

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016970.D
 Acq On : 26 Jun 2020 09:57
 Operator : JC/SP
 Sample : VX0626WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:56:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	207937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	371386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	362890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	176057	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	150999	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	5.46	113	122470	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.70	98	463106	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.12	95	177065	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	

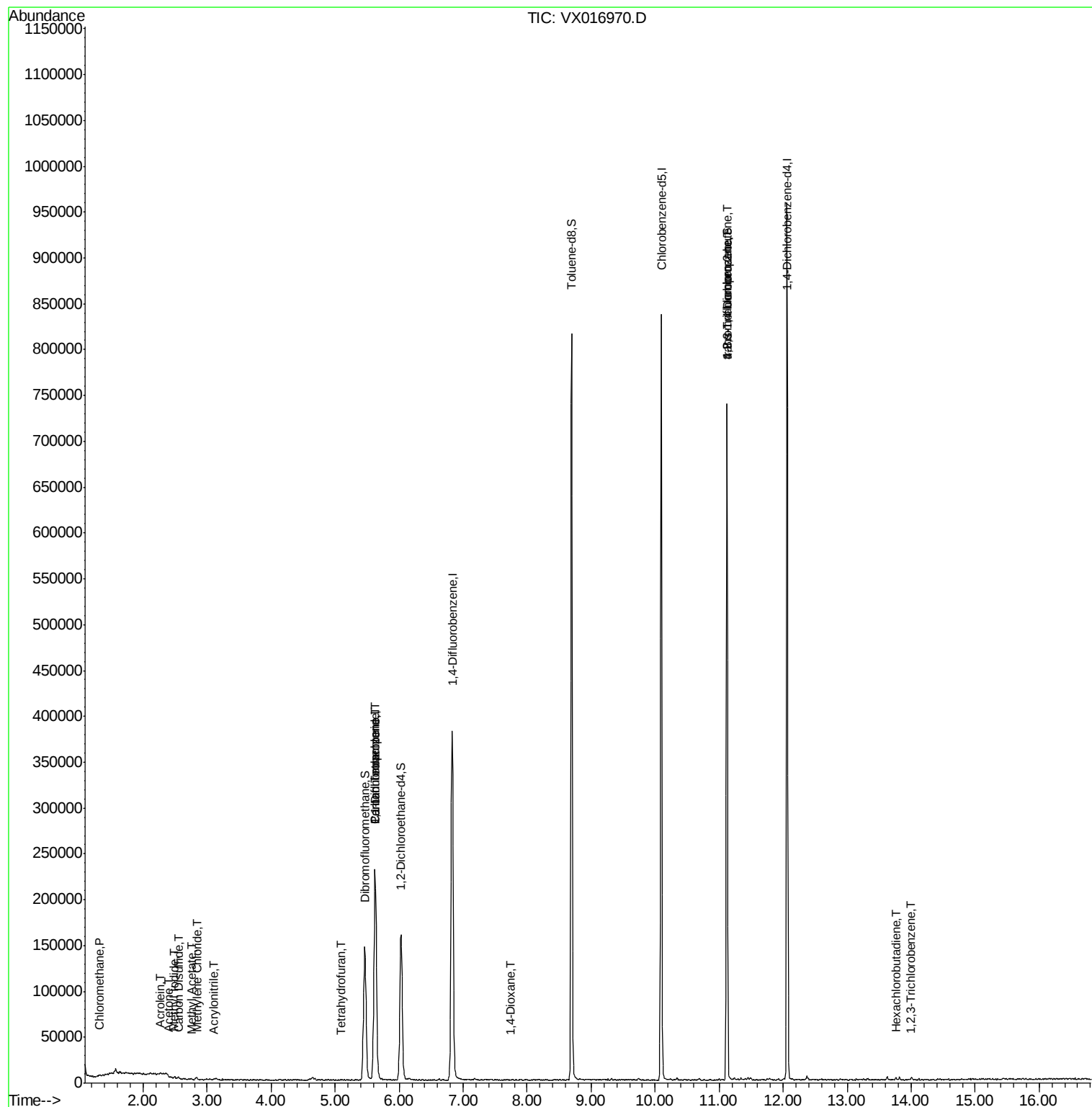
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1074	0.422	ug/l	99
5) Bromomethane	1.61	94	93	Below Cal	#	3
10) Methyl Iodide	2.49	142	1786	3.374	ug/l #	81
13) Acrolein	2.26	56	658	1.498	ug/l #	68
15) Acrylonitrile	3.11	53	885	0.643	ug/l	91
16) Acetone	2.40	43	625	0.509	ug/l #	80
17) Carbon Disulfide	2.55	76	2818	0.386	ug/l #	91
18) Methyl Acetate	2.76	43	870	0.291	ug/l	91
20) Methylene Chloride	2.84	84	811	0.291	ug/l #	86
29) Tetrahydrofuran	5.09	42	463	0.376	ug/l #	42
36) 1,1-Dichloropropene	5.62	75	18099	4.922	ug/l #	51
38) Carbon Tetrachloride	5.63	117	22355	5.744	ug/l #	16
49) 1,4-Dioxane	7.74	88	22	0.341	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	98133	26.560	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	98133	67.432	ug/l #	9
94) Hexachlorobutadiene	13.76	225	379	0.303	ug/l	87
96) 1,2,3-Trichlorobenzene	14.00	180	741	0.222	ug/l	96

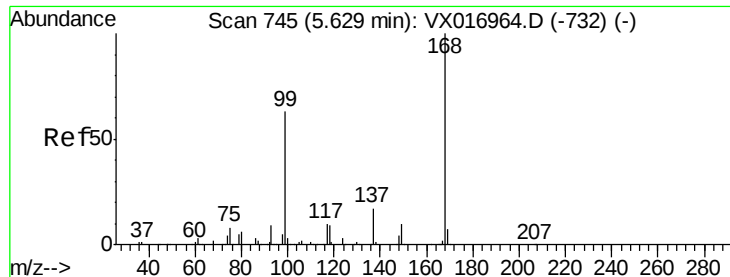
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 27 02:56:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

Instrument :

MSVOA_X

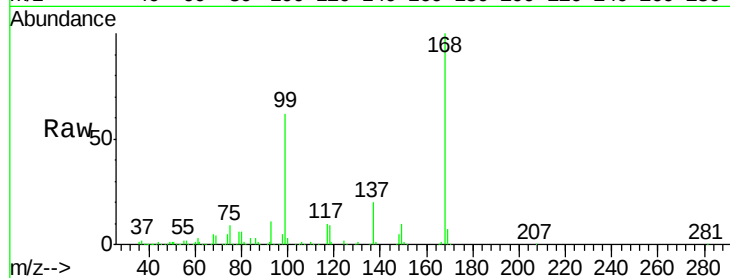
ClientSampleId :

Tot Ion:168 Resp: 207937

Ion Ratio Lower Upper

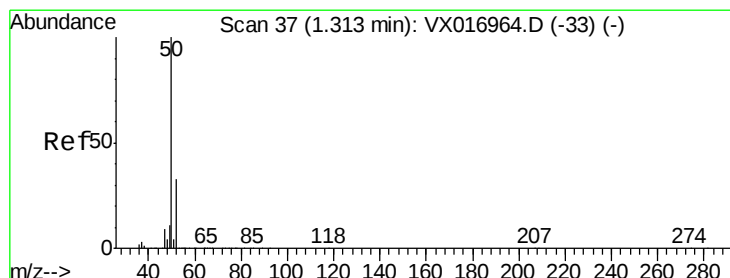
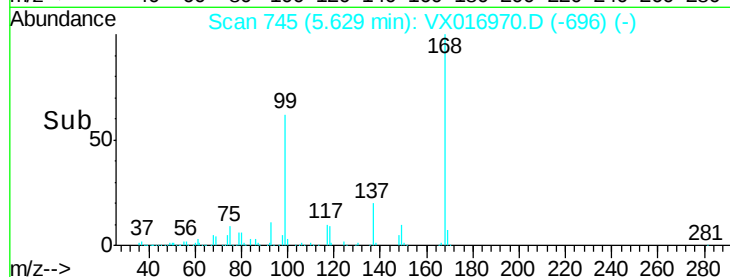
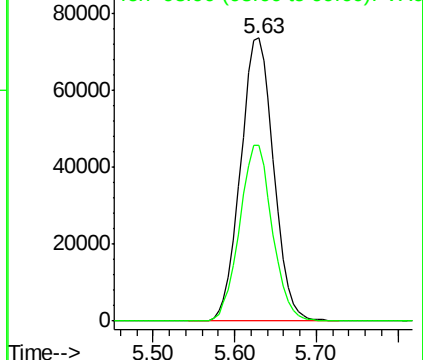
168 100

99 62.2 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.422 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016970.D

