

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO010821\
 Data File : VX020533.D
 Acq On : 08 Jan 2021 09:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:11:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 00:55:52 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	333510	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	329861	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	164122	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	134735	50.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.56%
7) Chloroethane-d5	1.69	69	110987	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.34	63	253175	50.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.18%
21) 2-Butanone-d5	4.53	46	175534	106.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.92%
24) Chloroform-d	5.14	84	266970	57.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	6.03	65	164347	53.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.66%
32) Benzene-d6	6.04	84	523861	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	7.37	67	162249	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.76%
41) Toluene-d8	8.69	98	465012	51.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.99	79	76980	51.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.14%
47) 2-Hexanone-d5	9.42	63	134011	98.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.89%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	217715	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
66) 1,2-Dichlorobenzene-d4	12.36	152	168222	52.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	164555	50.683	ug/L 100
3) Chloromethane	1.31	50	144713	49.523	ug/L 97
5) Vinyl chloride	1.39	62	154198	49.673	ug/L 99
6) Bromomethane	1.64	94	77765	49.525	ug/L 99
8) Chloroethane	1.71	64	92822	49.922	ug/L 100
9) Trichlorofluoromethane	1.92	101	209561	53.607	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	130666	53.756	ug/L 99
12) 1,1-Dichloroethene	2.36	96	123413	51.939	ug/L 98
13) Acetone	2.42	43	122055	90.703	ug/L 100
14) Carbon disulfide	2.55	76	377880	49.556	ug/L 99
15) Methyl Acetate	2.75	43	127223	47.482	ug/L 99
16) Methylene chloride	2.83	84	140657	49.510	ug/L 97
17) trans-1,2-Dichloroethene	3.14	96	127579	49.881	ug/L 96
18) Methyl tert-butyl Ether	3.16	73	390218	50.484	ug/L 100
19) 1,1-Dichloroethane	3.67	63	234624	50.710	ug/L 100
20) cis-1,2-Dichloroethene	4.56	96	138961	49.682	ug/L 97
22) 2-Butanone	4.63	43	184343	92.688	ug/L 97

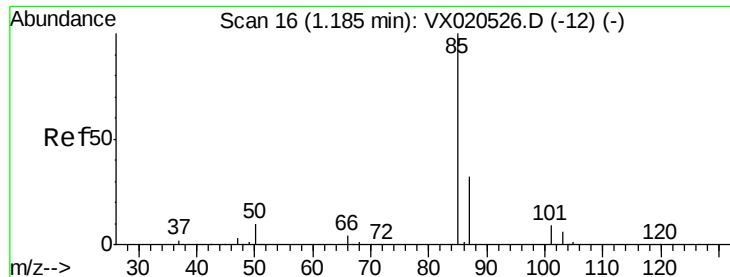
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010821\
 Data File : VX020533.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 00:55:52 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	72265	49.966	ug/L	97
25) Chloroform	5.17	83	246058	48.718	ug/L	99
27) 1,2-Dichloroethane	6.15	62	188469	50.608	ug/L	100
29) Cyclohexane	5.54	56	204183	50.205	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	212823	50.482	ug/L	99
31) Carbon tetrachloride	5.75	117	182666	51.243	ug/L	98
33) Benzene	6.10	78	546860	50.160	ug/L	100
34) Trichloroethene	7.18	95	137921	49.674	ug/L	97
35) Methylcyclohexane	7.43	83	217657	52.147	ug/L	99
37) 1,2-Dichloropropane	7.48	63	139076	50.288	ug/L	100
38) Bromodichloromethane	7.87	83	179839	50.641	ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	207198	49.819	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	342304	94.208	ug/L	99
42) Toluene	8.76	91	571553	50.041	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	201633	49.660	ug/L	99
45) 1,1,2-Trichloroethane	9.19	97	132830	48.529	ug/L	98
46) Tetrachloroethene	9.32	164	106671	49.565	ug/L	99
48) 2-Hexanone	9.47	43	268768	93.607	ug/L	97
49) Dibromochloromethane	9.56	129	140694	50.133	ug/L	99
50) 1,2-Dibromoethane	9.65	107	142072	50.107	ug/L	99
51) Chlorobenzene	10.12	112	357528	49.442	ug/L	97
52) Ethylbenzene	10.23	91	620061	50.771	ug/L	100
53) m,p-Xylene	10.34	106	236114	51.746	ug/L	94
54) o-Xylene	10.68	106	227655	51.411	ug/L	98
55) Styrene	10.70	104	391294	52.196	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	203641	46.885	ug/L	99
59) Bromoform	10.84	173	102559	50.027	ug/L	97
60) Isopropylbenzene	11.00	105	609575	52.676	ug/L	99
61) 1,2,3-Trichloropropane	11.27	75	163195	45.583	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	504689	53.476	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	508229	53.349	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	264704	49.032	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	275376	50.484	ug/L	95
67) 1,2-Dichlorobenzene	12.37	146	261431	48.570	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	44134	48.736	ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	197260	53.225	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	165889	51.985	ug/L	100
71) Naphthalene	13.82	128	565634	53.656	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	176075	53.633	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.683 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

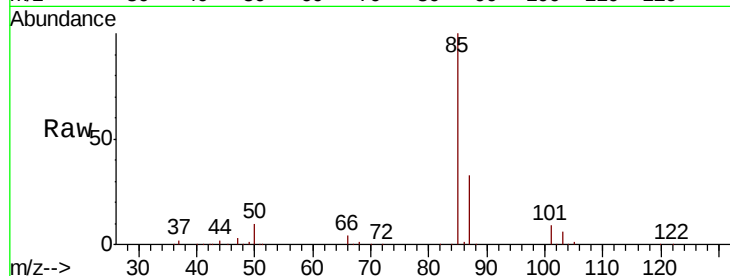
ClientSampled :

Tot Ion: 85 Resp: 164555

Ion Ratio Lower Upper

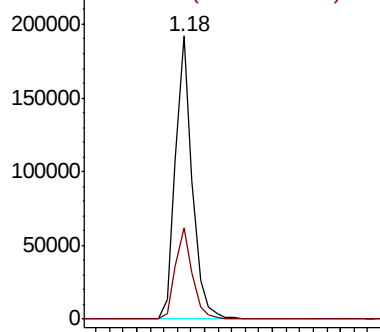
85 100

87 32.6 25.9 38.9

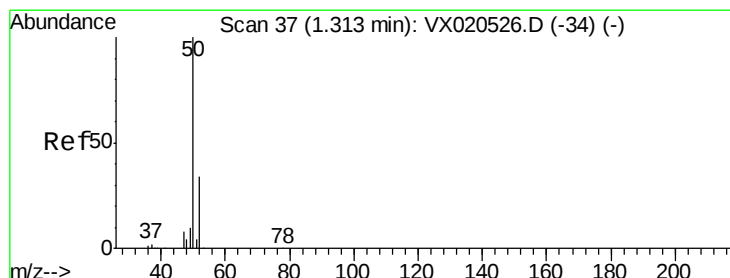
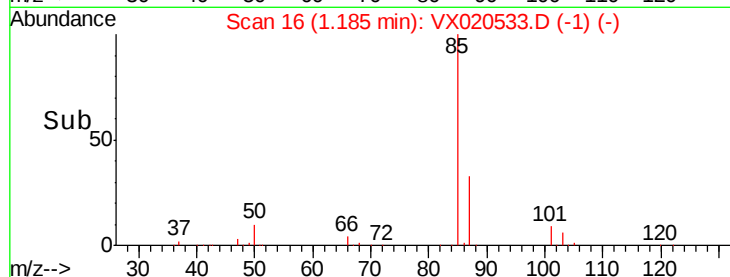


Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#3

Chloromethane

Concen: 49.523 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020533.D

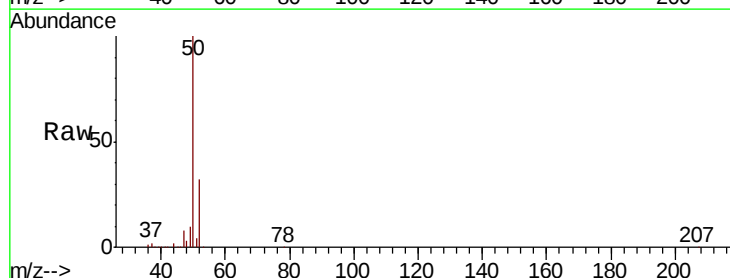
Acq: 08 Jan 2021 09:55

Tgt Ion: 50 Resp: 144713

Ion Ratio Lower Upper

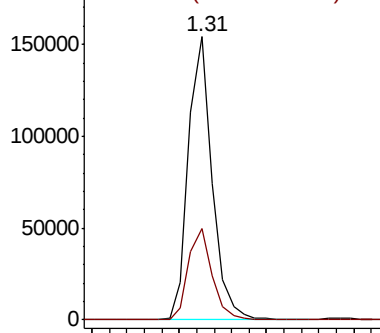
50 100

52 32.3 23.7 43.9

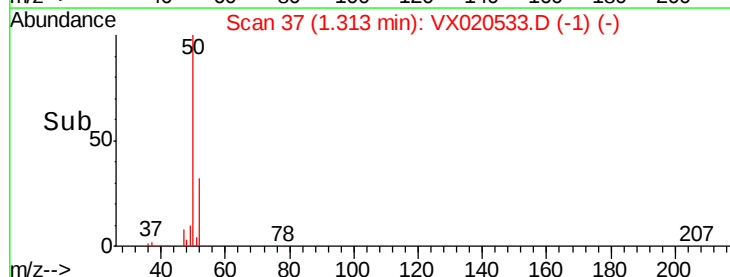


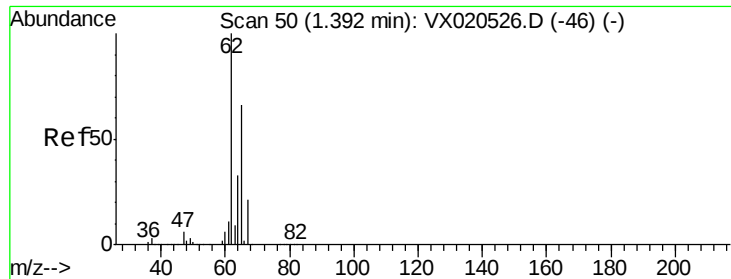
Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->





#5

Vinyl chloride

Concen: 49.673 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

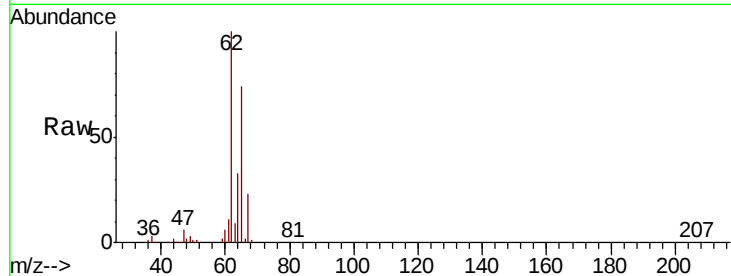
ClientSampleId :

Tot Ion: 62 Resp: 154198

Ion Ratio Lower Upper

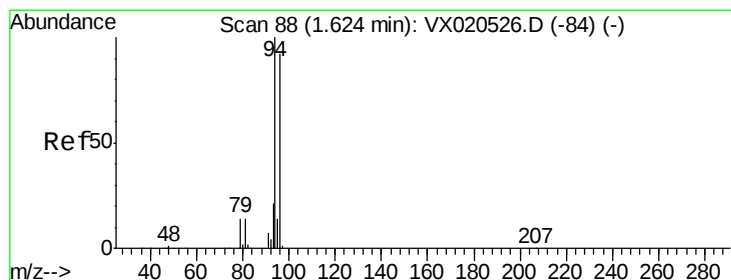
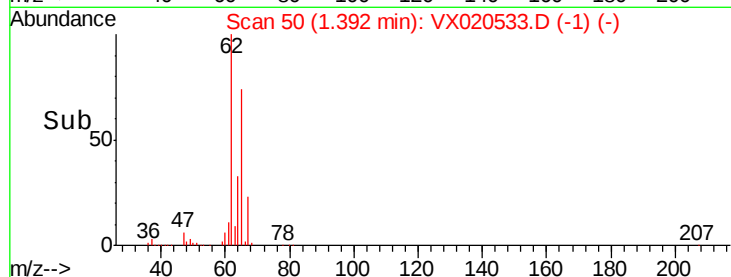
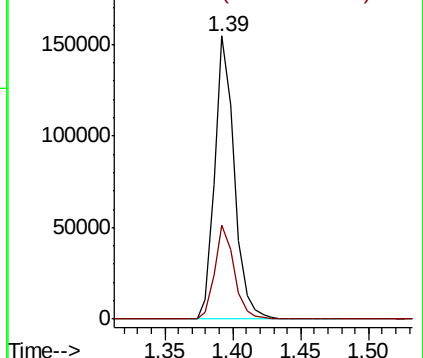
62 100

64 33.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



#6

Bromomethane

Concen: 49.525 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020533.D

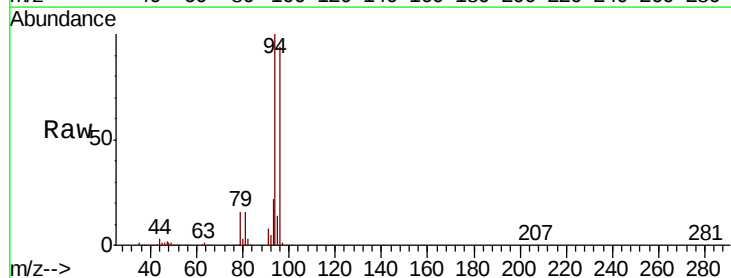
Acq: 08 Jan 2021 09:55

Tgt Ion: 94 Resp: 77765

Ion Ratio Lower Upper

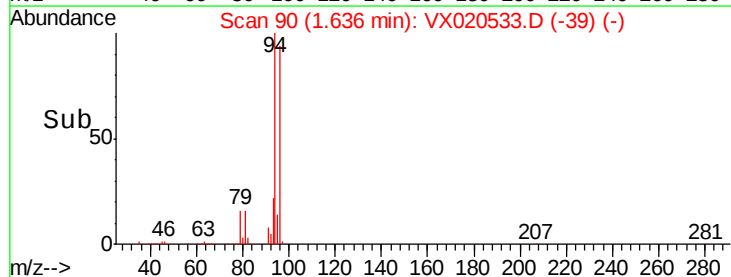
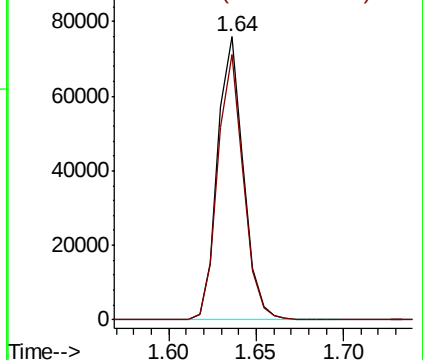
94 100

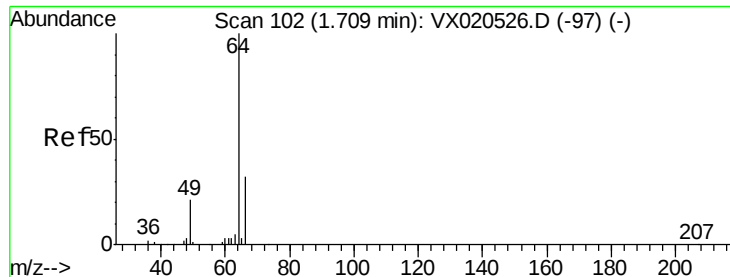
96 93.6 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 49.922 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

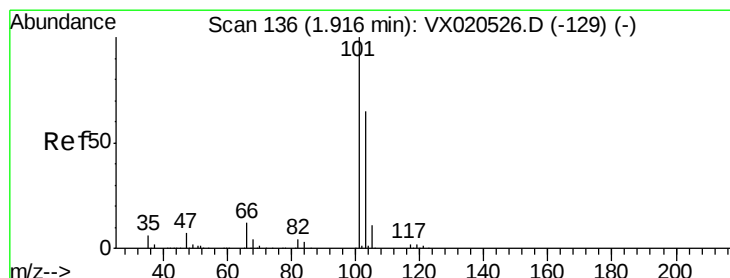
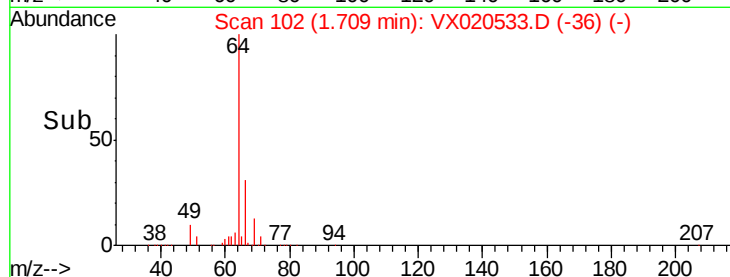
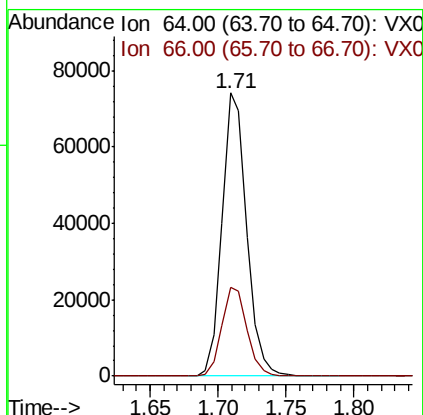
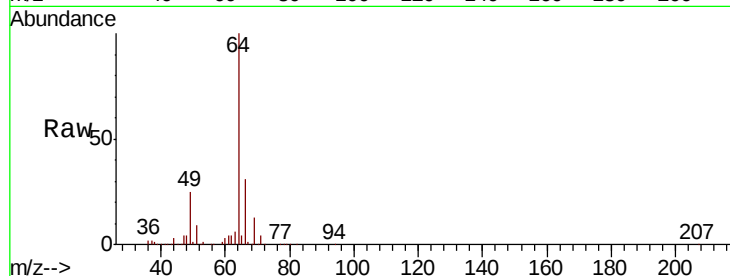
ClientSampleId :

Tot Ion: 64 Resp: 92822

Ion Ratio Lower Upper

64 100

66 31.4 22.0 41.0



#9

Trichlorofluoromethane

Concen: 53.607 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020533.D

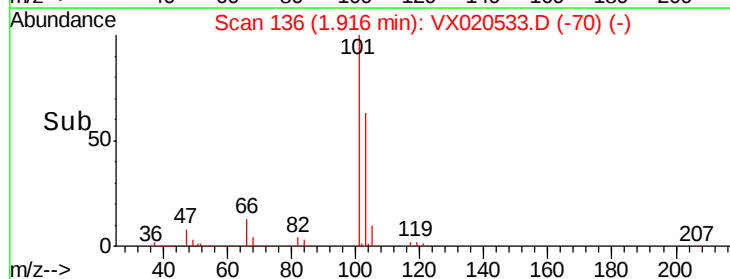
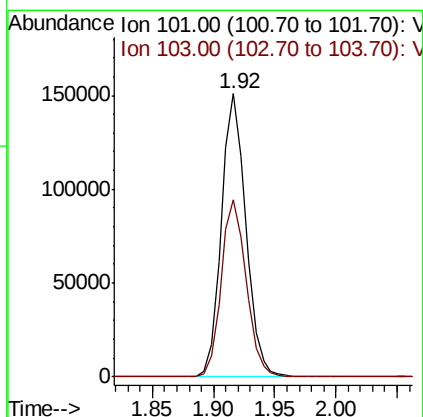
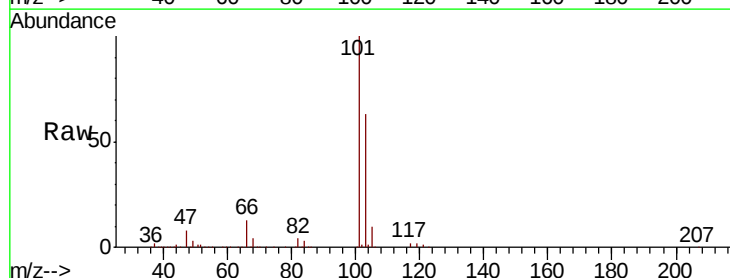
Acq: 08 Jan 2021 09:55

