

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018697.D
 Acq On : 30 Sep 2020 14:10
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 01 01:09:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 01:06:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	215395	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	207464	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	109535	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46251	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.70	69	42549	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.34	63	117157	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	4.56	46	160974	56.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.02%
24) Chloroform-d	5.14	84	132242	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	6.03	65	75495	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	6.05	84	228408	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	7.37	67	70492	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	8.70	98	220461	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
45) trans-1,3-Dichloropropene-	8.99	79	31279	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
48) 2-Hexanone-d5	9.43	63	131165	56.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.88%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	58942	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	85290	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	68820	5.280	ug/L 97
3) Chloromethane	1.31	50	56429	5.068	ug/L 99
5) Vinyl chloride	1.39	62	60443	5.183	ug/L 97
6) Bromomethane	1.64	94	32062	4.599	ug/L 100
8) Chloroethane	1.72	64	34226	5.337	ug/L 98
9) Trichlorofluoromethane	1.92	101	109669	5.429	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	60773	5.481	ug/L 95
12) 1,1-Dichloroethene	2.36	96	55131	5.243	ug/L 87
13) Acetone	2.45	43	85364	53.660	ug/L 86
14) Carbon disulfide	2.55	76	157760	4.934	ug/L 99
15) Methyl Acetate	2.76	43	23279	5.287	ug/L 96
16) Methylene chloride	2.84	84	57240	3.984	ug/L 100
17) Methyl tert-butyl Ether	3.17	73	127930	5.466	ug/L 98
18) trans-1,2-Dichloroethene	3.14	96	56425	5.368	ug/L 94
19) 1,1-Dichloroethane	3.67	63	101641	5.392	ug/L 98
21) 2-Butanone	4.66	43	135335	53.597	ug/L # 60
22) cis-1,2-Dichloroethene	4.57	96	56006	5.107	ug/L # 96

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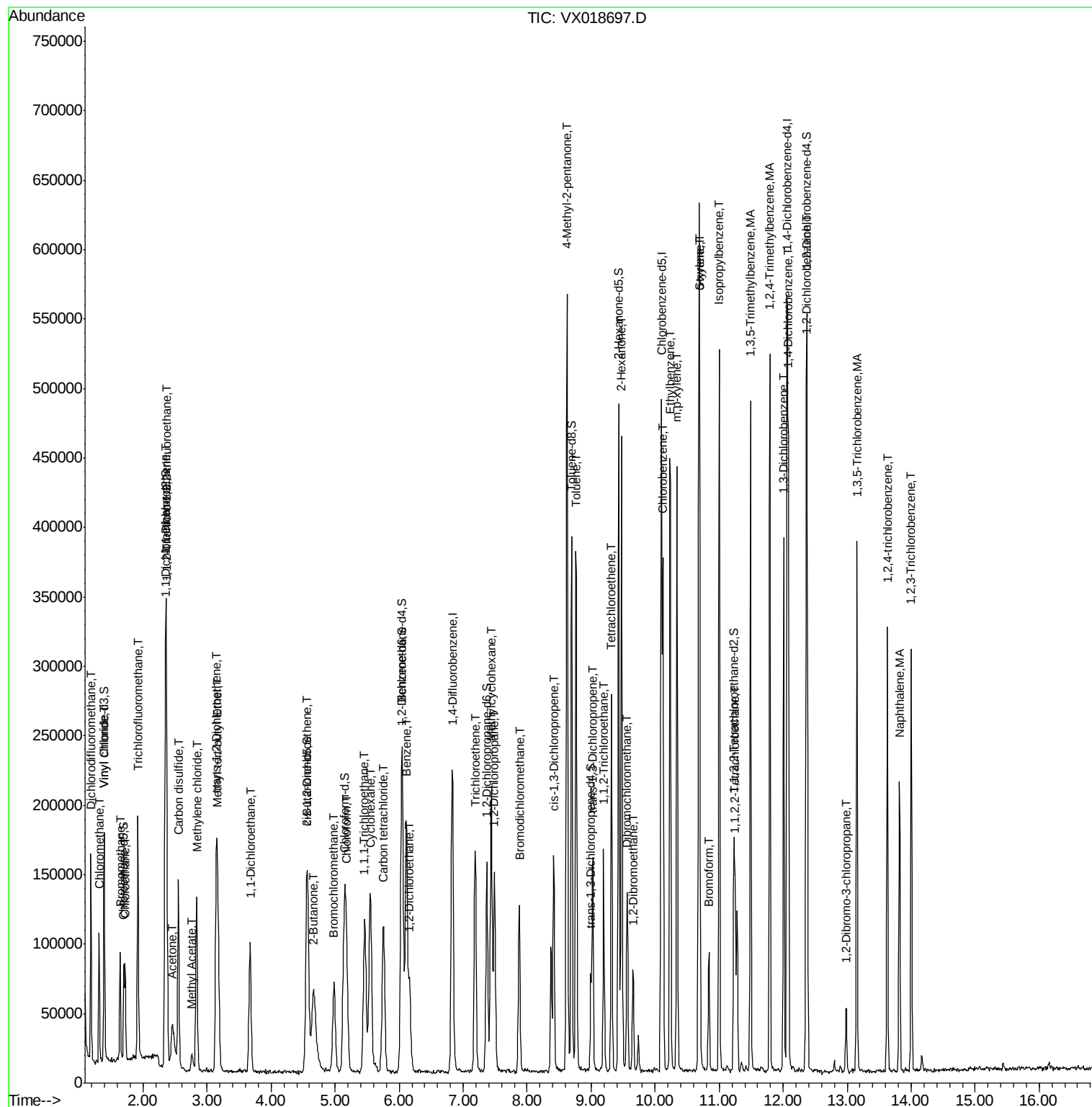
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27106	5.155	ug/L	87
25) Chloroform	5.18	83	112001	5.436	ug/L	98
27) 1,2-Dichloroethane	6.16	62	71853	5.513	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	108874	5.510	ug/L	98
30) Cyclohexane	5.55	56	79291	5.044	ug/L	99
31) Carbon tetrachloride	5.76	117	99798	5.477	ug/L	99
33) Benzene	6.11	78	216651	5.416	ug/L	100
34) Trichloroethene	7.19	95	59691	5.157	ug/L	93
35) Methylcyclohexane	7.44	83	82118	5.101	ug/L	96
37) 1,2-Dichloropropane	7.49	63	56033	5.250	ug/L	100
38) Bromodichloromethane	7.88	83	80075	5.558	ug/L #	93
39) cis-1,3-Dichloropropene	8.42	75	77695	5.133	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	326295	55.158	ug/L	99
42) Toluene	8.76	91	236259	5.468	ug/L	96
43) 1,3,5-Trimethylbenzene	11.49	105	207091	5.482	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	207572	5.493	ug/L	96
46) trans-1,3-Dichloropropene	9.02	75	71857	5.205	ug/L	95
47) 1,1,2-Trichloroethane	9.20	97	40275	5.259	ug/L	94
49) Tetrachloroethene	9.32	164	50935	5.589	ug/L	96
50) 2-Hexanone	9.48	43	249697	59.633	ug/L	96
51) Dibromochloromethane	9.57	129	55873	5.575	ug/L	95
52) 1,2-Dibromoethane	9.65	107	38988	5.464	ug/L #	98
53) Chlorobenzene	10.12	112	156582	5.486	ug/L	97
54) Ethylbenzene	10.23	91	256040	5.440	ug/L	99
55) m,p-xylene	10.34	106	98106	5.452	ug/L	95
56) o-xylene	10.68	106	91617	5.388	ug/L	88
57) Styrene	10.70	104	159748	5.691	ug/L	100
58) Isopropylbenzene	11.00	105	254700	5.587	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.25	83	47761	5.521	ug/L	95
62) Bromoform	10.84	173	31791	5.451	ug/L	93
63) 1,3-Dichlorobenzene	12.01	146	123871	5.202	ug/L	96
64) 1,4-Dichlorobenzene	12.08	146	121303	5.043	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	117409	5.292	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.98	75	10545	5.590	ug/L	96
68) 1,3,5-Trichlorobenzene	13.15	180	89781	5.022	ug/L	96
69) 1,2,4-trichlorobenzene	13.63	180	73879	5.041	ug/L	99
70) Naphthalene	13.82	128	126227	5.096	ug/L	100
71) 1,2,3-Trichlorobenzene	14.00	180	69461	5.245	ug/L	98

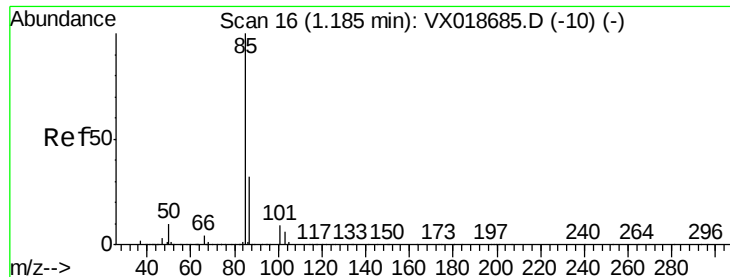
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.280 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

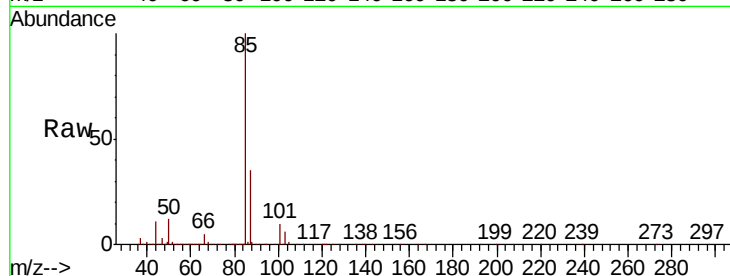
ClientSampleId :

Tot Ion: 85 Resp: 68820

Ion Ratio Lower Upper

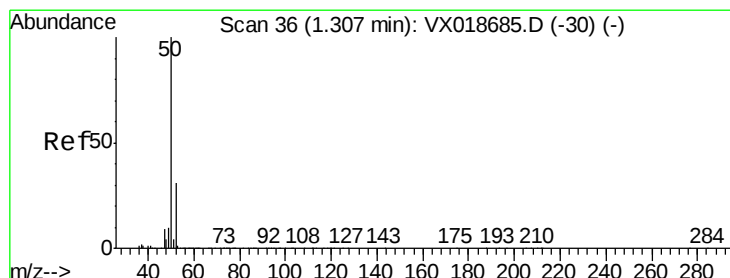
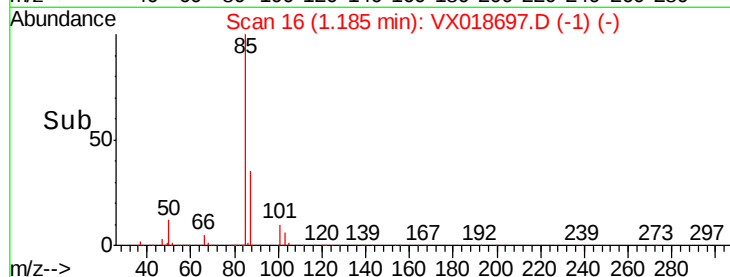
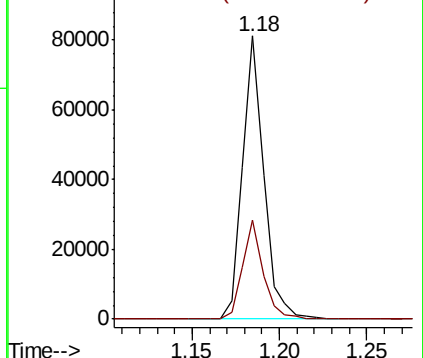
85 100

87 34.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 5.068 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX018697.D

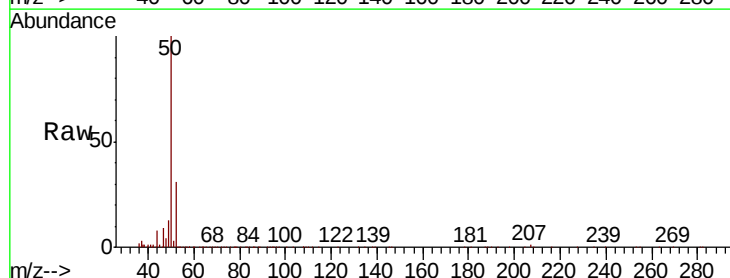
Acq: 30 Sep 2020 14:10

Tgt Ion: 50 Resp: 56429

Ion Ratio Lower Upper

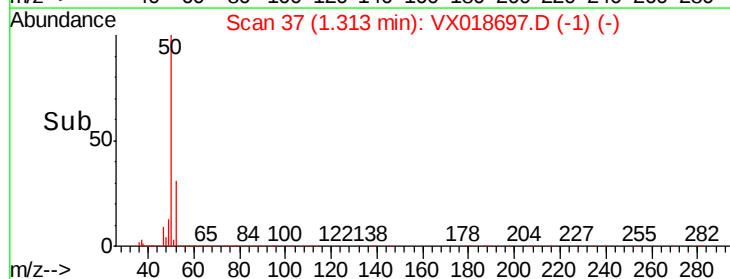
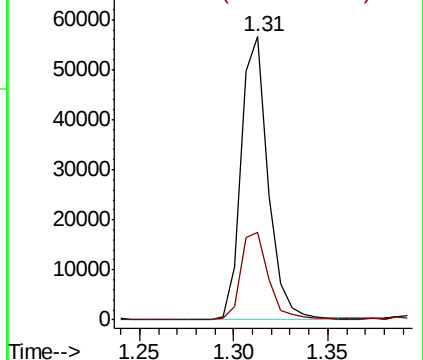
50 100

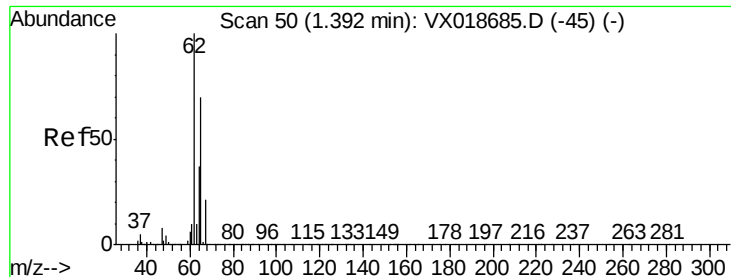
52 30.9 21.2 39.4



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 5.183 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

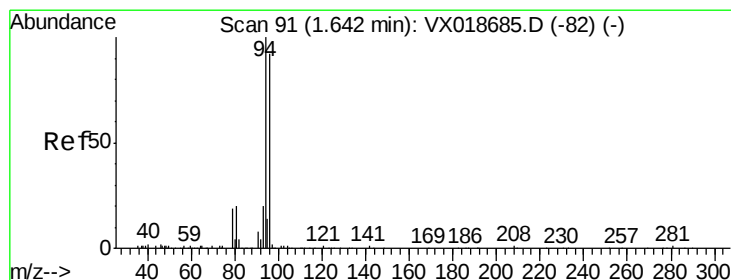
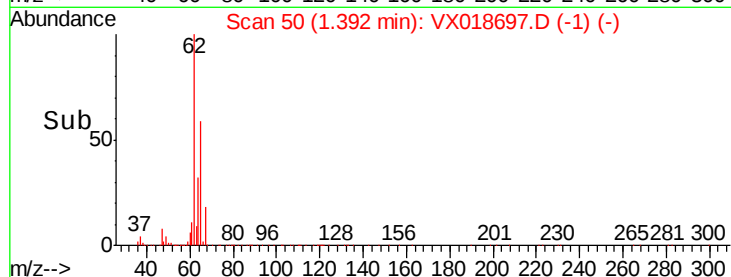
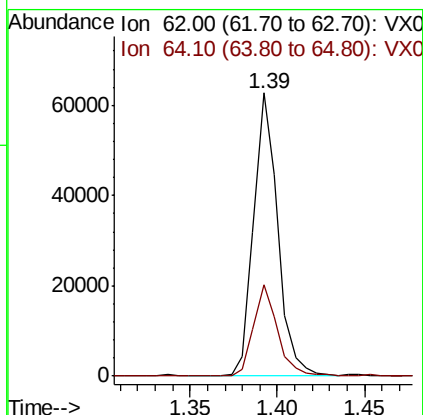
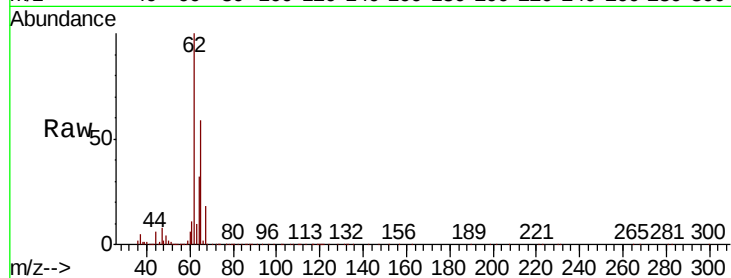
ClientSampleId :

Tot Ion: 62 Resp: 60443

Ion Ratio Lower Upper

62 100

64 32.2 23.6 43.8



#6

Bromomethane

Concen: 4.599 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018697.D

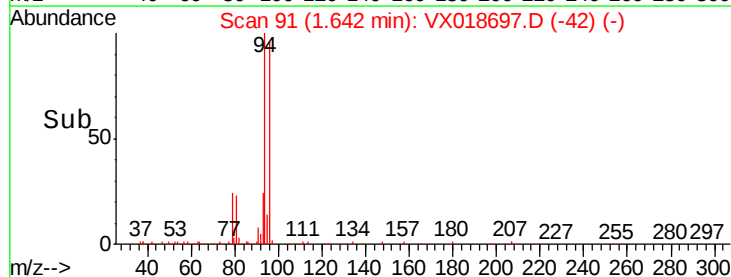
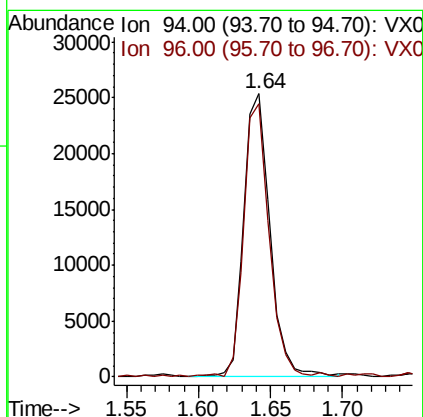
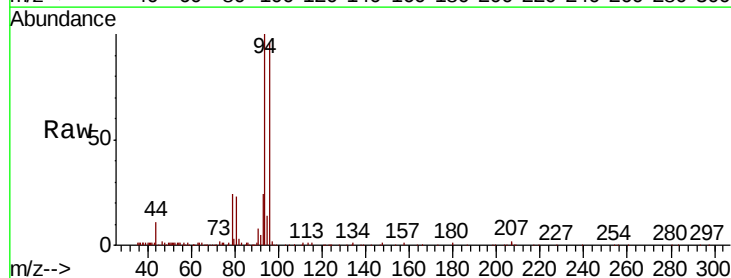
Acq: 30 Sep 2020 14:10

