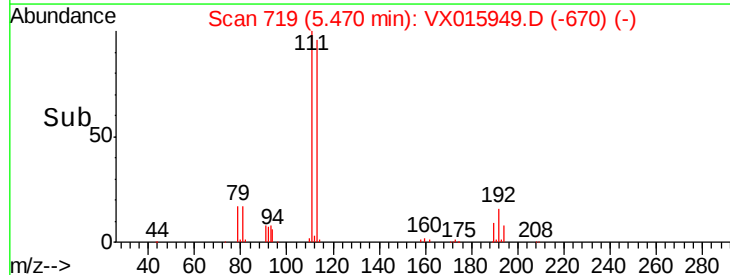
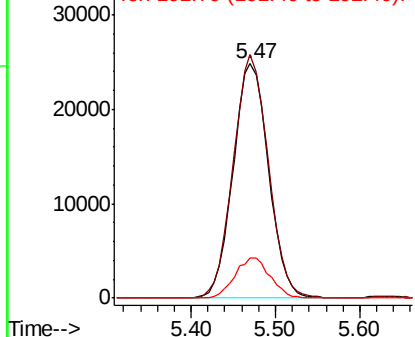


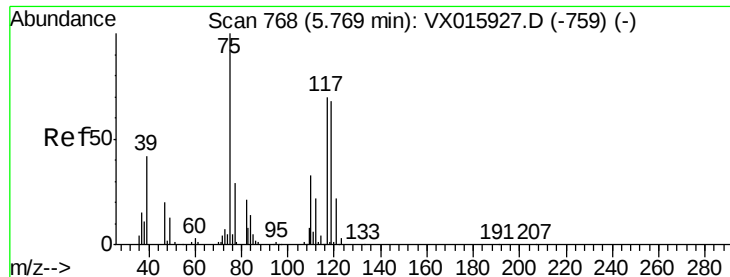
#35
 Dibromofluoromethane
 Concen: 54.354 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015949.D
 Acq: 24 Apr 2020 22:23

Tgt Ion:113	Resp:	70852
Ion Ratio	Lower	Upper
113 100		
111 102.6	81.2	121.8
192 16.9	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: 5.011 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

SS042MW127-200423

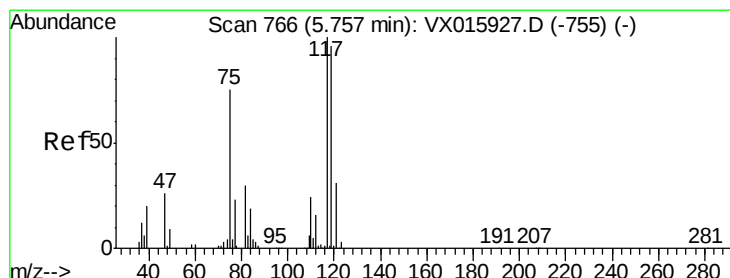
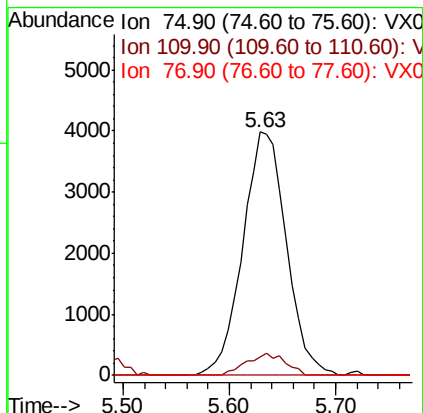
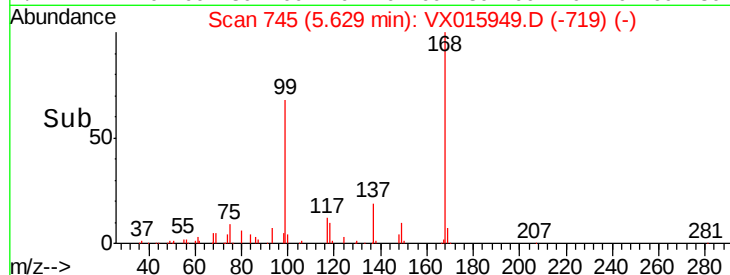
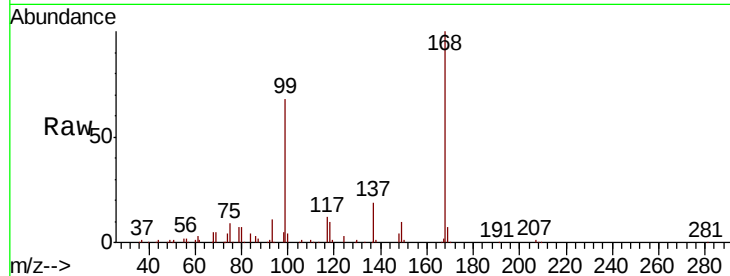
Tot Ion: 75 Resp: 11430