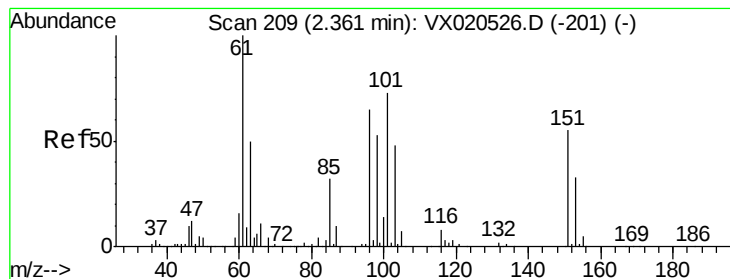
Tgt Ion:101 Resp: 209561

Ion Ratio Lower Upper

101 100

103 63.9 52.2 78.2





#10

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

Concen: 53.756 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

ClientSampleId :

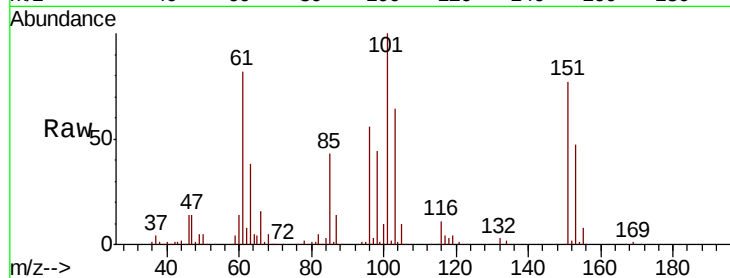
Tot Ion:101 Resp: 130666

Ion Ratio Lower Upper

101 100

85 43.3 34.3 51.5

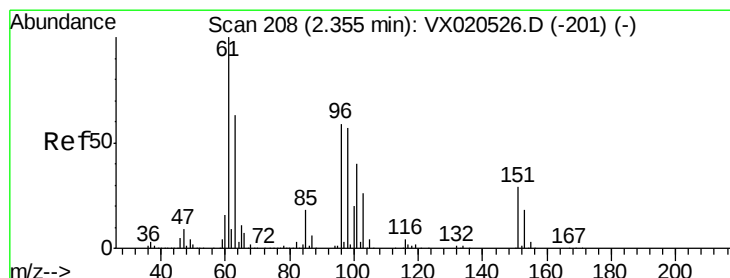
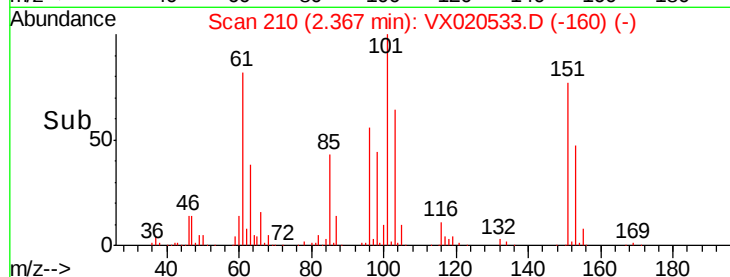
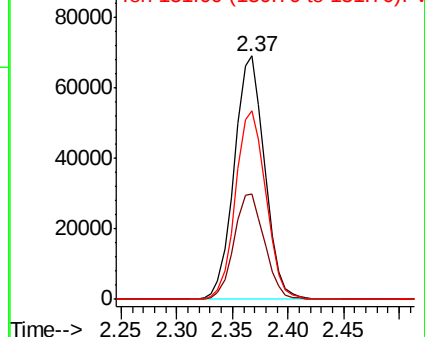
151 77.1 60.7 91.1



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: 51.939 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

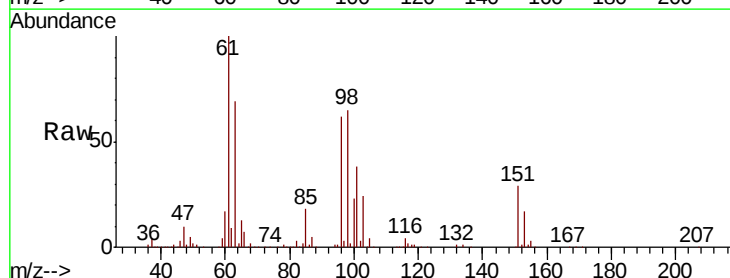
Tgt Ion: 96 Resp: 123413

Ion Ratio Lower Upper

96 100

61 160.8 115.5 214.5

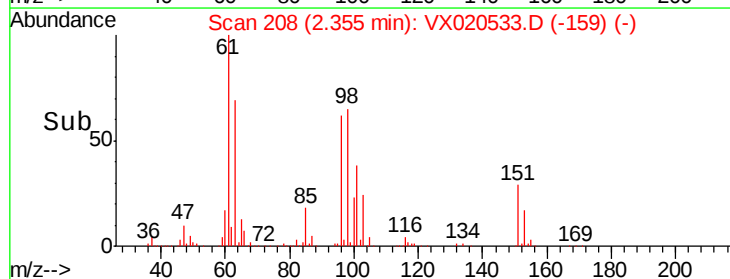
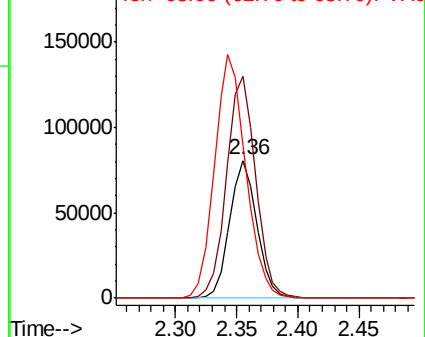
63 111.2 77.3 143.7

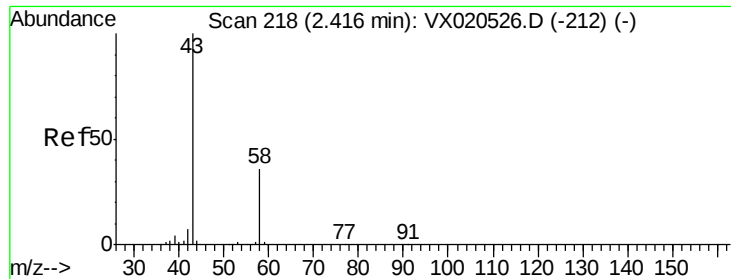


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 90.703 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

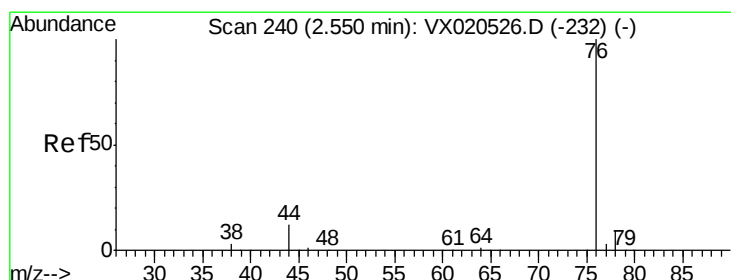
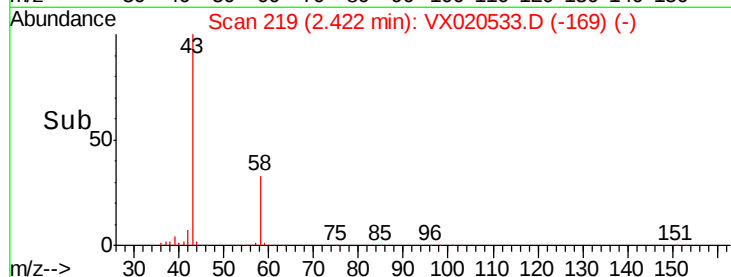
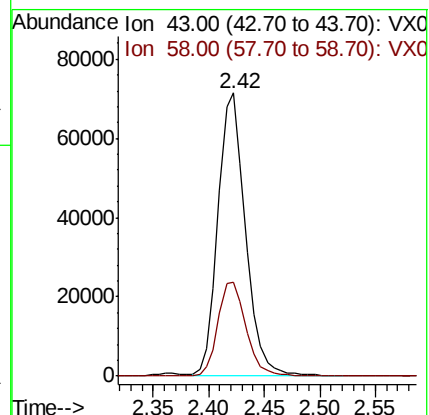
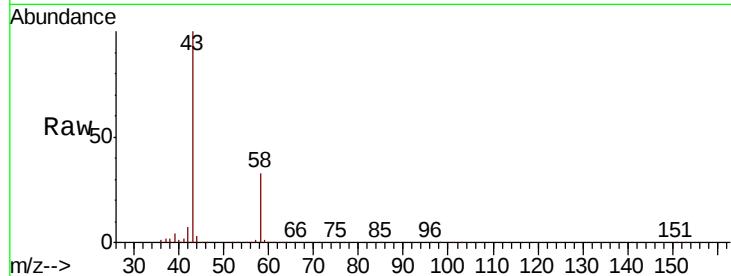
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 122055

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.2



#14

Carbon disulfide

Concen: 49.556 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020533.D

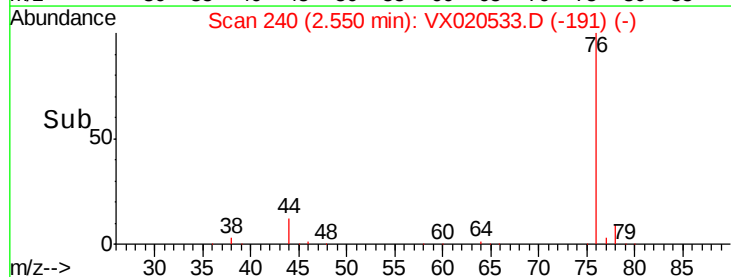
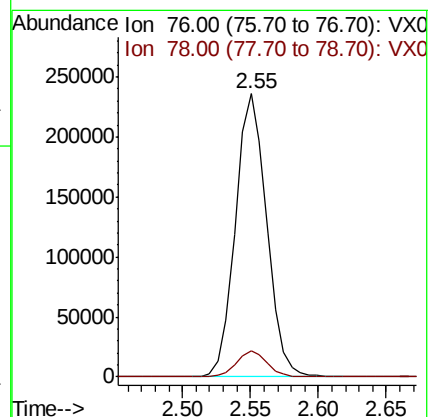
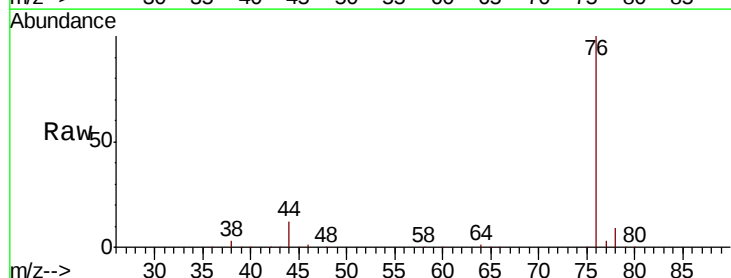
Acq: 08 Jan 2021 09:55

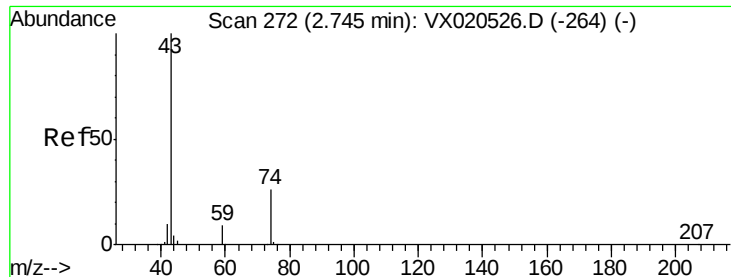
Tgt Ion: 76 Resp: 377880

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

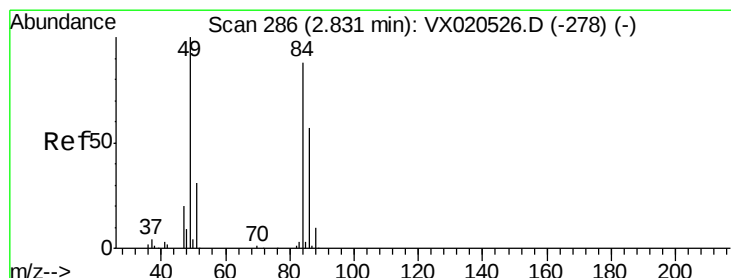
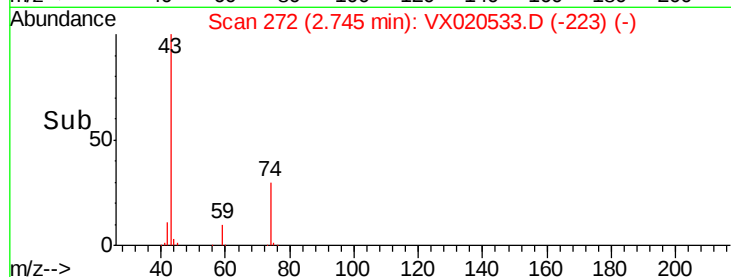
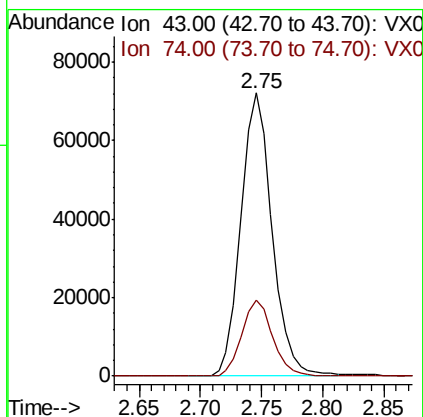
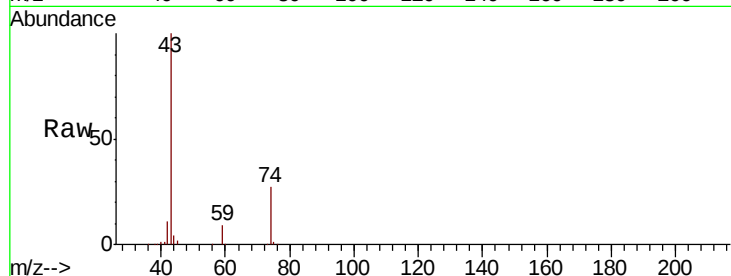




#15
Methvl Acetate
Concen: 47.482 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

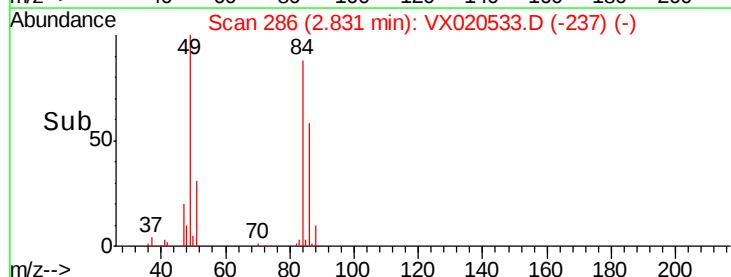
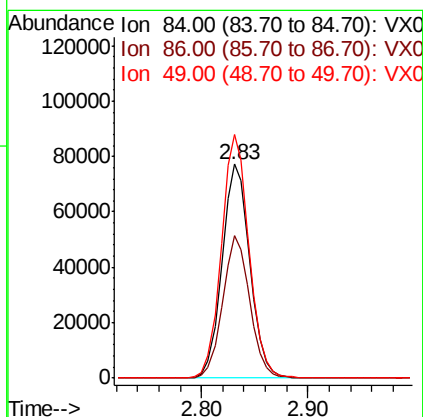
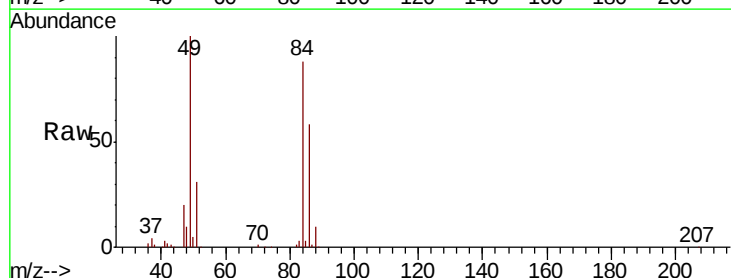
Instrument :
MSVOA_X
ClientSampleId :

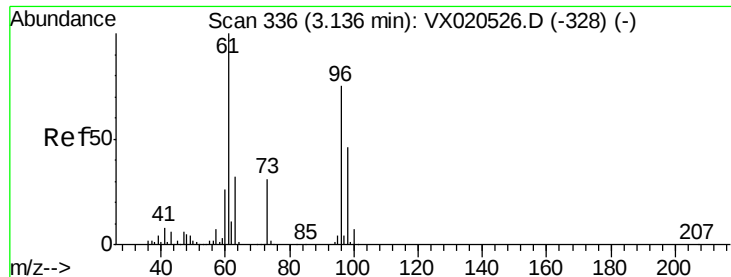
Tot Ion: 43 Resp: 127223
Ion Ratio Lower Upper
43 100
74 26.8 21.7 32.5



#16
Methylene chloride
Concen: 49.510 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion: 84 Resp: 140657
Ion Ratio Lower Upper
84 100
86 66.5 44.2 82.0
49 113.9 77.8 144.6

