

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019279.D
 Acq On : 04 Nov 2020 19:19
 Operator : JC/MD
 Sample : L4607-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:25:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	280654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	496298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	462286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234857	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	193466	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
35) Dibromofluoromethane	5.46	113	153122	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.70	98	607956	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.12	95	228139	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

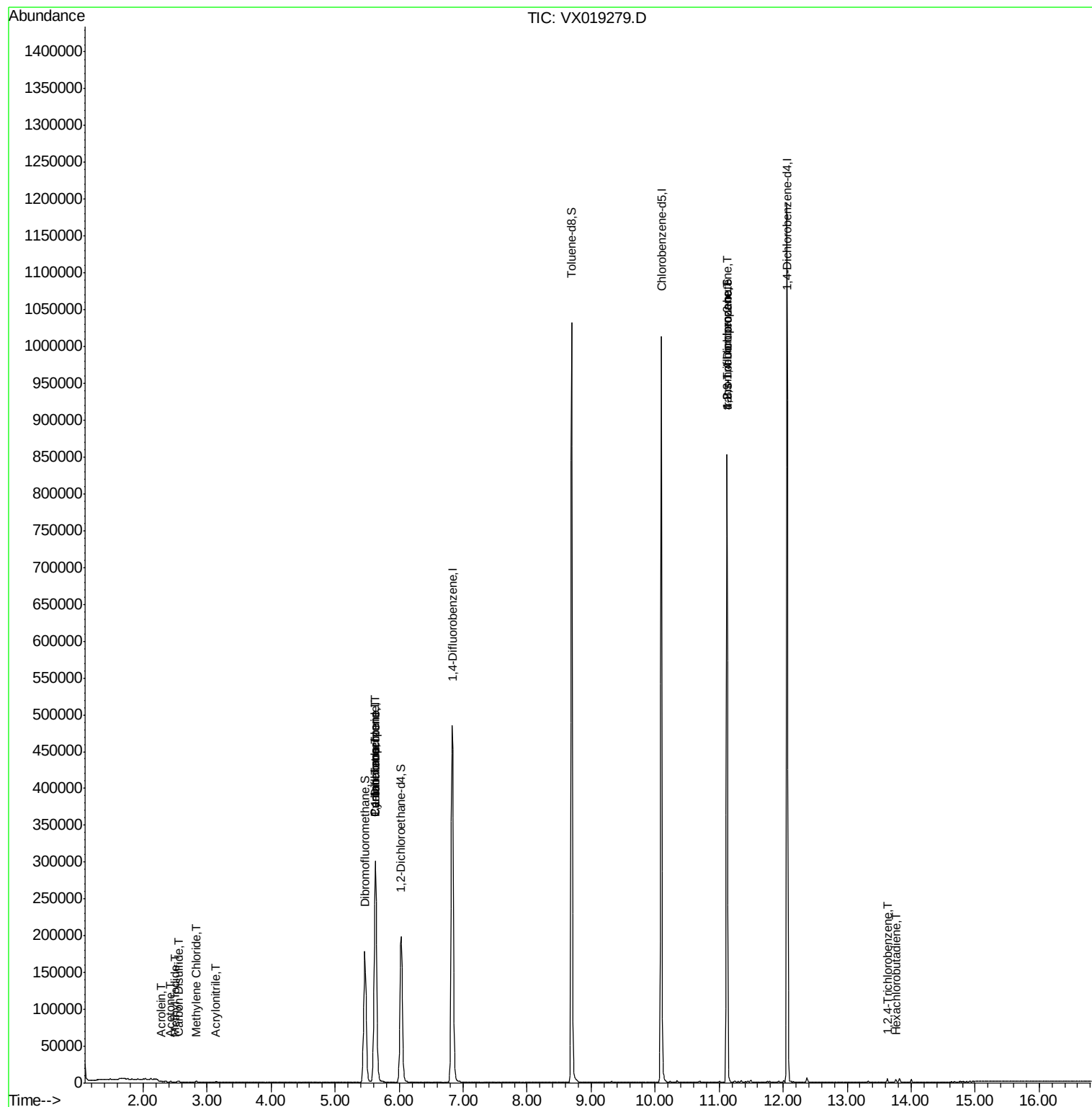
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	474	6.511	ug/l #	87
13) Acrolein	2.28	56	70	5.862	ug/l #	1
15) Acrylonitrile	3.12	53	545	0.363	ug/l	91
16) Acetone	2.43	43	746	0.597	ug/l	95
17) Carbon Disulfide	2.55	76	1951	1.008	ug/l #	92
20) Methylene Chloride	2.84	84	688	0.219	ug/l	92
31) Cyclohexane	5.62	56	6337	1.385	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23868	5.208	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29278	6.268	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	118134	24.361	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	118134	64.142	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1260	0.227	ug/l	91
94) Hexachlorobutadiene	13.76	225	538	0.221	ug/l	88

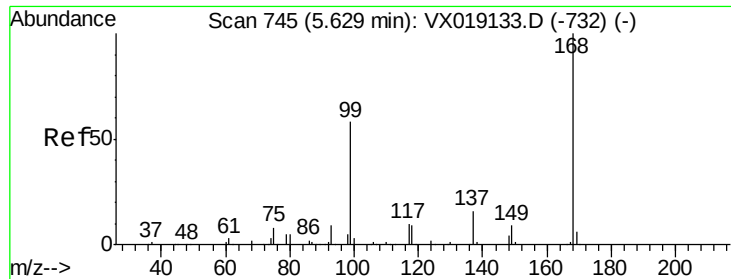
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

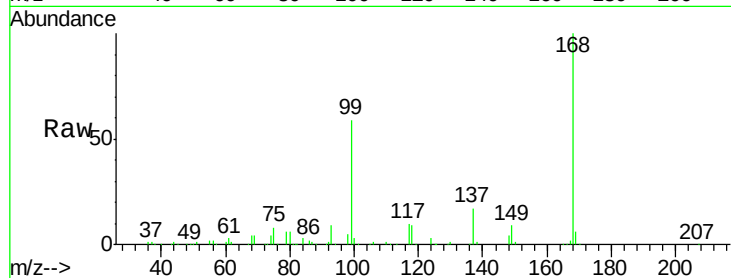
ClientSampled :

Tot Ion:168 Resp: 280654

Ion Ratio Lower Upper

168 100

99 58.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

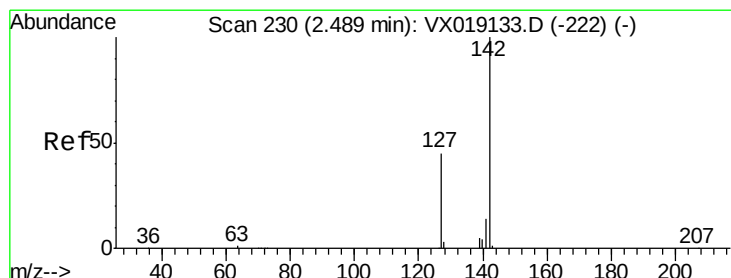
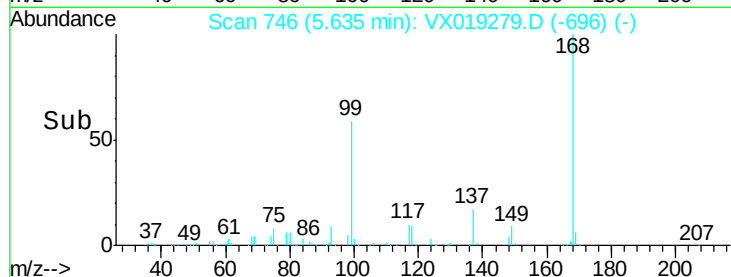
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.511 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