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.686 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

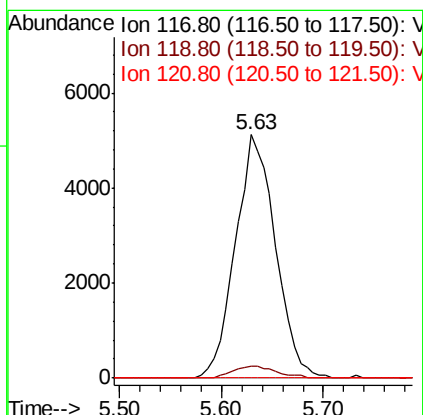
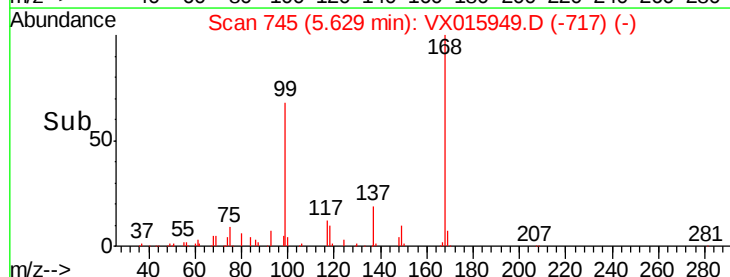
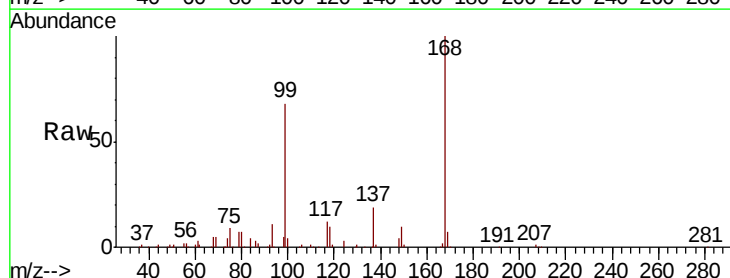
Tgt Ion: 117 Resp: 13936

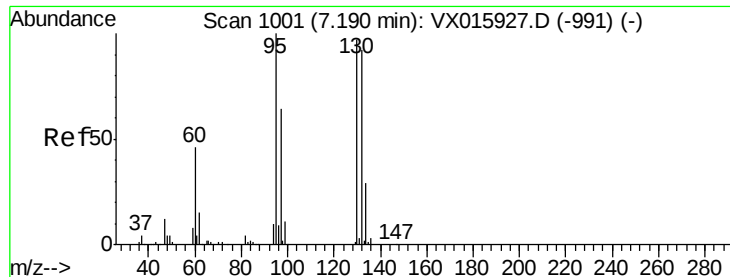
Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 0.615 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

