

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010721\
 Data File : VX020531.D
 Acq On : 07 Jan 2021 18:04
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 00:57:44 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	6.83	114	341629	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	337339	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	161779	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	132868	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.82%
7) Chloroethane-d5	1.69	69	107481	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.34	63	253144	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	4.53	46	181358	107.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.84%
24) Chloroform-d	5.14	84	265073	56.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.26%
26) 1,2-Dichloroethane-d4	6.03	65	162831	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	6.05	84	526007	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.68%
36) 1,2-Dichloropropane-d6	7.37	67	161885	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.18%
41) Toluene-d8	8.70	98	466053	50.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.32%
43) trans-1,3-Dichloropropene-	8.99	79	77718	50.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.82%
47) 2-Hexanone-d5	9.43	63	142051	102.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.50%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	220531	50.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.20%
66) 1,2-Dichlorobenzene-d4	12.36	152	172184	54.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	160335	48.210	ug/L 99
3) Chloromethane	1.31	50	144881	48.402	ug/L 99
5) Vinyl chloride	1.39	62	153169	48.169	ug/L 98
6) Bromomethane	1.64	94	82368	51.209	ug/L 98
8) Chloroethane	1.71	64	92887	48.770	ug/L 99
9) Trichlorofluoromethane	1.92	101	201635	50.353	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	126390	50.761	ug/L 99
12) 1,1-Dichloroethene	2.36	96	121868	50.070	ug/L 92
13) Acetone	2.42	43	114315	82.933	ug/L 99
14) Carbon disulfide	2.55	76	374255	47.915	ug/L 99
15) Methyl Acetate	2.75	43	130268	47.463	ug/L 99
16) Methylene chloride	2.84	84	139683	47.999	ug/L 99
17) trans-1,2-Dichloroethene	3.14	96	126438	48.260	ug/L 97
18) Methyl tert-butyl Ether	3.17	73	392667	49.593	ug/L 100
19) 1,1-Dichloroethane	3.67	63	234036	49.381	ug/L 99
20) cis-1,2-Dichloroethene	4.56	96	139748	48.776	ug/L 95
22) 2-Butanone	4.64	43	181618	89.147	ug/L 98

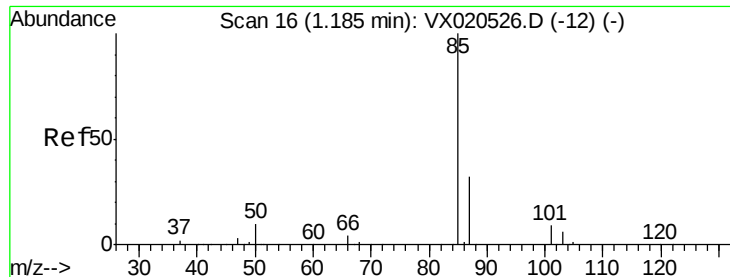
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010721\
 Data File : VX020531.D
 Acq On : 07 Jan 2021 18:04
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 00:57:44 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)
23) Bromochloromethane	4.98	128	72526	48.955	ug/L	96
25) Chloroform	5.17	83	241854	46.747	ug/L	98
27) 1,2-Dichloroethane	6.16	62	187682	49.199	ug/L	99
29) Cyclohexane	5.55	56	204401	49.144	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	210877	48.912	ug/L	99
31) Carbon tetrachloride	5.76	117	178069	48.846	ug/L	99
33) Benzene	6.11	78	542784	48.683	ug/L	100
34) Trichloroethene	7.18	95	137825	48.539	ug/L	99
35) Methylcyclohexane	7.44	83	210433	49.298	ug/L	99
37) 1,2-Dichloropropane	7.49	63	137985	48.787	ug/L	99
38) Bromodichloromethane	7.87	83	177230	48.800	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	205732	48.370	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	348917	93.899	ug/L	99
42) Toluene	8.76	91	564246	48.306	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	201044	48.417	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	132057	47.177	ug/L	98
46) Tetrachloroethene	9.32	164	104443	47.454	ug/L	94
48) 2-Hexanone	9.47	43	274216	93.387	ug/L	98
49) Dibromochloromethane	9.56	129	138576	48.284	ug/L	99
50) 1,2-Dibromoethane	9.65	107	138225	47.669	ug/L	96
51) Chlorobenzene	10.12	112	354489	47.935	ug/L	97
52) Ethylbenzene	10.23	91	631485	50.560	ug/L	100
53) m,p-Xylene	10.34	106	230936	49.489	ug/L	98
54) o-Xylene	10.68	106	220221	48.630	ug/L	98
55) Styrene	10.70	104	384198	50.114	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	209430	47.149	ug/L	100
59) Bromoform	10.84	173	99865	49.419	ug/L	99
60) Isopropylbenzene	11.00	105	595225	52.181	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	173535	49.173	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	477345	51.311	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	502715	53.535	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	257725	48.431	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	261096	48.559	ug/L	99
67) 1,2-Dichlorobenzene	12.37	146	269654	50.823	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	42914	48.075	ug/L	95
69) 1,3,5-Trichlorobenzene	13.15	180	179864	49.234	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	154698	49.181	ug/L	99
71) Naphthalene	13.82	128	554955	53.406	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	166240	51.371	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 48.210 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

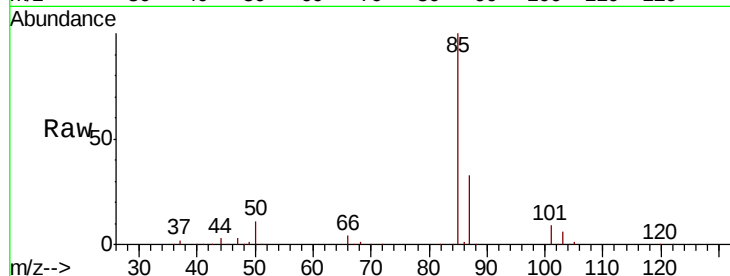
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 85 Resp: 160335

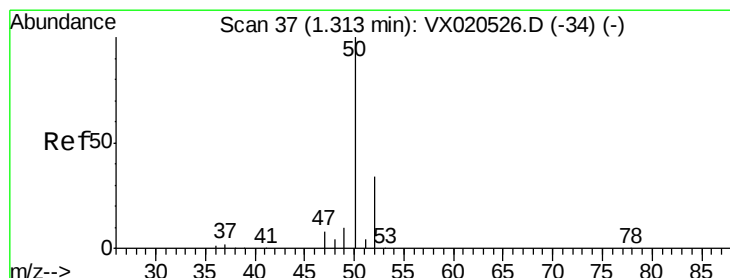
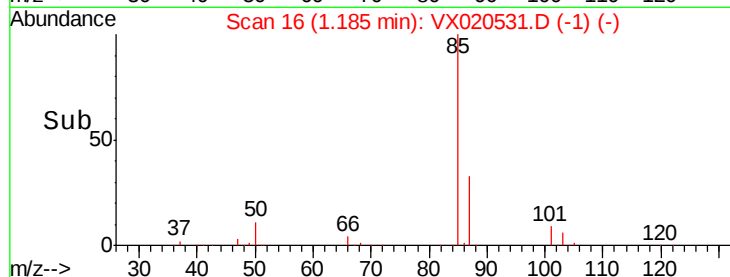
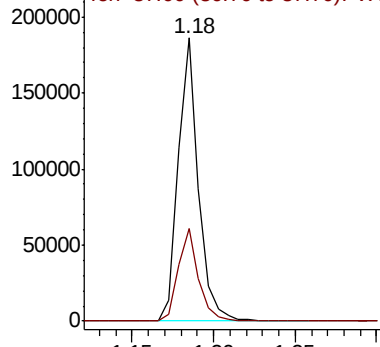
Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 48.402 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020531.D

