

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019303.D
 Acq On : 05 Nov 2020 11:11
 Operator : JC/MD
 Sample : L4634-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 01:06:53 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	5.63	168	296143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	518016	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	480027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234179	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	207078	54.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.44%	
35) Dibromofluoromethane	5.46	113	164001	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
50) Toluene-d8	8.70	98	634584	51.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.12	95	235032	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	

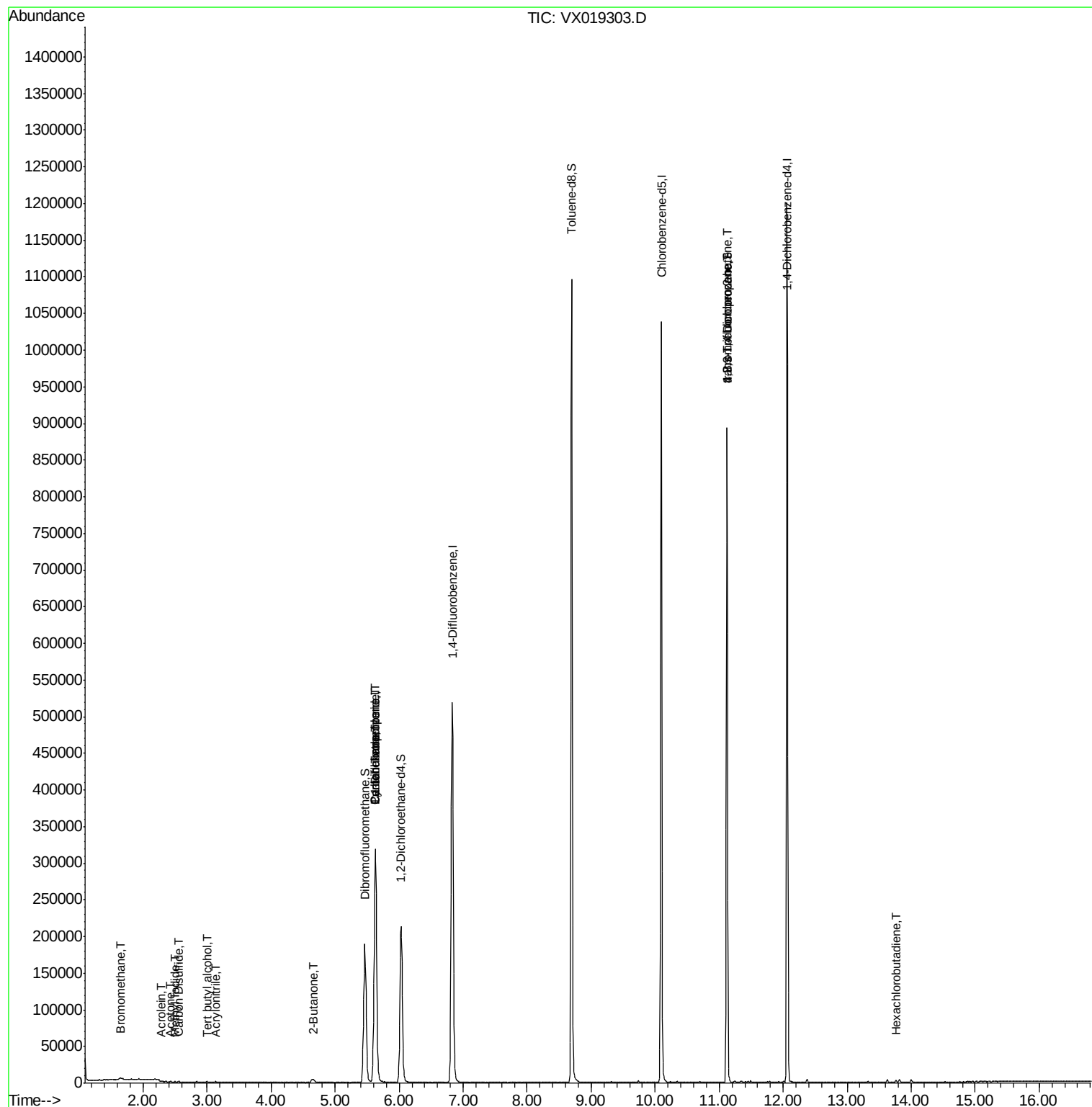
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	572	0.262	ug/l #	62
10) Methyl Iodide	2.50	142	825	6.597	ug/l #	89
11) Tert butyl alcohol	3.00	59	936	1.241	ug/l #	72
13) Acrolein	2.27	56	164	6.123	ug/l	93
15) Acrylonitrile	3.12	53	552	0.348	ug/l	98
16) Acetone	2.43	43	810	0.615	ug/l	99
17) Carbon Disulfide	2.56	76	1770	0.973	ug/l #	93
25) 2-Butanone	4.67	43	500	0.241	ug/l #	44
31) Cyclohexane	5.63	56	6482	1.343	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25121	5.252	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30657	6.288	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	121606	25.150	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	121606	66.219	ug/l #	12
94) Hexachlorobutadiene	13.77	225	534	0.220	ug/l	90

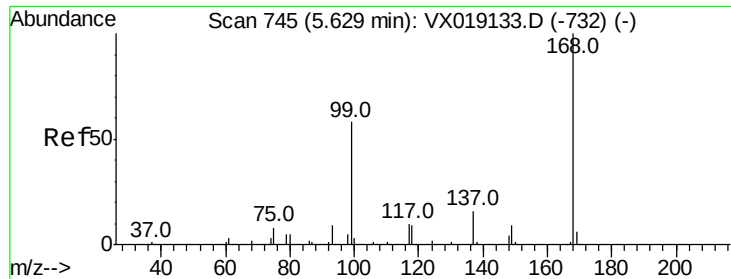
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 01:06:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 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: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :

MSVOA_X

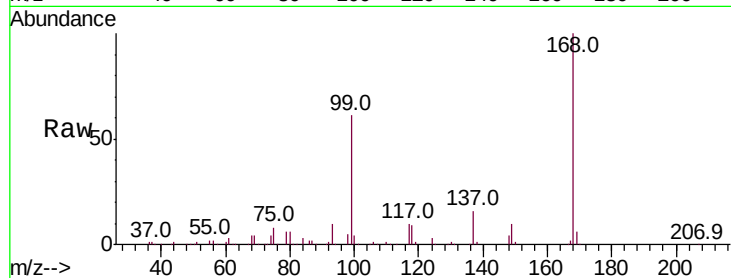
ClientSampleId :

Tot Ion:168 Resp: 296143

Ion Ratio Lower Upper

168 100

99 61.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

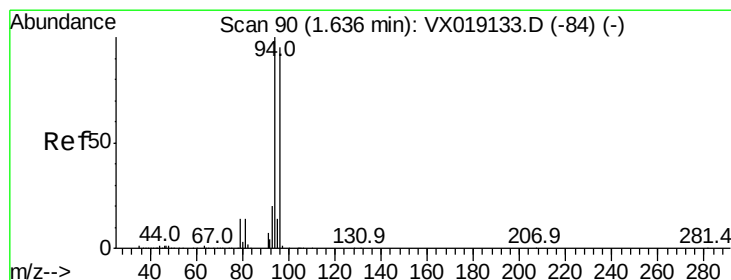
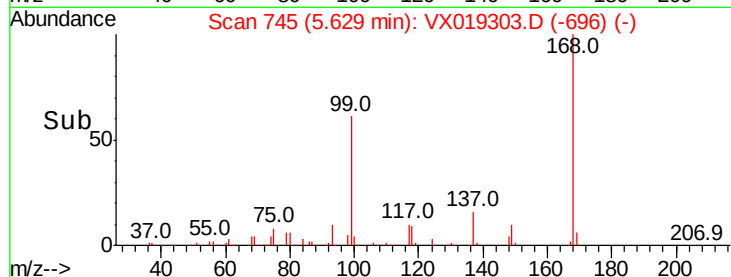
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.262 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019303.D