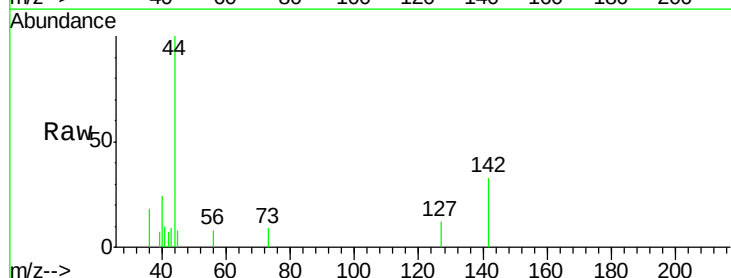
Tgt Ion:142 Resp: 474

Ion Ratio Lower Upper

142 100

127 40.7 36.1 54.1

141 0.0 11.3 16.9#



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

2.50

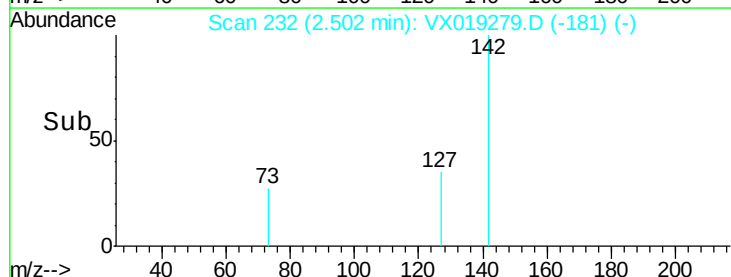
300

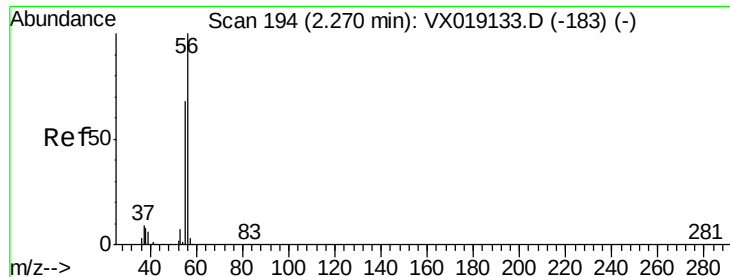
200

100

0

Time-->





#13

Acrolein

Concen: 5.862 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

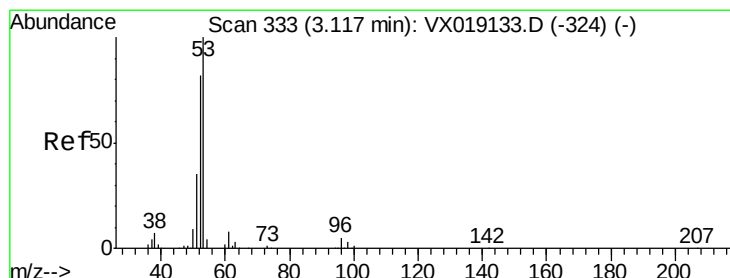
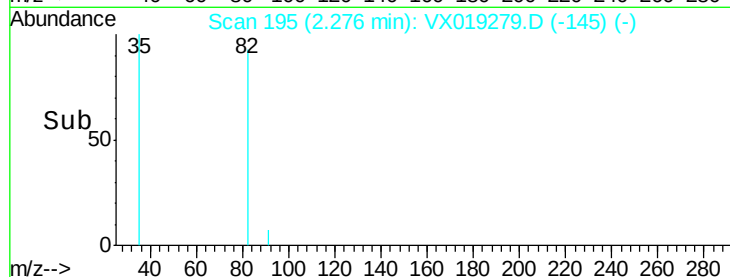
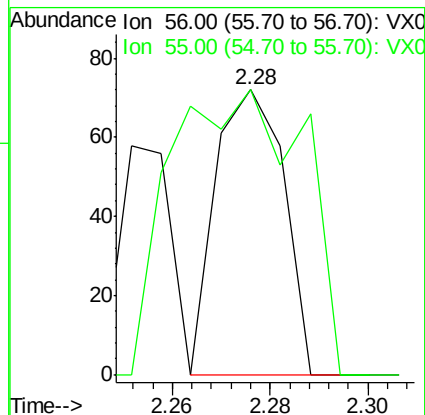
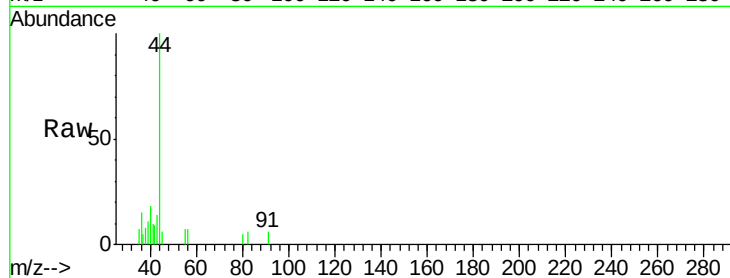
ClientSampled :

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 194.3 54.7 82.1#



#15

Acrylonitrile

Concen: 0.363 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

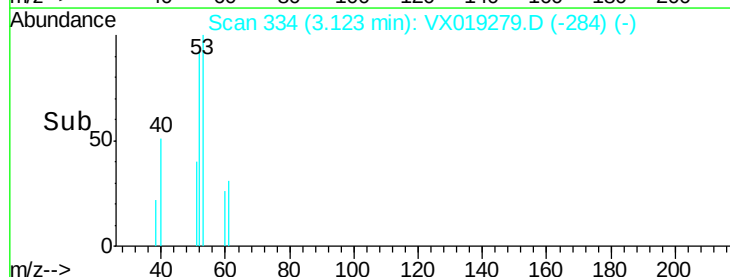
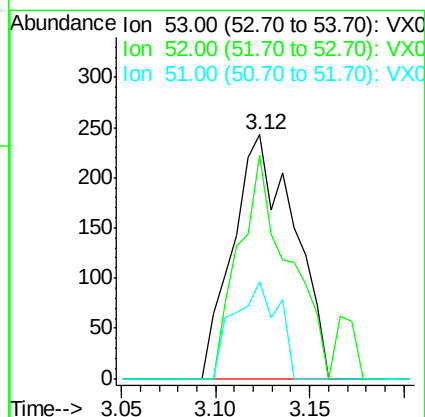
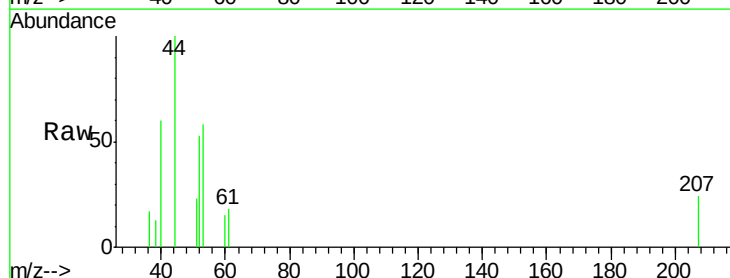
Tgt Ion: 53 Resp: 545