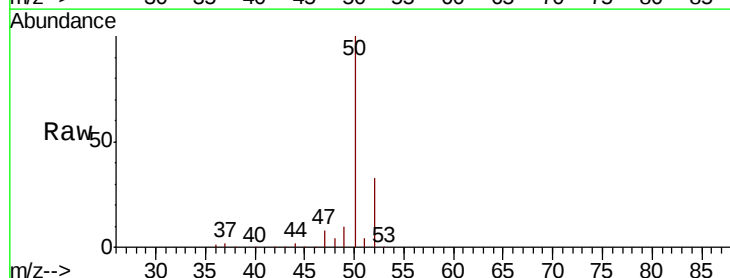
Acq: 07 Jan 2021 18:04

Tgt Ion: 50 Resp: 144881

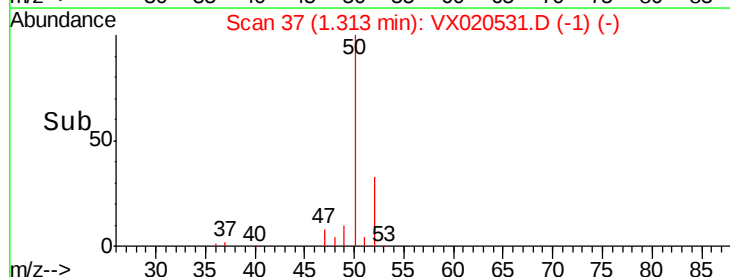
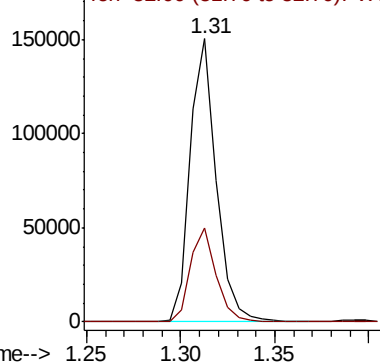
Ion Ratio Lower Upper

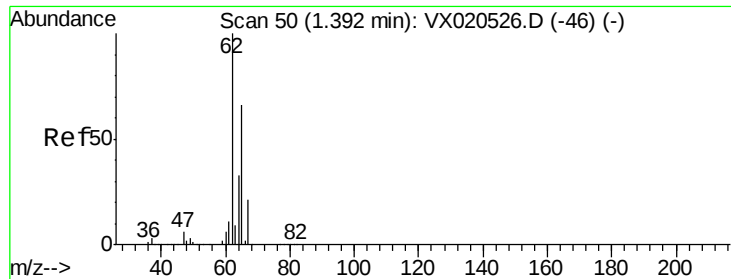
50 100

52 33.1 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 48.169 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

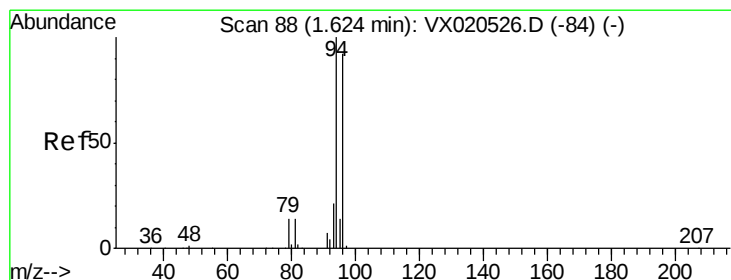
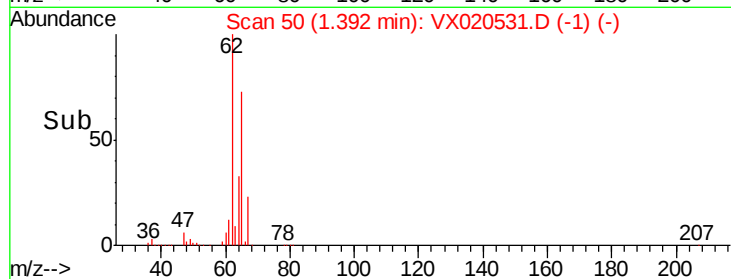
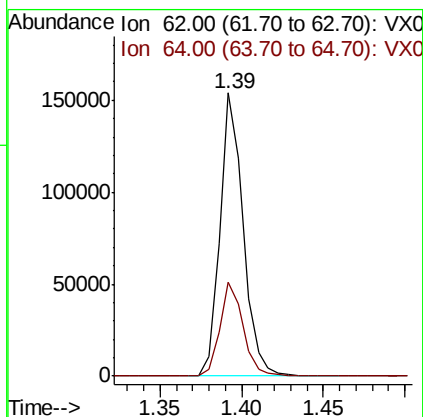
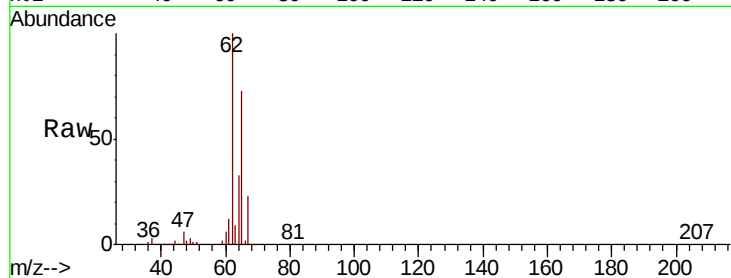
ClientSampleId :

Tot Ion: 62 Resp: 153169

Ion Ratio Lower Upper

62 100

64 33.4 22.7 42.3



#6

Bromomethane

Concen: 51.209 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020531.D

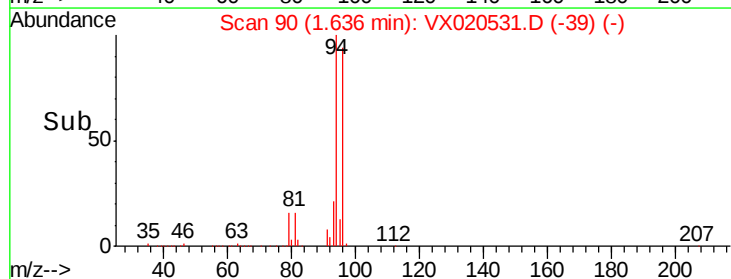
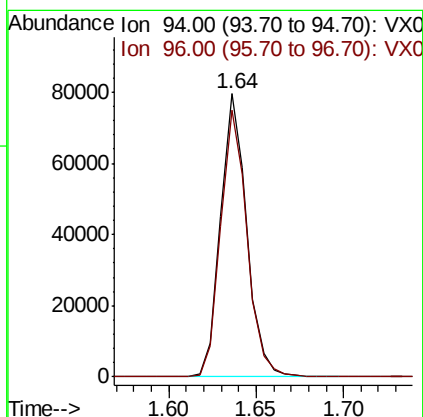
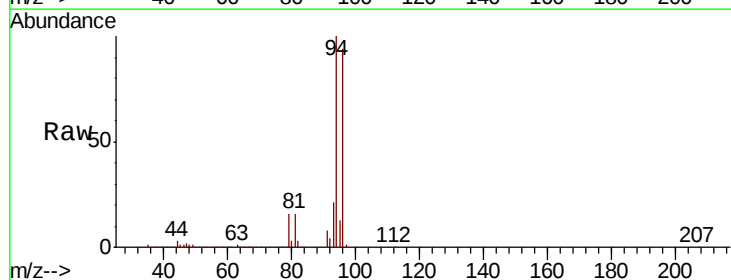
Acq: 07 Jan 2021 18:04

