

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019721.D
 Acq On : 04 Dec 2020 16:58
 Operator : JC/MD
 Sample : VX1204WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

Quant Time: Dec 05 03:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	375353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	602567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	528508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	221332	44.87	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.74%
35) Dibromofluoromethane	5.46	113	181063	46.49	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.98%
50) Toluene-d8	8.70	98	713598	48.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.00%
62) 4-Bromofluorobenzene	11.12	95	245182	43.33	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.66%

Target Compounds

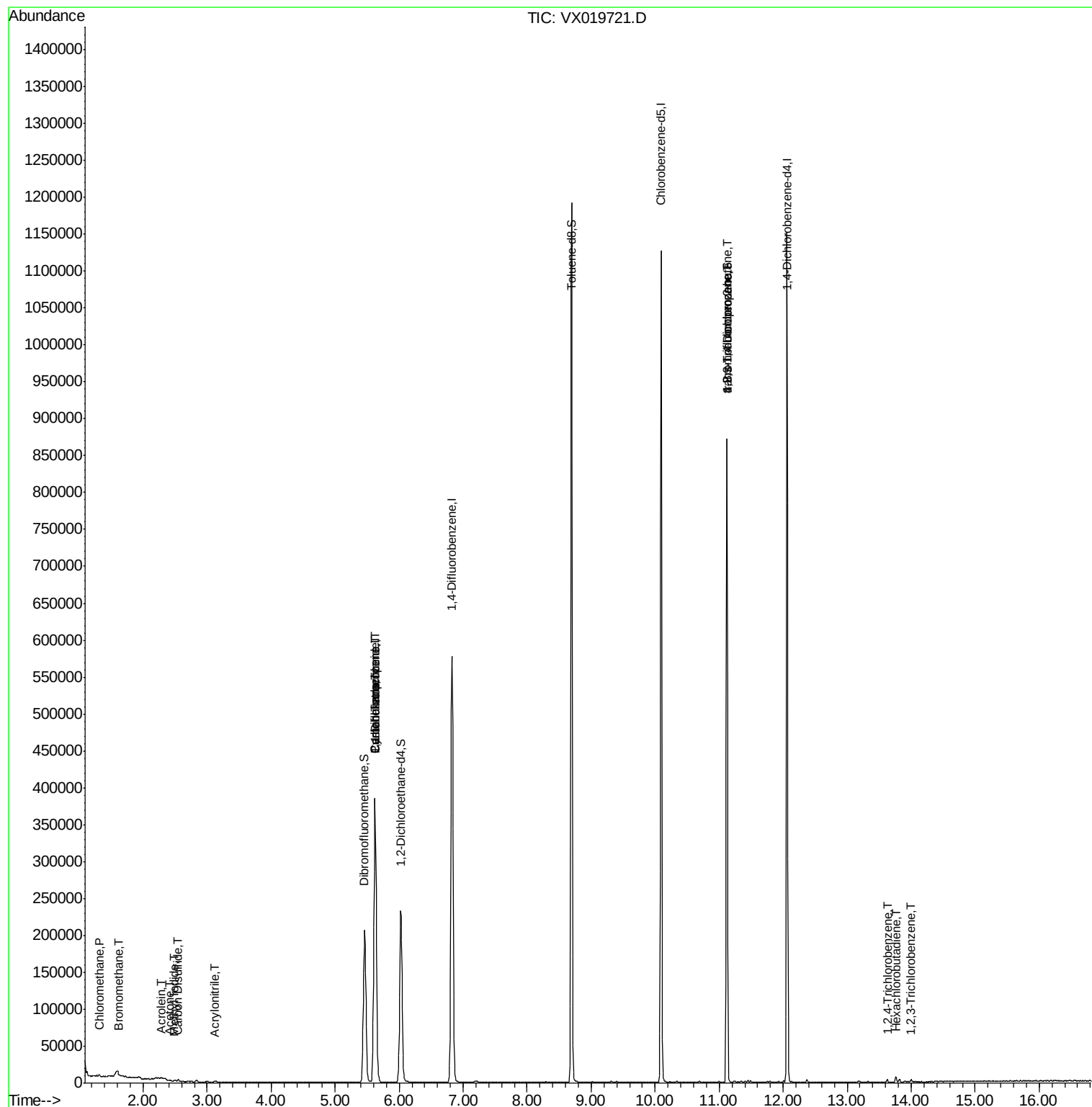
					Qvalue	
3) Chloromethane	1.31	50	1062	0.263	ug/l	# 85
5) Bromomethane	1.63	94	1242	0.878	ug/l	90
10) Methyl Iodide	2.50	142	2153	0.429	ug/l	96
11) Tert butyl alcohol	2.99	59	572	Below Cal	#	73
13) Acrolein	2.28	56	443	0.814	ug/l	# 74
15) Acrylonitrile	3.12	53	858	0.385	ug/l	95
16) Acetone	2.42	43	1073	0.579	ug/l	91
17) Carbon Disulfide	2.55	76	2915	0.295	ug/l	# 93
20) Methylene Chloride	2.83	84	1143	Below Cal		88
31) Cyclohexane	5.63	56	7425	1.210	ug/l	# 1
36) 1,1-Dichloropropene	5.62	75	27447	5.041	ug/l	# 48
38) Carbon Tetrachloride	5.63	117	35969	6.746	ug/l	# 16
76) 1,2,3-Trichloropropane	11.12	75	119962	23.474	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.12	75	119962	67.859	ug/l	# 12
93) 1,2,4-Trichlorobenzene	13.63	180	1089	0.235	ug/l	93
94) Hexachlorobutadiene	13.76	225	1232	0.594	ug/l	96
96) 1,2,3-Trichlorobenzene	14.00	180	1013	0.223	ug/l	90

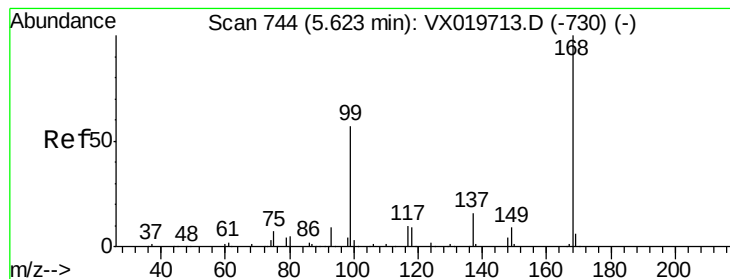
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

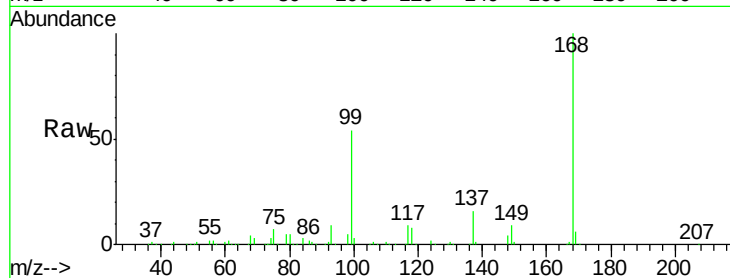
VX1204WBL01

Tot Ion:168 Resp: 375353

Ion Ratio Lower Upper

168 100

99 53.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

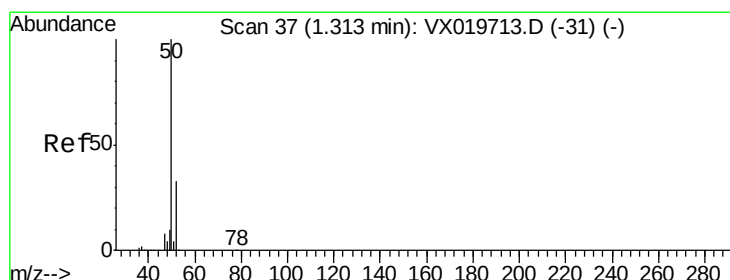
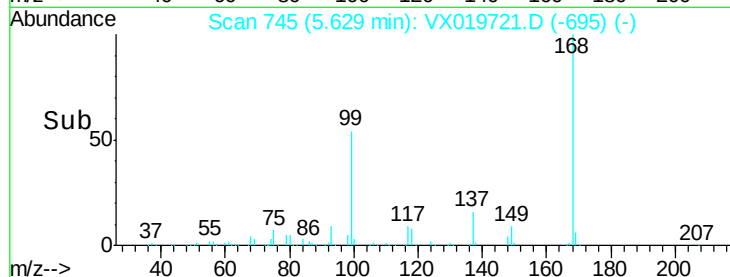
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.263 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019721.D