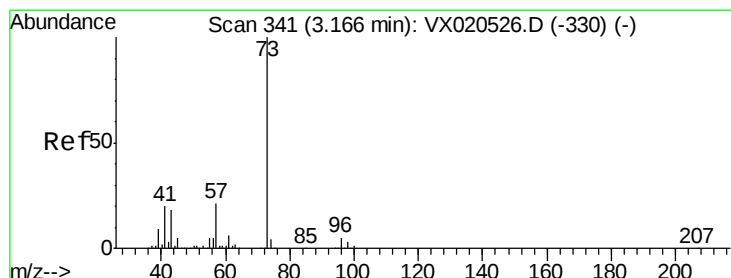
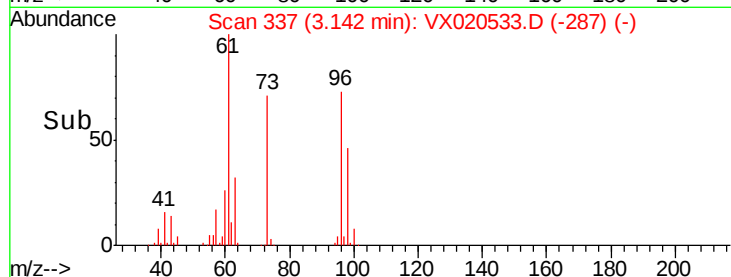
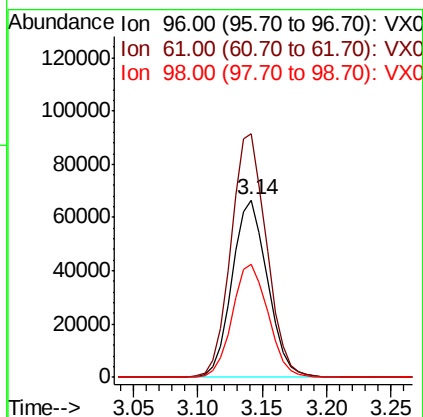
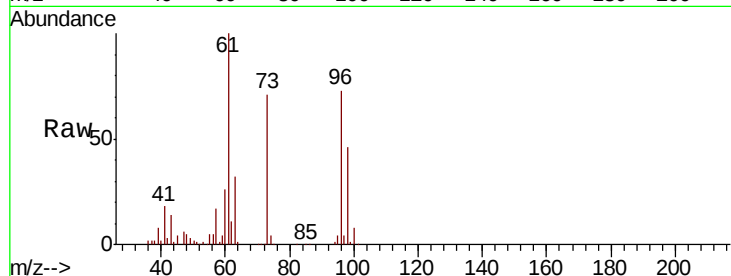




#17
trans-1,2-Dichloroethene
Concen: 49.881 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

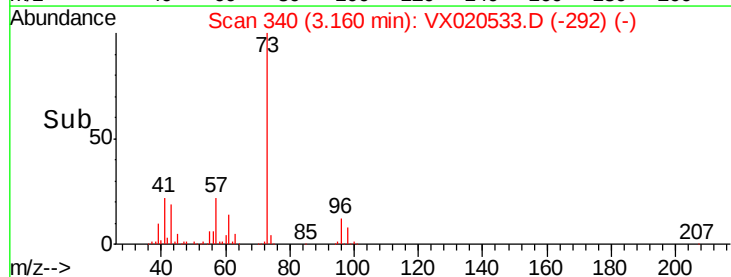
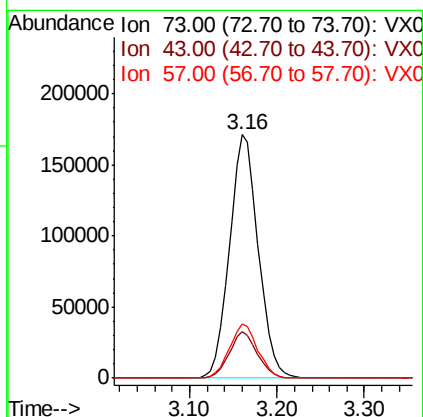
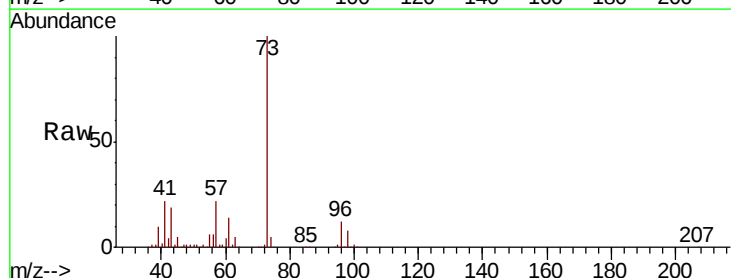
Instrument :
MSVOA_X
ClientSampleId :

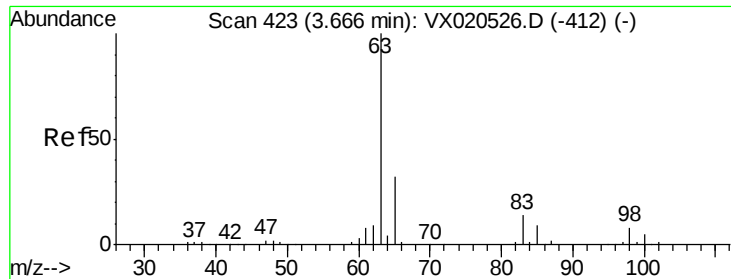
Tot Ion: 96 Resp: 127579
Ion Ratio Lower Upper
96 100
61 137.4 92.3 171.3
98 63.7 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 50.484 ug/L
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion: 73 Resp: 390218
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 21.9 17.4 26.2

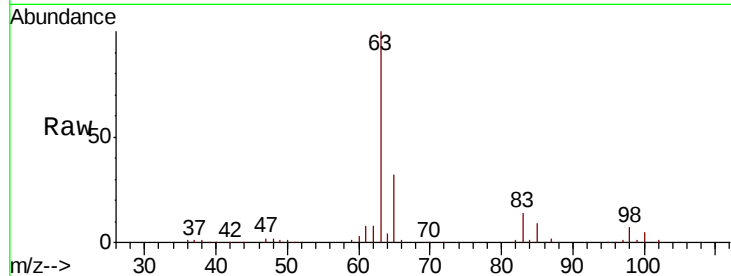




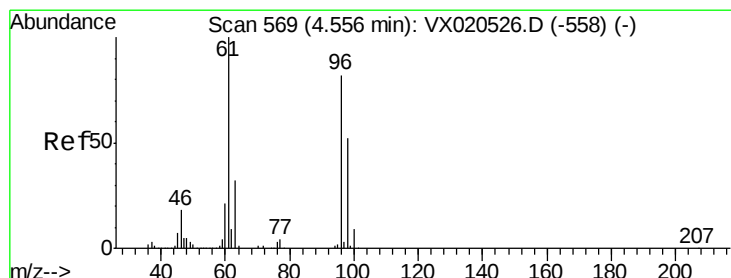
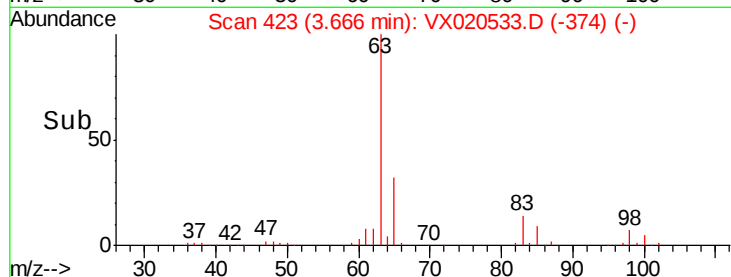
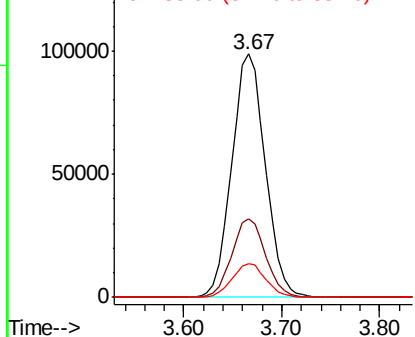
#19
 1,1-Dichloroethane
 Concen: 50.710 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 63 Resp: 234624
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.4 41.6
 83 13.6 9.5 17.7

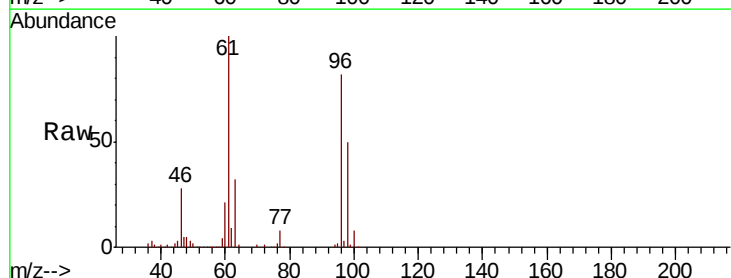


Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 65.00 (64.70 to 65.70): VX0
 Ion 83.00 (82.70 to 83.70): VX0

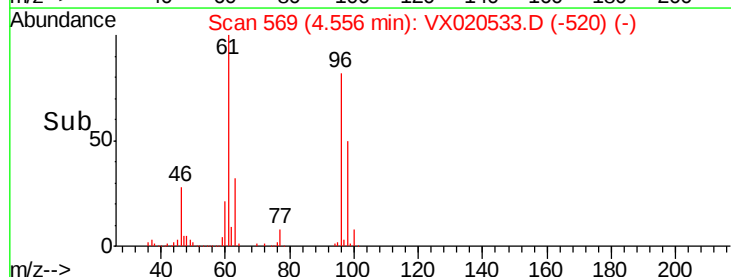
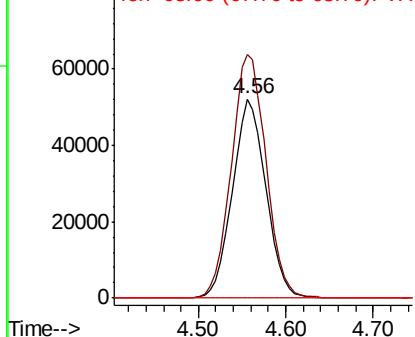


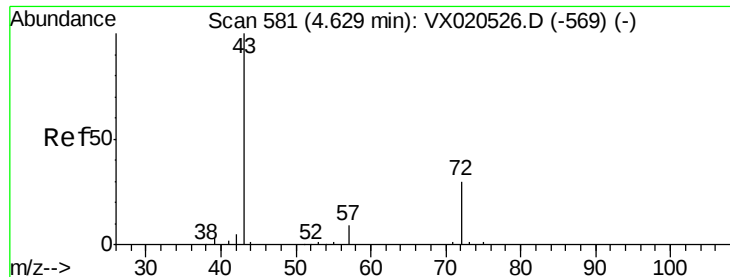
#20
 cis-1,2-Dichloroethene
 Concen: 49.682 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion: 96 Resp: 138961
 Ion Ratio Lower Upper
 96 100
 61 122.4 87.8 163.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 92.688 ug/L

RT: 4.63 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

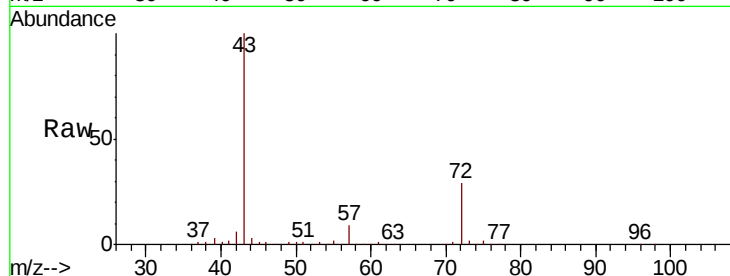
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 184343

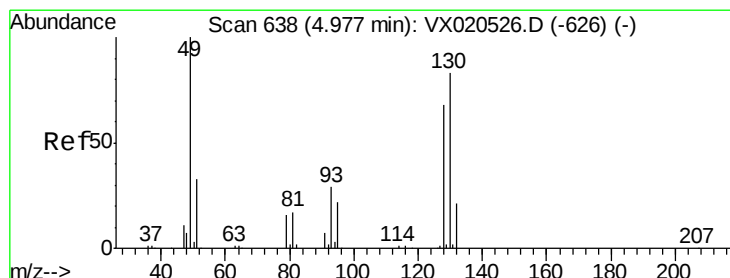
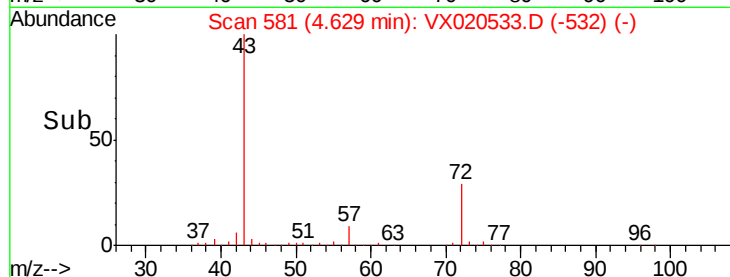
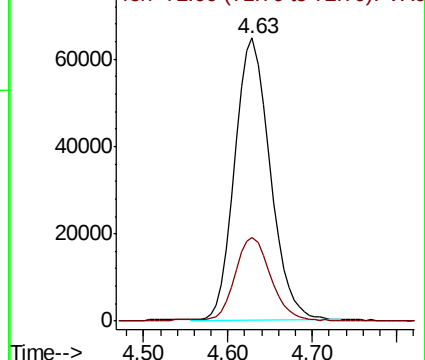
Ion Ratio Lower Upper

43 100

72 29.0 15.3 45.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 49.966 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Tgt Ion:128 Resp: 72265

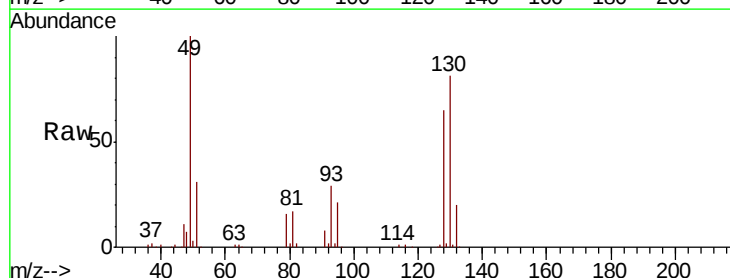
Ion Ratio Lower Upper

128 100

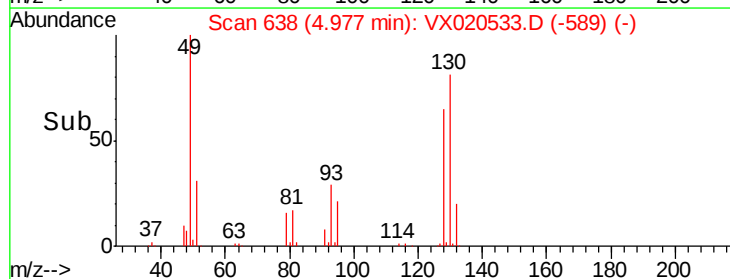
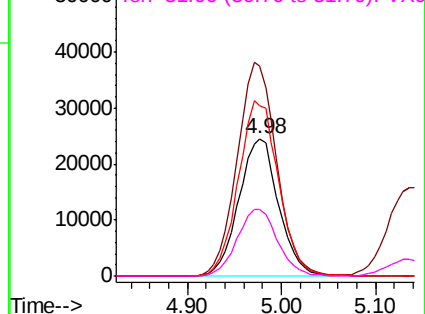
49 153.0 107.5 199.7

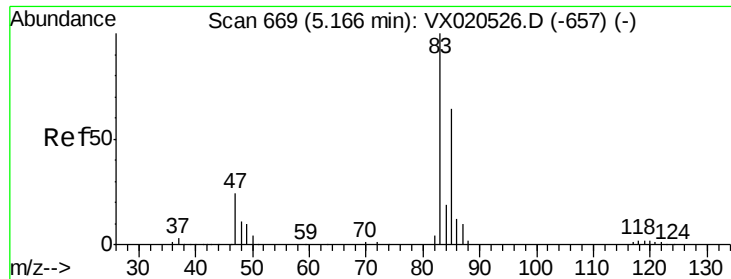
130 123.8 91.1 169.3

51 48.1 40.3 60.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VX0

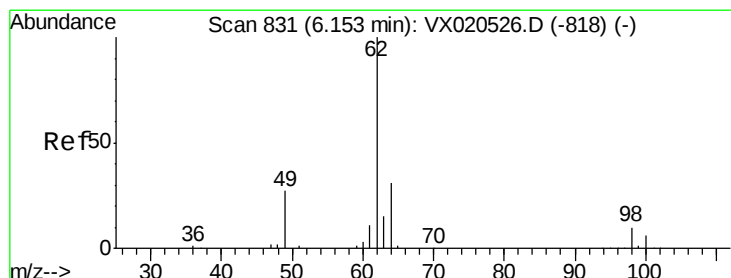
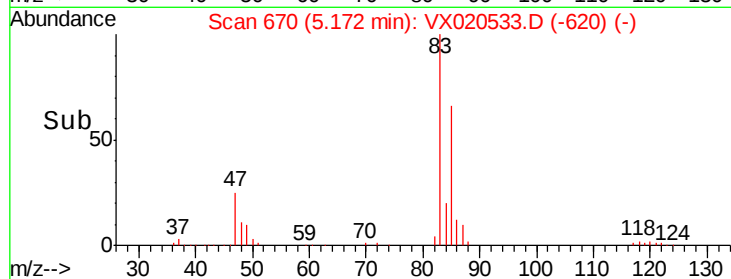
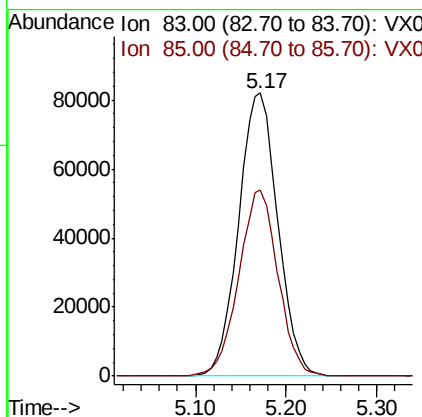
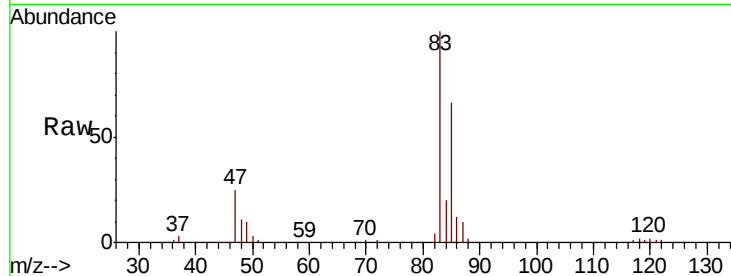




#25
Chloroform
Concen: 48.718 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.01 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

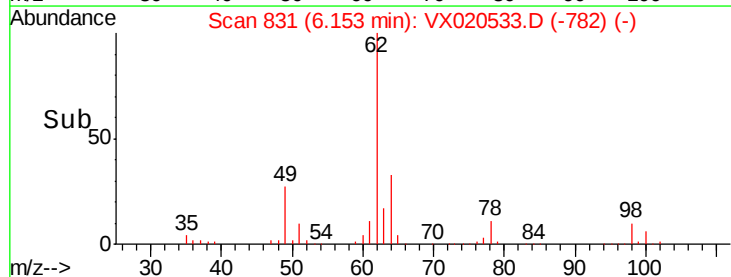
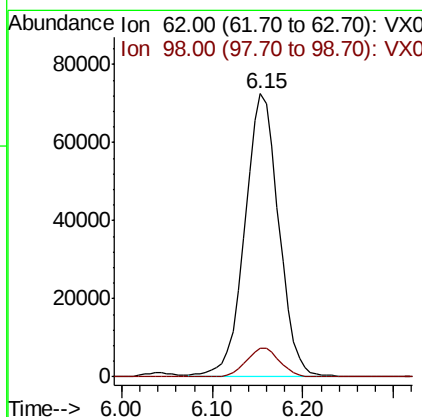
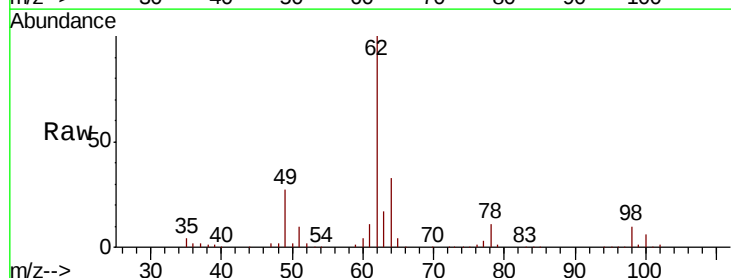
Instrument :
MSVOA_X
ClientSampleId :