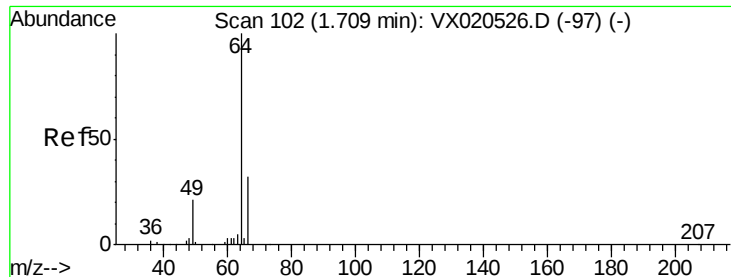
Tgt Ion: 94 Resp: 82368

Ion Ratio Lower Upper

94 100

96 94.4 64.8 120.3





#8

Chloroethane

Concen: 48.770 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

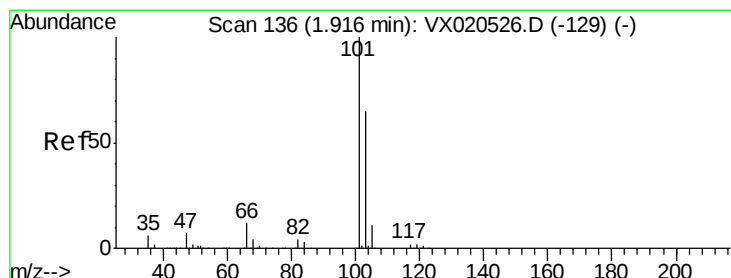
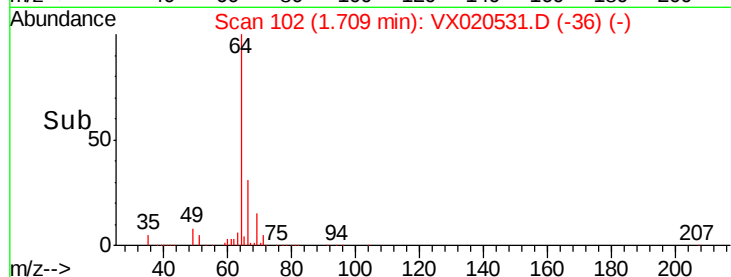
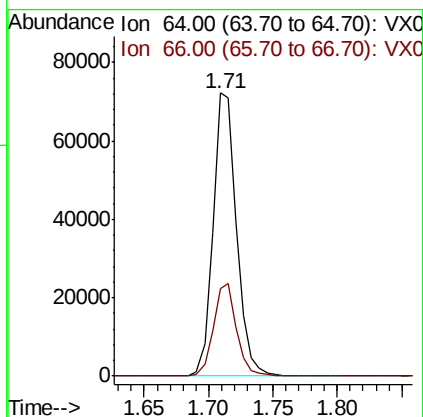
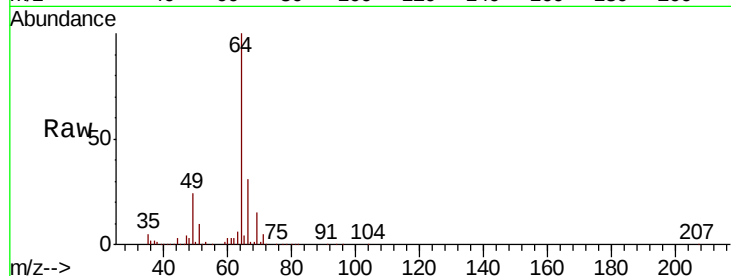
ClientSampled :

Tot Ion: 64 Resp: 92887

Ion Ratio Lower Upper

64 100

66 31.0 22.0 41.0



#9

Trichlorofluoromethane

Concen: 50.353 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020531.D

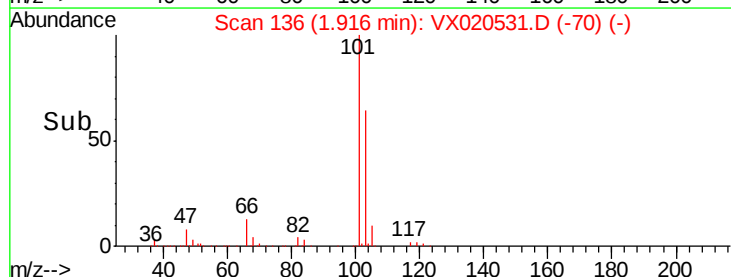
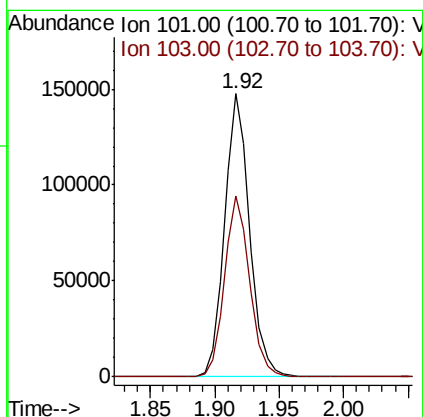
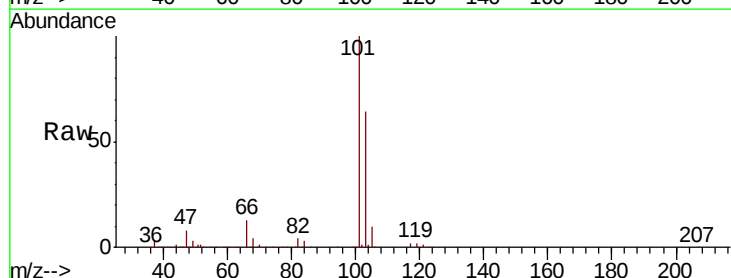
Acq: 07 Jan 2021 18:04