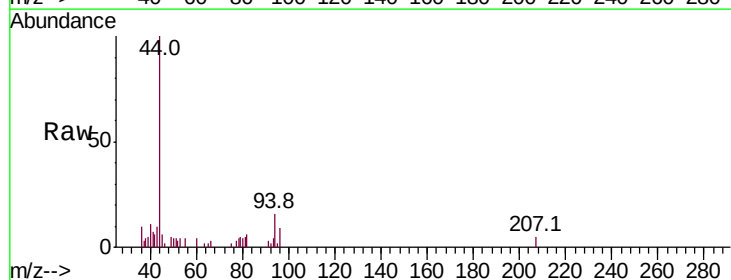
Acq: 05 Nov 2020 11:11

Tgt Ion: 94 Resp: 572

Ion Ratio Lower Upper

94 100

96 57.7 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

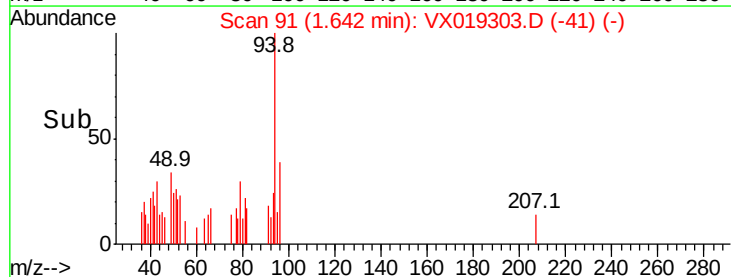
300

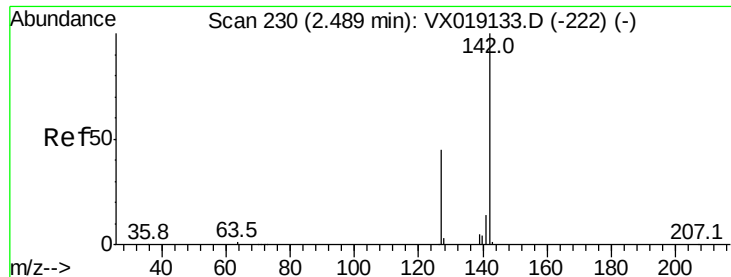
200

100

0

Time-->

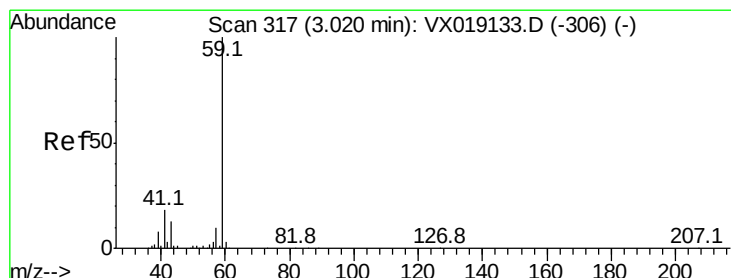
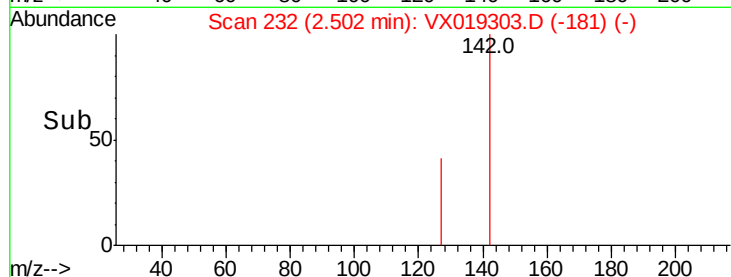
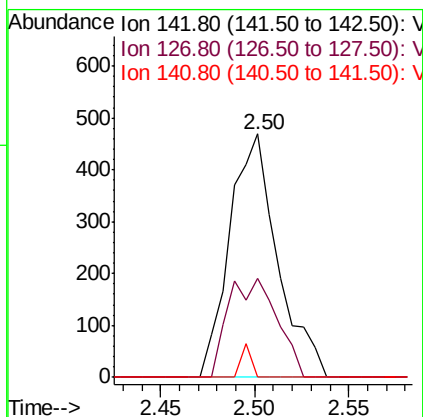
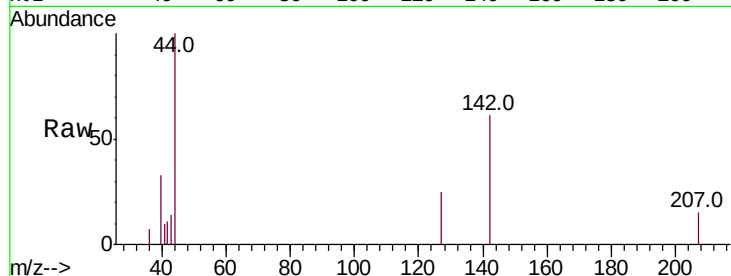




#10
Methyl Iodide
Concen: 6.597 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019303.D
Acq: 05 Nov 2020 11:11

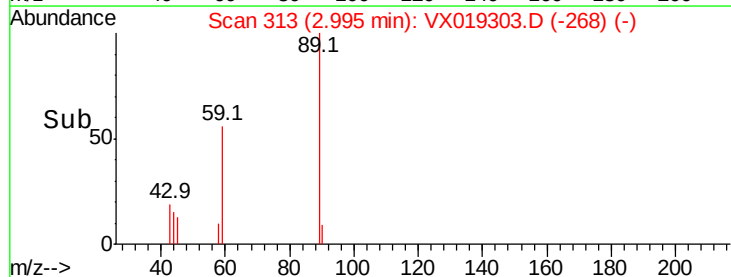
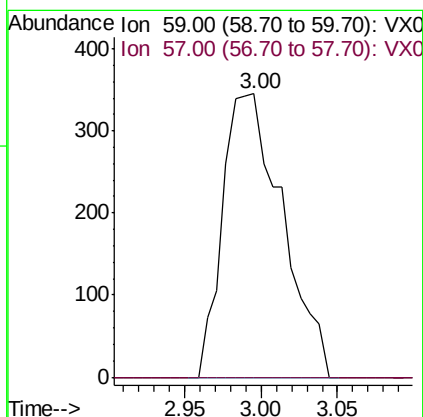
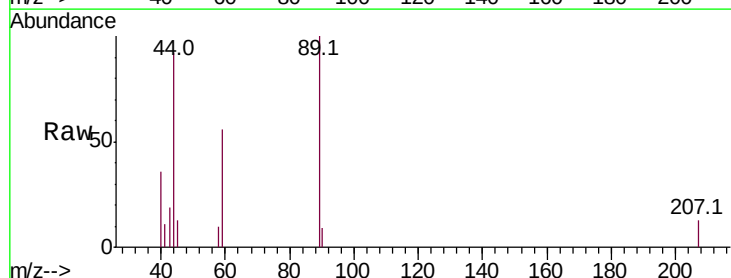
Instrument :
MSVOA_X
ClientSampled :

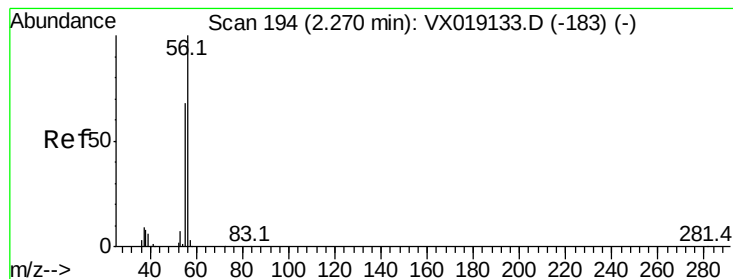
Tot Ion:142 Resp: 825
Ion Ratio Lower Upper
142 100
127 41.5 36.1 54.1
141 2.9 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.241 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019303.D
Acq: 05 Nov 2020 11:11