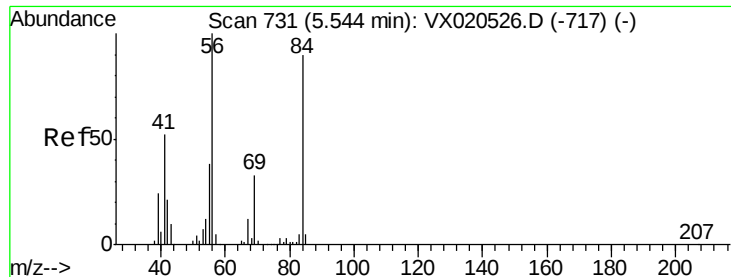
Tot Ion: 83 Resp: 246058
Ion Ratio Lower Upper
83 100
85 65.6 46.3 85.9



#27
1,2-Dichloroethane
Concen: 50.608 ug/L
RT: 6.15 min Scan# 831
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion: 62 Resp: 188469
Ion Ratio Lower Upper
62 100
98 10.0 7.9 11.9

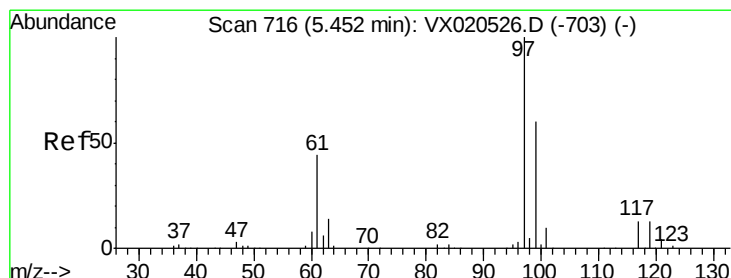
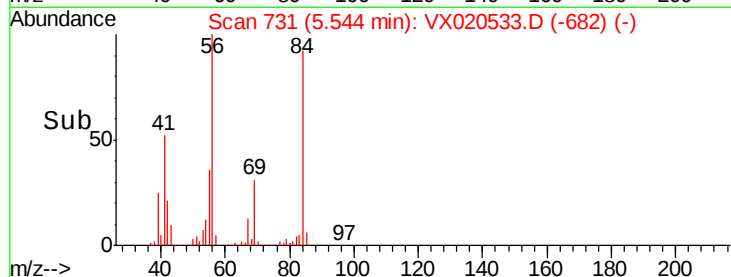
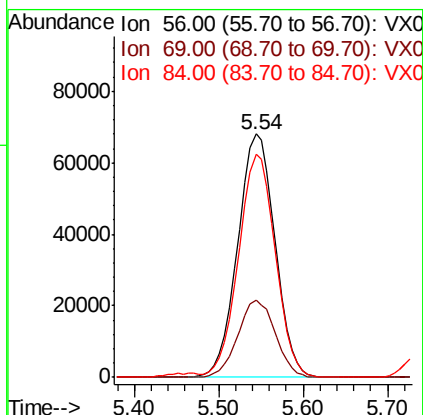
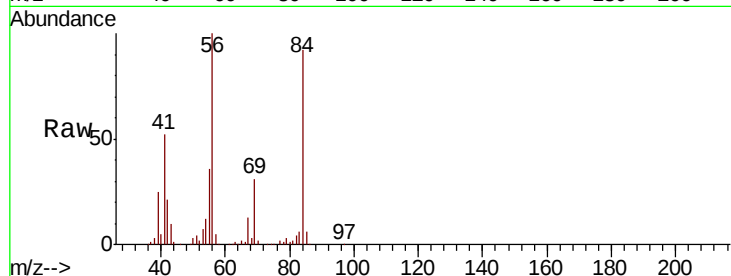




#29
Cyclohexane
Concen: 50.205 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

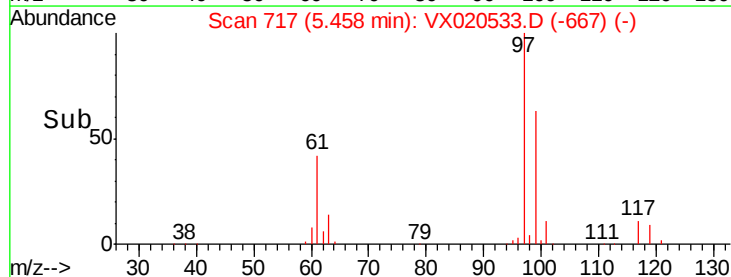
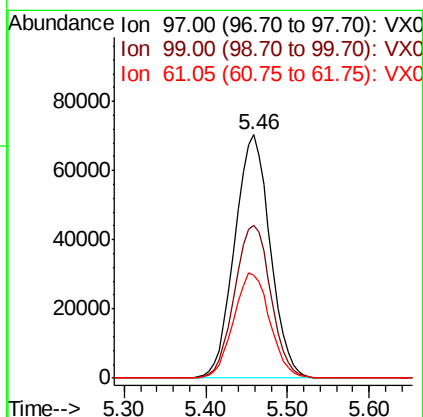
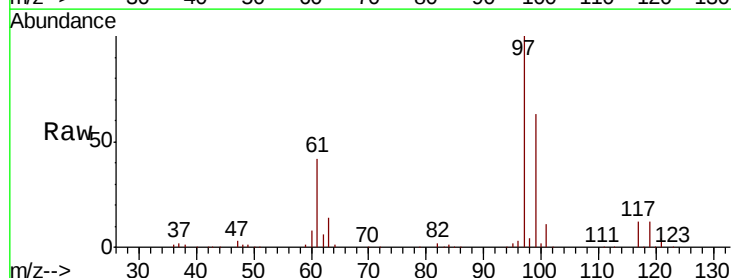
Instrument :
MSVOA_X
ClientSampled :

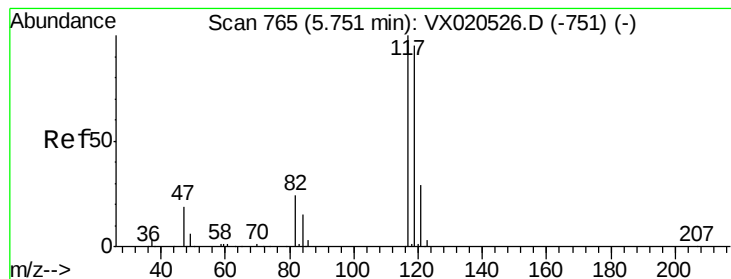
Tot Ion: 56 Resp: 204183
Ion Ratio Lower Upper
56 100
69 31.8 25.7 38.5
84 90.6 72.4 108.6



#30
1,1,1-Trichloroethane
Concen: 50.482 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.01 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion: 97 Resp: 212823
Ion Ratio Lower Upper
97 100
99 64.2 52.1 78.1
61 44.1 35.3 52.9





#31

Carbon tetrachloride

Concen: 51.243 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

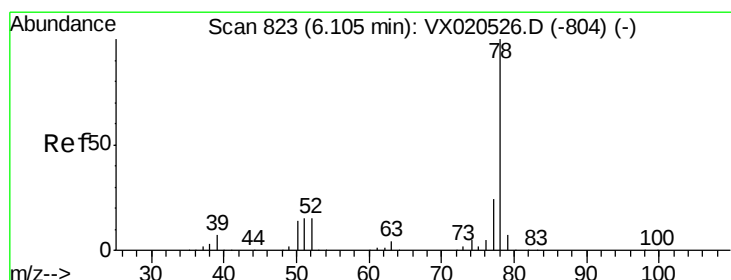
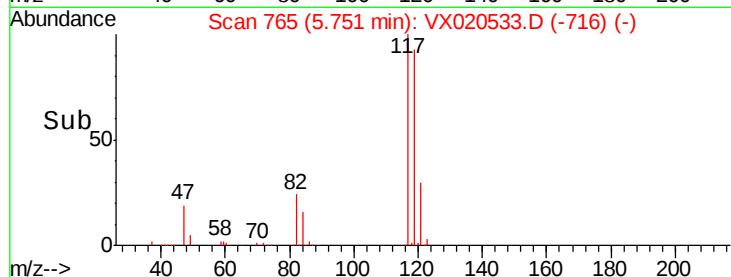
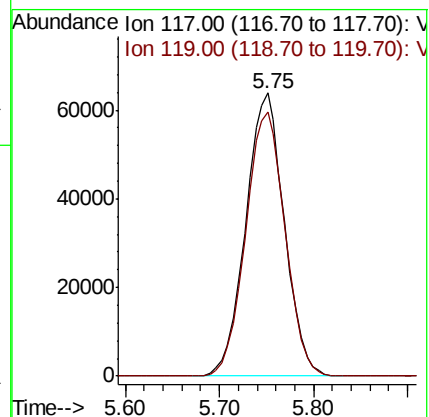
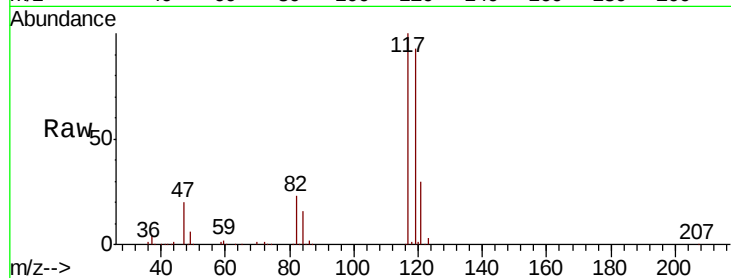
ClientSampleId :

Tot Ion:117 Resp: 182666

Ion Ratio Lower Upper

117 100

119 95.2 77.5 116.3



#33

Benzene

Concen: 50.160 ug/L

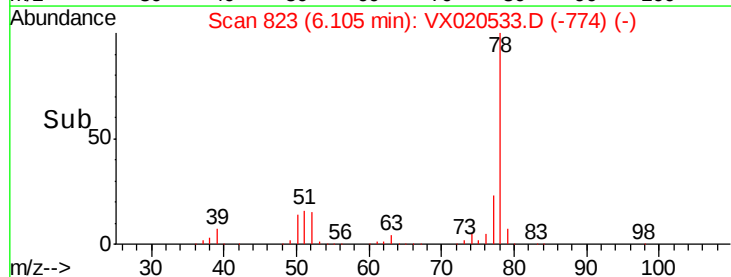
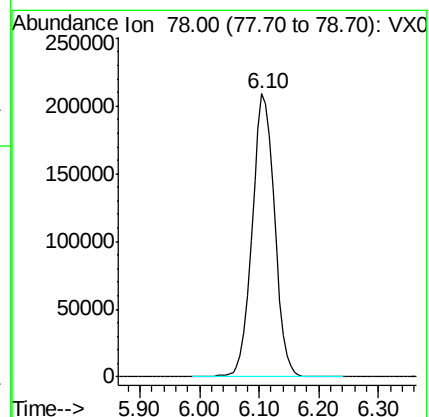
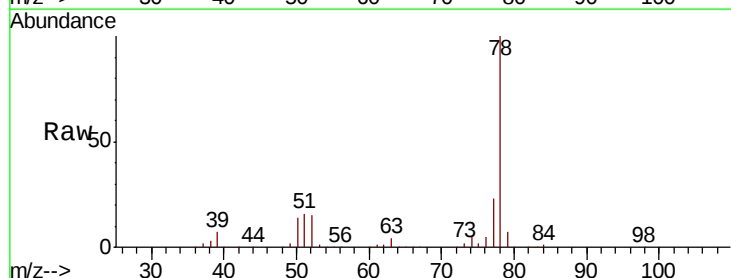
RT: 6.10 min Scan# 823

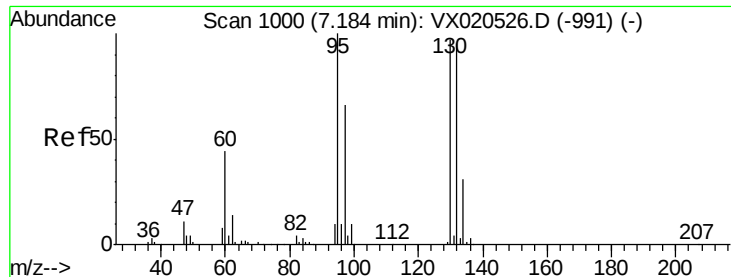
Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Tgt Ion: 78 Resp: 546860

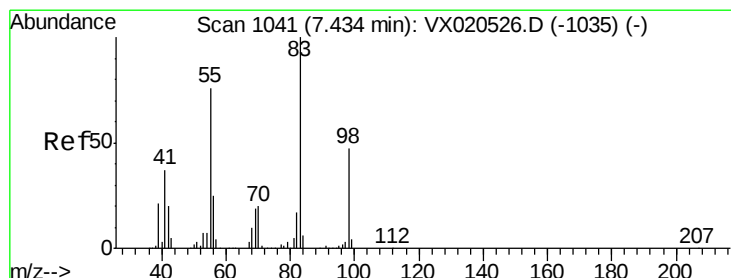
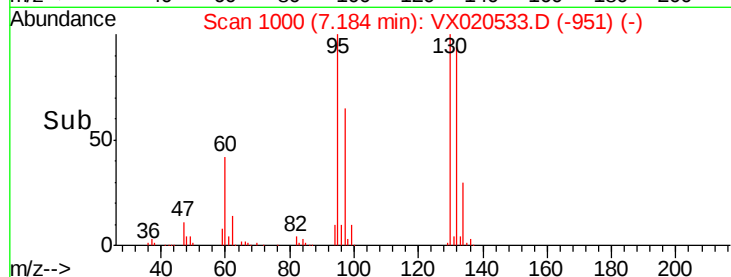
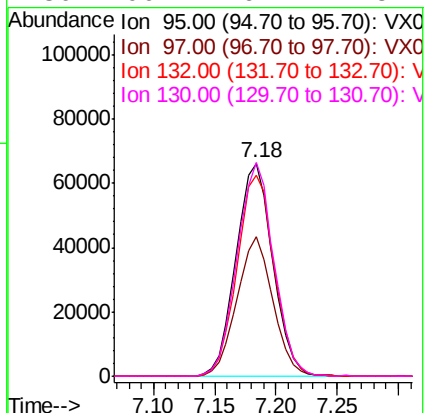
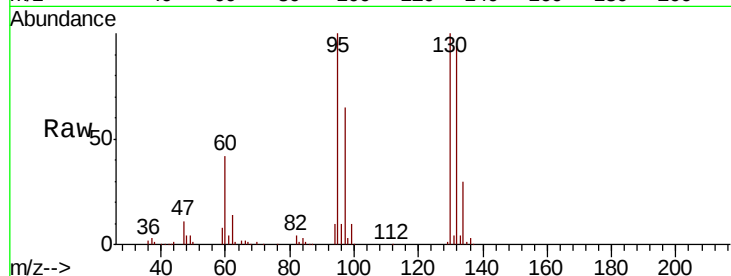




#34
 Trichloroethene
 Concen: 49.674 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

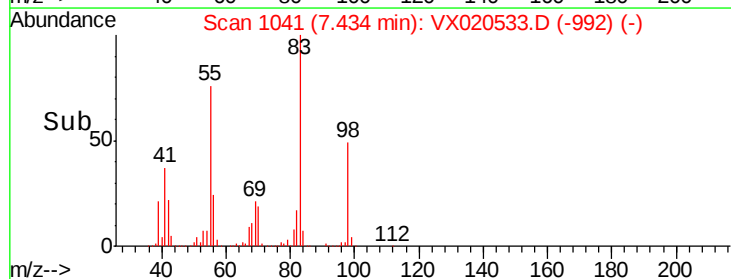
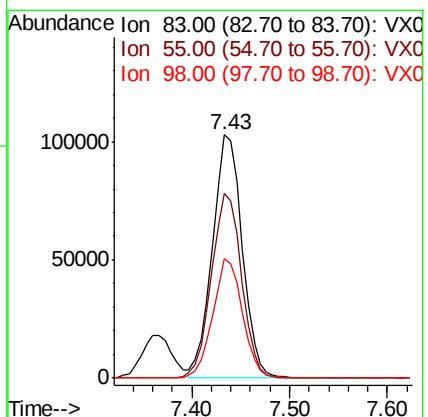
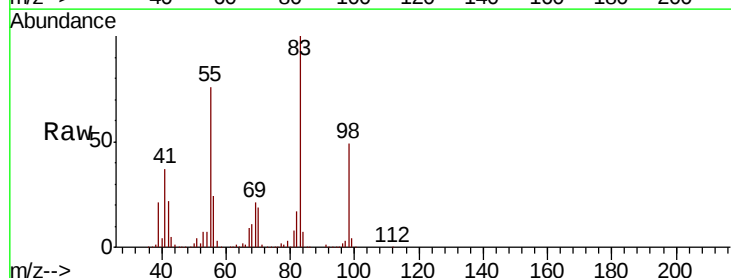
Instrument :
 MSVOA_X
 ClientSampled :

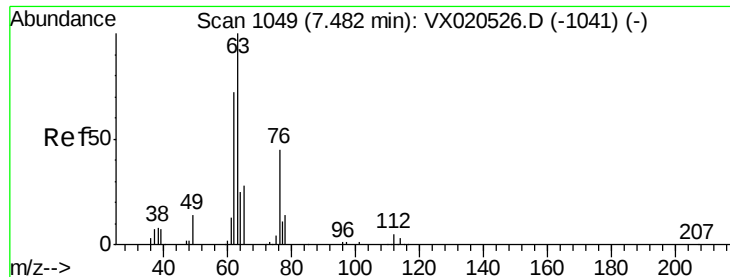
Tot Ion: 95 Resp: 137921
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.5 82.7
 132 94.6 65.2 121.0
 130 100.4 67.7 125.7



#35
 Methylcyclohexane
 Concen: 52.147 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion: 83 Resp: 217657
 Ion Ratio Lower Upper
 83 100
 55 76.9 61.2 91.8
 98 48.8 38.7 58.1