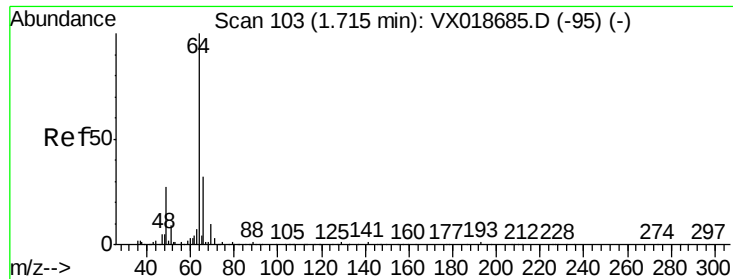
Tgt Ion: 94 Resp: 32062

Ion Ratio Lower Upper

94 100

96 96.4 67.8 125.8

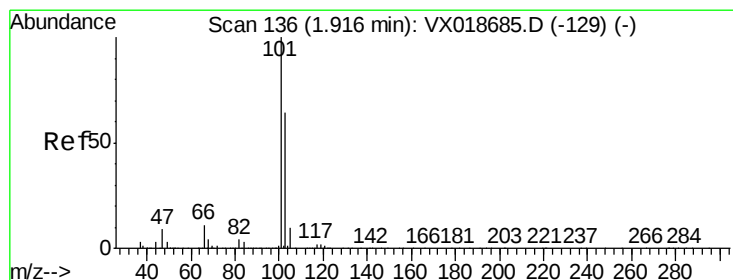
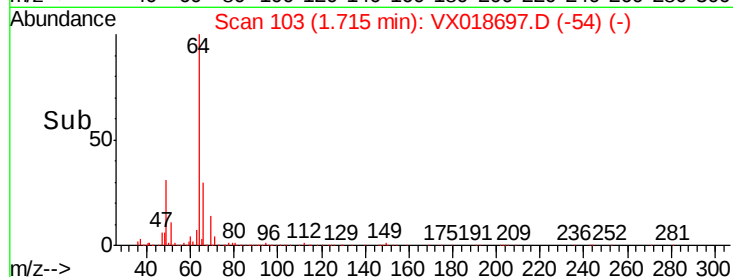
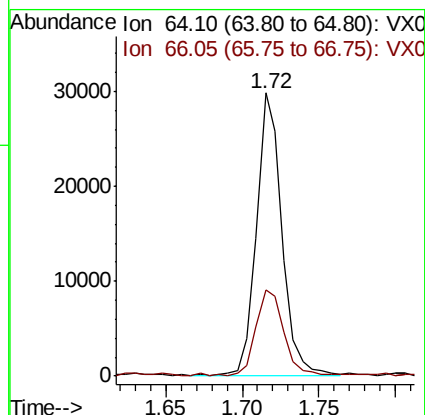
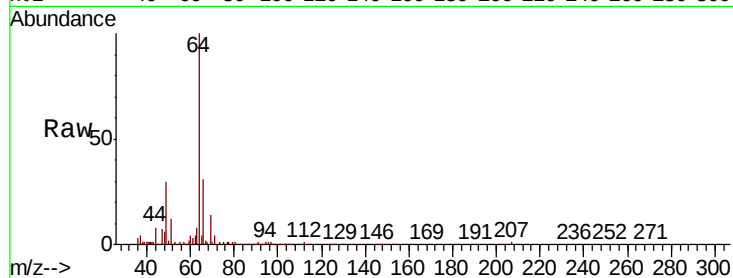




#8
Chloroethane
Concen: 5.337 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

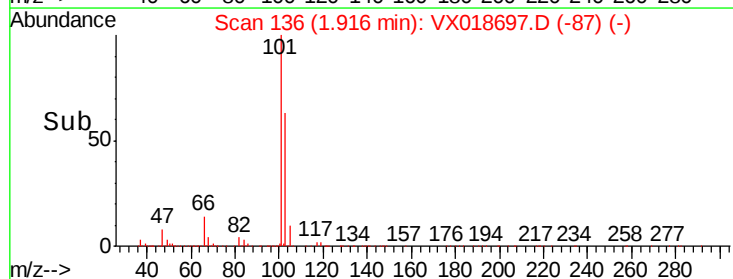
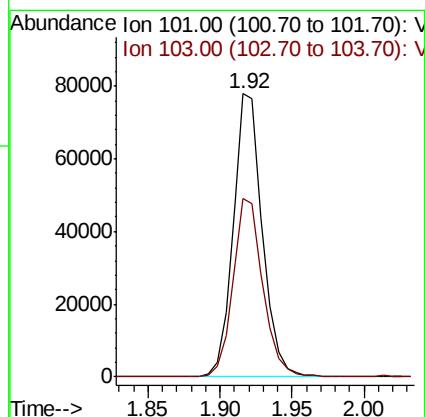
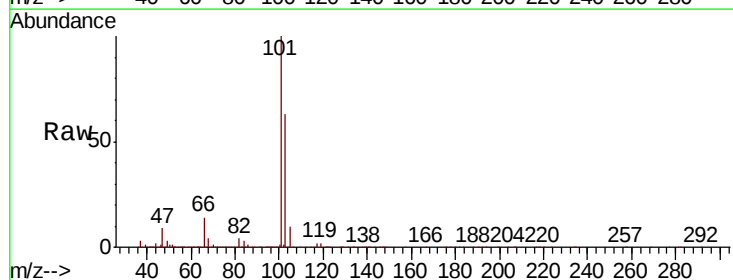
Instrument :
MSVOA_X
ClientSampleId :

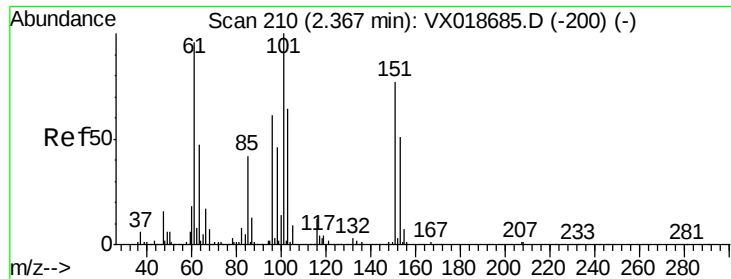
Tot Ion: 64 Resp: 34226
Ion Ratio Lower Upper
64 100
66 30.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.429 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Tgt Ion:101 Resp: 109669
Ion Ratio Lower Upper
101 100
103 65.0 49.8 74.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.481 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

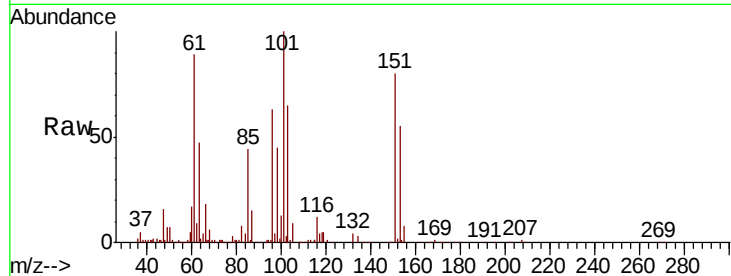
Tot Ion:101 Resp: 60773

Ion Ratio Lower Upper

101 100

85 43.4 36.1 54.1

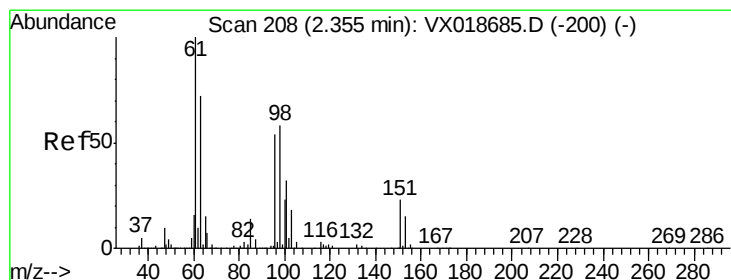
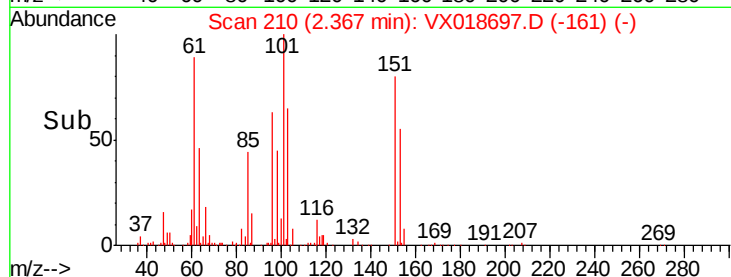
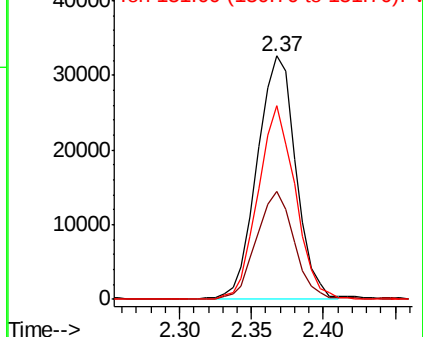
151 76.7 65.5 98.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.243 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

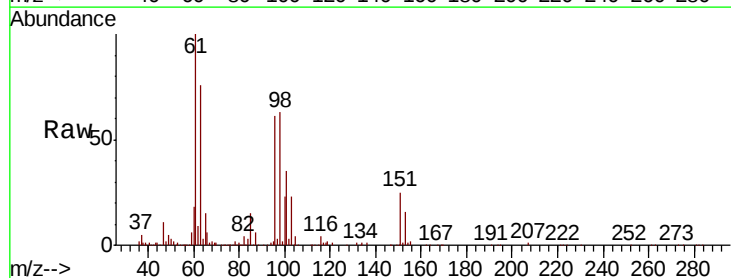
Tgt Ion: 96 Resp: 55131

Ion Ratio Lower Upper

96 100

61 164.9 123.8 229.8

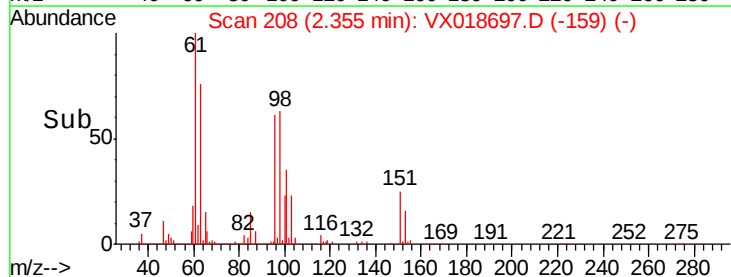
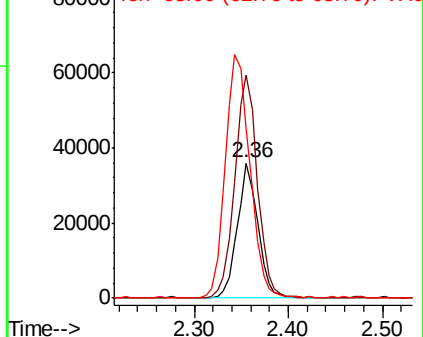
63 125.6 104.7 194.4

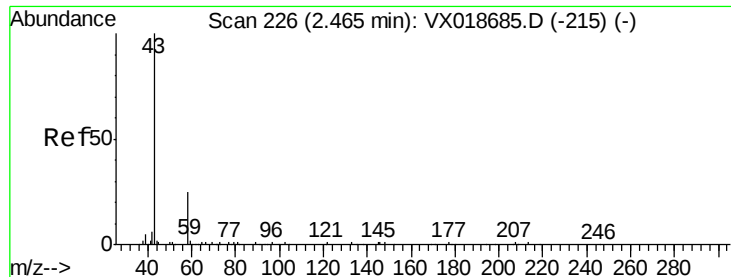


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 53.660 ug/L

RT: 2.45 min Scan# 224

Delta R.T. -0.01 min

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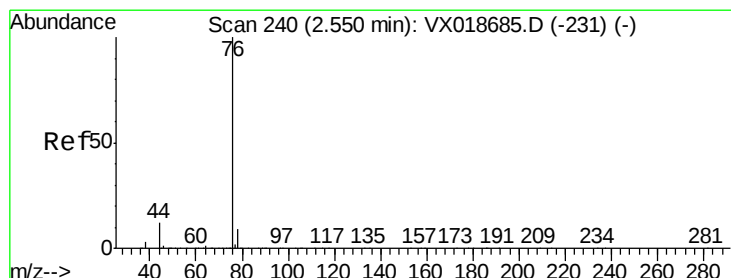
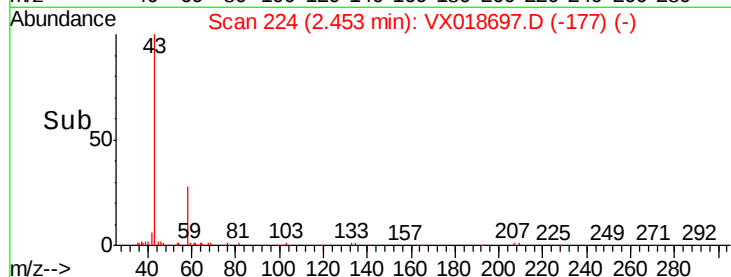
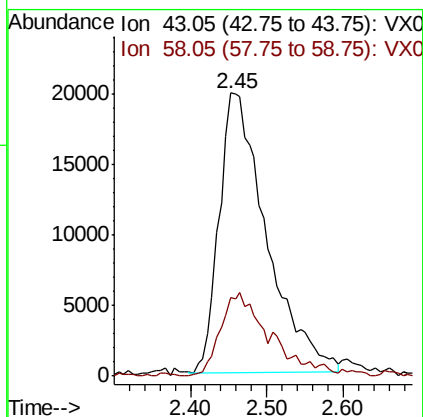
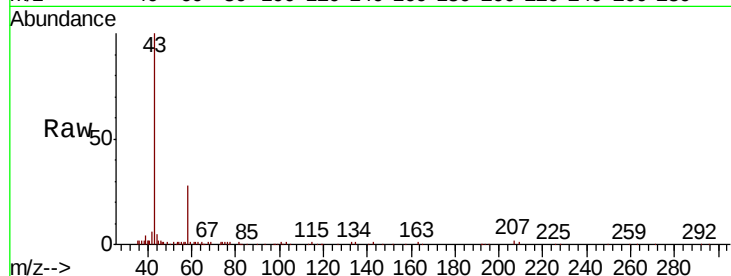
ClientSampleId :

Tot Ion: 43 Resp: 85364

Ion Ratio Lower Upper

43 100

58 23.3 0.0 61.6



#14

Carbon disulfide

Concen: 4.934 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018697.D

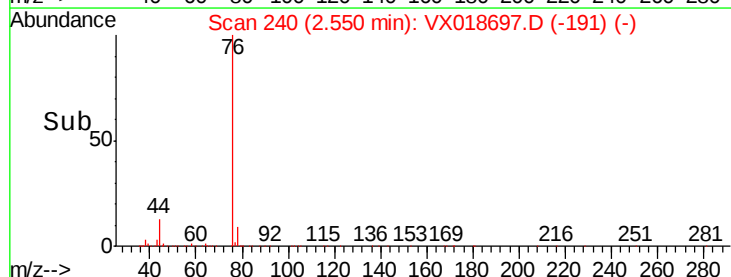
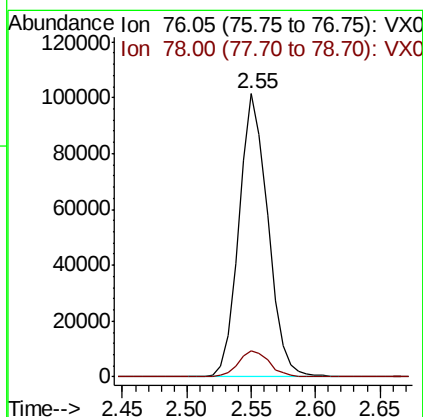
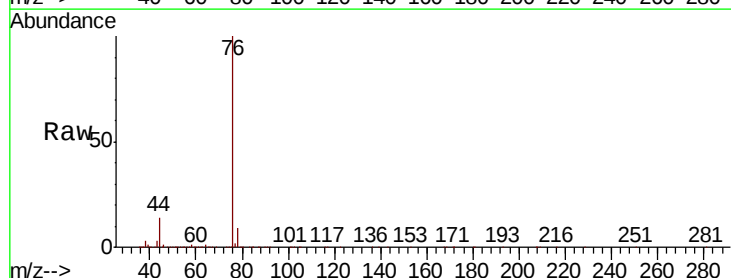
Acq: 30 Sep 2020 14:10

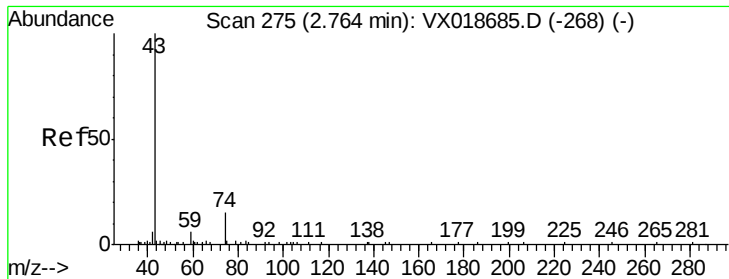
Tgt Ion: 76 Resp: 157760

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methyl Acetate

Concen: 5.287 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

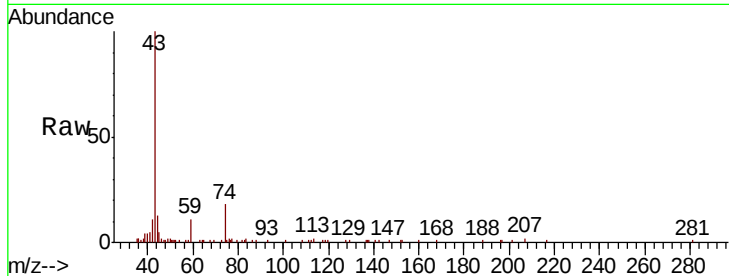
ClientSampleId :

Tot Ion: 43 Resp: 23279

Ion Ratio Lower Upper

43 100

74 24.2 21.2 31.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

10000

8000

6000

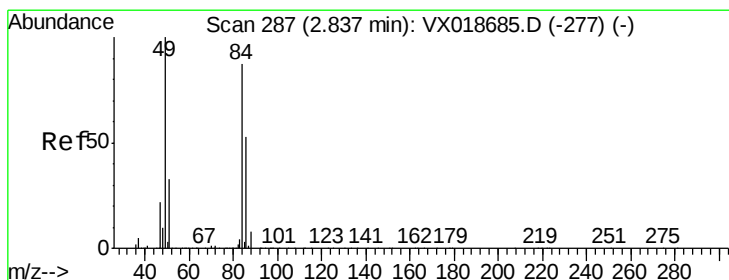
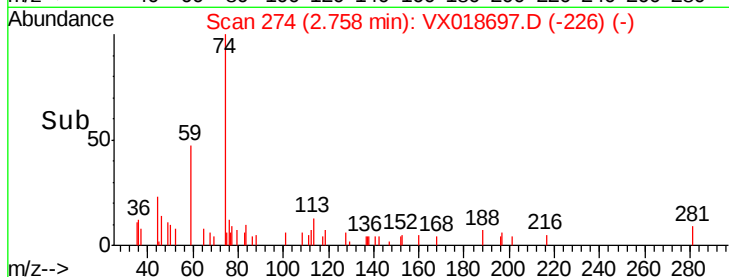
4000