Tgt Ion: 59 Resp: 936
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 6.123 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

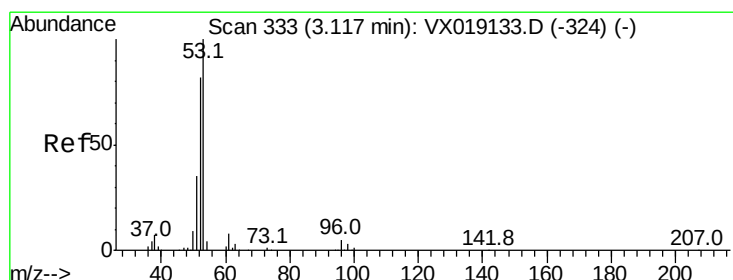
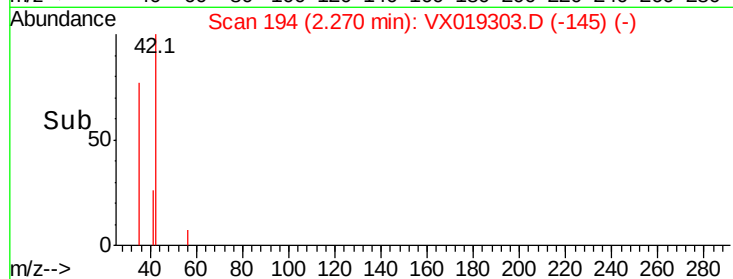
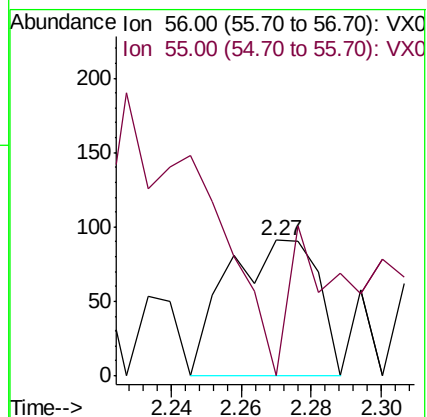
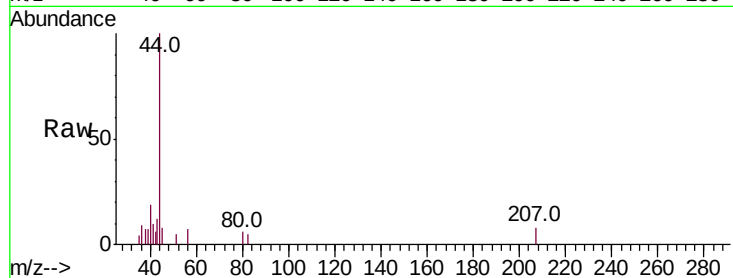
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 62.8 54.7 82.1



#15

Acrylonitrile

Concen: 0.348 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

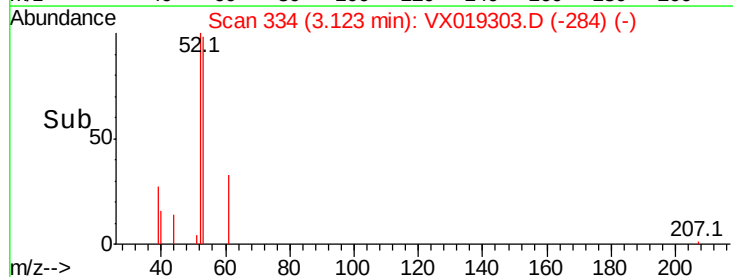
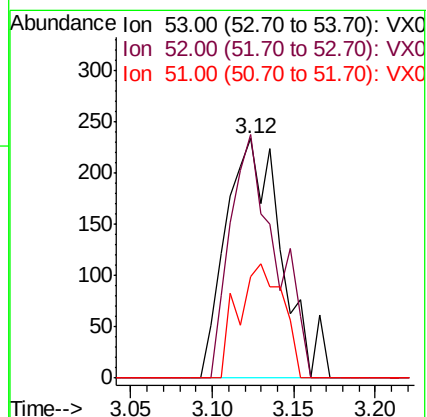
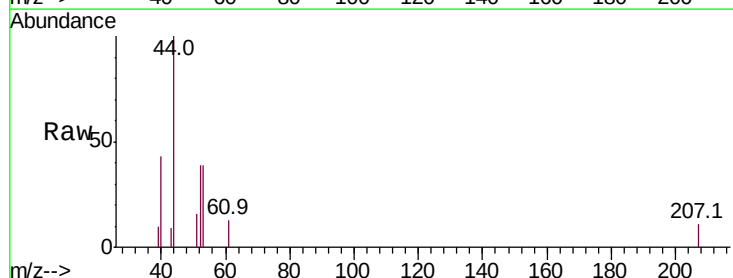
Tgt Ion: 53 Resp: 552

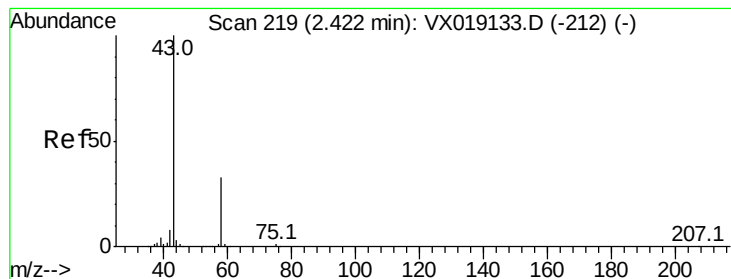
Ion Ratio Lower Upper

53 100

52 83.0 65.7 98.5

51 38.2 28.4 42.6





#16

Acetone

Concen: 0.615 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :

MSVOA_X

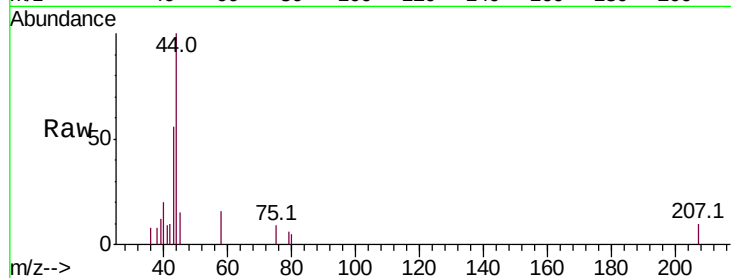
ClientSampled :

Tot Ion: 43 Resp: 810

Ion Ratio Lower Upper

43 100

58 33.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

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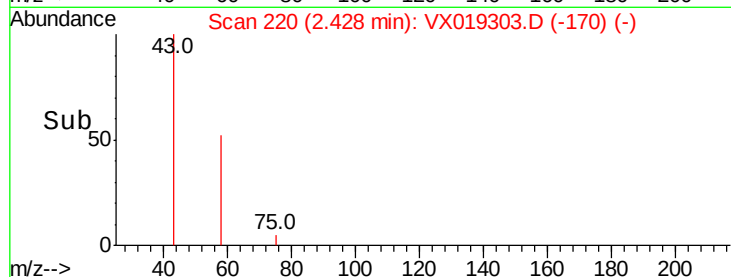
2.43

