

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016230.D
 Acq On : 14 May 2020 14:53
 Operator : JC/SP
 Sample : L2643-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW126-200513

Quant Time: May 15 01:33:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	256870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	429398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	220258	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	160360	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	
35) Dibromofluoromethane	5.47	113	128931	47.39	ug/l	0.00
Spiked Amount						
			Recovery	=	94.78%	
50) Toluene-d8	8.70	98	530941	50.65	ug/l	0.00
Spiked Amount						
			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.12	95	214917	53.91	ug/l	0.00
Spiked Amount						
			Recovery	=	107.82%	

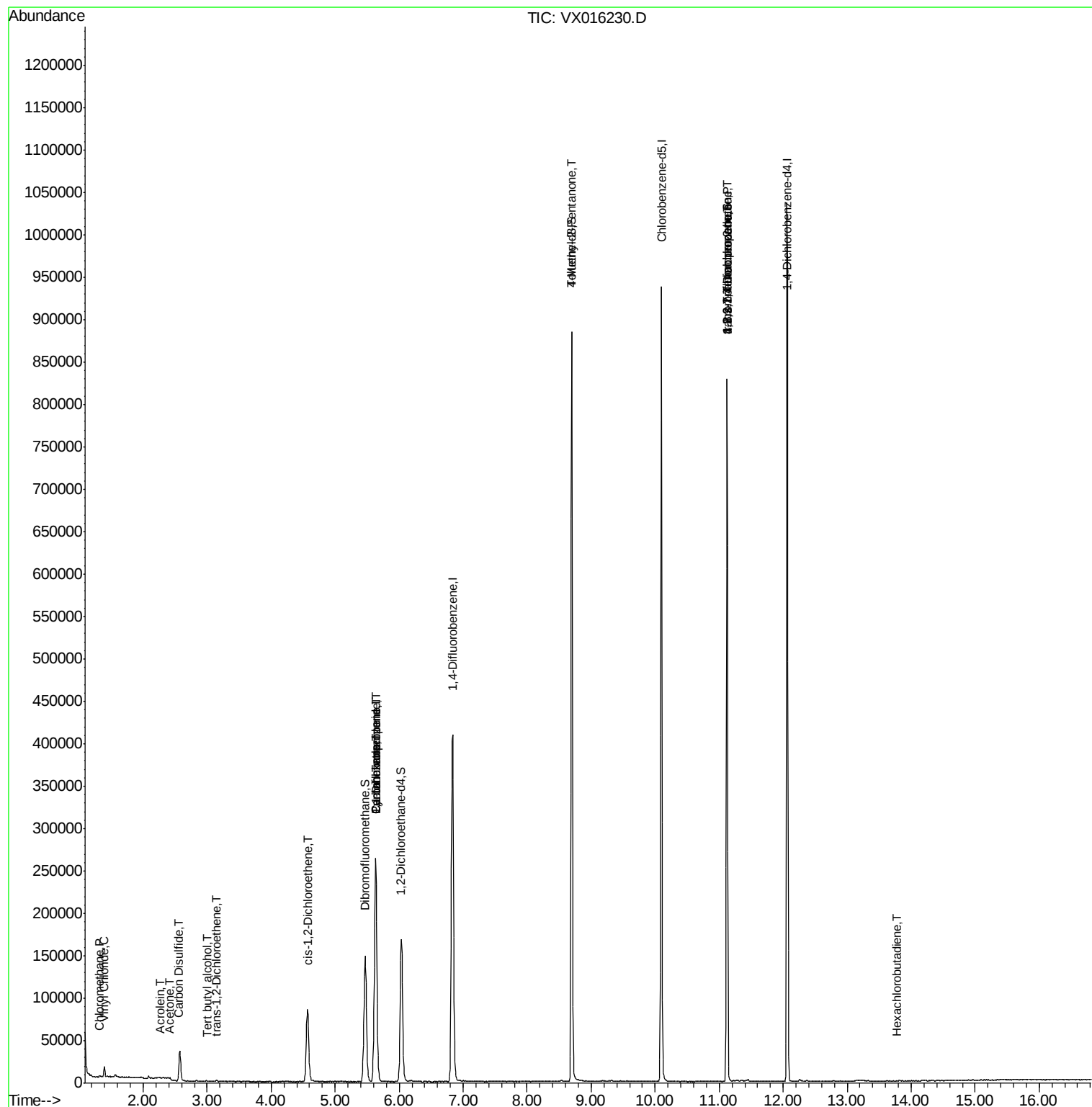
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	989	0.31	ug/l #	88
4) Vinyl Chloride	1.39	62	7607	2.26	ug/l	99
11) Tert butyl alcohol	3.01	59	461	0.54	ug/l #	72
13) Acrolein	2.27	56	392	0.73	ug/l #	32
16) Acetone	2.42	43	2442	1.62	ug/l	91
17) Carbon Disulfide	2.56	76	3617	0.25	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	759	0.26	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	55528	17.07	ug/l	88
31) Cyclohexane	5.63	56	4746	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	18963	4.49	ug/l #	49
38) Carbon Tetrachloride	5.63	117	24770	5.77	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	2118	0.44	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.13	83	144	2.10	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104737	20.96	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	104737	49.94	ug/l #	13
94) Hexachlorobutadiene	13.77	225	21	0.53	ug/l #	43

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

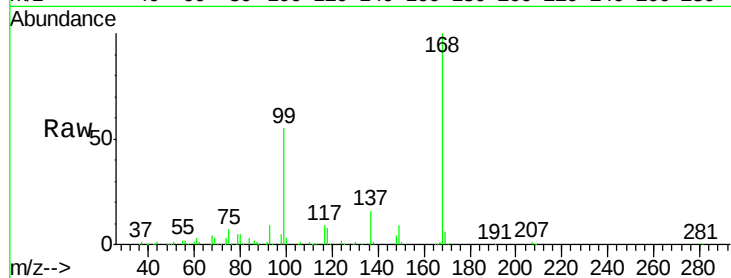
SS052MW126-200513

Tgt Ion: 168 Resp: 256870

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

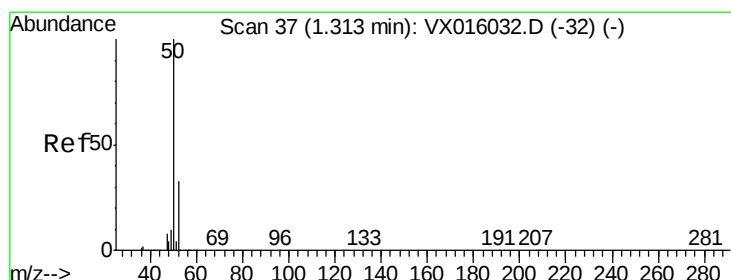
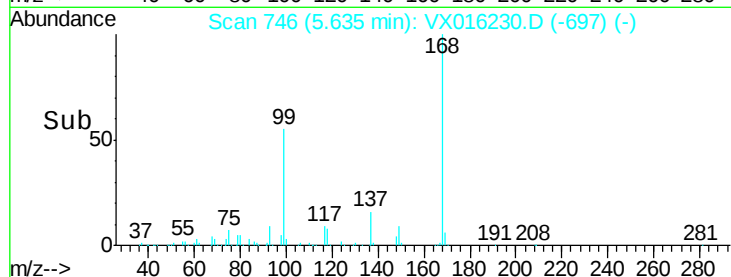
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016230.D

