

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO010621\
 Data File : VX020513.D
 Acq On : 06 Jan 2021 11:31
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 01:48:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 07 01:47:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	171140	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	174088	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	85064	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62635	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.69	69	57218	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.34	63	129404	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.54	46	143275	48.03	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	5.13	84	131661	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	6.03	65	62284	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	6.04	84	262060	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	7.37	67	77392	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	8.69	98	235563	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.99	79	28771	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	9.43	63	135081	50.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.02%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	54123	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
66) 1,2-Dichlorobenzene-d4	12.36	152	81240	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	102185	5.509	ug/L 100
3) Chloromethane	1.31	50	86095	5.323	ug/L 99
5) Vinyl chloride	1.39	62	93857	5.343	ug/L 100
6) Bromomethane	1.64	94	55364	5.840	ug/L 97
8) Chloroethane	1.71	64	55759	5.349	ug/L 96
9) Trichlorofluoromethane	1.92	101	123242	5.469	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	72275	5.576	ug/L 98
12) 1,1-Dichloroethene	2.36	96	67428	5.340	ug/L 98
13) Acetone	2.43	43	98018	56.727	ug/L 100
14) Carbon disulfide	2.55	76	232172	5.430	ug/L 99
15) Methyl Acetate	2.75	43	25176	5.161	ug/L 100
16) Methylene chloride	2.83	84	80360	5.123	ug/L 98
17) Methyl tert-butyl Ether	3.16	73	154586	5.370	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	76453	5.449	ug/L 99
19) 1,1-Dichloroethane	3.67	63	134130	5.378	ug/L 99
21) 2-Butanone	4.64	43	159597	54.125	ug/L 99
22) cis-1,2-Dichloroethene	4.56	96	79374	5.409	ug/L 96

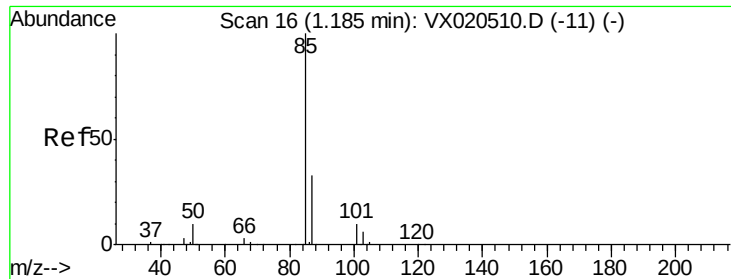
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX010621\
 Data File : VX020513.D
 Acq On : 06 Jan 2021 11:31
 Operator : JC/MD
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Quant Time: Jan 07 01:48:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 07 01:47:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.97	128	34450	5.289	ug/L	98
25) Chloroform	5.17	83	140598	5.349	ug/L	99
27) 1,2-Dichloroethane	6.15	62	82470	5.469	ug/L	100
29) 1,1,1-Trichloroethane	5.46	97	123668	5.360	ug/L	100
30) Cyclohexane	5.54	56	116334	5.333	ug/L	99
31) Carbon tetrachloride	5.74	117	105591	5.333	ug/L	98
33) Benzene	6.10	78	313944	5.280	ug/L	100
34) Trichloroethene	7.18	95	81176	5.273	ug/L	99
35) Methylcyclohexane	7.43	83	125270	5.391	ug/L	99
37) 1,2-Dichloropropane	7.48	63	76635	5.225	ug/L	100
38) Bromodichloromethane	7.87	83	96934	5.408	ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	103158	5.188	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	381867	53.179	ug/L	99
42) Toluene	8.76	91	335025	5.416	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	89562	5.359	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	54303	5.247	ug/L	99
47) Tetrachloroethene	9.32	164	66608	5.334	ug/L	97
48) 2-Hexanone	9.47	43	287581	58.071	ug/L	100
49) Dibromochloromethane	9.56	129	61983	5.511	ug/L	92
50) 1,2-Dibromoethane	9.65	107	50457	5.435	ug/L	96
51) Chlorobenzene	10.12	112	203782	5.258	ug/L	98
52) Ethylbenzene	10.23	91	364472	5.663	ug/L	100
53) m,p-xylene	10.34	106	137583	5.622	ug/L	92
54) o-xylene	10.68	106	129737	5.565	ug/L	97
55) Styrene	10.70	104	223487	5.708	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	57929	5.020	ug/L	99
59) Bromoform	10.84	173	32300	5.499	ug/L	98
60) Isopropylbenzene	11.00	105	355399	6.035	ug/L	99
61) 1,2,3-Trichloropropane	11.27	75	43453	5.295	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	277235	5.842	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	286677	6.039	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	158176	5.558	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	162828	5.664	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	149412	5.635	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	9595	5.446	ug/L	95
69) 1,3,5-Trichlorobenzene	13.15	180	117424	5.429	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	95133	5.516	ug/L	98
71) Naphthalene	13.82	128	156585	5.532	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	88264	5.531	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.509 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

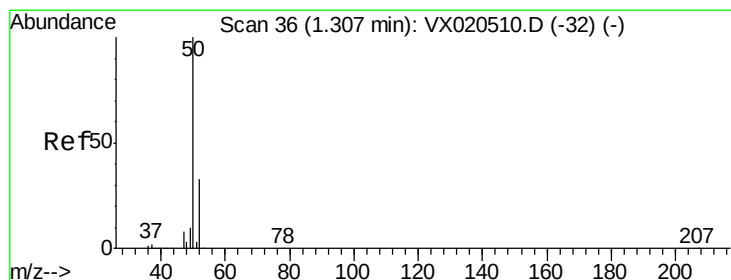
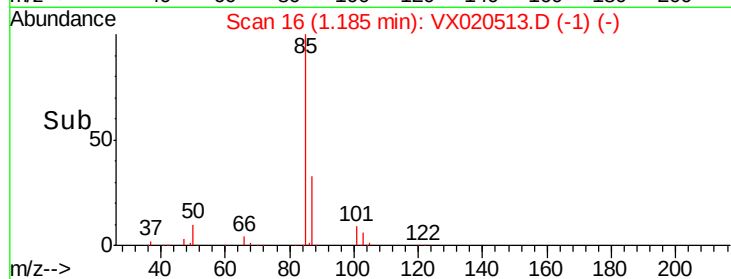
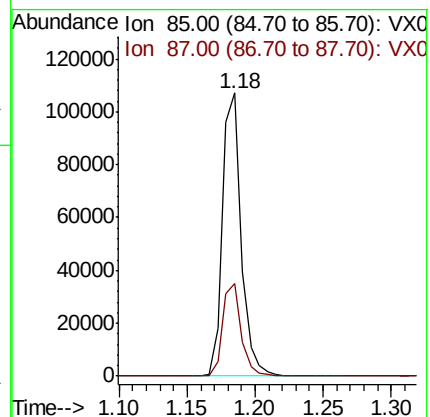
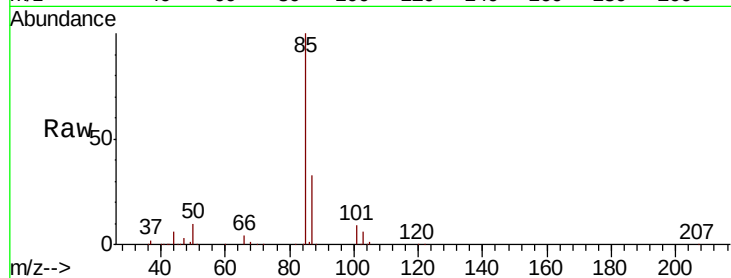
ClientSampleId :

Tot Ion: 85 Resp: 102185

Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



#3

Chloromethane

Concen: 5.323 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX020513.D

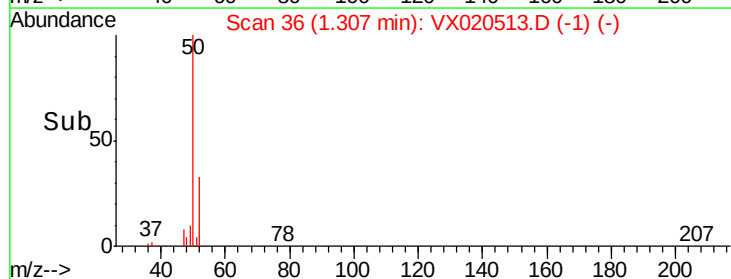
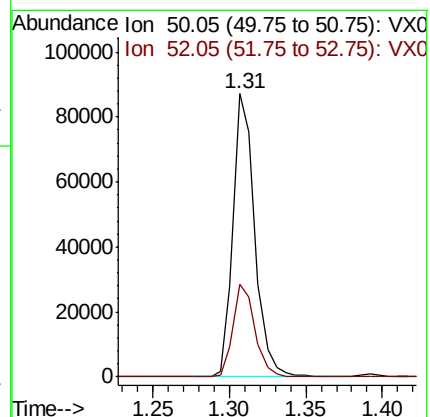
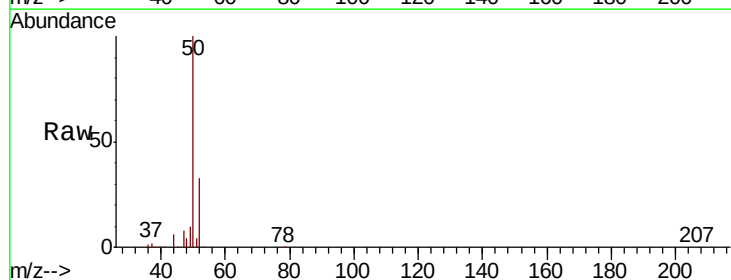
Acq: 06 Jan 2021 11:31

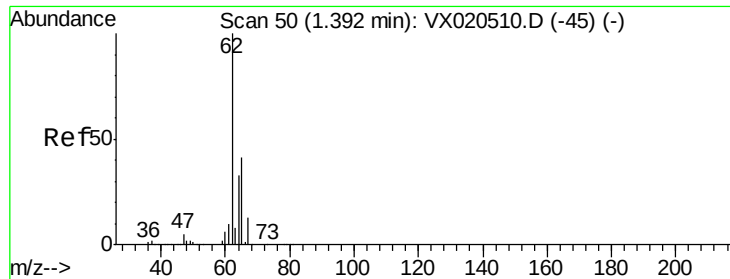
Tgt Ion: 50 Resp: 86095

Ion Ratio Lower Upper

50 100

52 32.9 23.5 43.7





#5

Vinyl chloride

Concen: 5.343 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

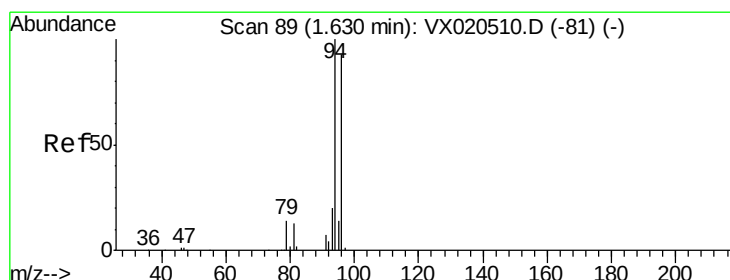
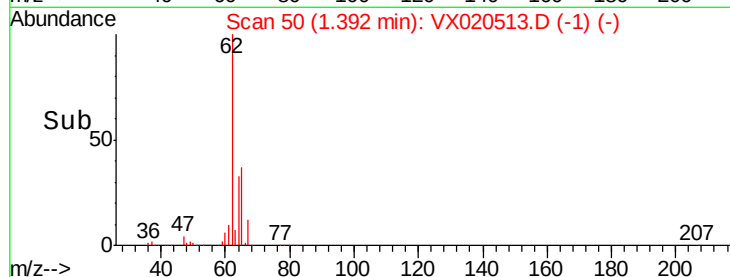
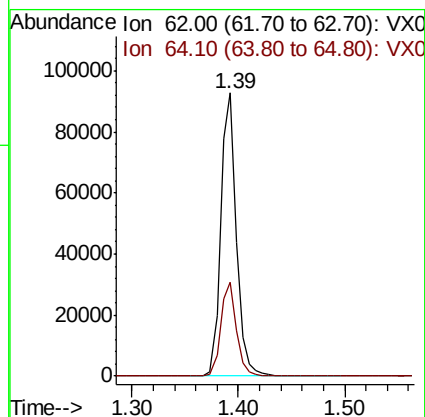
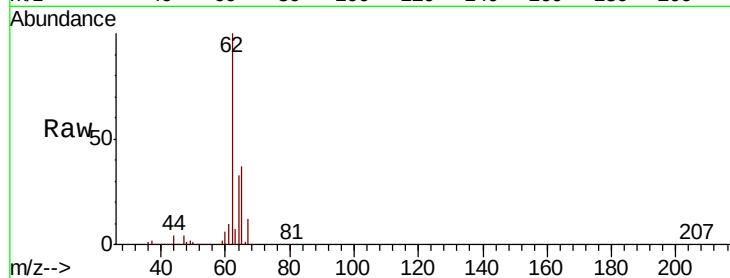
ClientSampleId :

Tot Ion: 62 Resp: 93857

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



#6

Bromomethane

Concen: 5.840 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020513.D

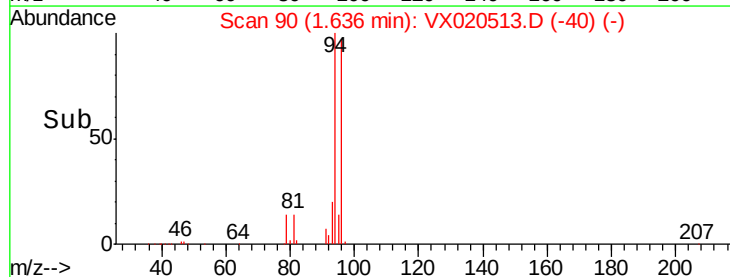
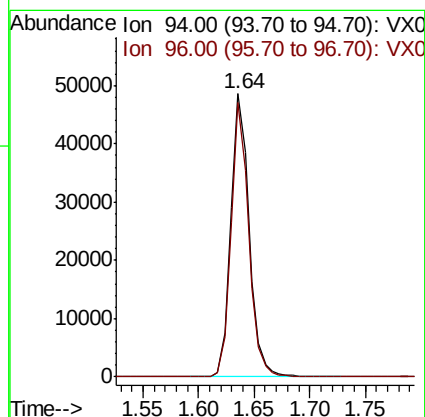
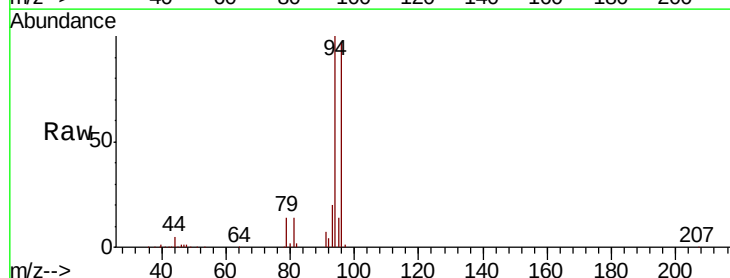
Acq: 06 Jan 2021 11:31

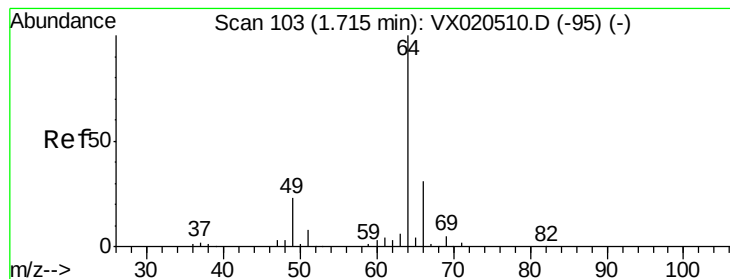
Tgt Ion: 94 Resp: 55364

Ion Ratio Lower Upper

94 100

96 96.7 65.7 121.9





#8

Chloroethane

Concen: 5.349 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

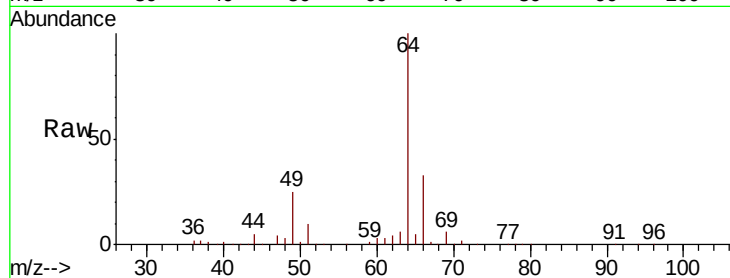
ClientSampled :

Tot Ion: 64 Resp: 55759

Ion Ratio Lower Upper

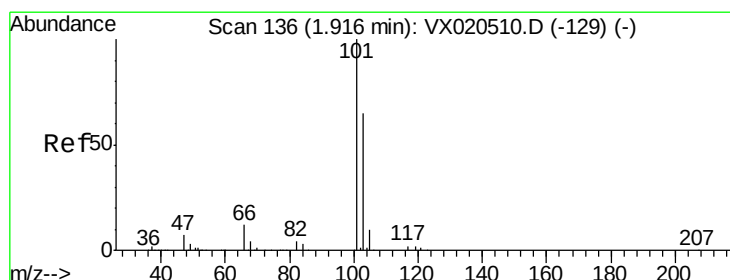
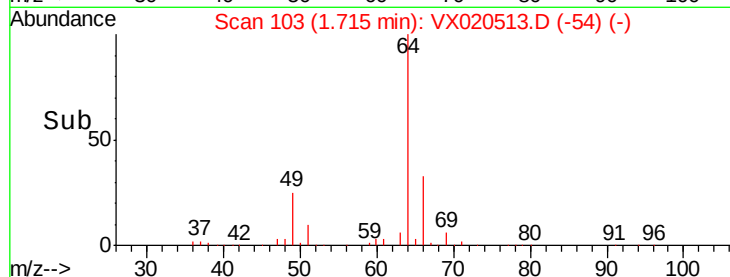
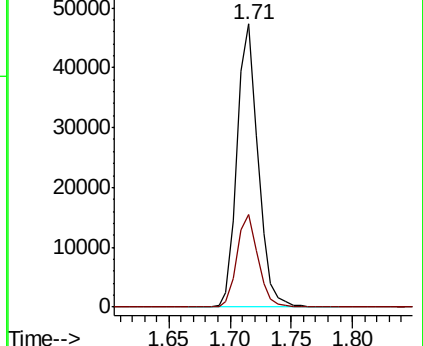
64 100