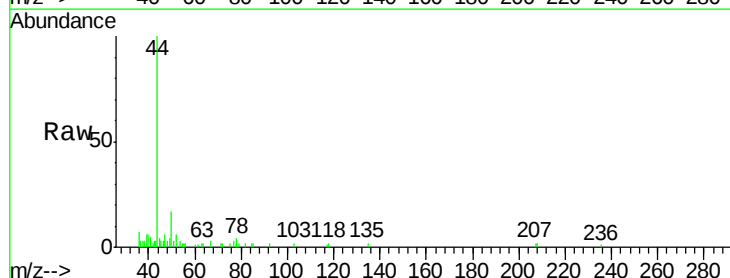
Acq: 26 Jun 2020 09:57

Tgt Ion: 50 Resp: 1074

Ion Ratio Lower Upper

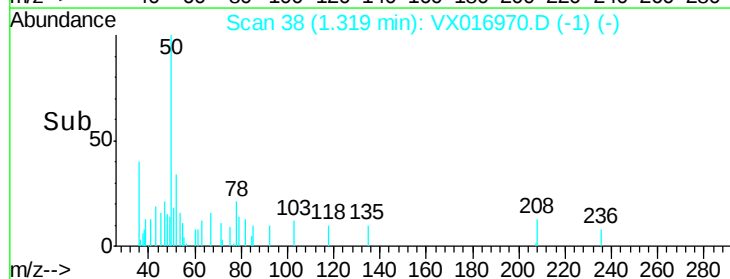
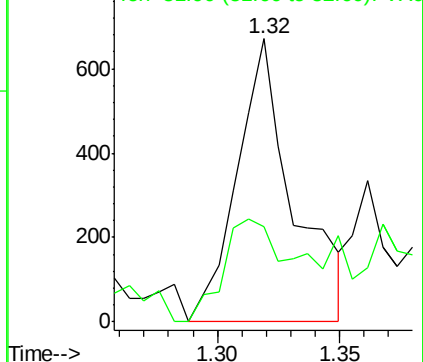
50 100

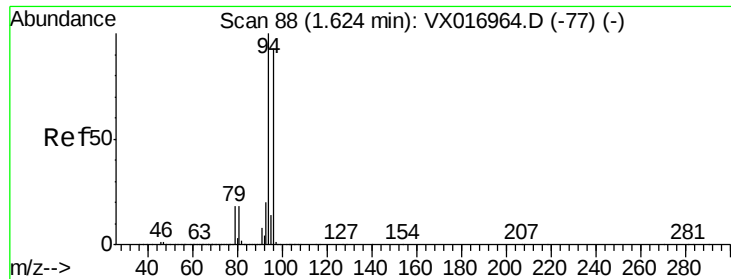
52 33.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 85

Delta R.T. -0.02 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

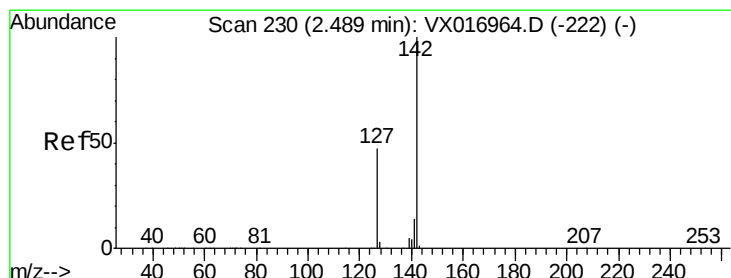
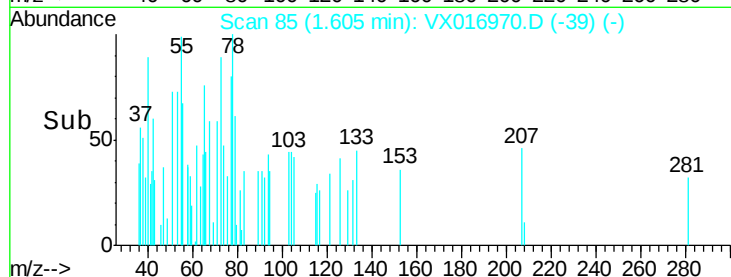
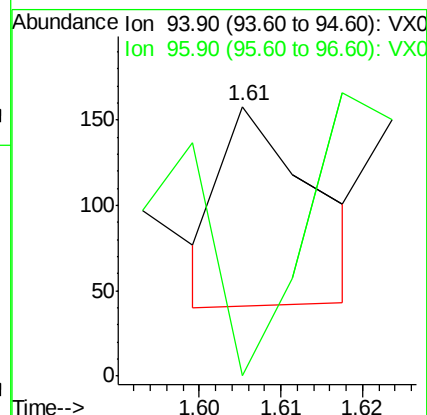
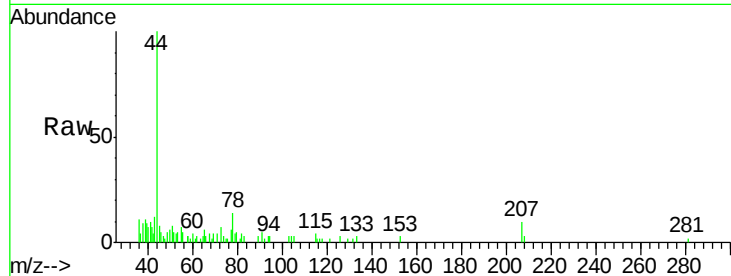
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 93

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#



#10

Methyl Iodide

Concen: 3.374 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

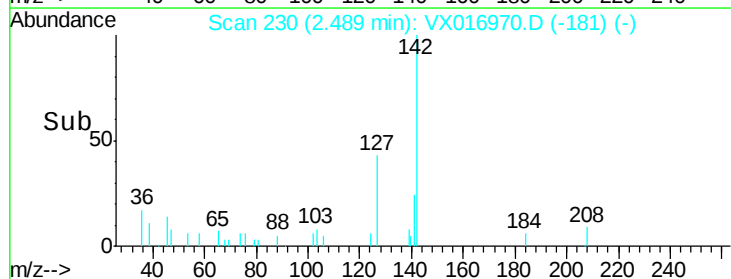
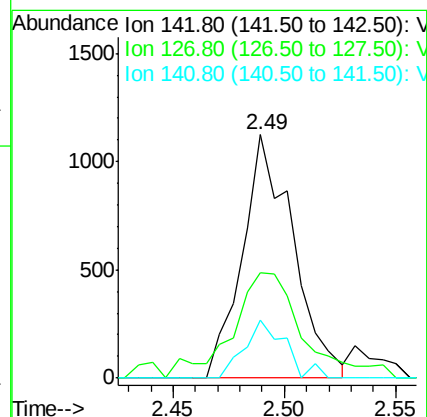
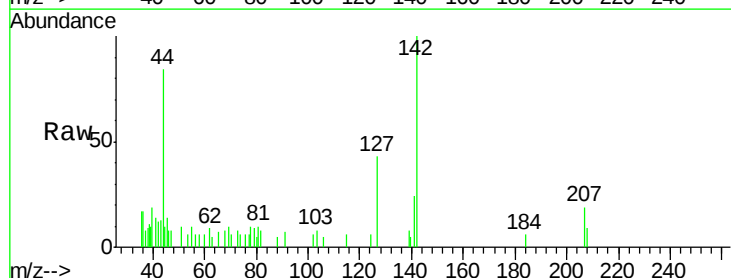
Tgt Ion:142 Resp: 1786

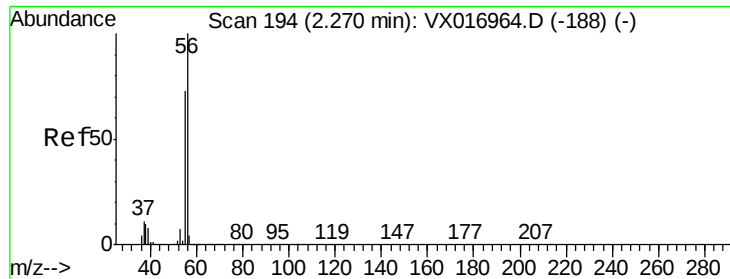
Ion Ratio Lower Upper

142 100

127 60.6 37.4 56.0#

141 19.0 11.7 17.5#





#13

Acrolein

Concen: 1.498 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

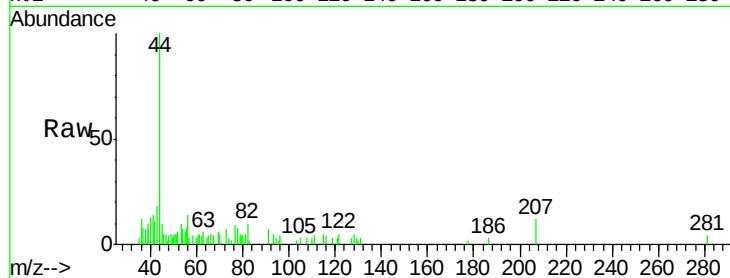
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 658