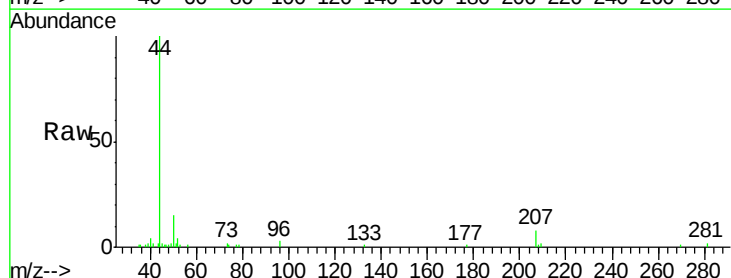
Acq: 14 May 2020 14:53

Tgt Ion: 50 Resp: 989

Ion Ratio Lower Upper

50 100

52 26.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

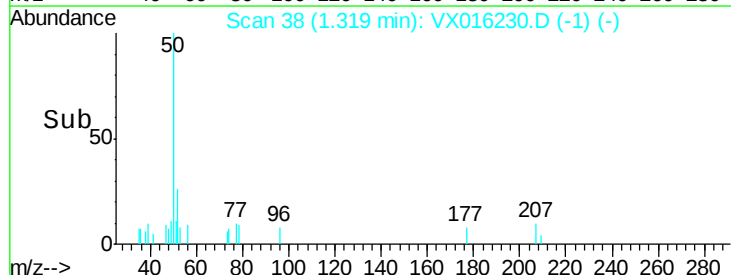
600

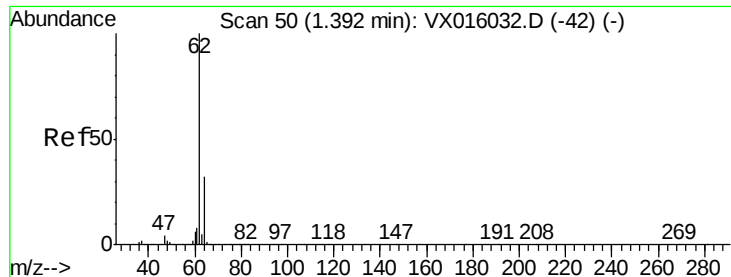
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 2.26 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

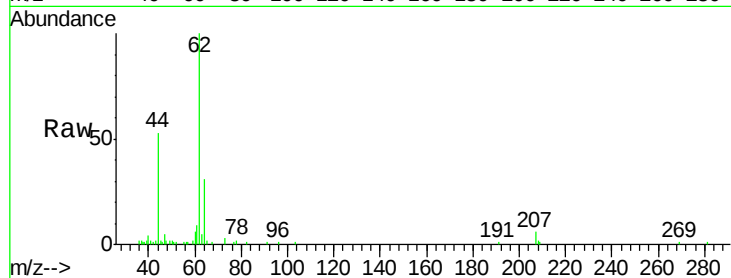
SS052MW126-200513

Tgt Ion: 62 Resp: 7607

Ion Ratio Lower Upper

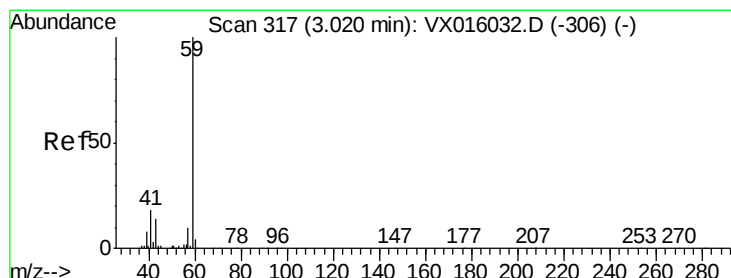
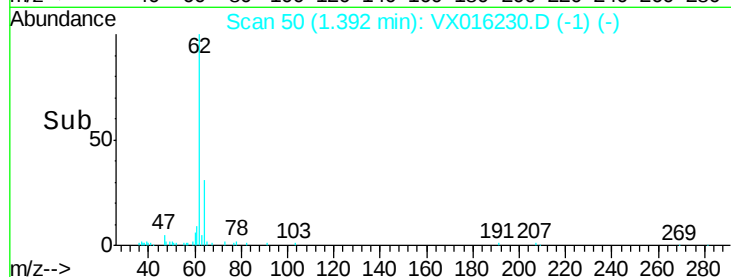
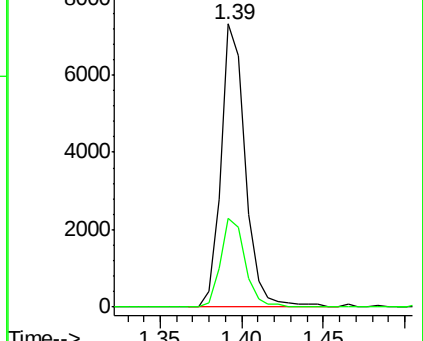
62 100

64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#11

Tert butyl alcohol

Concen: 0.54 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016230.D

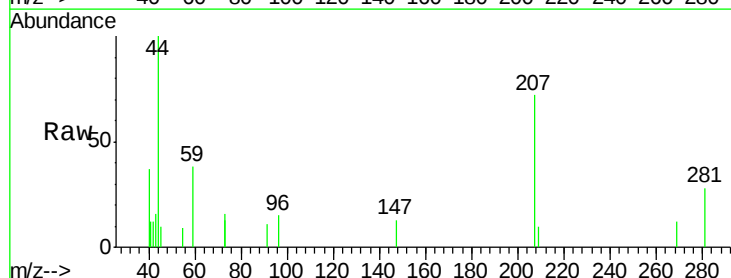
Acq: 14 May 2020 14:53

Tgt Ion: 59 Resp: 461

Ion Ratio Lower Upper

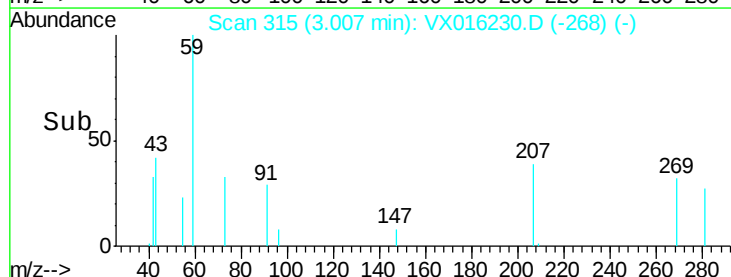
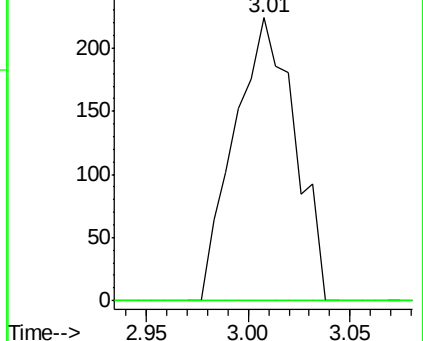
59 100

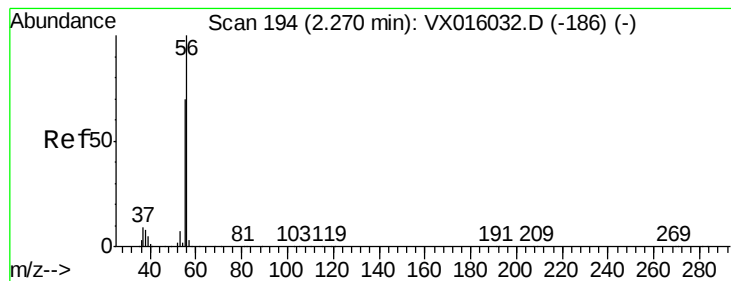
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.73 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

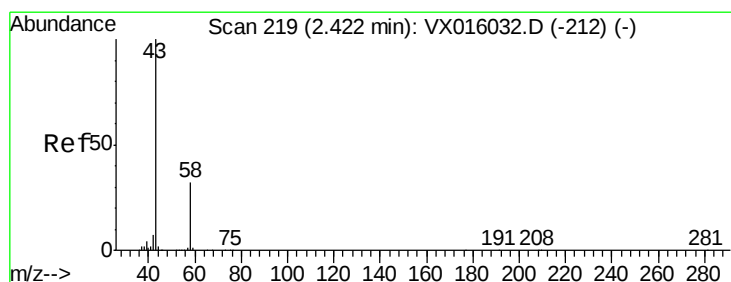
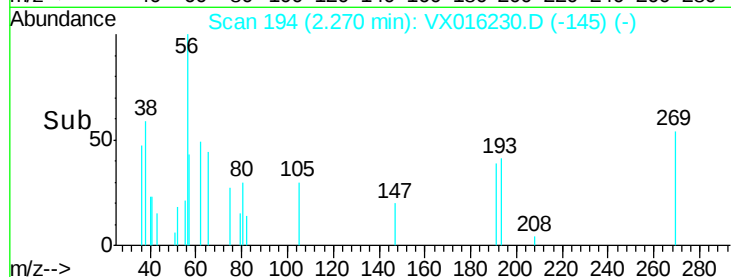
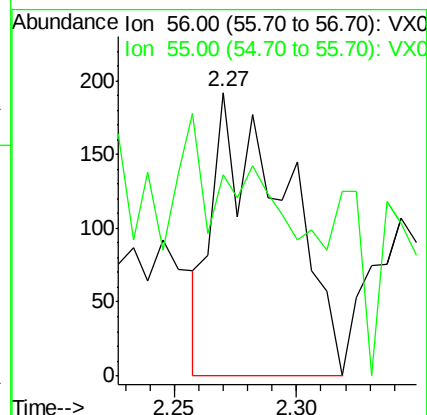
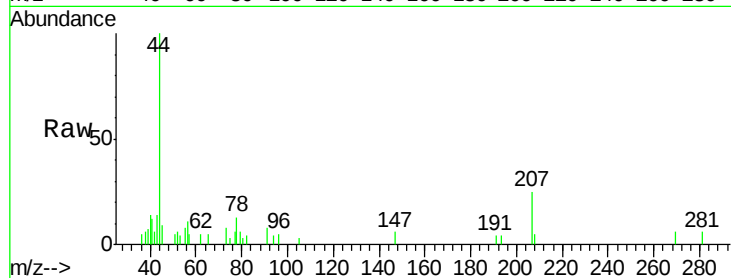
SS052MW126-200513