2000

0

2.70 2.76 2.80 2.90

Time-->



#16

Methylene chloride

Concen: 3.984 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

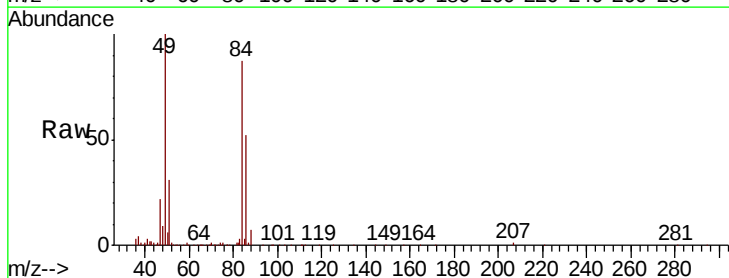
Tgt Ion: 84 Resp: 57240

Ion Ratio Lower Upper

84 100

86 60.0 41.9 77.7

49 114.9 80.8 150.2



Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

50000

40000

30000

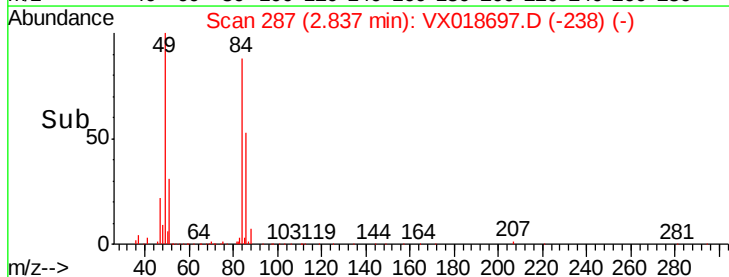
20000

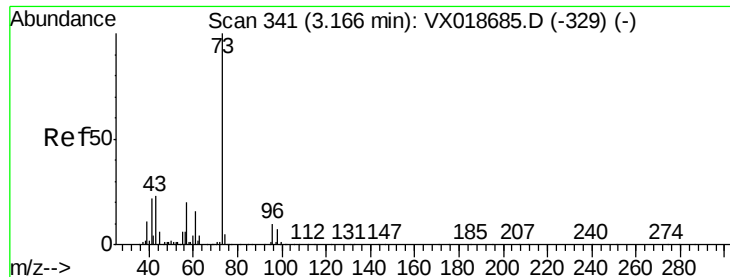
10000

0

2.75 2.80 2.84 2.90

Time-->



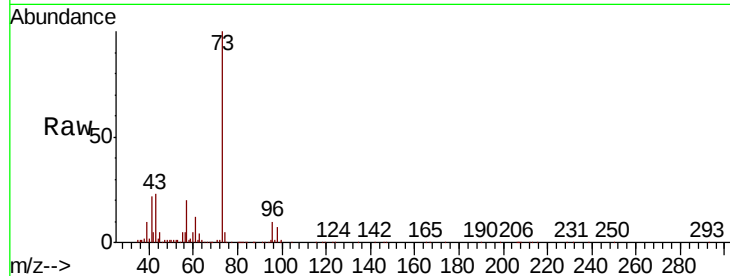


#17

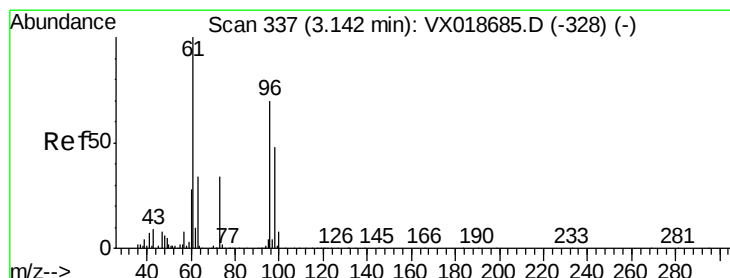
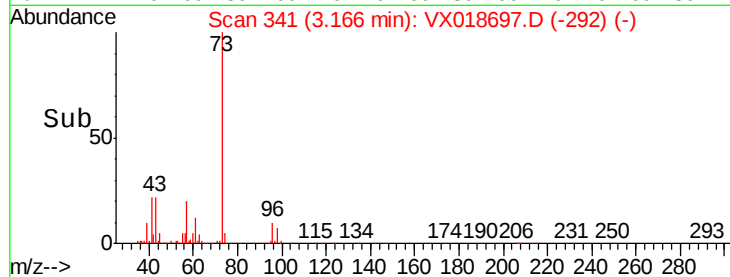
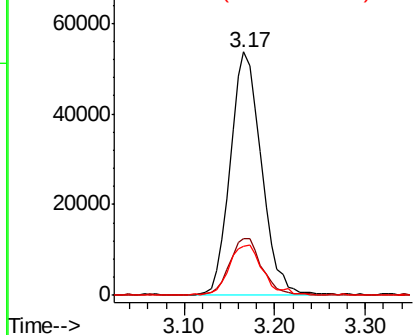
Methyl tert-butyl Ether
 Concen: 5.466 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	73	Resp	127930
Ion Ratio	Lower	Upper	
73	100		
43	24.7	18.6	27.8
57	21.8	17.3	25.9



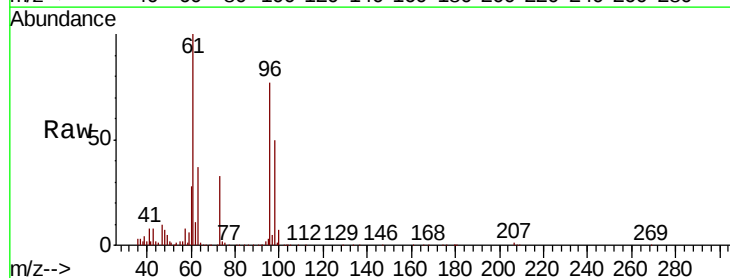
Abundance Ion 73.10 (72.80 to 73.80): VX0
 Ion 43.05 (42.75 to 43.75): VX0
 Ion 57.10 (56.80 to 57.80): VX0



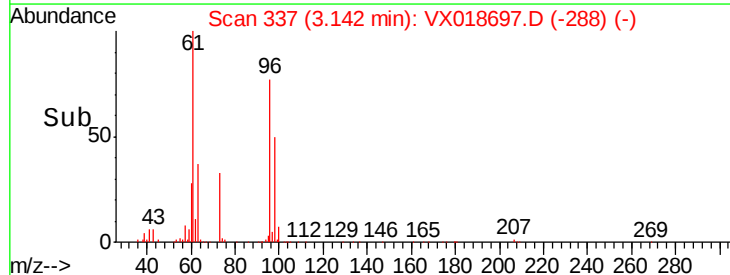
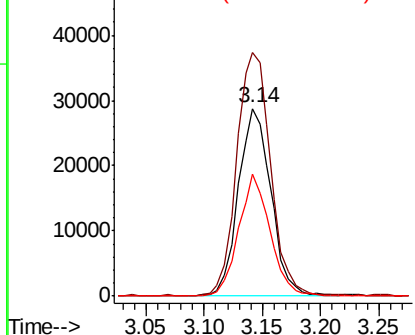
#18

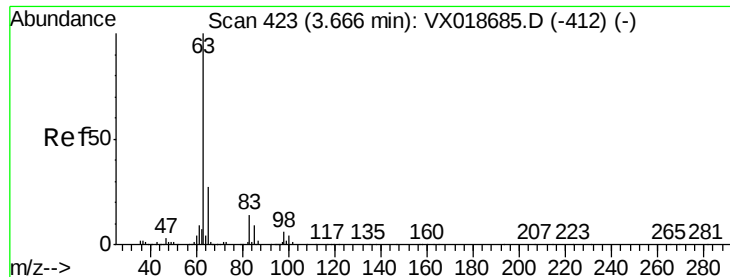
trans-1,2-Dichloroethene
 Concen: 5.368 ug/L
 RT: 3.14 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

Tgt Ion	96	Resp	56425
Ion Ratio	Lower	Upper	
96	100		
61	129.6	97.3	180.7
98	64.9	46.6	86.6



Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 97.95 (97.65 to 98.65): VX0

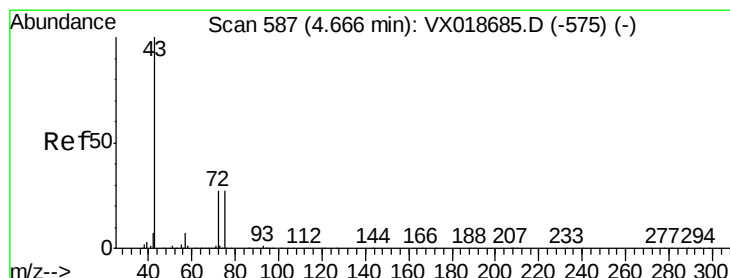
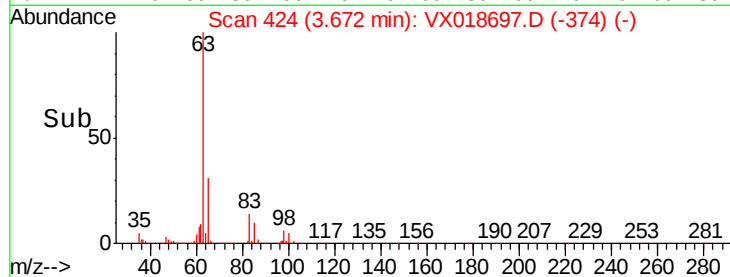
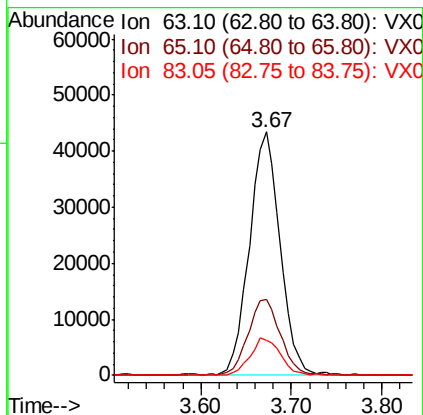
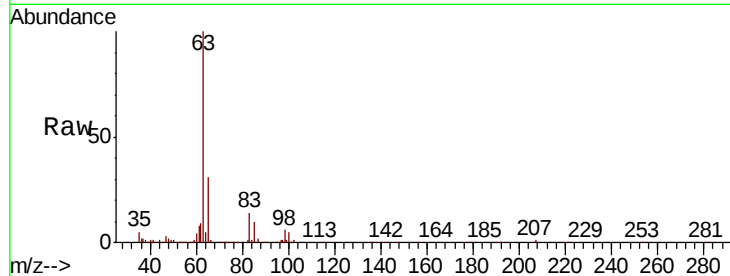




#19
 1,1-Dichloroethane
 Concen: 5.392 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

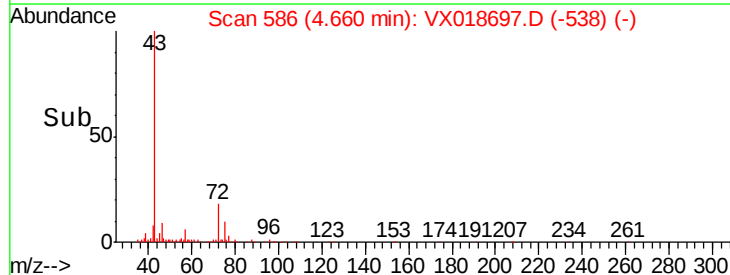
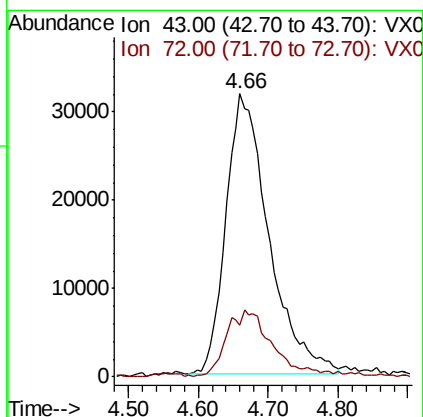
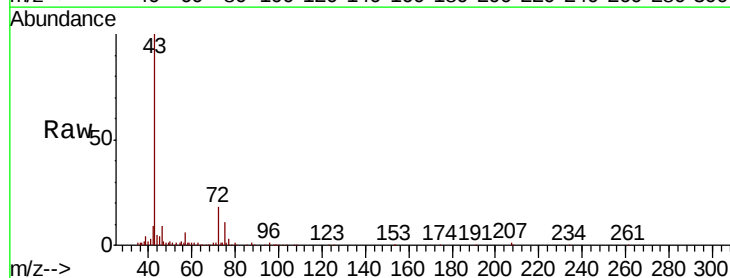
Instrument :
 MSVOA_X
 ClientSampleId :

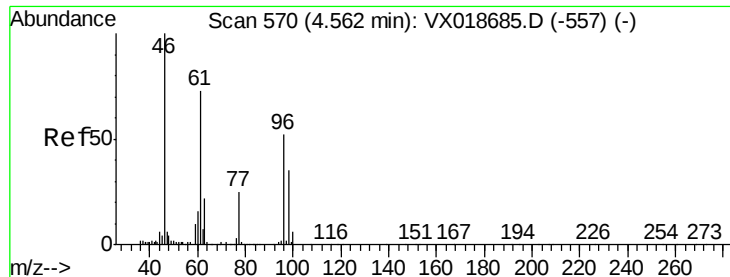
Tot Ion: 63 Resp: 101641
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.7 42.1
 83 14.1 9.3 17.3



#21
 2-Butanone
 Concen: 53.597 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

Tgt Ion: 43 Resp: 135335
 Ion Ratio Lower Upper
 43 100
 72 25.3 5.2 15.6#



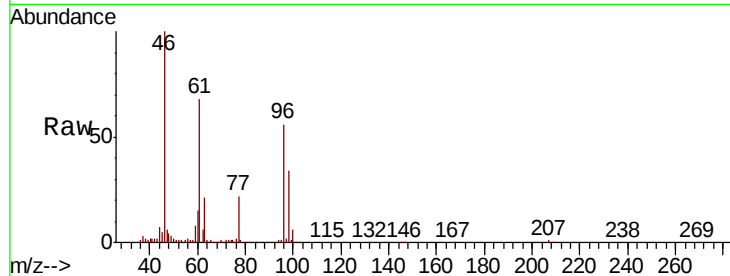


#22

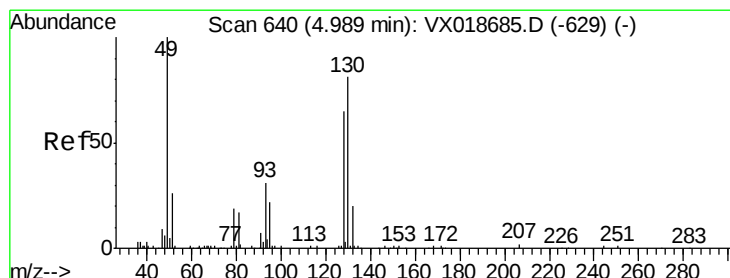
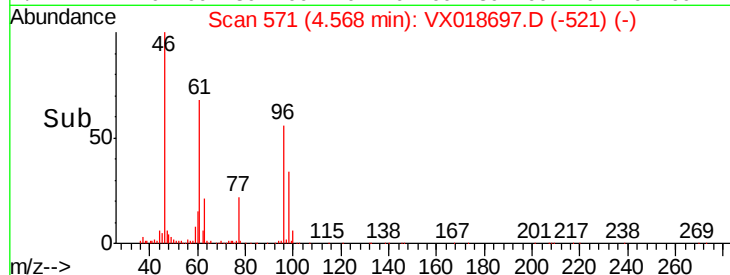
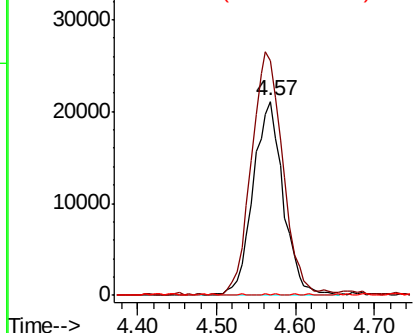
cis-1,2-Dichloroethene
Concen: 5.107 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 56006
Ion Ratio Lower Upper
96 100
61 120.9 87.7 162.9
68 0.3 0.3 0.7#



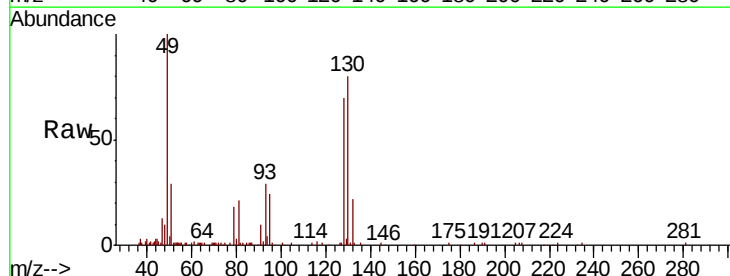
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



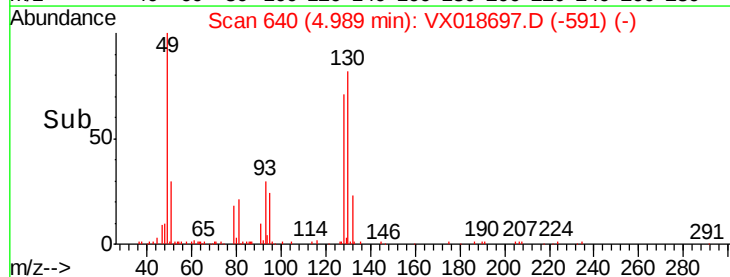
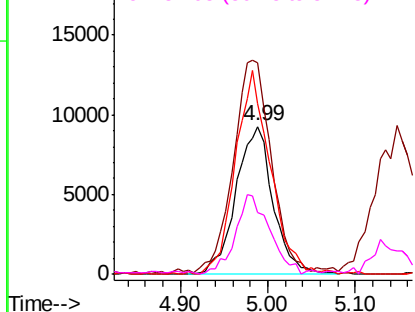
#23

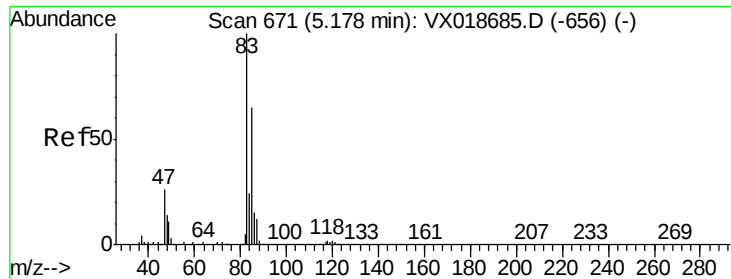
Bromochloromethane
Concen: 5.155 ug/L
RT: 4.99 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Tgt Ion: 128 Resp: 27106
Ion Ratio Lower Upper
128 100
49 143.4 105.2 195.4
130 115.3 100.6 186.8
51 42.0 35.8 53.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VX0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VX0