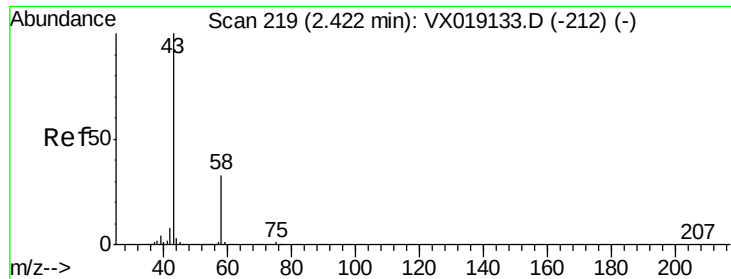
Ion Ratio Lower Upper

53 100

52 74.5 65.7 98.5

51 29.2 28.4 42.6

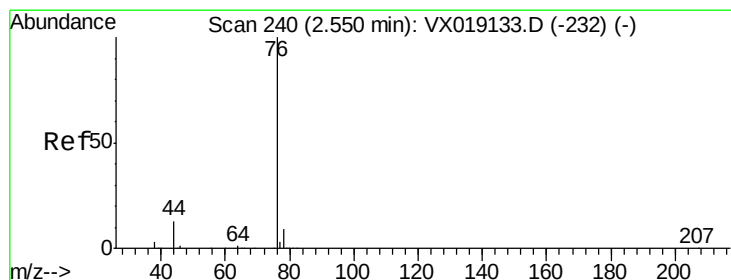
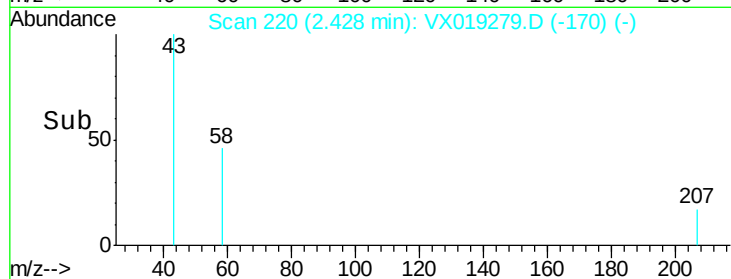
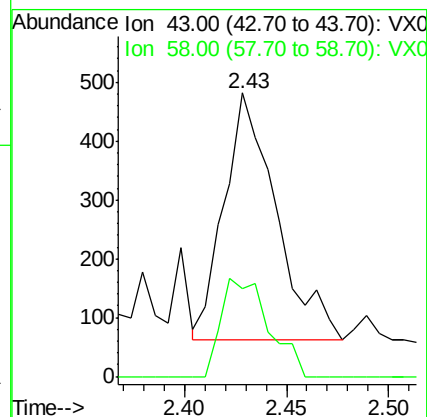
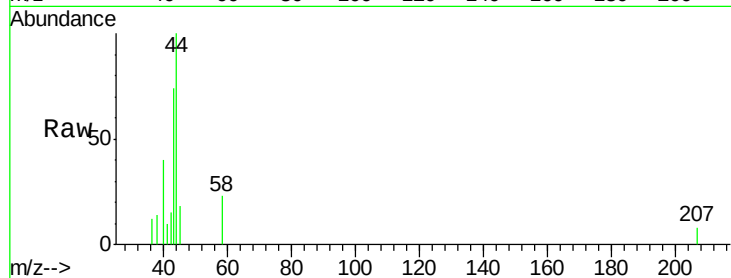




#16
Acetone
Concen: 0.597 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX019279.D
Acq: 04 Nov 2020 19:19

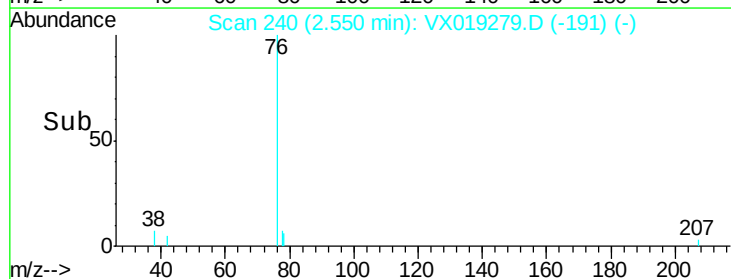
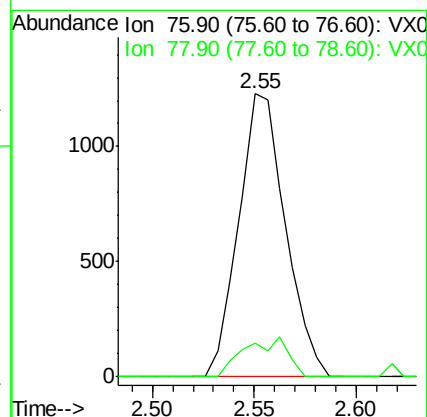
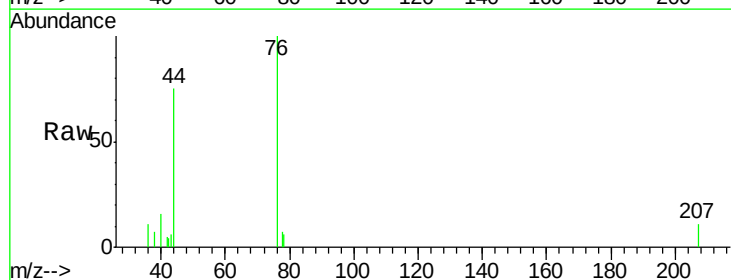
Instrument :
MSVOA_X
ClientSampled :

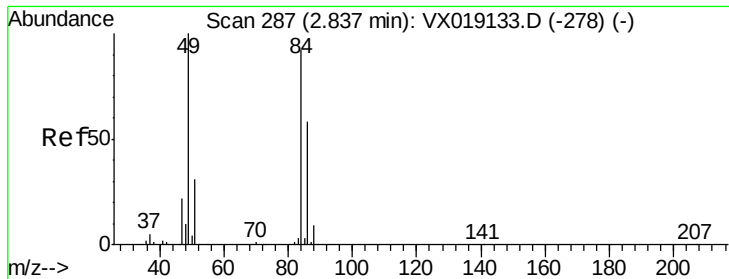
Tot Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 35.7 26.3 39.5



#17
Carbon Disulfide
Concen: 1.008 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019279.D
Acq: 04 Nov 2020 19:19

Tgt Ion: 76 Resp: 1951
Ion Ratio Lower Upper
76 100
78 12.1 7.3 10.9#





#20

Methvlene Chloride

Concen: 0.219 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 688

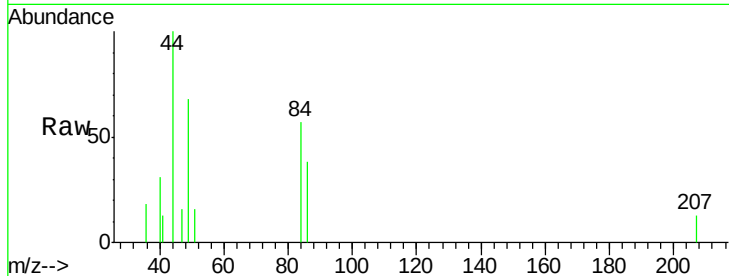
Ion Ratio Lower Upper

84 100

49 119.4 86.8 130.2

51 28.7 27.3 40.9

86 66.4 50.6 76.0

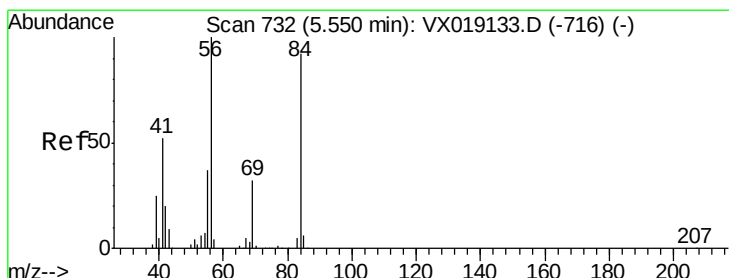
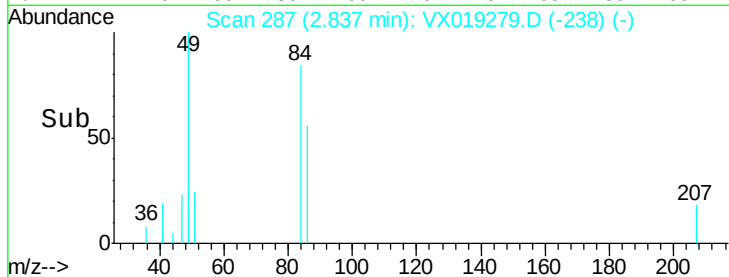
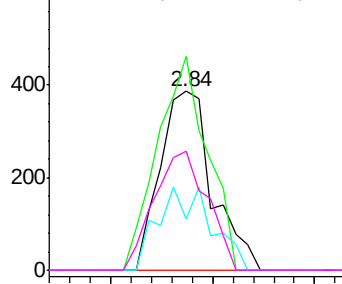