Tgt Ion: 56 Resp: 392

Ion Ratio Lower Upper

56 100

55 14.5 56.5 84.7#



#16

Acetone

Concen: 1.62 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016230.D

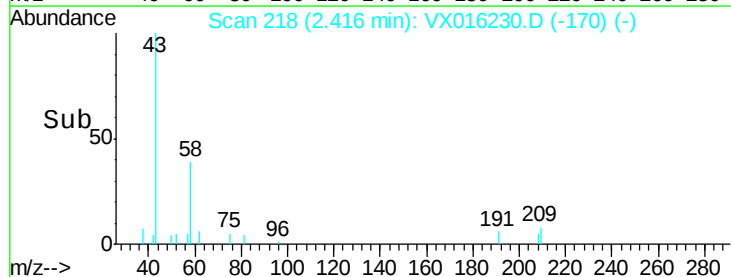
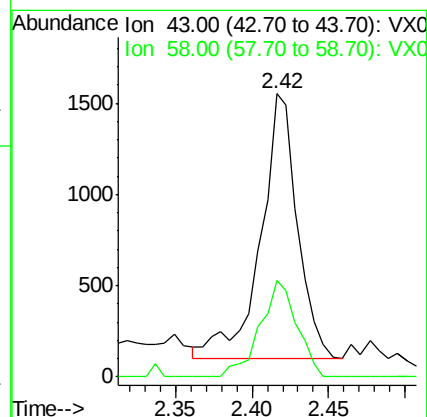
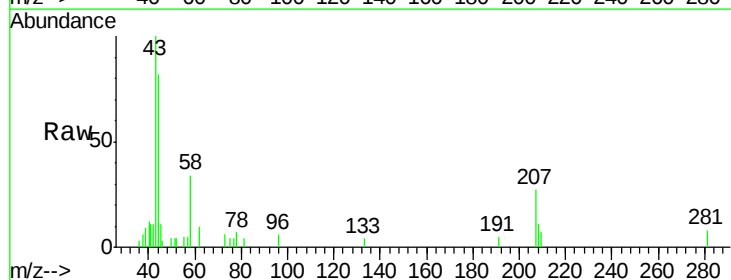
Acq: 14 May 2020 14:53

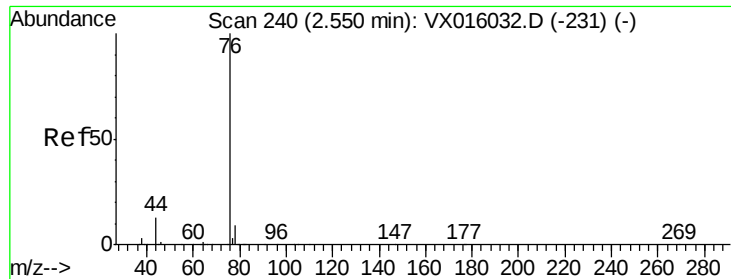
Tgt Ion: 43 Resp: 2442

Ion Ratio Lower Upper

43 100

58 36.7 25.4 38.0





#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

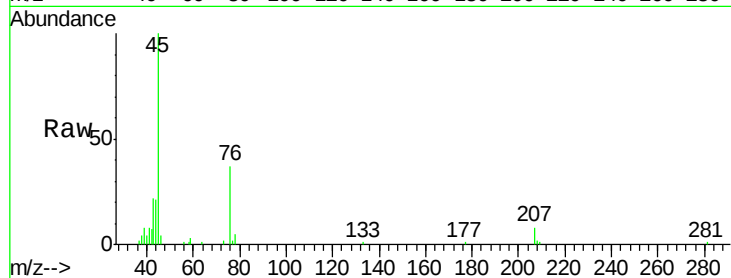
SS052MW126-200513

Tgt Ion: 76 Resp: 3617

Ion Ratio Lower Upper

76 100

78 10.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2500

2000

1500

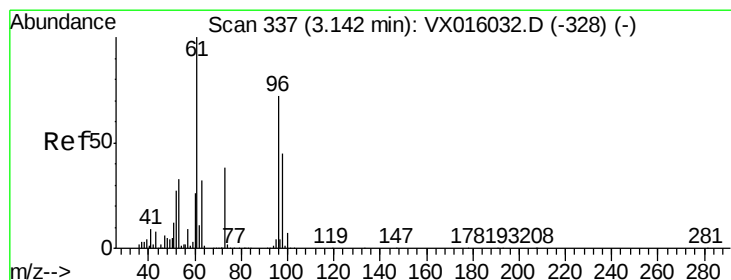
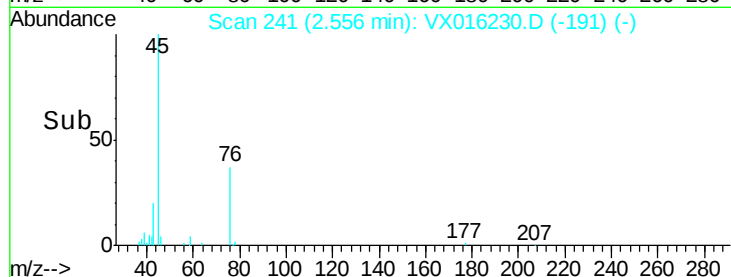
1000

500

0

2.50 2.55 2.60

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.26 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