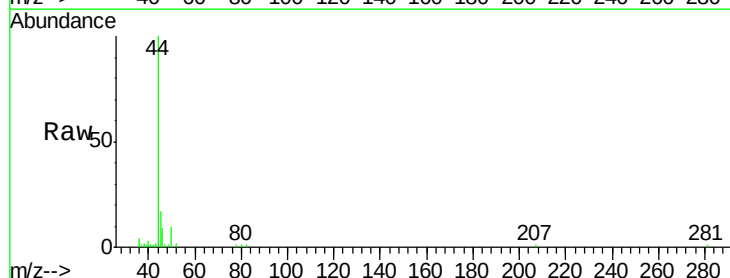
Acq: 04 Dec 2020 16:58

Tgt Ion: 50 Resp: 1062

Ion Ratio Lower Upper

50 100

52 24.7 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

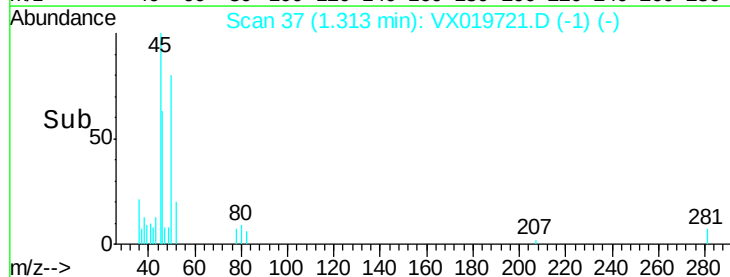
600

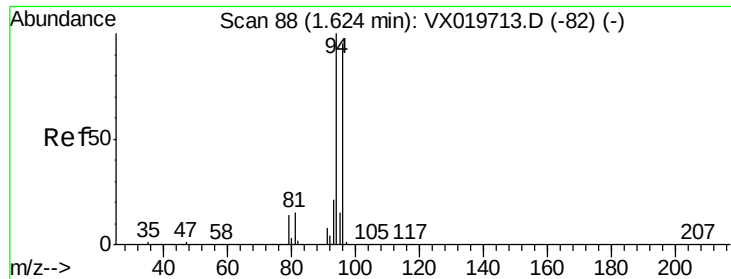
400

200

0

Time-->





#5

Bromomethane

Concen: 0.878 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

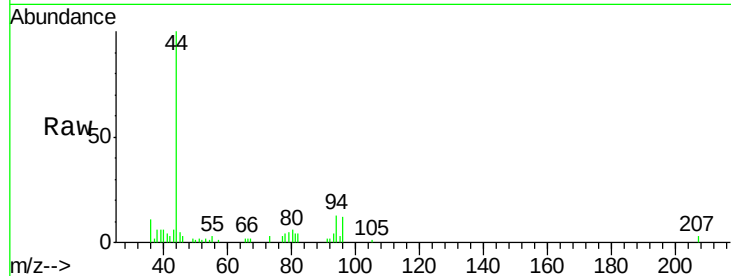
VX1204WBL01

Tot Ion: 94 Resp: 1242

Ion Ratio Lower Upper

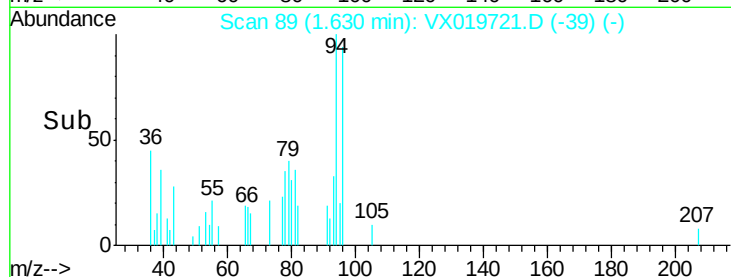
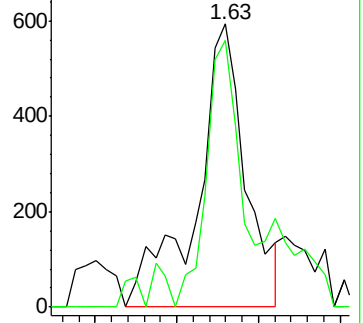
94 100

96 85.3 76.4 114.6

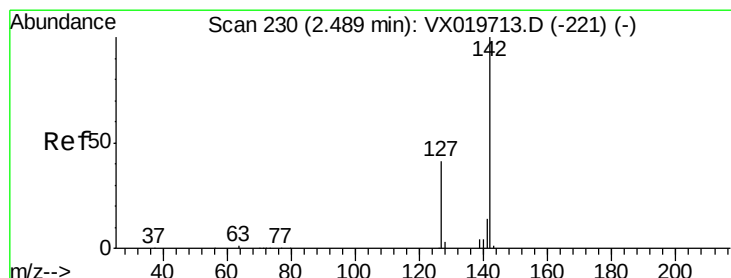


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.429 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

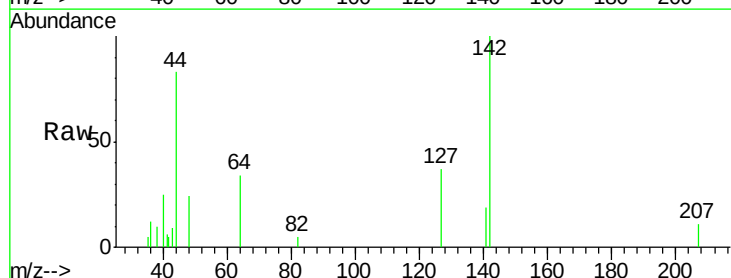
Tgt Ion: 142 Resp: 2153

Ion Ratio Lower Upper

142 100

127 39.2 33.3 49.9

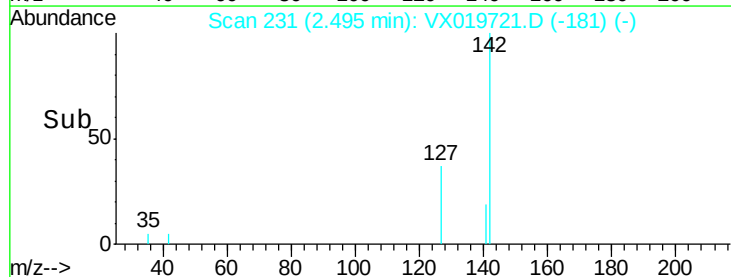
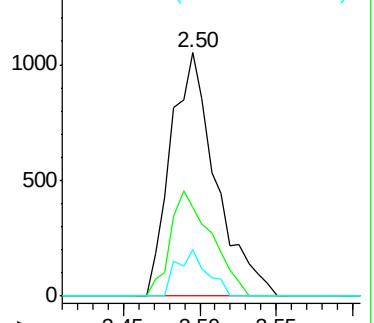
141 12.7 11.4 17.0



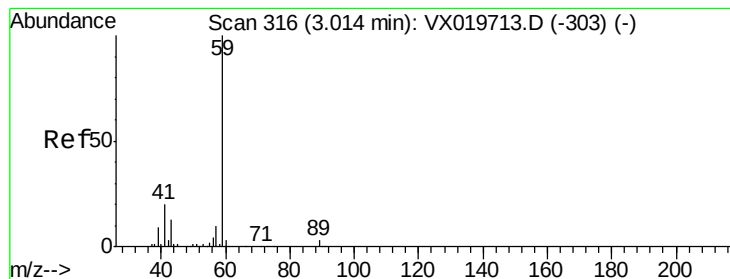
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

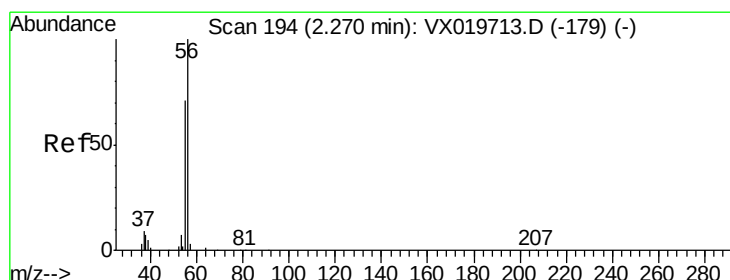
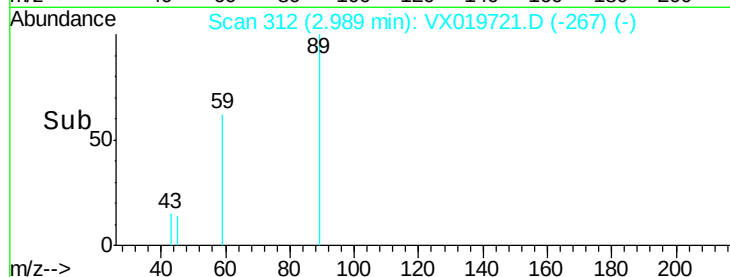
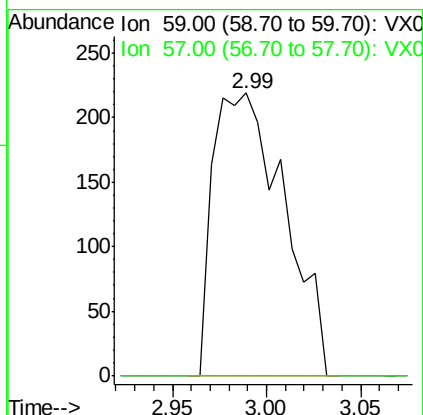
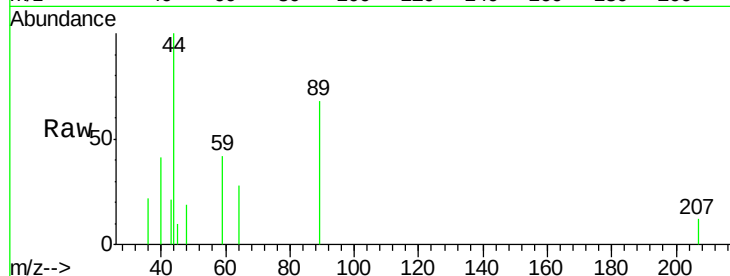