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

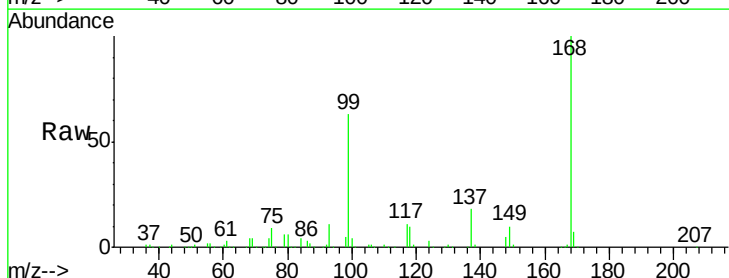
Tgt Ion: 56 Resp: 6337

Ion Ratio Lower Upper

56 100

69 198.7 25.9 38.9#

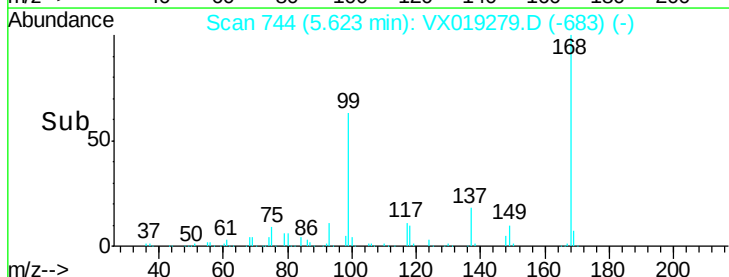
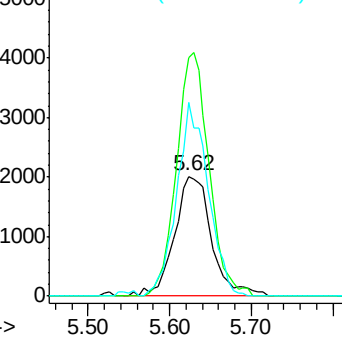
84 160.9 73.4 110.2#

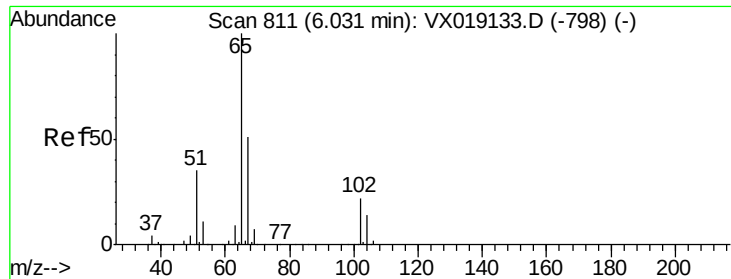


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

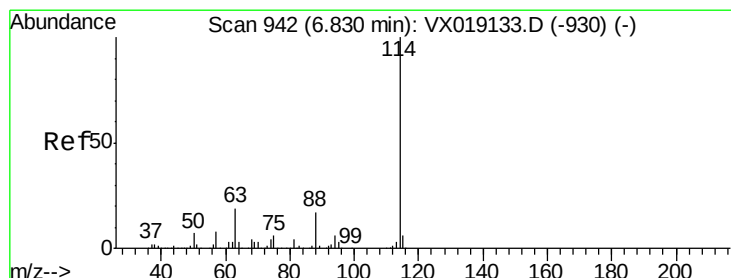
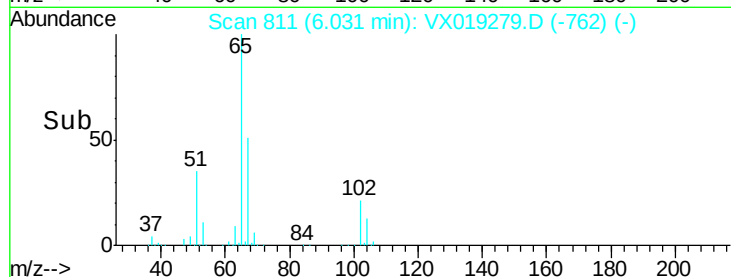
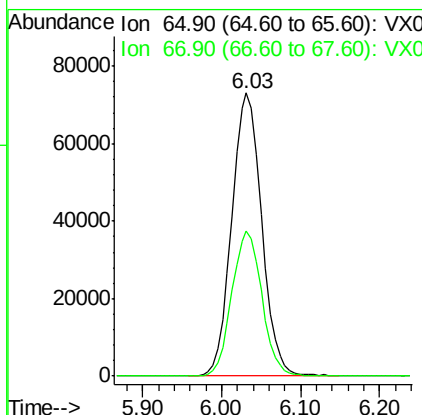
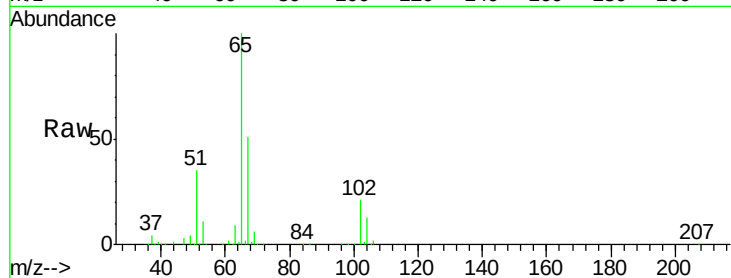




#33
 1,2-Dichloroethane-d4
 Concen: 53.453 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019279.D
 Acq: 04 Nov 2020 19:19

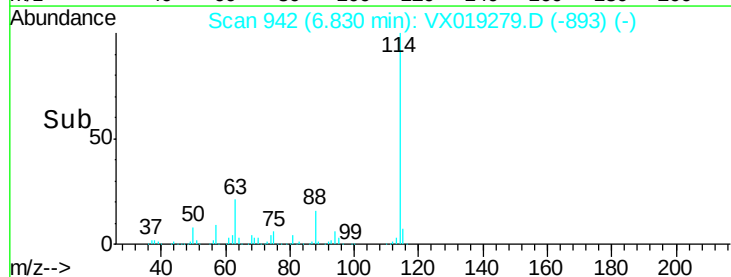
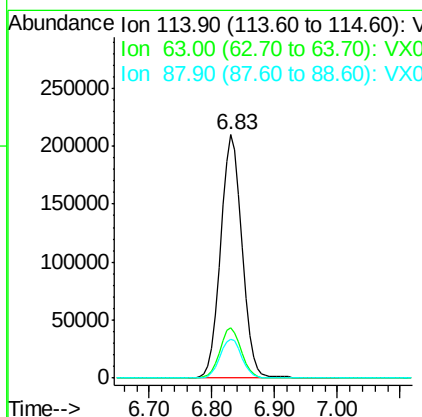
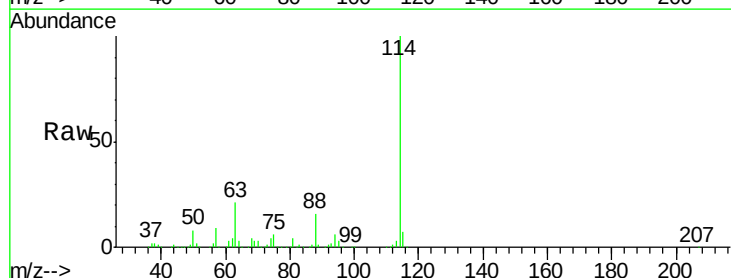
Instrument :
 MSVOA_X
 ClientSampleId :