66 32.6 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0



#9

Trichlorofluoromethane

Concen: 5.469 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020513.D

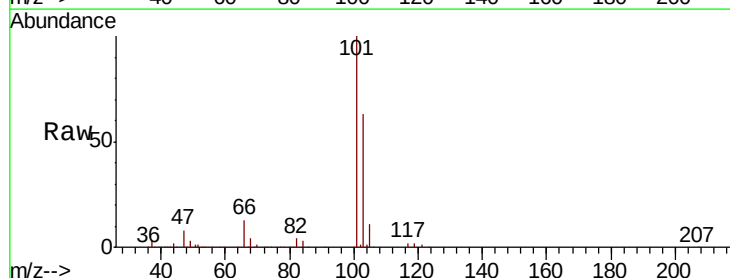
Acq: 06 Jan 2021 11:31

Tgt Ion:101 Resp: 123242

Ion Ratio Lower Upper

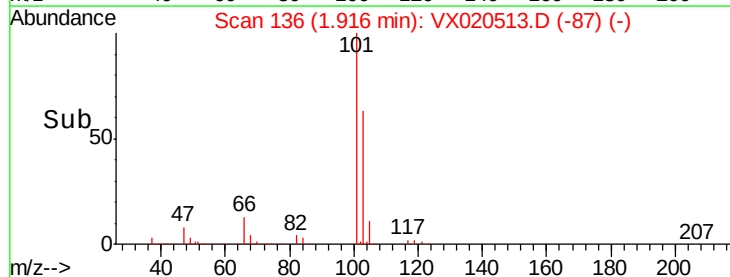
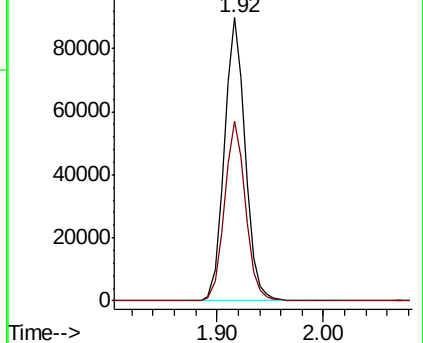
101 100

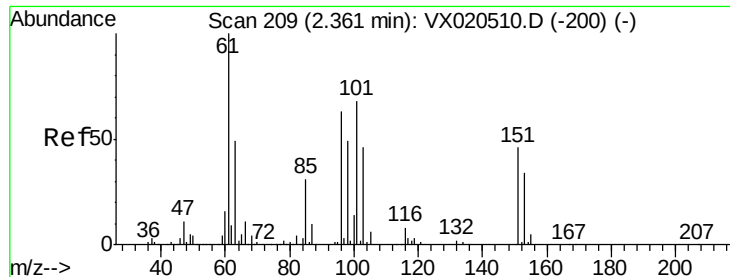
103 63.9 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.576 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

ClientSampled :

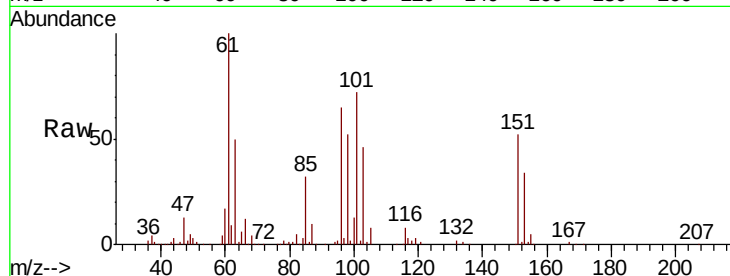
Tot Ion:101 Resp: 72275

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

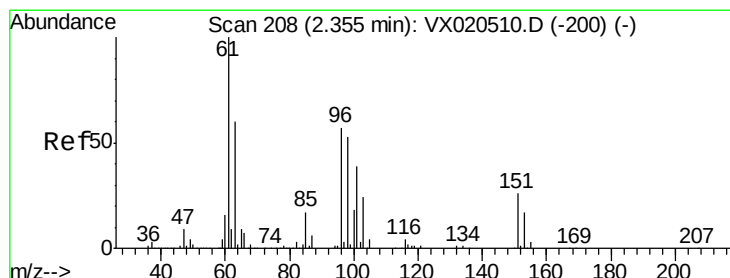
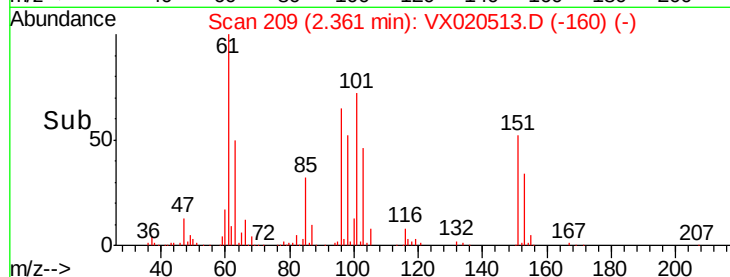
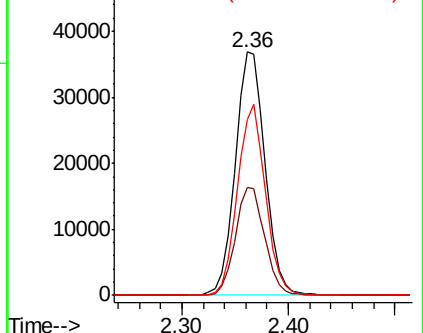
151 73.9 61.0 91.6



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: 5.340 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

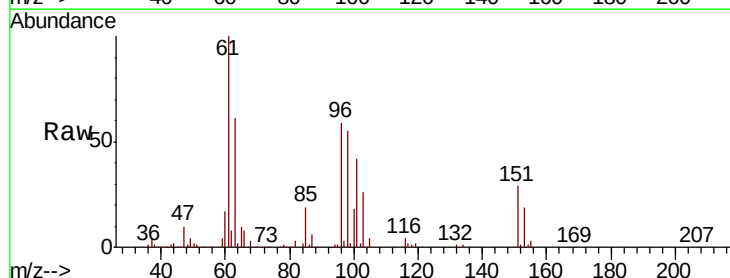
Tgt Ion: 96 Resp: 67428

Ion Ratio Lower Upper

96 100

61 170.1 118.2 219.6

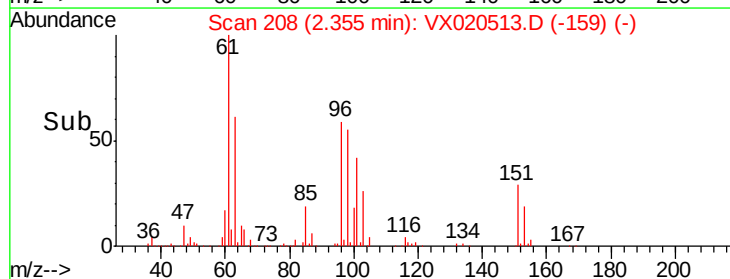
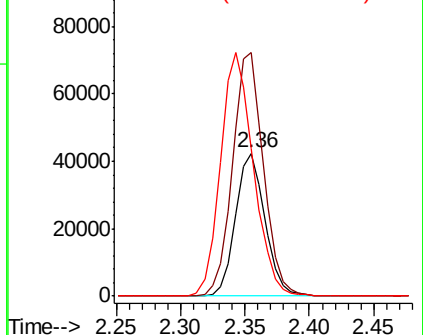
63 103.3 74.2 137.8

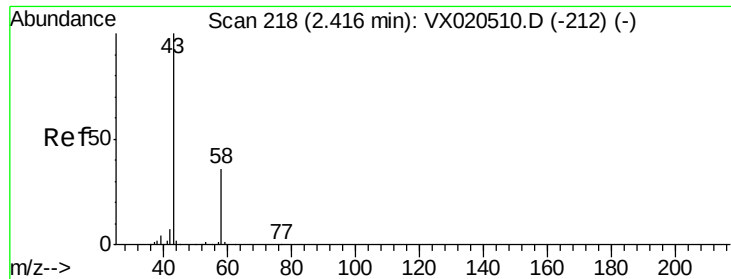


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 56.727 ug/L

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

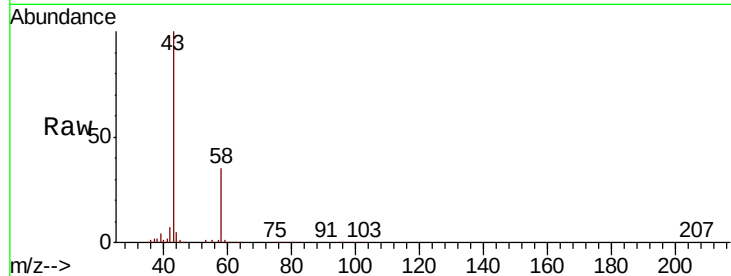
ClientSampled :

Tot Ion: 43 Resp: 98018

Ion Ratio Lower Upper

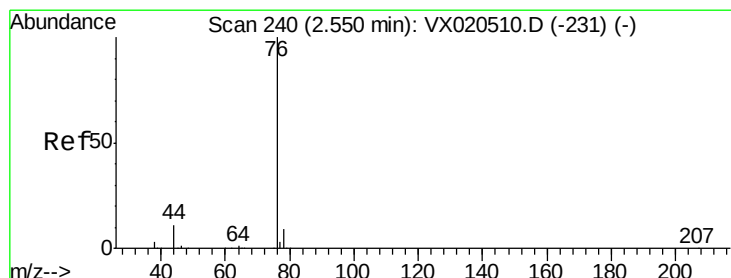
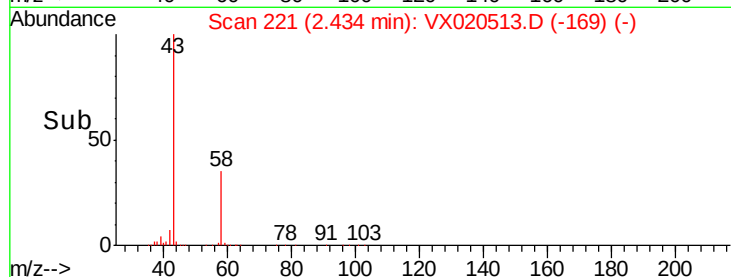
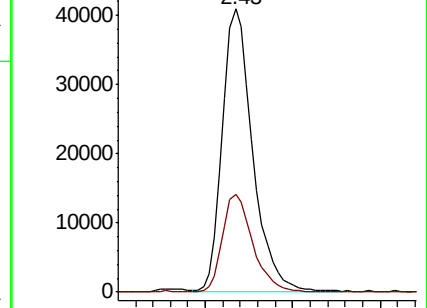
43 100

58 34.9 0.0 70.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 5.430 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020513.D

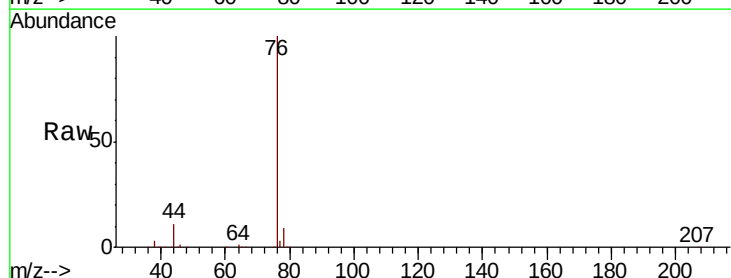
Acq: 06 Jan 2021 11:31

Tgt Ion: 76 Resp: 232172

Ion Ratio Lower Upper

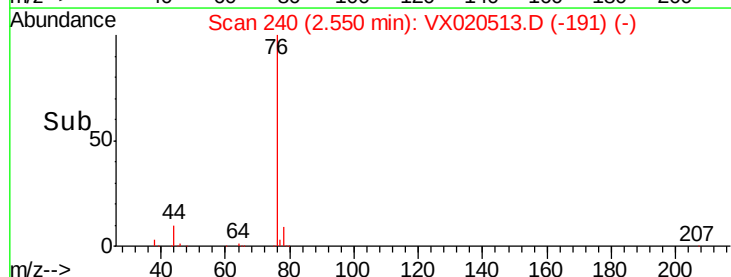
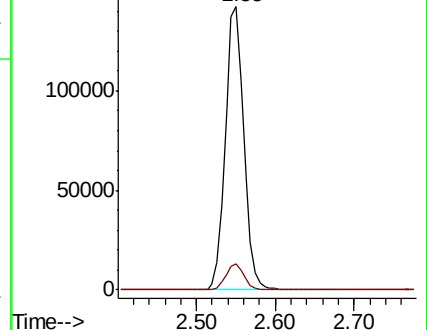
76 100

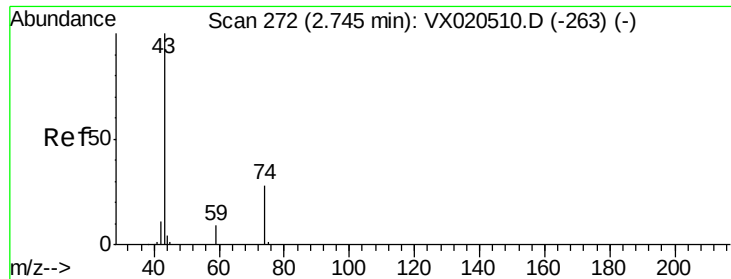
78 9.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

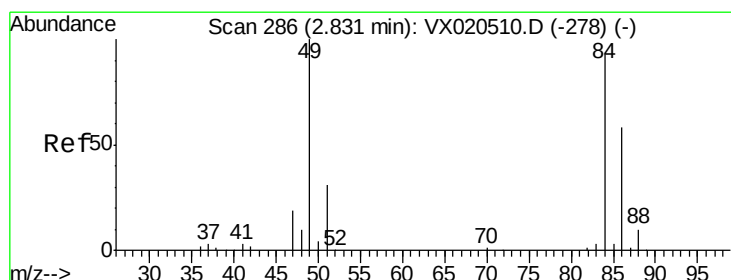
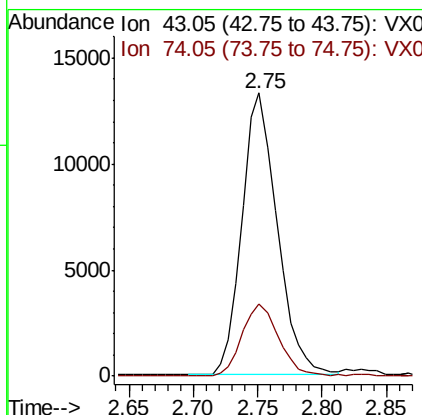
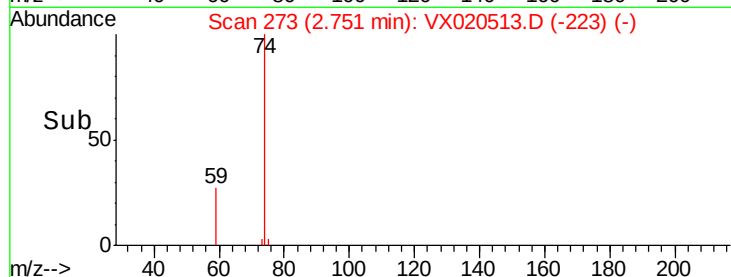
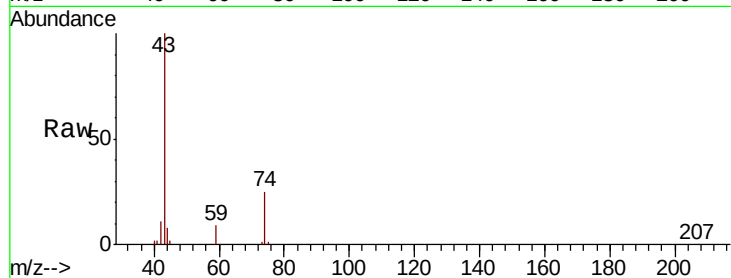




#15
Methyl Acetate
Concen: 5.161 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

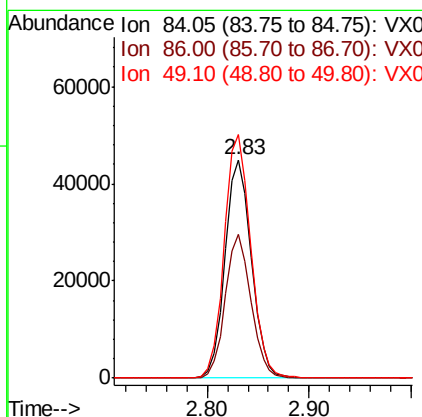
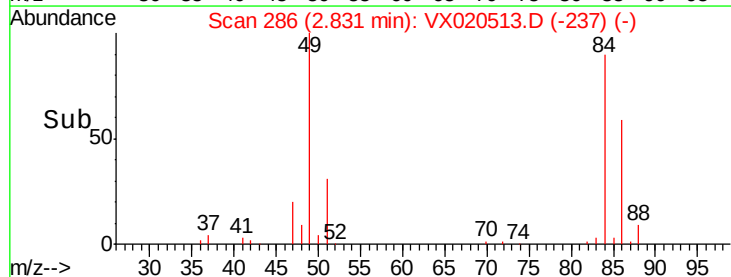
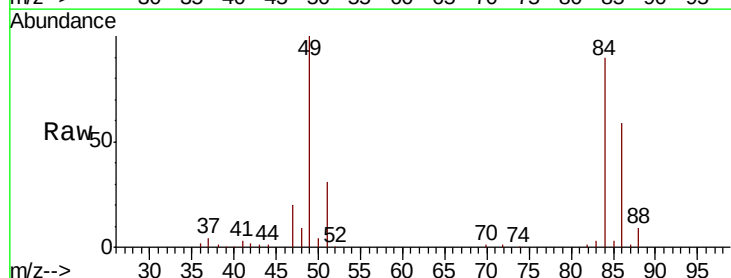
Instrument :
MSVOA_X
ClientSampleId :

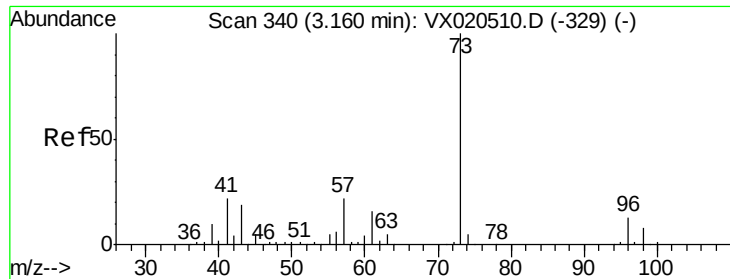
Tot Ion: 43 Resp: 25176
Ion Ratio Lower Upper
43 100
74 26.5 21.1 31.7



#16
Methylene chloride
Concen: 5.123 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion: 84 Resp: 80360
Ion Ratio Lower Upper
84 100
86 66.0 44.6 82.8
49 111.4 79.5 147.6