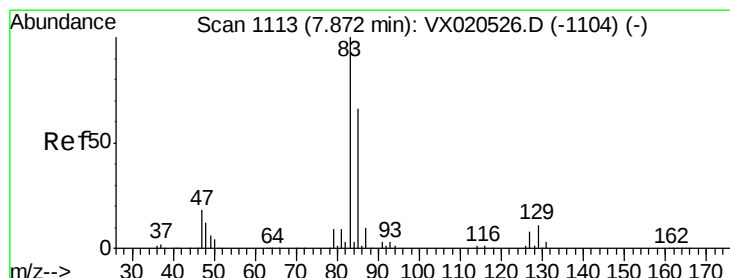
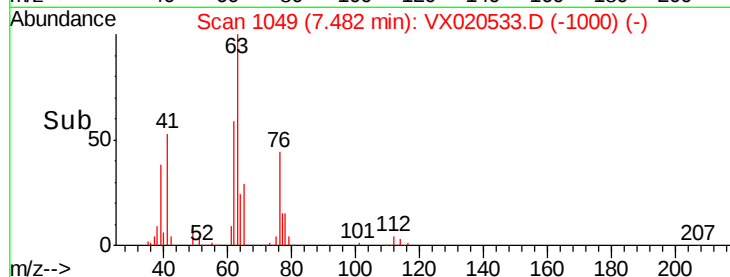
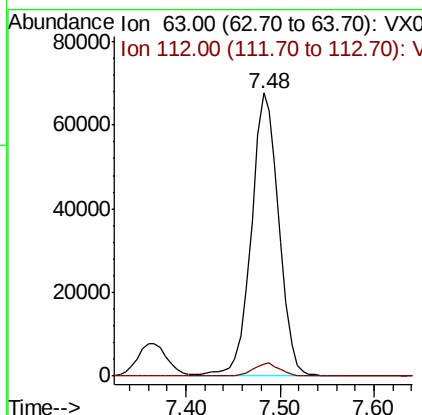
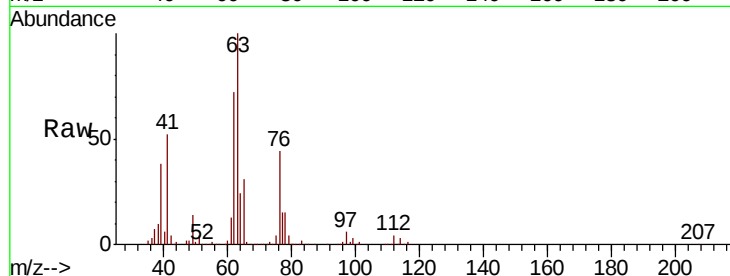




#37
 1,2-Dichloropropane
 Concen: 50.288 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

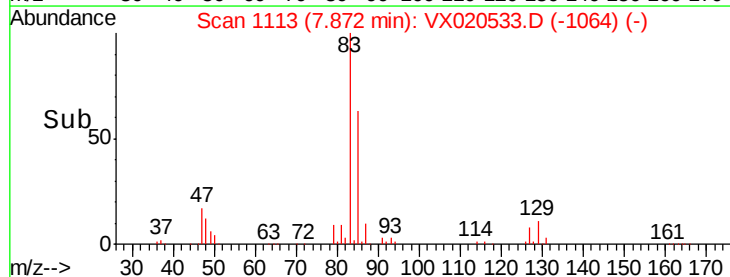
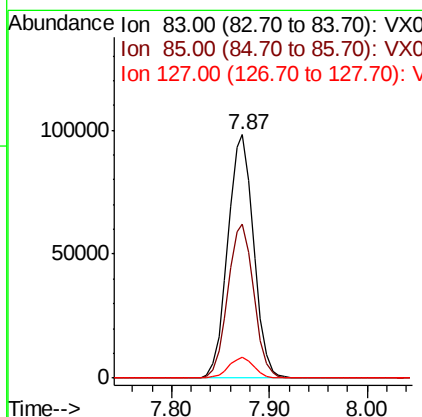
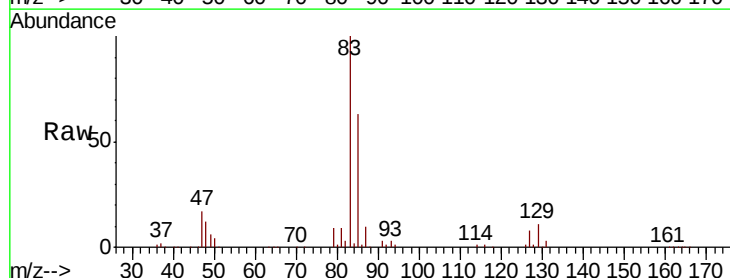
Instrument :
 MSVOA_X
 ClientSampleId :

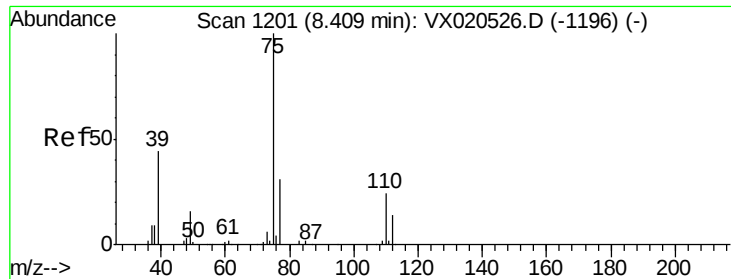
Tot Ion: 63 Resp: 139076
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 50.641 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion: 83 Resp: 179839
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.7
 127 8.4 6.6 10.0



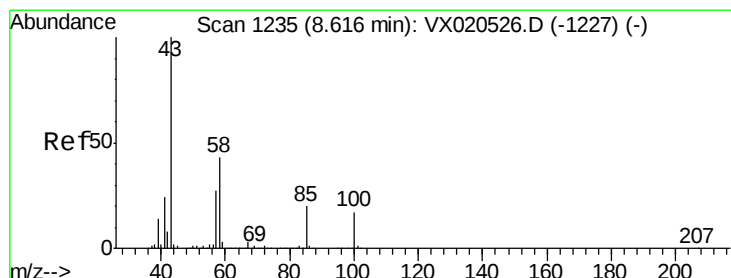
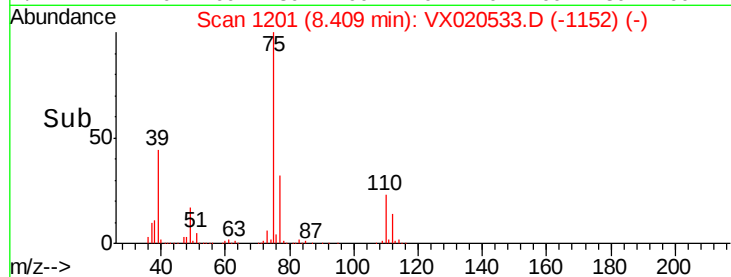
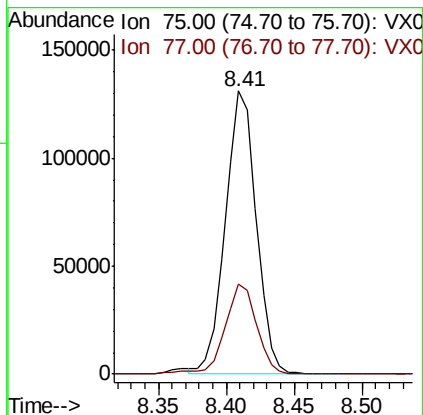
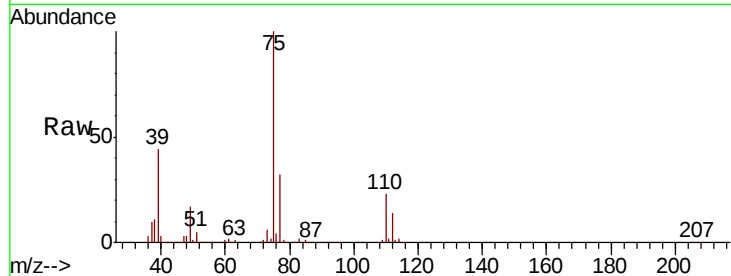


#39

cis-1,3-Dichloropropene
 Concen: 49.819 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Instrument :
 MSVOA_X
 ClientSampled :

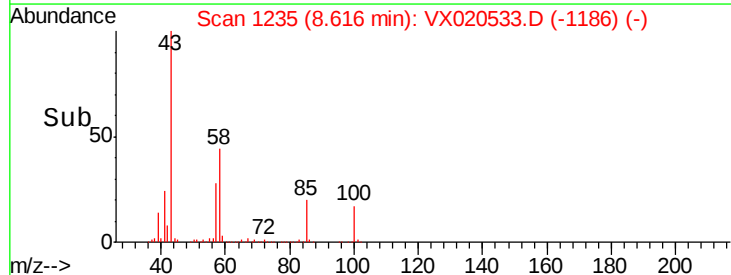
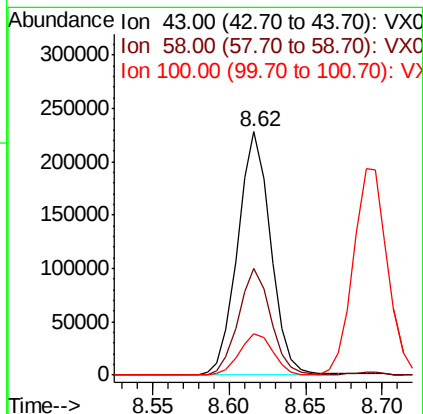
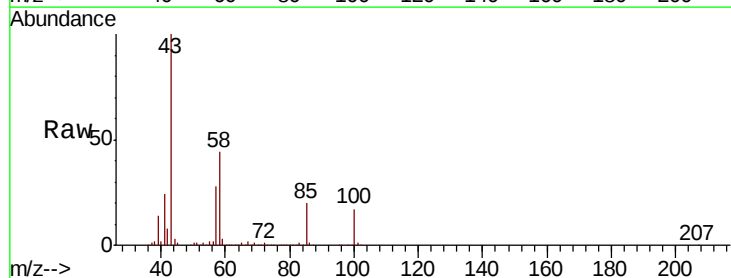
Tot Ion: 75 Resp: 207198
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.3

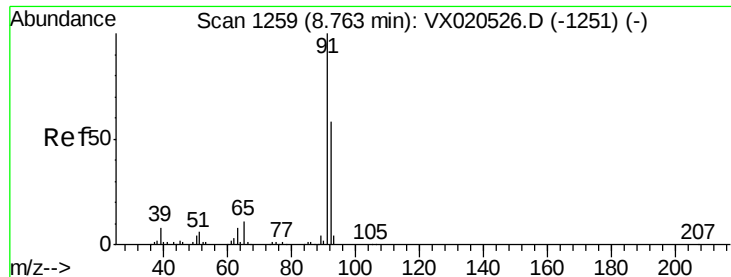


#40

4-Methyl-2-pentanone
 Concen: 94.208 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion: 43 Resp: 342304
 Ion Ratio Lower Upper
 43 100
 58 43.1 35.0 52.4
 100 17.6 14.2 21.4





#42

Toluene

Concen: 50.041 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

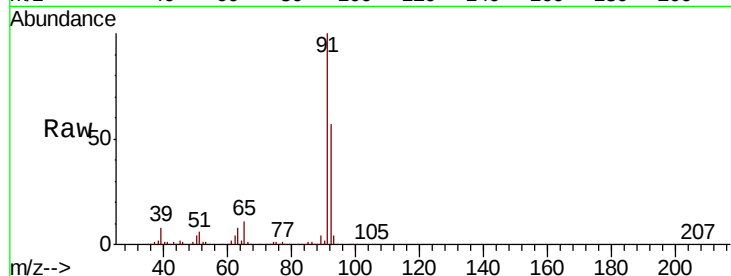
ClientSampleId :

Tot Ion: 91 Resp: 571553

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

8.76

400000

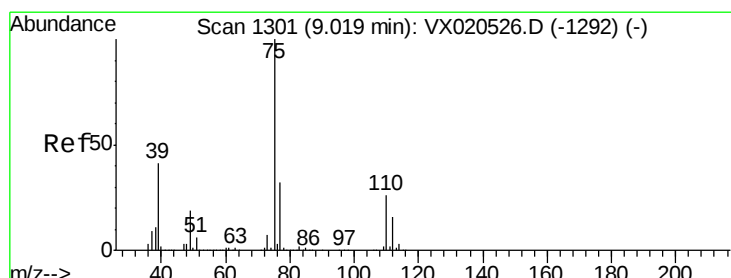
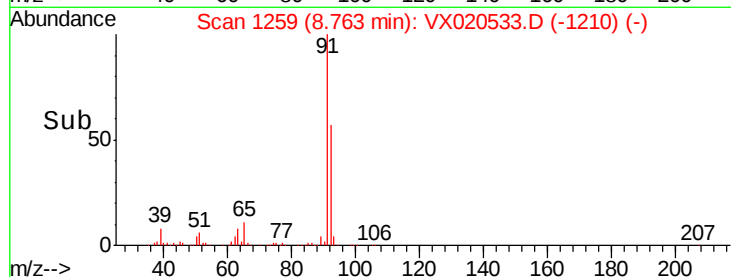
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.660 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020533.D

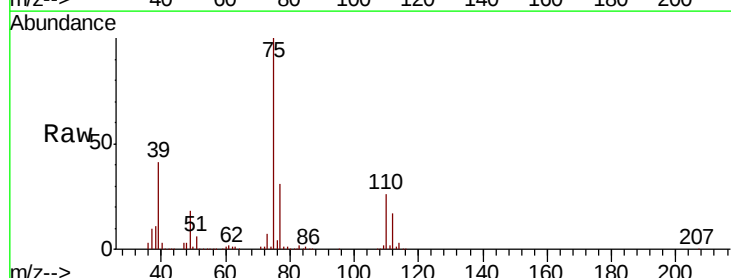
Acq: 08 Jan 2021 09:55

Tgt Ion: 75 Resp: 201633

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.02

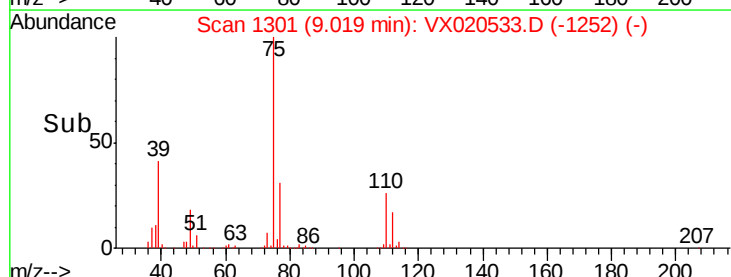
150000

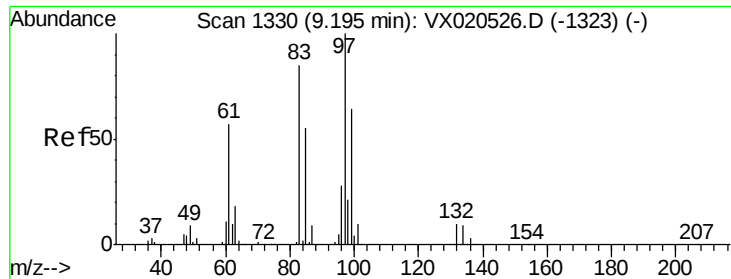
100000

50000

0

Time-->

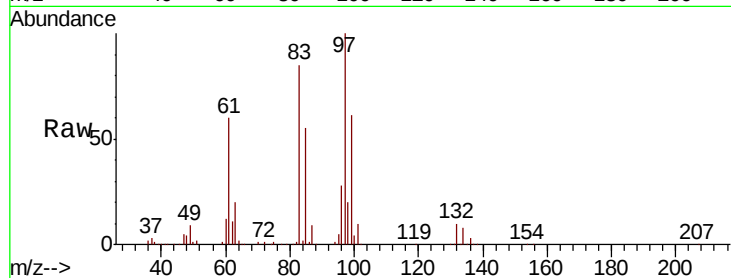




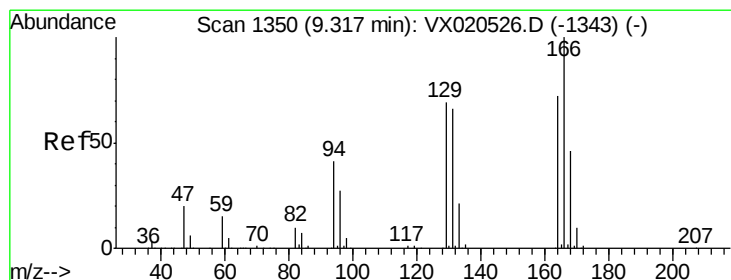
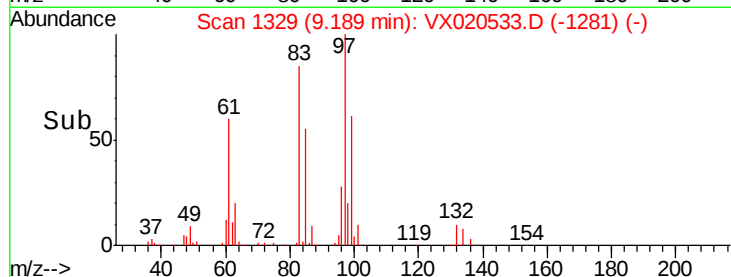
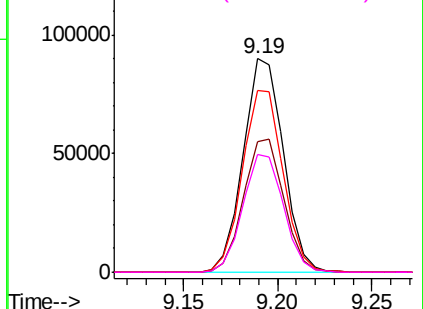
#45
1,1,2-Trichloroethane
Concen: 48.529 ug/L
RT: 9.19 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	132830
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.0	81.6
83	85.2	60.8	113.0
85	54.9	39.4	73.2

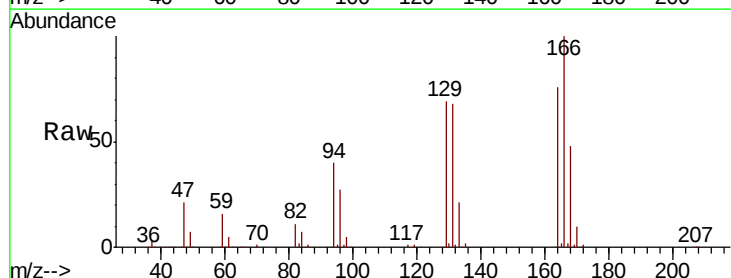


Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

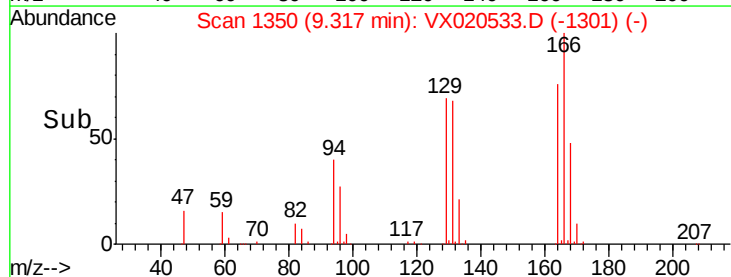
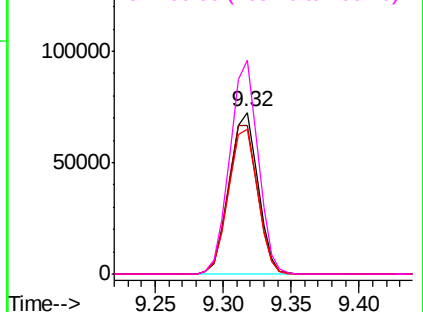


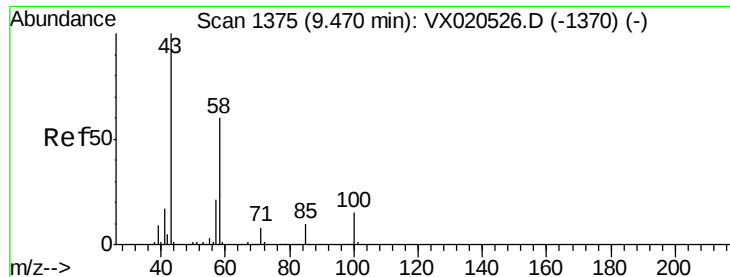
#46
Tetrachloroethene
Concen: 49.565 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion:	164	Resp:	106671
Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.6	121.8
131	89.3	63.7	118.3
166	132.2	93.0	172.6