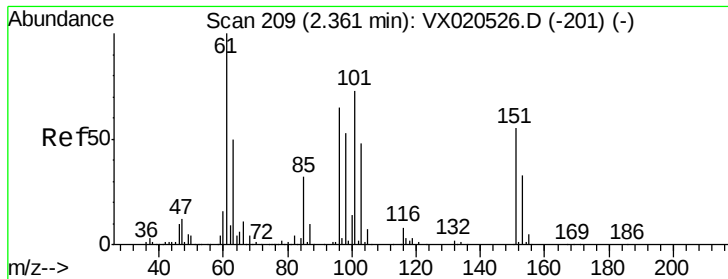
Tgt Ion: 101 Resp: 201635

Ion Ratio Lower Upper

101 100

103 64.3 52.2 78.2





#10

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

Concen: 50.761 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

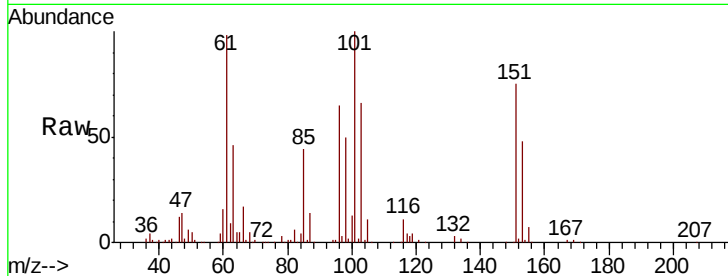
Tot Ion:101 Resp: 126390

Ion Ratio Lower Upper

101 100

85 43.1 34.3 51.5

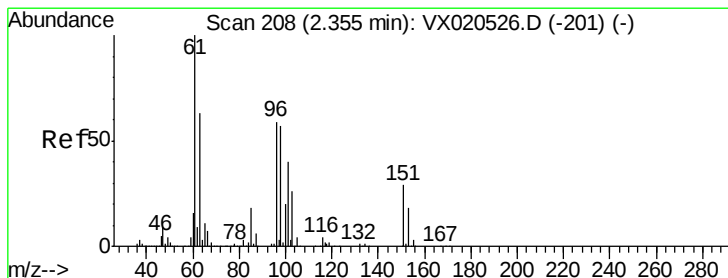
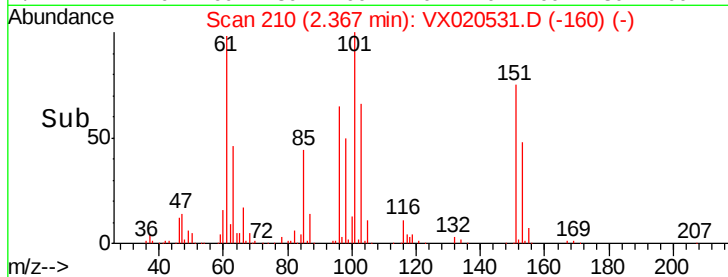
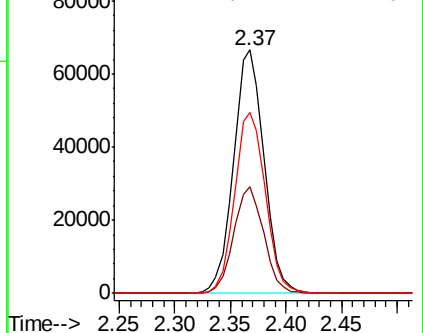
151 74.5 60.7 91.1



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: 50.070 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

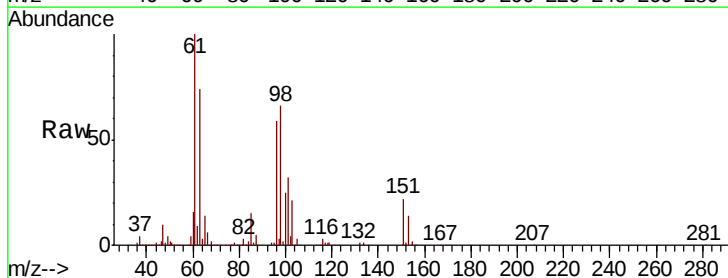
Tgt Ion: 96 Resp: 121868

Ion Ratio Lower Upper

96 100

61 170.1 115.5 214.5

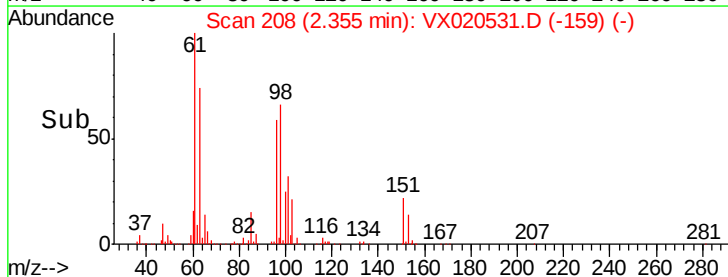
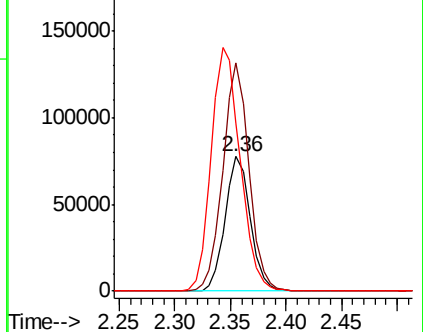
63 125.6 77.3 143.7

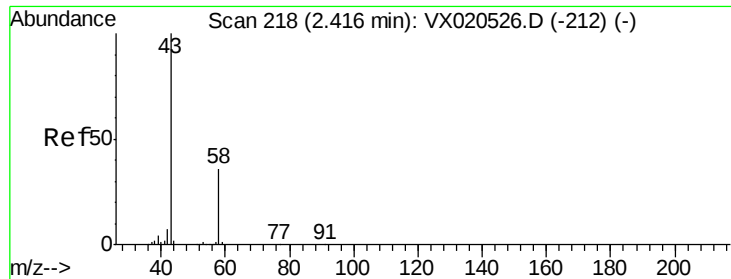


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 82.933 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

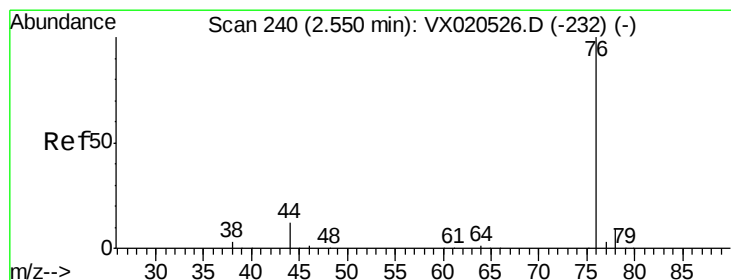
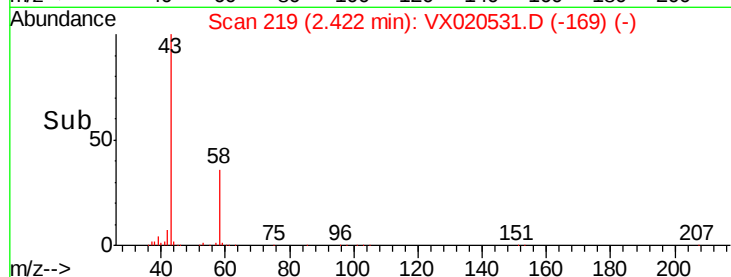
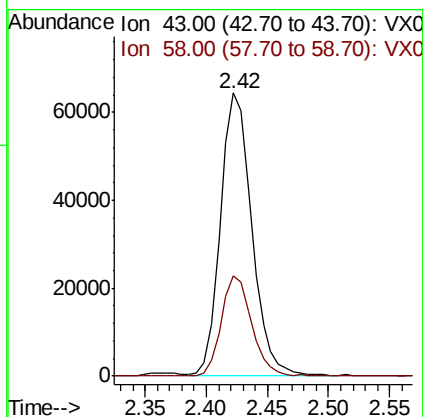
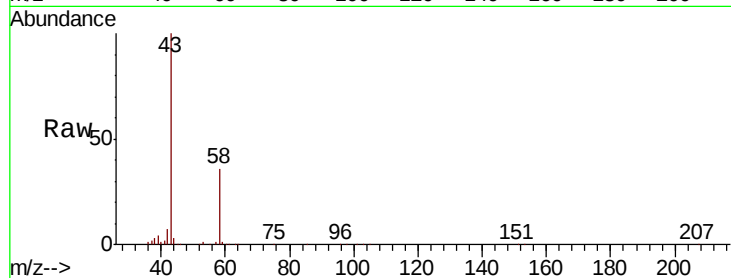
ClientSampleId :