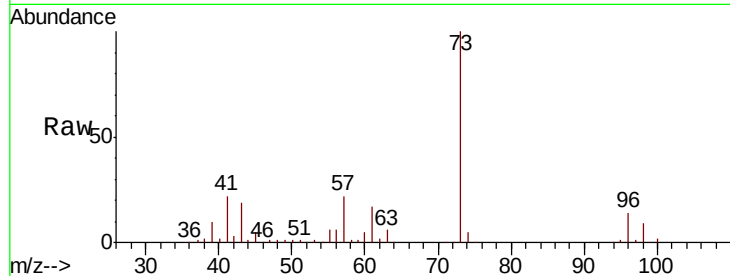




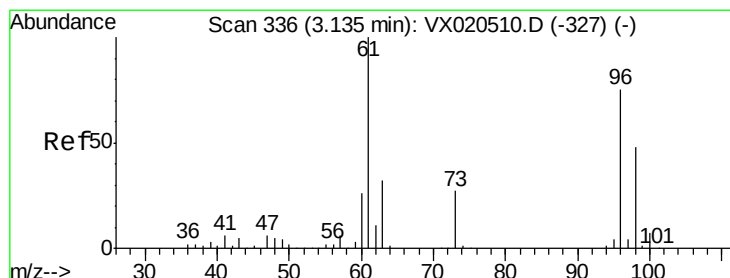
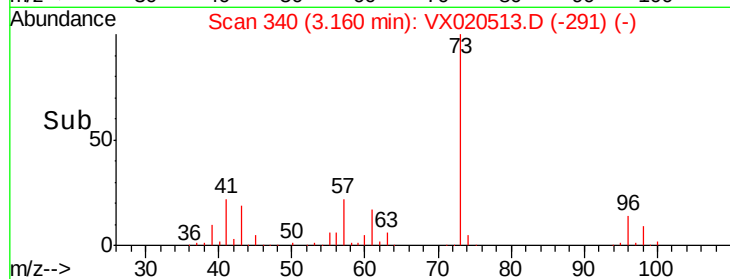
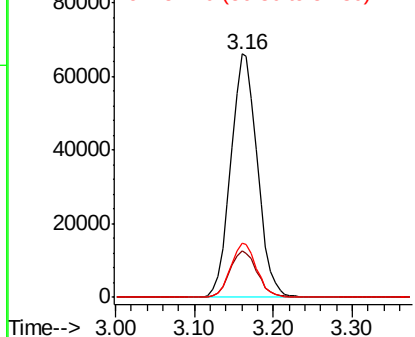
#17
Methyl tert-butyl Ether
Concen: 5.370 ug/L
RT: 3.16 min Scan# 340
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 154586
Ion Ratio Lower Upper
73 100
43 19.6 15.1 22.7
57 21.7 17.4 26.2

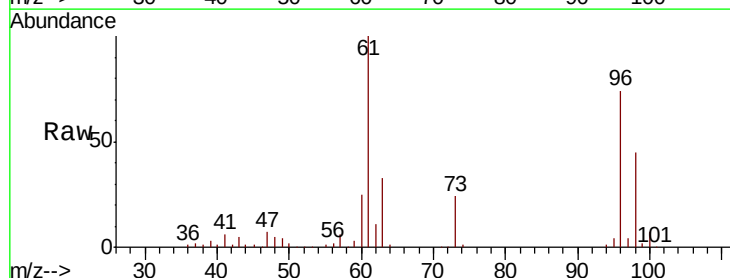


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

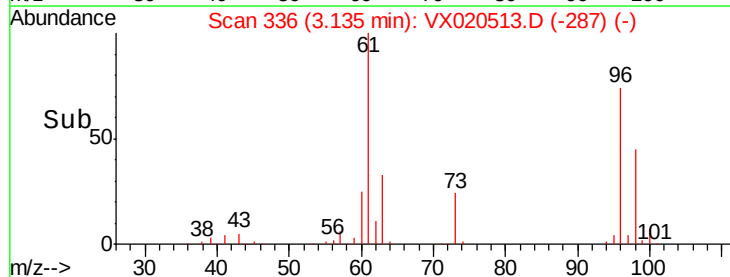
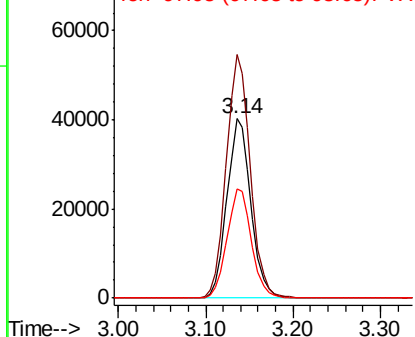


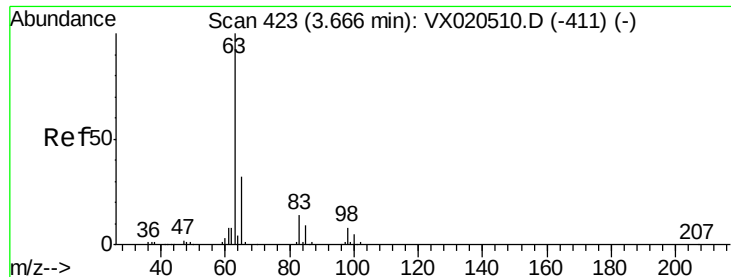
#18
trans-1,2-Dichloroethene
Concen: 5.449 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion: 96 Resp: 76453
Ion Ratio Lower Upper
96 100
61 135.8 95.4 177.2
98 61.0 44.2 82.2



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

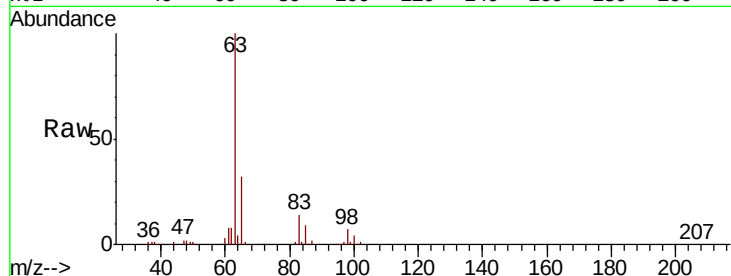




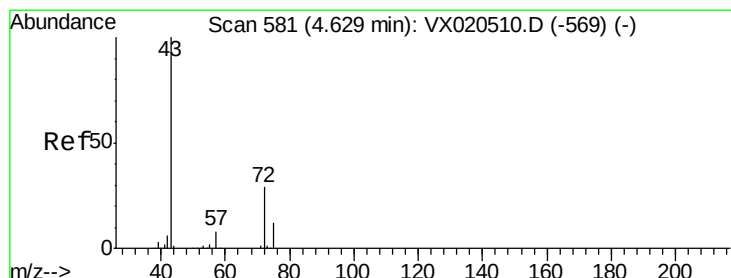
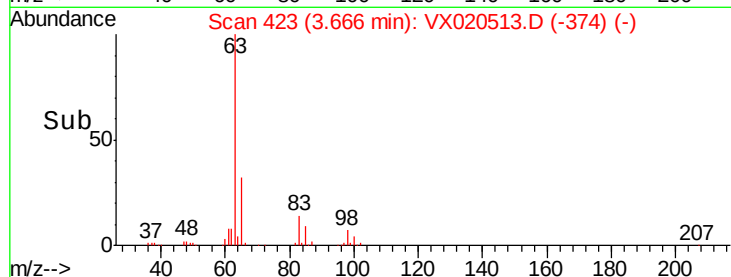
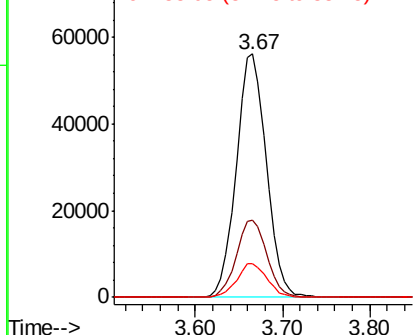
#19
 1,1-Dichloroethane
 Concen: 5.378 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.8	40.6
83	14.0	9.6	17.8

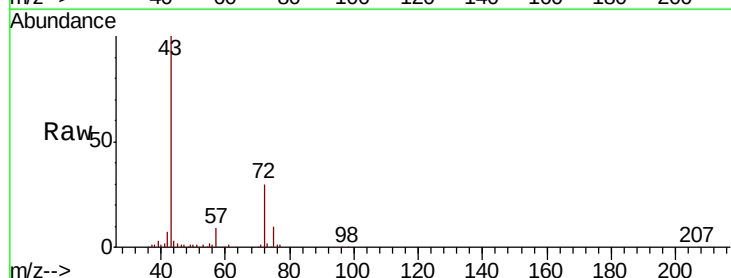


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

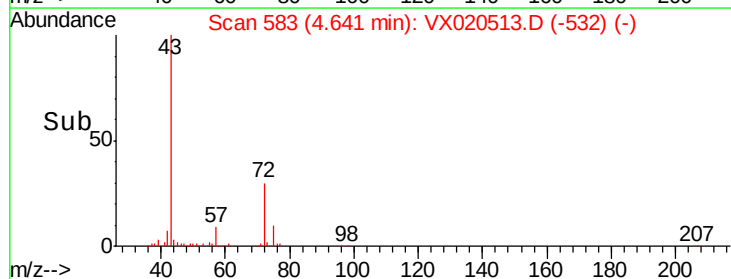
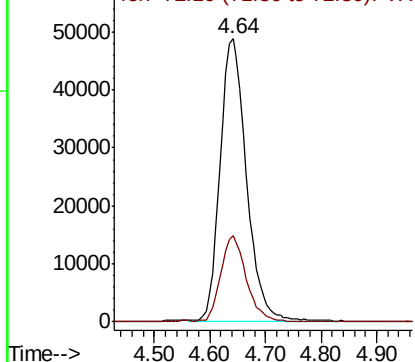


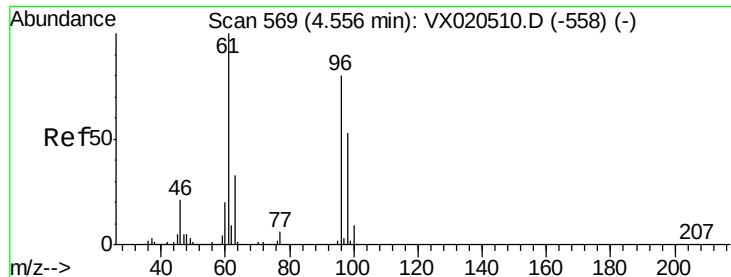
#21
 2-Butanone
 Concen: 54.125 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.0	14.8	44.4



Abundance Ion 43.05 (42.75 to 43.75): VX0
 Ion 72.10 (71.80 to 72.80): VX0



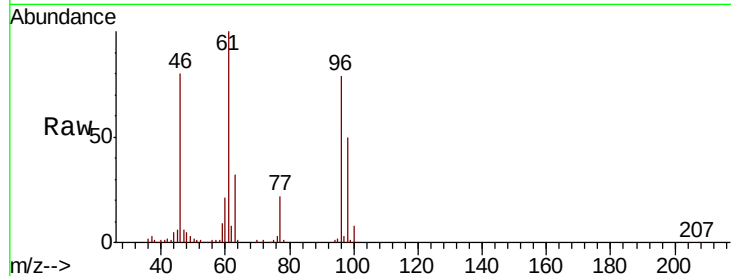


#22

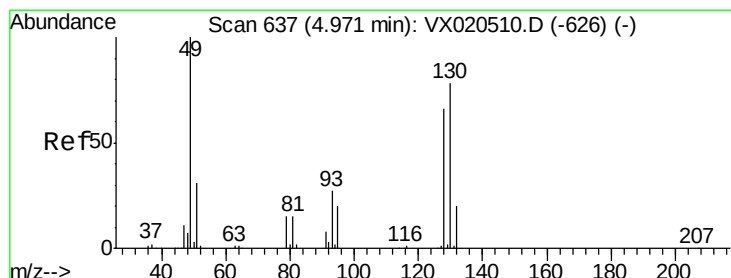
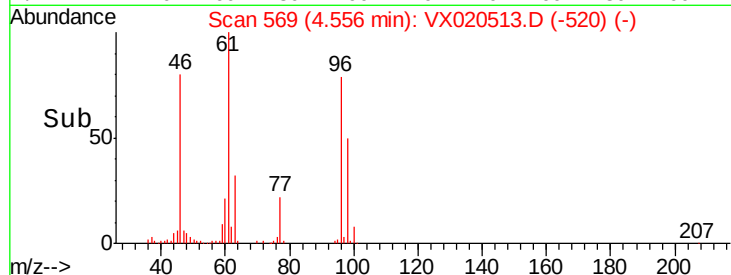
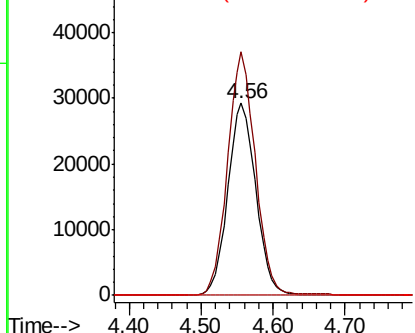
cis-1,2-Dichloroethene
 Concen: 5.409 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 79374
 Ion Ratio Lower Upper
 96 100
 61 126.7 85.9 159.5
 68 0.0 0.0 0.0



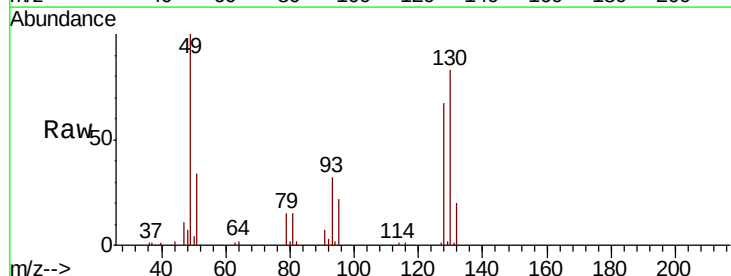
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



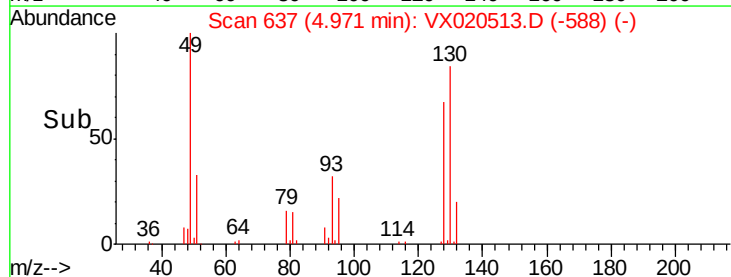
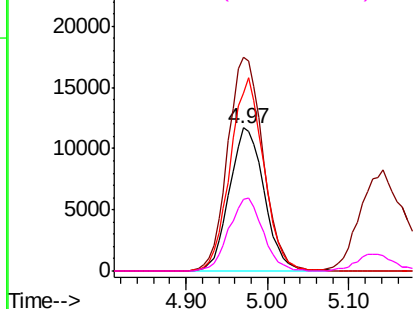
#23

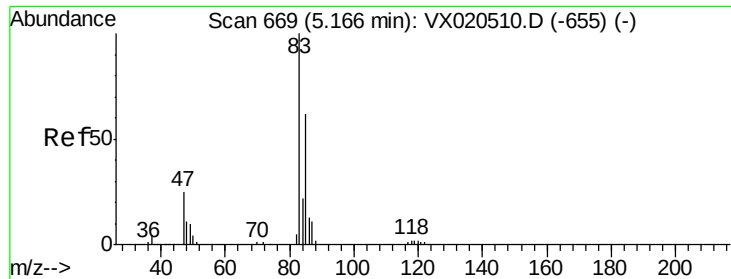
Bromochloromethane
 Concen: 5.289 ug/L
 RT: 4.97 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion:128 Resp: 34450
 Ion Ratio Lower Upper
 128 100
 49 149.4 103.2 191.6
 130 124.4 89.1 165.5
 51 50.3 39.6 59.4



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

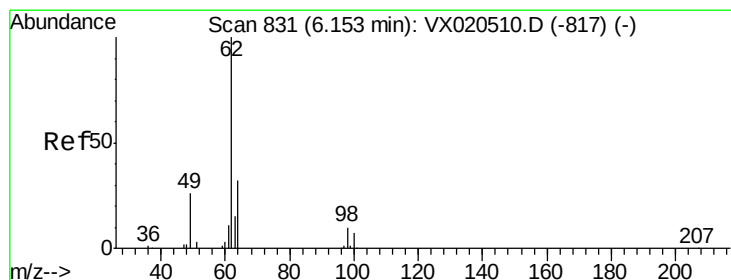
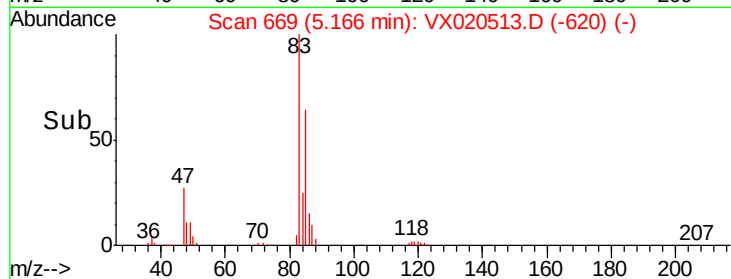
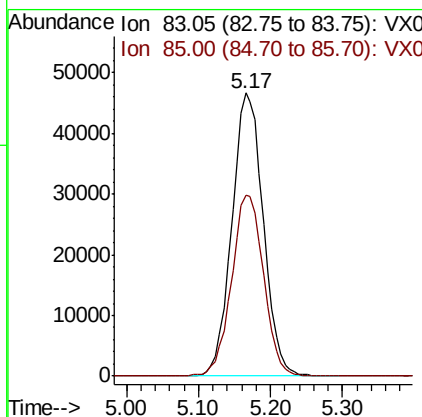
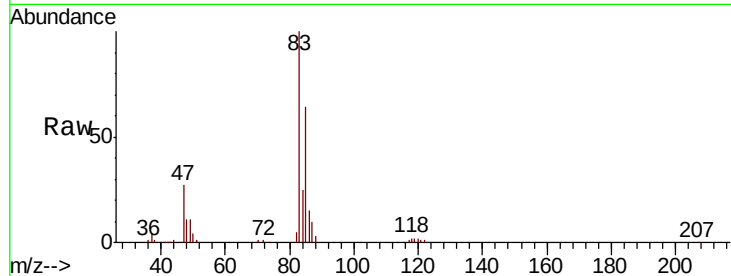




#25
Chloroform
Concen: 5.349 ug/L
RT: 5.17 min Scan# 669
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