2.43

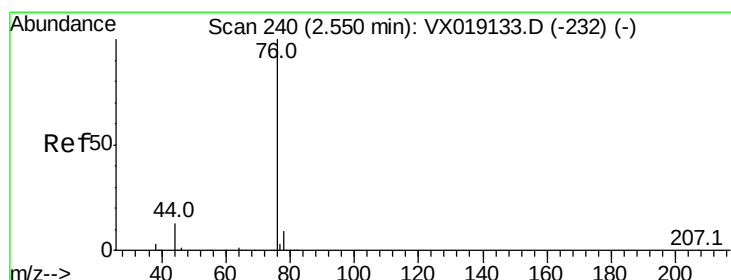
2.43

2.43

2.43



Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.973 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019303.D

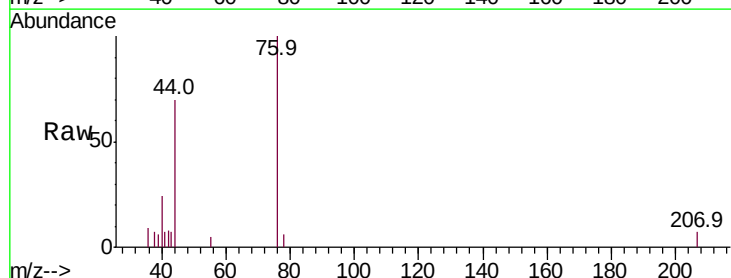
Acq: 05 Nov 2020 11:11

Tgt Ion: 76 Resp: 1770

Ion Ratio Lower Upper

76 100

78 6.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

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2.56

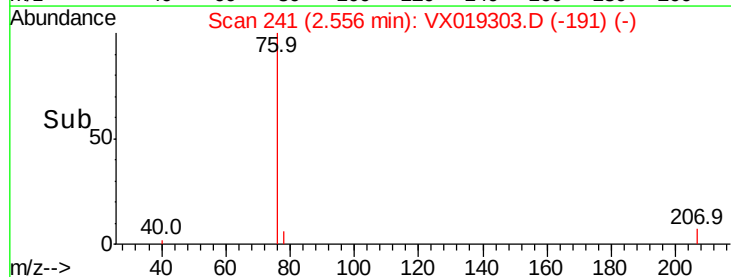
2.56

2.56

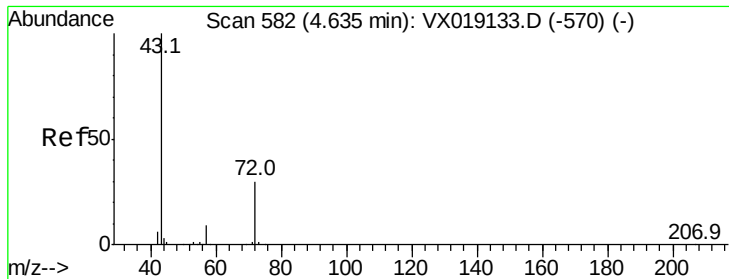
2.56

2.56

2.56



Time--> 2.50 2.55 2.60



#25

2-Butanone

Concen: 0.241 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :

MSVOA_X

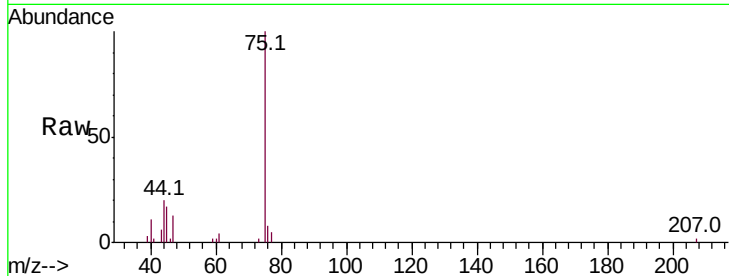
ClientSampleId :

Tot Ion: 43 Resp: 500

Ion Ratio Lower Upper

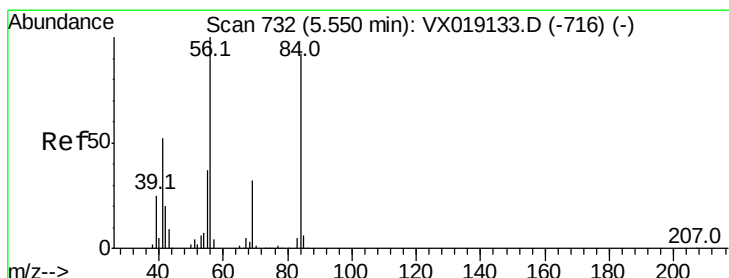
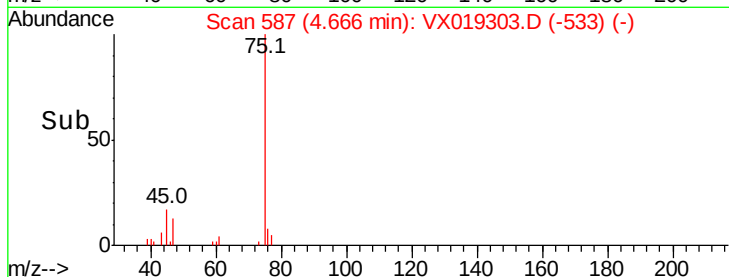
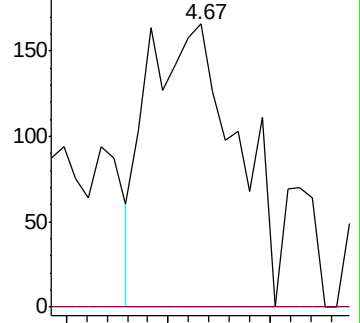
43 100

72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.343 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

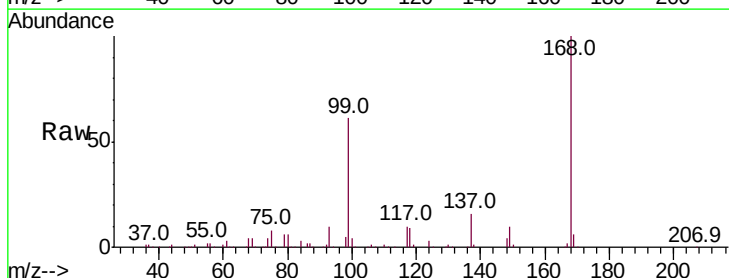
Tgt Ion: 56 Resp: 6482

Ion Ratio Lower Upper

56 100

69 172.8 25.9 38.9#

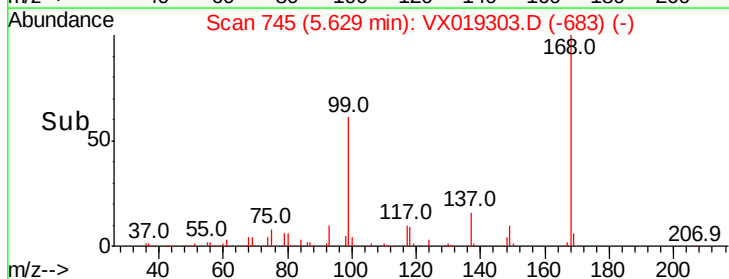
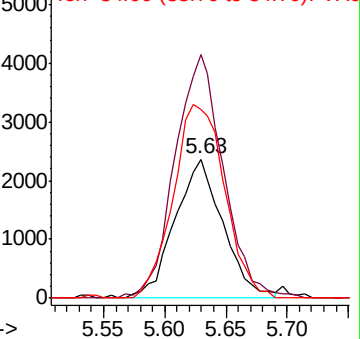
84 135.7 73.4 110.2#