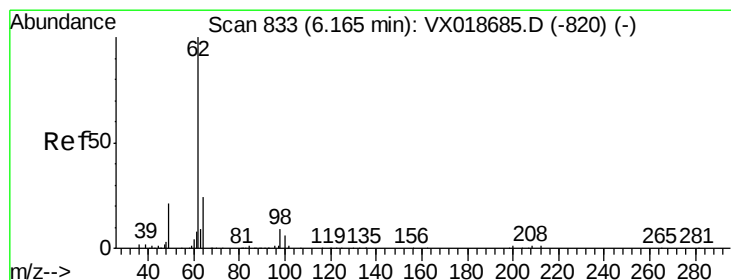
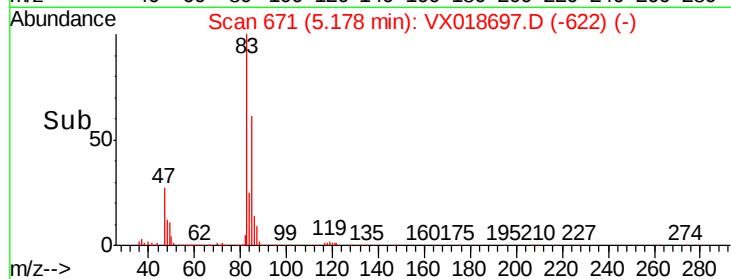
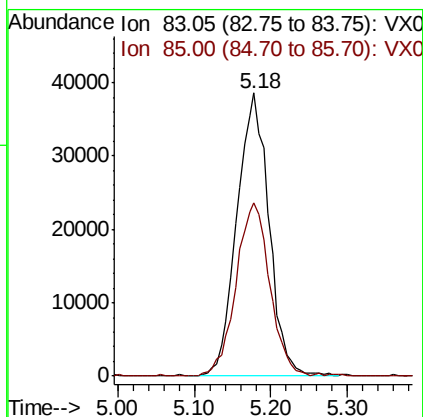
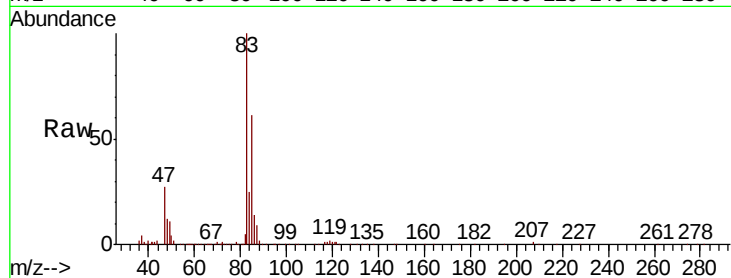




#25
Chloroform
Concen: 5.436 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

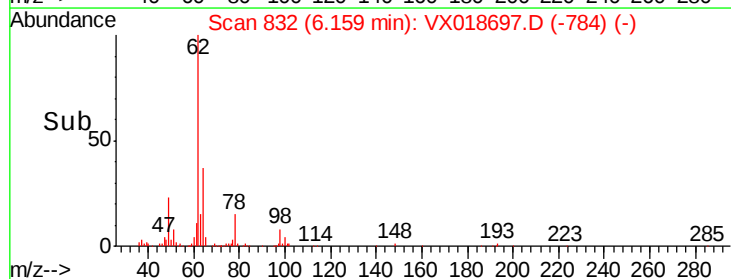
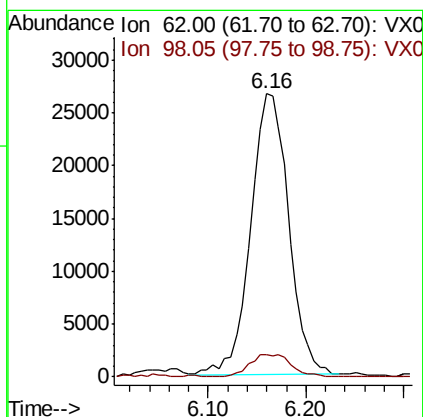
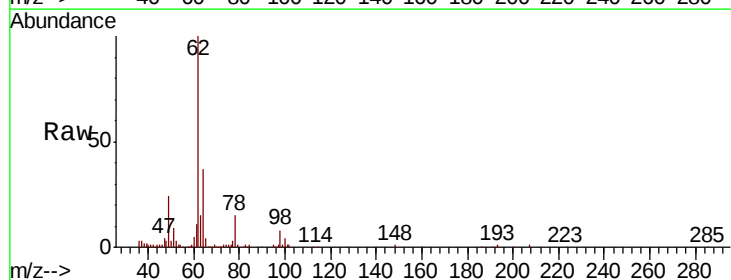
Instrument :
MSVOA_X
ClientSampleId :

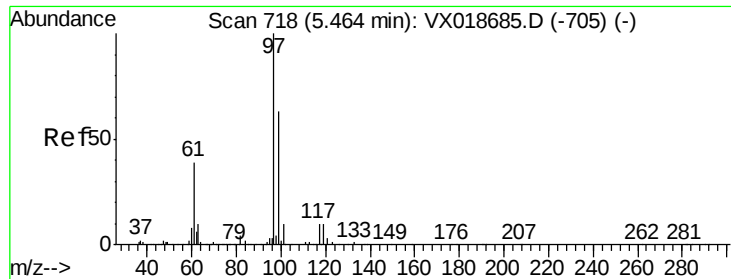
Tot Ion: 83 Resp: 112001
Ion Ratio Lower Upper
83 100
85 61.4 41.8 77.6



#27
1,2-Dichloroethane
Concen: 5.513 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Tgt Ion: 62 Resp: 71853
Ion Ratio Lower Upper
62 100
98 7.7 7.0 10.4

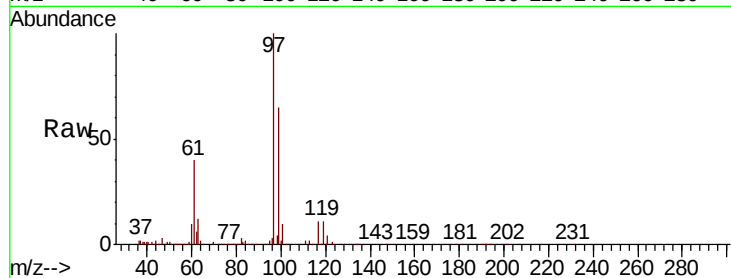




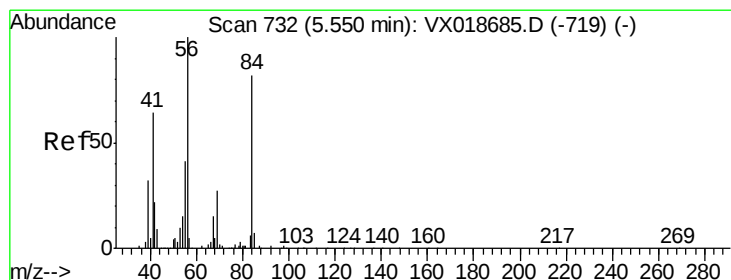
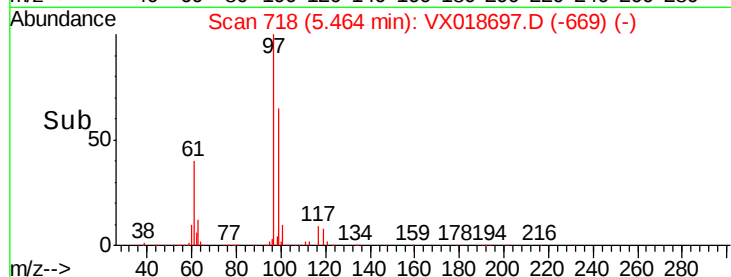
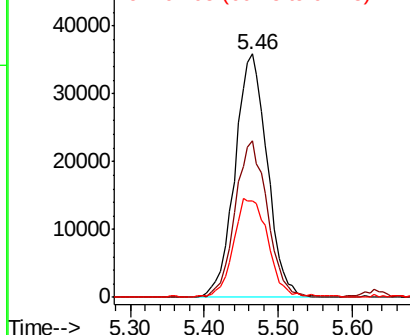
#29
1,1,1-Trichloroethane
Concen: 5.510 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 108874
Ion Ratio Lower Upper
97 100
99 64.5 50.0 75.0
61 43.4 33.9 50.9

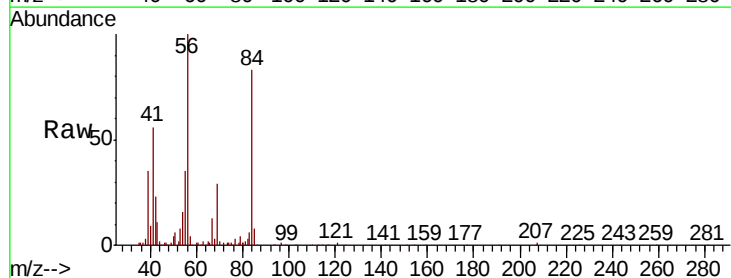


Abundance Ion 96.95 (96.65 to 97.65): VX0
Ion 99.05 (98.75 to 99.75): VX0
Ion 61.05 (60.75 to 61.75): VX0

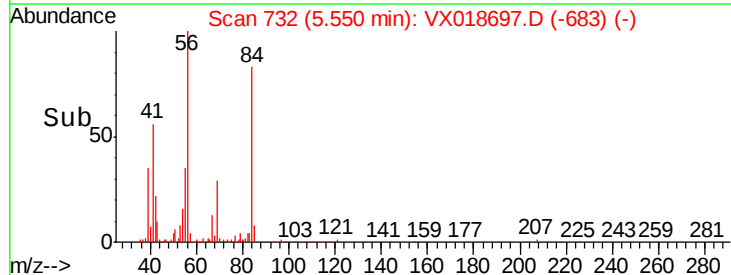
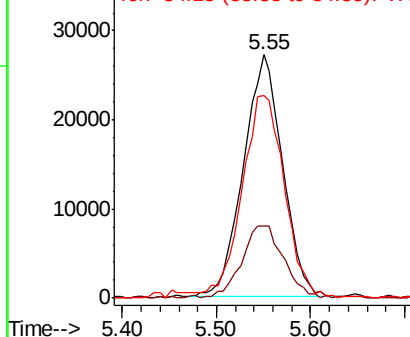


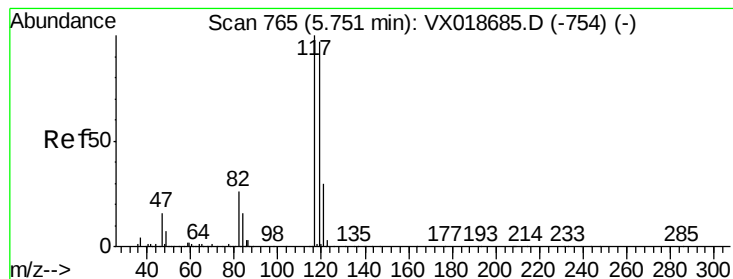
#30
Cyclohexane
Concen: 5.044 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Tgt Ion: 56 Resp: 79291
Ion Ratio Lower Upper
56 100
69 31.6 26.4 39.6
84 90.5 72.7 109.1



Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 5.477 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

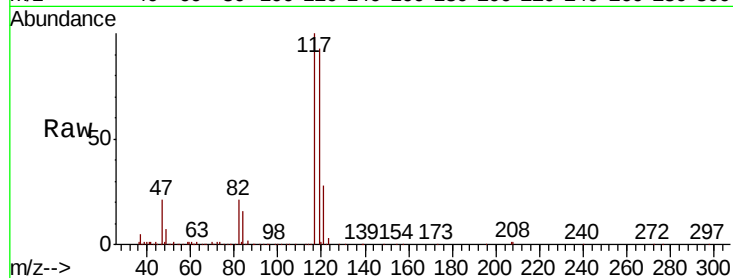
ClientSampleId :

Tot Ion:117 Resp: 99798

Ion Ratio Lower Upper

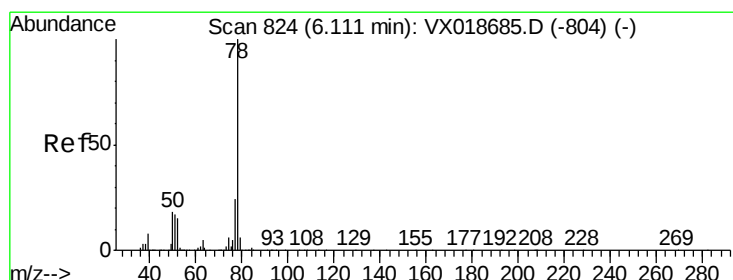
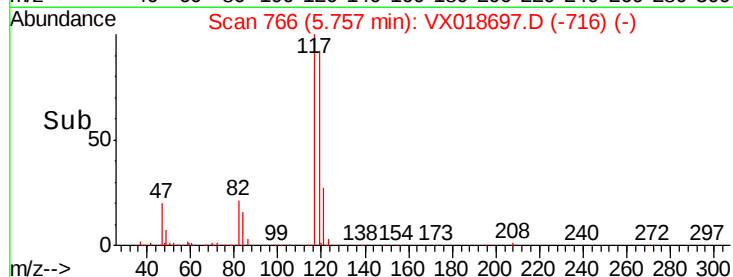
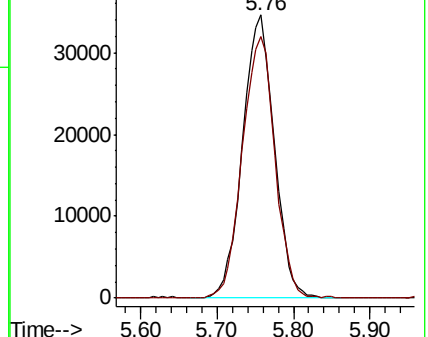
117 100

119 94.8 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.416 ug/L

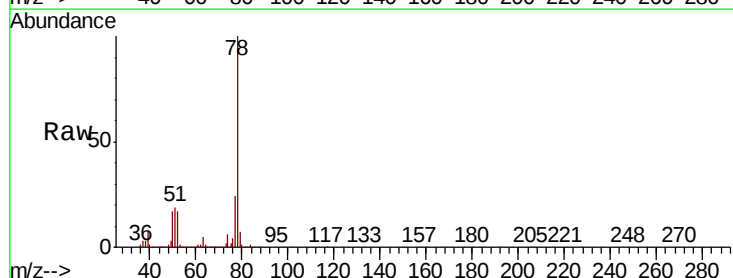
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

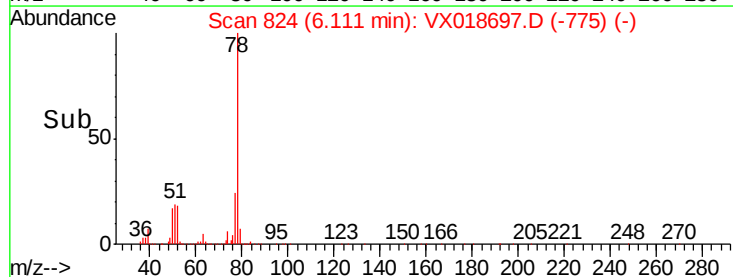
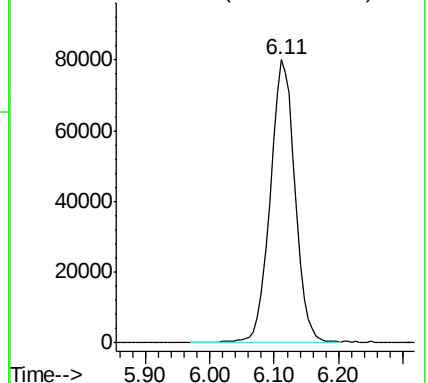
Lab File: VX018697.D

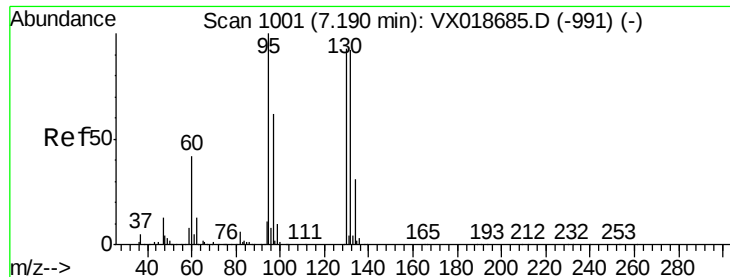
Acq: 30 Sep 2020 14:10

Tgt Ion: 78 Resp: 216651



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 5.157 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 59691

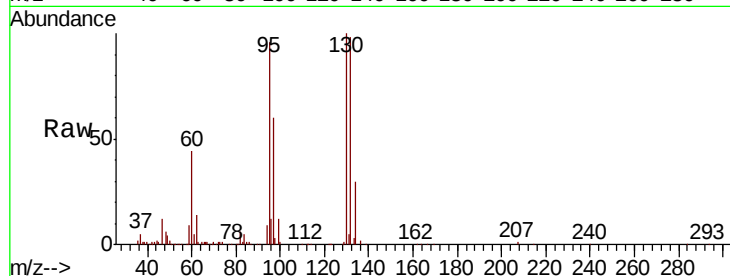
Ion Ratio Lower Upper

95 100

97 62.6 40.6 75.4

132 102.3 64.3 119.5

130 104.2 70.6 131.0

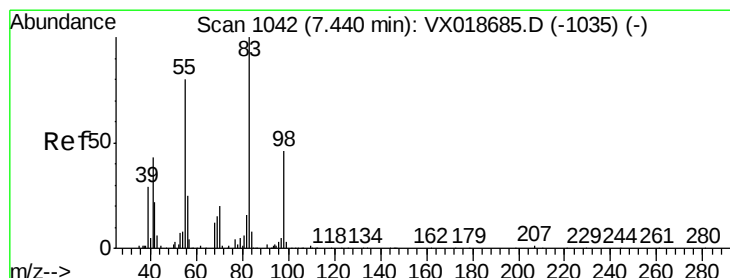
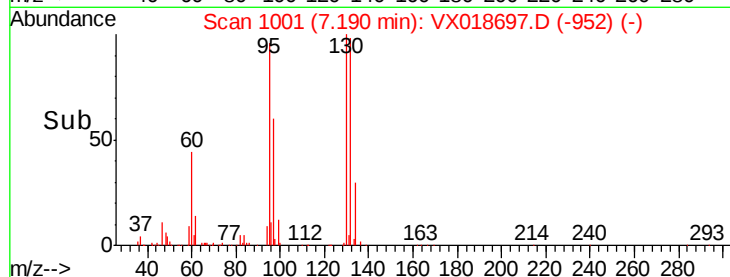
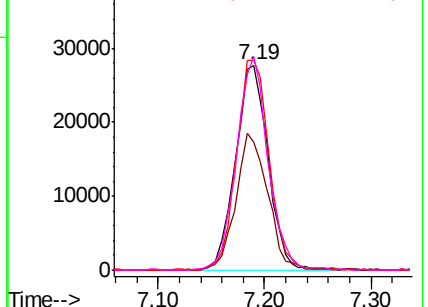


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.101 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