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

Instrument :
MSVOA_X
ClientSampleId :
VX1204WBL01

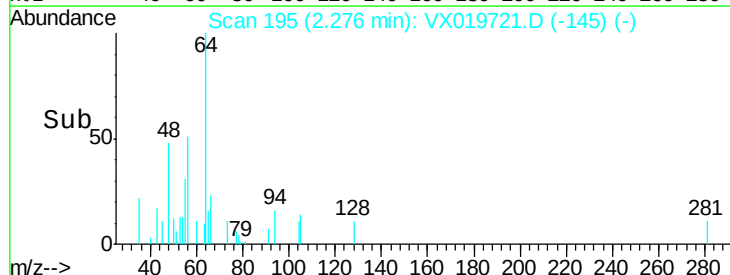
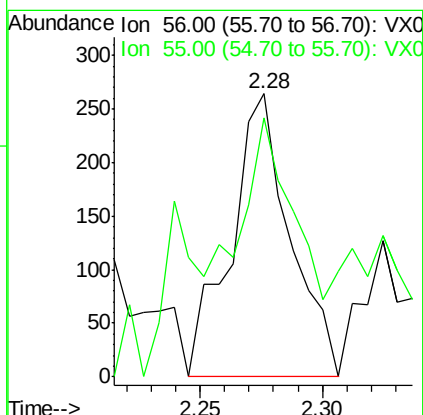
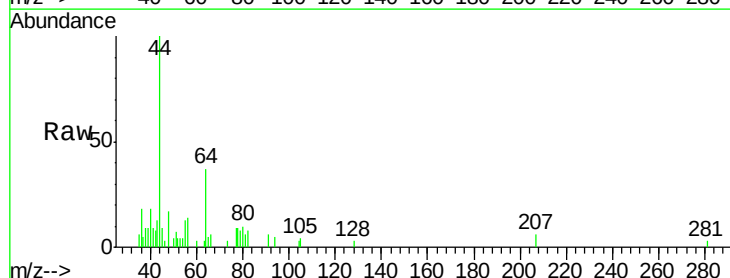
Tot Ion: 59 Resp: 572
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

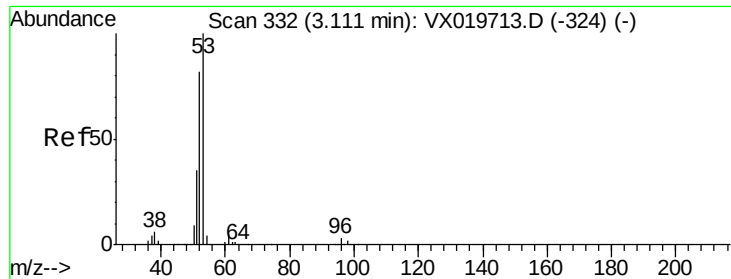


#13

Acrolein
Concen: 0.814 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

Tgt Ion: 56 Resp: 443
Ion Ratio Lower Upper
56 100
55 49.0 56.4 84.6#





#15

Acrylonitrile

Concen: 0.385 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

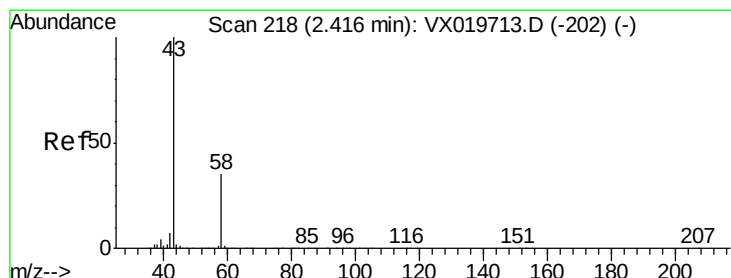
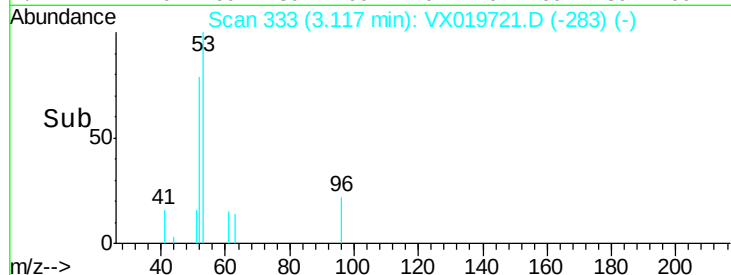
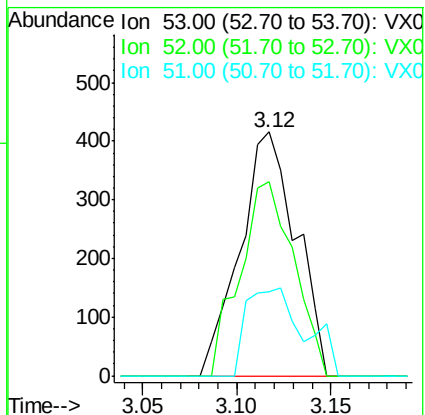
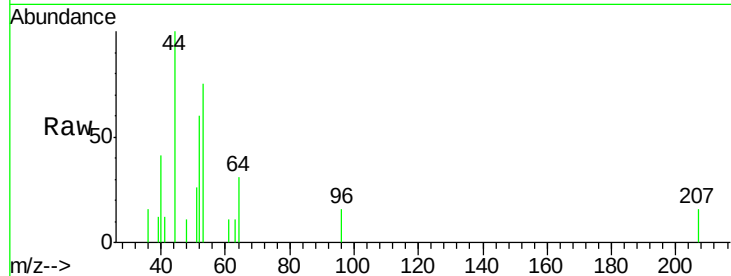
Tot Ion: 53 Resp: 858

Ion Ratio Lower Upper

53 100

52 76.2 65.3 97.9

51 36.9 28.2 42.2



#16

Acetone

Concen: 0.579 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019721.D

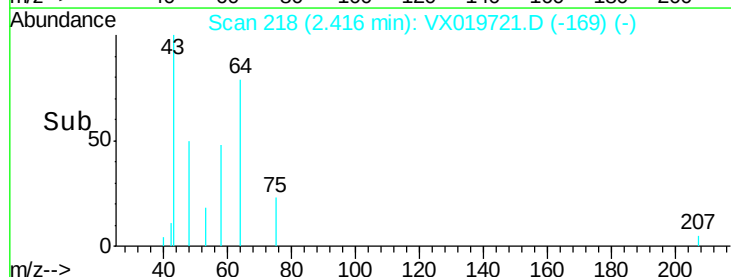
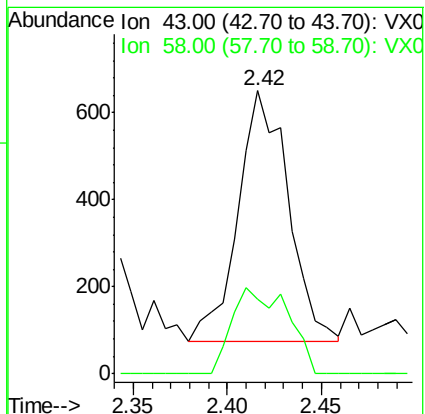
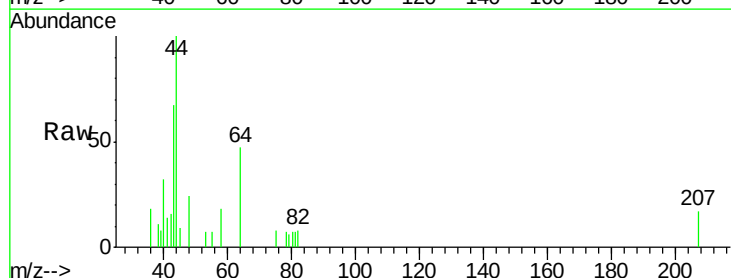
Acq: 04 Dec 2020 16:58