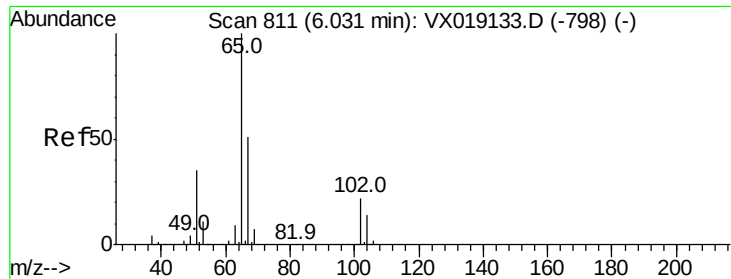


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.221 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

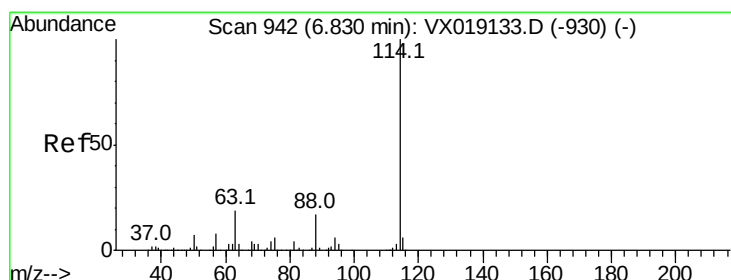
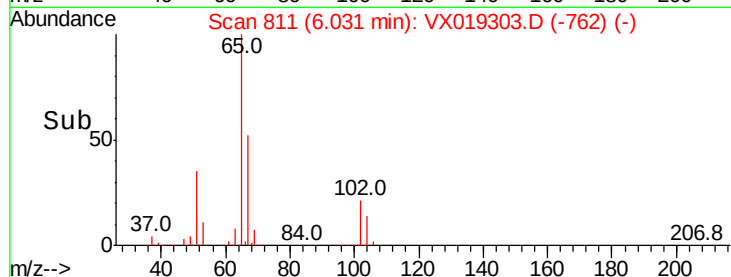
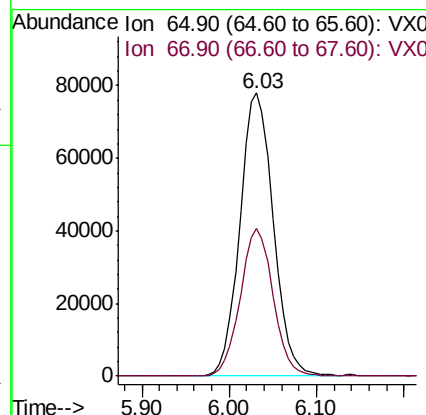
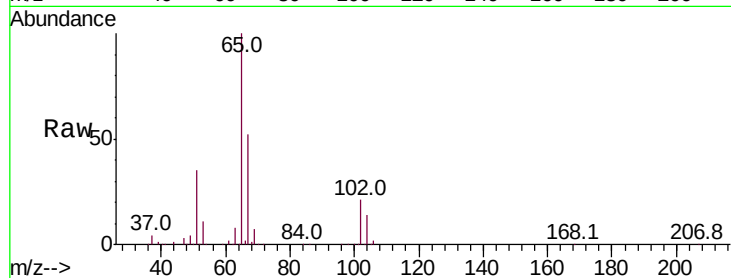
Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 207078

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

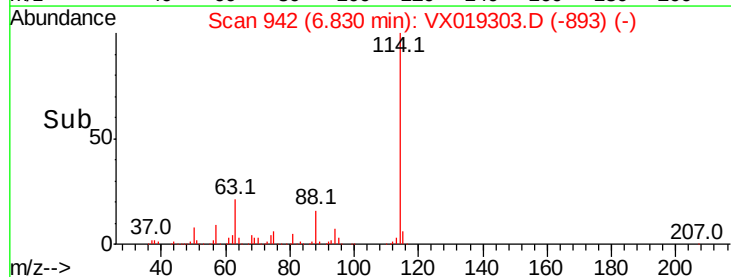
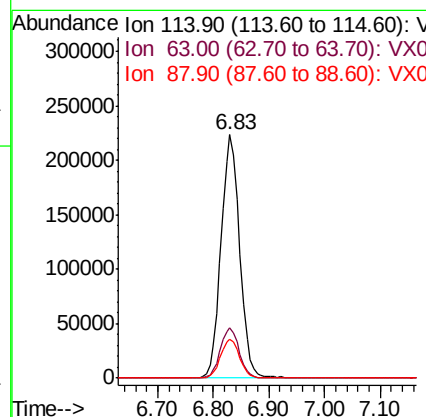
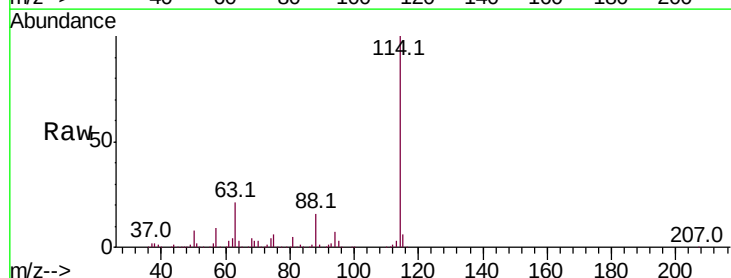
Delta R.T. -0.00 min

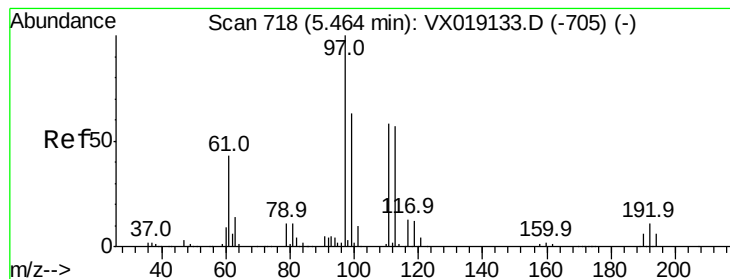
Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

Tgt Ion: 114 Resp: 518016

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	38.8
88	16.1	0.0	34.2





#35

Dibromofluoromethane

Concen: 50.402 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

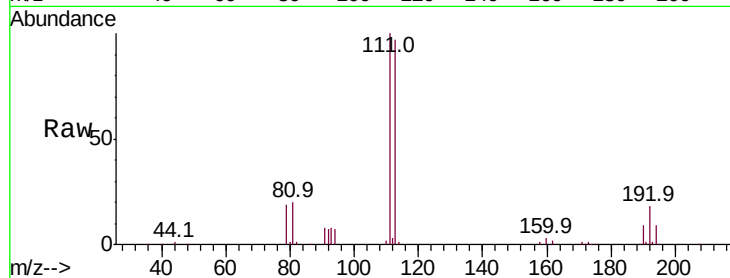
Tot Ion:113 Resp: 164001

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

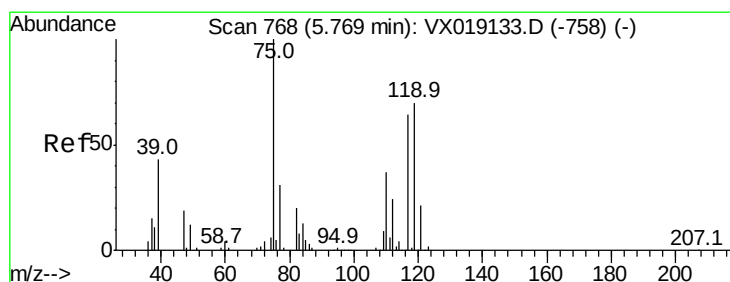
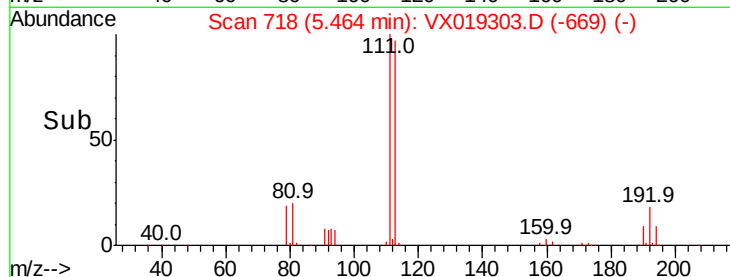
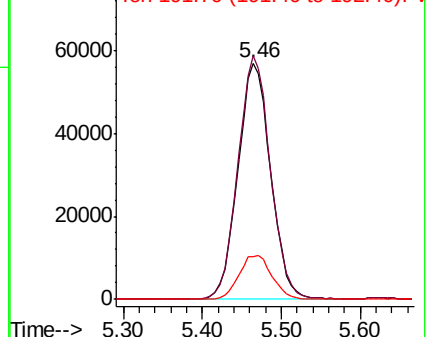
192 19.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.252 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