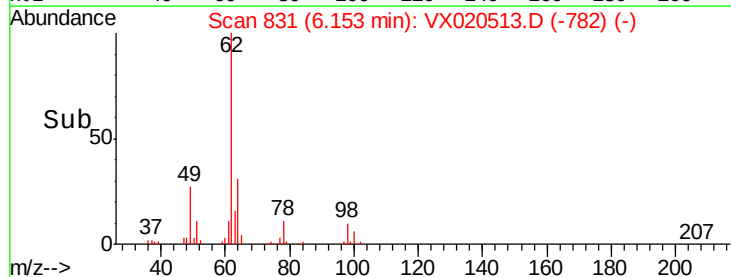
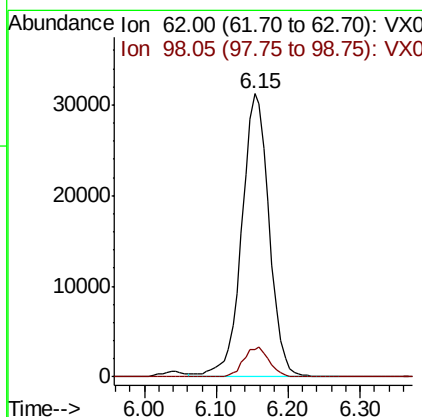
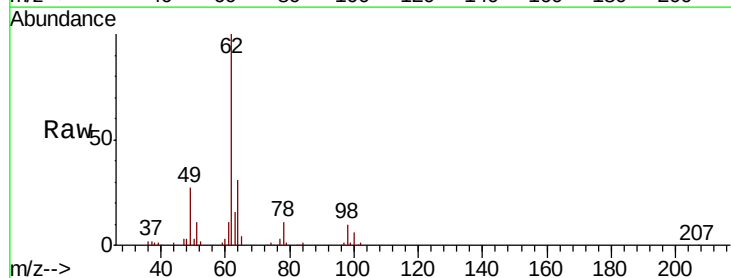
Instrument :
MSVOA_X
ClientSampled :

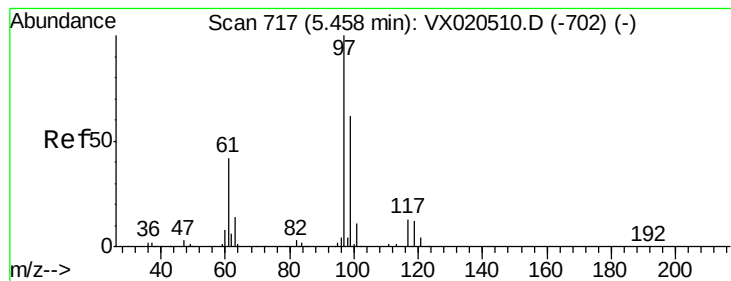
Tot Ion: 83 Resp: 140598
Ion Ratio Lower Upper
83 100
85 64.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.469 ug/L
RT: 6.15 min Scan# 831
Delta R.T. -0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion: 62 Resp: 82470
Ion Ratio Lower Upper
62 100
98 9.8 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.360 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

ClientSampled :

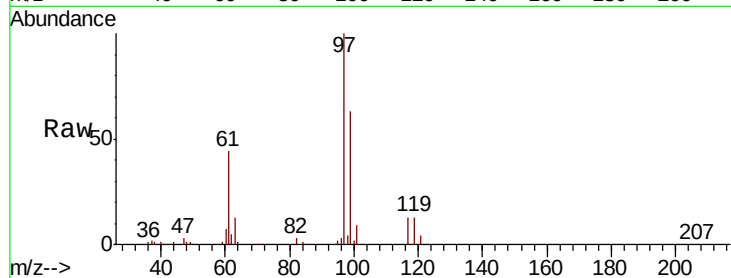
Tot Ion: 97 Resp: 123668

Ion Ratio Lower Upper

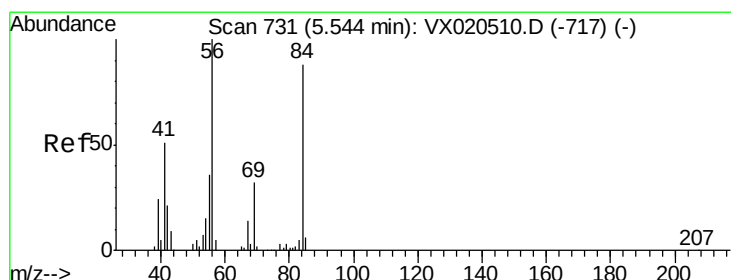
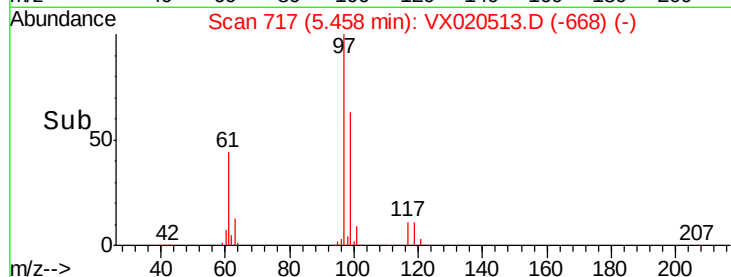
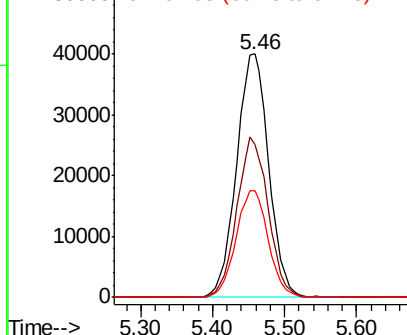
97 100

99 63.8 51.2 76.8

61 43.9 35.3 52.9



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: 5.333 ug/L

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

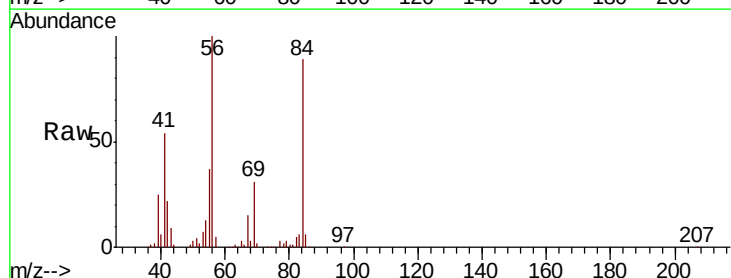
Tgt Ion: 56 Resp: 116334

Ion Ratio Lower Upper

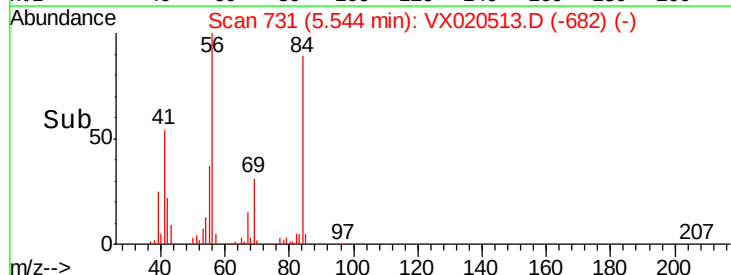
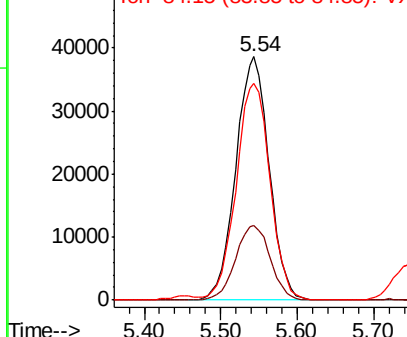
56 100

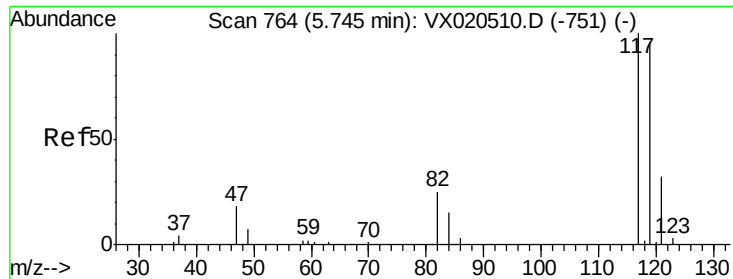
69 31.9 25.8 38.6

84 91.2 72.4 108.6



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

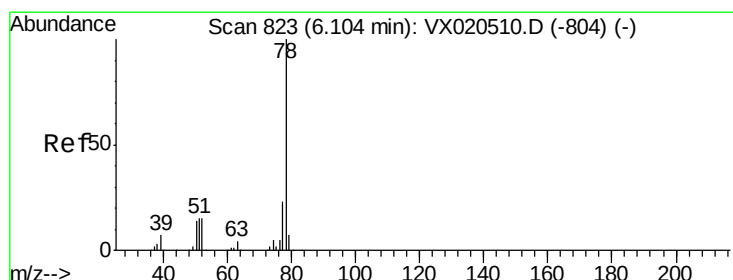
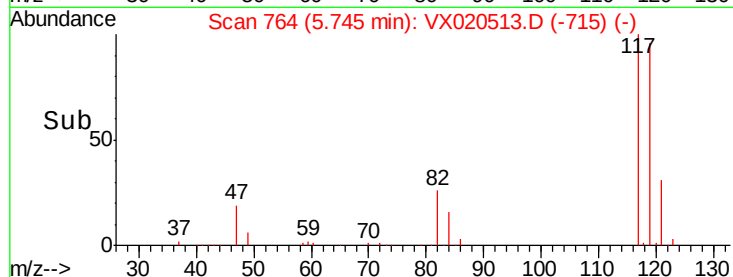
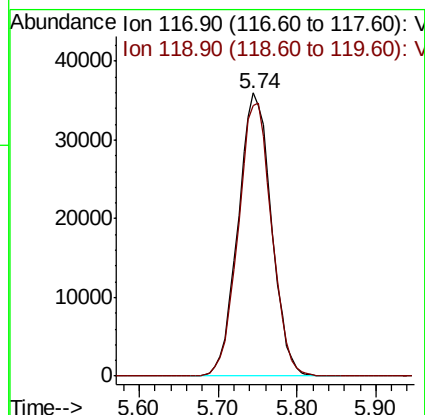
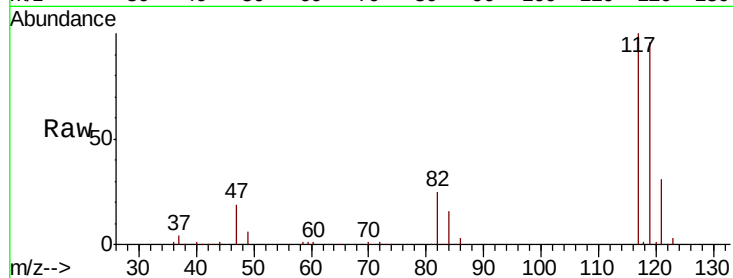




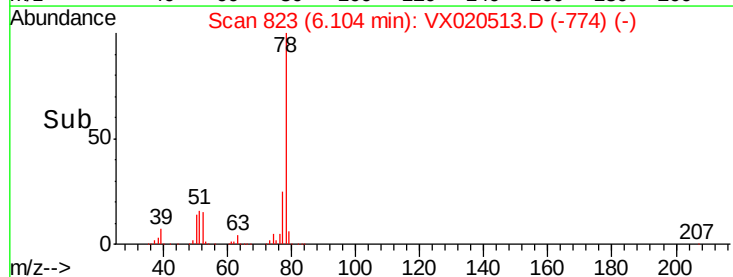
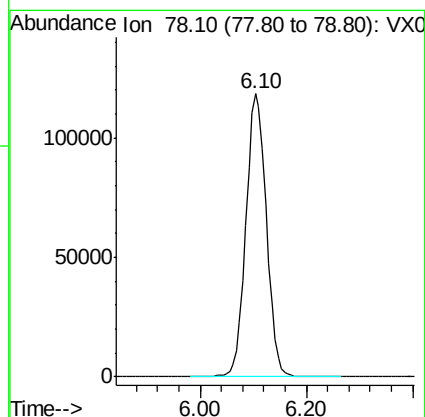
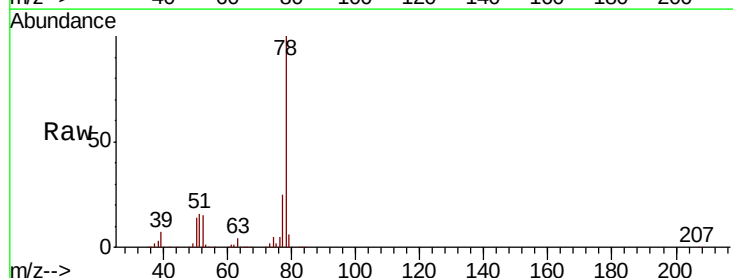
#31
Carbon tetrachloride
Concen: 5.333 ug/L
RT: 5.74 min Scan# 764
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

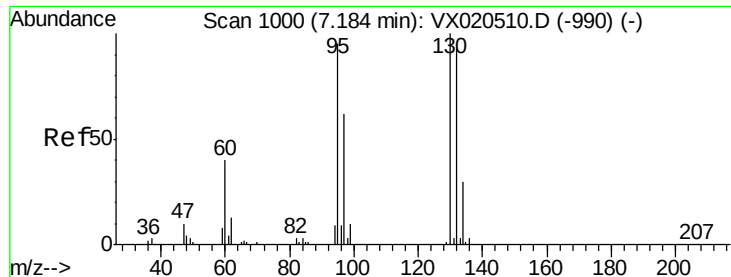
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 105591
Ion Ratio Lower Upper
117 100
119 97.0 76.2 114.4



#33
Benzene
Concen: 5.280 ug/L
RT: 6.10 min Scan# 823
Delta R.T. -0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31
Tgt Ion: 78 Resp: 313944

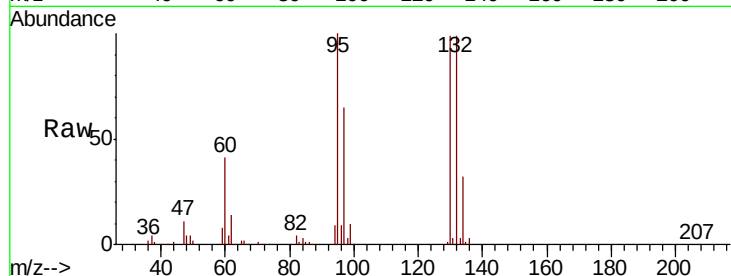




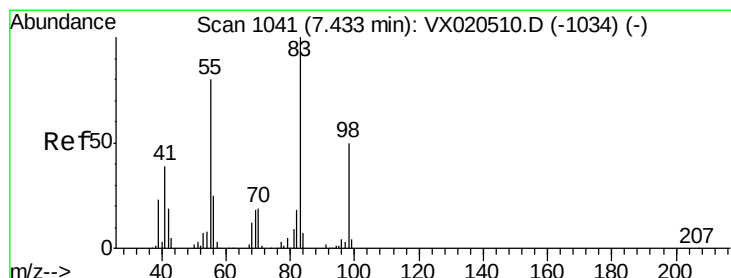
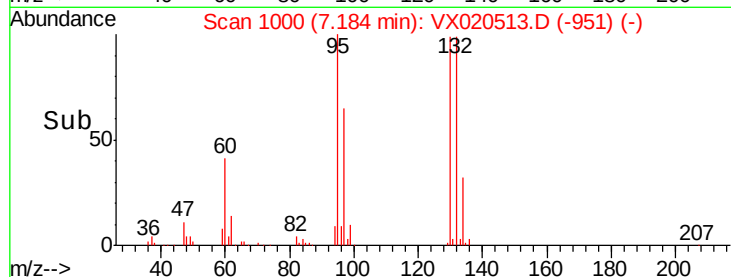
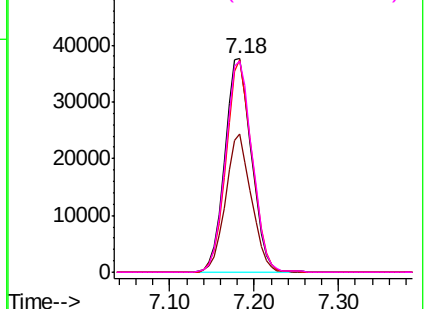
#34
 Trichloroethene
 Concen: 5.273 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 95 Resp: 81176
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.0 85.4
 132 99.3 69.0 128.1
 130 98.6 69.7 129.4

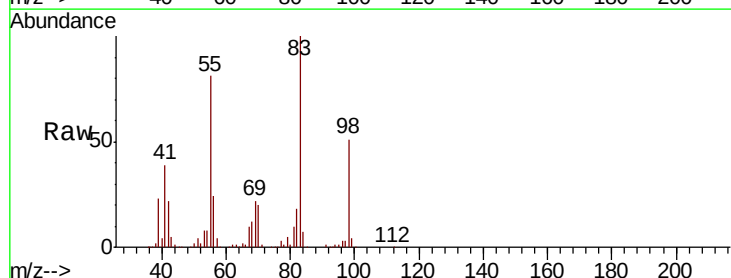


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 96.95 (96.65 to 97.65): VX0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

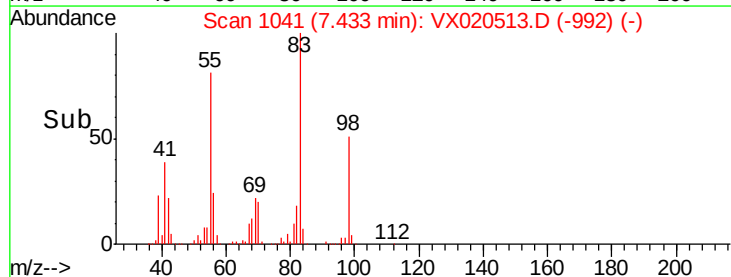
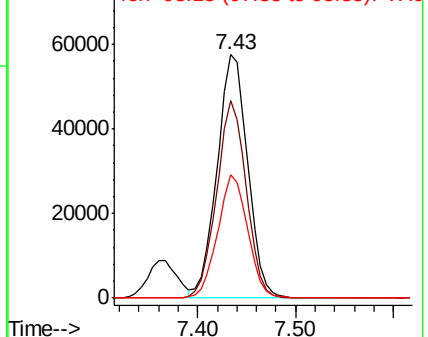


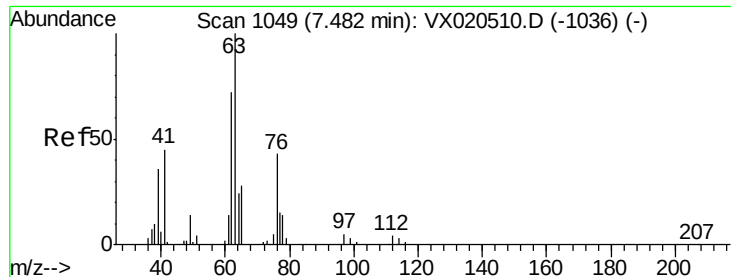
#35
 Methylcyclohexane
 Concen: 5.391 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion: 83 Resp: 125270
 Ion Ratio Lower Upper
 83 100
 55 78.5 63.4 95.0
 98 49.7 39.2 58.8