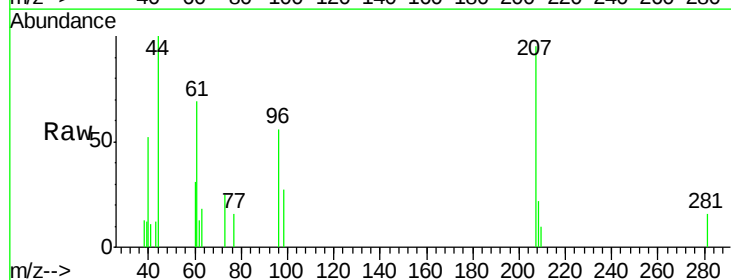
Tgt Ion: 96 Resp: 759

Ion Ratio Lower Upper

96 100

61 122.8 111.2 166.8

98 47.1 50.2 75.4#



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

400

300

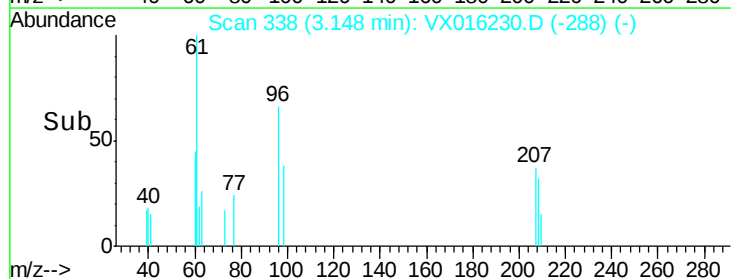
200

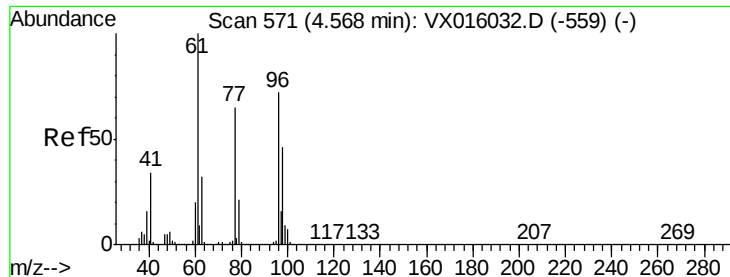
100

0

3.05 3.10 3.15 3.20

Time-->



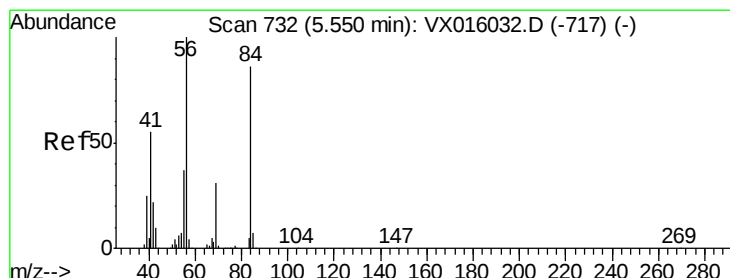
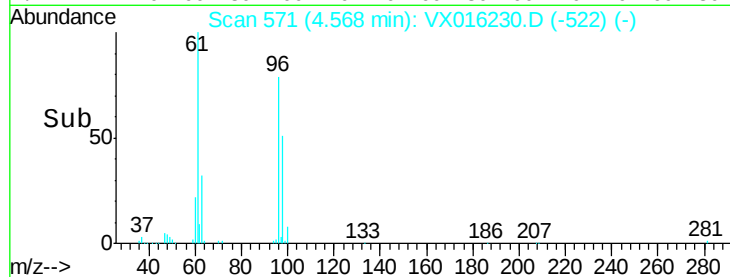
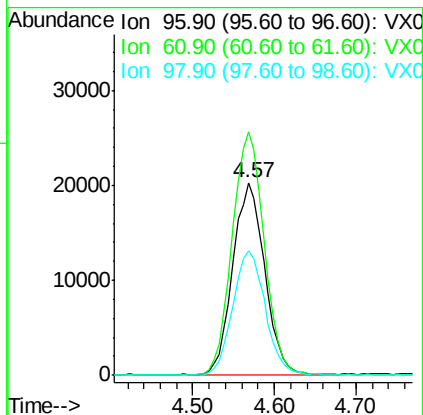
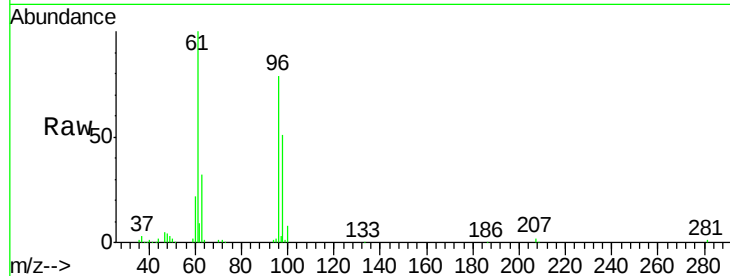


#27

cis-1,2-Dichloroethene
 Concen: 17.07 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016230.D
 Acq: 14 May 2020 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW126-200513

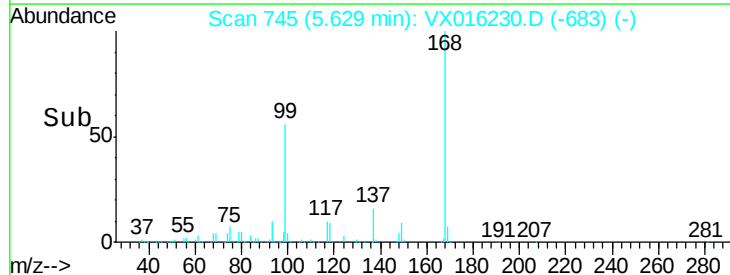
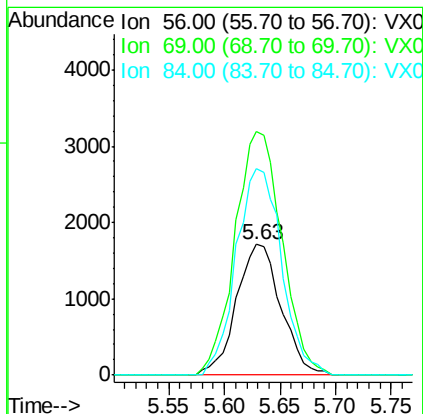
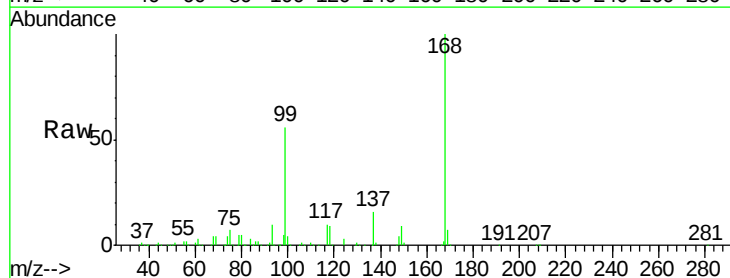
Tgt Ion: 96 Resp: 55528
 Ion Ratio Lower Upper
 96 100
 61 126.2 0.0 296.2
 98 64.8 0.0 129.4

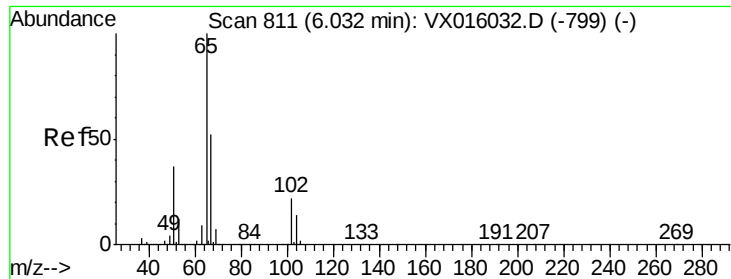


#31

Cyclohexane
 Concen: 1.01 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016230.D
 Acq: 14 May 2020 14:53

Tgt Ion: 56 Resp: 4746
 Ion Ratio Lower Upper
 56 100
 69 186.4 25.0 37.6#
 84 158.4 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 47.44 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

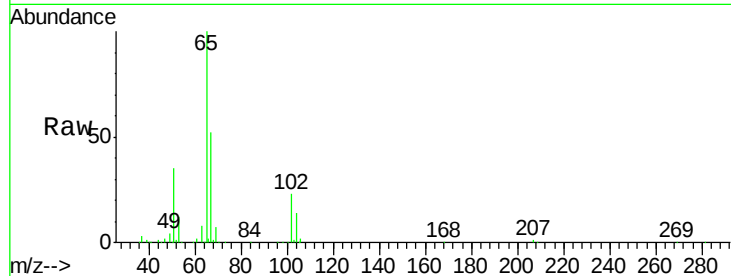
SS052MW126-200513

Tgt Ion: 65 Resp: 160360

Ion Ratio Lower Upper

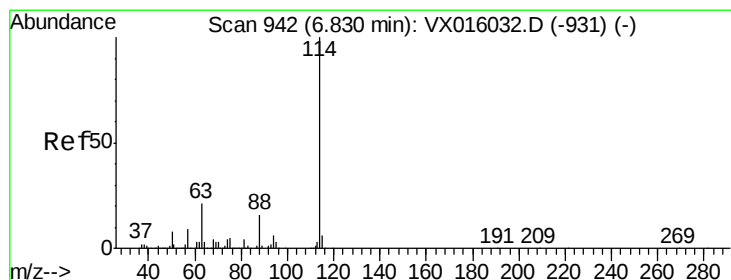
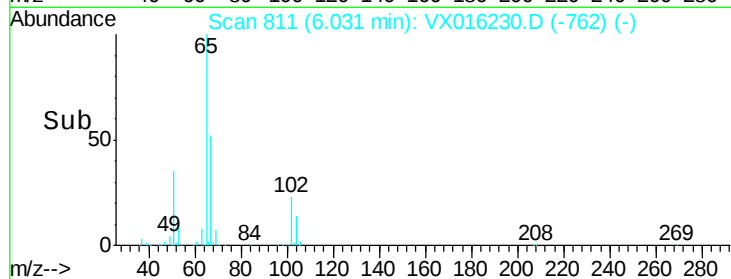
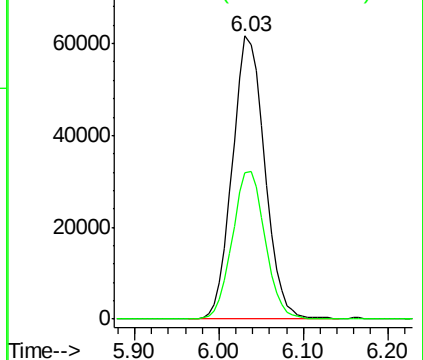
65 100