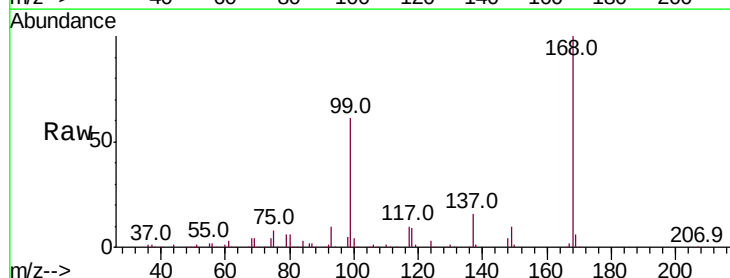
Tgt Ion: 75 Resp: 25121

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

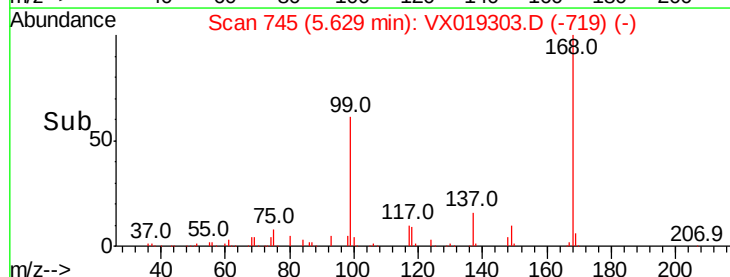
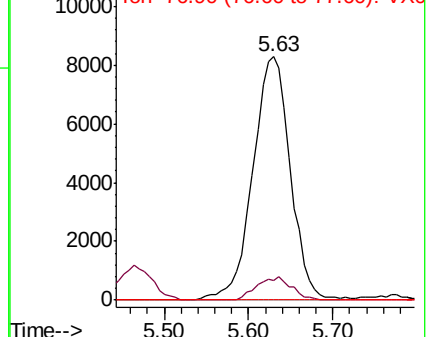
77 0.0 24.9 37.3#

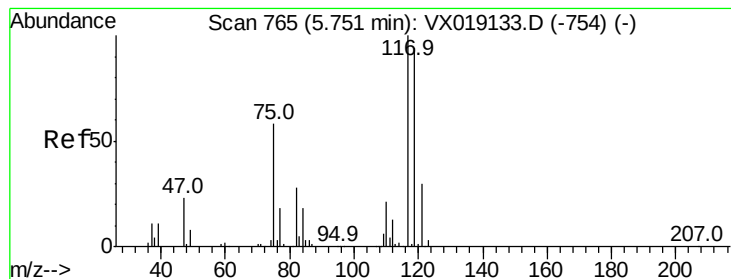


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.288 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :

MSVOA_X

ClientSampled :

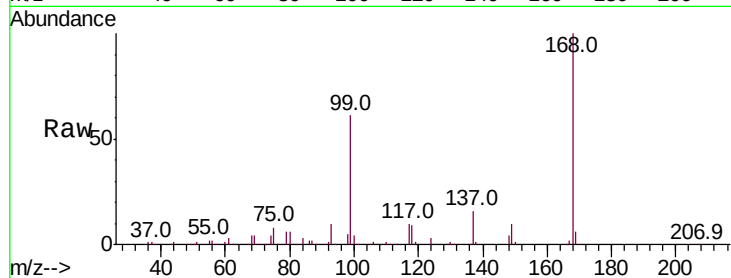
Tot Ion:117 Resp: 30657

Ion Ratio Lower Upper

117 100

119 5.8 75.0 112.6#

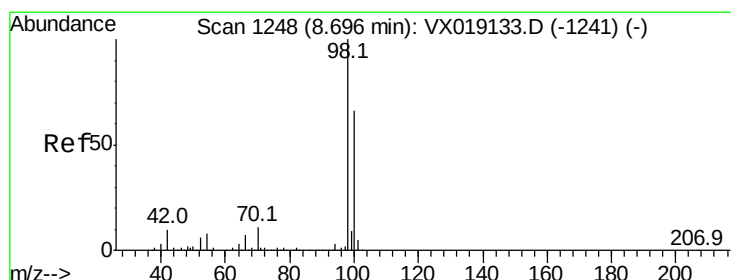
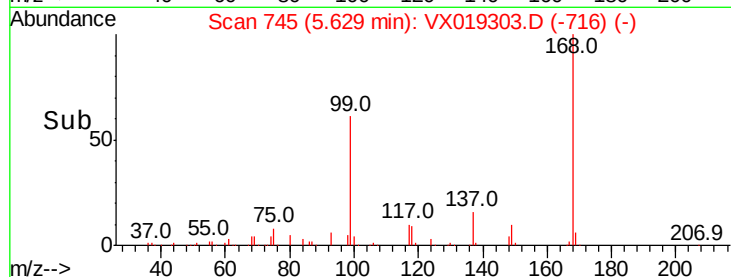
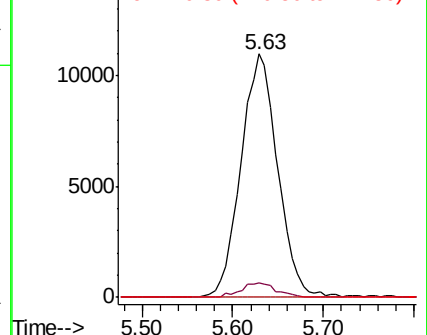
121 0.0 23.9 35.9#



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: 51.736 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019303.D

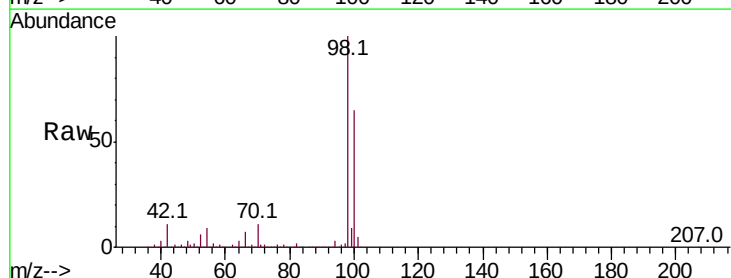
Acq: 05 Nov 2020 11:11

Tgt Ion: 98 Resp: 634584

Ion Ratio Lower Upper

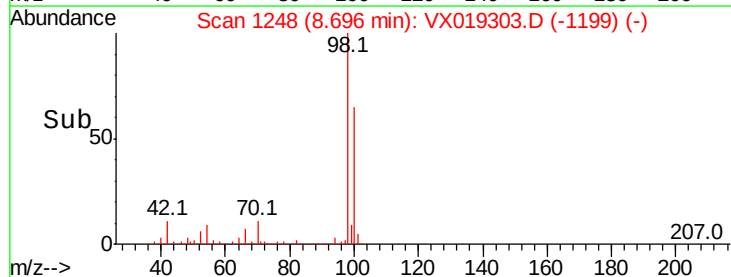
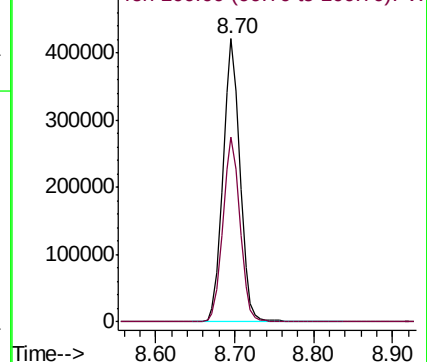
98 100