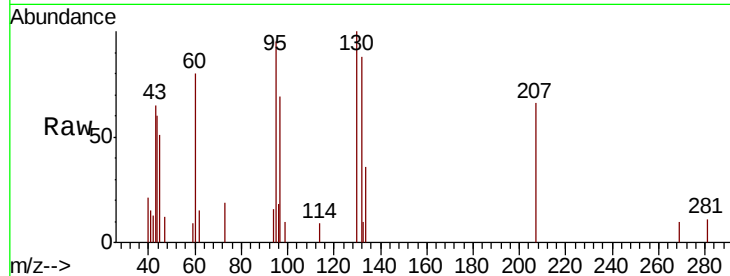
SS042MW127-200423

Tot Ion:130 Resp: 1263

Ion Ratio Lower Upper

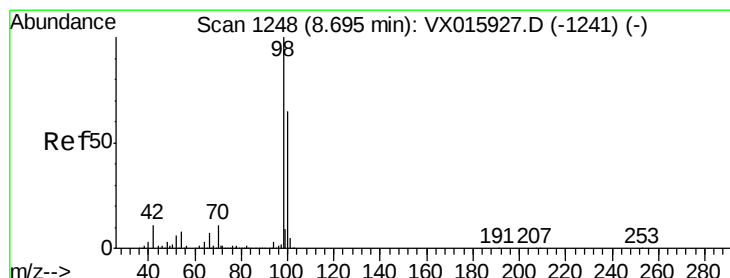
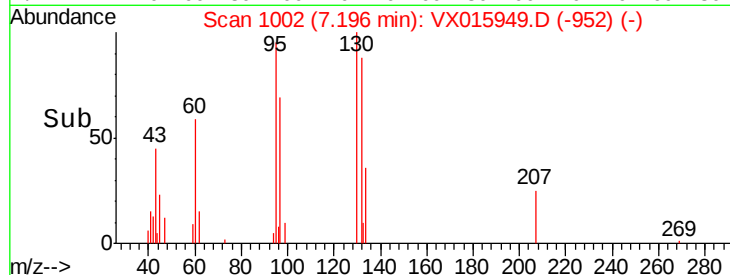
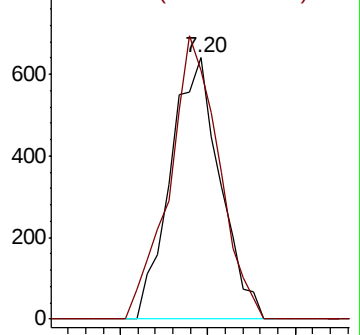
130 100

95 95.3 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 55.266 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015949.D

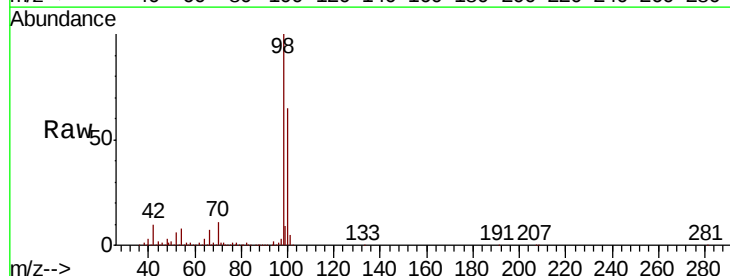
Acq: 24 Apr 2020 22:23

Tgt Ion: 98 Resp: 304998

Ion Ratio Lower Upper

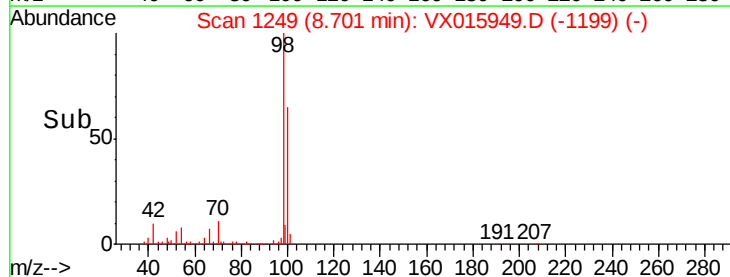
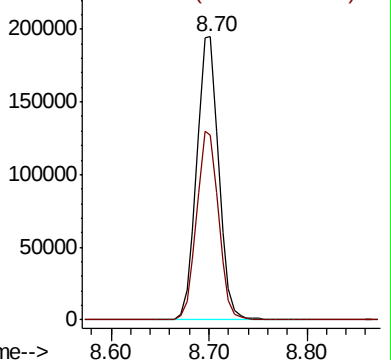
98 100

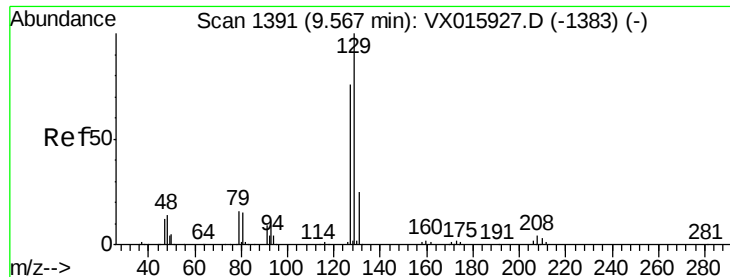
100 66.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