Ion Ratio Lower Upper

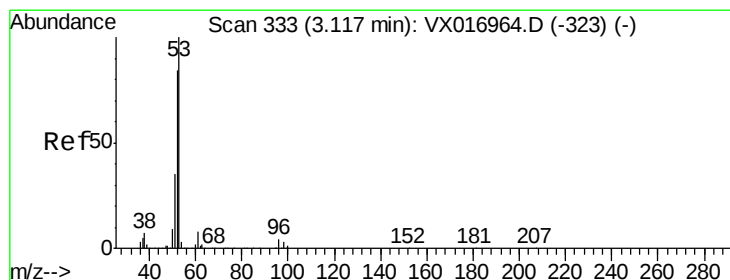
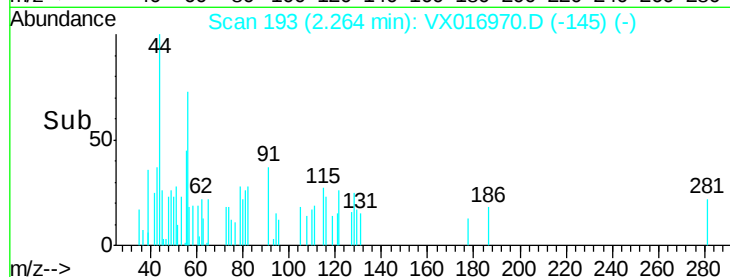
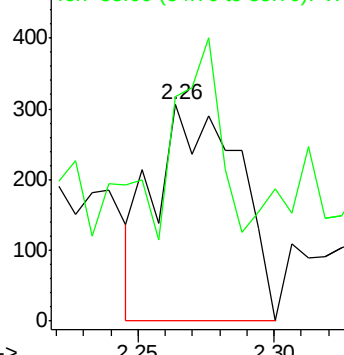
56 100

55 45.1 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.643 ug/l

RT: 3.11 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

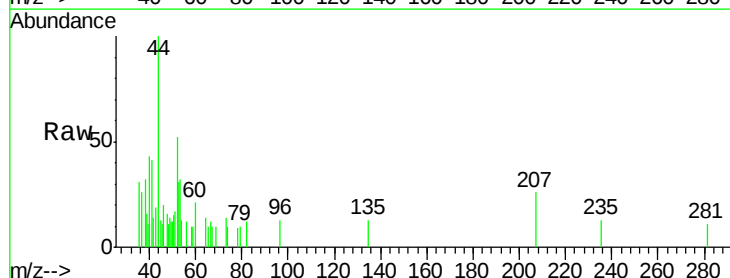
Tgt Ion: 53 Resp: 885

Ion Ratio Lower Upper

53 100

52 92.2 66.3 99.5

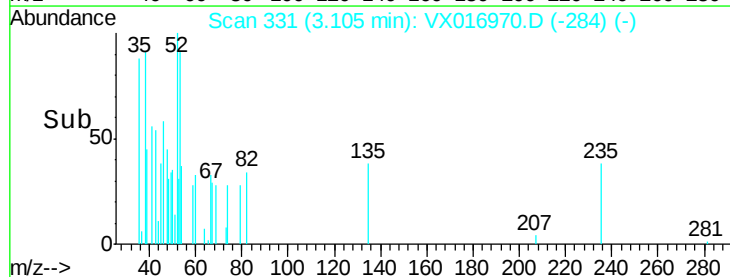
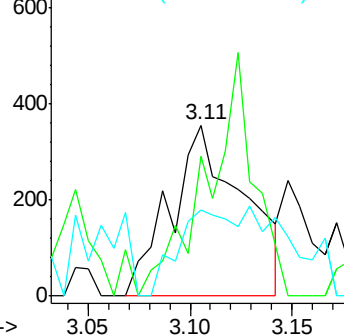
51 40.1 29.0 43.6

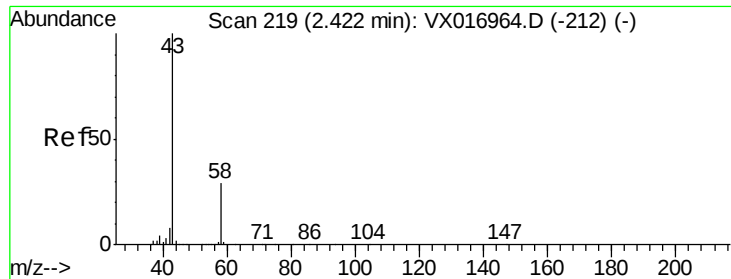


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.509 ug/l

RT: 2.40 min Scan# 216

Delta R.T. -0.02 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

Instrument :

MSVOA_X

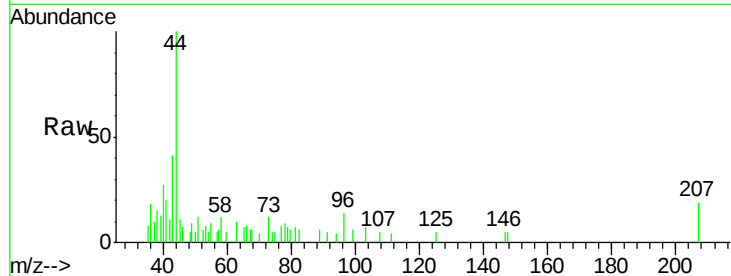
ClientSampled :

Tot Ion: 43 Resp: 625

Ion Ratio Lower Upper

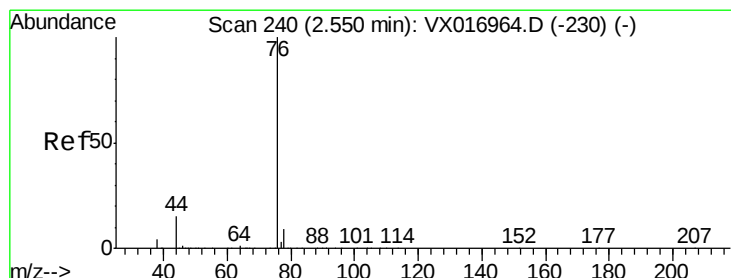
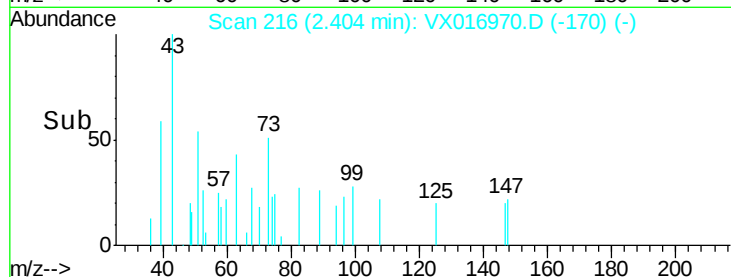
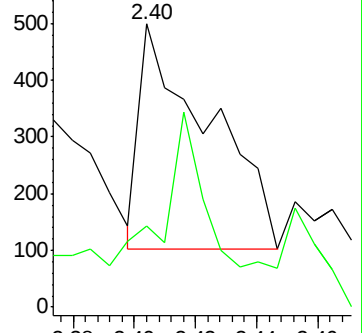
43 100

58 18.9 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.386 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016970.D

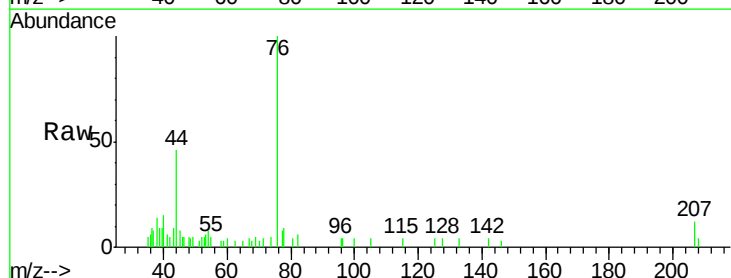
Acq: 26 Jun 2020 09:57

Tgt Ion: 76 Resp: 2818

Ion Ratio Lower Upper

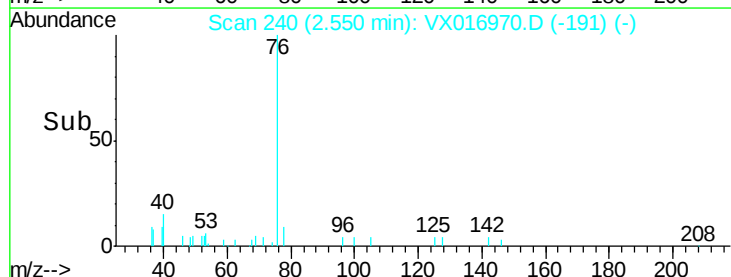
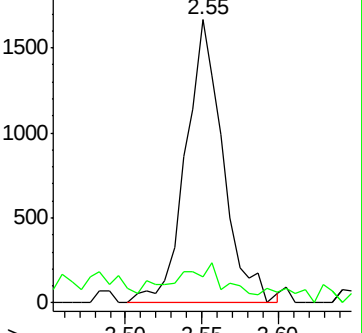
76 100