67 52.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

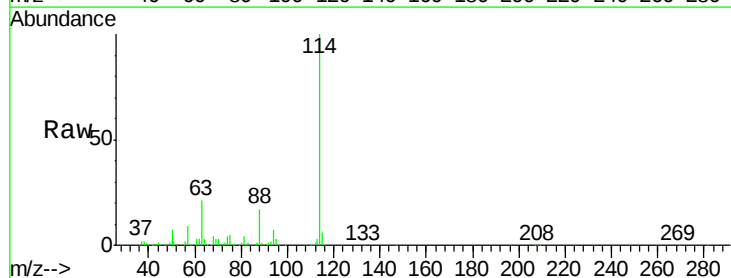
Tgt Ion: 114 Resp: 429398

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

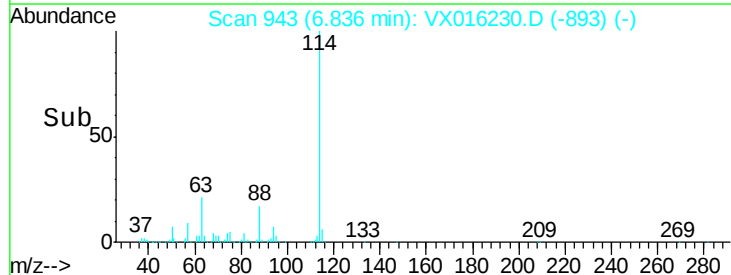
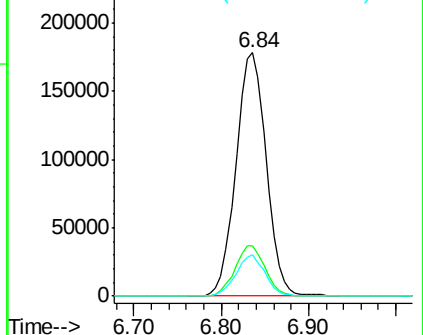
88 16.8 0.0 31.4

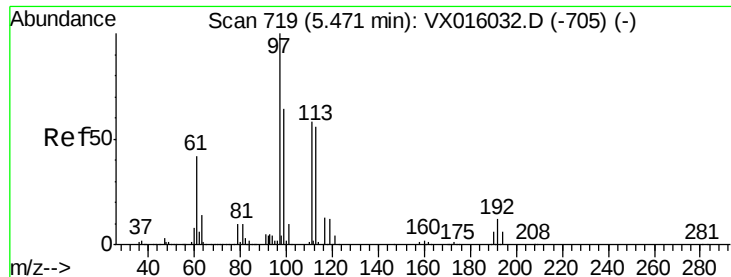


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

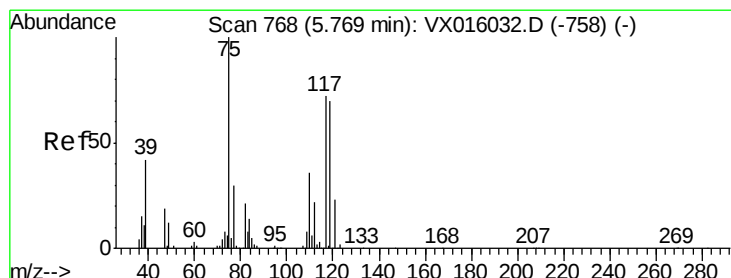
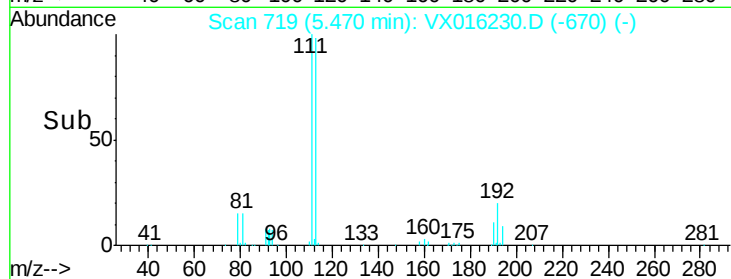
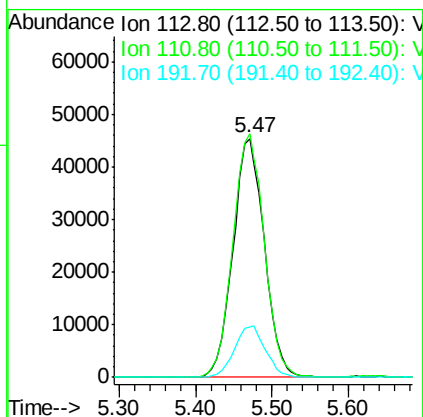
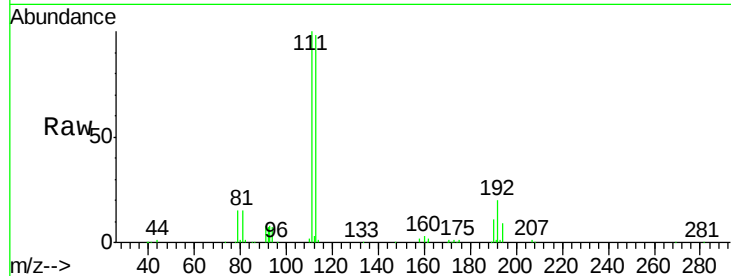




#35
Dibromofluoromethane
Concen: 47.39 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016230.D
Acq: 14 May 2020 14:53

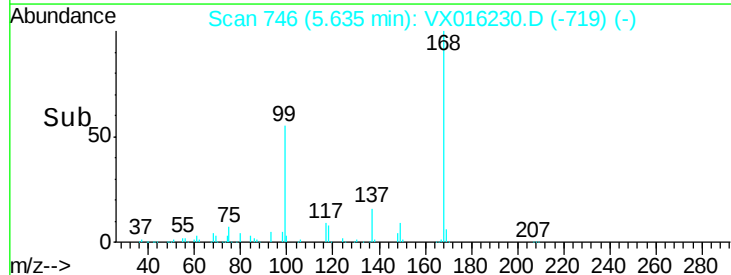
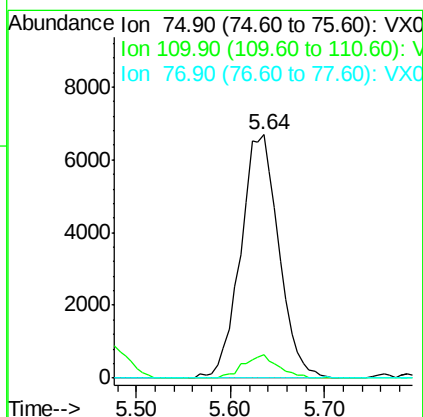
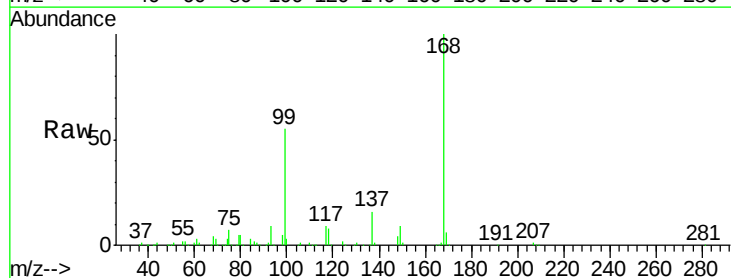
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-200513

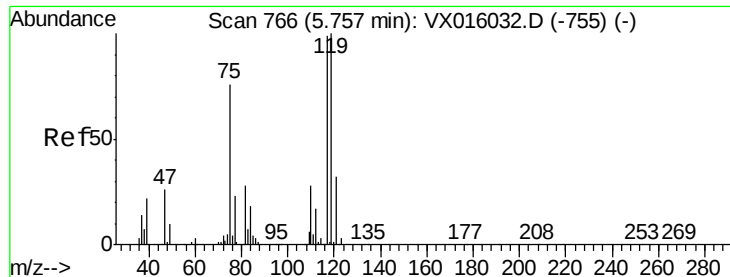
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	21.4	17.0	25.4



#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX016230.D
Acq: 14 May 2020 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.1#
77	0.0	25.0	37.6#