Tot Ion: 43 Resp: 114315

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.2



#14

Carbon disulfide

Concen: 47.915 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020531.D

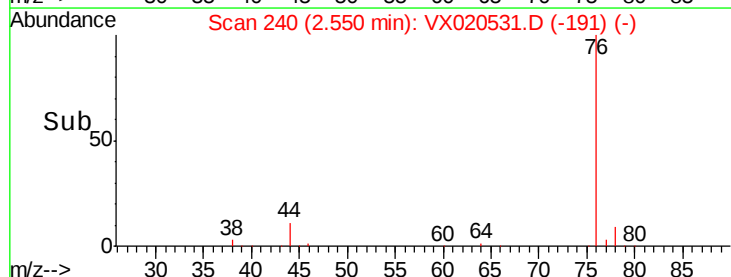
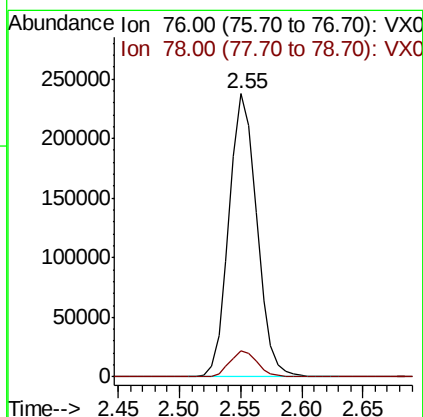
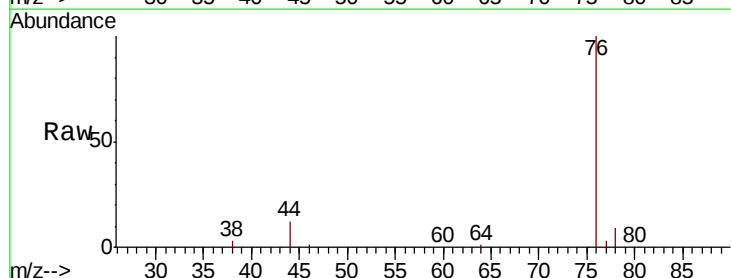
Acq: 07 Jan 2021 18:04

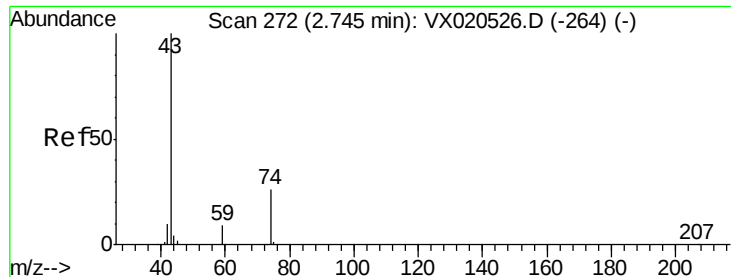
Tgt Ion: 76 Resp: 374255

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

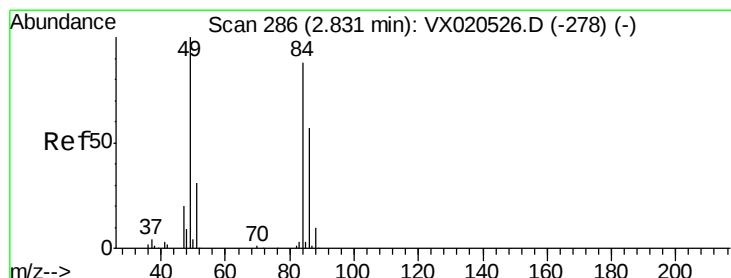
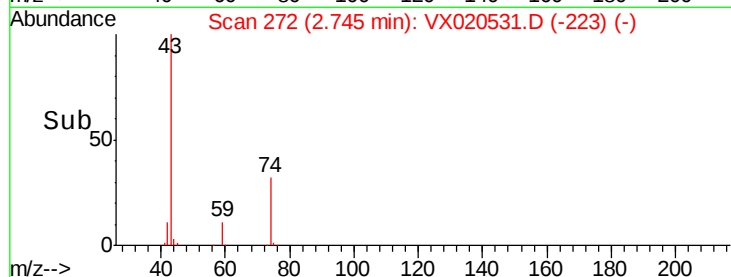
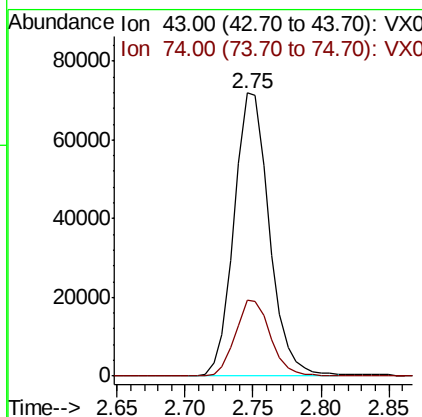
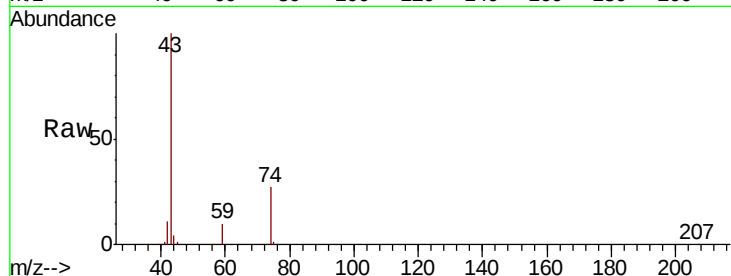




#15
Methvl Acetate
Concen: 47.463 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

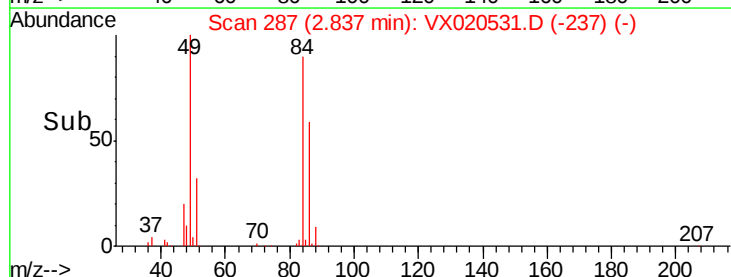
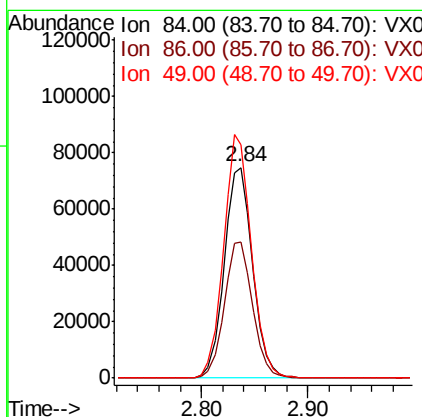
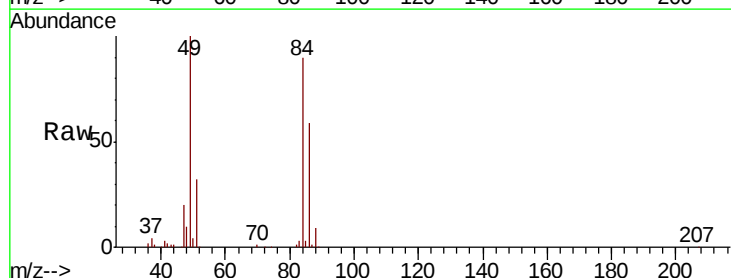
Instrument :
MSVOA_X
ClientSampleId :