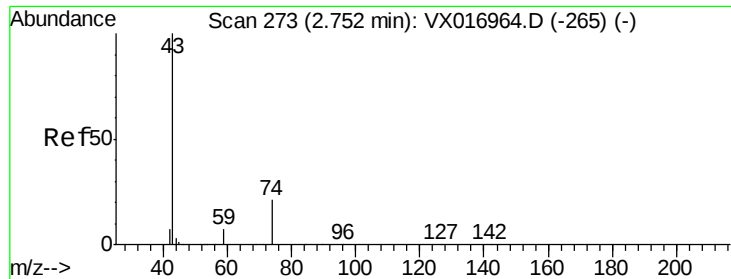
78 5.6 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

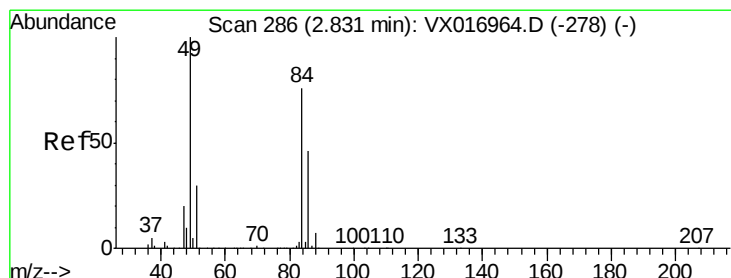
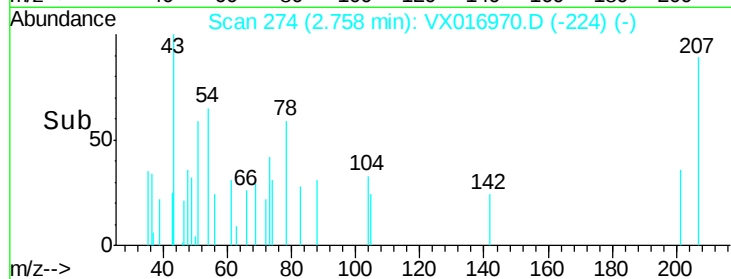
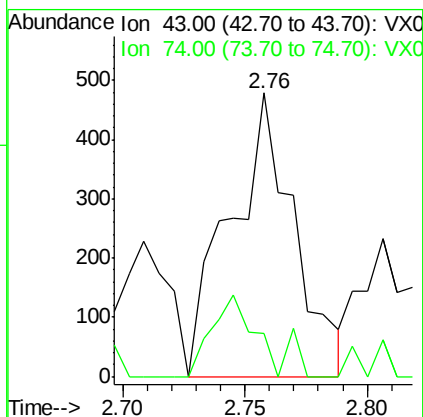
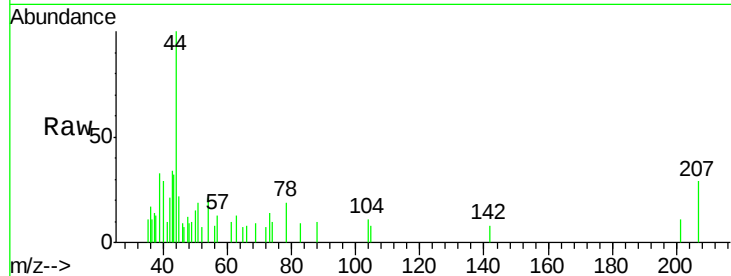




#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

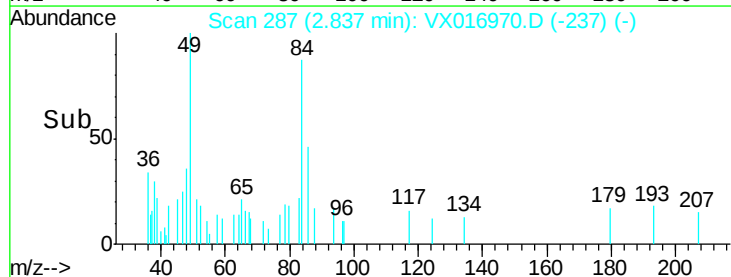
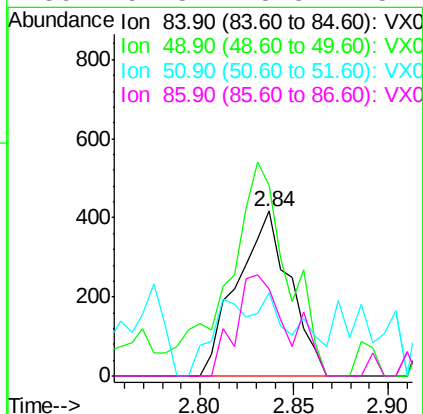
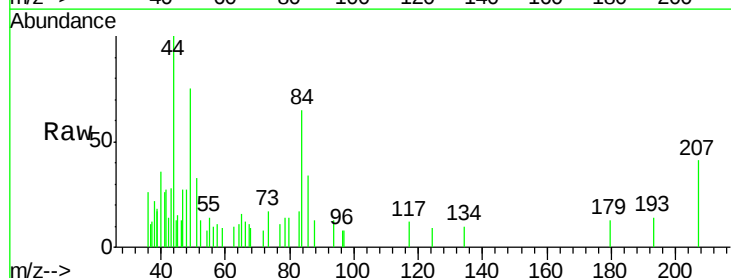
Instrument :
MSVOA_X
ClientSampled :

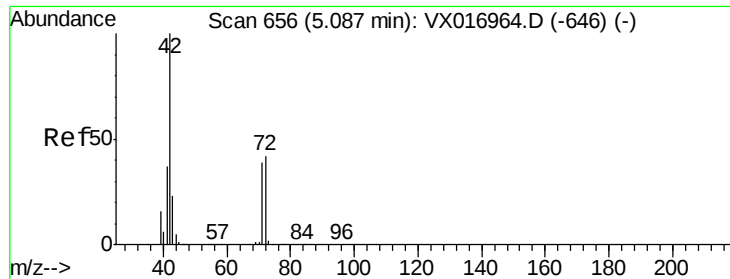
Tot Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
74 18.6 18.3 27.5



#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

Tgt Ion: 84 Resp: 811
Ion Ratio Lower Upper
84 100
49 115.6 105.6 158.4
51 50.1 31.2 46.8#
86 52.8 48.8 73.2

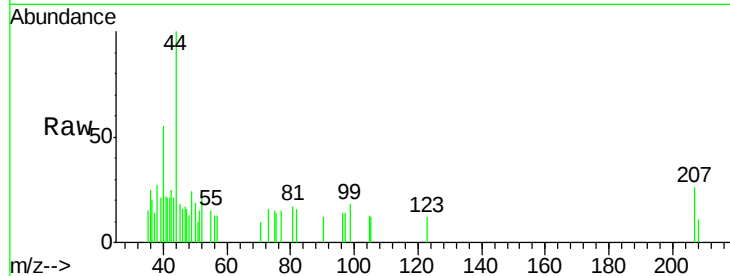




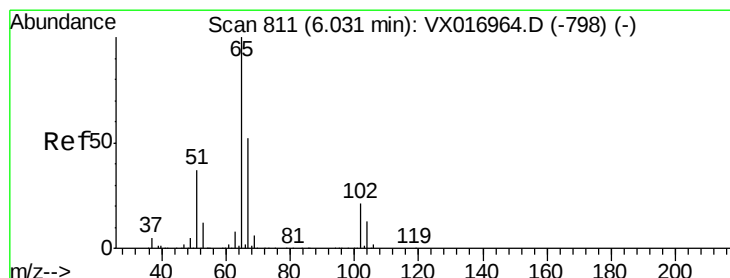
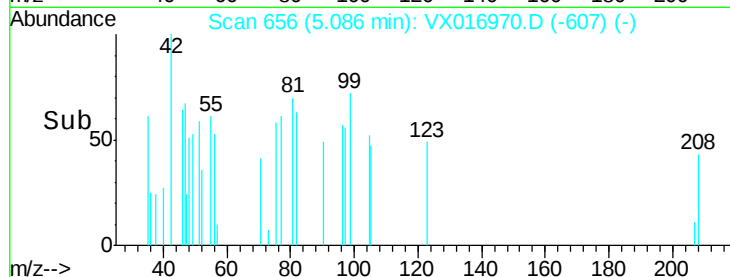
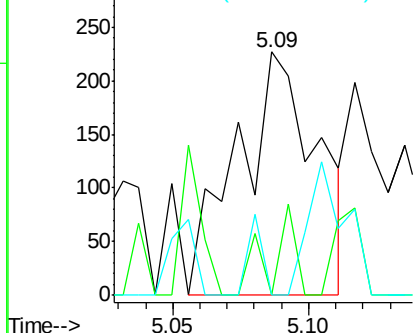
#29
Tetrahydrofuran
Concen: 0.376 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 4.5 34.1 51.1#
71 5.8 32.1 48.1#