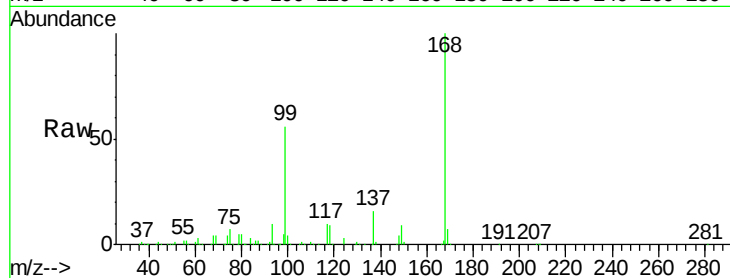




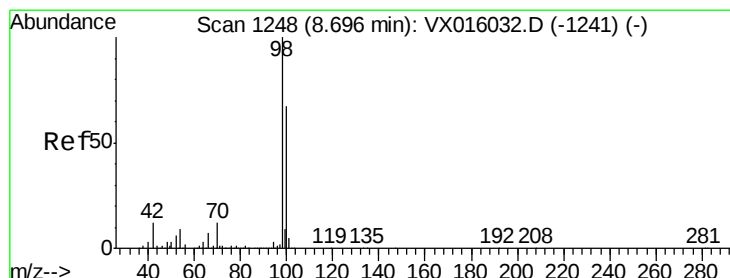
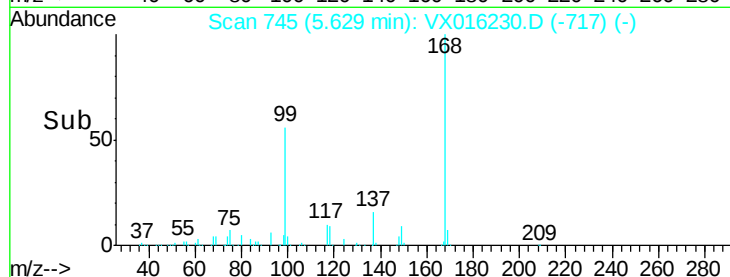
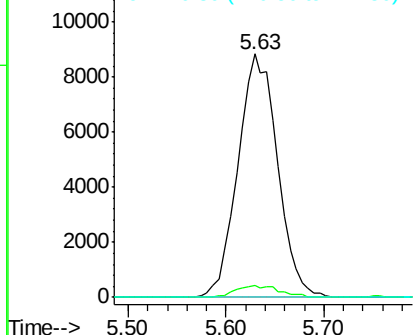
#38
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016230.D
Acq: 14 May 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-200513

Tgt Ion: 117 Resp: 24770
Ion Ratio Lower Upper
117 100
119 5.0 80.3 120.5#
121 0.0 25.7 38.5#

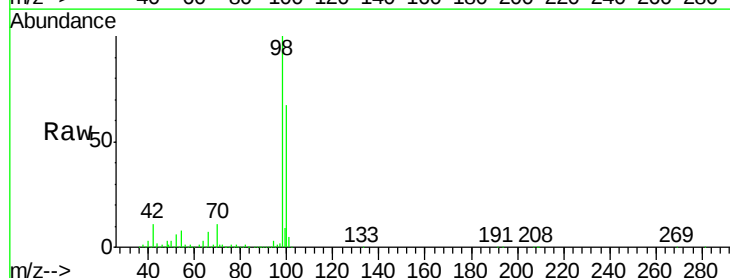


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

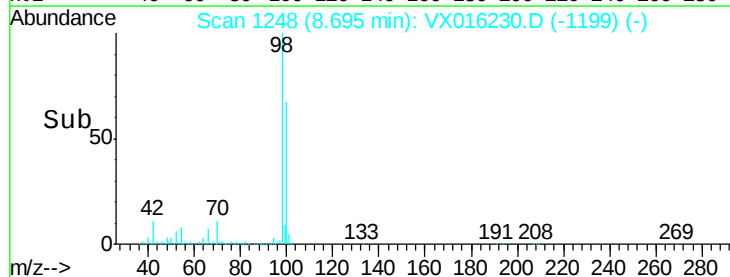
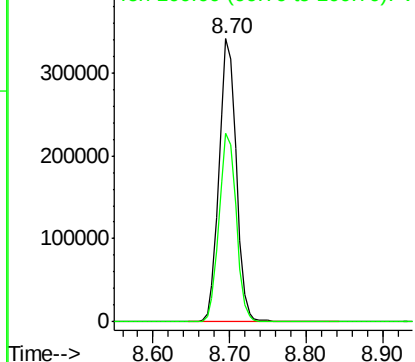


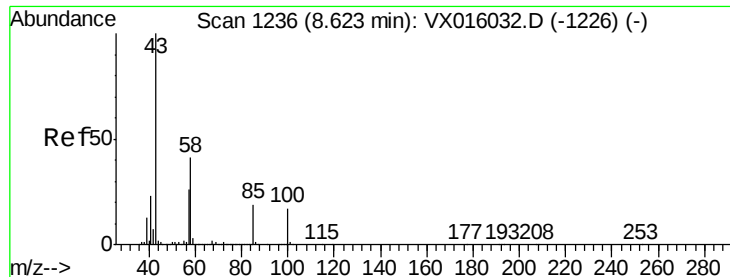
#50
Toluene-d8
Concen: 50.65 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016230.D
Acq: 14 May 2020 14:53

Tgt Ion: 98 Resp: 530941
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

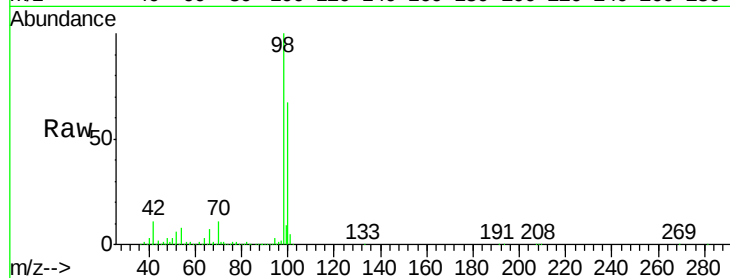
SS052MW126-200513

Tgt Ion: 43 Resp: 2118

Ion Ratio Lower Upper

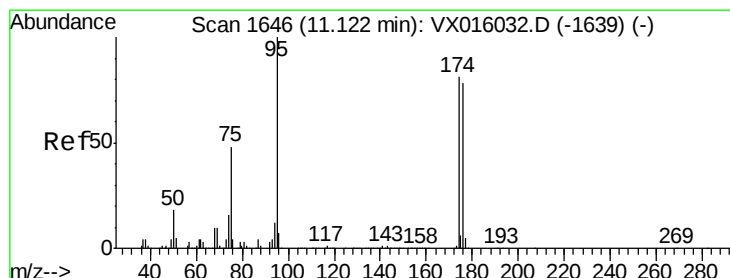
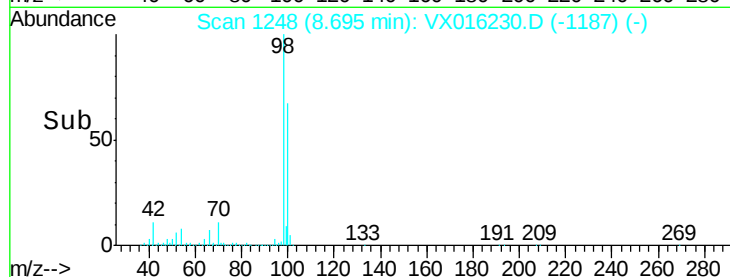
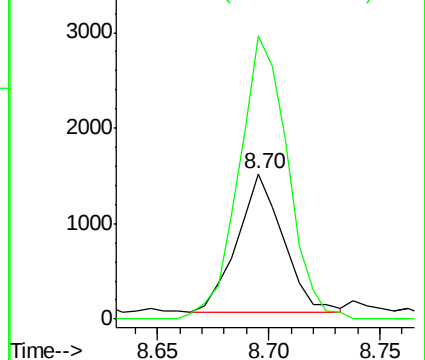
43 100

58 214.4 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 53.91 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