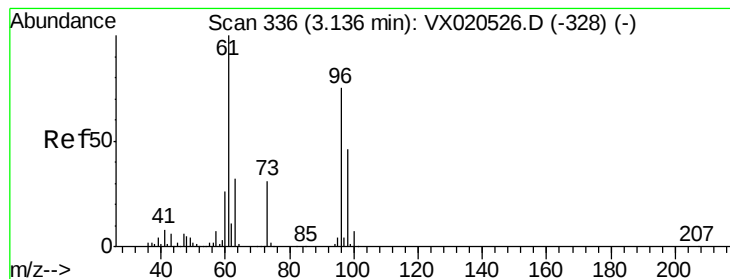
Tot Ion: 43 Resp: 130268
Ion Ratio Lower Upper
43 100
74 26.8 21.7 32.5



#16
Methylene chloride
Concen: 47.999 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Tgt Ion: 84 Resp: 139683
Ion Ratio Lower Upper
84 100
86 64.9 44.2 82.0
49 110.8 77.8 144.6





#17

trans-1,2-Dichloroethene

Concen: 48.260 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

ClientSampled :

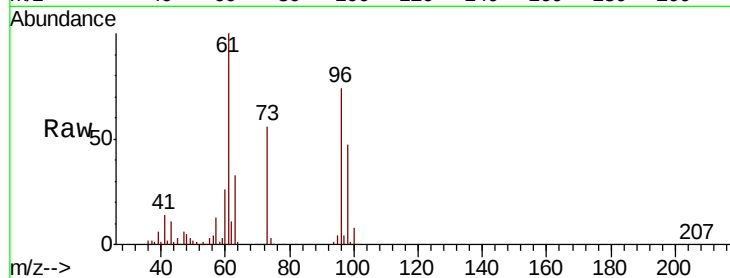
Tot Ion: 96 Resp: 126438

Ion Ratio Lower Upper

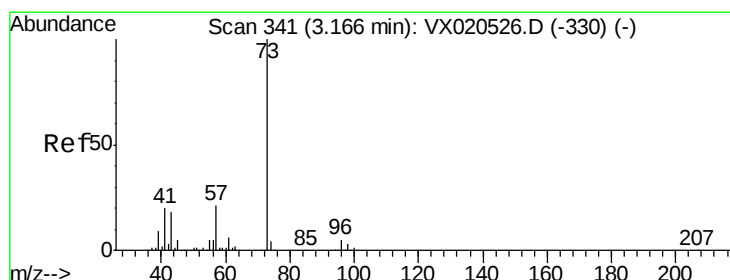
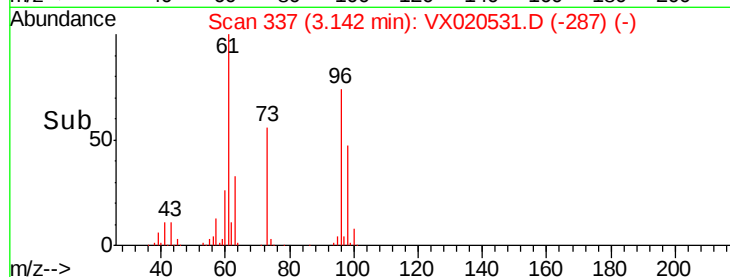
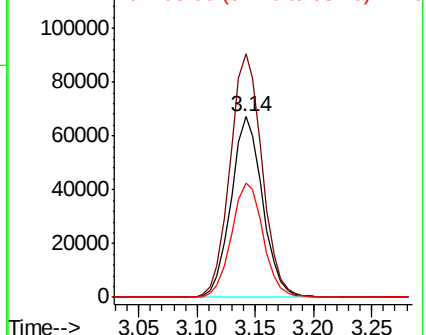
96 100

61 134.8 92.3 171.3

98 63.0 46.3 85.9



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 49.593 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

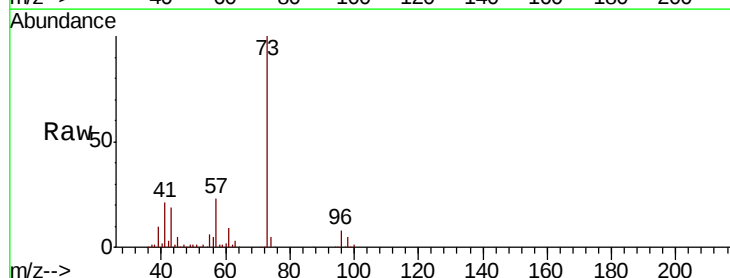
Tgt Ion: 73 Resp: 392667

Ion Ratio Lower Upper

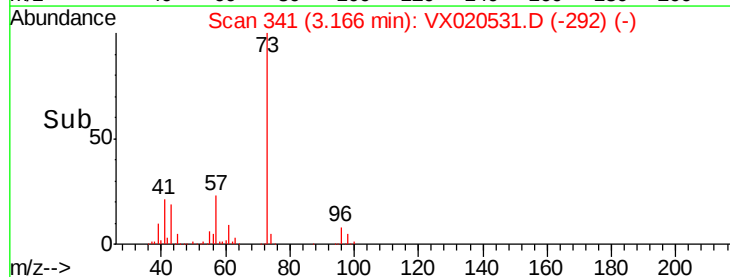
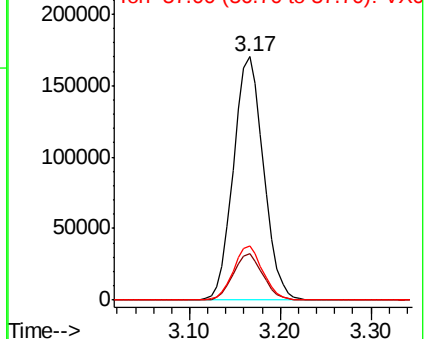
73 100