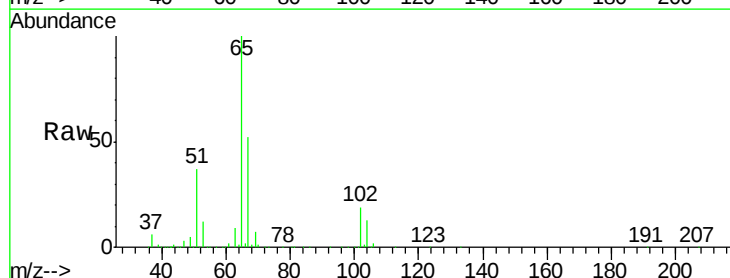


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

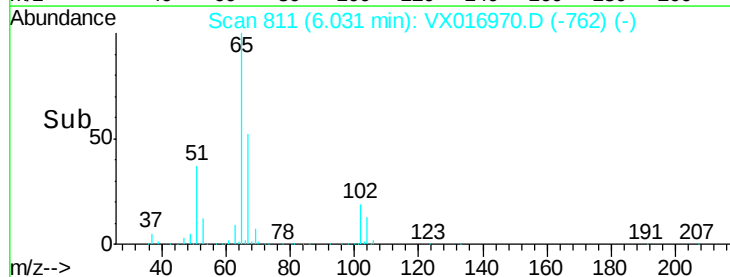
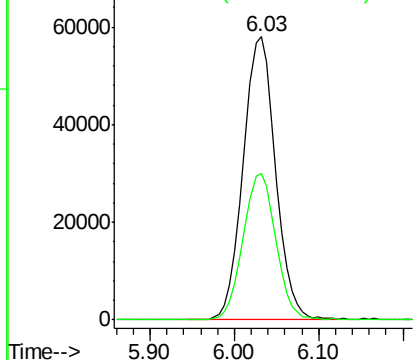


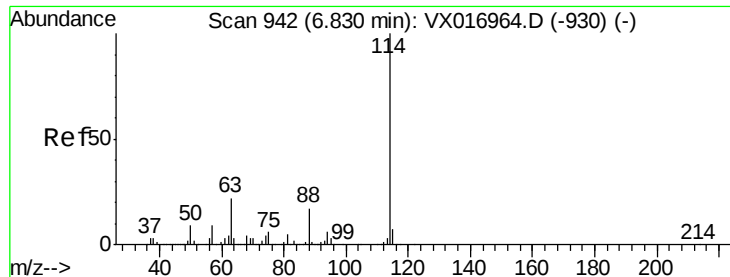
#33
1,2-Dichloroethane-d4
Concen: 48.088 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

Tgt Ion: 65 Resp: 150999
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

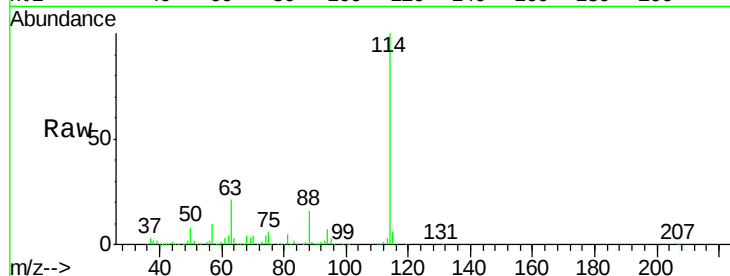
Tot Ion:114 Resp: 371386

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.4

88 16.5 0.0 33.2



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

200000

150000

100000

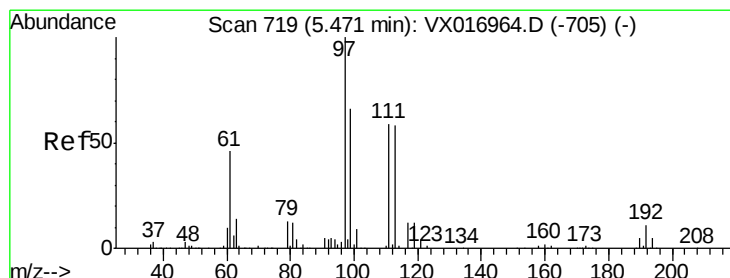
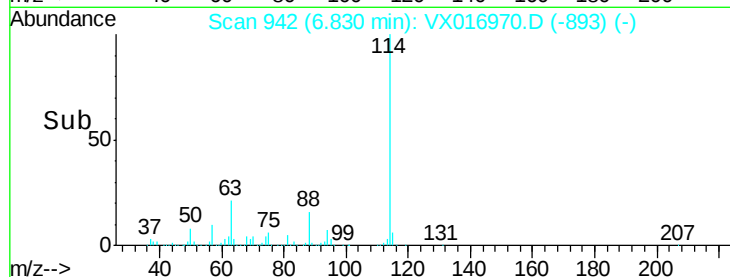
50000

0

6.83

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 49.928 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

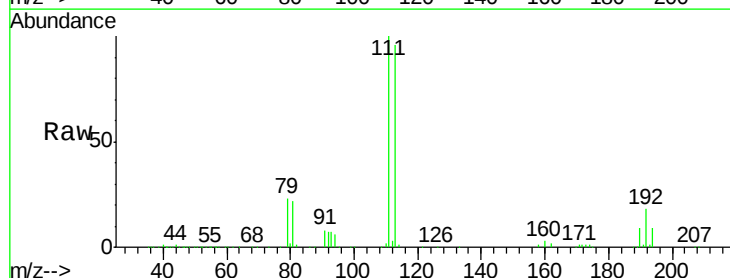
Tgt Ion:113 Resp: 122470

Ion Ratio Lower Upper

113 100

111 101.3 84.3 126.5

192 18.4 15.2 22.8



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

60000

50000

40000

30000

20000

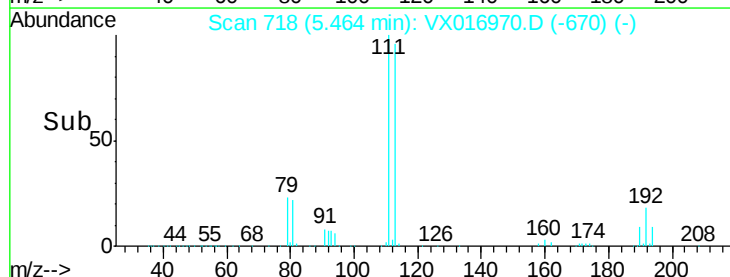
10000

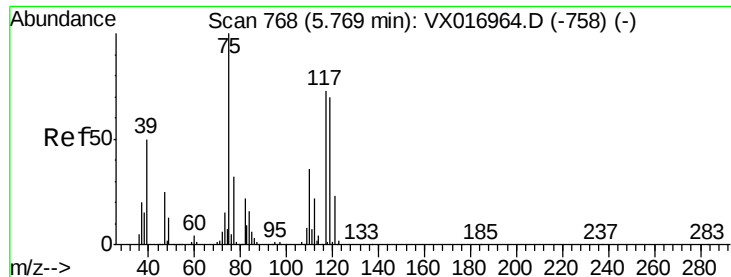
0

5.46

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

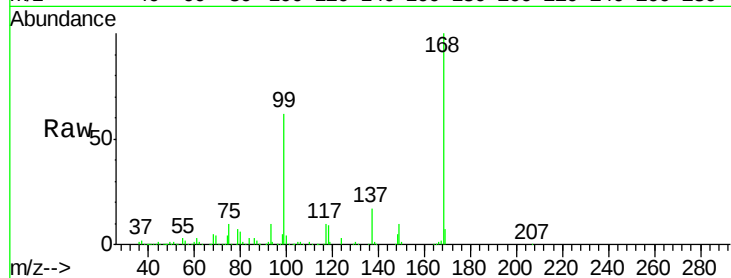
Tot Ion: 75 Resp: 18099

Ion Ratio Lower Upper

75 100

110 9.7 17.2 51.6#

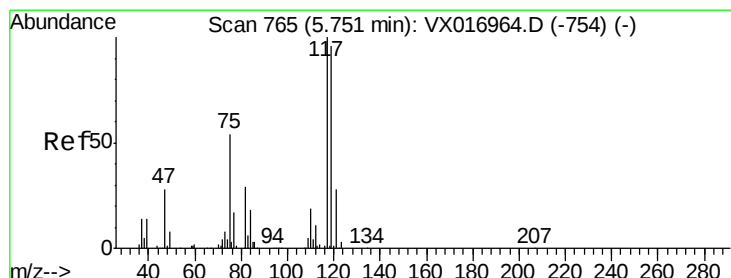
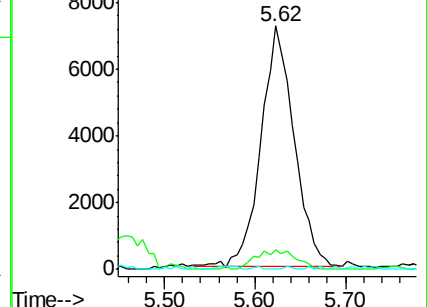
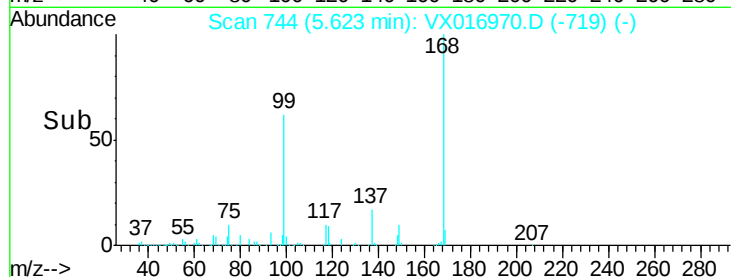
77 0.3 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX016970.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016970.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016970.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.744 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