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

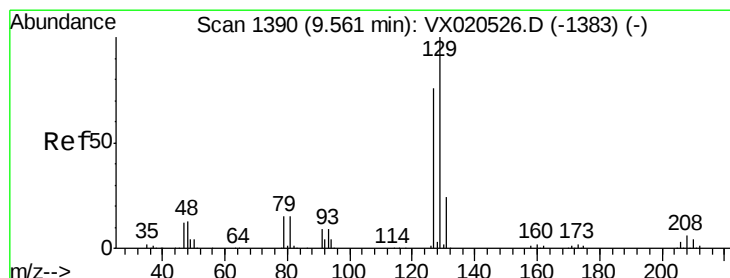
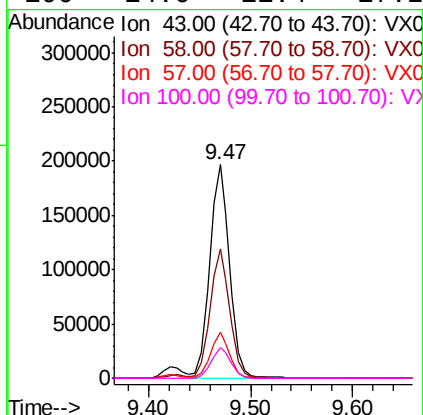
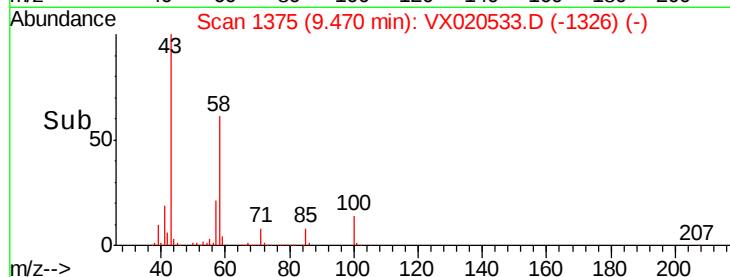
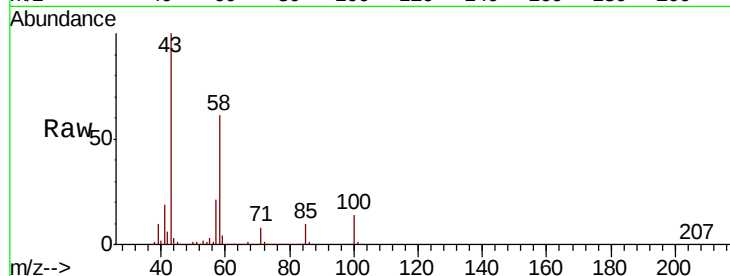




#48
2-Hexanone
Concen: 93.607 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

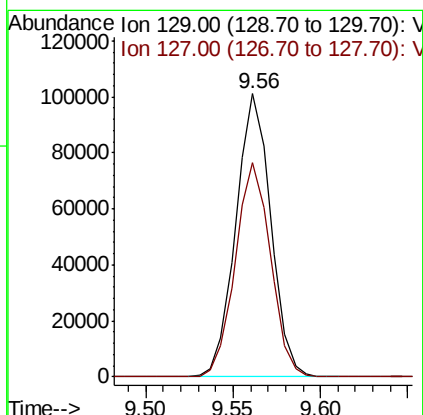
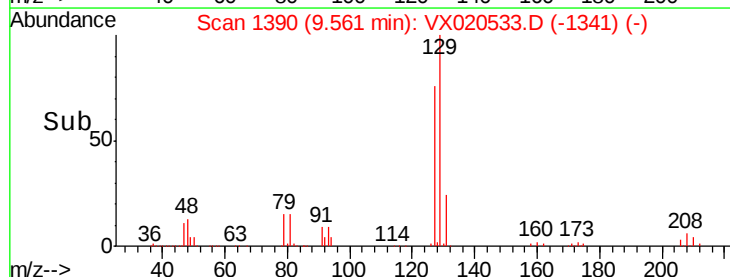
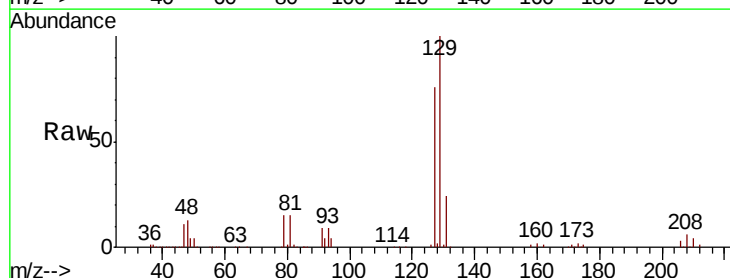
Instrument :
MSVOA_X
ClientSampleId :

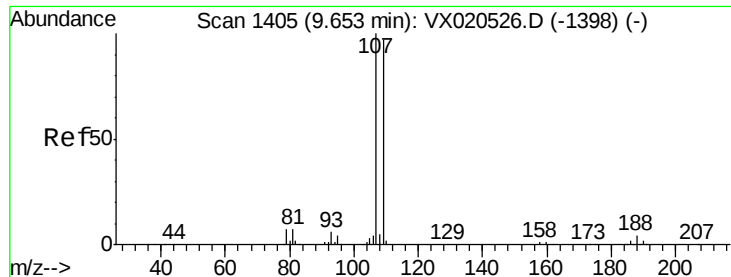
Tot Ion: 43 Resp: 268768
Ion Ratio Lower Upper
43 100
58 59.5 50.1 75.1
57 20.6 17.3 25.9
100 14.0 11.4 17.2



#49
Dibromochloromethane
Concen: 50.133 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion: 129 Resp: 140694
Ion Ratio Lower Upper
129 100
127 75.9 52.5 97.5

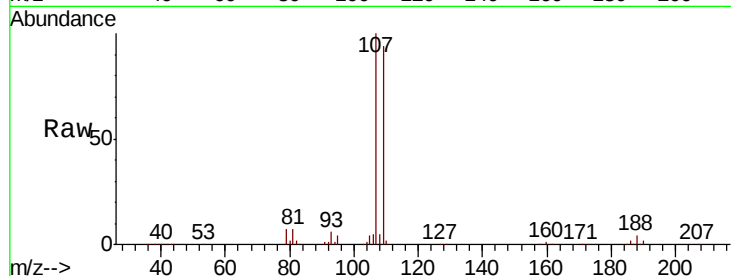




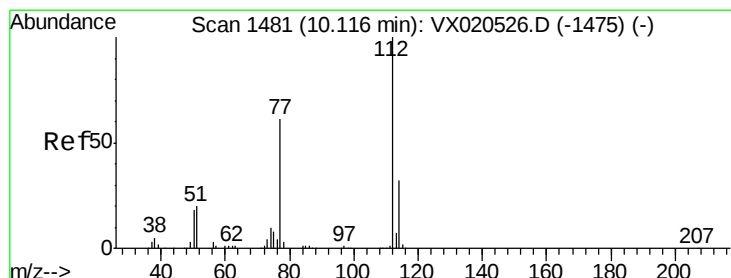
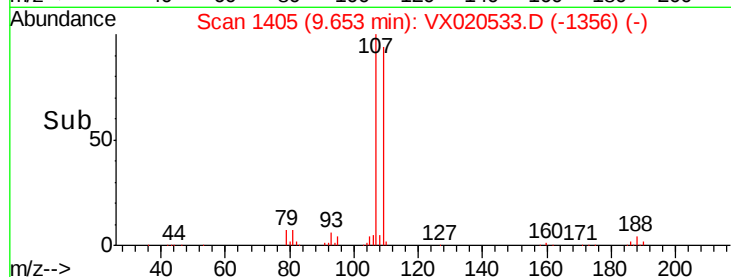
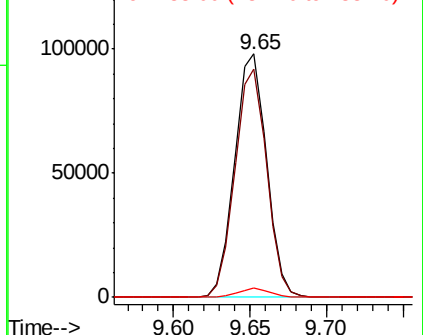
#50
1,2-Dibromoethane
Concen: 50.107 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 142072
Ion Ratio Lower Upper
107 100
109 93.9 66.4 123.4
188 3.9 3.2 4.8

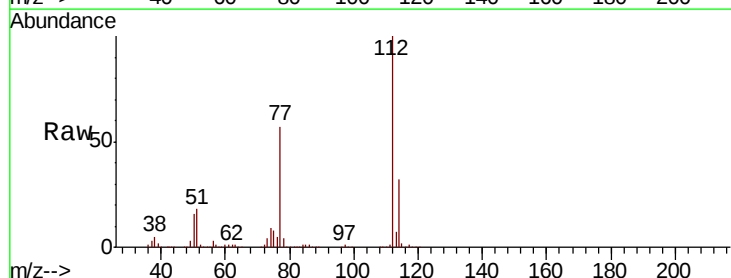


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

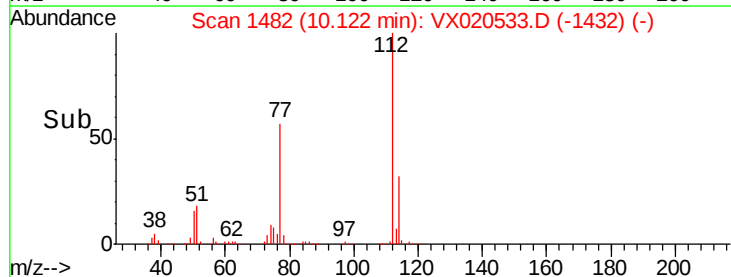
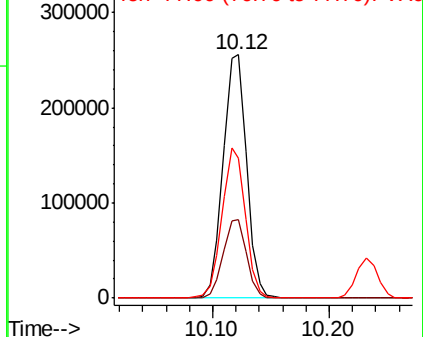


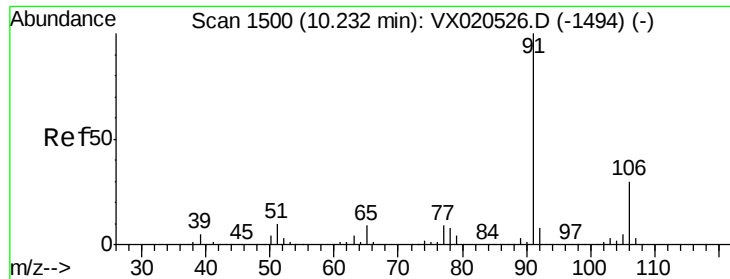
#51
Chlorobenzene
Concen: 49.442 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.01 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion:112 Resp: 357528
Ion Ratio Lower Upper
112 100
114 32.3 23.2 43.2
77 57.5 48.4 72.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.771 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

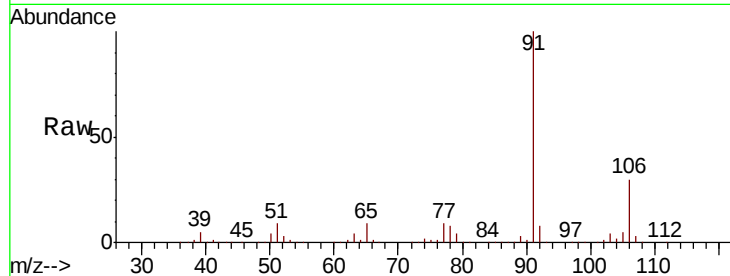
ClientSampled :

Tot Ion: 91 Resp: 620061

Ion Ratio Lower Upper

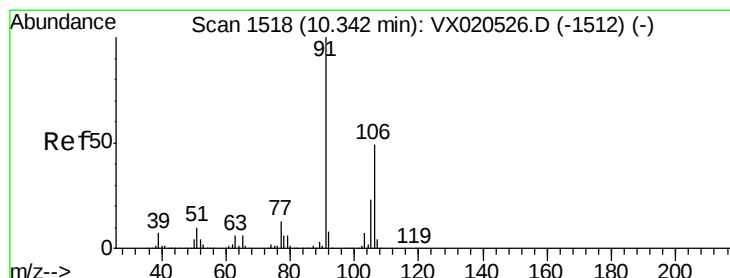
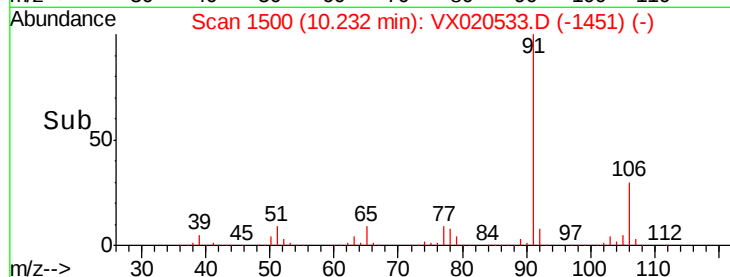
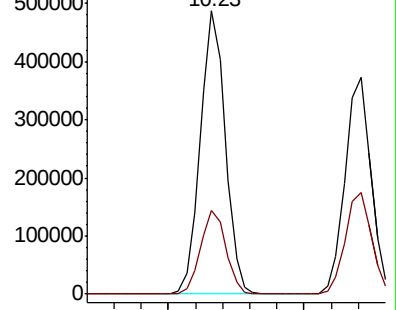
91 100

106 29.7 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 51.746 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020533.D

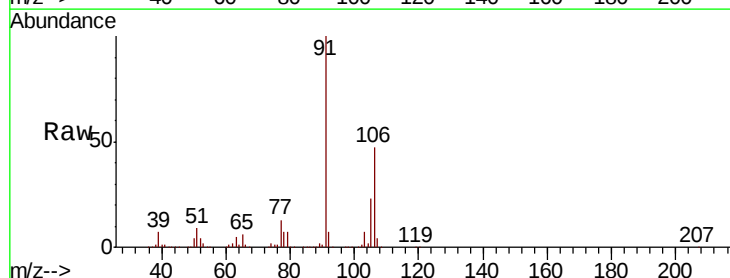
Acq: 08 Jan 2021 09:55

Tgt Ion: 106 Resp: 236114

Ion Ratio Lower Upper

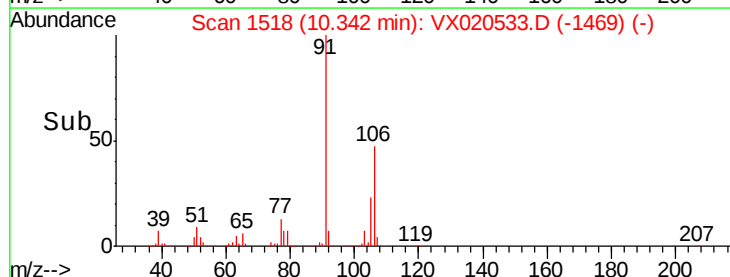
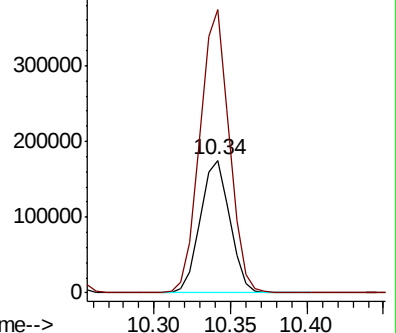
106 100

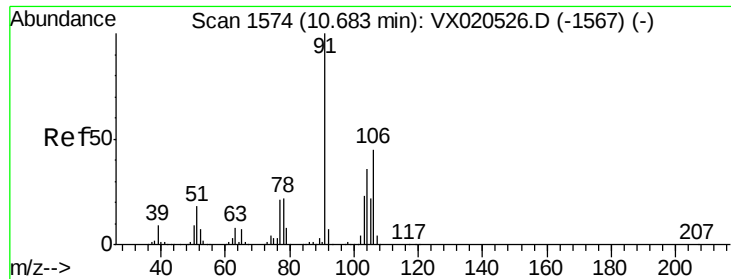
91 213.4 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

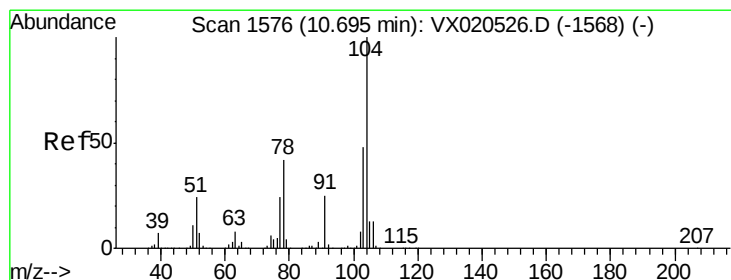
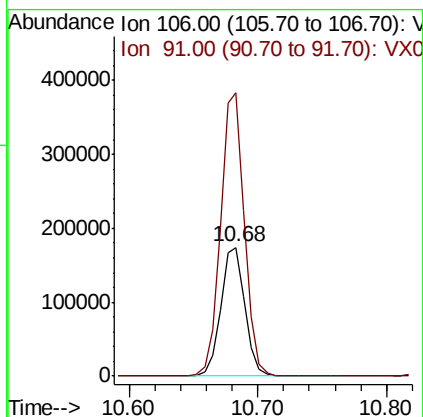
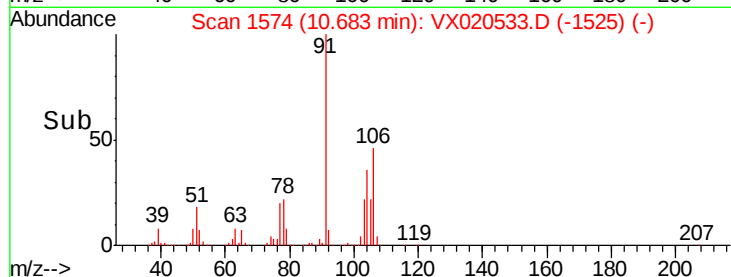
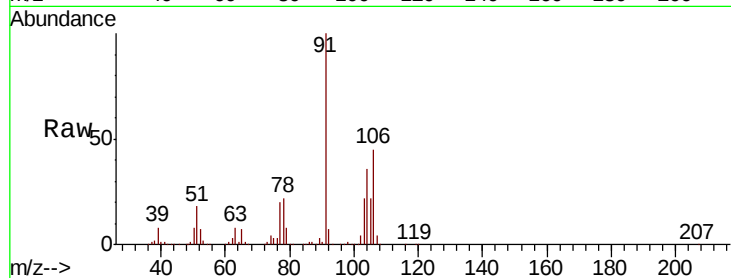




#54
o-Xylene
Concen: 51.411 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