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

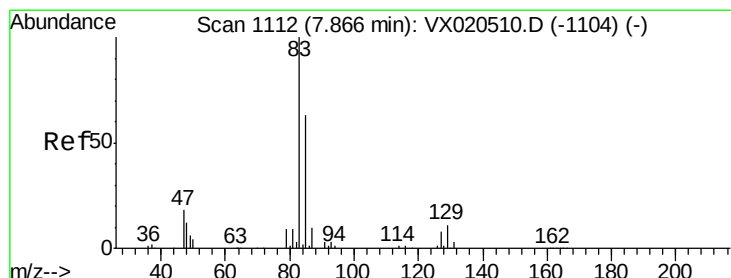
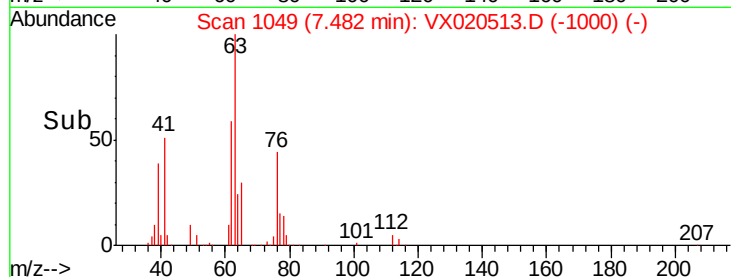
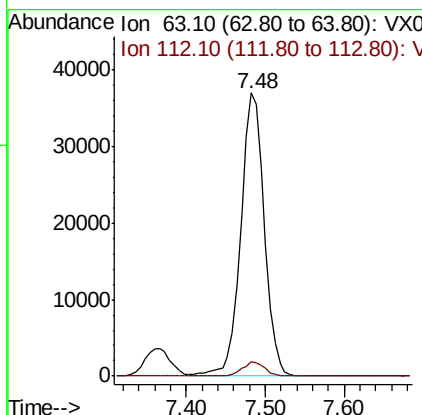
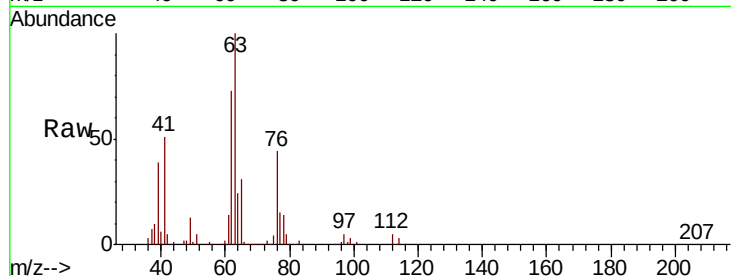




#37
 1,2-Dichloropropane
 Concen: 5.225 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

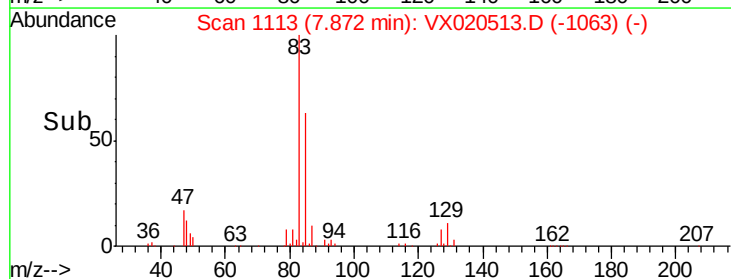
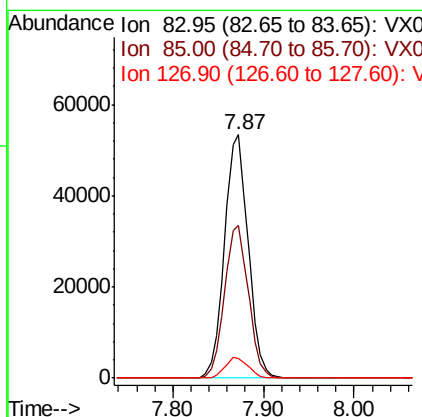
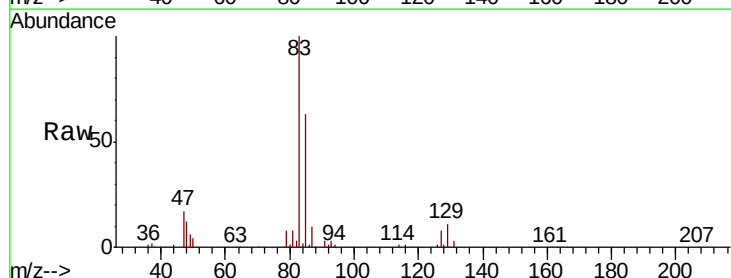
Instrument :
 MSVOA_X
 ClientSampleId :

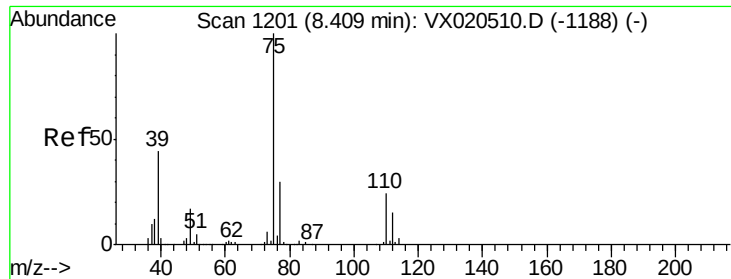
Tot Ion: 63 Resp: 76635
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.408 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.01 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion: 83 Resp: 96934
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.6 82.8
 127 8.3 7.0 10.4

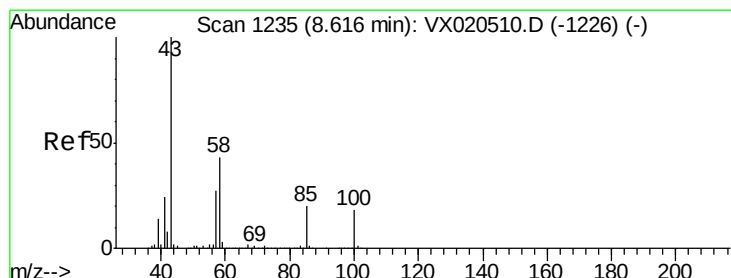
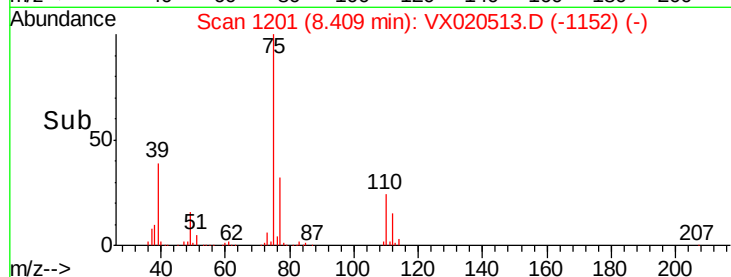
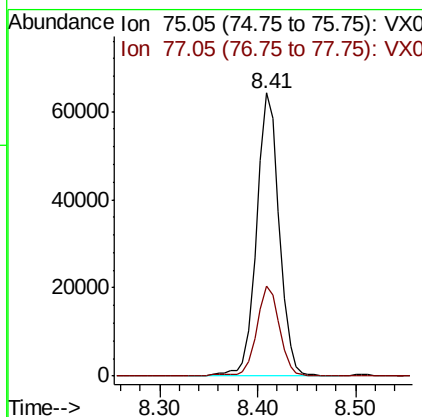
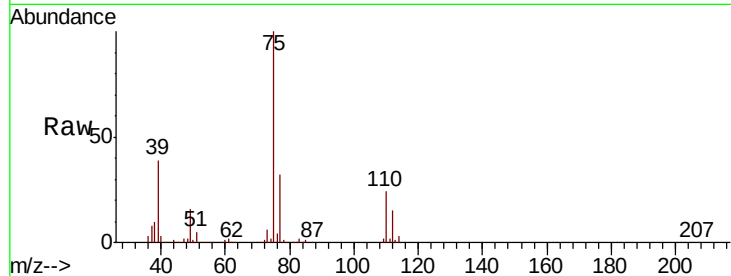




#39
 cis-1,3-Dichloropropene
 Concen: 5.188 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

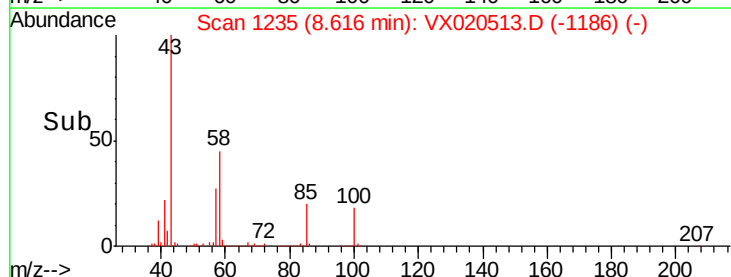
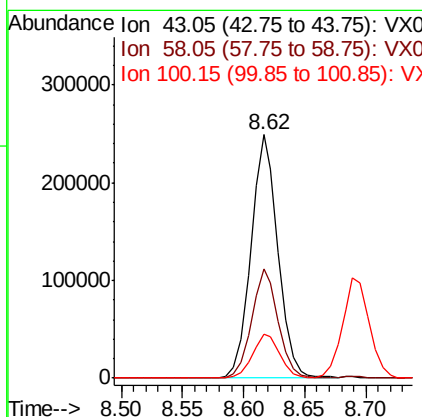
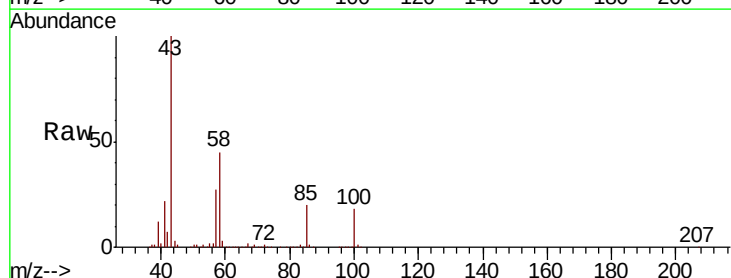
Instrument :
 MSVOA_X
 ClientSampleId :

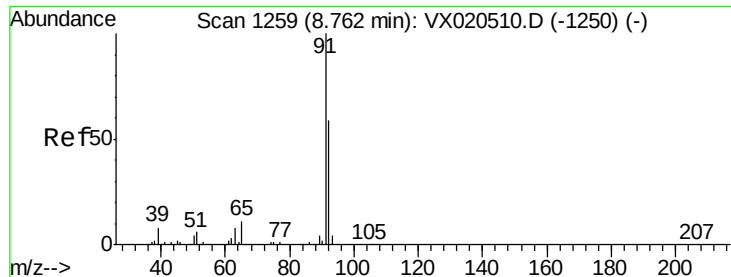
Tot Ion: 75 Resp: 103158
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 53.179 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion: 43 Resp: 381867
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.0 52.4
 100 18.2 14.3 21.5





#42

Toluene

Concen: 5.416 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

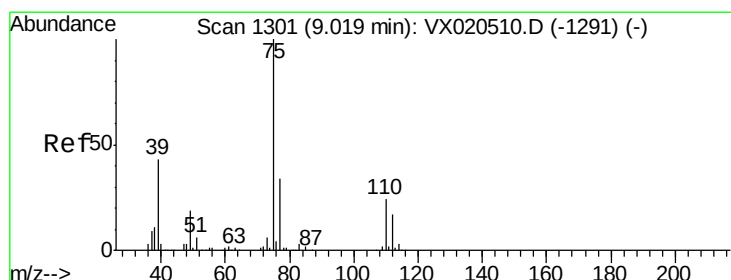
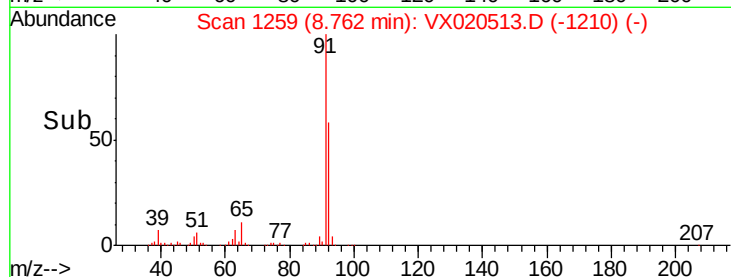
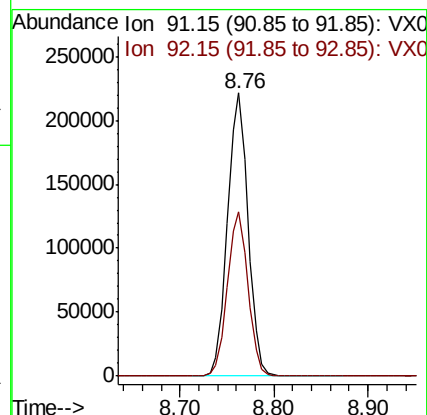
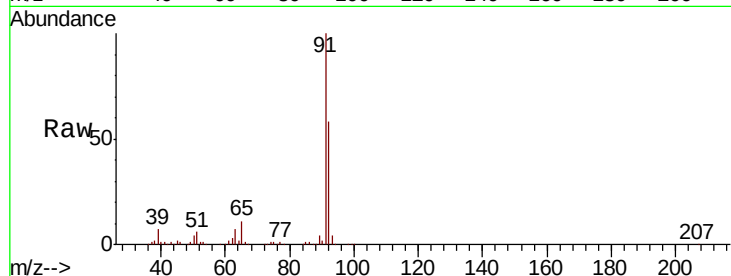
ClientSampled :

Tot Ion: 91 Resp: 335025

Ion Ratio Lower Upper

91 100

92 58.0 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 5.359 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020513.D

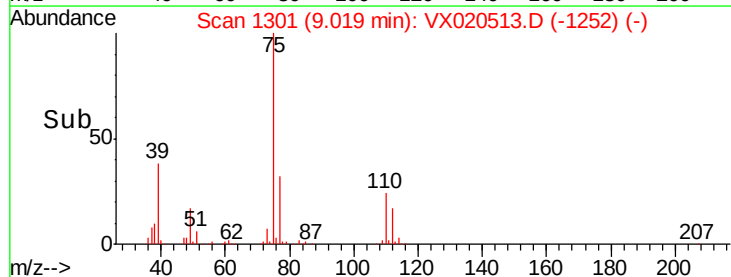
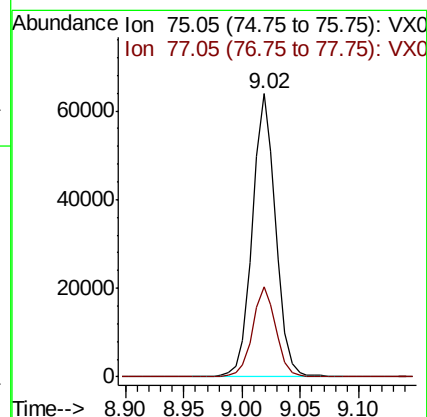
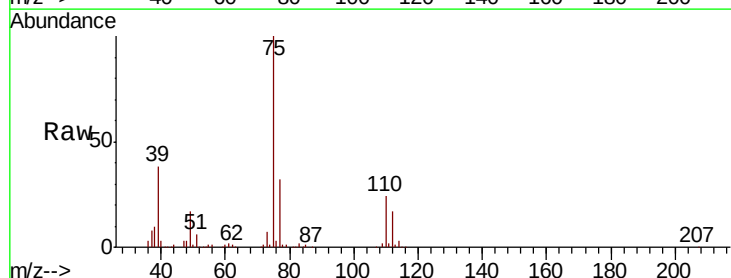
Acq: 06 Jan 2021 11:31

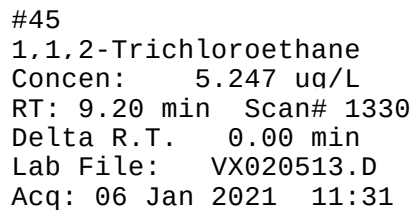
Tgt Ion: 75 Resp: 89562

Ion Ratio Lower Upper

75 100

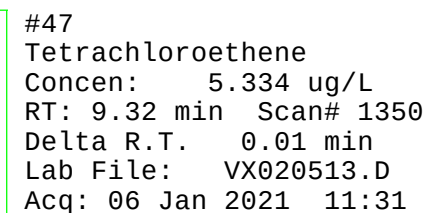
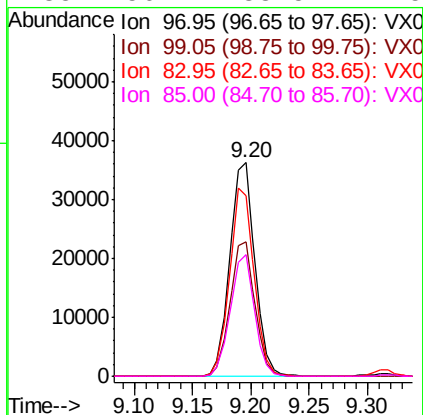
77 32.0 21.7 40.3



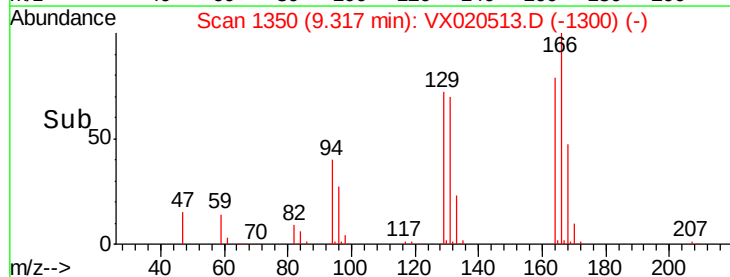
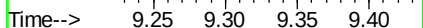
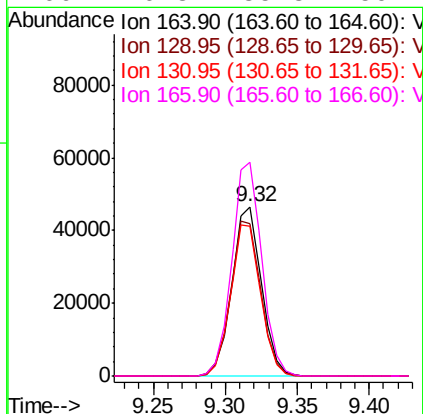


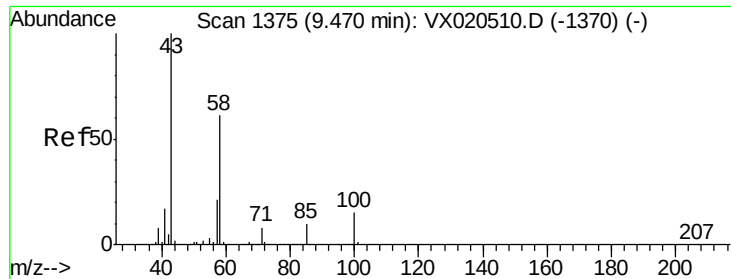
Instrument :
MSVOA_X
ClientSampleId :

Tat	Ion: 97	Resp:	54303
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.4	80.6
83	84.5	58.6	108.8
85	56.7	38.5	71.5