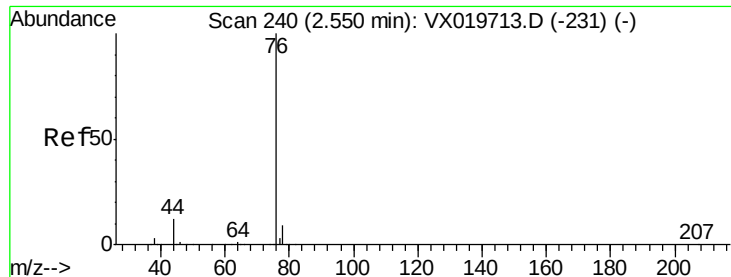
Tgt Ion: 43 Resp: 1073

Ion Ratio Lower Upper

43 100

58 29.6 27.8 41.8





#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

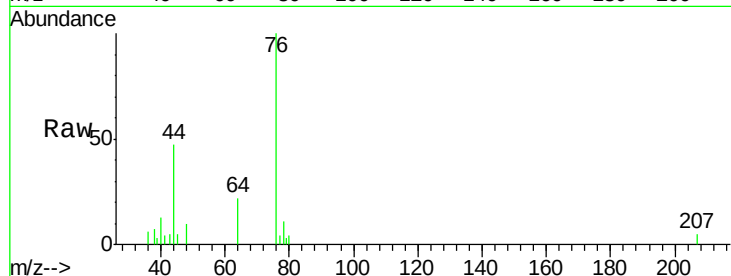
VX1204WBL01

Tot Ion: 76 Resp: 2915

Ion Ratio Lower Upper

76 100

78 11.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

2000

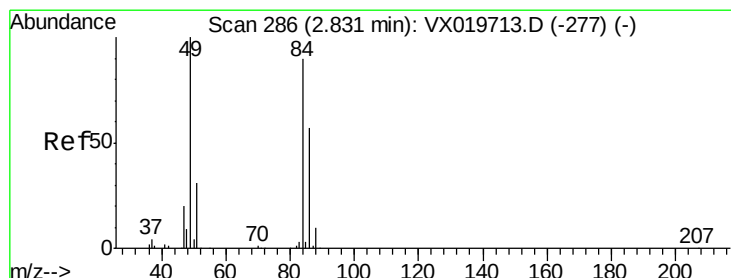
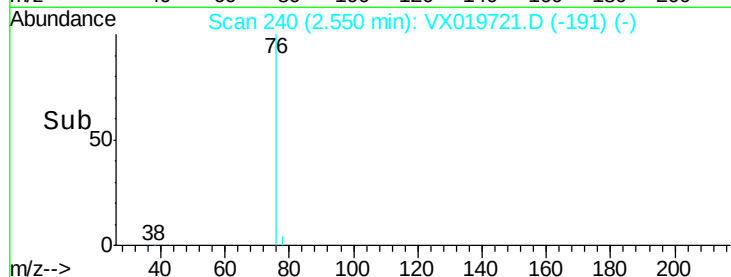
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Tgt Ion: 84 Resp: 1143

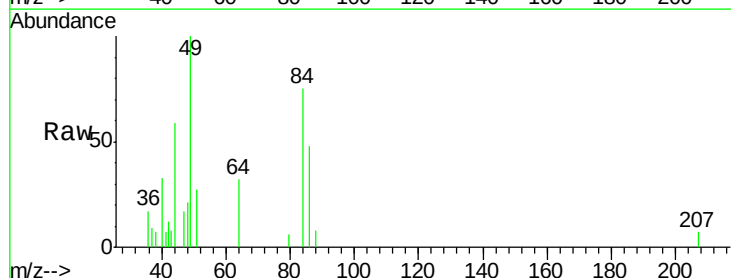
Ion Ratio Lower Upper

84 100

49 132.8 88.6 132.8

51 35.5 27.0 40.6

86 64.0 50.3 75.5



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

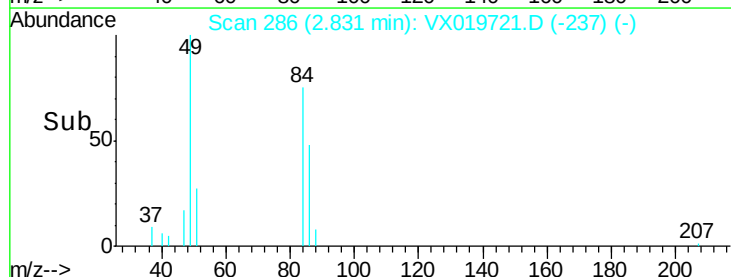
Ion 85.90 (85.60 to 86.60): VX0

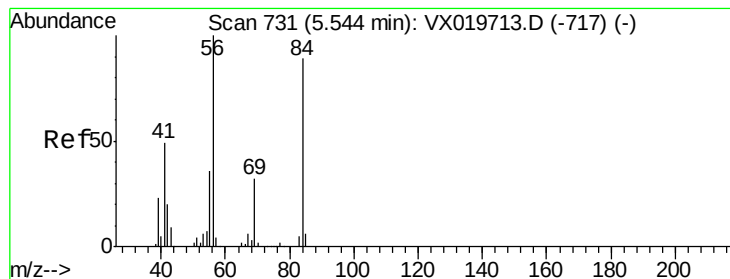
1000

500

0

Time-->





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

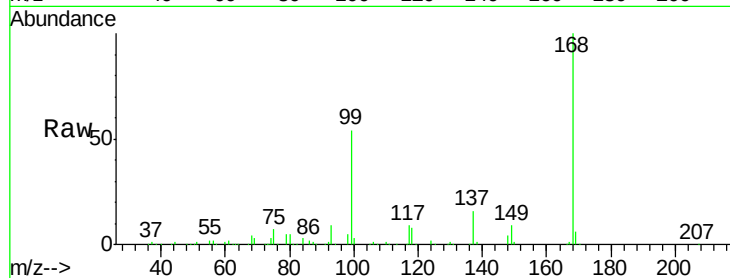
Tot Ion: 56 Resp: 7425

Ion Ratio Lower Upper

56 100

69 183.9 25.3 37.9#

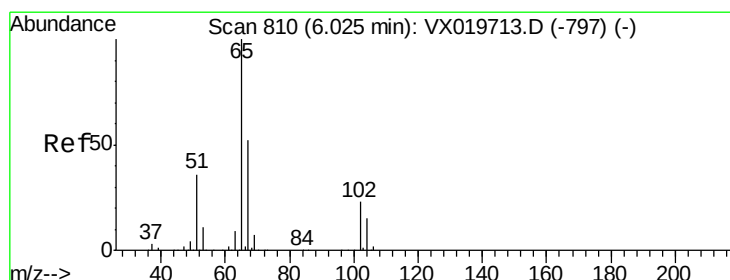
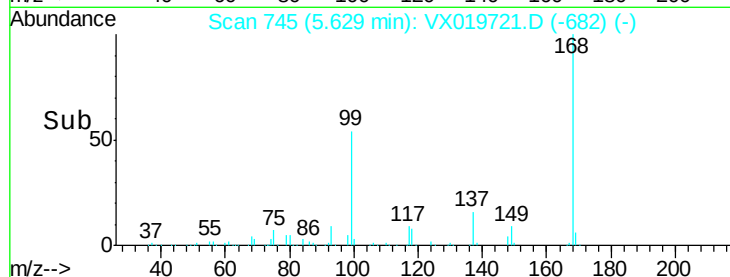
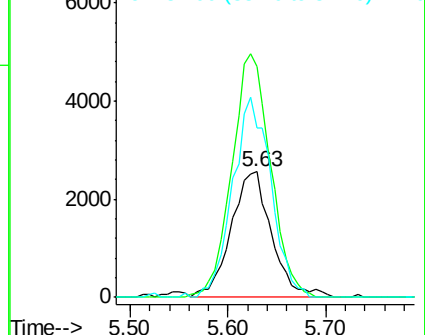
84 134.5 71.4 107.0#



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: 44.865 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019721.D