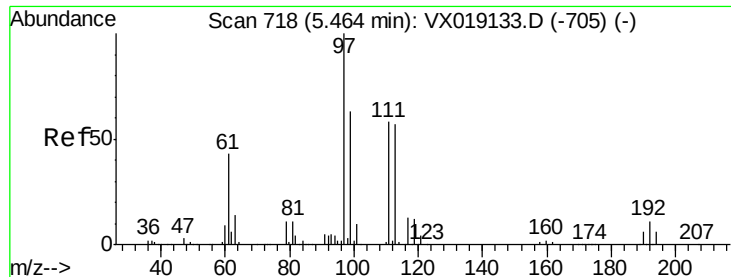
Tot Ion: 65 Resp: 193466
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019279.D
 Acq: 04 Nov 2020 19:19

Tgt Ion: 114 Resp: 496298
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 15.8 0.0 34.2

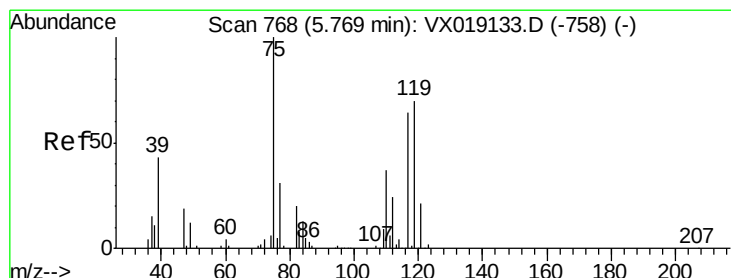
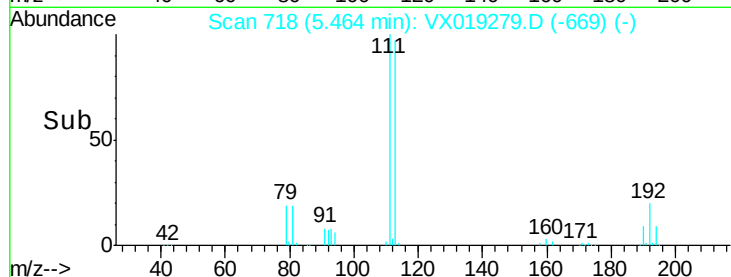
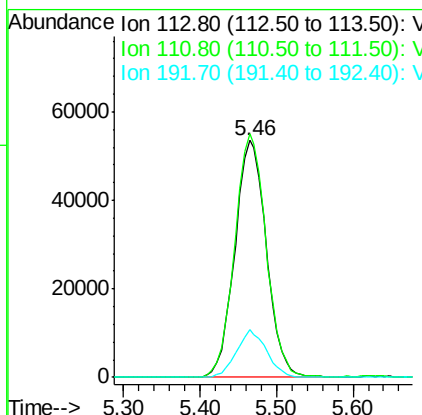
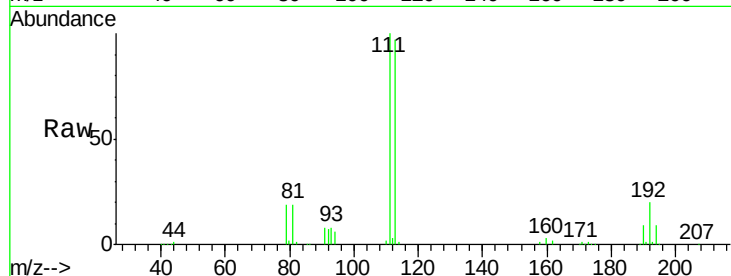




#35
 Dibromofluoromethane
 Concen: 49.118 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019279.D
 Acq: 04 Nov 2020 19:19

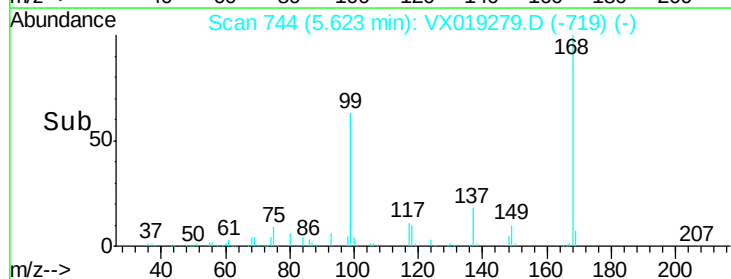
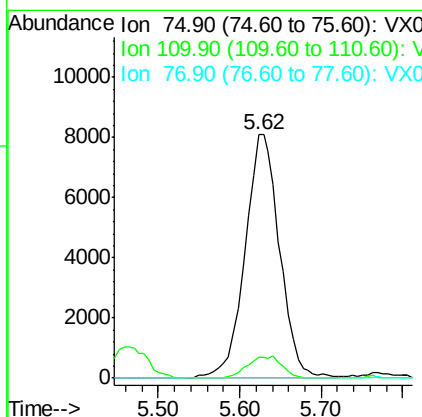
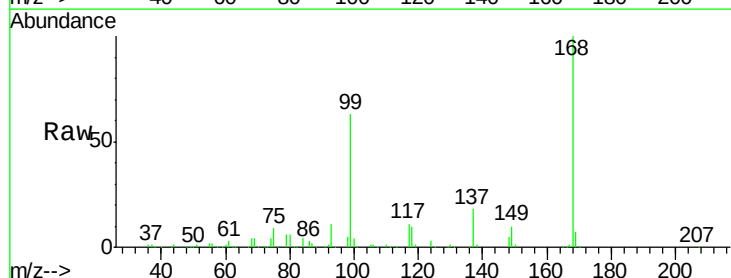
Instrument :
 MSVOA_X
 ClientSampleId :

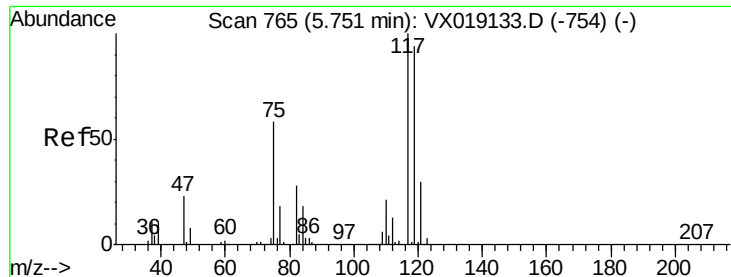
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	19.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.208 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX019279.D
 Acq: 04 Nov 2020 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