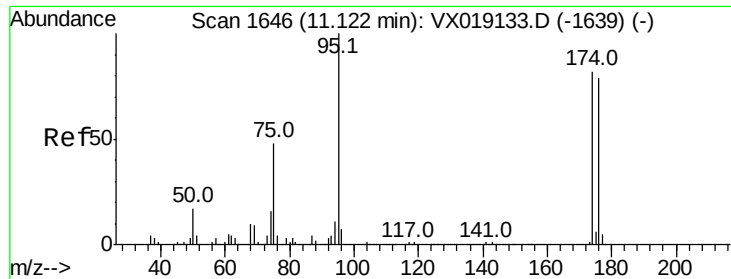
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

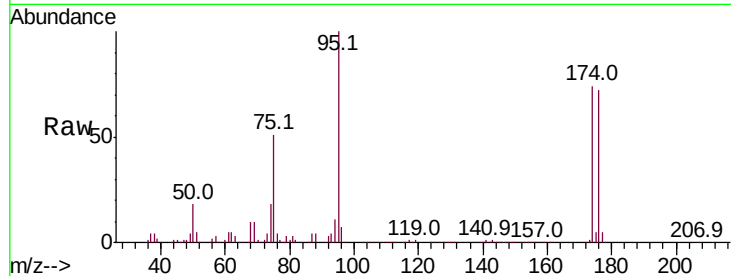




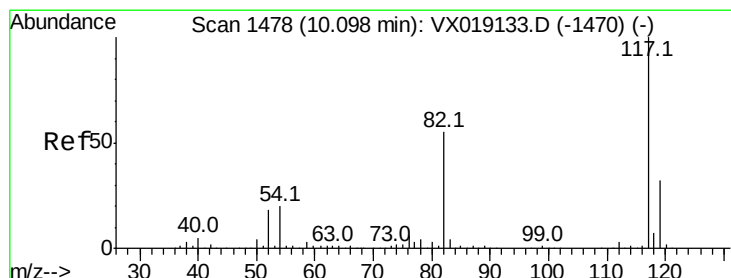
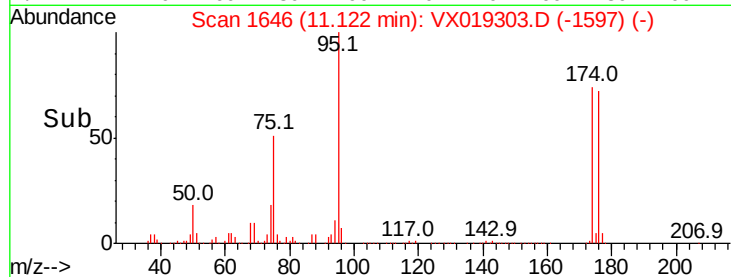
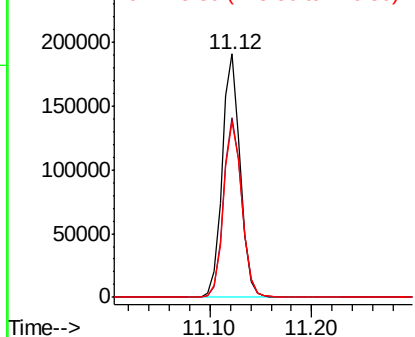
#62
4-Bromofluorobenzene
Concen: 50.597 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019303.D
Acq: 05 Nov 2020 11:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 235032
Ion Ratio Lower Upper
95 100
174 74.5 0.0 156.0
176 73.3 0.0 149.8

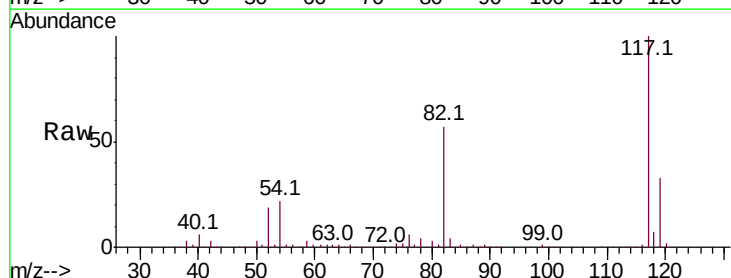


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

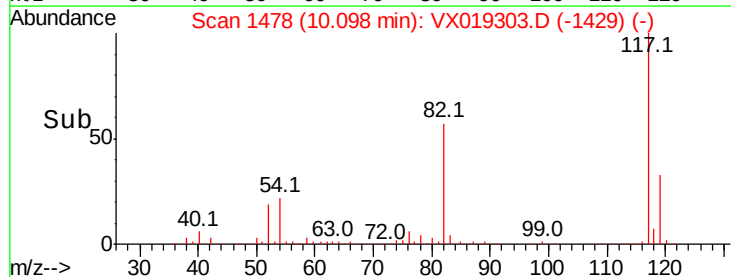
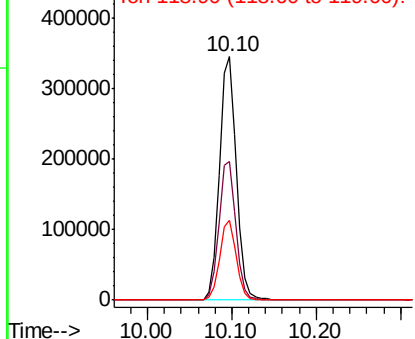


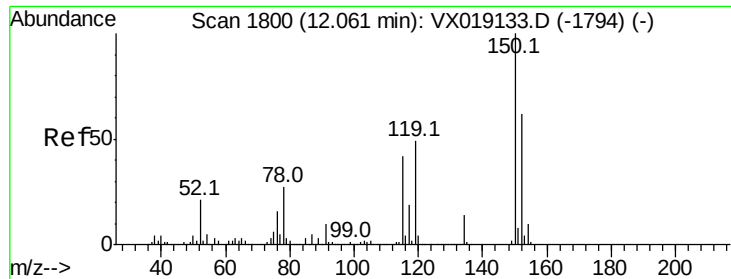
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019303.D
Acq: 05 Nov 2020 11:11

Tgt Ion: 117 Resp: 480027
Ion Ratio Lower Upper
117 100
82 57.1 43.6 65.4
119 33.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
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: VX019303.D