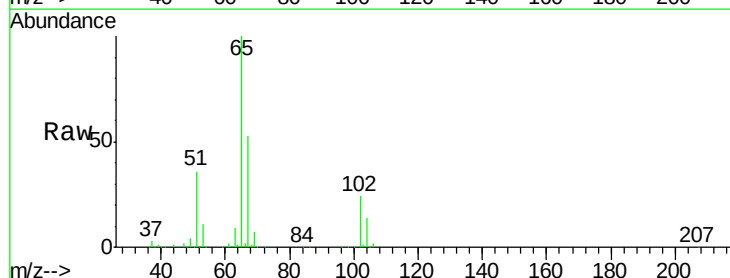
Acq: 04 Dec 2020 16:58

Tgt Ion: 65 Resp: 221332

Ion Ratio Lower Upper

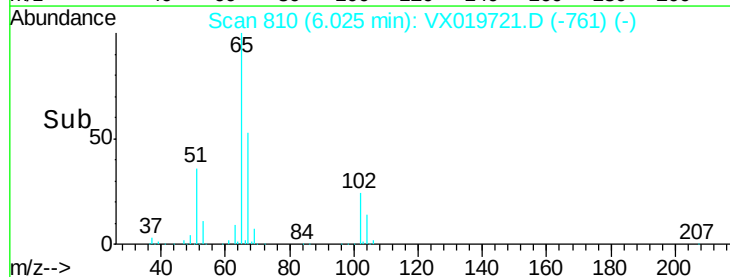
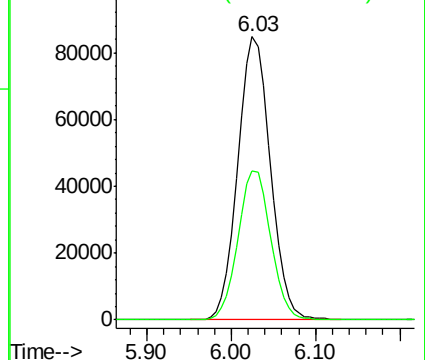
65 100

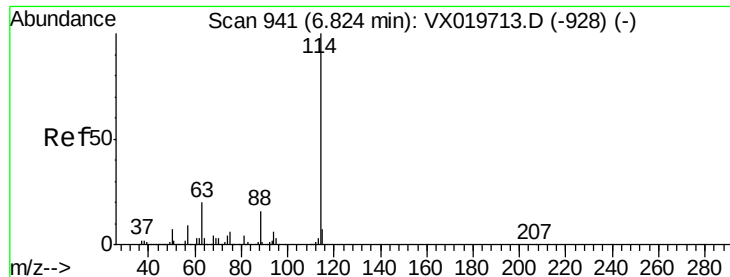
67 53.1 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

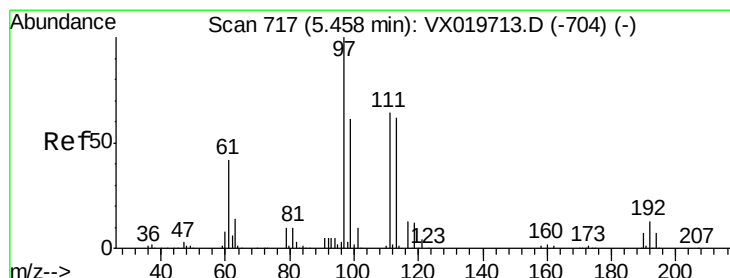
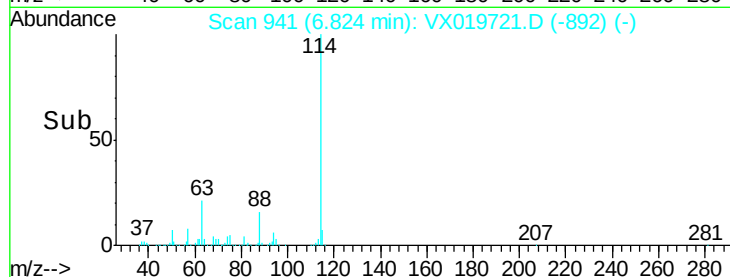
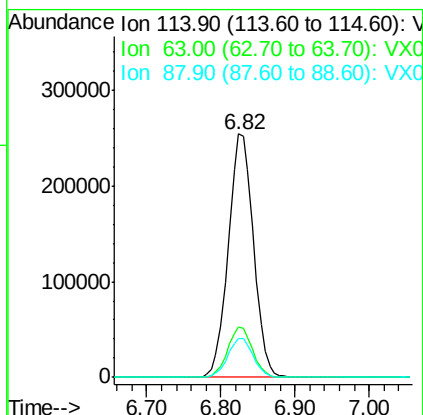
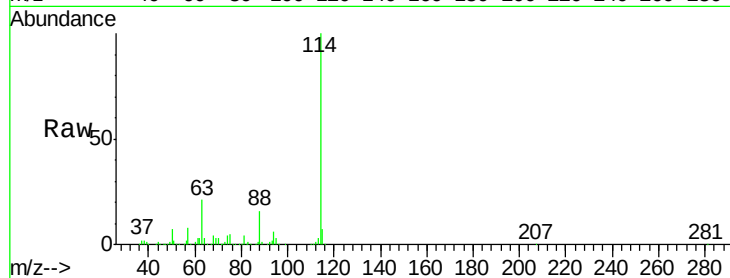




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.82 min Scan# 941
Delta R.T. -0.00 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

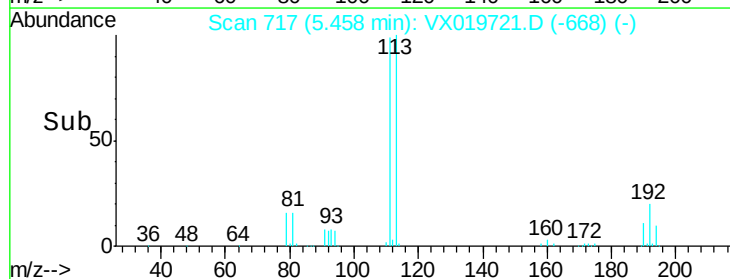
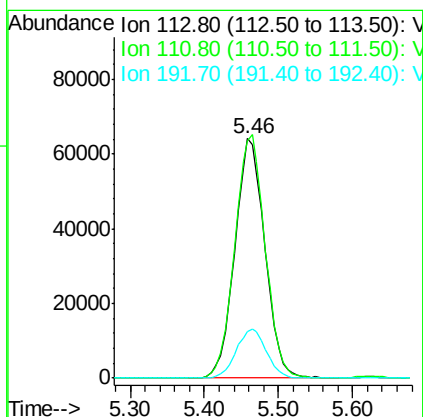
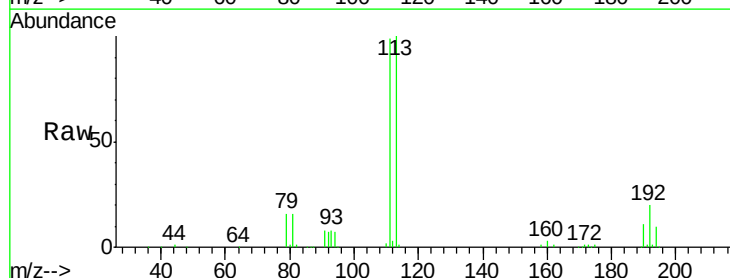
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBL01

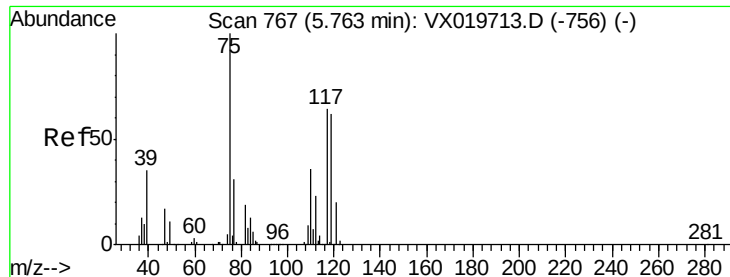
Tot Ion:114 Resp: 602567
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.494 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

Tgt Ion:113 Resp: 181063
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 20.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.041 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

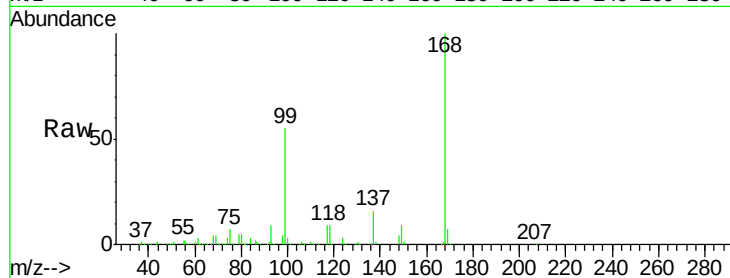
Tot Ion: 75 Resp: 27447

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

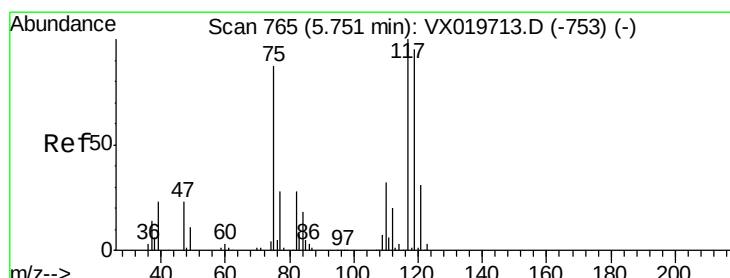
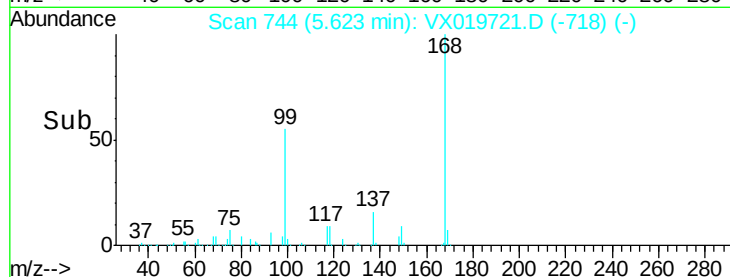
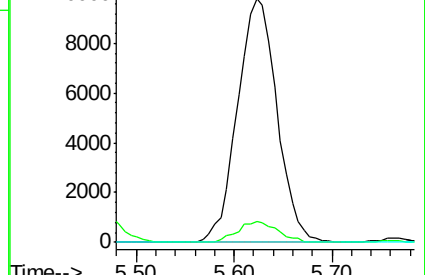
77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.746 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019721.D