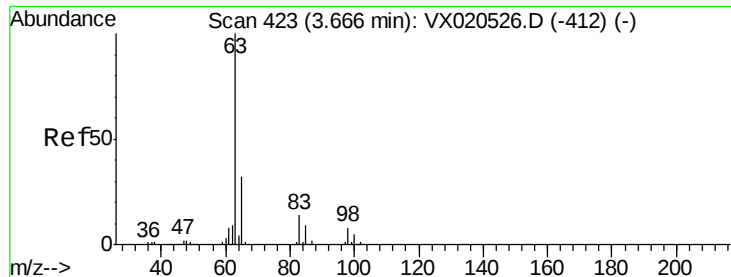
43 18.8 15.1 22.7

57 21.8 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

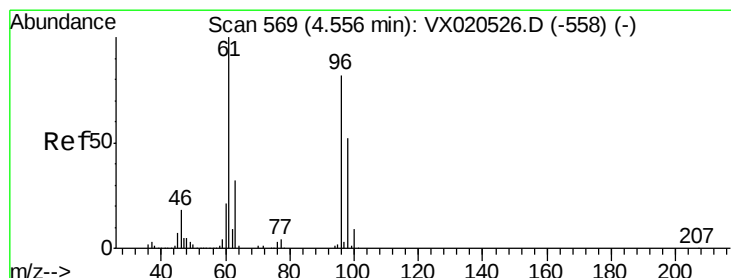
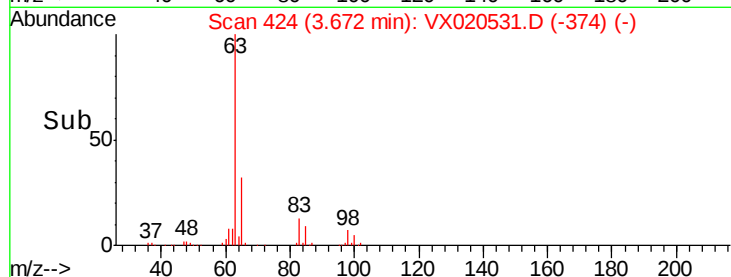
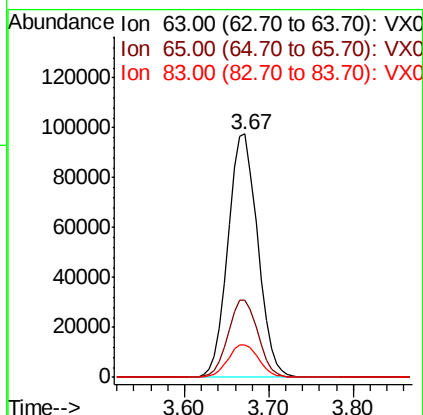
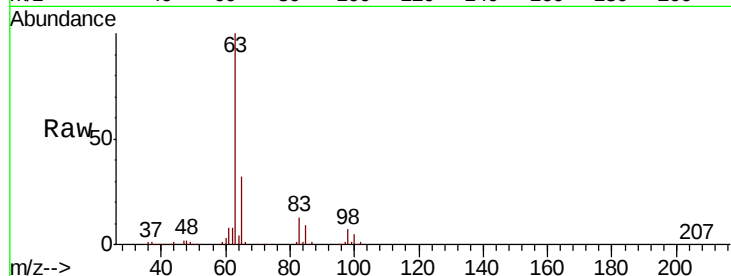




#19
 1,1-Dichloroethane
 Concen: 49.381 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

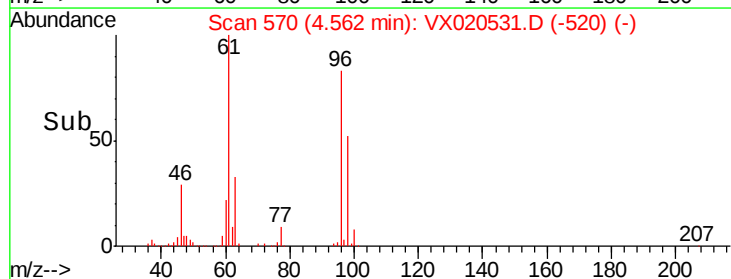
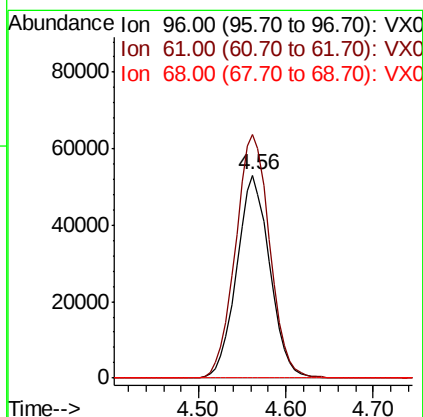
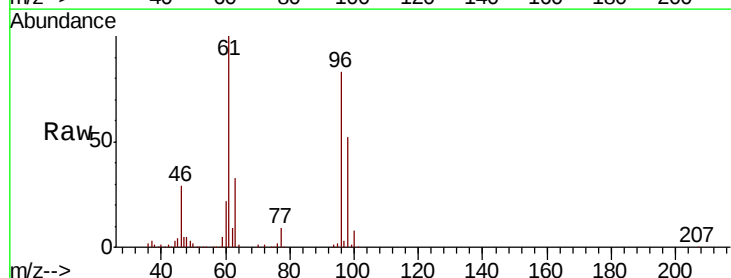
Instrument :
 MSVOA_X
 ClientSampleId :

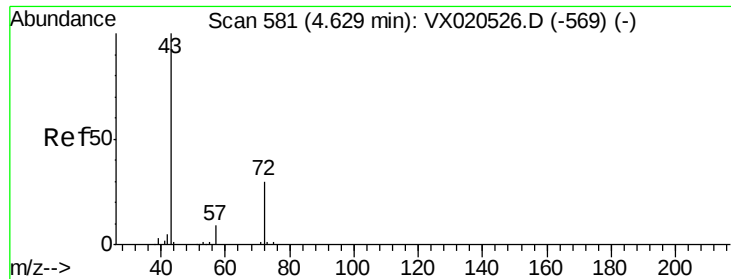
Tot Ion: 63 Resp: 234036
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.4 41.6
 83 13.3 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 48.776 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion: 96 Resp: 139748
 Ion Ratio Lower Upper
 96 100
 61 119.8 87.8 163.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.147 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

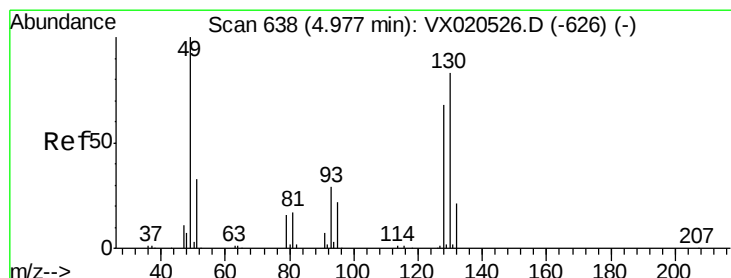
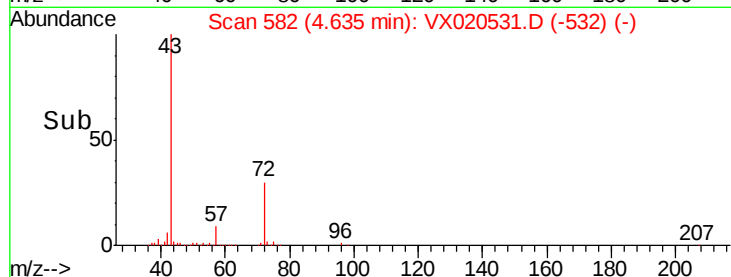
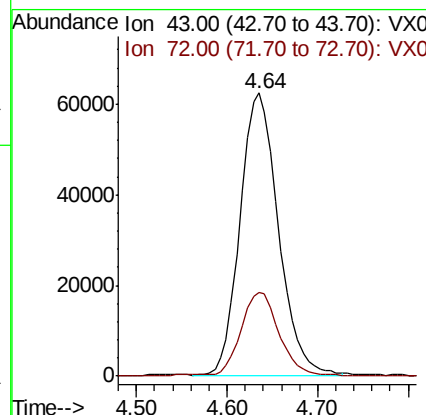
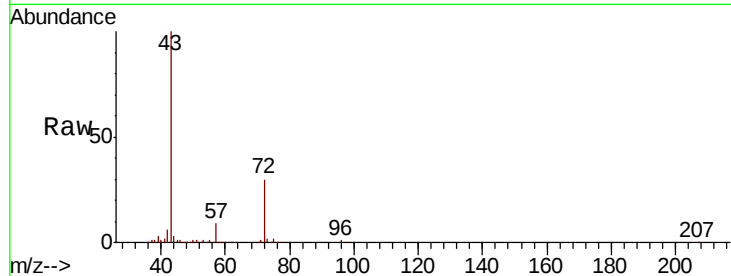
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 181618

Ion Ratio Lower Upper

43 100

72 29.5 15.3 45.8



#23

Bromochloromethane

Concen: 48.955 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Tgt Ion:128 Resp: 72526