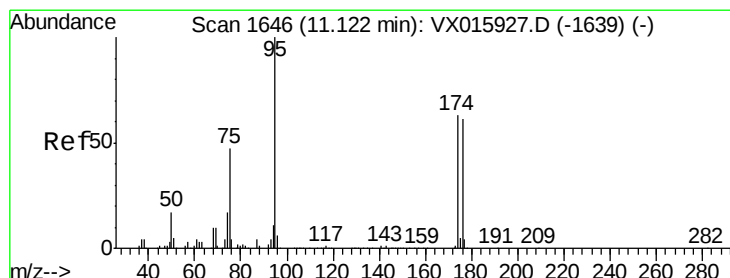
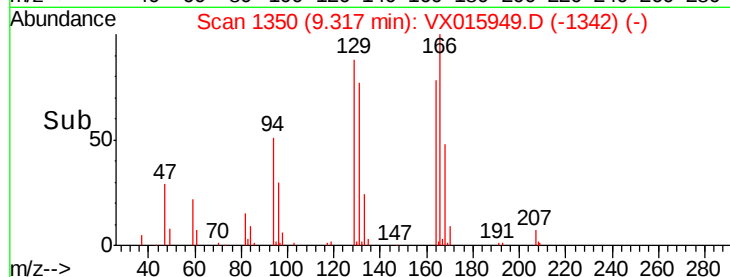
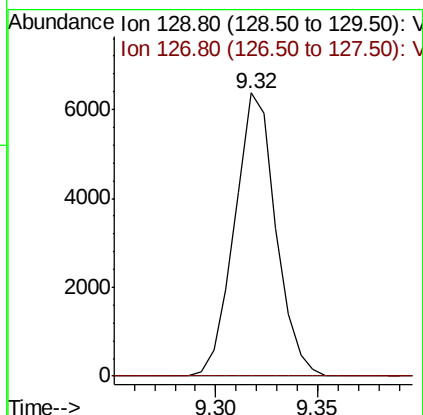
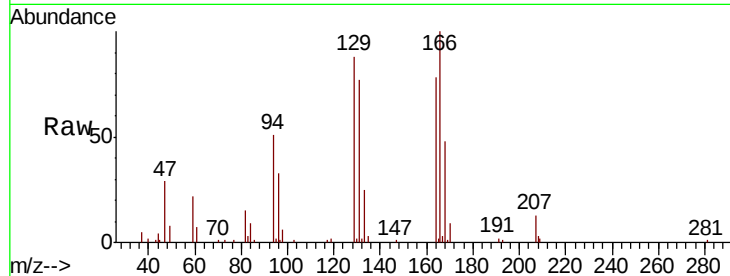




#60
 Dibromochloromethane
 Concen: 5.301 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.25 min
 Lab File: VX015949.D
 Acq: 24 Apr 2020 22:23

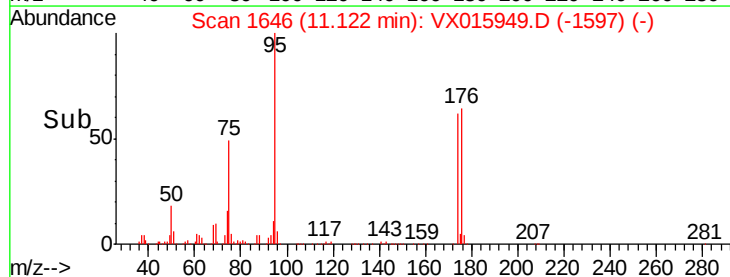
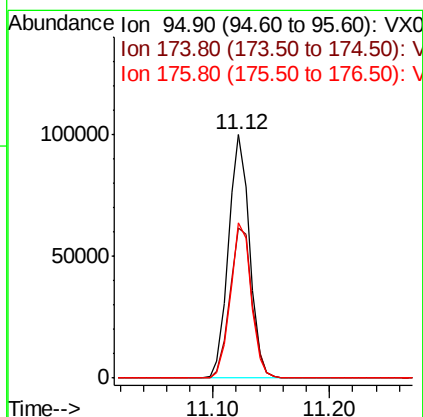
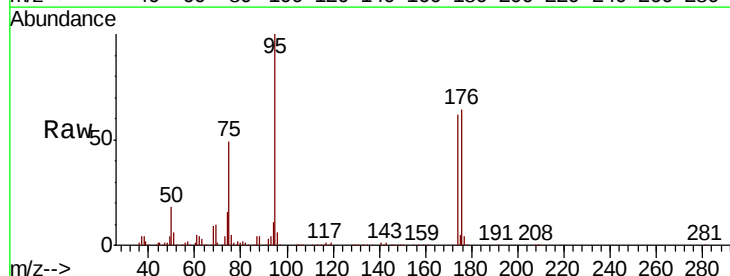
Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW127-200423