Tgt	Ion:164	Resp:	66608
Ion	Ratio	Lower	Upper
164	100		
129	90.4	64.5	119.7
131	88.8	63.8	118.6
166	126.3	85.8	159.4

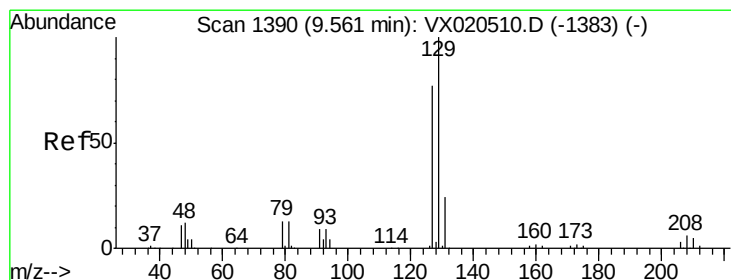
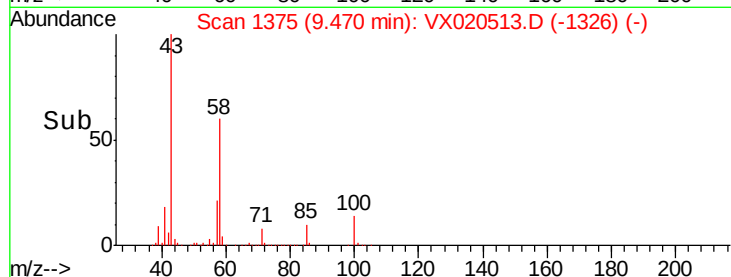
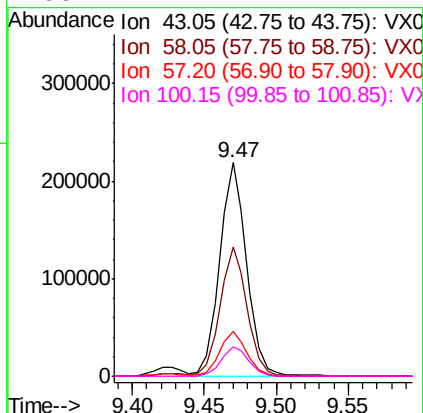
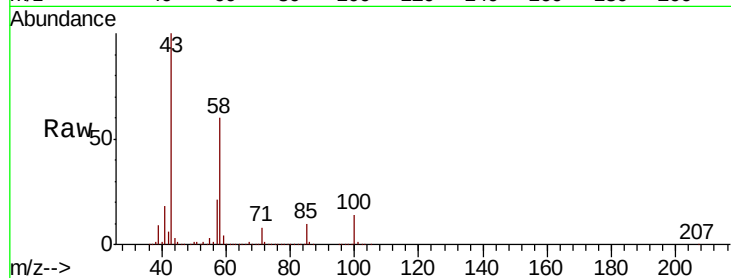




#48
2-Hexanone
Concen: 58.071 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

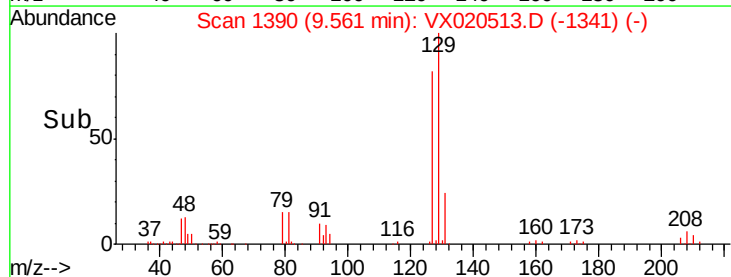
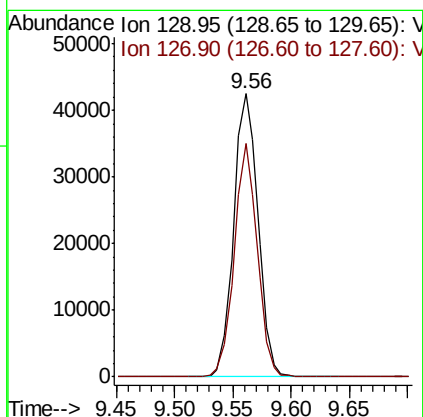
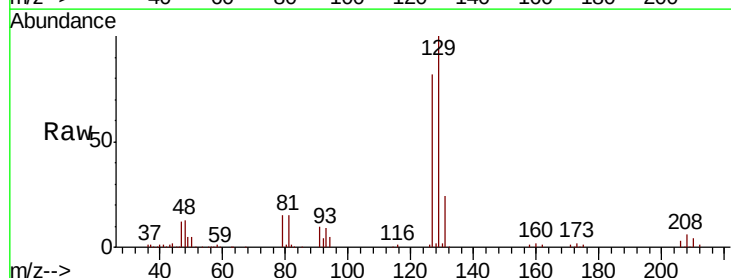
Instrument :
MSVOA_X
ClientSampleId :

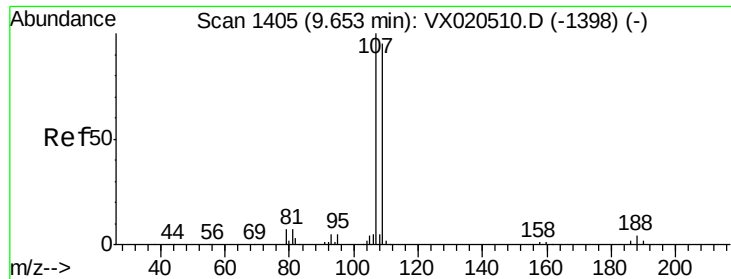
Tot Ion:	43	Resp:	287581
Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.8	73.2
57	21.3	16.6	25.0
100	14.2	11.4	17.2



#49
Dibromochloromethane
Concen: 5.511 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion:	129	Resp:	61983
Ion	Ratio	Lower	Upper
129	100		
127	82.3	53.0	98.4

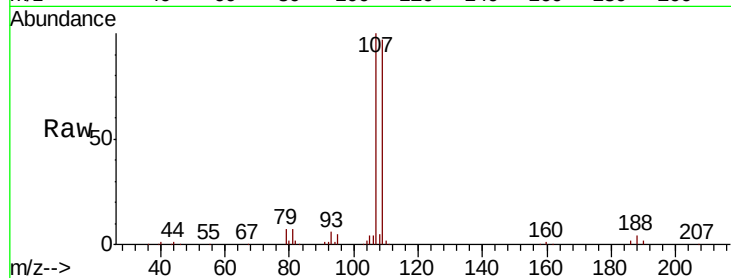




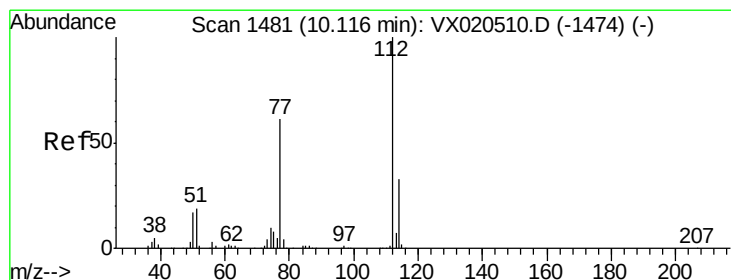
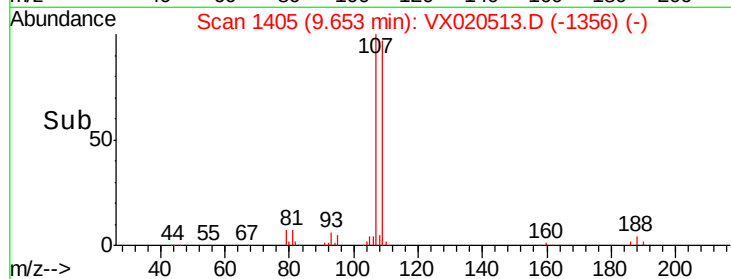
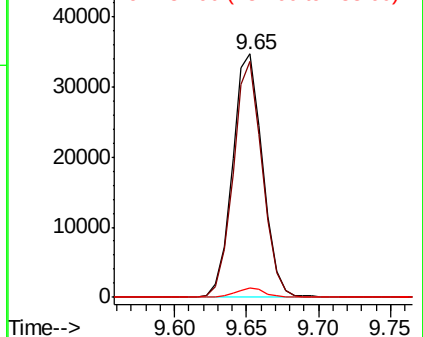
#50
1,2-Dibromoethane
Concen: 5.435 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	65.0	120.8
188	3.9	3.4	5.0

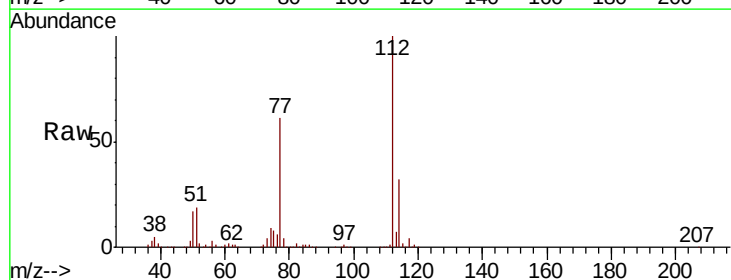


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

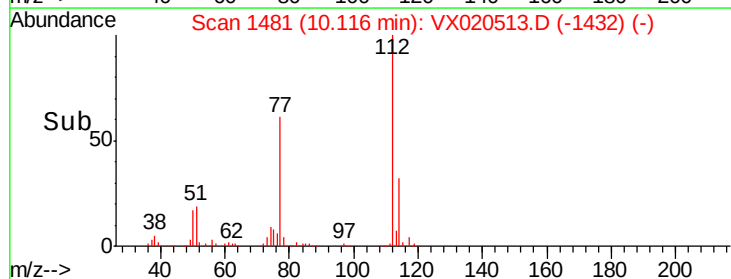
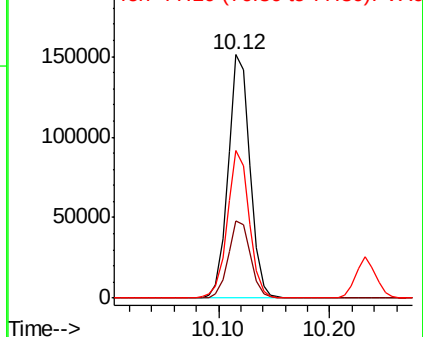


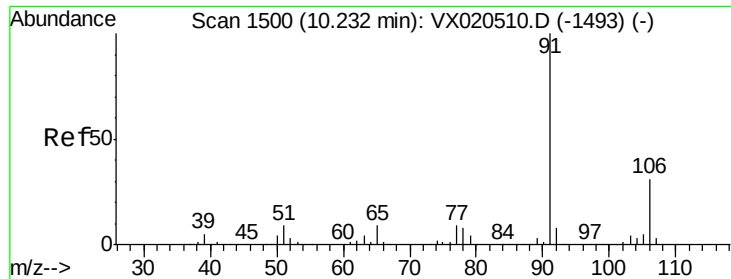
#51
Chlorobenzene
Concen: 5.258 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	60.8	47.0	70.6



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

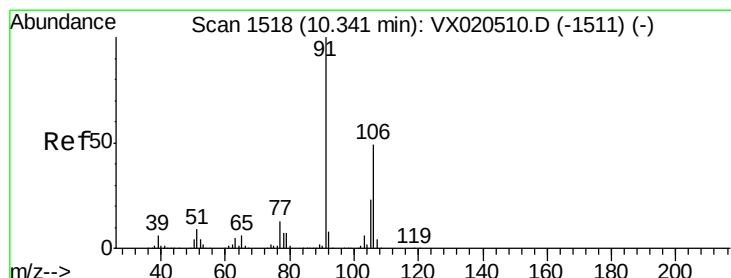
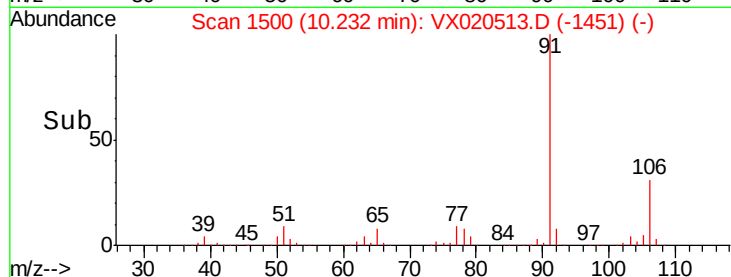
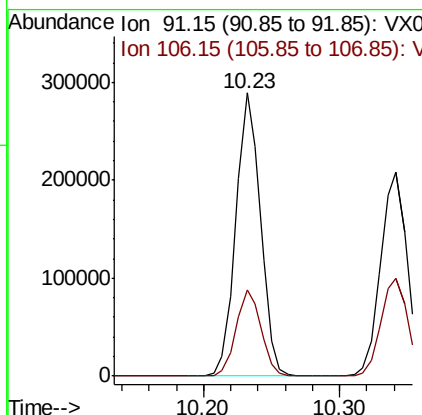
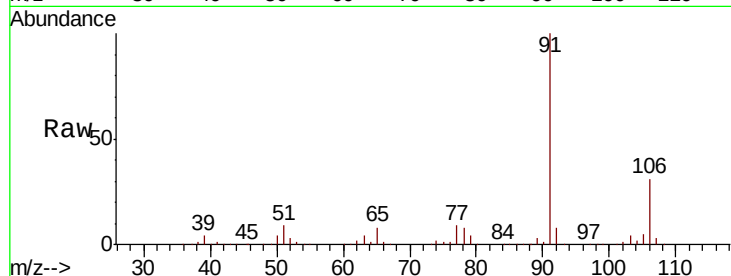




#52
Ethylbenzene
Concen: 5.663 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

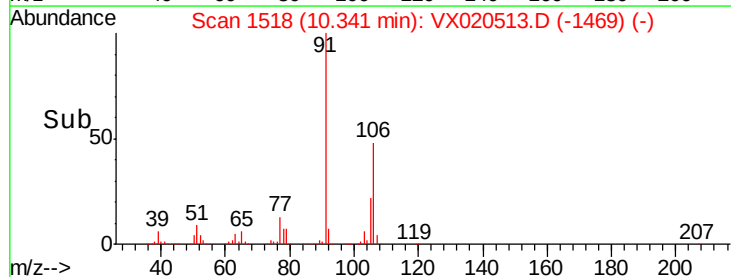
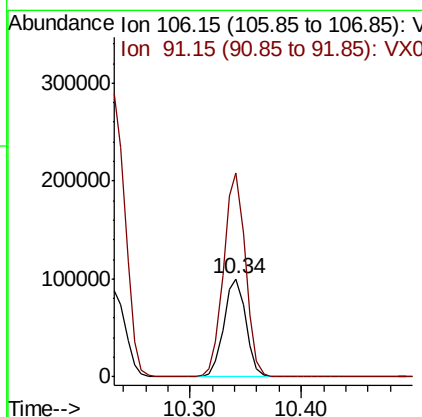
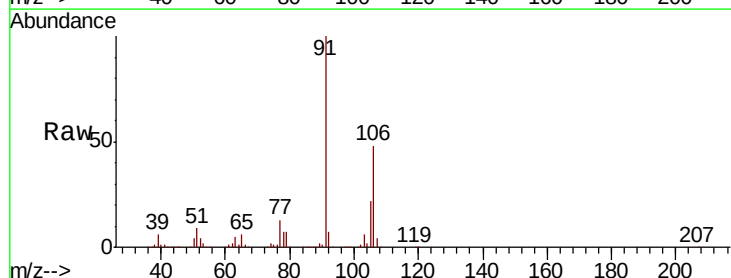
Instrument :
MSVOA_X
ClientSampleId :

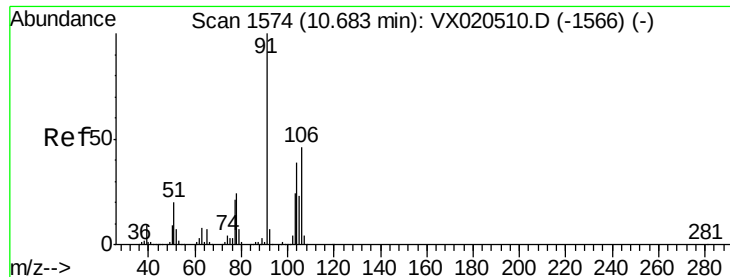
Tot Ion: 91 Resp: 364472
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.0



#53
m,p-xylene
Concen: 5.622 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion: 106 Resp: 137583
Ion Ratio Lower Upper
106 100
91 207.8 137.4 255.2





#54

o-xylene

Concen: 5.565 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

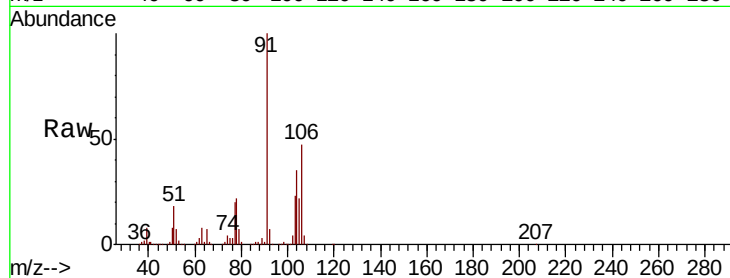
ClientSampled :

Tot Ion:106 Resp: 129737

Ion Ratio Lower Upper

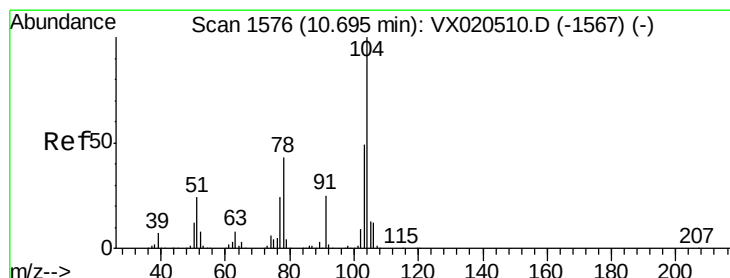
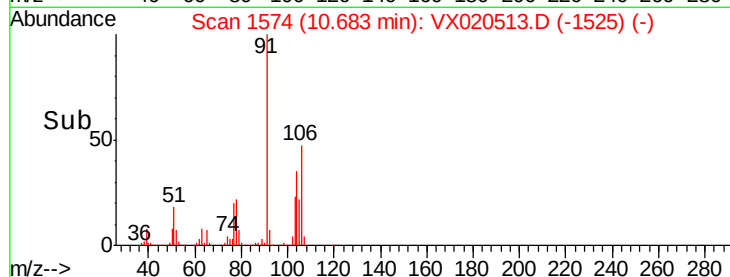
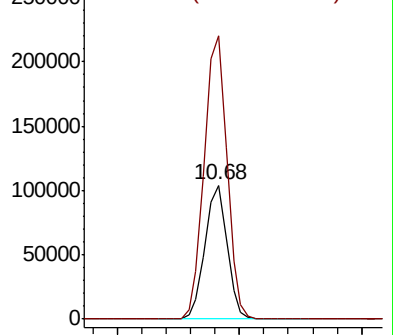
106 100