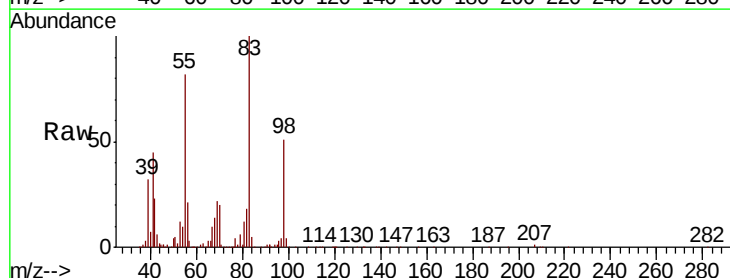
Tgt Ion: 83 Resp: 82118

Ion Ratio Lower Upper

83 100

55 81.8 67.4 101.0

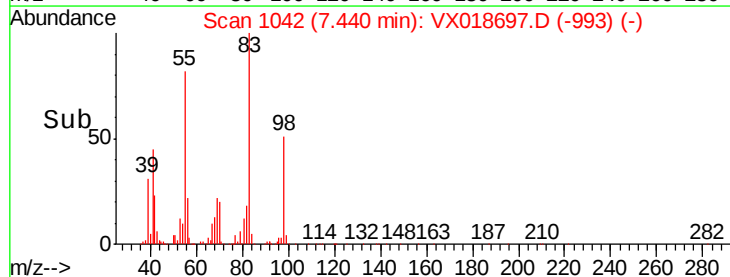
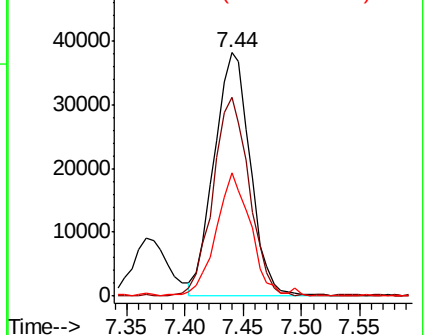
98 47.9 41.1 61.7

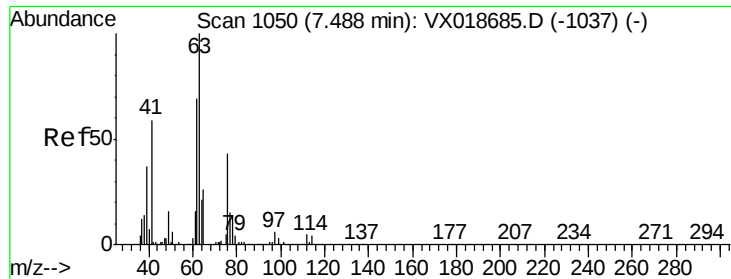


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 5.250 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

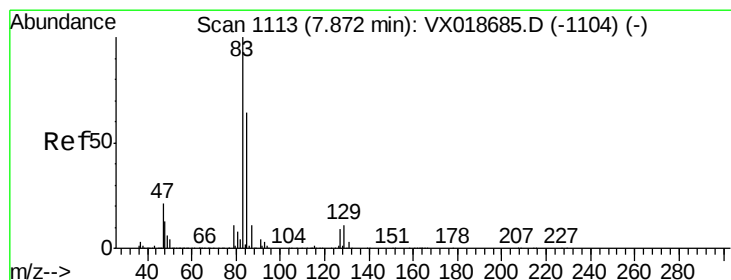
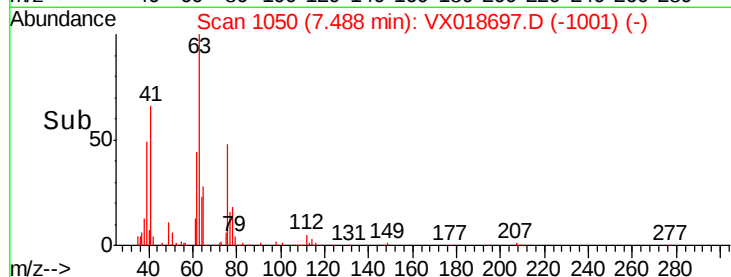
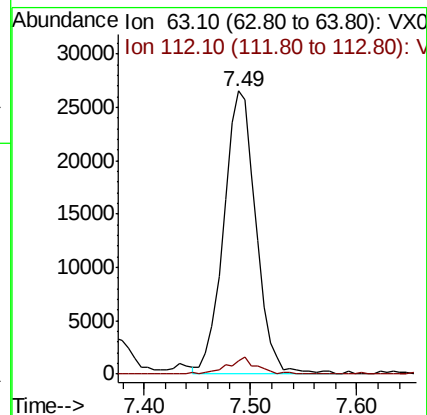
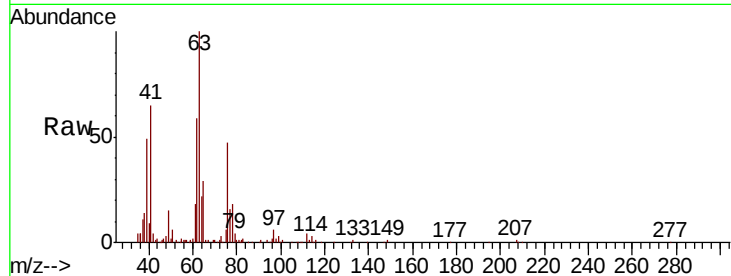
ClientSampleId :

Tot Ion: 63 Resp: 56033

Ion Ratio Lower Upper

63 100

112 5.2 4.1 6.1



#38

Bromodichloromethane

Concen: 5.558 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

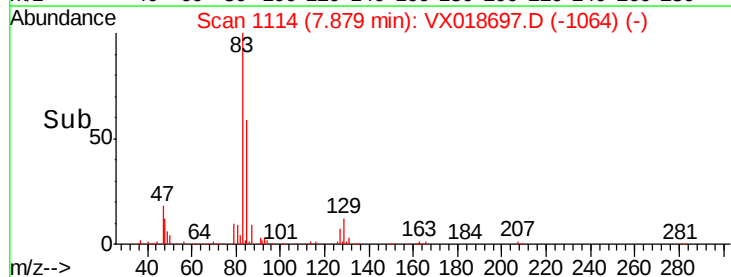
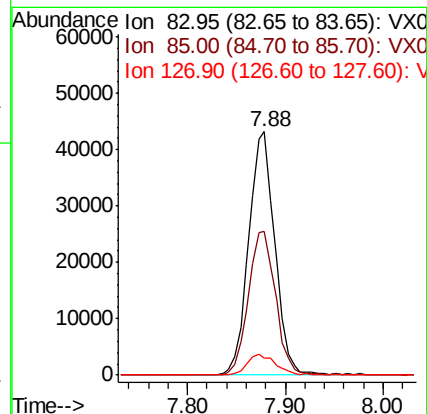
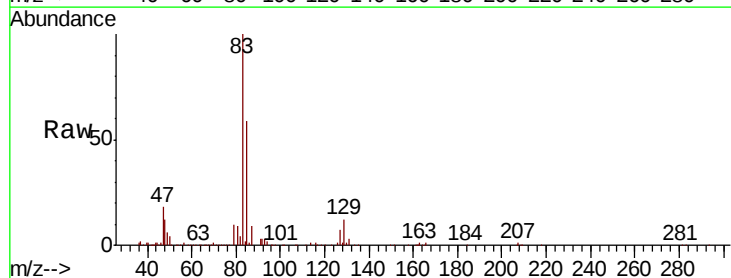
Tgt Ion: 83 Resp: 80075

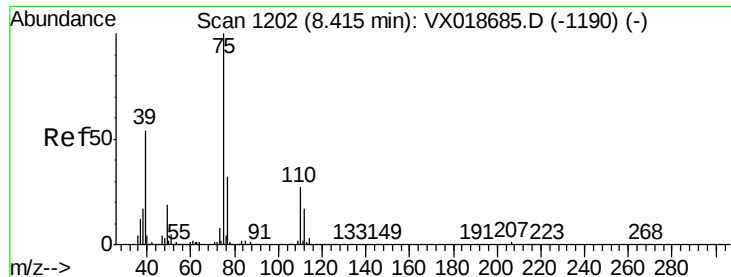
Ion Ratio Lower Upper

83 100

85 59.1 45.2 84.0

127 6.9 8.2 12.2#





#39

cis-1,3-Dichloropropene

Concen: 5.133 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

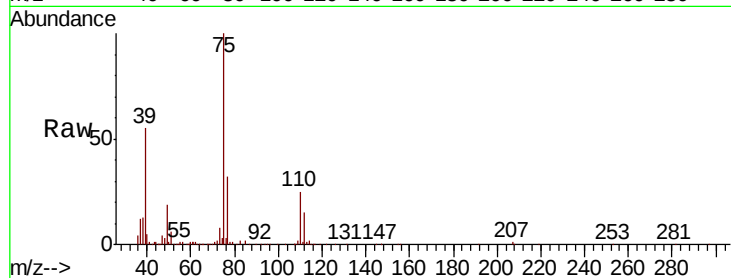
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 77695

Ion Ratio Lower Upper

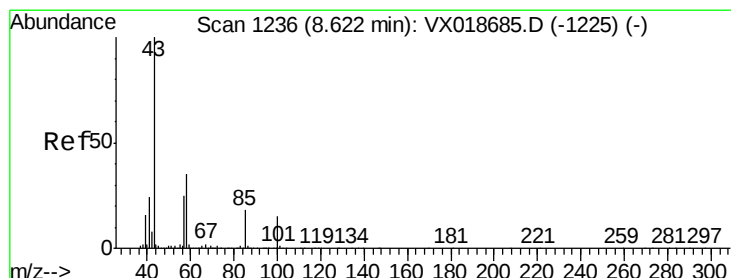
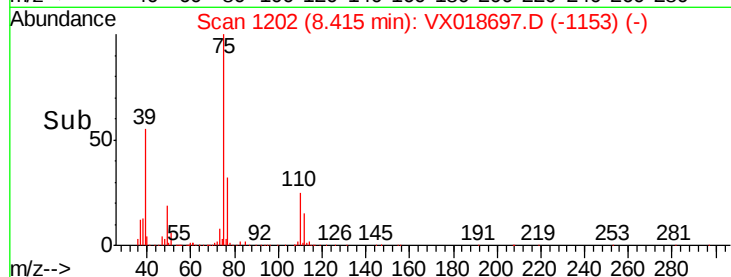
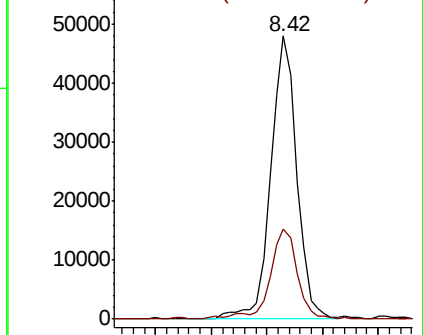
75 100

77 32.0 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



#40

4-Methyl-2-pentanone

Concen: 55.158 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

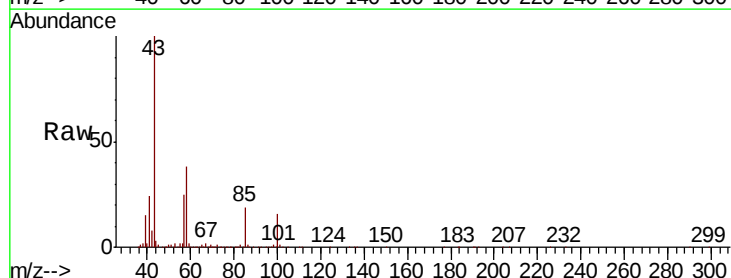
Tgt Ion: 43 Resp: 326295

Ion Ratio Lower Upper

43 100

58 38.0 30.2 45.4

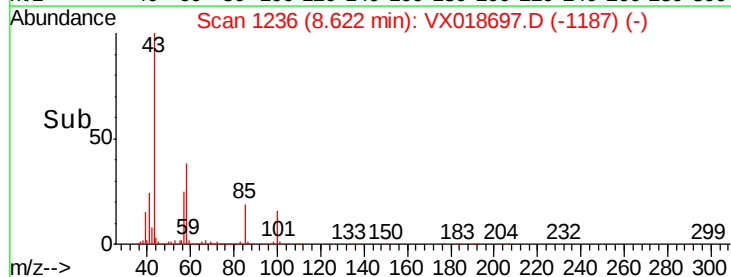
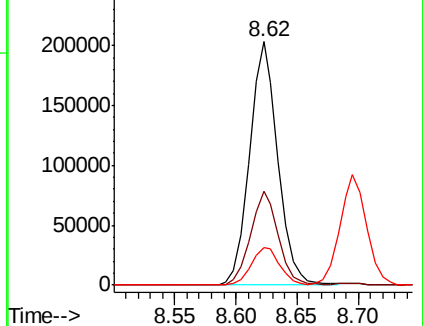
100 15.8 11.8 17.8

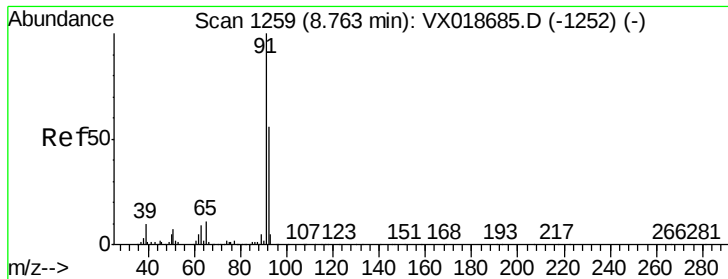


Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): VX0





#42

Toluene

Concen: 5.468 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

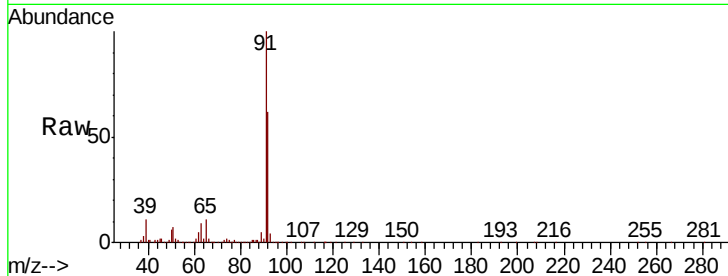
ClientSampleId :

Tot Ion: 91 Resp: 236259

Ion Ratio Lower Upper

91 100

92 61.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.76

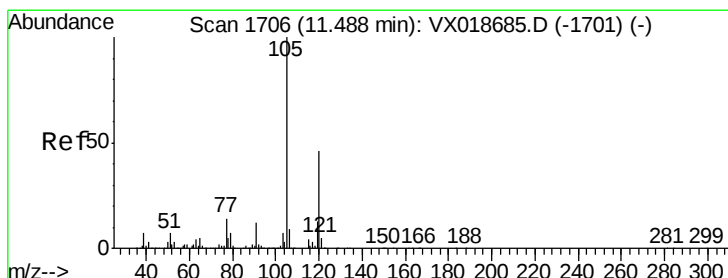
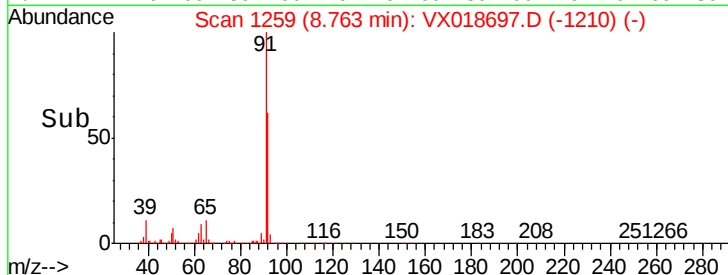
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.482 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX018697.D

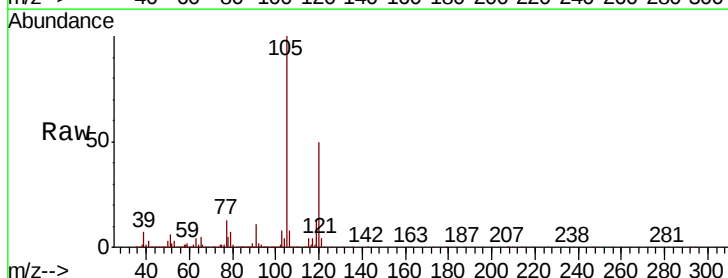
Acq: 30 Sep 2020 14:10

Tgt Ion: 105 Resp: 207091

Ion Ratio Lower Upper

105 100

120 47.7 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

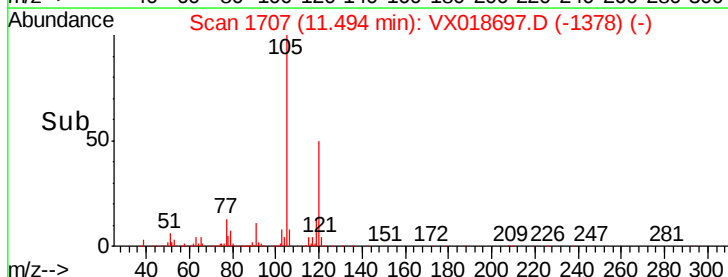
150000

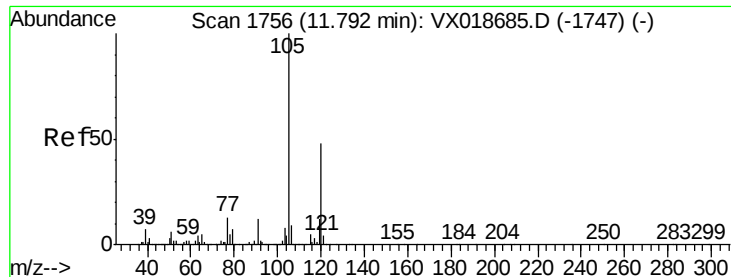
100000

50000

0

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 5.493 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

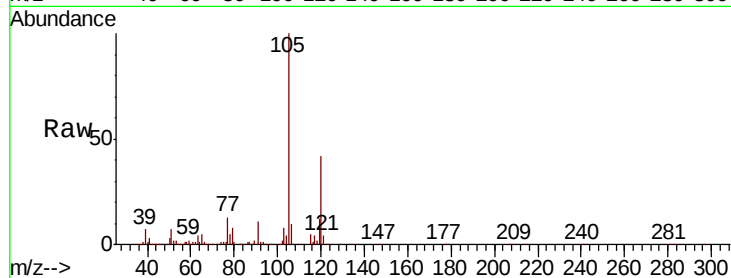
ClientSampleId :

Tot Ion:105 Resp: 207572

Ion Ratio Lower Upper

105 100

120 43.1 36.8 55.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

200000

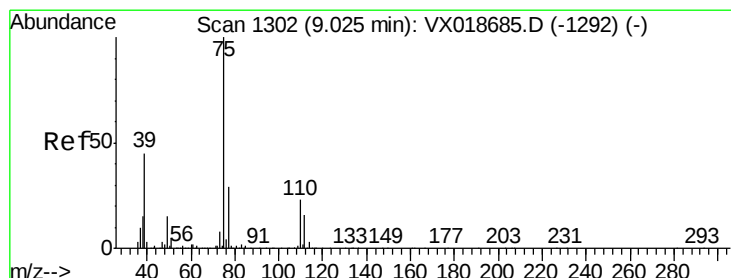
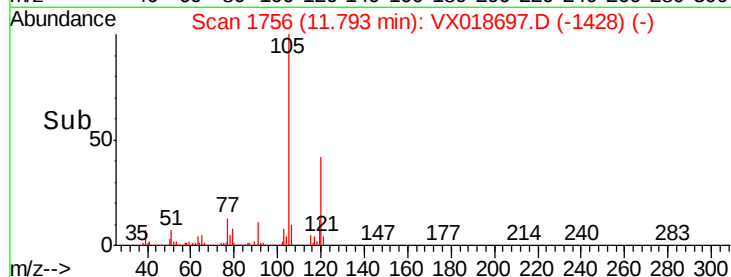
150000