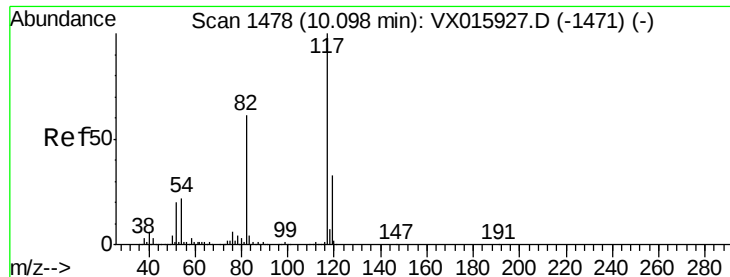
Tot Ion:129 Resp: 8904
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.3#



#62
 4-Bromofluorobenzene
 Concen: 56.158 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX015949.D
 Acq: 24 Apr 2020 22:23

Tgt Ion: 95 Resp: 125704
 Ion Ratio Lower Upper
 95 100
 174 65.0 0.0 133.6
 176 63.1 0.0 126.0

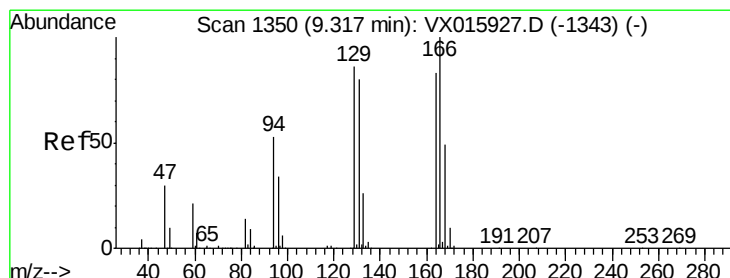
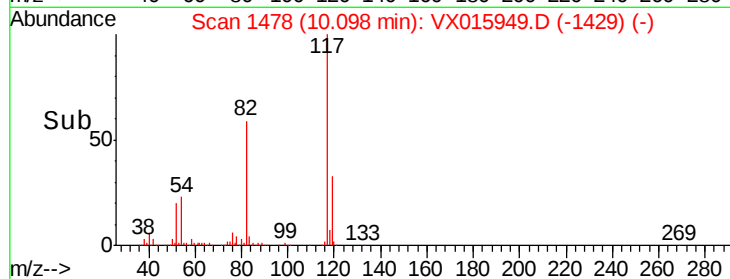
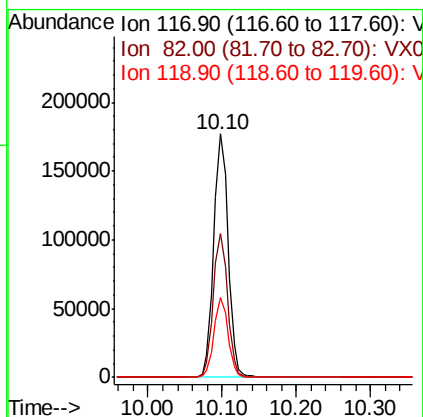
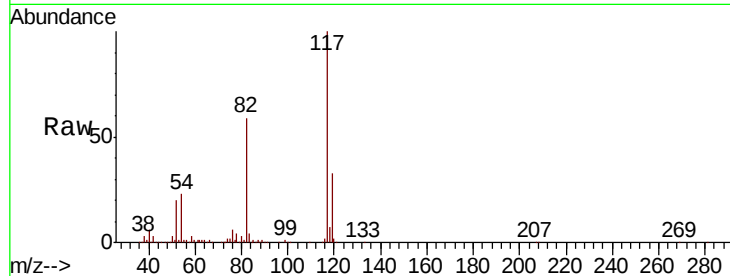




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015949.D
Acq: 24 Apr 2020 22:23