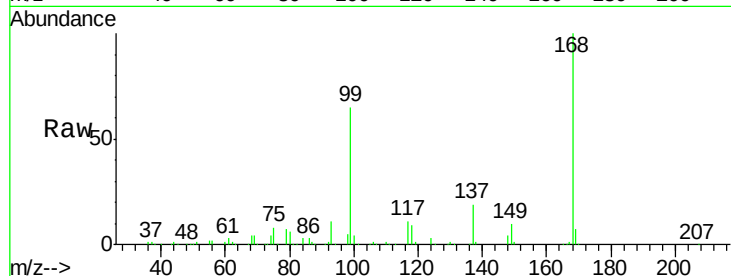
Tot Ion:117 Resp: 29278

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

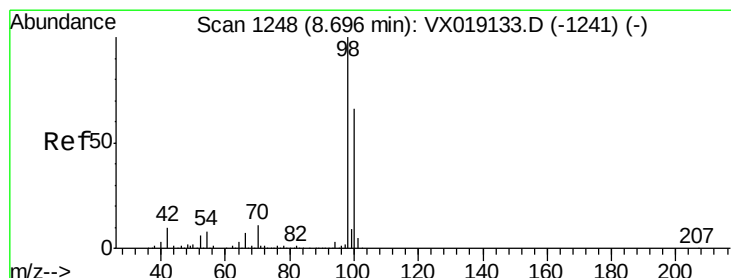
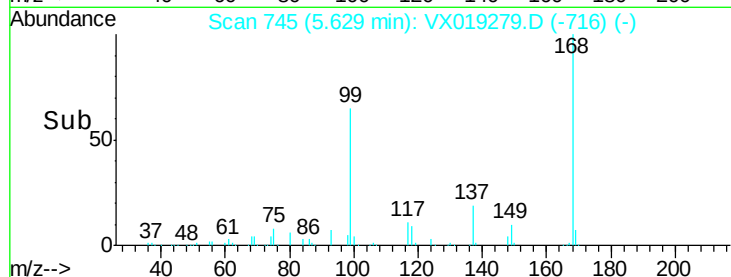
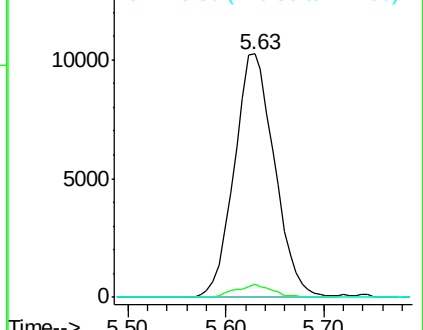
121 0.0 23.9 35.9#



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: 51.734 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019279.D

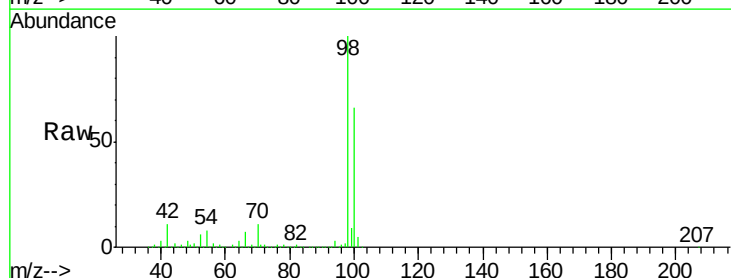
Acq: 04 Nov 2020 19:19

Tgt Ion: 98 Resp: 607956

Ion Ratio Lower Upper

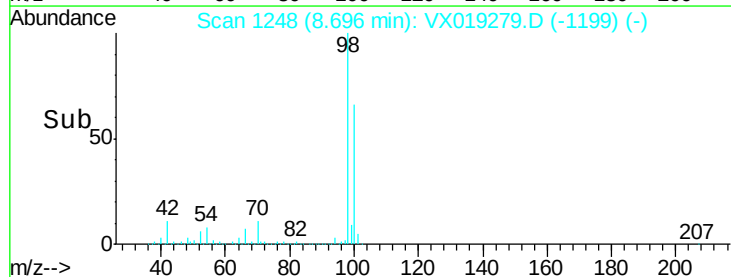
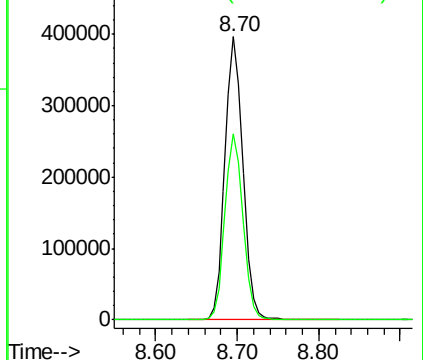
98 100

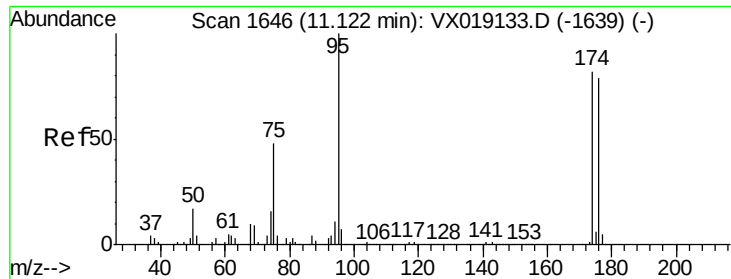
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

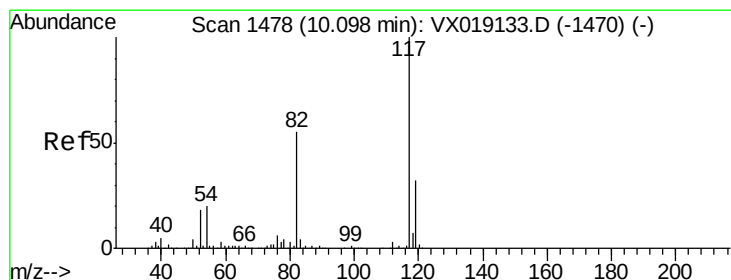
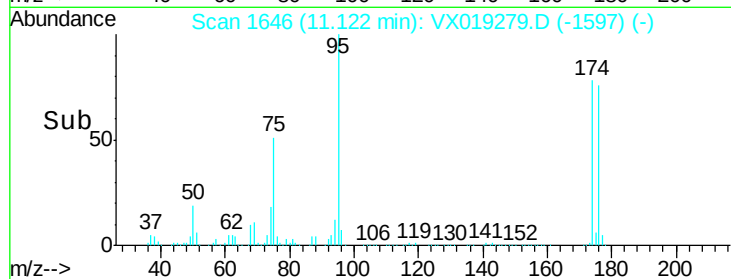
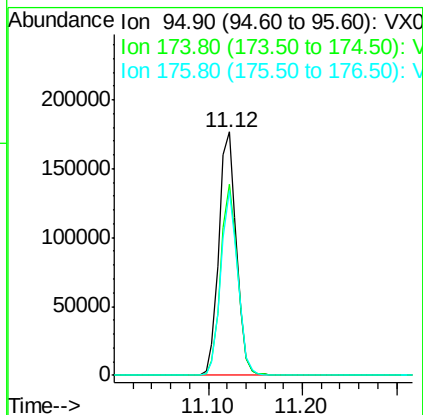
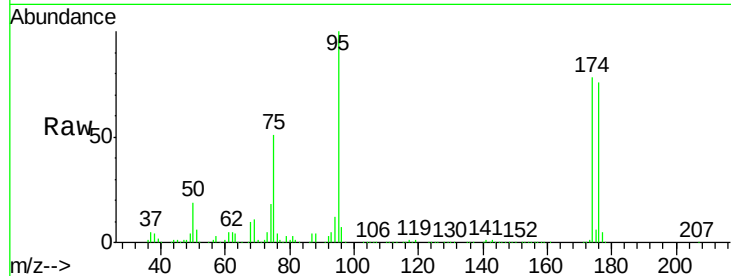