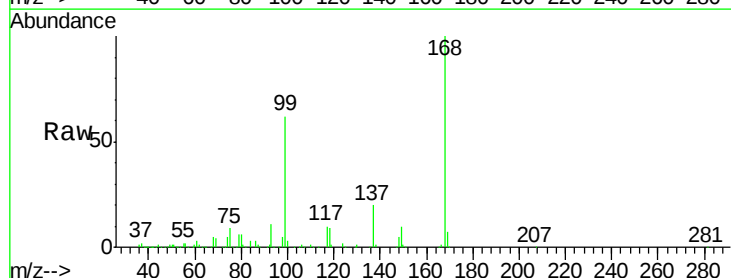
Tgt Ion: 117 Resp: 22355

Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

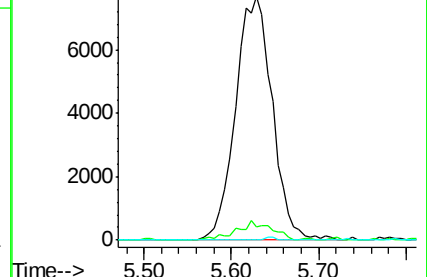
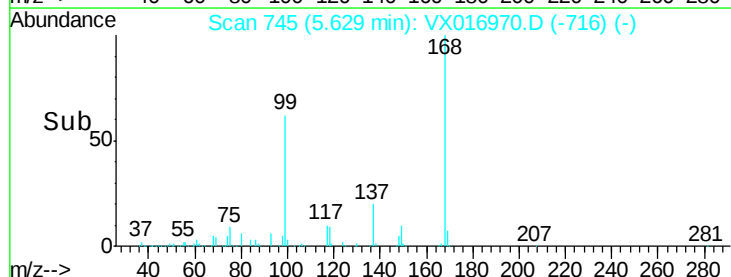
121 0.0 22.5 33.7#

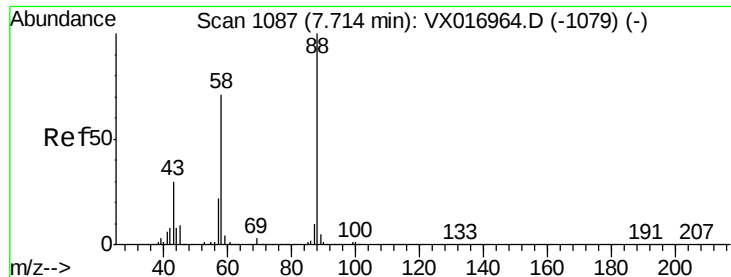


Abundance Ion 116.80 (116.50 to 117.50): VX016970.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX016970.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX016970.D (-716) (-)

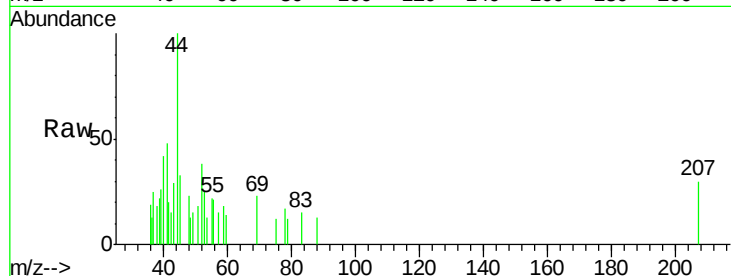




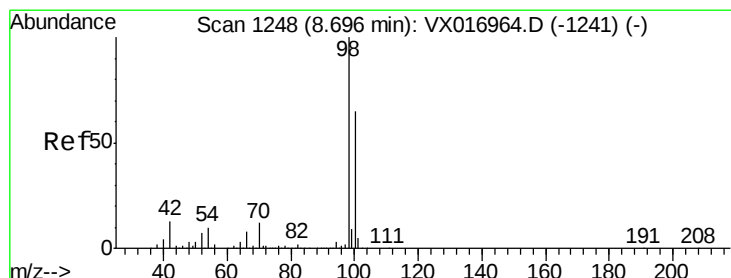
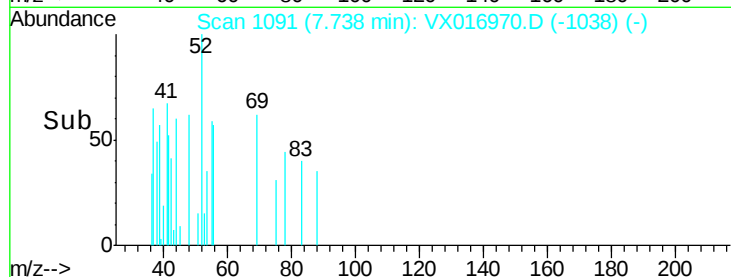
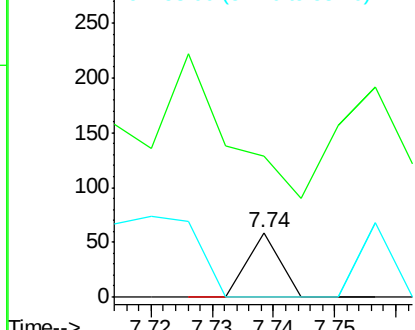
#49
1,4-Dioxane
Concen: 0.341 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1450.0 28.1 42.1#
58 350.0 56.1 84.1#

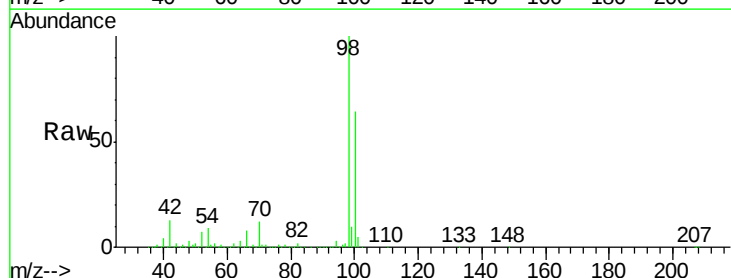


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

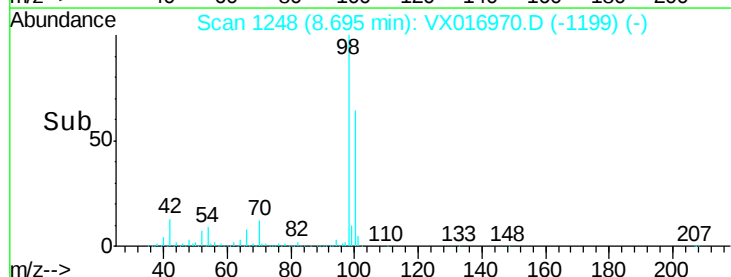
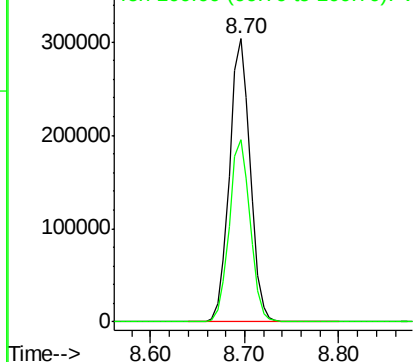


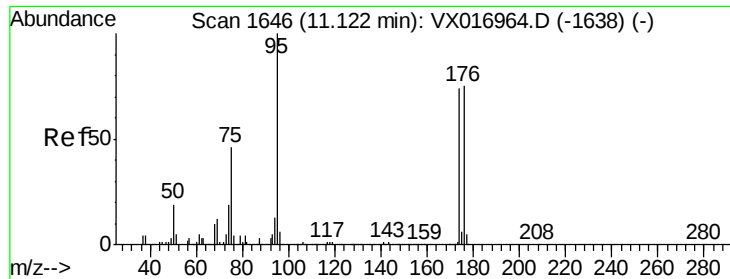
#50
Toluene-d8
Concen: 51.506 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