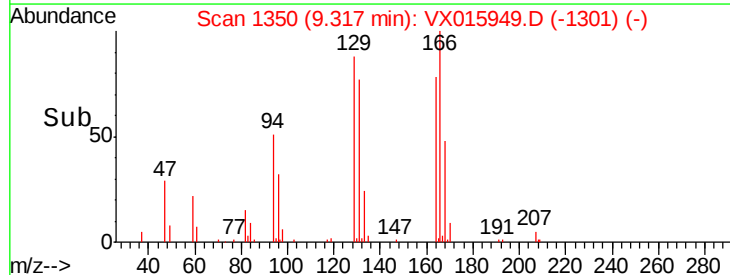
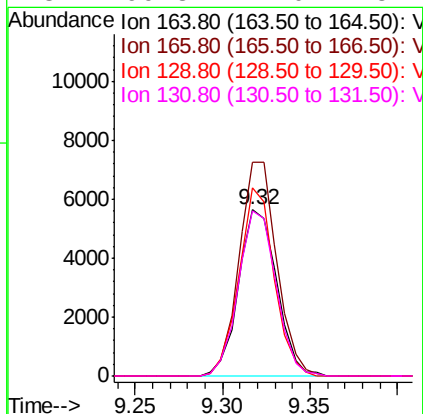
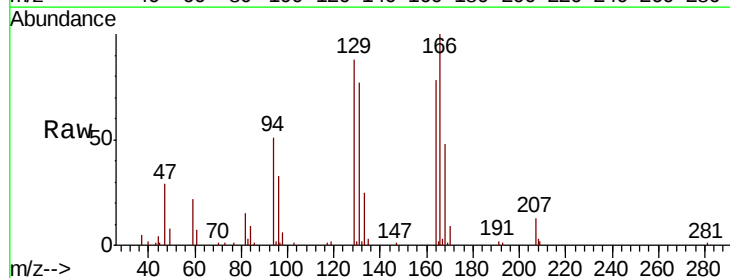
Instrument :
MSVOA_X
ClientSampleId :
SS042MW127-200423

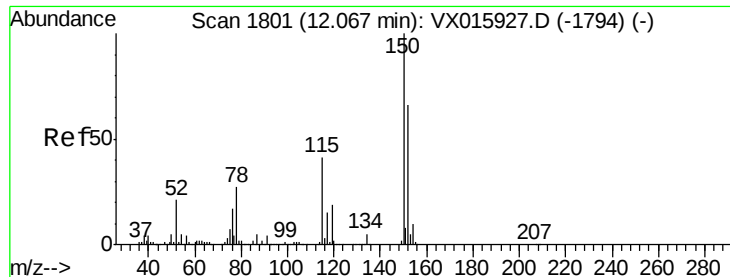
Tot Ion:117 Resp: 234772
Ion Ratio Lower Upper
117 100
82 58.9 48.5 72.7
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 3.670 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015949.D
Acq: 24 Apr 2020 22:23

Tgt Ion:164 Resp: 8573
Ion Ratio Lower Upper
164 100
166 128.5 96.7 145.1
129 113.1 82.8 124.2
131 99.3 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: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