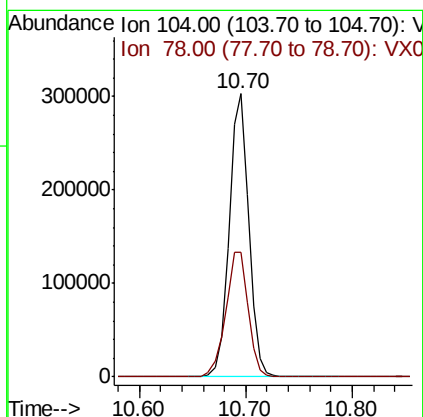
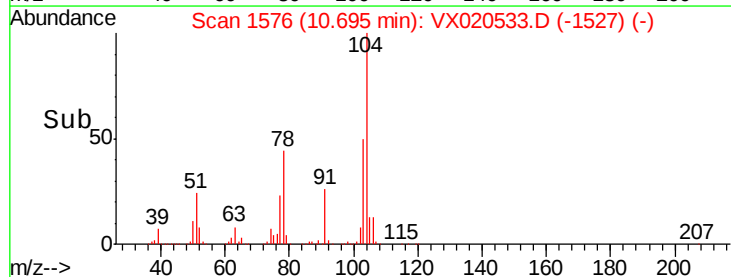
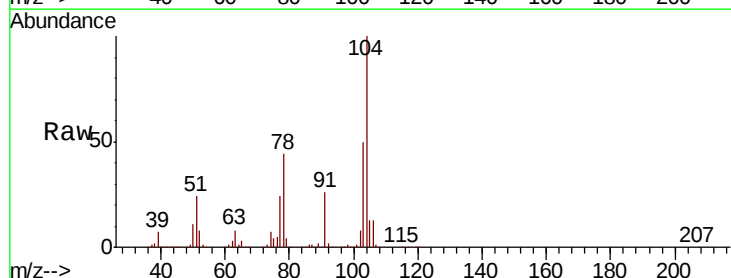
Instrument :
MSVOA_X
ClientSampled :

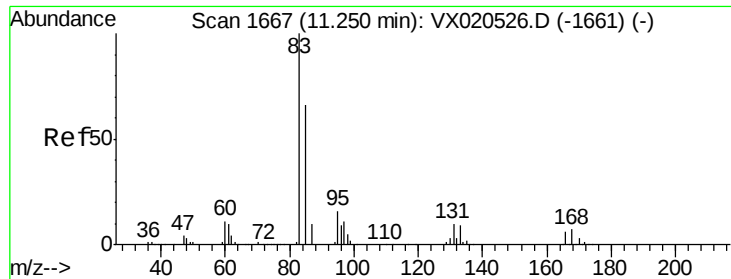
Tot Ion:106 Resp: 227655
Ion Ratio Lower Upper
106 100
91 219.9 156.2 290.0



#55
Styrene
Concen: 52.196 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020533.D
Acq: 08 Jan 2021 09:55

Tgt Ion:104 Resp: 391294
Ion Ratio Lower Upper
104 100
78 43.8 30.0 55.6

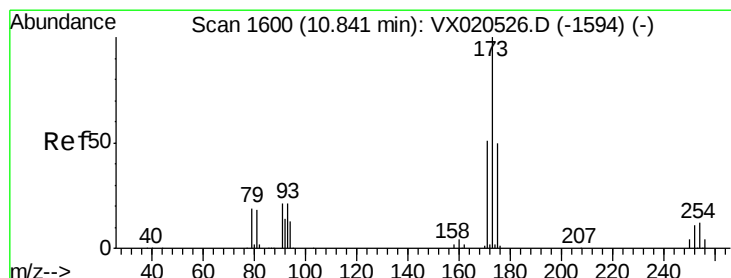
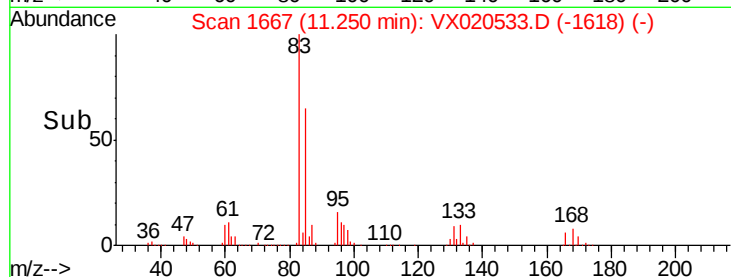
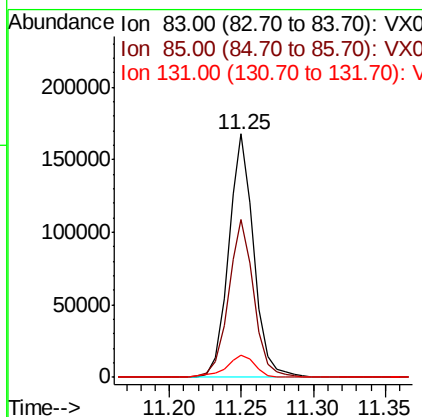
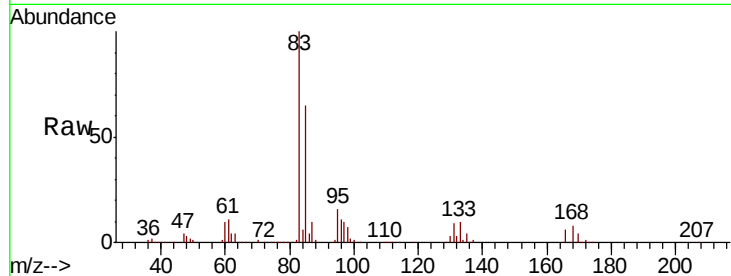




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.885 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

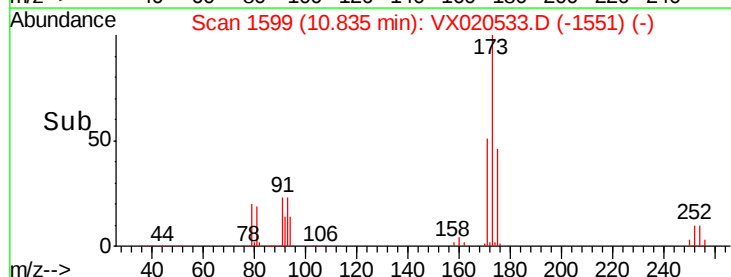
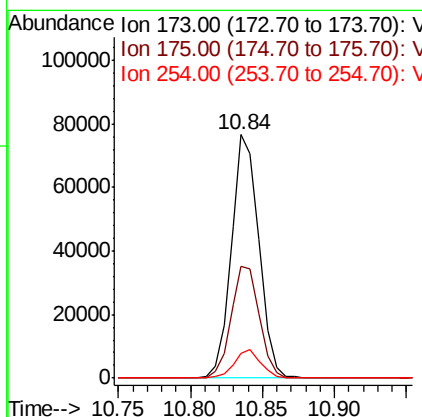
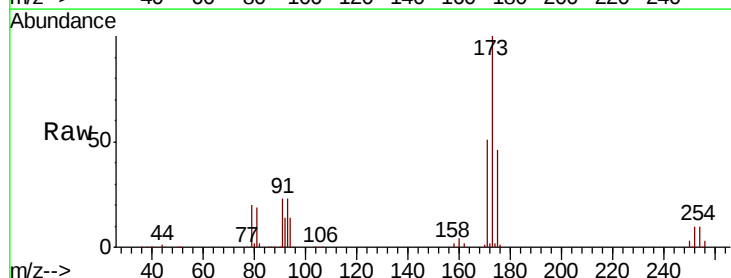
Instrument :
 MSVOA_X
 ClientSampleId :

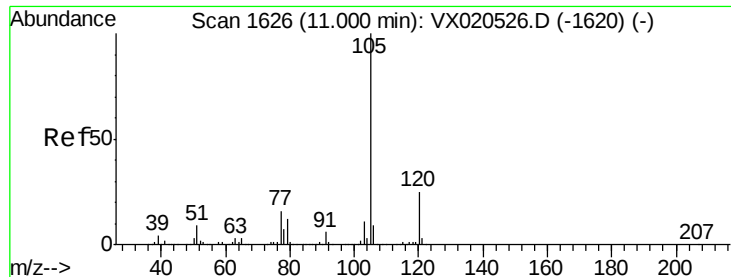
Tot Ion: 83 Resp: 203641
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 82.9
 131 9.0 7.8 11.8



#59
 Bromoform
 Concen: 50.027 ug/L
 RT: 10.84 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion: 173 Resp: 102559
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.4 59.2
 254 11.1 8.6 13.0





#60

Isopropylbenzene

Concen: 52.676 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

ClientSampleId :

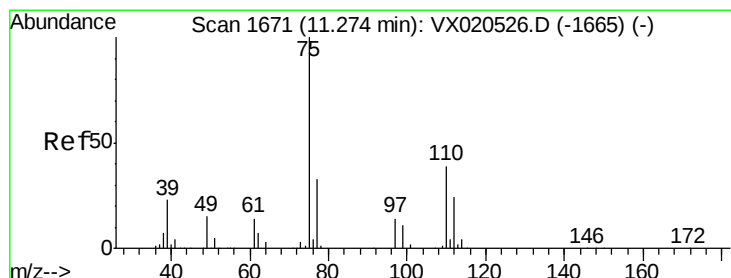
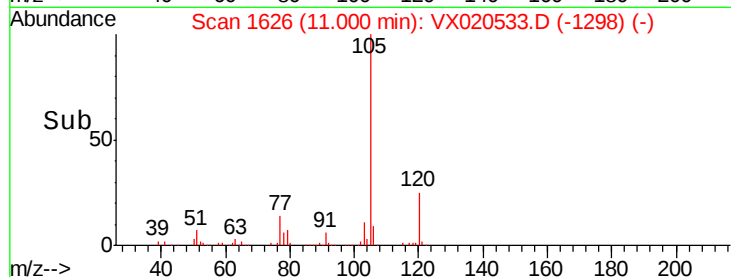
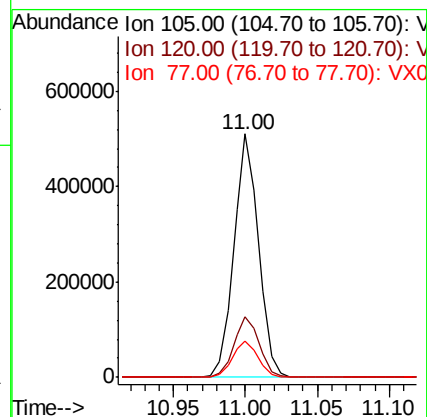
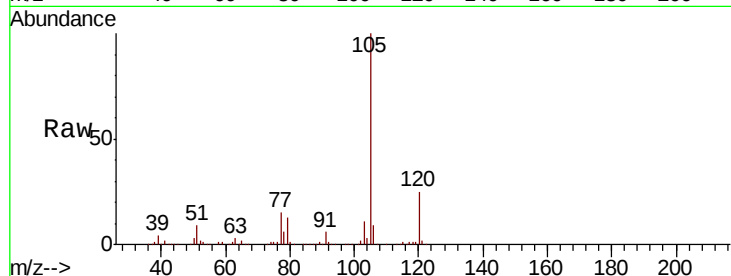
Tot Ion:105 Resp: 609575

Ion Ratio Lower Upper

105 100

120 25.7 21.2 31.8

77 15.5 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 45.583 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

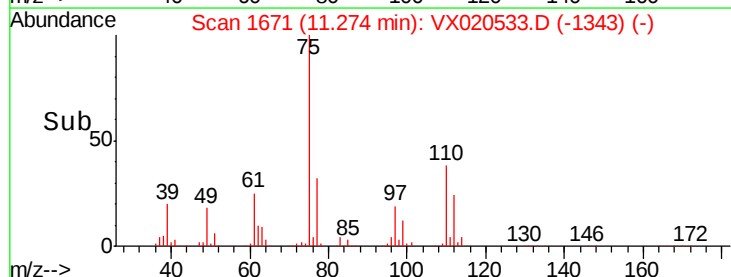
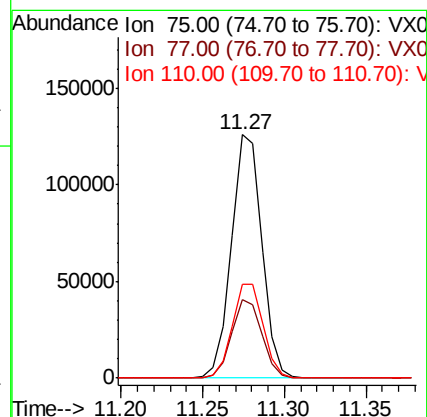
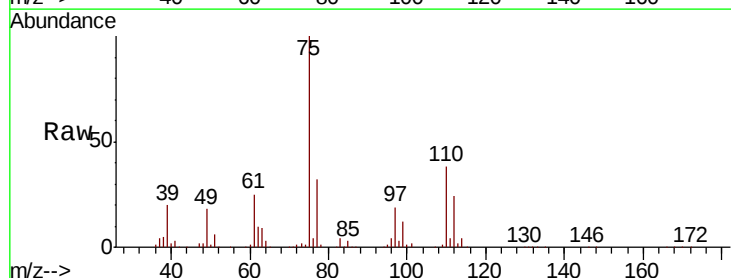
Tgt Ion: 75 Resp: 163195

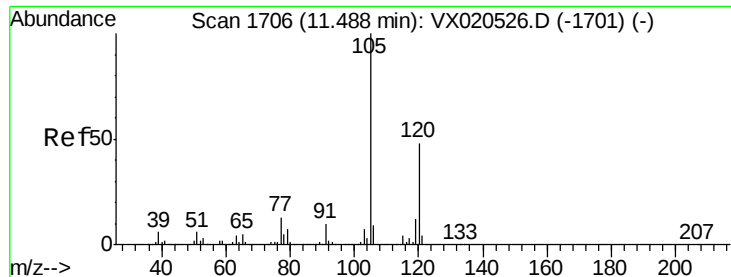
Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

110 39.2 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 53.476 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

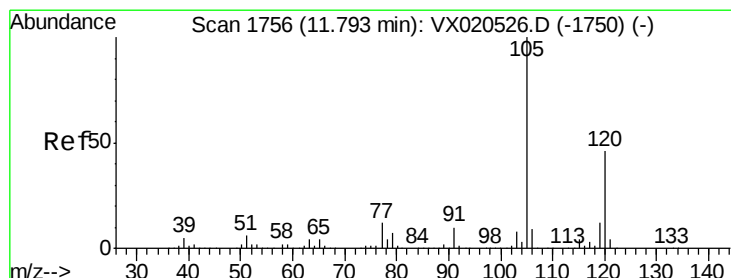
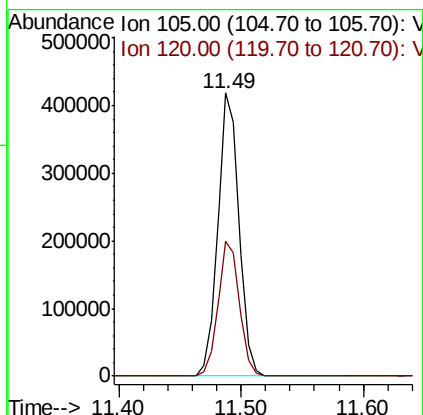
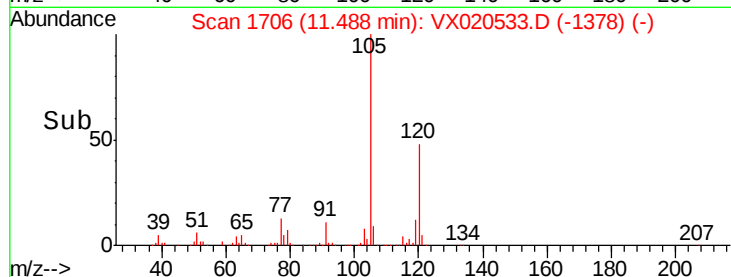
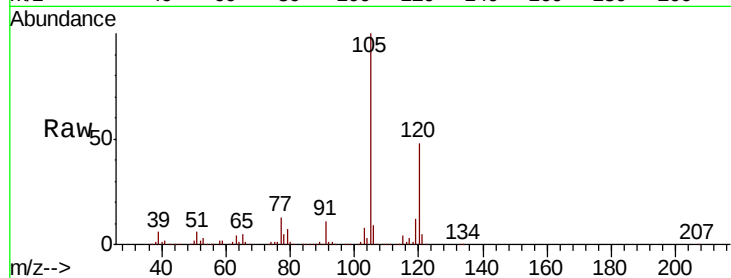
ClientSampleId :

Tot Ion:105 Resp: 504689

Ion Ratio Lower Upper

105 100

120 48.1 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 53.349 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX020533.D

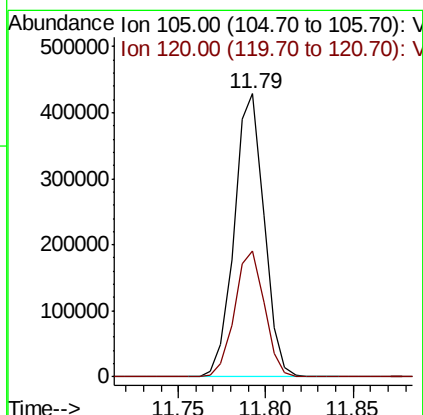
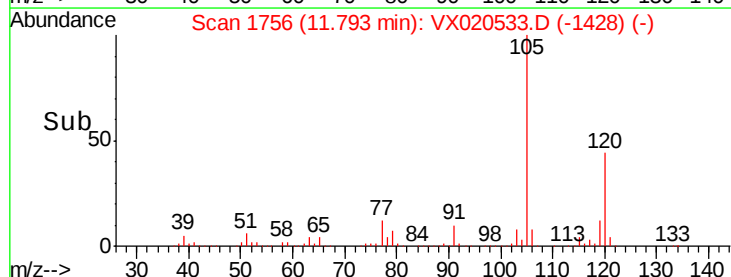
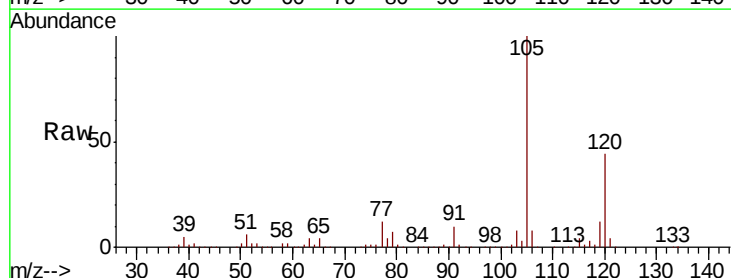
Acq: 08 Jan 2021 09:55

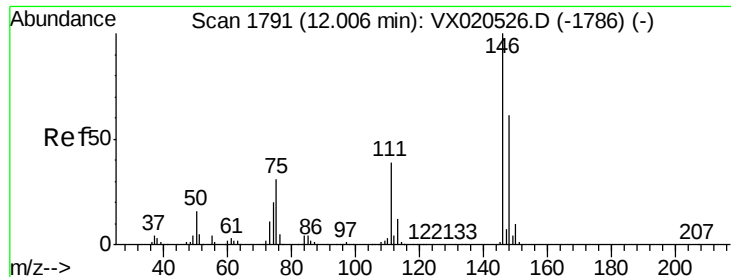
Tgt Ion:105 Resp: 508229

Ion Ratio Lower Upper

105 100

120 44.8 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 49.032 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

ClientSampleId :