#62
4-Bromofluorobenzene
Concen: 51.262 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019279.D
Acq: 04 Nov 2020 19:19

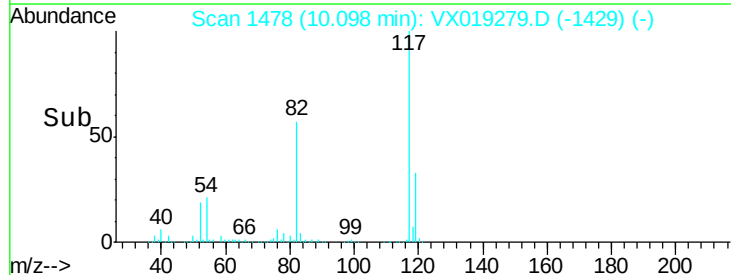
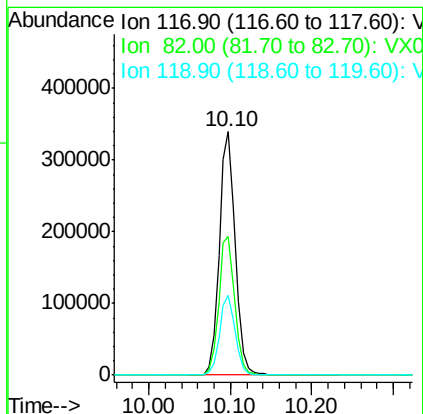
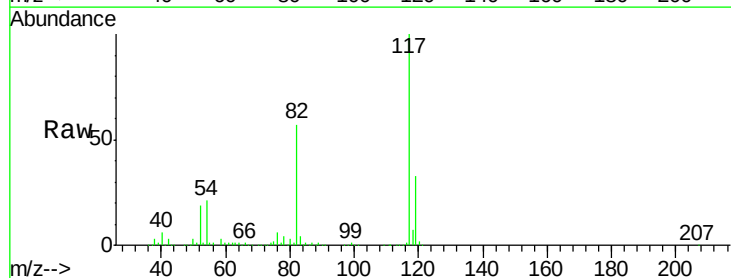
Instrument :
MSVOA_X
ClientSampleId :

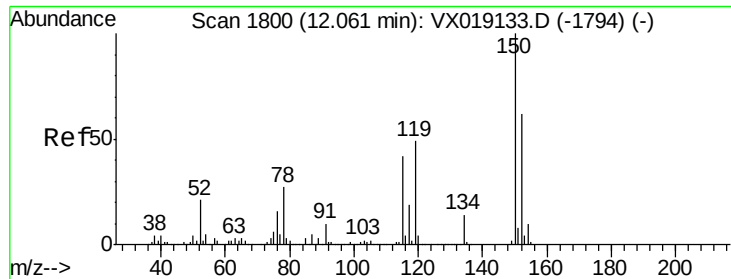
Tot Ion: 95 Resp: 228139
Ion Ratio Lower Upper
95 100
174 76.1 0.0 156.0
176 73.6 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019279.D
Acq: 04 Nov 2020 19:19

Tgt Ion: 117 Resp: 462286
Ion Ratio Lower Upper
117 100
82 57.1 43.6 65.4
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

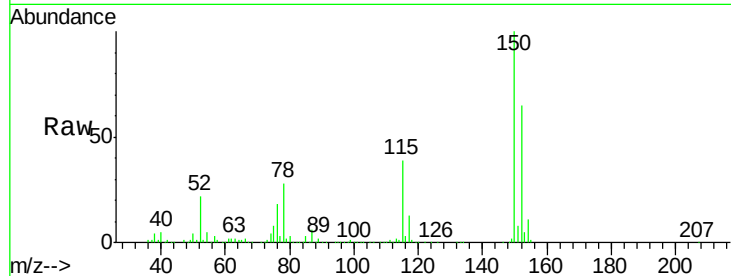
Tot Ion:152 Resp: 234857

Ion Ratio Lower Upper

152 100

115 61.2 41.9 125.7

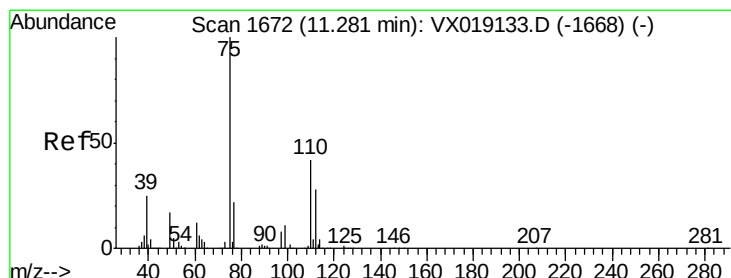
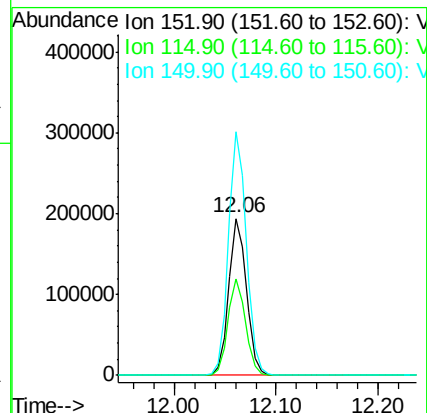
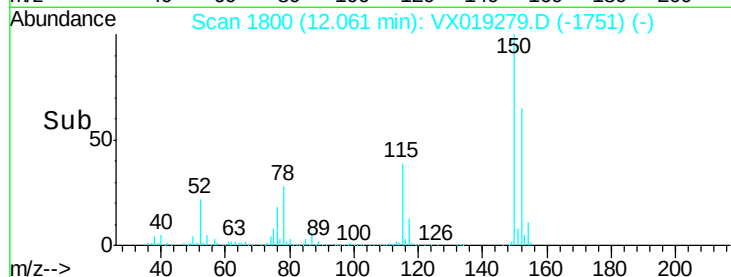
150 155.7 0.0 347.8



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: 24.361 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019279.D

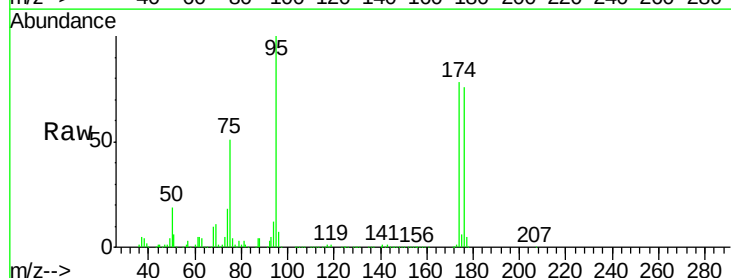
Acq: 04 Nov 2020 19:19

Tgt Ion: 75 Resp: 118134

Ion Ratio Lower Upper

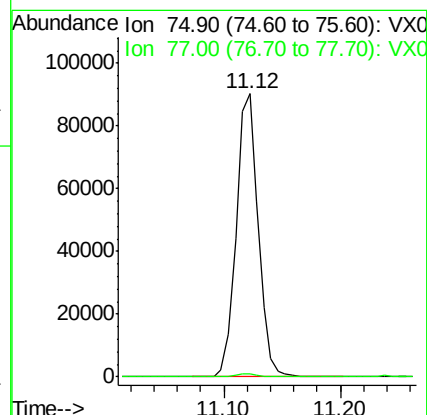
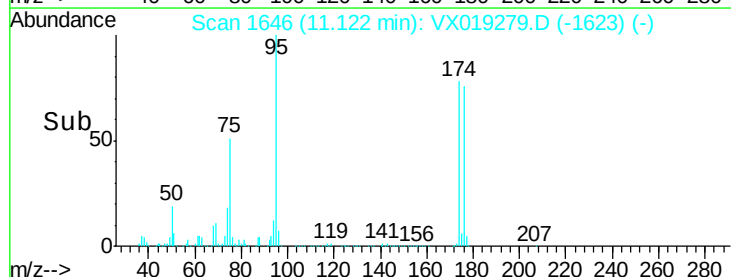
75 100