Tgt Ion: 98 Resp: 463106
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



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

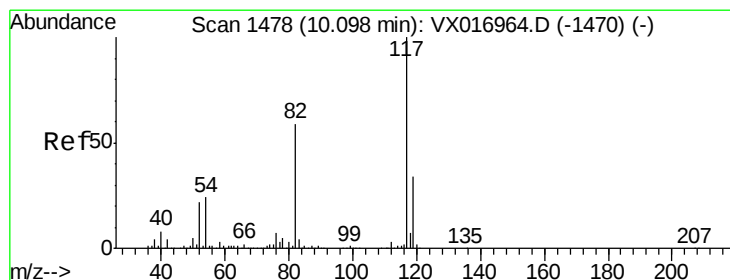
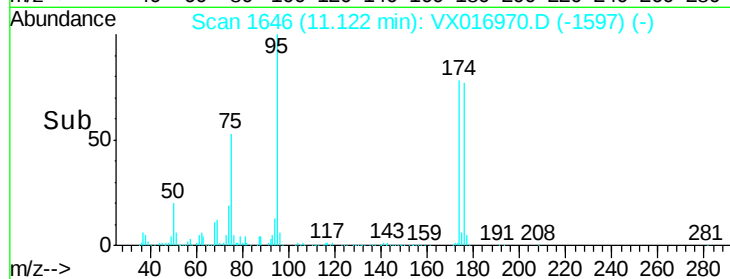
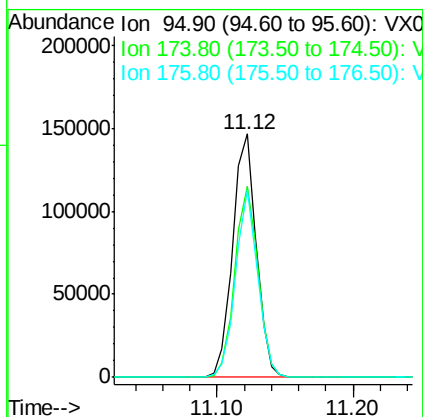
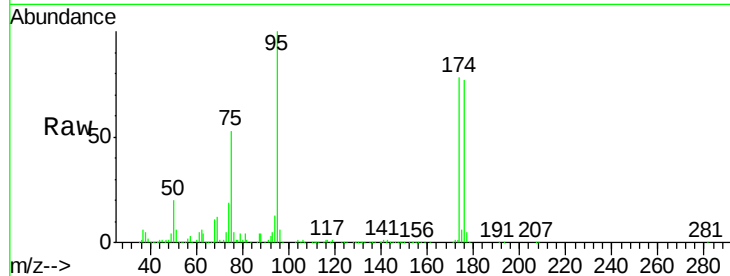




#62
4-Bromofluorobenzene
Concen: 50.926 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

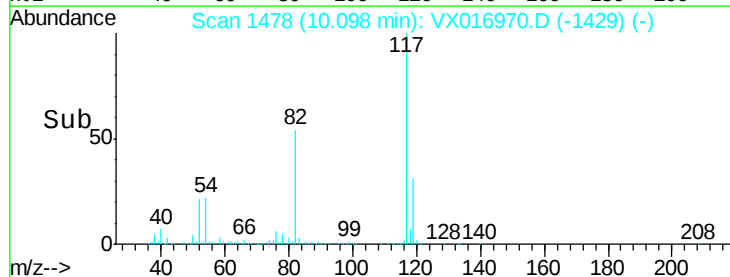
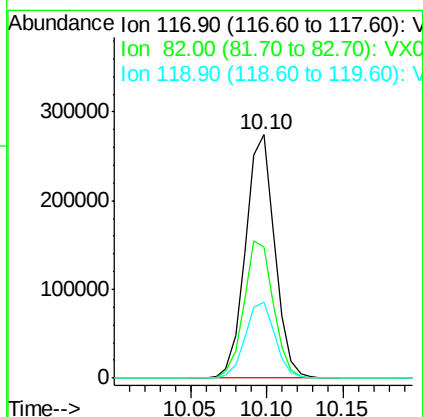
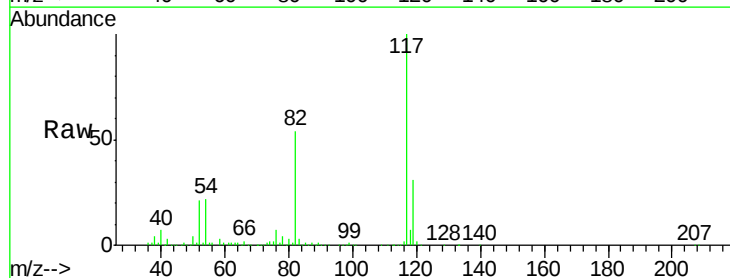
Instrument :
MSVOA_X
ClientSampleId :

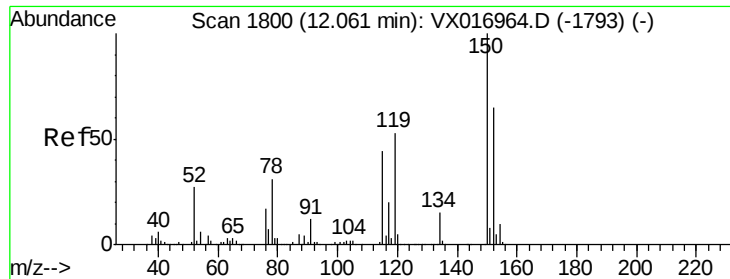
Tot Ion: 95 Resp: 177065
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.6
176 72.9 0.0 148.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016970.D
Acq: 26 Jun 2020 09:57

Tgt Ion: 117 Resp: 362890
Ion Ratio Lower Upper
117 100
82 54.0 46.8 70.2
119 31.0 27.3 40.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

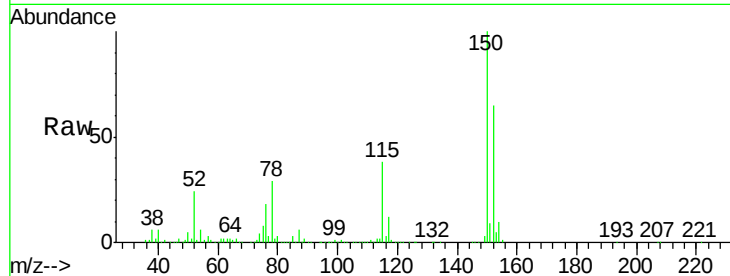
Tot Ion:152 Resp: 176057

Ion Ratio Lower Upper

152 100

115 59.9 42.8 128.4

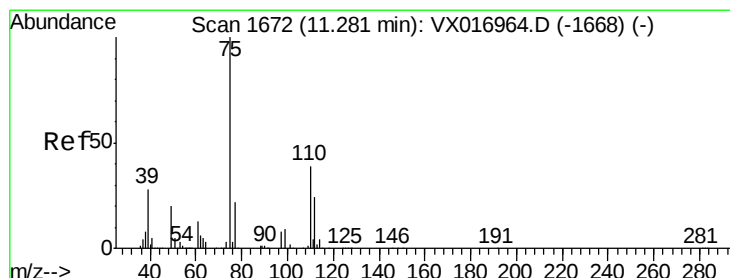
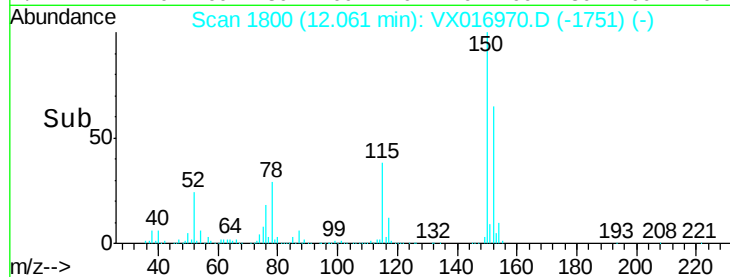
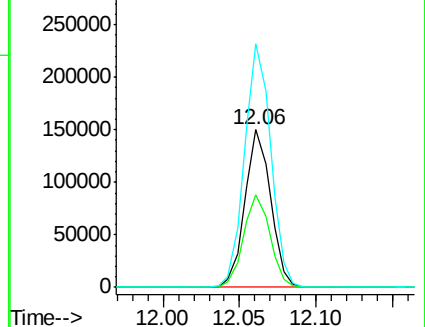
150 157.1 0.0 347.8



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: 26.560 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016970.D