Acq: 04 Dec 2020 16:58

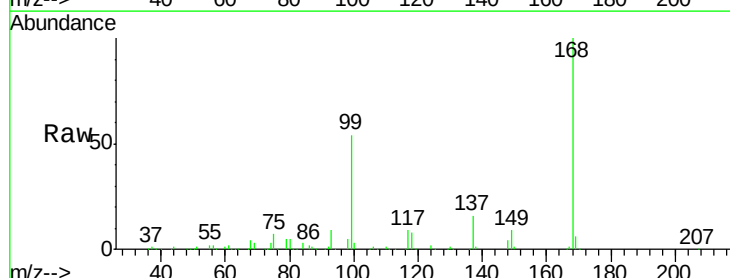
Tgt Ion: 117 Resp: 35969

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

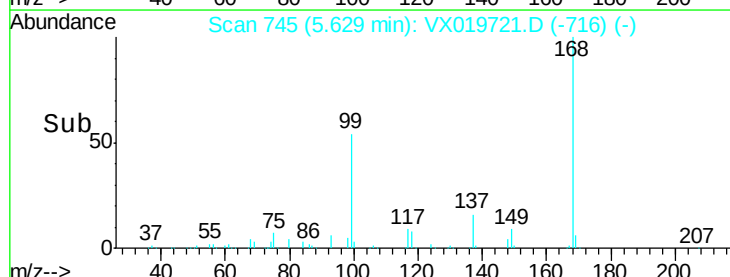
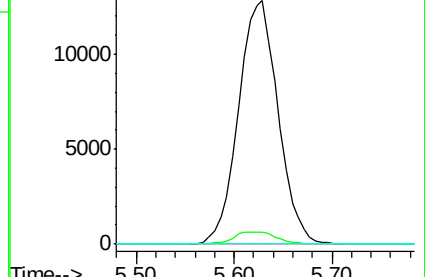
121 0.0 24.8 37.2#

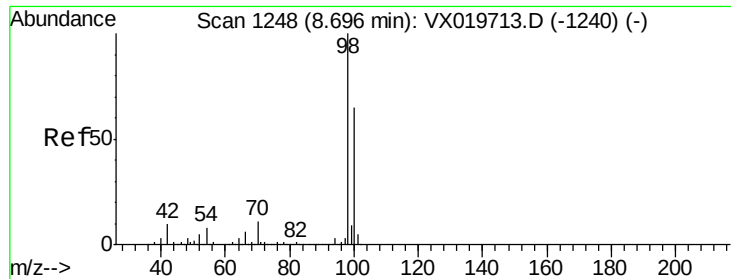


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

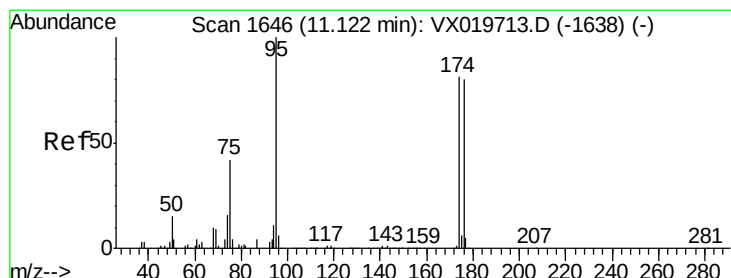
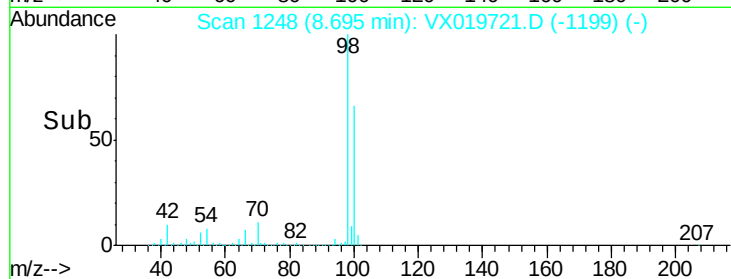
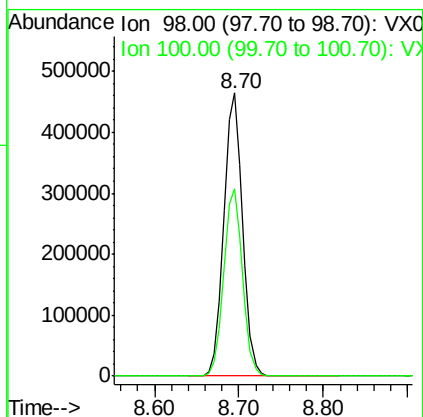
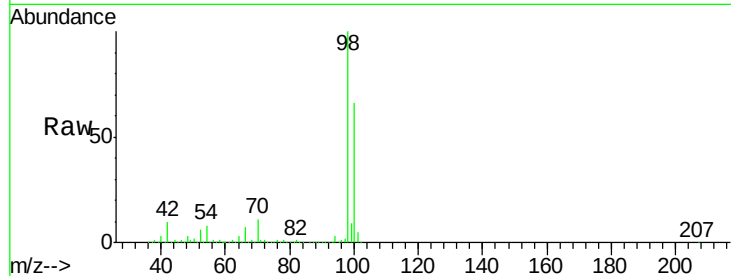




#50
Toluene-d8
Concen: 47.997 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

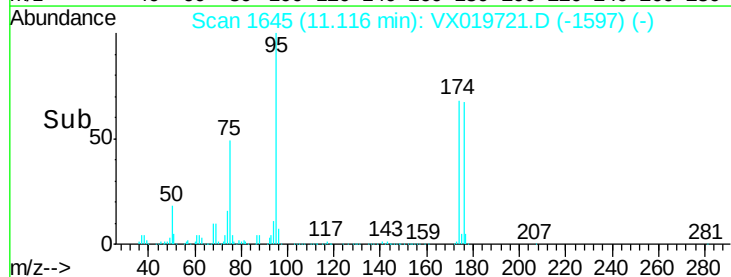
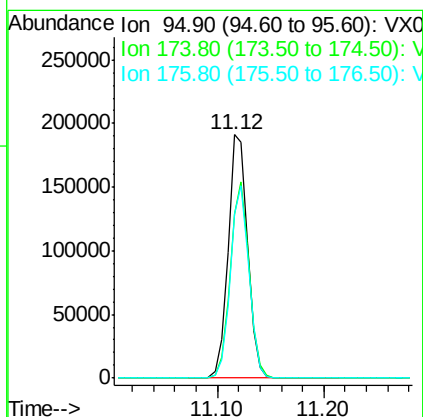
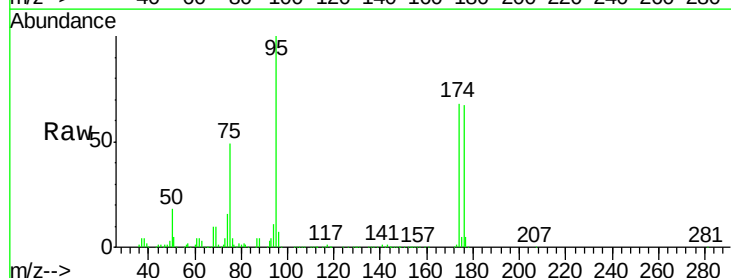
Instrument :
MSVOA_X
ClientSampled :
VX1204WBL01

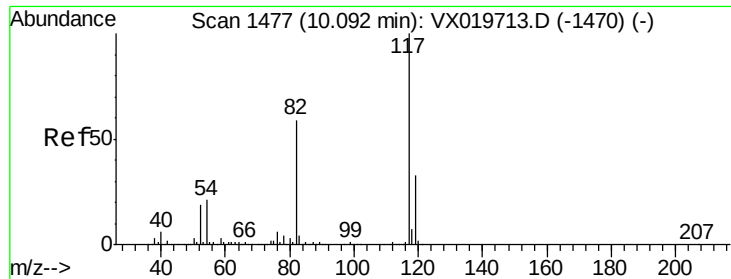
Tot Ion: 98 Resp: 713598
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.328 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. -0.01 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