100000

50000

0

Time-->



#46

trans-1,3-Dichloropropene

Concen: 5.205 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018697.D

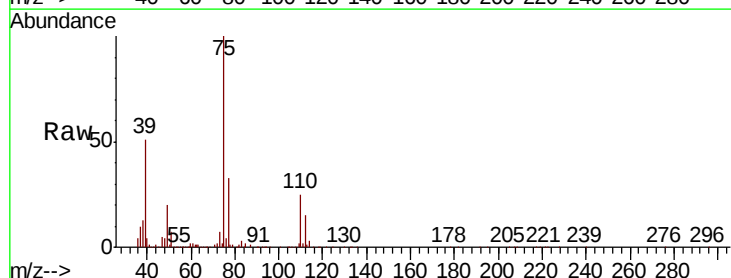
Acq: 30 Sep 2020 14:10

Tgt Ion: 75 Resp: 71857

Ion Ratio Lower Upper

75 100

77 33.0 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

9.02

50000

40000

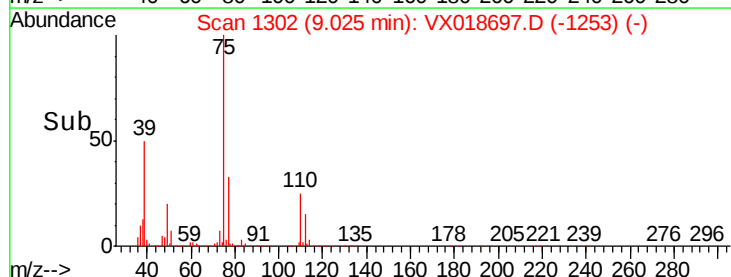
30000

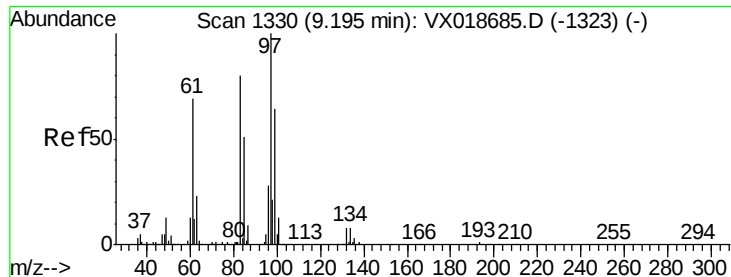
20000

10000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 5.259 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 40275

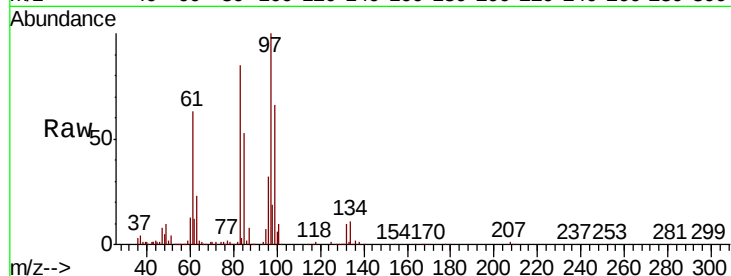
Ion Ratio Lower Upper

97 100

99 65.5 38.9 72.2

83 84.9 61.9 114.9

85 53.4 37.2 69.2



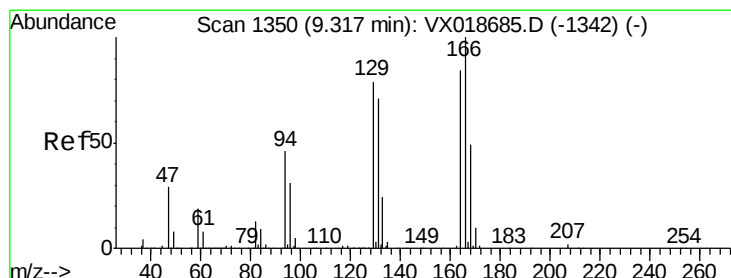
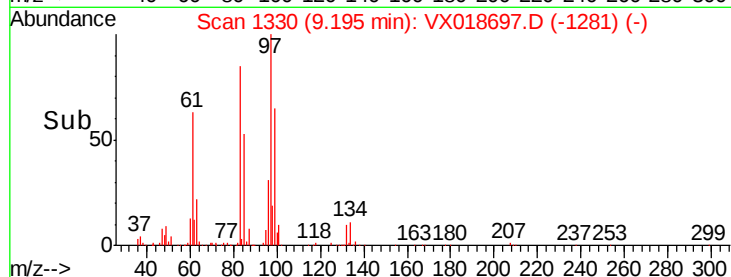
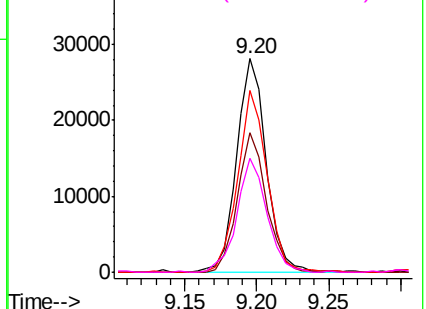
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#49

Tetrachloroethene

Concen: 5.589 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Tgt Ion: 164 Resp: 50935

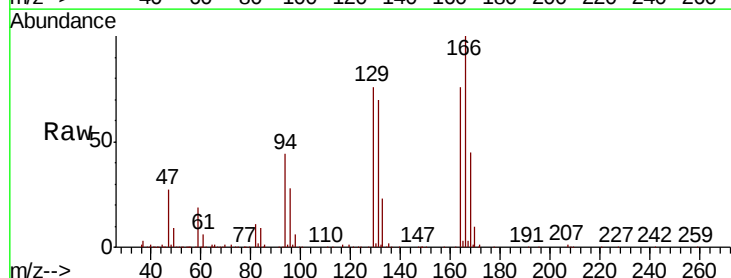
Ion Ratio Lower Upper

164 100

129 99.9 65.9 122.3

131 92.7 61.4 114.0

166 131.6 91.0 169.0



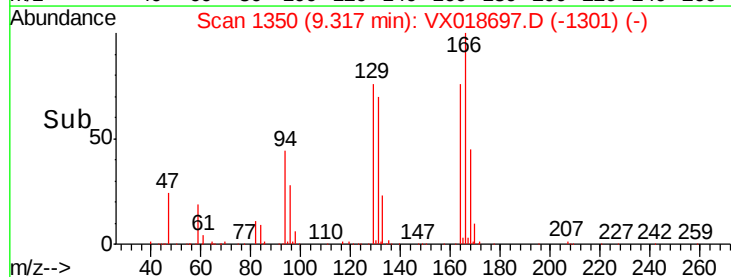
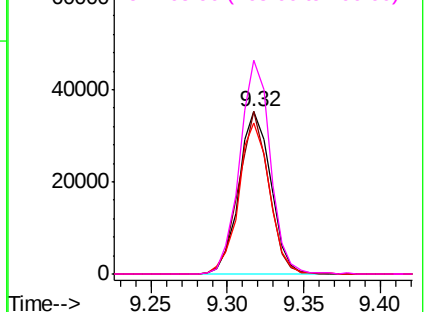
Abundance

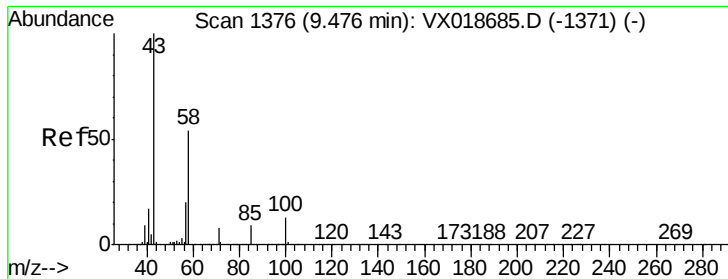
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

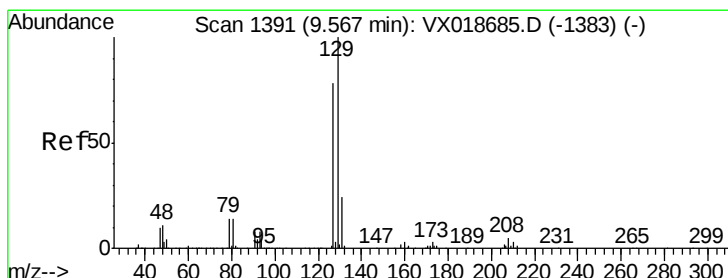
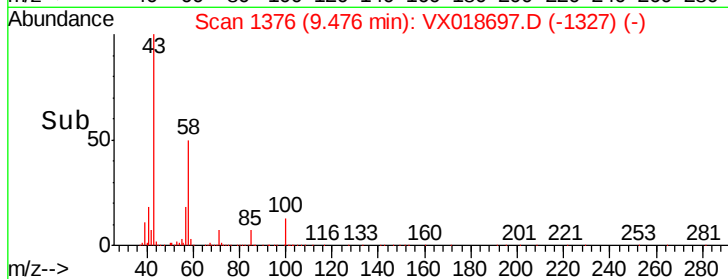
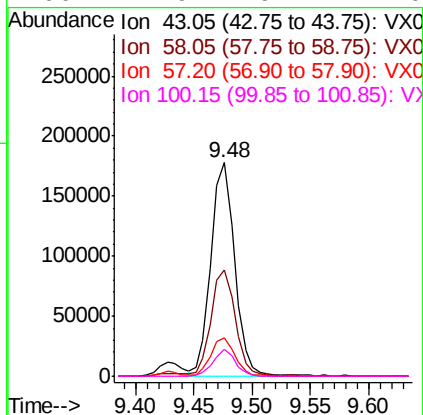
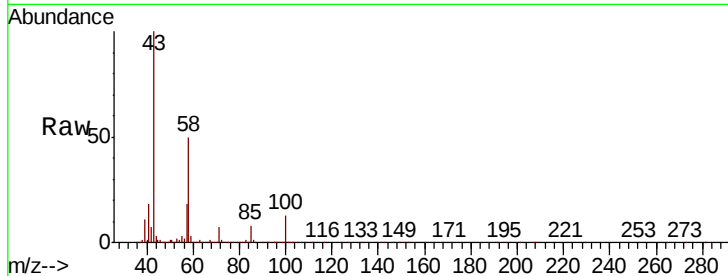




#50
2-Hexanone
Concen: 59.633 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

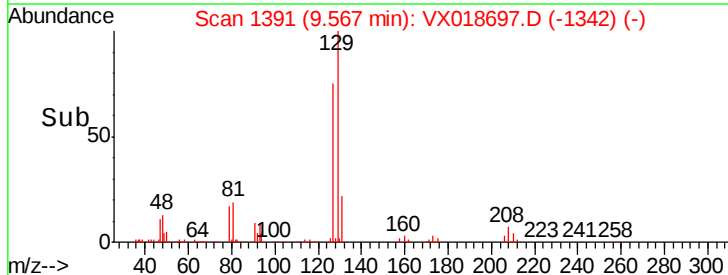
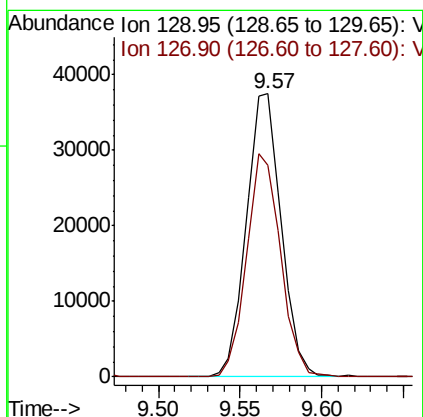
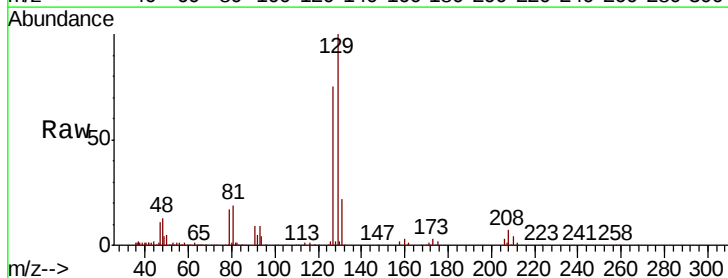
Instrument :
MSVOA_X
ClientSampleId :

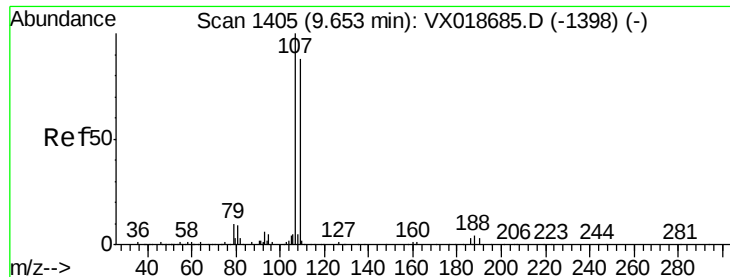
Tot Ion:	43	Resp:	249697
Ion	Ratio	Lower	Upper
43	100		
58	49.9	42.5	63.7
57	18.6	15.9	23.9
100	11.9	9.4	14.0



#51
Dibromochloromethane
Concen: 5.575 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Tgt Ion:	129	Resp:	55873
Ion	Ratio	Lower	Upper
129	100		
127	74.6	55.0	102.2





#52

1,2-Dibromoethane

Concen: 5.464 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

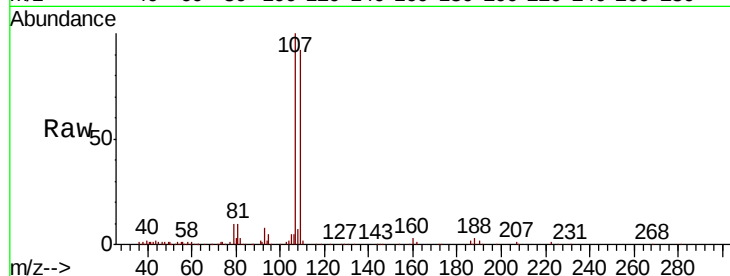
Tot Ion:107 Resp: 38988

Ion Ratio Lower Upper

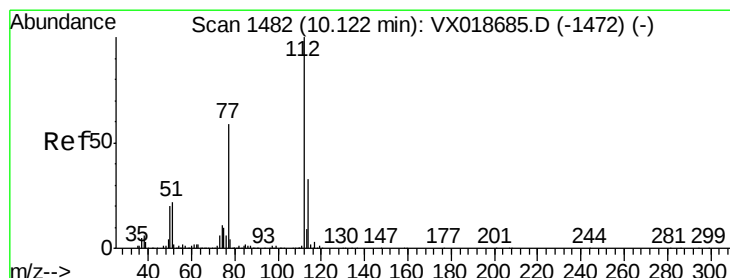
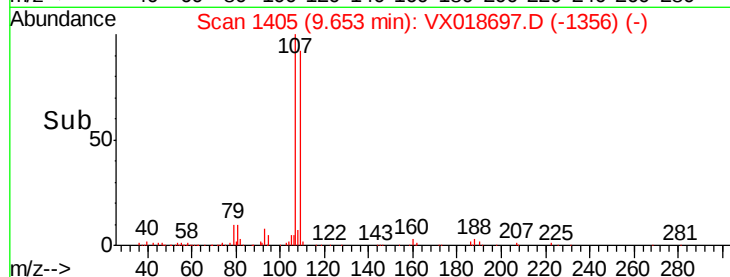
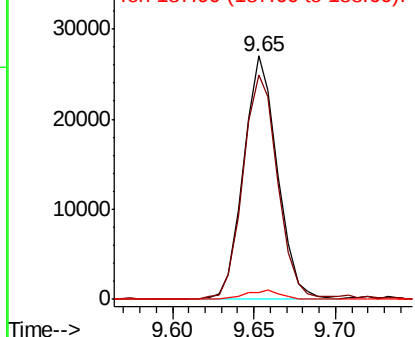
107 100

109 92.1 63.4 117.8

188 3.0 4.1 6.1#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.486 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

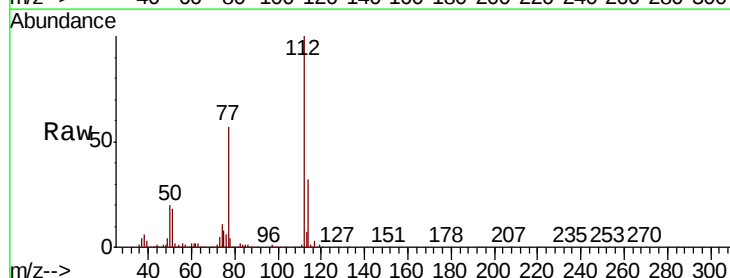
Tgt Ion:112 Resp: 156582

Ion Ratio Lower Upper

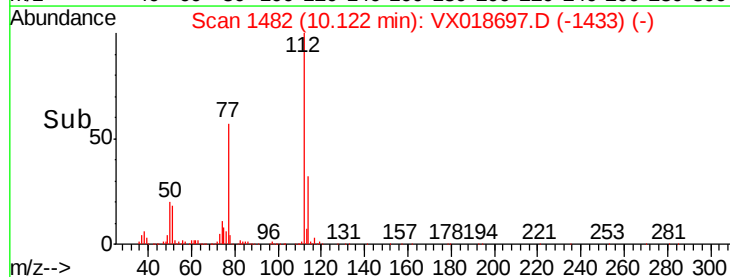
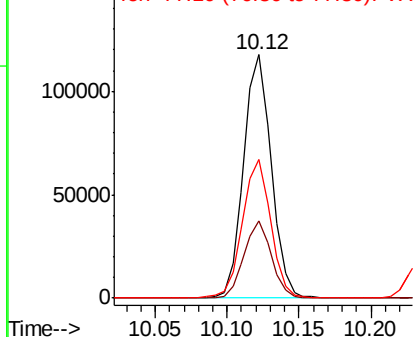
112 100

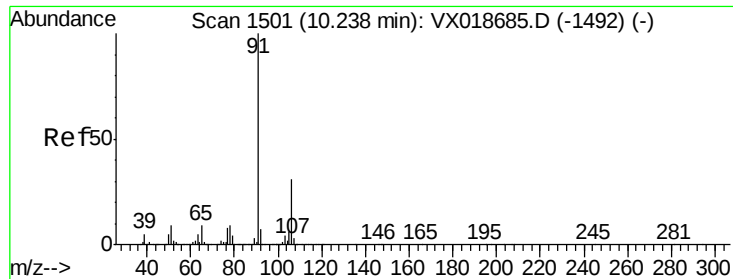
114 31.6 20.6 38.4

77 56.7 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.440 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