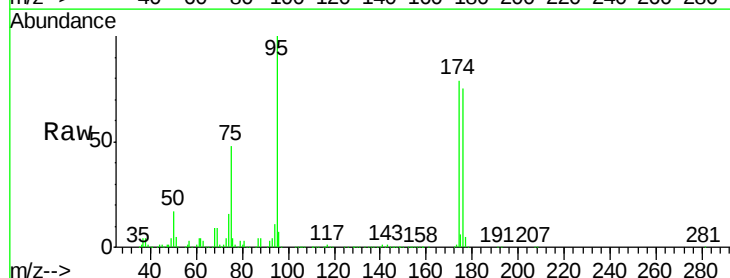
Tgt Ion: 95 Resp: 214917

Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.4

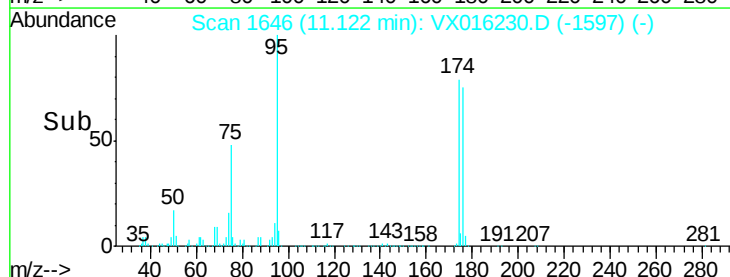
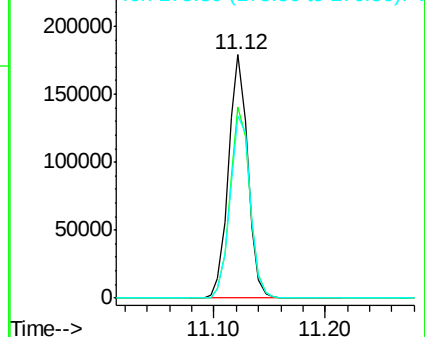
176 78.5 0.0 157.6

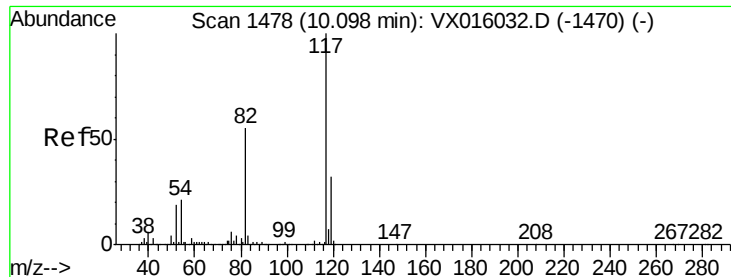


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

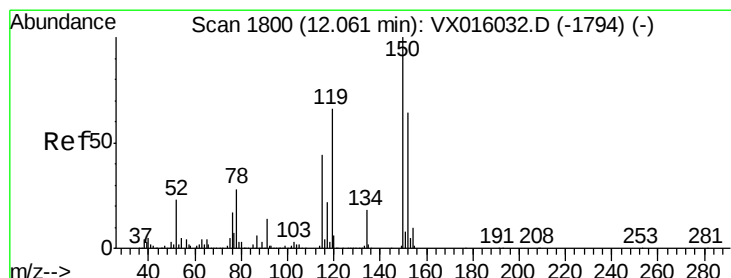
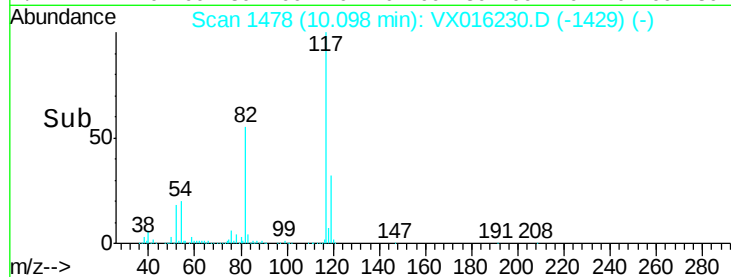
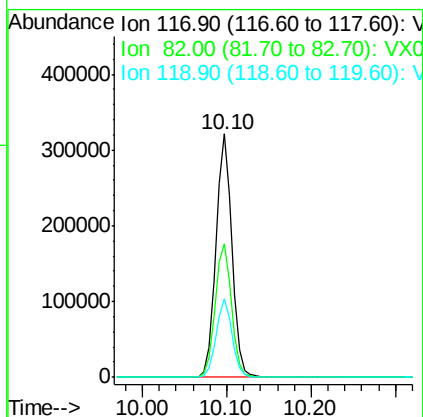
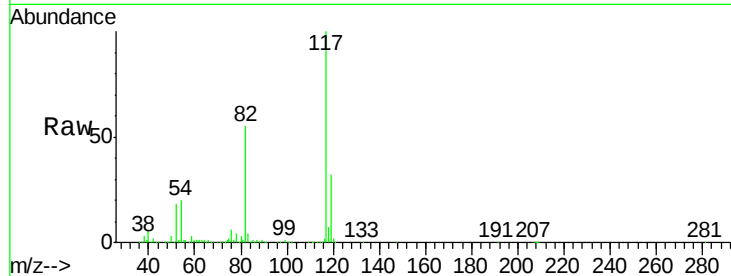




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016230.D
Acq: 14 May 2020 14:53

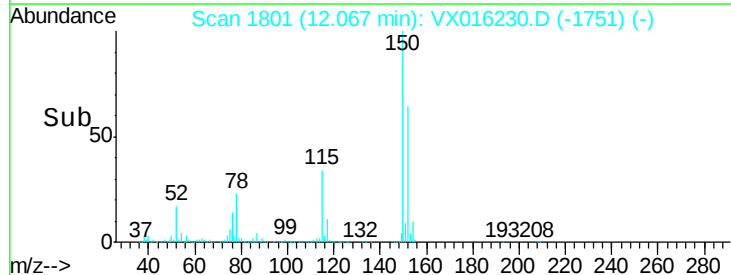
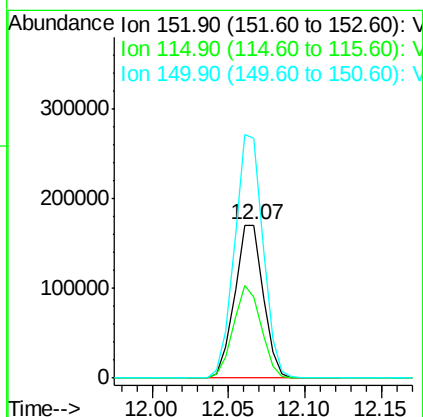
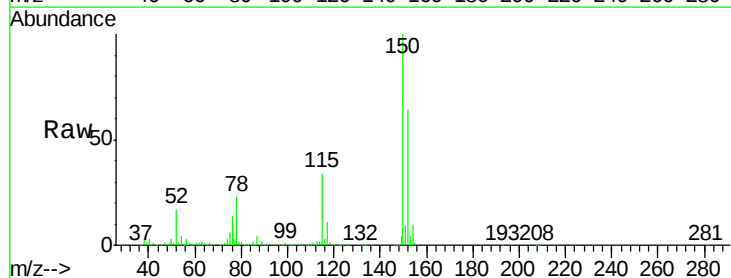
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-200513

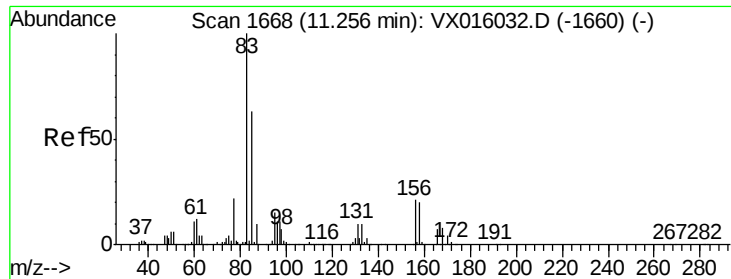
Tgt Ion:117 Resp: 423550
Ion Ratio Lower Upper
117 100
82 54.8 44.4 66.6
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016230.D
Acq: 14 May 2020 14:53

Tgt Ion:152 Resp: 220258
Ion Ratio Lower Upper
152 100
115 58.4 41.3 124.1
150 158.7 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.10 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