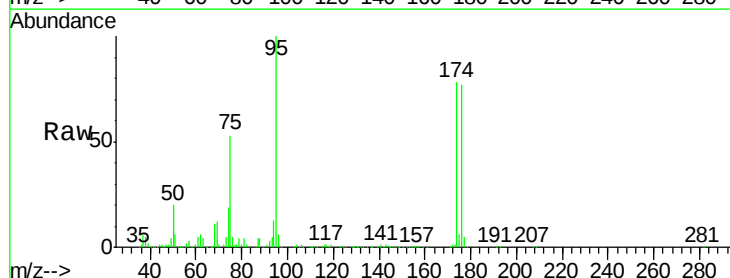
Acq: 26 Jun 2020 09:57

Tgt Ion: 75 Resp: 98133

Ion Ratio Lower Upper

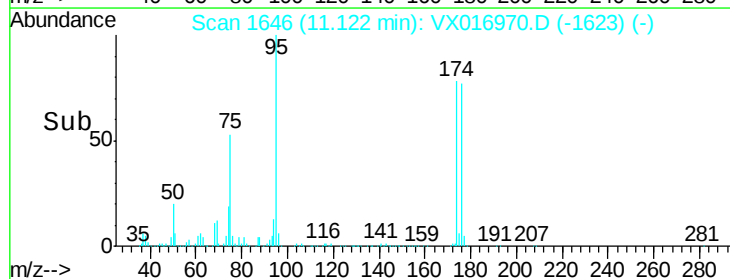
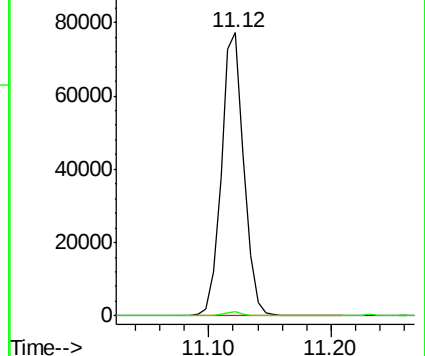
75 100

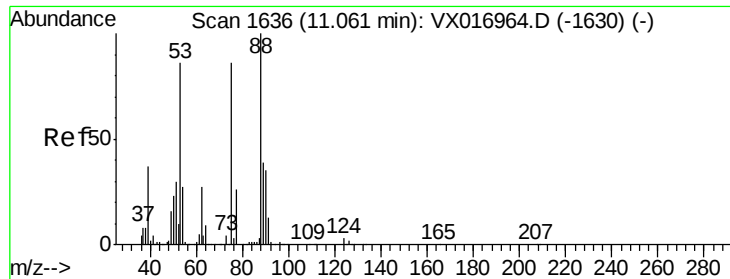
77 1.4 20.3 61.0#



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: 67.432 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

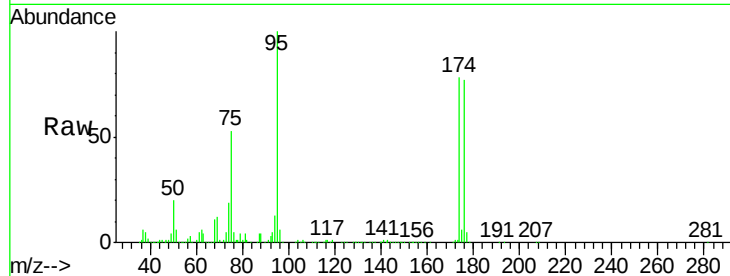
Tot Ion: 75 Resp: 98133

Ion Ratio Lower Upper

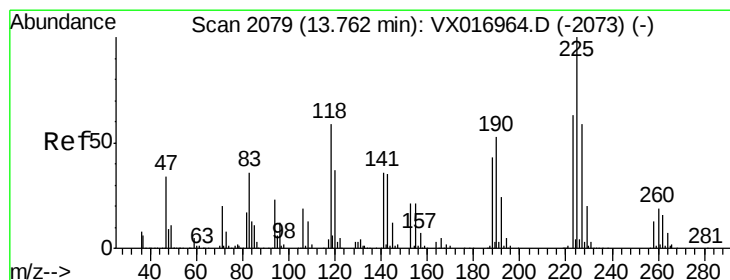
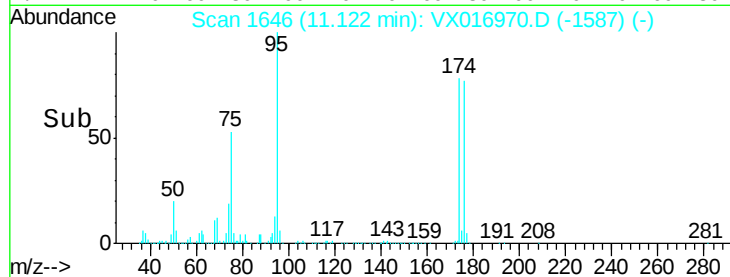
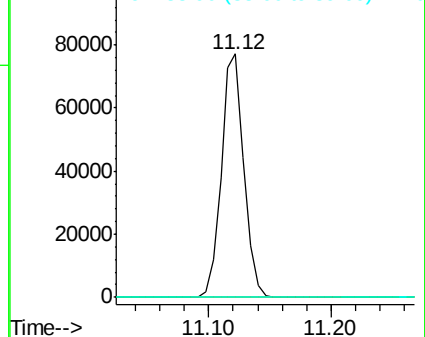
75 100

53 0.2 81.9 122.9#

89 0.0 35.5 53.3#



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: 0.303 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX016970.D

Acq: 26 Jun 2020 09:57

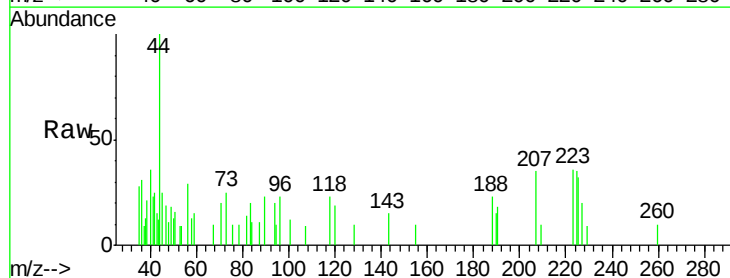
Tgt Ion: 225 Resp: 379

Ion Ratio Lower Upper

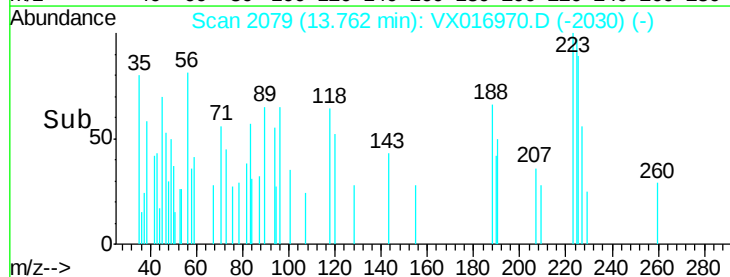
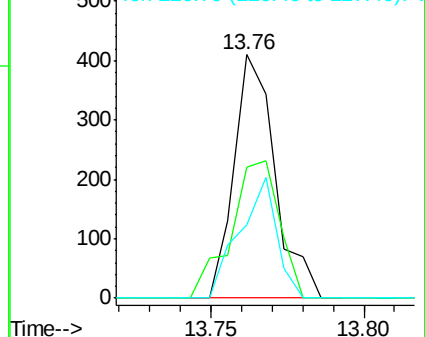
225 100

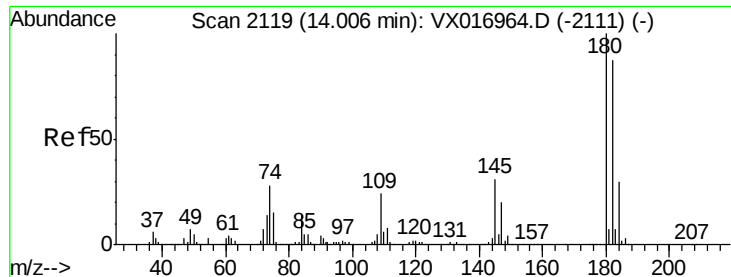
223 67.0 31.1 93.2

227 45.1 30.3 90.9



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

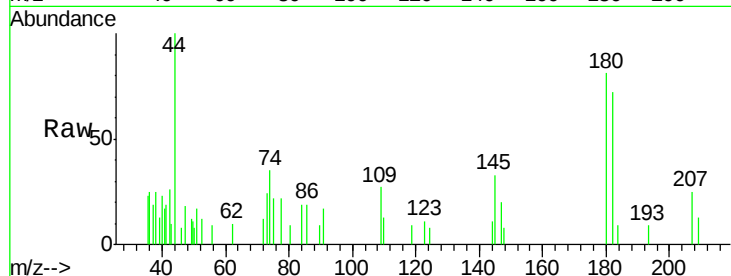




#96
 1,2,3-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX016970.D
 Acq: 26 Jun 2020 09:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.8	143.3
145	32.8	16.9	50.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