Tgt Ion: 95 Resp: 245182
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 75.6 0.0 155.8

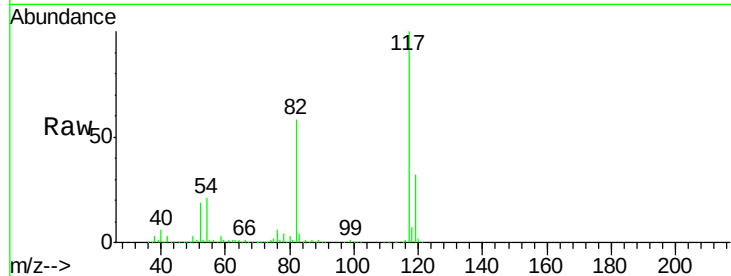




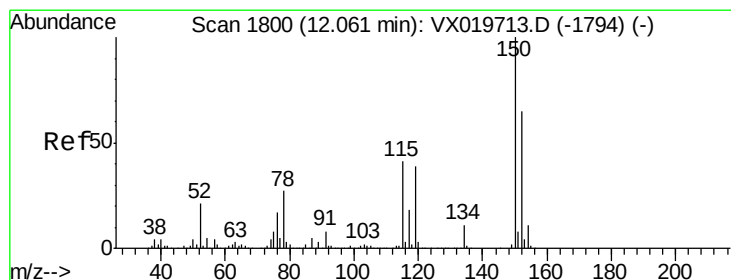
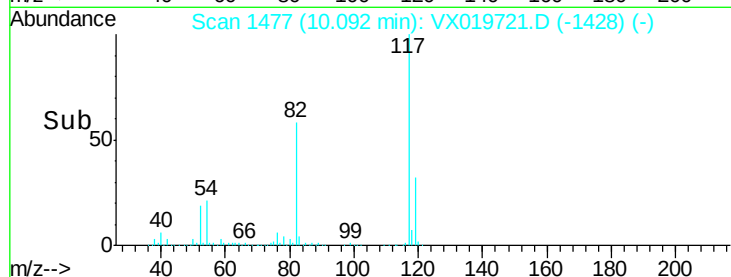
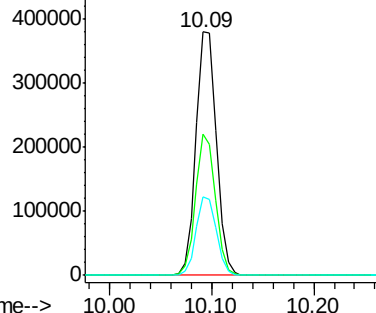
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

Instrument :
MSVOA_X
ClientSampleId :
VX1204WBL01

Tot Ion:117 Resp: 528508
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.1 26.6 39.8

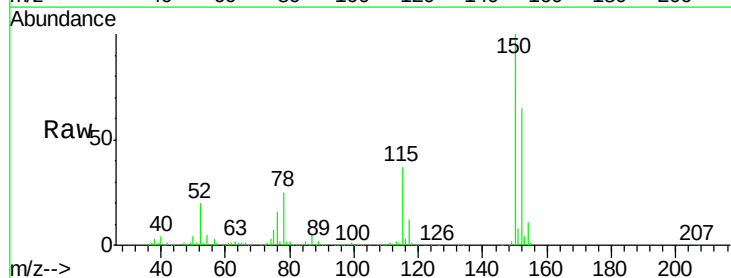


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

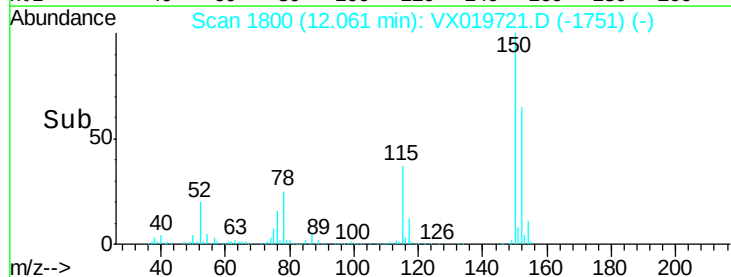
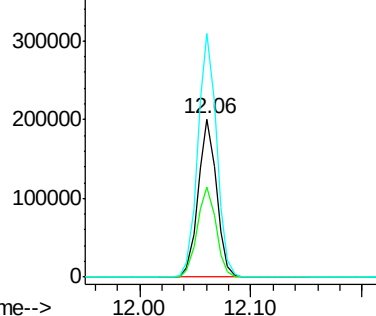


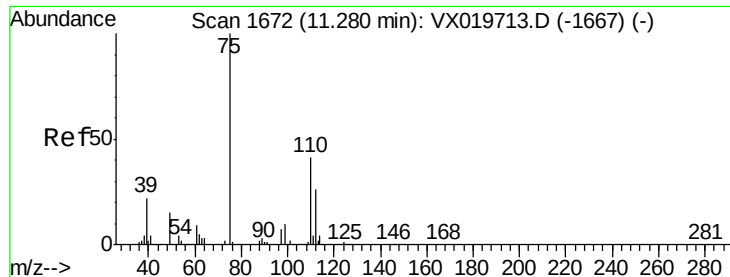
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019721.D
Acq: 04 Dec 2020 16:58

Tgt Ion:152 Resp: 227858
Ion Ratio Lower Upper
152 100
115 58.5 41.1 123.3
150 157.1 0.0 349.0



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

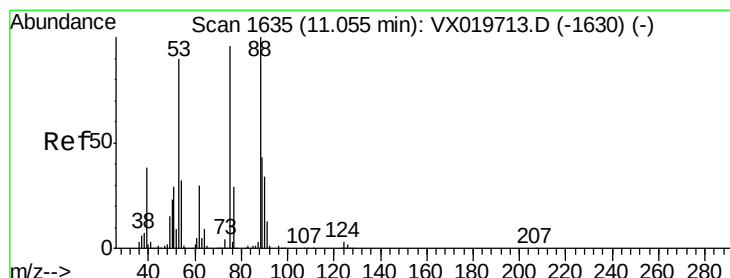
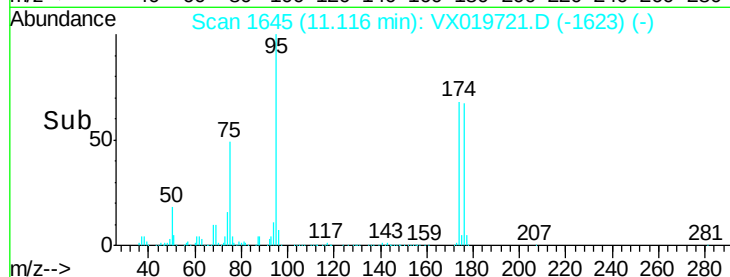
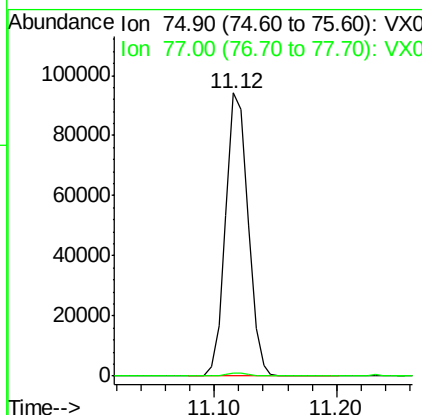
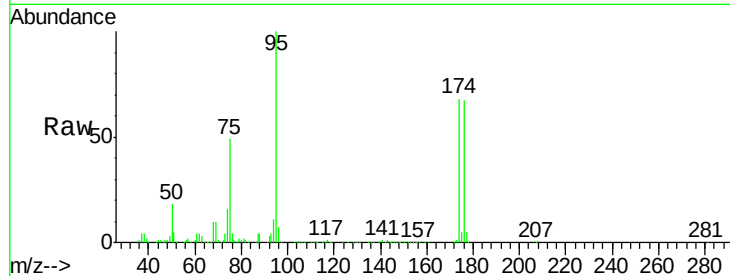




#76
 1,2,3-Trichloropropane
 Concen: 23.474 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. -0.16 min
 Lab File: VX019721.D
 Acq: 04 Dec 2020 16:58