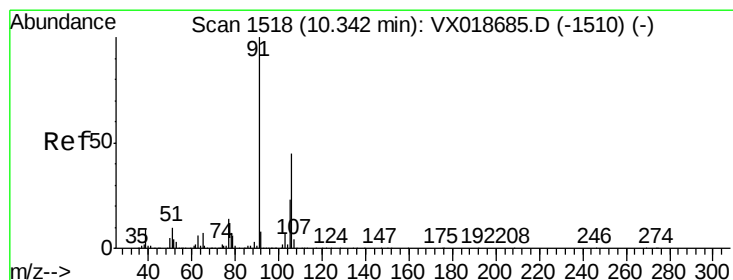
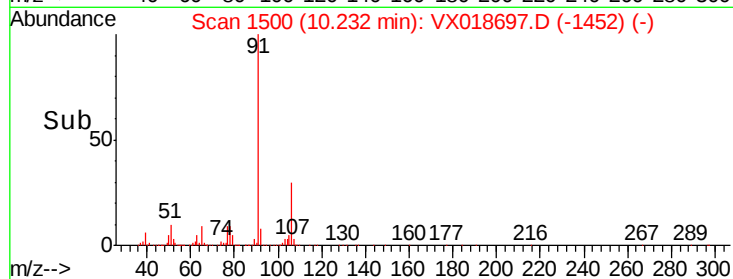
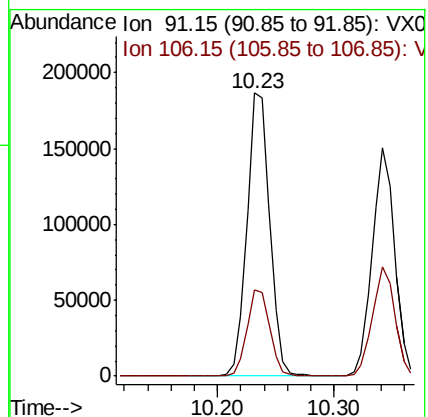
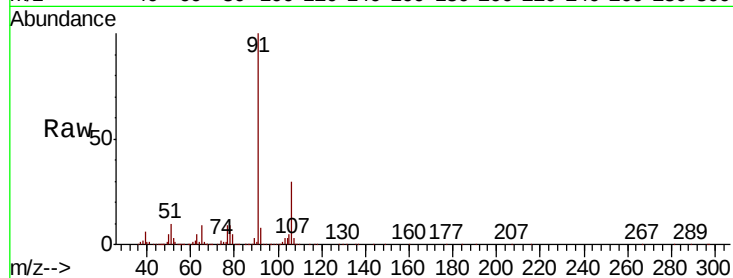
ClientSampleId :

Tot Ion: 91 Resp: 256040

Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



#55

m,p-xylene

Concen: 5.452 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018697.D

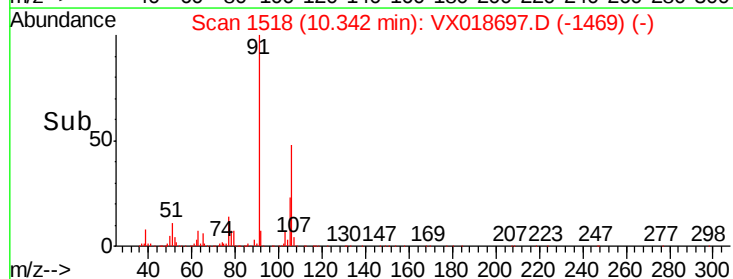
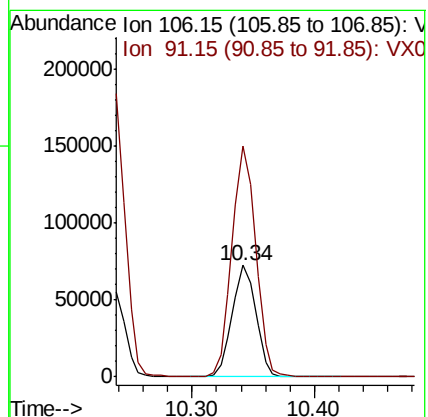
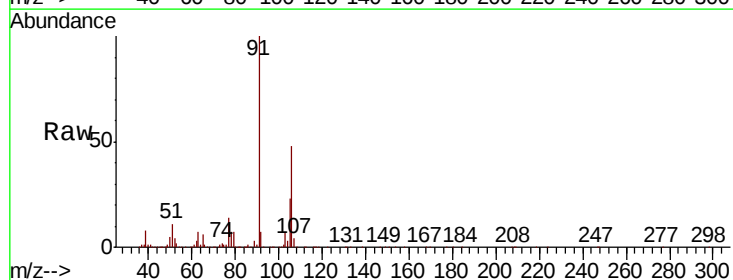
Acq: 30 Sep 2020 14:10

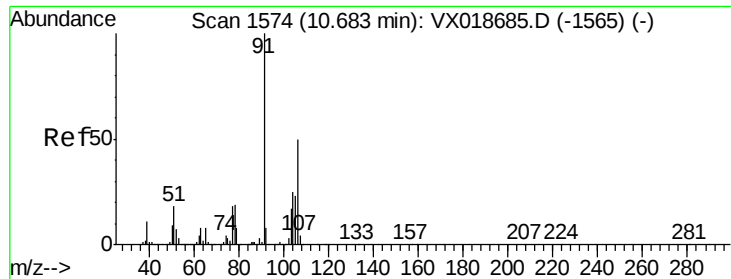
Tgt Ion:106 Resp: 98106

Ion Ratio Lower Upper

106 100

91 207.7 140.3 260.6

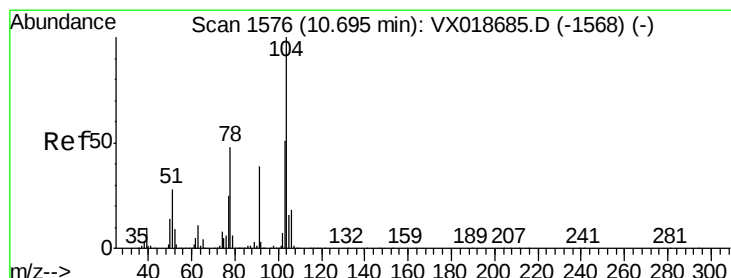
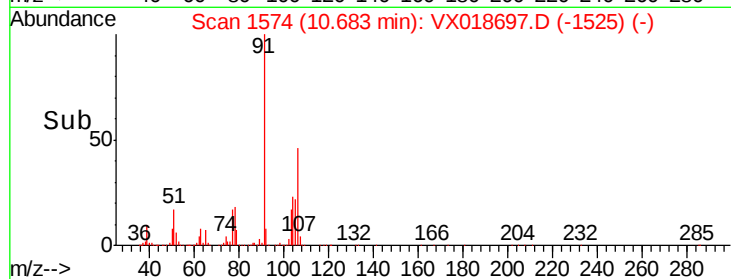
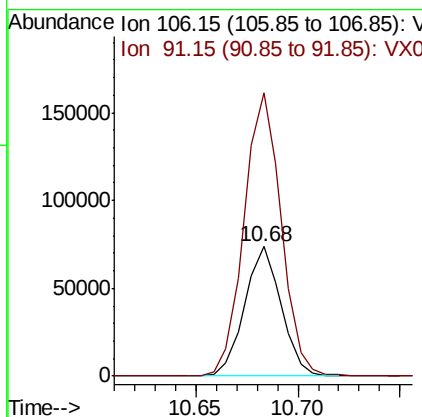
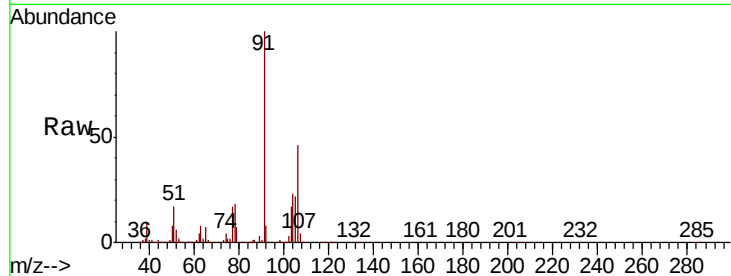




#56
o-xylene
Concen: 5.388 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

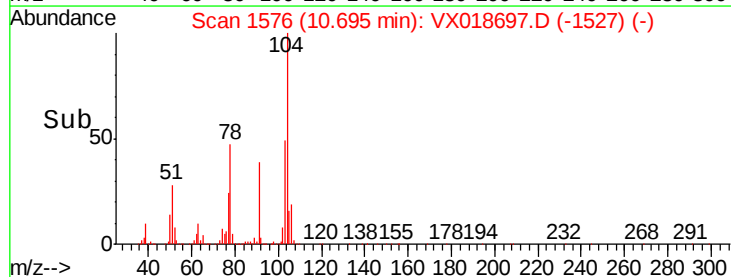
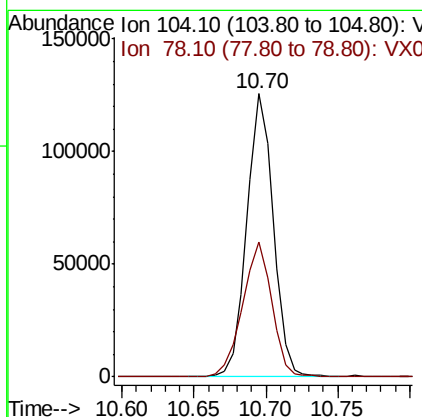
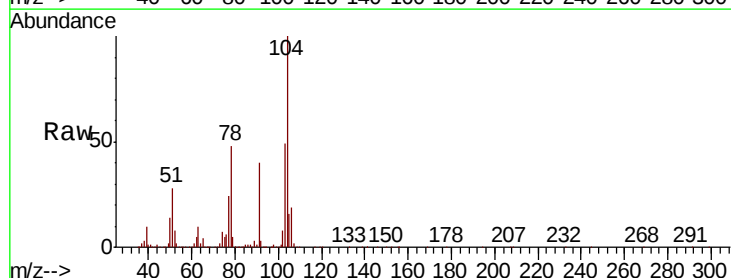
Instrument :
MSVOA_X
ClientSampleId :

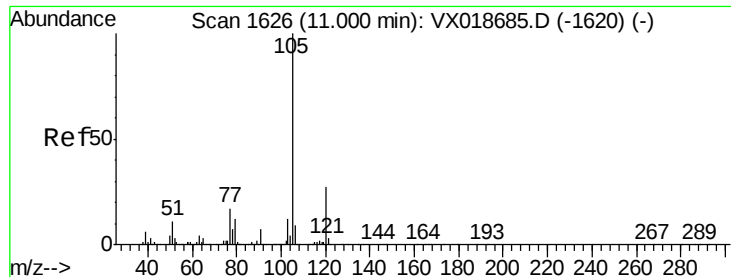
Tot Ion:106 Resp: 91617
Ion Ratio Lower Upper
106 100
91 218.7 167.5 311.1



#57
Styrene
Concen: 5.691 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018697.D
Acq: 30 Sep 2020 14:10

Tgt Ion:104 Resp: 159748
Ion Ratio Lower Upper
104 100
78 47.6 33.3 61.9





#58

Isopropylbenzene

Concen: 5.587 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampled :

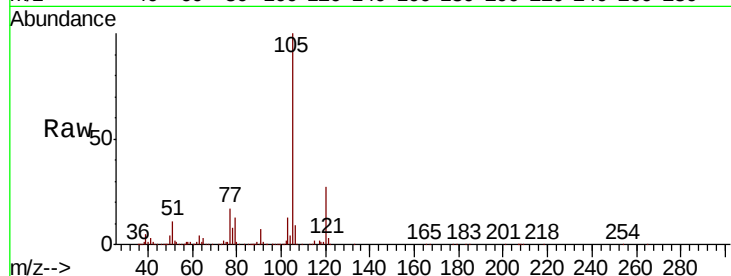
Tot Ion:105 Resp: 254700

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

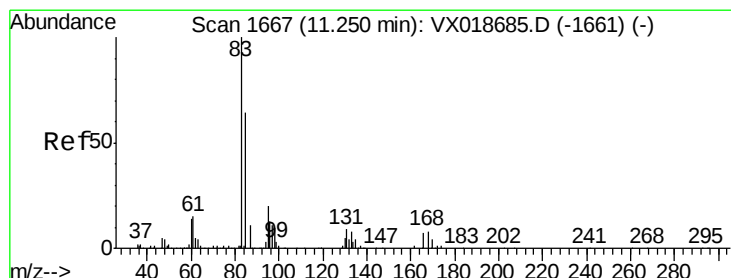
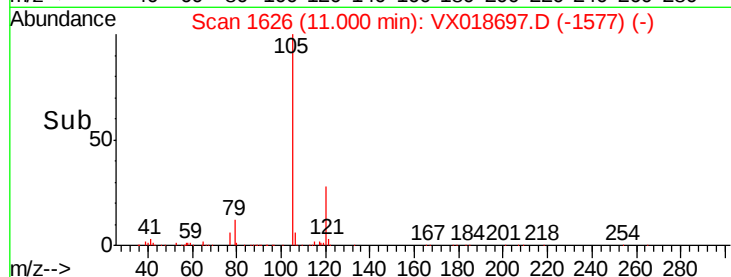
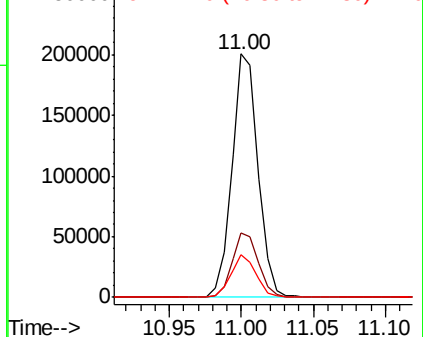
77 16.8 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.521 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

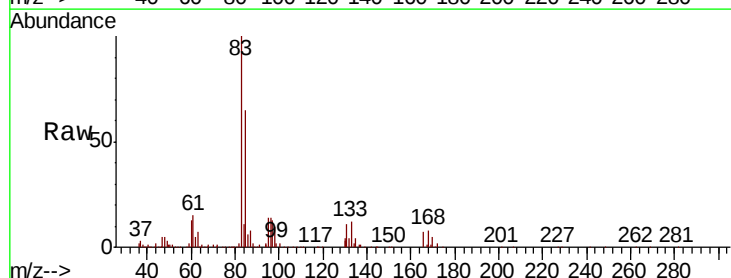
Tgt Ion: 83 Resp: 47761

Ion Ratio Lower Upper

83 100

85 64.8 48.5 90.1

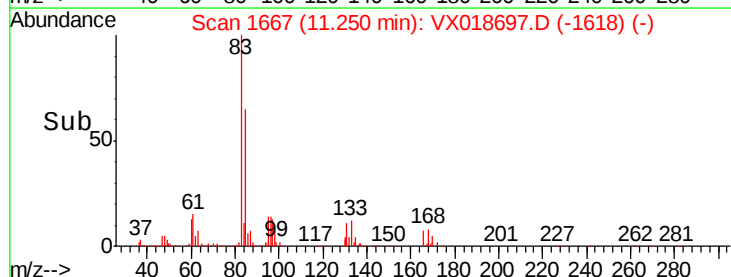
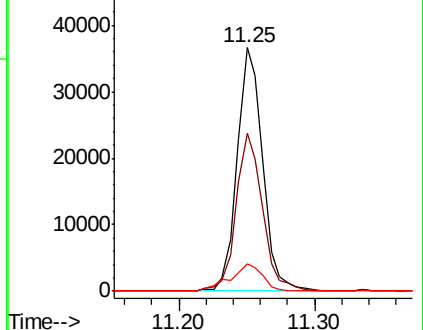
131 11.4 7.8 11.6

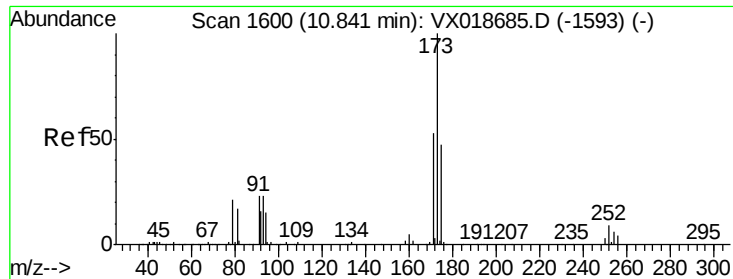


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.451 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

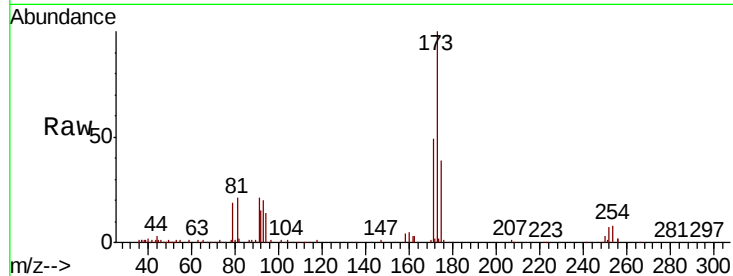
Tot Ion:173 Resp: 31791

Ion Ratio Lower Upper

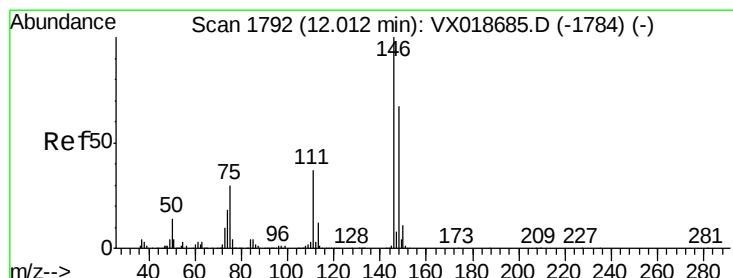
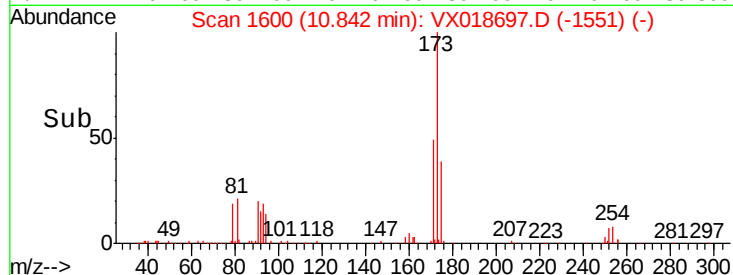
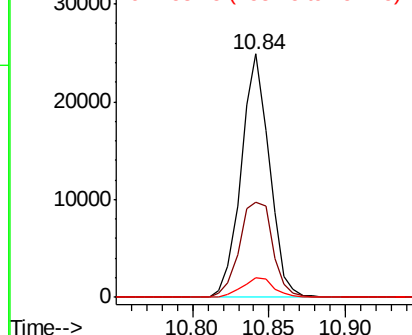
173 100

175 46.6 41.6 62.4

254 9.3 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.202 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