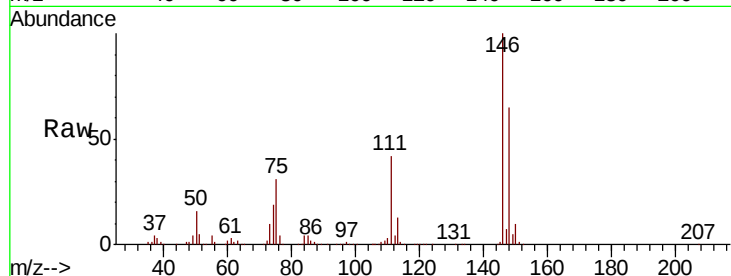
Tot Ion:146 Resp: 264704

Ion Ratio Lower Upper

146 100

111 42.2 28.9 53.7

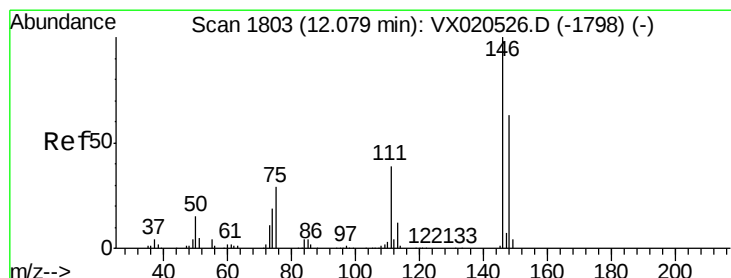
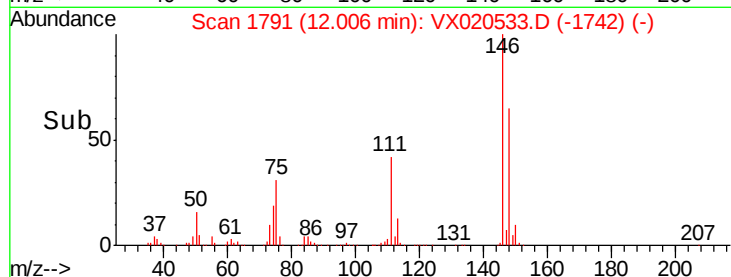
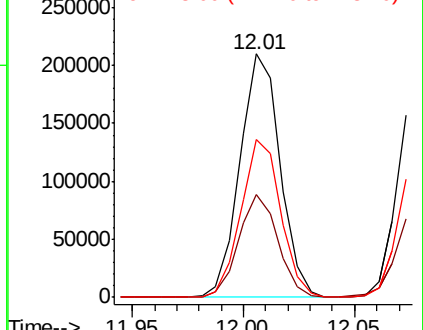
148 64.8 47.7 88.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 50.484 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

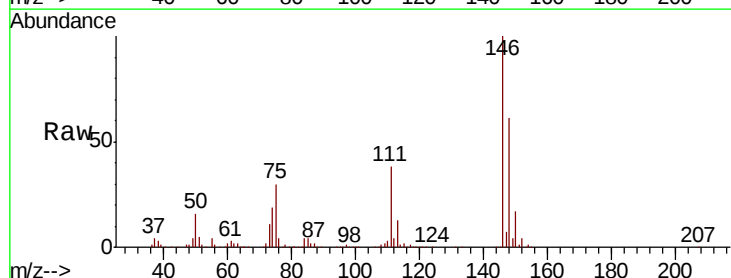
Tgt Ion:146 Resp: 275376

Ion Ratio Lower Upper

146 100

111 38.2 28.7 53.3

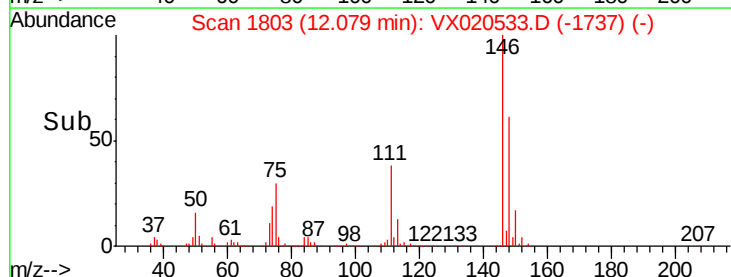
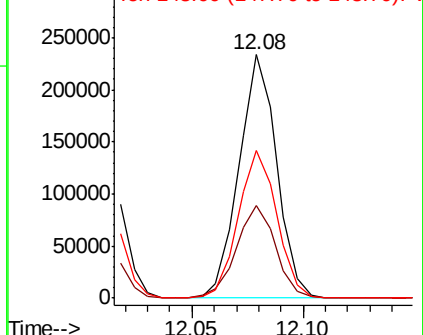
148 60.8 45.8 85.2

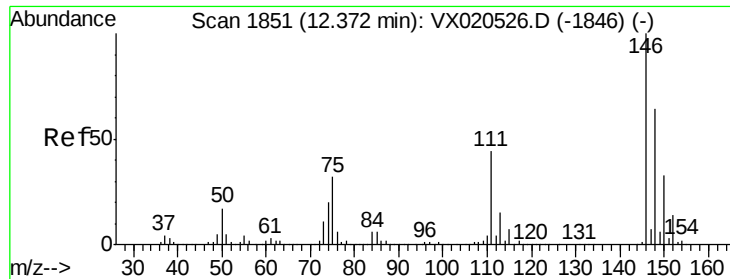


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

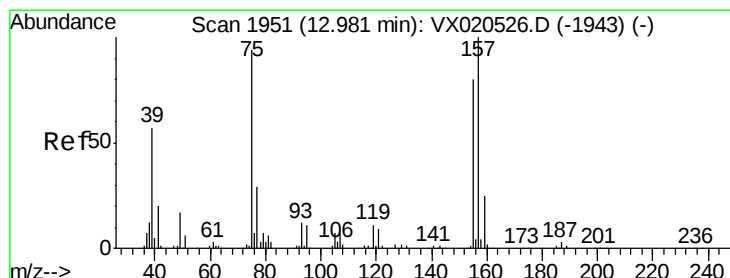
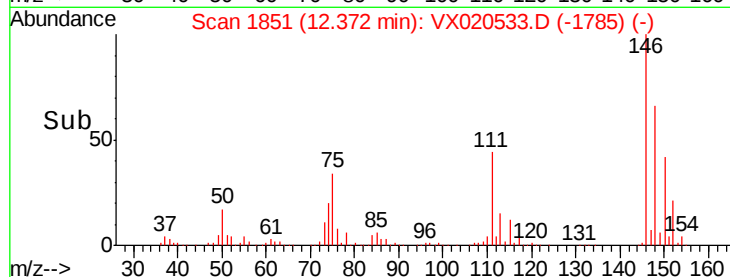
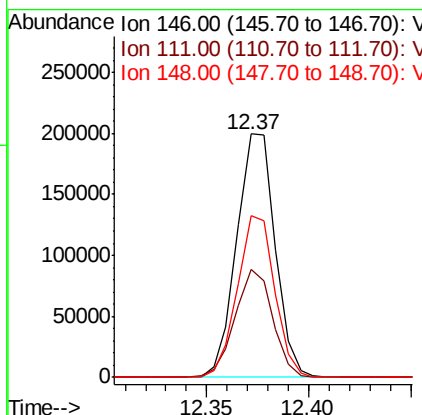
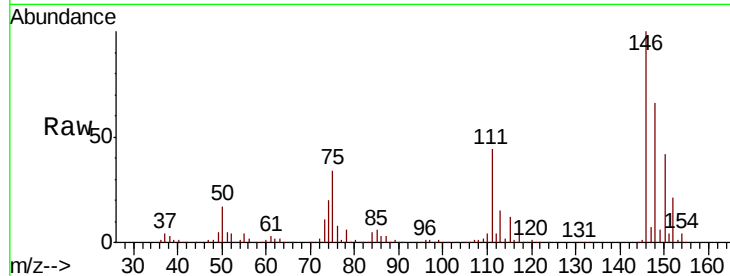




#67
 1,2-Dichlorobenzene
 Concen: 48.570 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

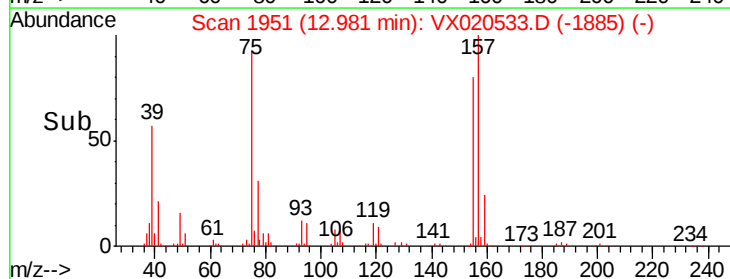
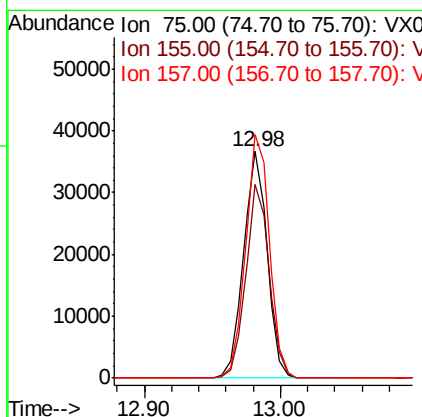
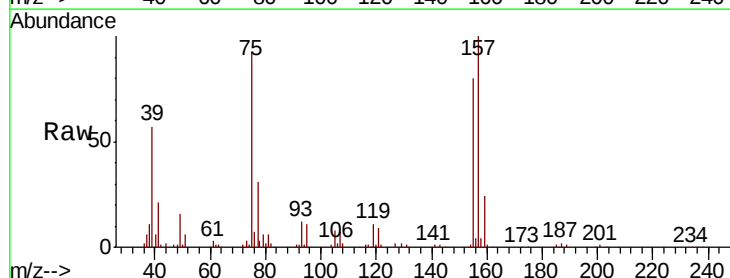
Instrument :
 MSVOA_X
 ClientSampled :

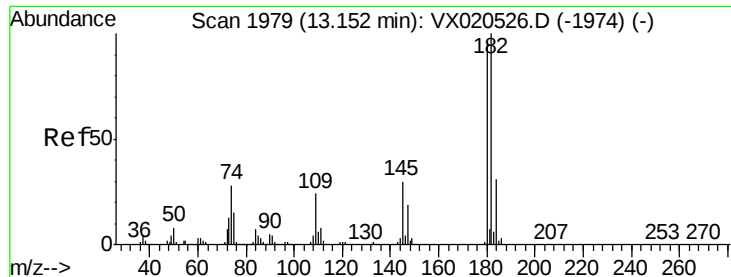
Tot Ion:146 Resp: 261431
 Ion Ratio Lower Upper
 146 100
 111 44.1 33.8 50.8
 148 66.2 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.736 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion: 75 Resp: 44134
 Ion Ratio Lower Upper
 75 100
 155 85.6 65.3 97.9
 157 107.4 80.5 120.7

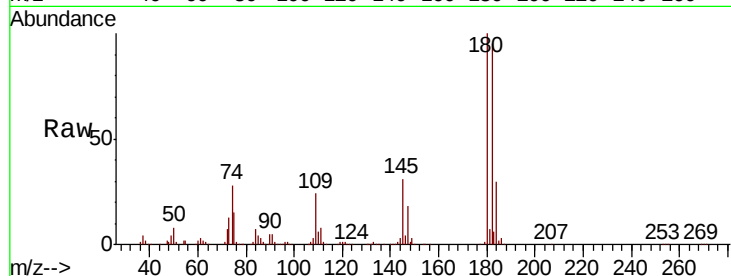




#69
 1,3,5-Trichlorobenzene
 Concen: 53.225 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.8	112.2
184	29.7	24.1	36.1
145	30.0	23.7	35.5



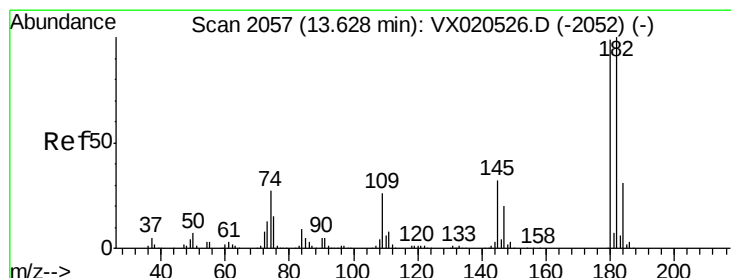
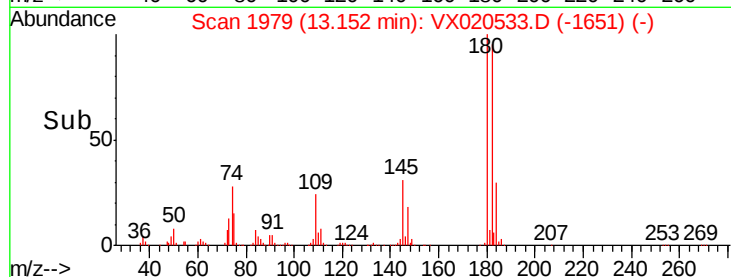
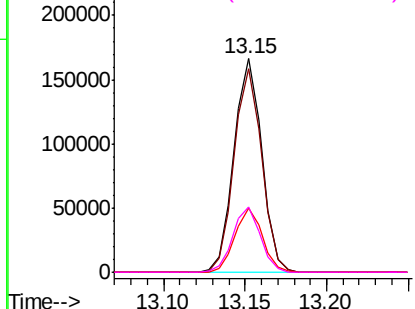
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

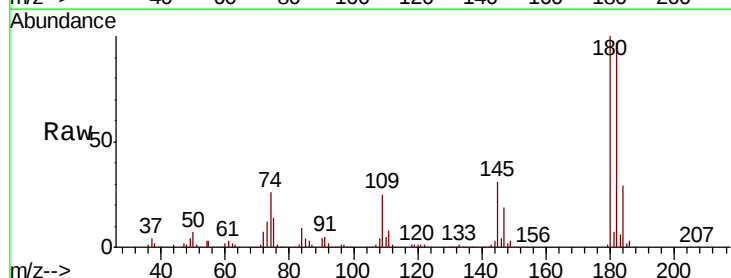
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 51.985 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020533.D
 Acq: 08 Jan 2021 09:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.3	111.5
145	30.7	24.1	36.1

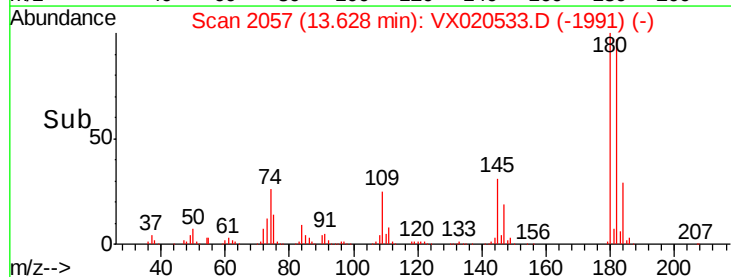
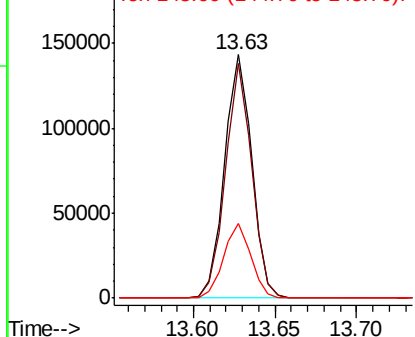


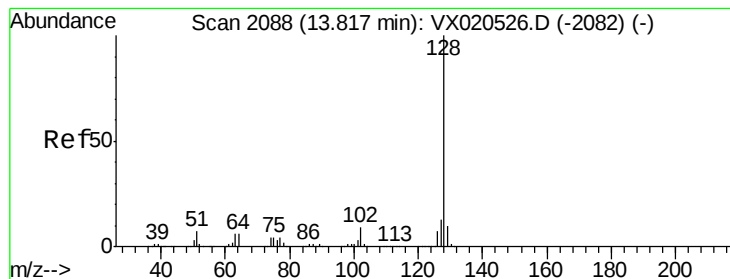
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 53.656 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

Instrument :

MSVOA_X

ClientSampleId :

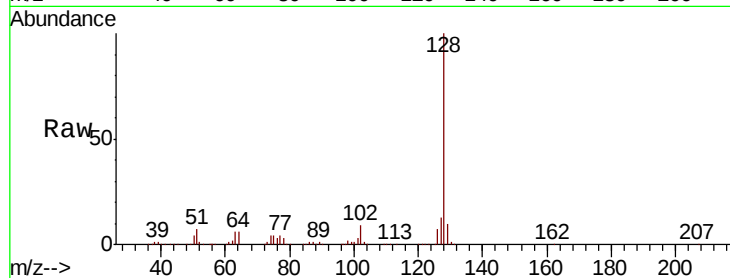
Tot Ion:128 Resp: 565634

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.6 8.6 13.0

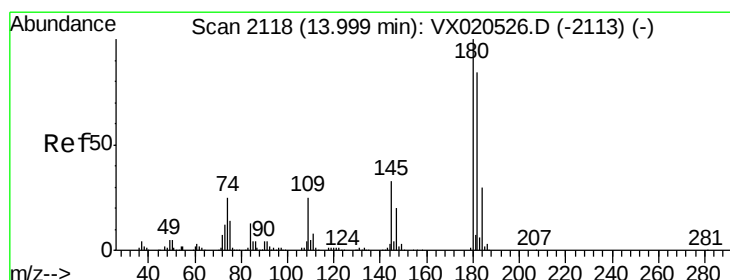
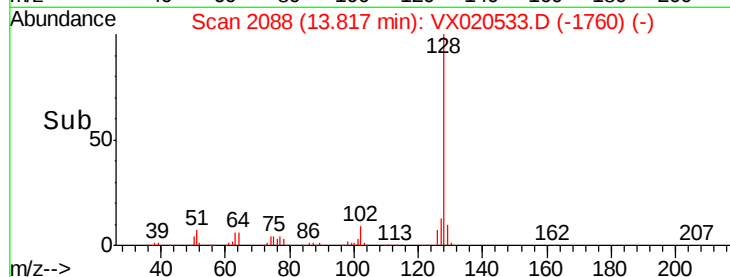
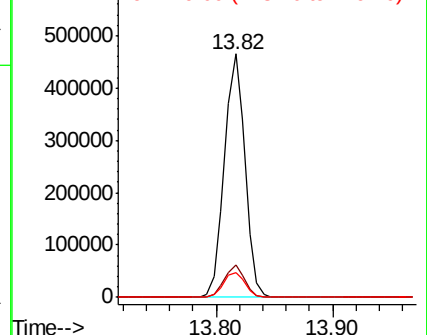


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 53.633 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX020533.D

Acq: 08 Jan 2021 09:55

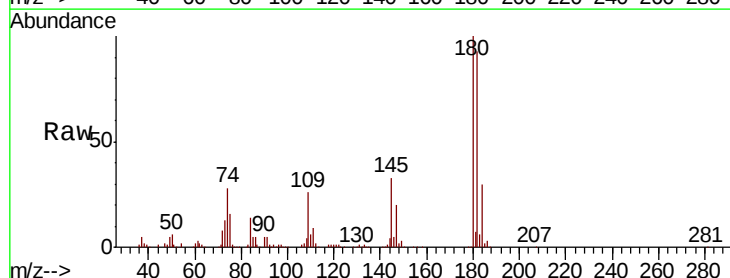
Tgt Ion:180 Resp: 176075

Ion Ratio Lower Upper

180 100

182 93.9 74.6 112.0

145 32.3 25.6 38.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