SS052MW126-200513

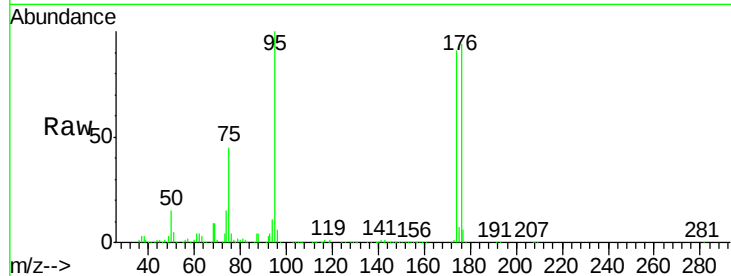
Tgt Ion: 83 Resp: 144

Ion Ratio Lower Upper

83 100

131 212.5 5.1 15.4#

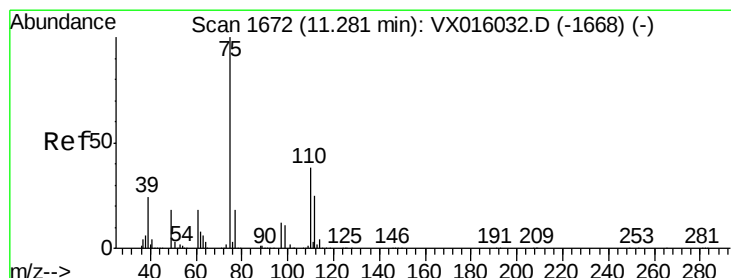
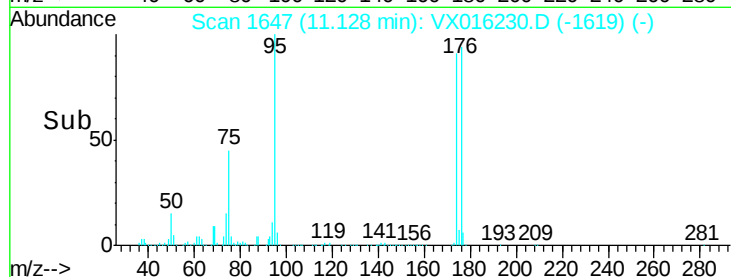
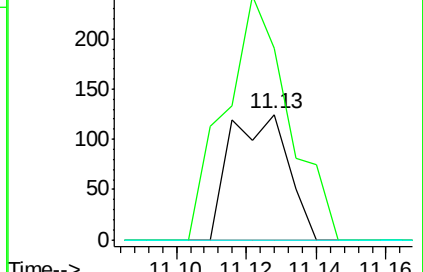
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.96 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016230.D

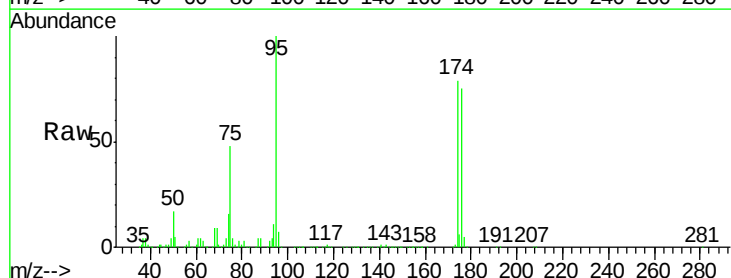
Acq: 14 May 2020 14:53

Tgt Ion: 75 Resp: 104737

Ion Ratio Lower Upper

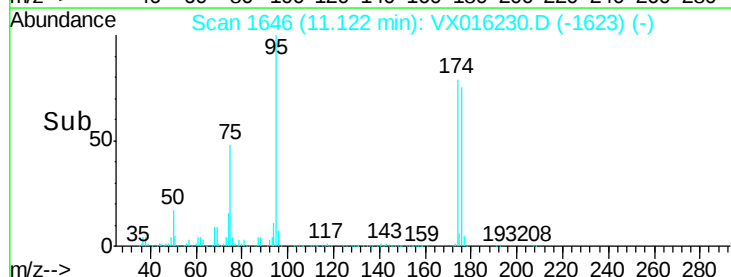
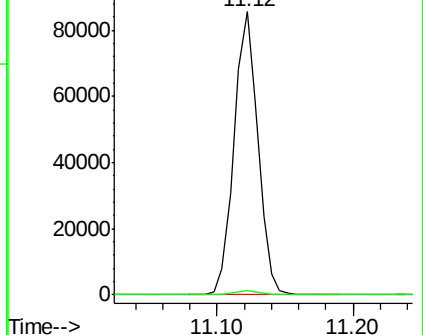
75 100

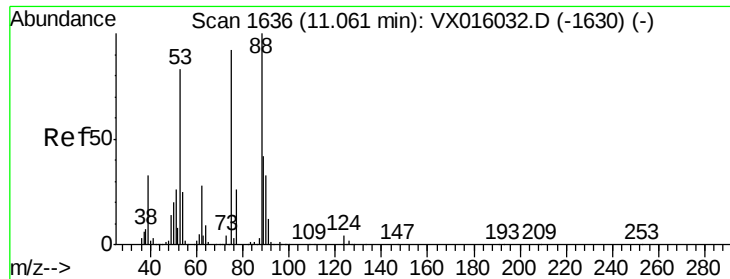
77 1.5 21.2 63.6#



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: 49.94 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

SS052MW126-200513

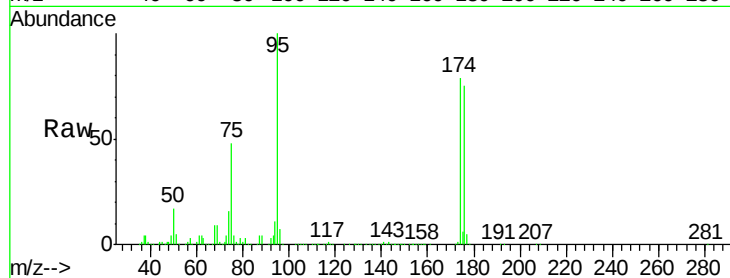
Tgt Ion: 75 Resp: 104737

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

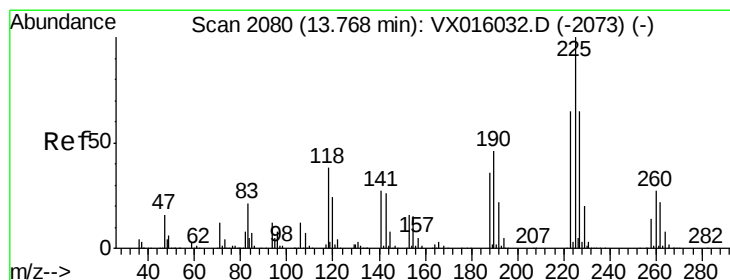
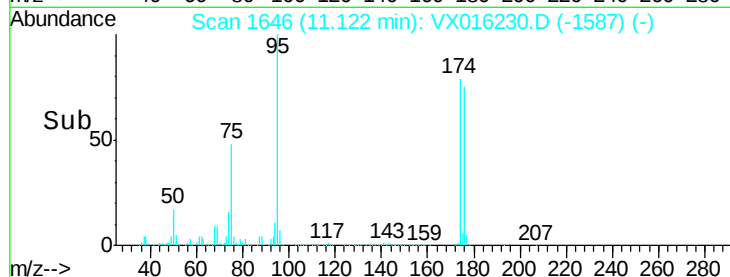
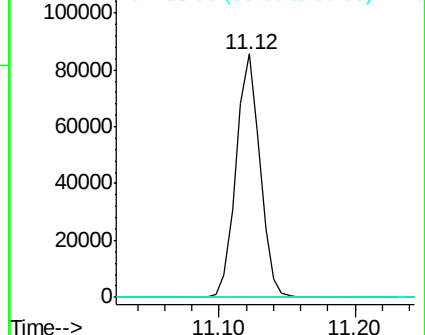
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.53 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016230.D

Acq: 14 May 2020 14:53

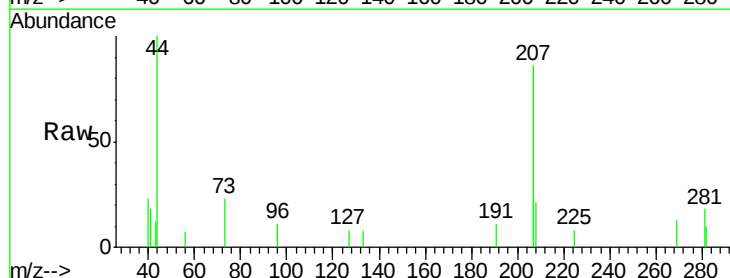
Tgt Ion: 225 Resp: 21

Ion Ratio Lower Upper

225 100

223 90.5 32.3 96.9

227 0.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