SS042MW127-200423

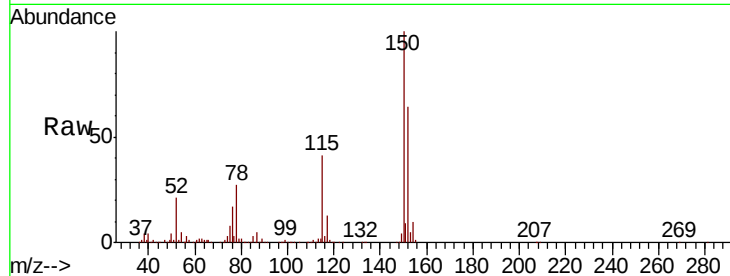
Tot Ion:152 Resp: 112061

Ion Ratio Lower Upper

152 100

115 65.0 44.1 132.4

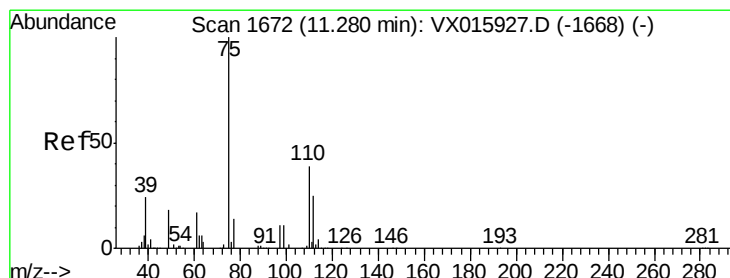
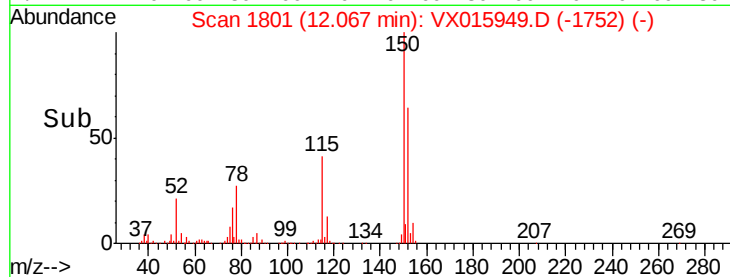
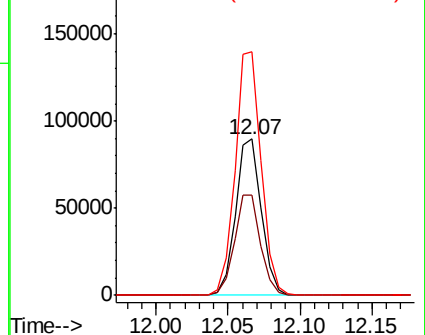
150 157.4 0.0 343.6



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: 26.082 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015949.D

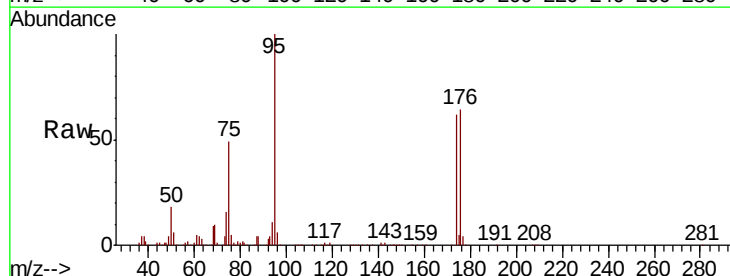
Acq: 24 Apr 2020 22:23

Tgt Ion: 75 Resp: 62695

Ion Ratio Lower Upper

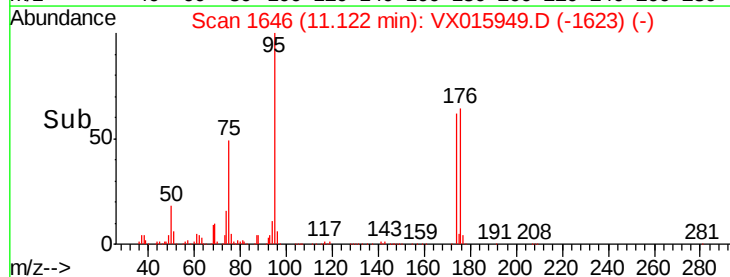
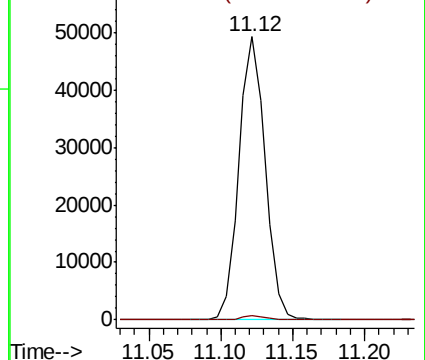
75 100

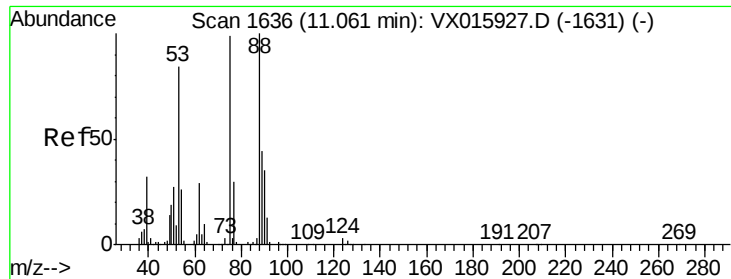
77 1.4 22.1 66.5#



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: 58.752 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015949.D

Acq: 24 Apr 2020 22:23

Instrument :

MSVOA_X

ClientSampleId :

SS042MW127-200423

Tot Ion: 75 Resp: 62695

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#