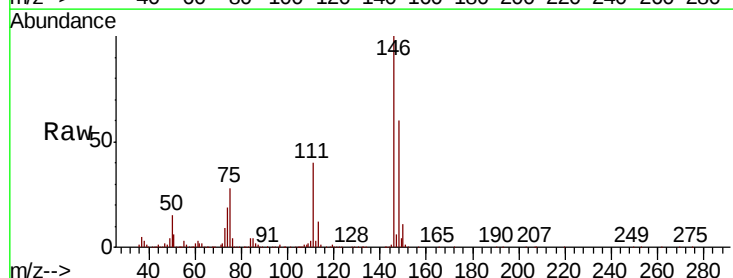
Tgt Ion:146 Resp: 123871

Ion Ratio Lower Upper

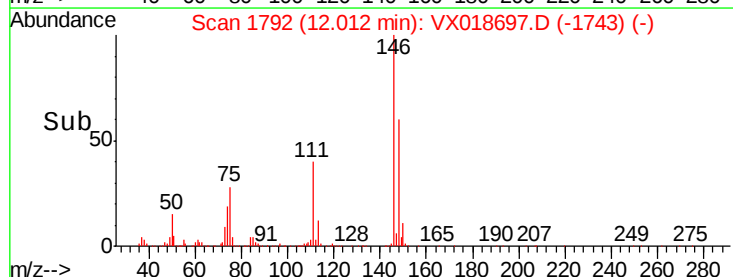
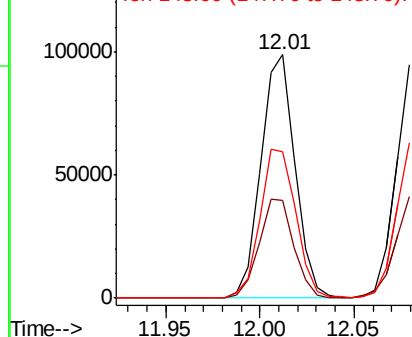
146 100

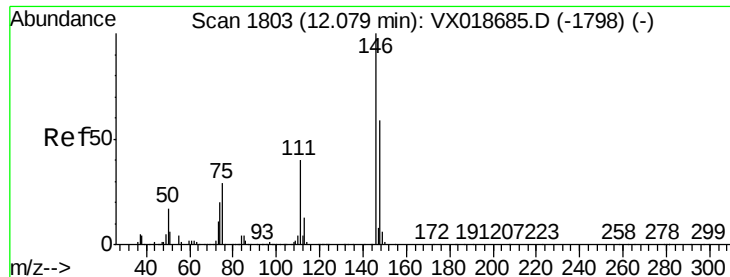
111 39.9 26.7 49.7

148 60.0 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.043 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018697.D

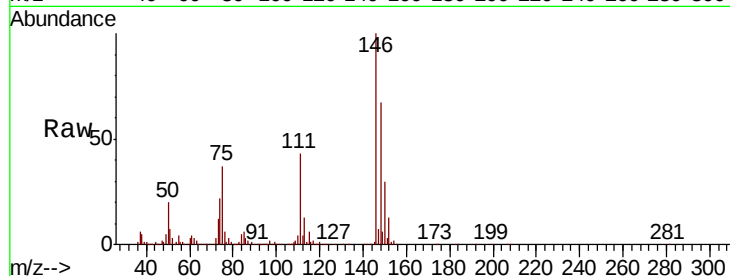
Acq: 30 Sep 2020 14:10

Instrument :

MSVOA_X

ClientSampled :

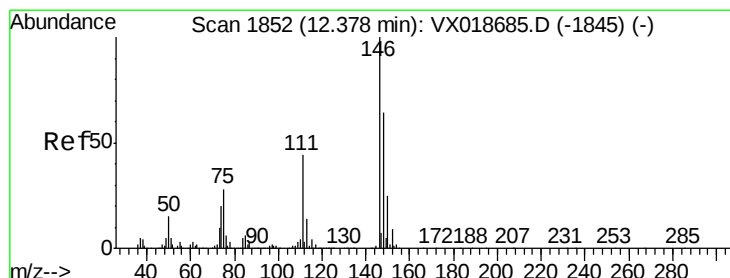
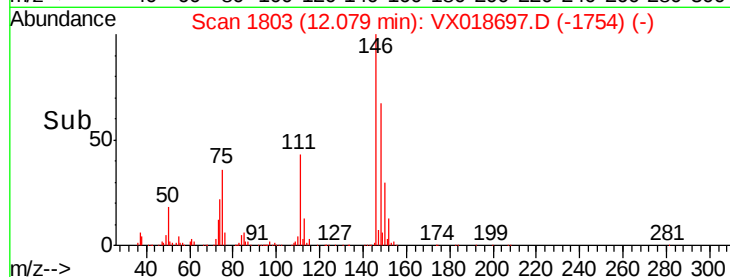
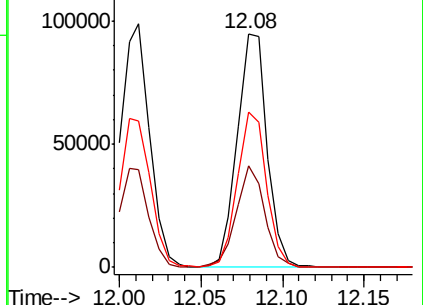
Tot Ion:146	Resp:	121303
Ion Ratio	Lower	Upper
146	100	
111	43.4	28.8 53.4
148	66.6	44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.292 ug/L

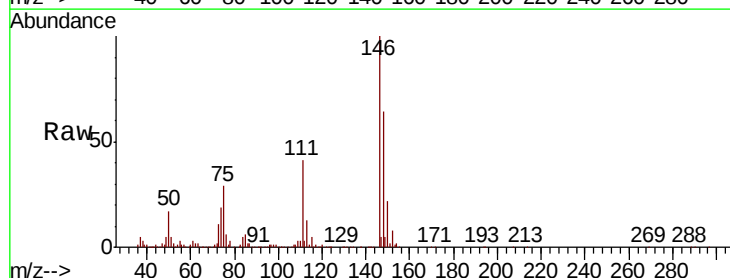
RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018697.D

Acq: 30 Sep 2020 14:10

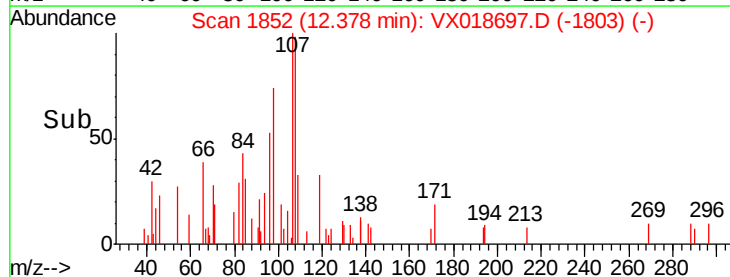
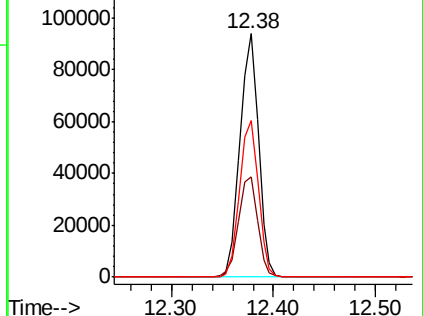
Tgt Ion:146	Resp:	117409
Ion Ratio	Lower	Upper
146	100	
111	41.1	33.6 50.4
148	64.4	53.4 80.2

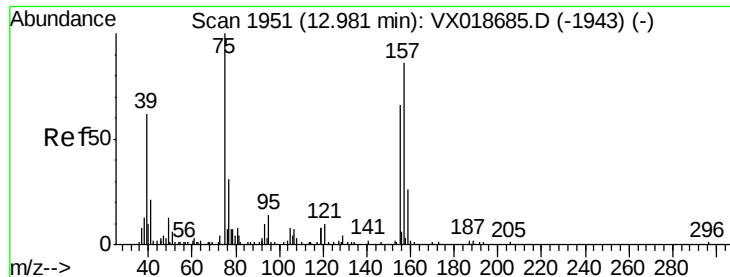


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

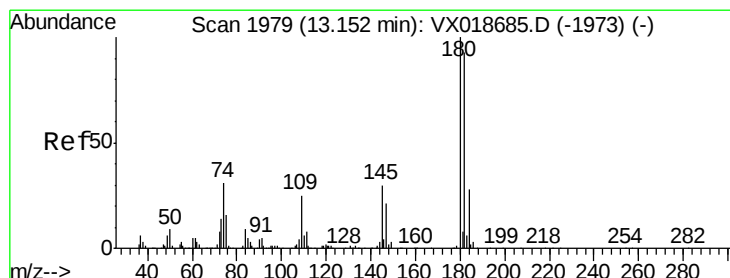
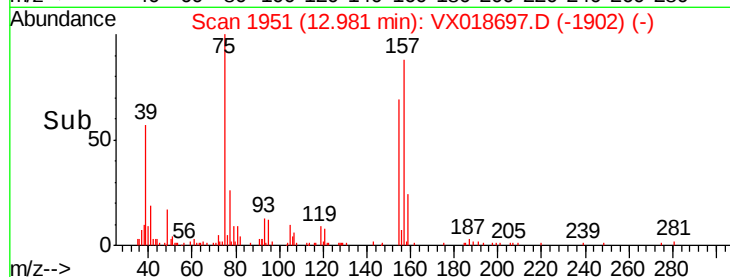
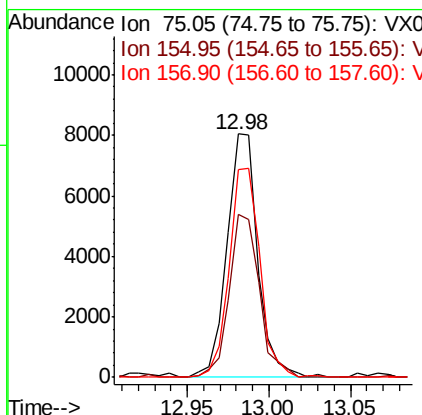
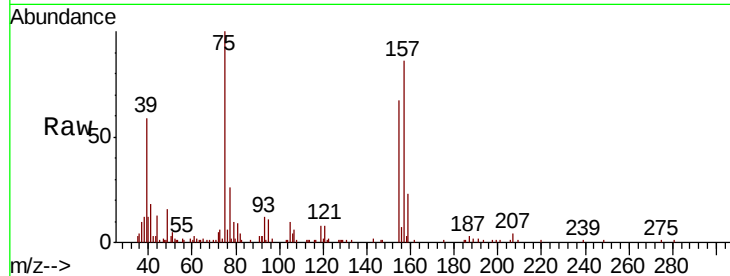




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.590 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

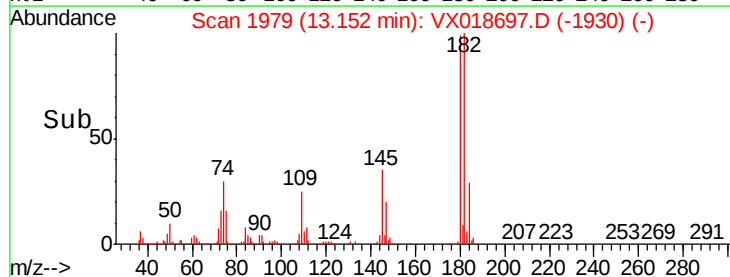
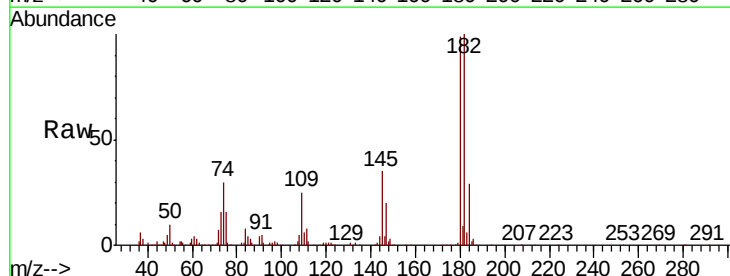
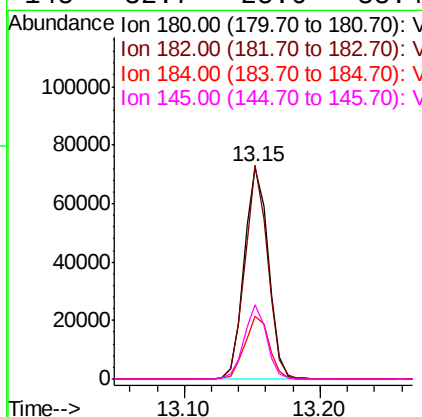
Instrument :
 MSVOA_X
 ClientSampleId :

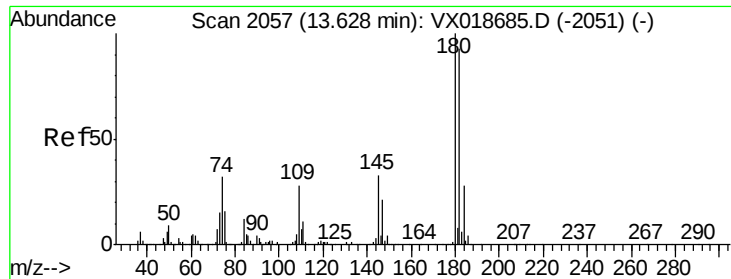
Tot Ion: 75 Resp: 10545
 Ion Ratio Lower Upper
 75 100
 155 67.1 54.6 81.8
 157 85.5 73.5 110.3



#68
 1,3,5-Trichlorobenzene
 Concen: 5.022 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

Tgt Ion: 180 Resp: 89781
 Ion Ratio Lower Upper
 180 100
 182 95.3 72.4 108.6
 184 29.9 25.3 37.9
 145 32.7 25.6 38.4

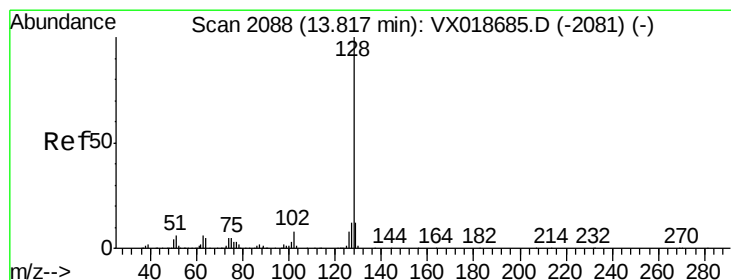
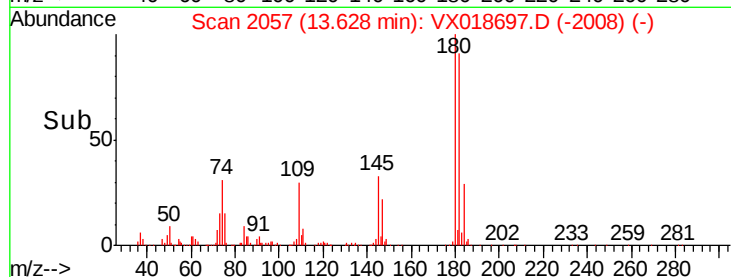
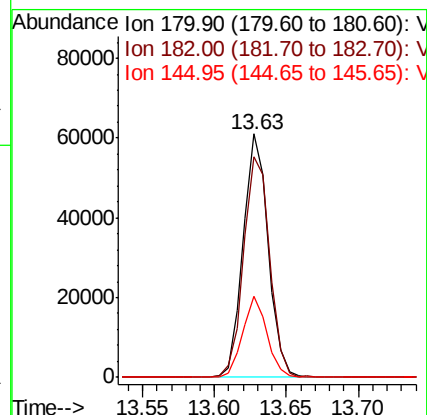
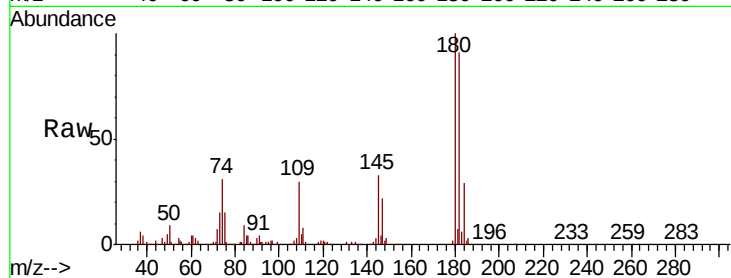




#69
 1,2,4-trichlorobenzene
 Concen: 5.041 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

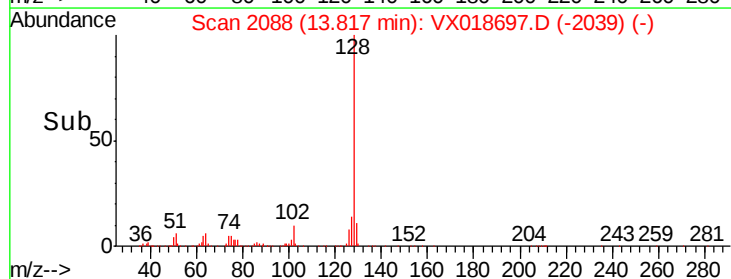
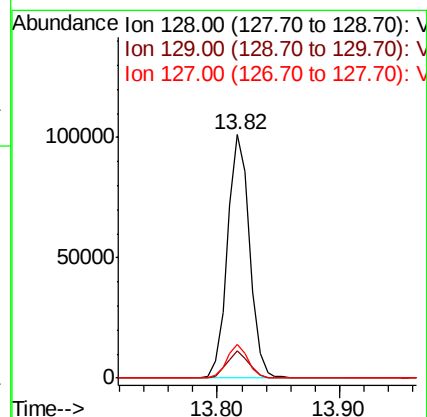
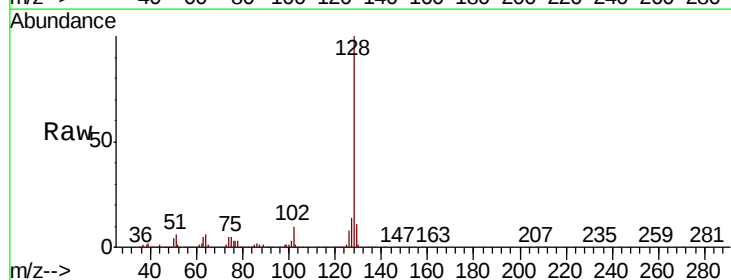
Instrument :
 MSVOA_X
 ClientSampleId :

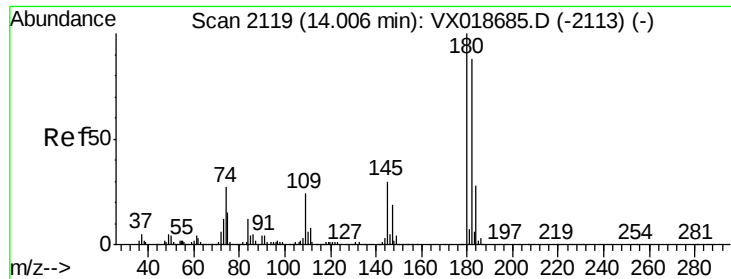
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.6	112.0
145	32.2	25.0	37.6



#70
 Naphthalene
 Concen: 5.096 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.3	10.7	16.1

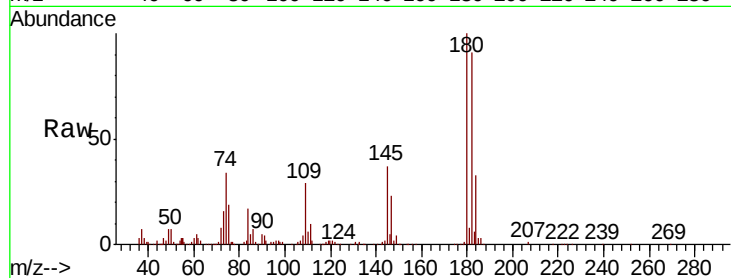




#71
 1,2,3-Trichlorobenzene
 Concen: 5.245 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018697.D
 Acq: 30 Sep 2020 14:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.7	116.5
145	35.7	28.6	42.8



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