91 211.8 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 5.708 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX020513.D

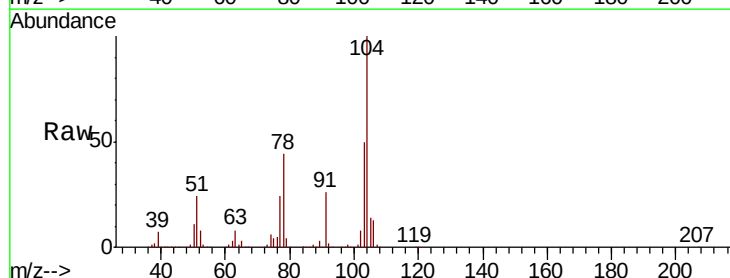
Acq: 06 Jan 2021 11:31

Tgt Ion:104 Resp: 223487

Ion Ratio Lower Upper

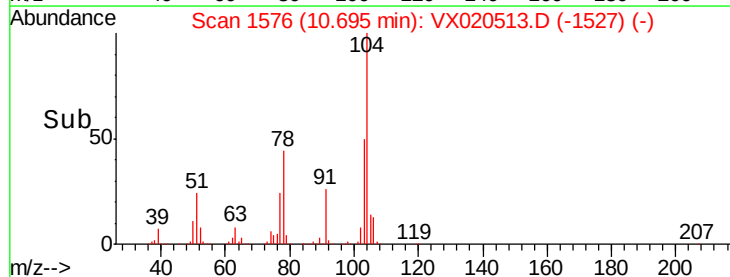
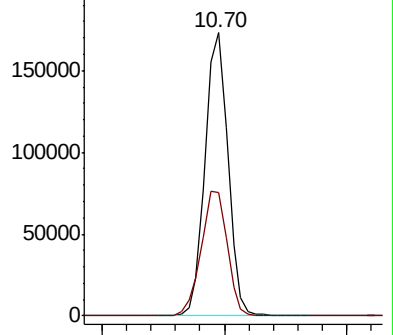
104 100

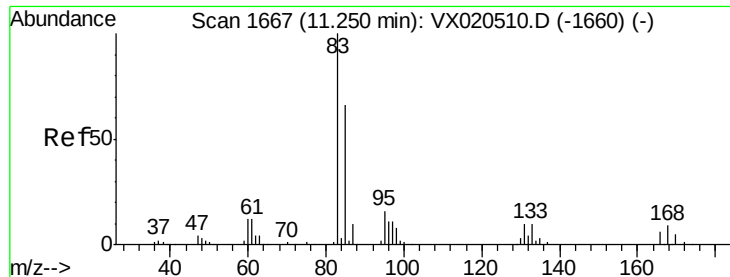
78 43.6 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.020 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

ClientSampleId :

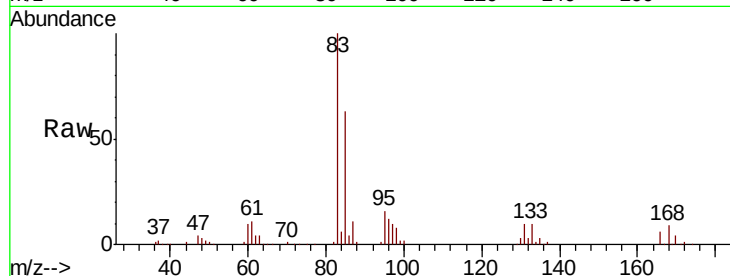
Tot Ion: 83 Resp: 57929

Ion Ratio Lower Upper

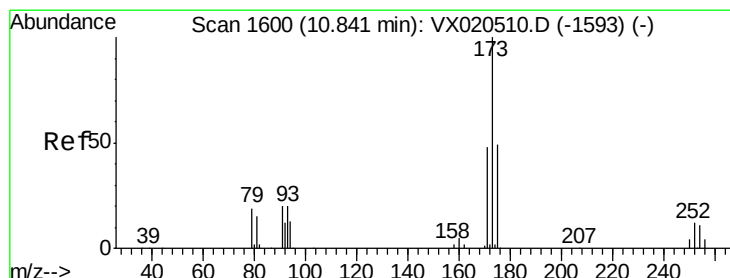
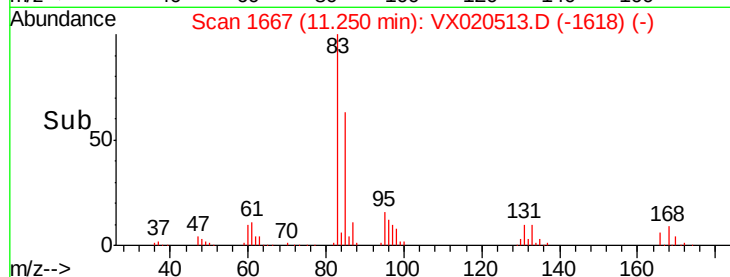
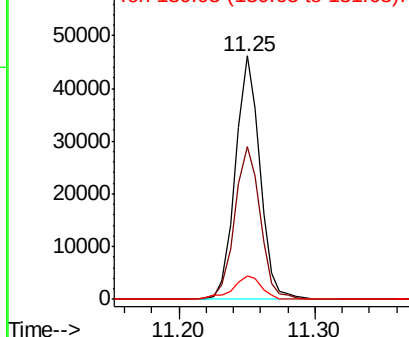
83 100

85 62.9 44.6 82.8

131 9.8 8.2 12.2



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



#59

Bromoform

Concen: 5.499 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

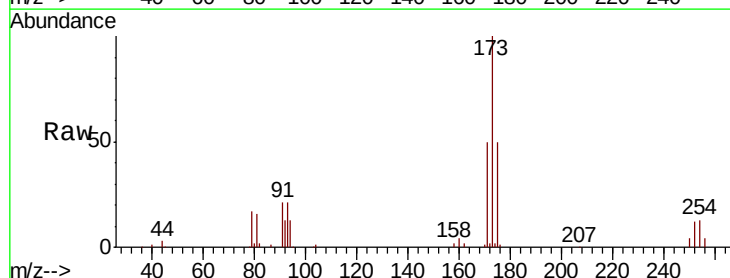
Tgt Ion: 173 Resp: 32300

Ion Ratio Lower Upper

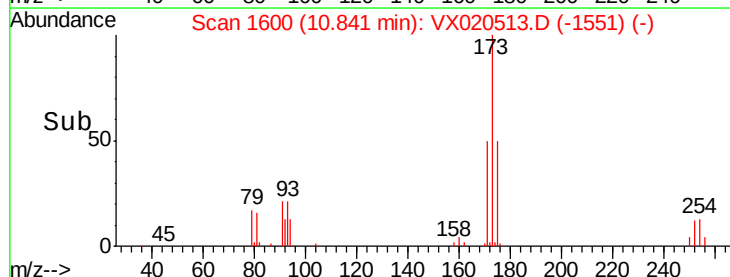
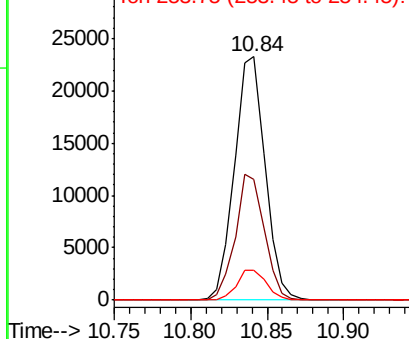
173 100

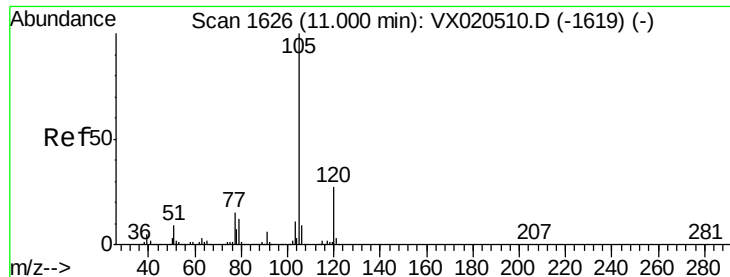
175 49.2 38.0 57.0

254 12.0 8.8 13.2



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





#60

Isopropylbenzene

Concen: 6.035 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

ClientSampleId :

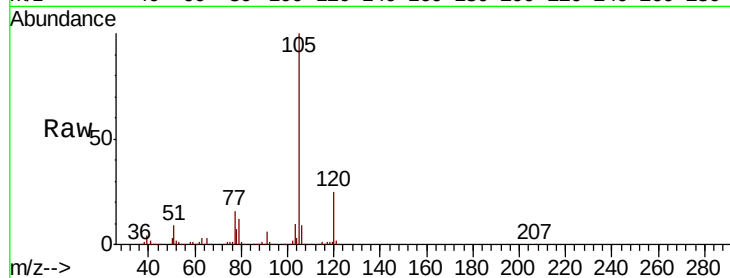
Tot Ion:105 Resp: 355399

Ion Ratio Lower Upper

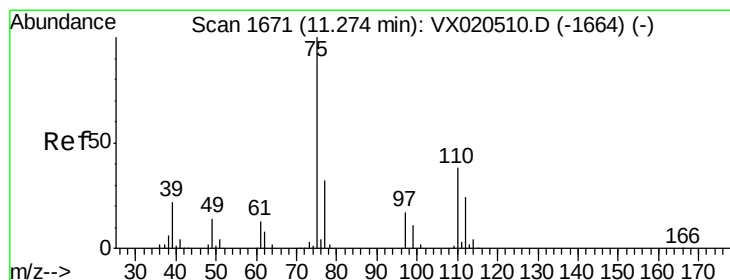
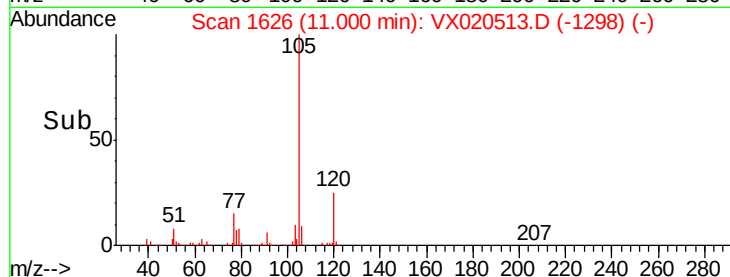
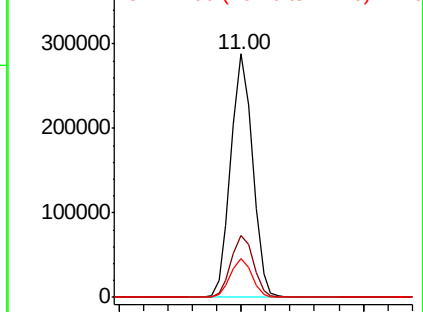
105 100

120 25.9 21.1 31.7

77 15.7 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 5.295 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

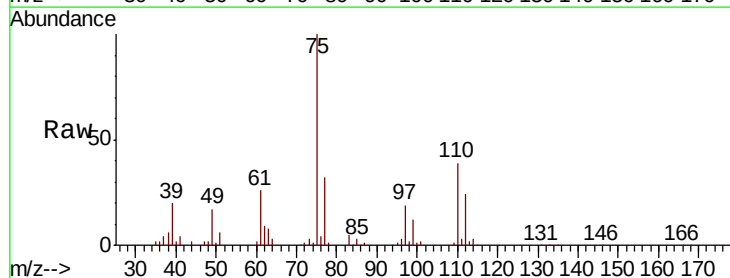
Tgt Ion: 75 Resp: 43453

Ion Ratio Lower Upper

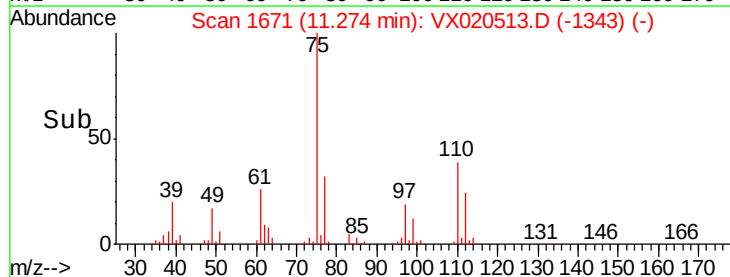
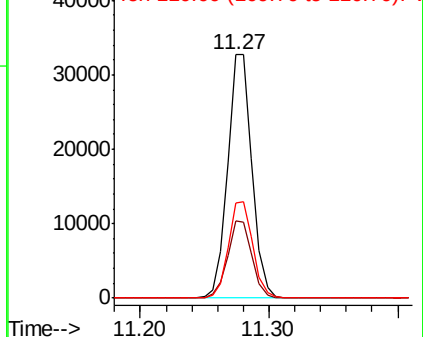
75 100

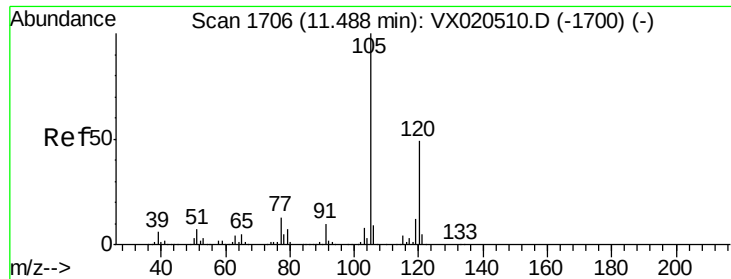
77 31.9 26.3 39.5

110 39.6 32.1 48.1



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.842 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

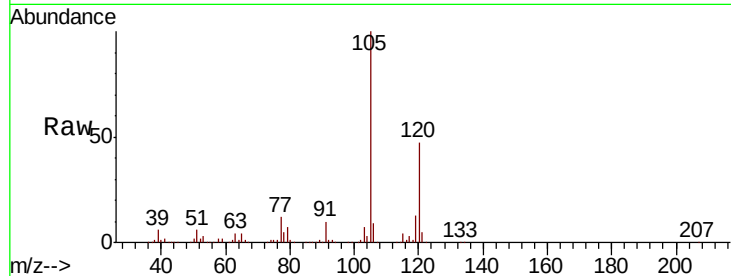
ClientSampleId :

Tot Ion:105 Resp: 277235

Ion Ratio Lower Upper

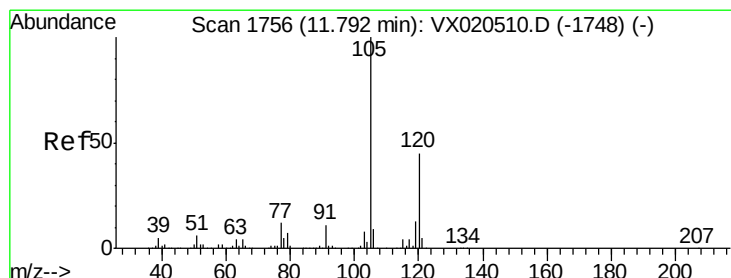
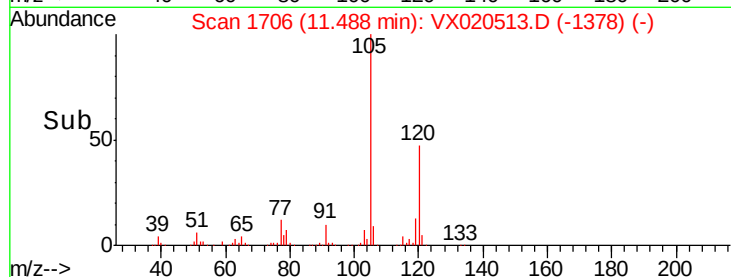
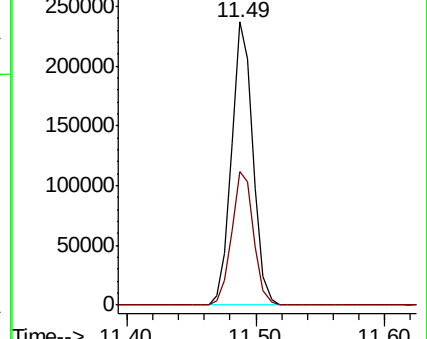
105 100

120 48.5 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 6.039 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX020513.D

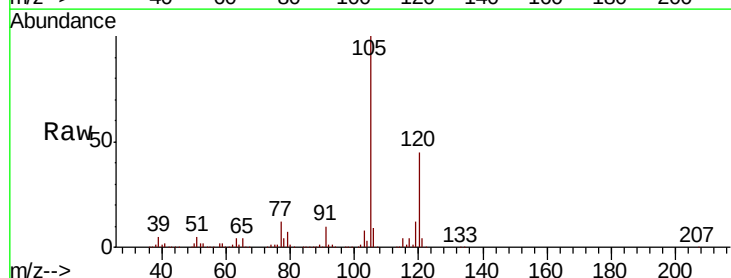
Acq: 06 Jan 2021 11:31

Tgt Ion:105 Resp: 286677

Ion Ratio Lower Upper

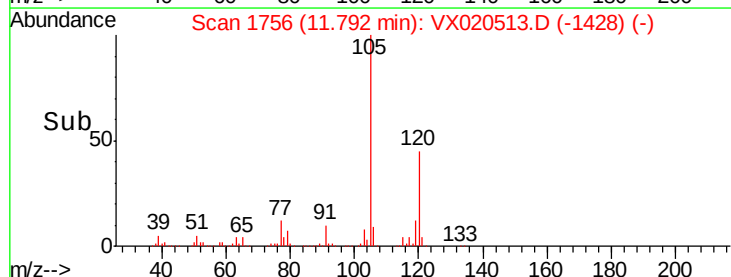
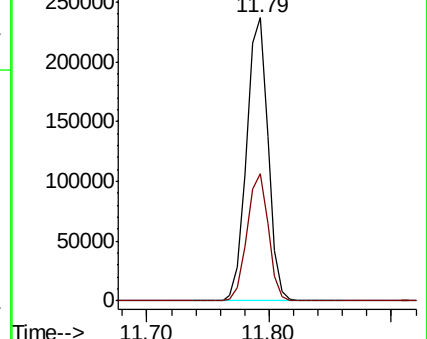
105 100

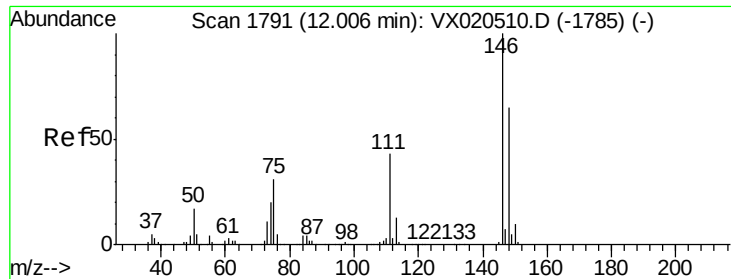
120 44.6 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 5.558 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