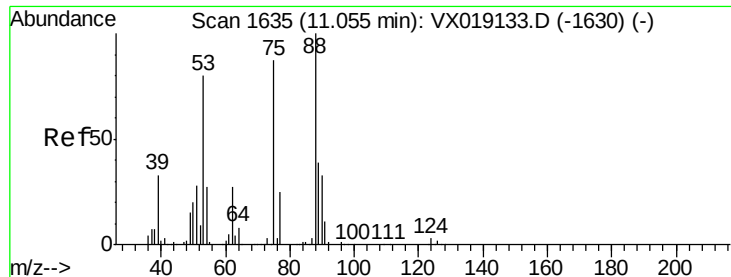
77 1.2 20.3 60.9#



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: 64.142 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

ClientSampled :

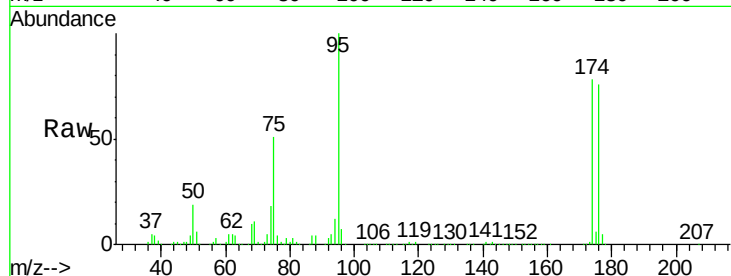
Tot Ion: 75 Resp: 118134

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

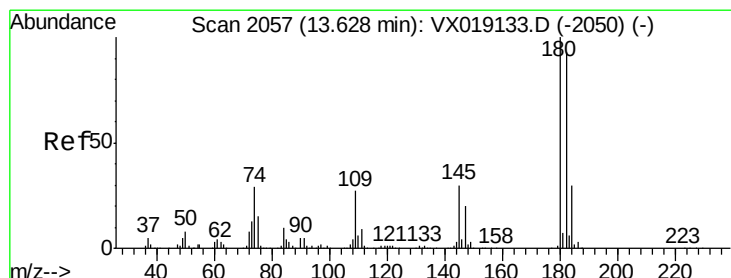
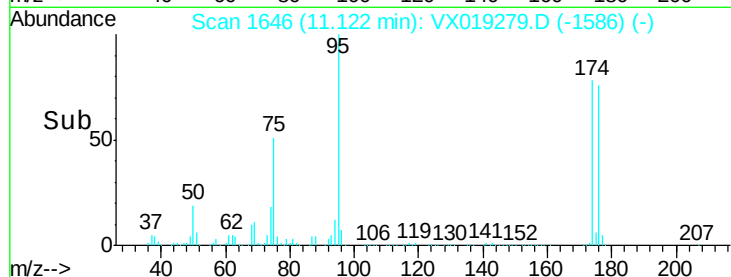
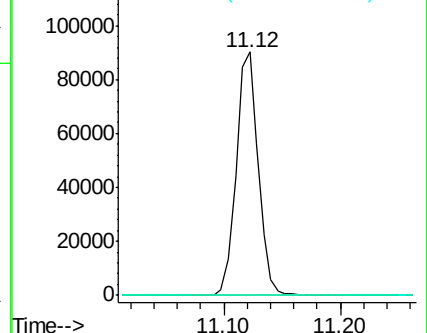
89 0.0 38.2 57.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.227 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

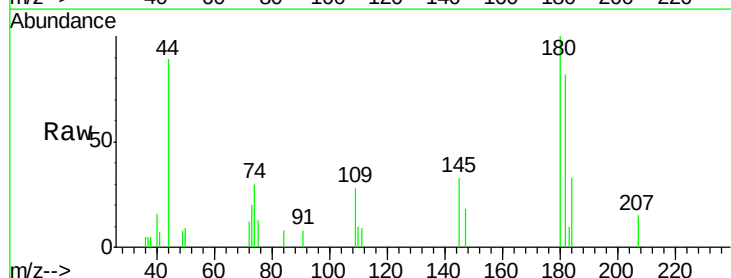
Tgt Ion: 180 Resp: 1260

Ion Ratio Lower Upper

180 100

182 83.3 46.8 140.3

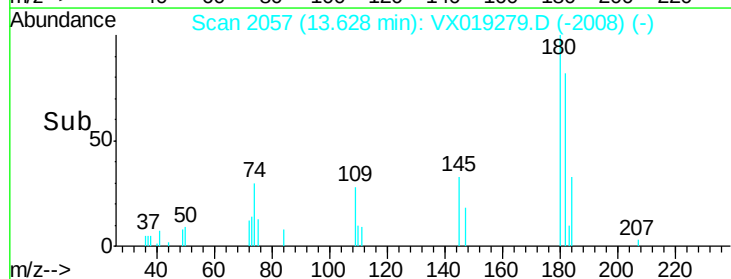
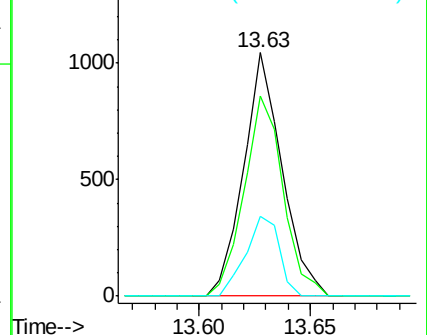
145 28.7 15.5 46.5

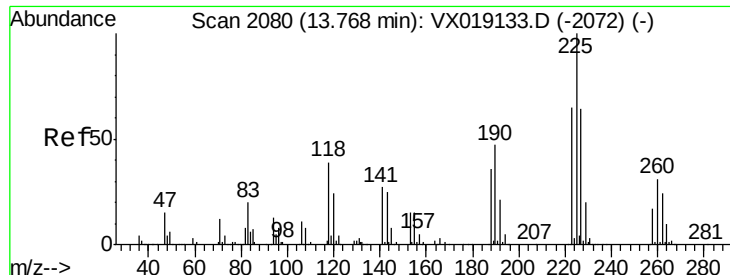


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.221 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX019279.D

Acq: 04 Nov 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

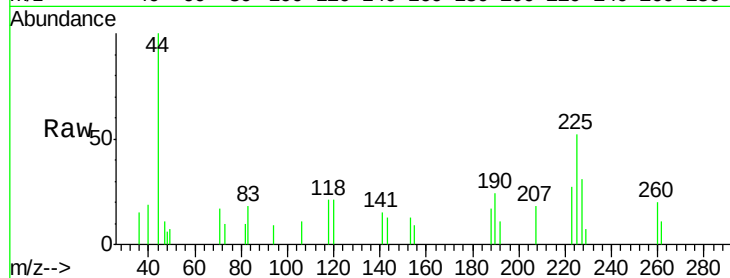
Tot Ion:225 Resp: 538

Ion Ratio Lower Upper

225 100

223 58.4 32.4 97.2

227 76.0 31.6 94.7



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