Acq: 05 Nov 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

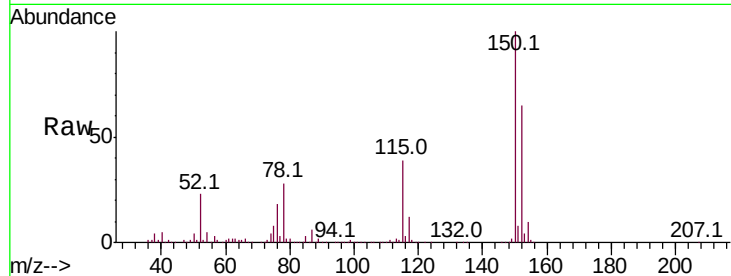
Tot Ion:152 Resp: 234179

Ion Ratio Lower Upper

152 100

115 60.2 41.9 125.7

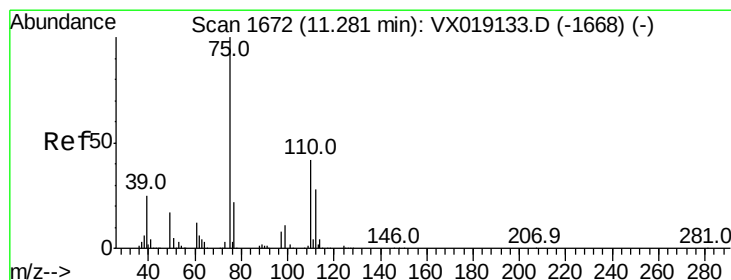
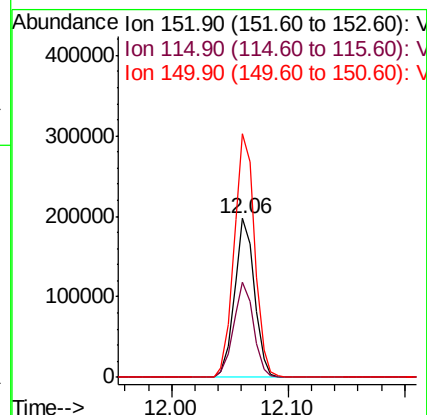
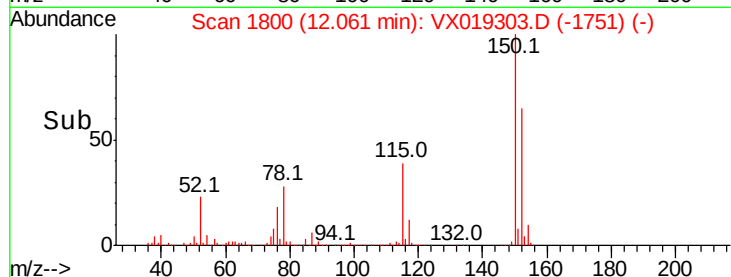
150 158.5 0.0 347.8



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: 25.150 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019303.D

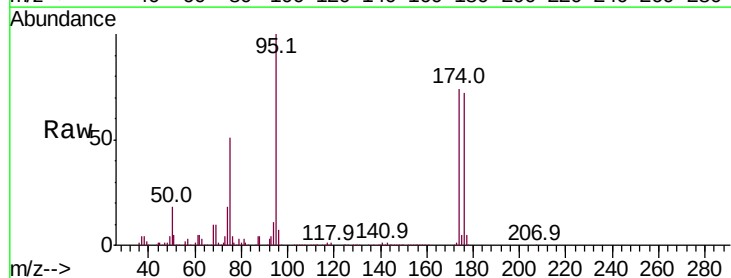
Acq: 05 Nov 2020 11:11

Tgt Ion: 75 Resp: 121606

Ion Ratio Lower Upper

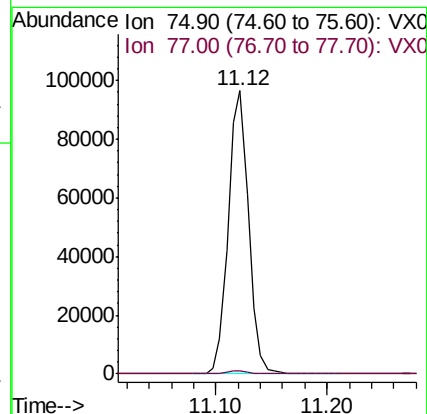
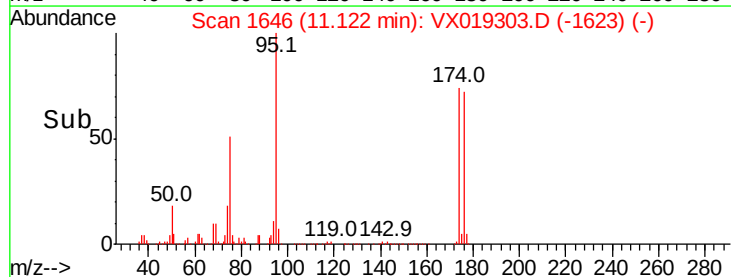
75 100

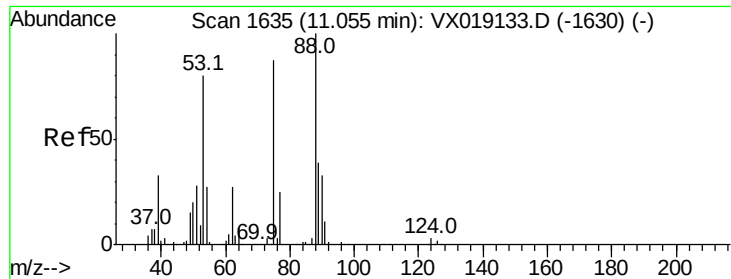
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

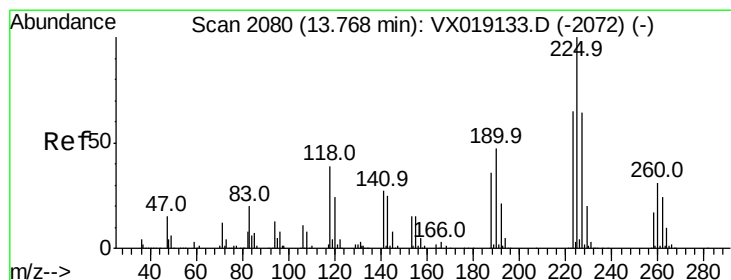
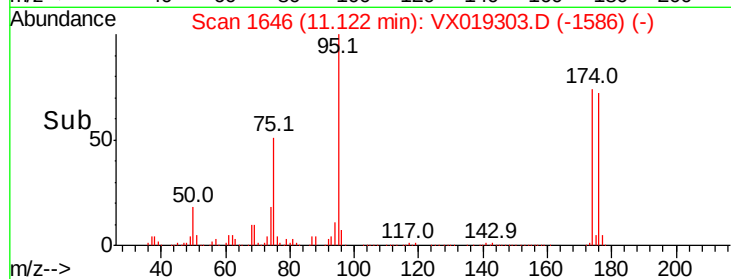
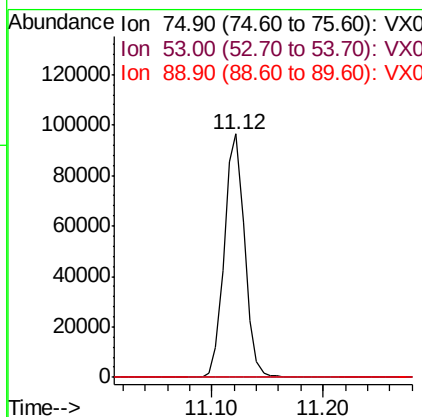
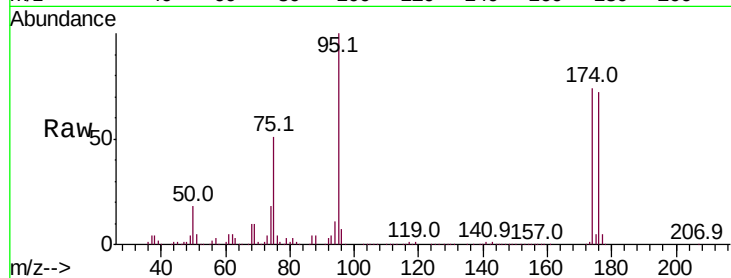




#81
trans-1,4-Dichloro-2-butene
Concen: 66.219 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019303.D
Acq: 05 Nov 2020 11:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 121606
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.220 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX019303.D
Acq: 05 Nov 2020 11:11

Tgt Ion: 225 Resp: 534
Ion Ratio Lower Upper
225 100
223 57.1 32.4 97.2
227 54.9 31.6 94.7