Instrument :

MSVOA_X

ClientSampleId :

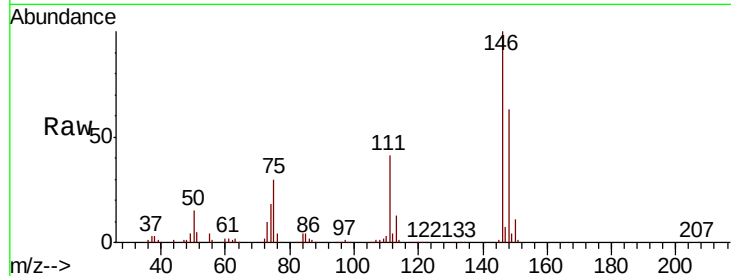
Tot Ion:146 Resp: 158176

Ion Ratio Lower Upper

146 100

111 40.8 28.2 52.4

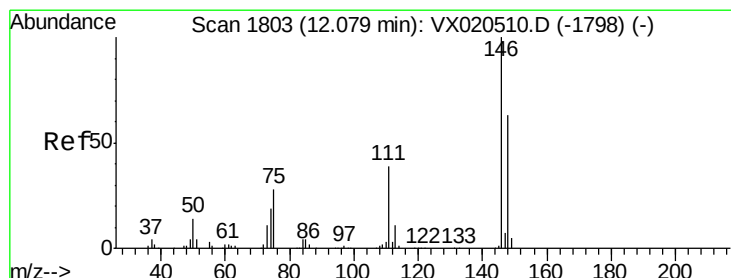
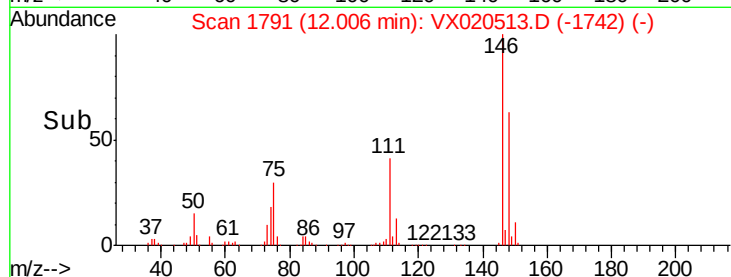
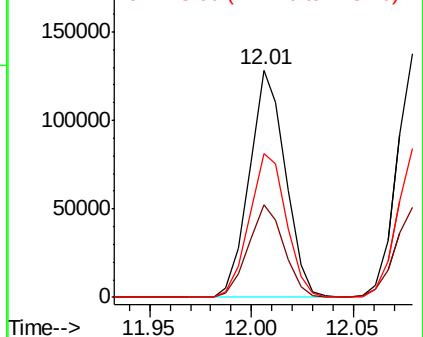
148 63.4 41.7 77.5



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



#65

1,4-Dichlorobenzene

Concen: 5.664 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX020513.D

Acq: 06 Jan 2021 11:31

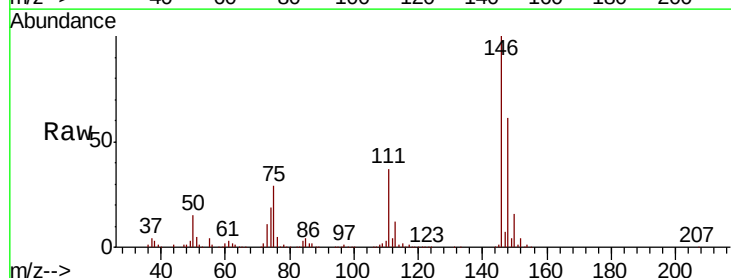
Tgt Ion:146 Resp: 162828

Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.8

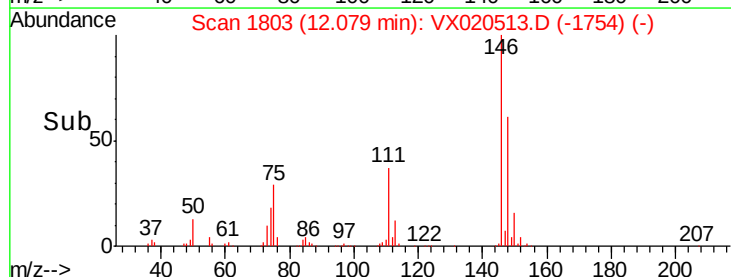
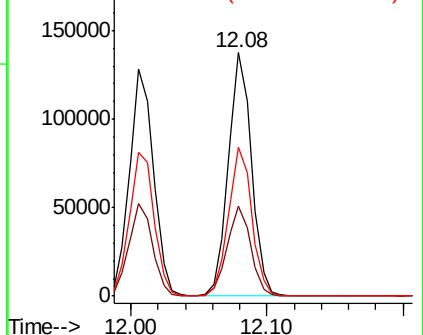
148 61.3 44.1 81.9

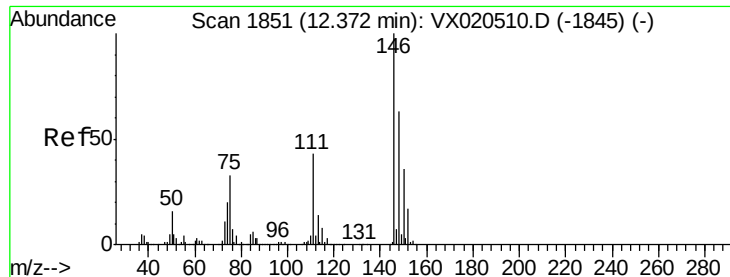


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

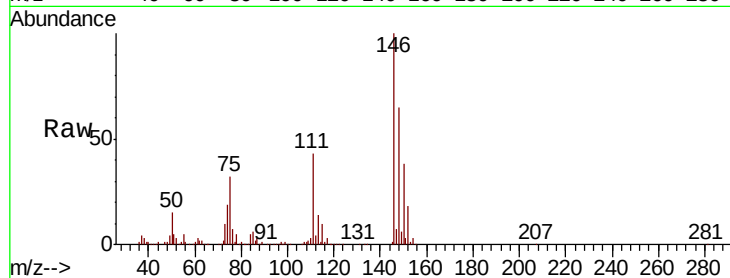




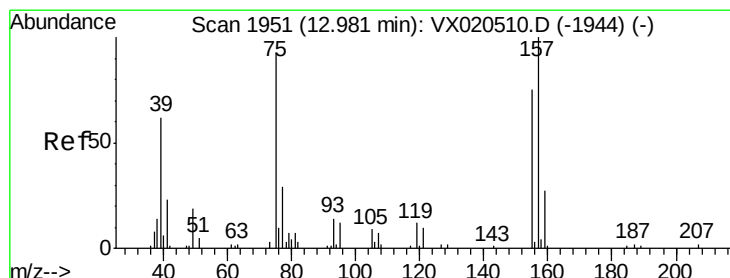
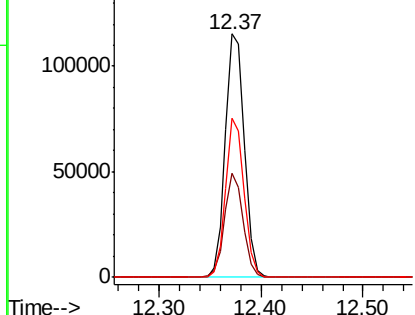
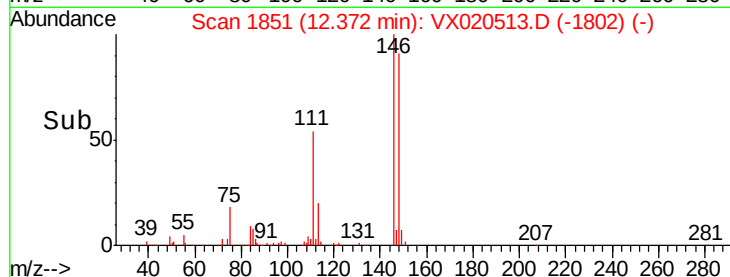
#67
 1,2-Dichlorobenzene
 Concen: 5.635 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 149412
 Ion Ratio Lower Upper
 146 100
 111 42.7 36.3 54.5
 148 65.3 51.5 77.3

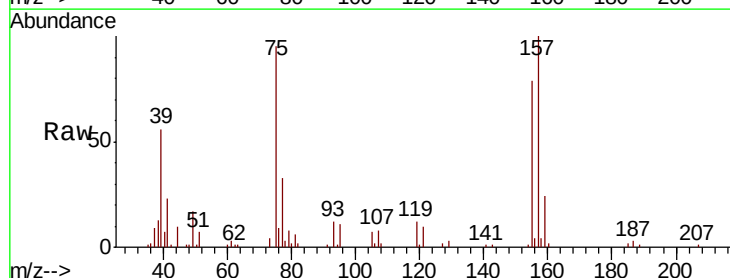


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

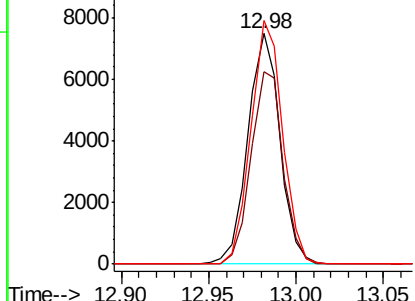
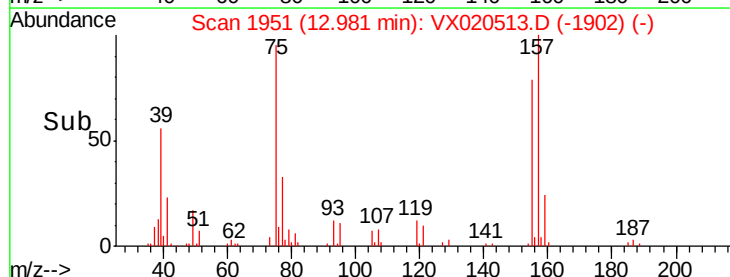


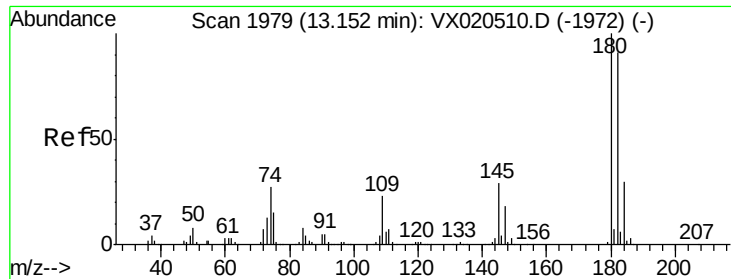
#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.446 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion: 75 Resp: 9595
 Ion Ratio Lower Upper
 75 100
 155 83.3 69.8 104.8
 157 105.6 90.0 135.0



Abundance Ion 75.05 (74.75 to 75.75): VX0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

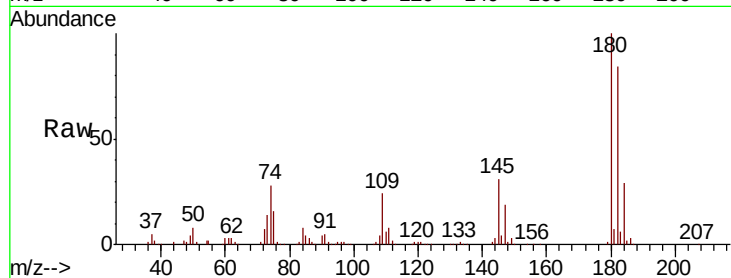




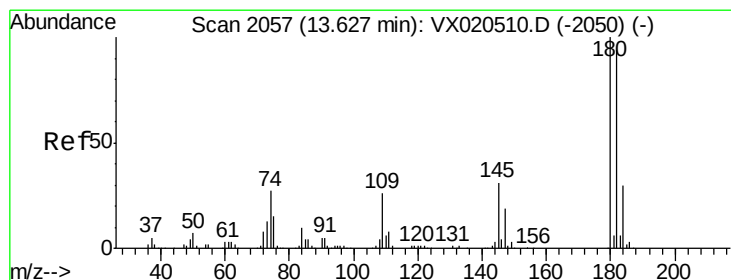
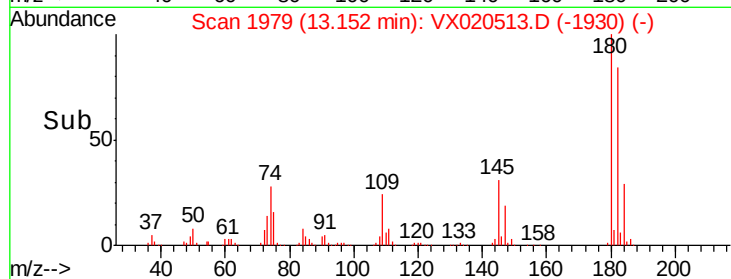
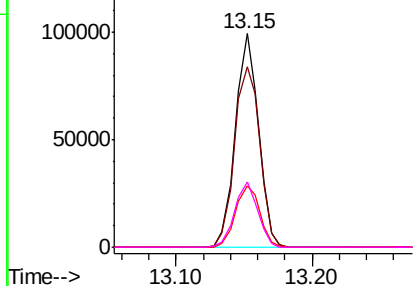
#69
 1,3,5-Trichlorobenzene
 Concen: 5.429 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 117424
 Ion Ratio Lower Upper
 180 100
 182 92.4 77.0 115.4
 184 30.3 24.6 36.8
 145 30.6 23.6 35.4

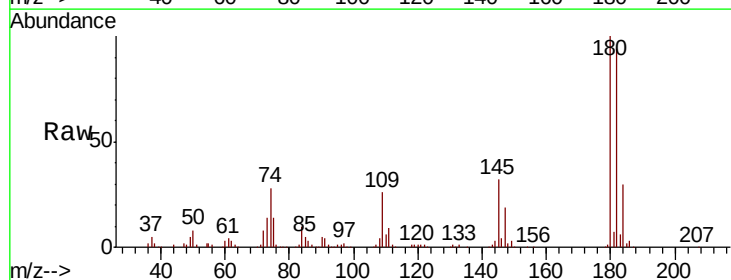


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

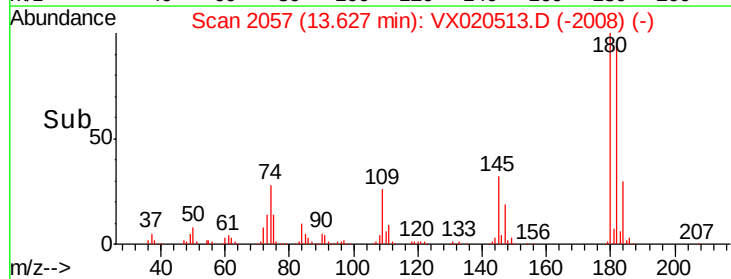
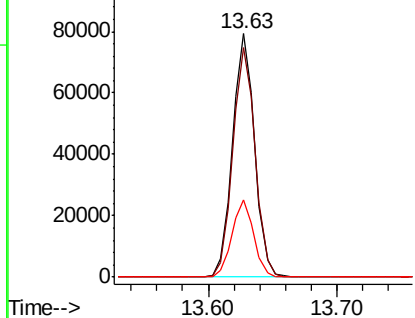


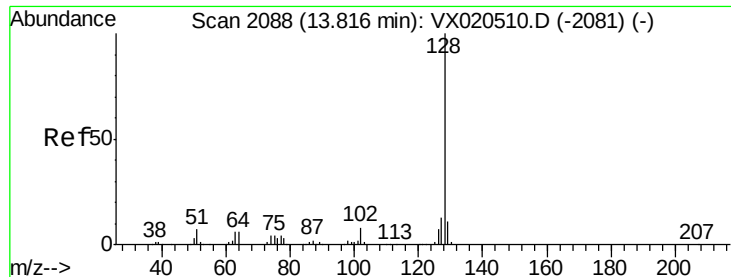
#70
 1,2,4-trichlorobenzene
 Concen: 5.516 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020513.D
 Acq: 06 Jan 2021 11:31

Tgt Ion:180 Resp: 95133
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.3 111.5
 145 31.3 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

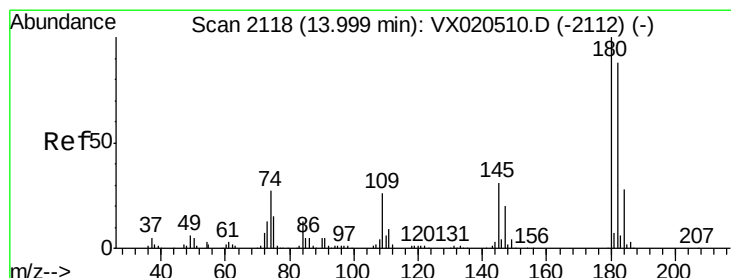
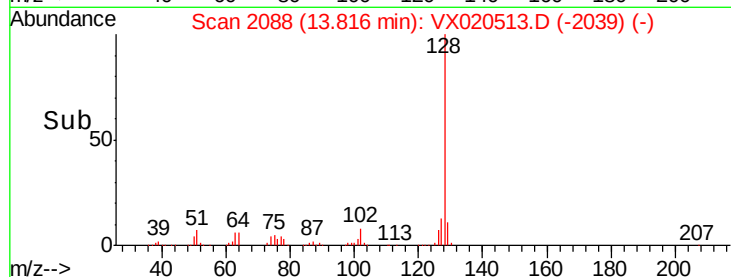
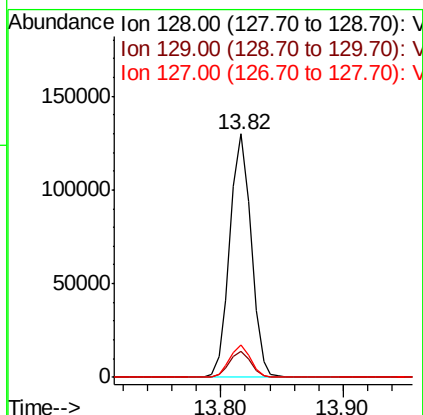
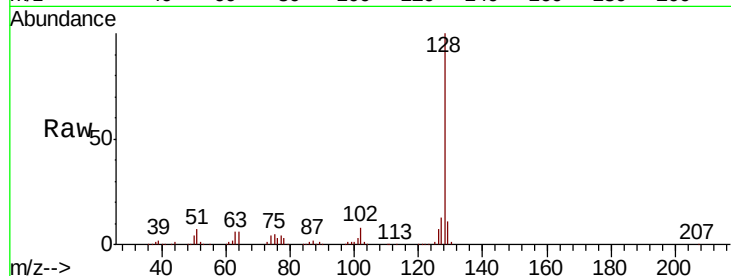




#71
Naphthalene
Concen: 5.532 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 156585
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 13.0 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 5.531 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020513.D
Acq: 06 Jan 2021 11:31

Tgt Ion:180 Resp: 88264
Ion Ratio Lower Upper
180 100
182 95.4 79.3 118.9
145 32.7 26.5 39.7