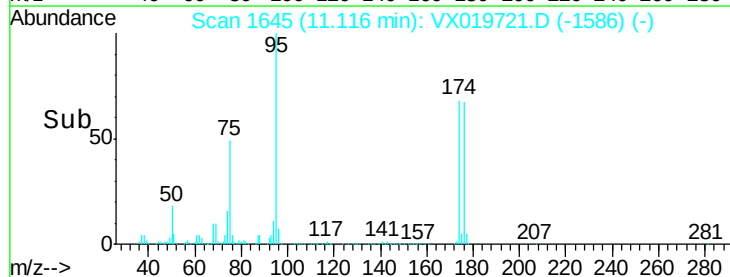
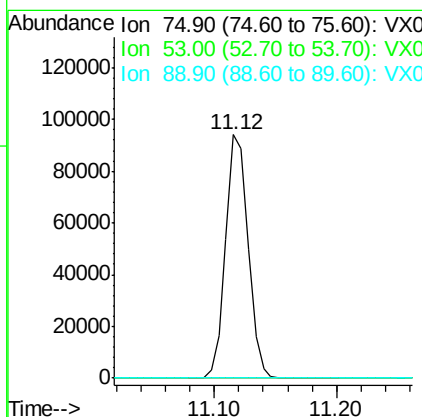
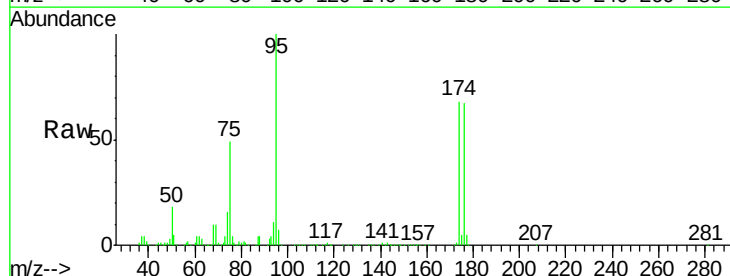
Instrument :
 MSVOA_X
 ClientSampled :
 VX1204WBL01

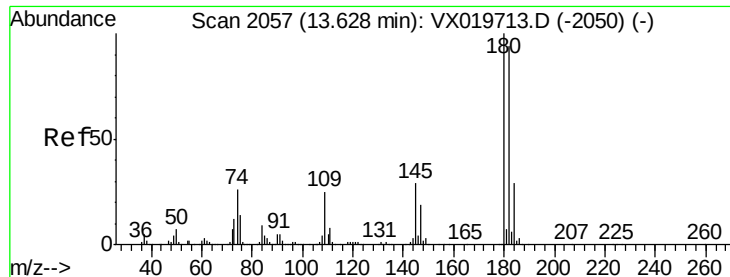
Tot Ion: 75 Resp: 119962
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.859 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX019721.D
 Acq: 04 Dec 2020 16:58

Tgt Ion: 75 Resp: 119962
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

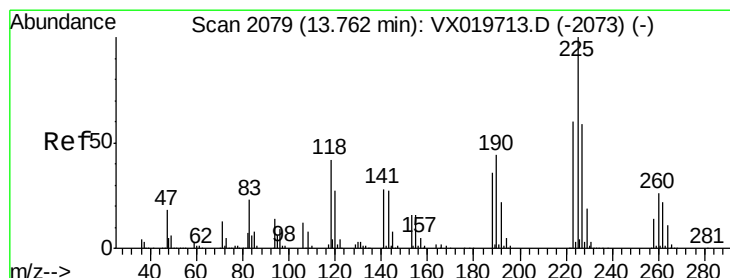
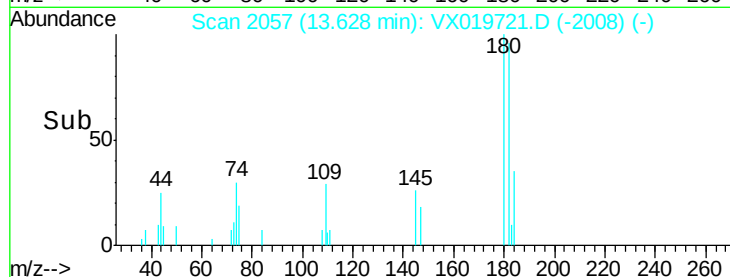
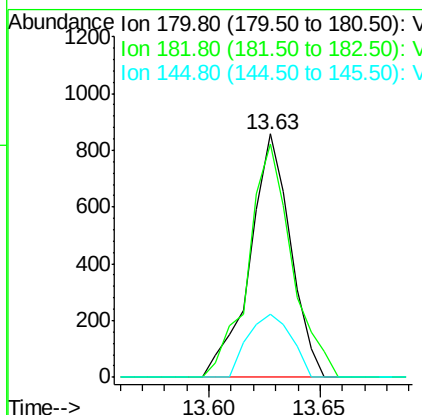
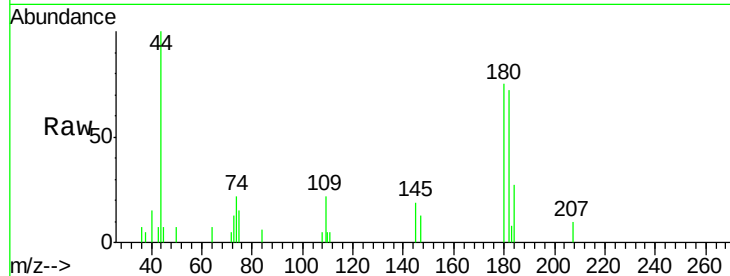




#93
 1,2,4-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019721.D
 Acq: 04 Dec 2020 16:58

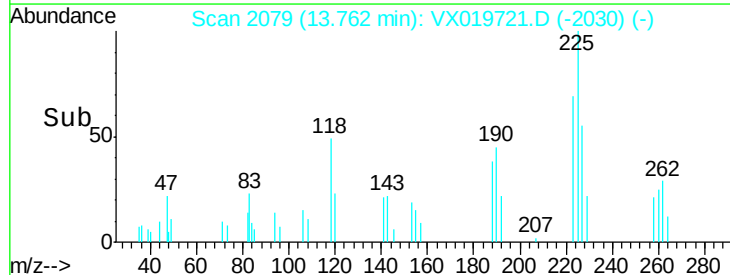
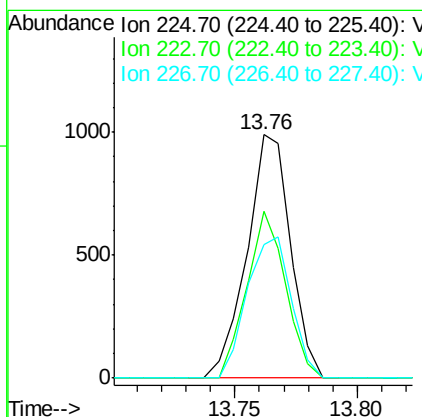
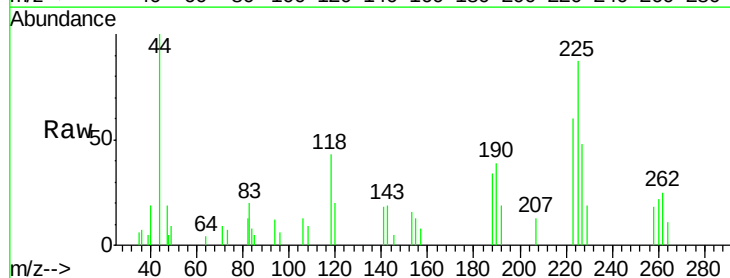
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

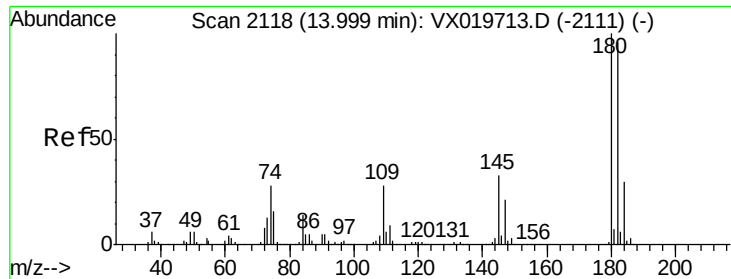
Tot Ion:180 Resp: 1089
 Ion Ratio Lower Upper
 180 100
 182 102.8 47.7 143.1
 145 27.7 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 0.594 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019721.D
 Acq: 04 Dec 2020 16:58

Tgt Ion:225 Resp: 1232
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.1 93.2
 227 58.6 31.6 95.0

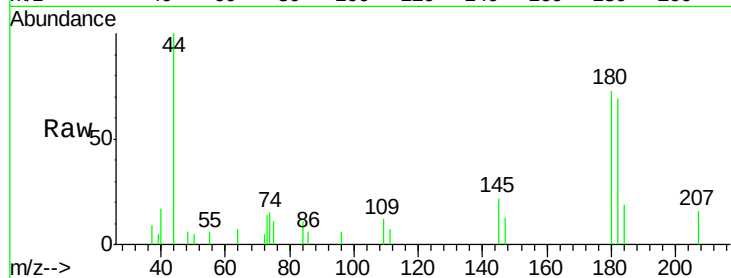




#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019721.D
 Acq: 04 Dec 2020 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.1	47.6	142.9
145	30.0	16.1	48.3



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