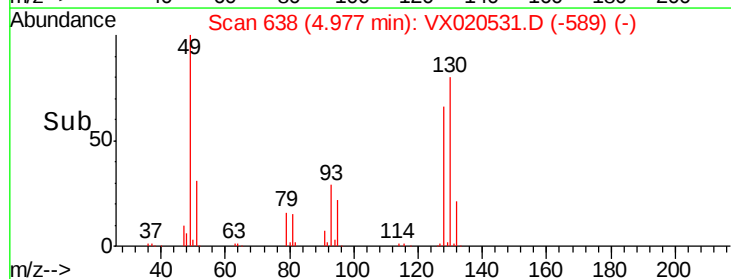
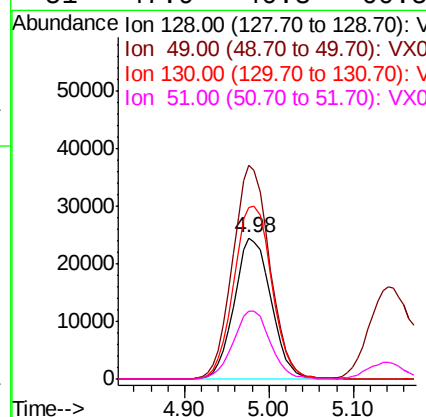
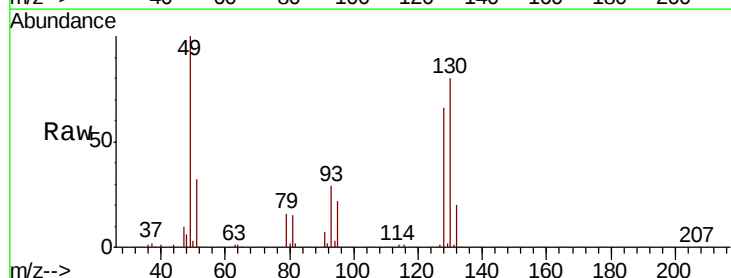
Ion Ratio Lower Upper

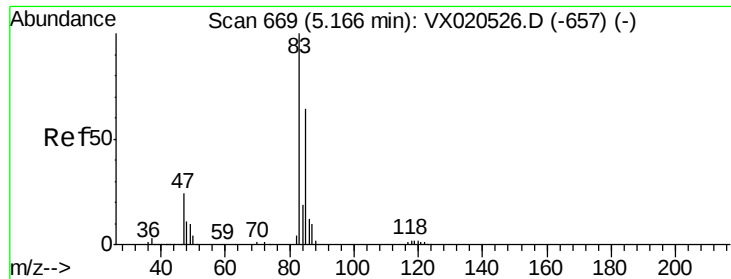
128 100

49 151.3 107.5 199.7

130 121.6 91.1 169.3

51 47.9 40.3 60.5

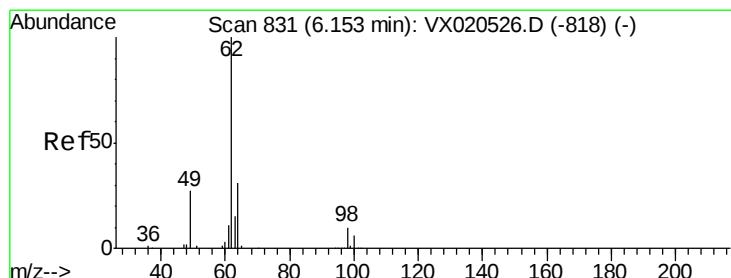
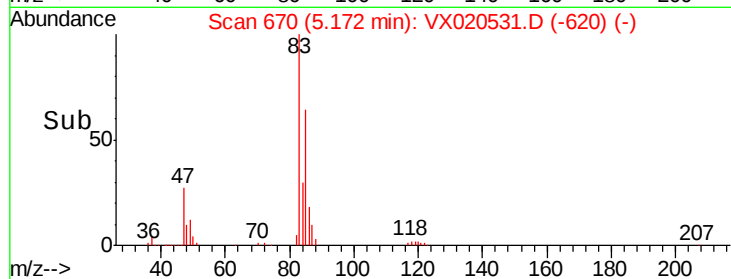
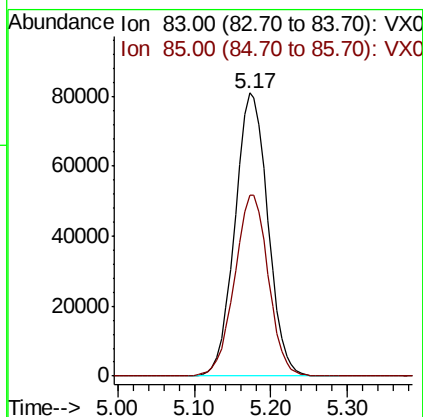
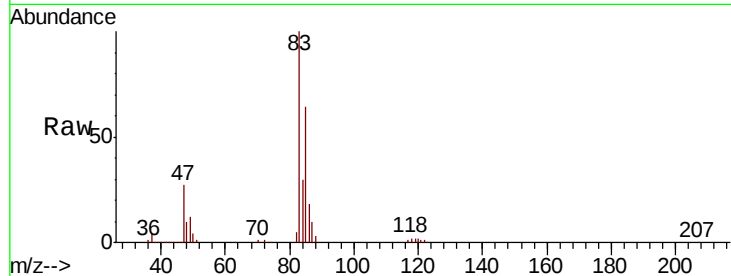




#25
Chloroform
Concen: 46.747 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.01 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

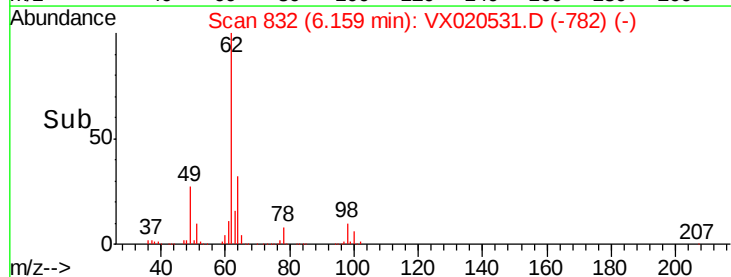
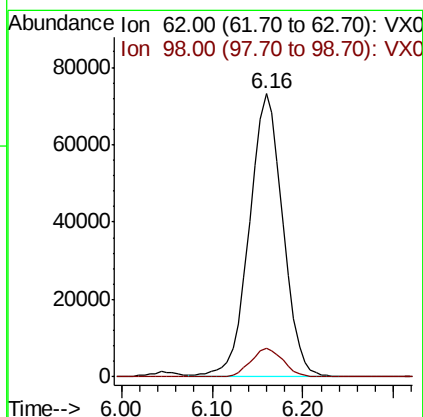
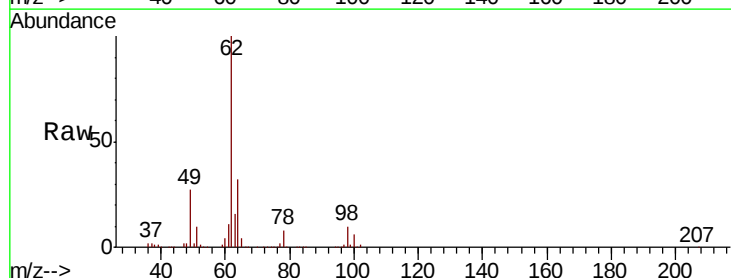
Instrument :
MSVOA_X
ClientSampleId :

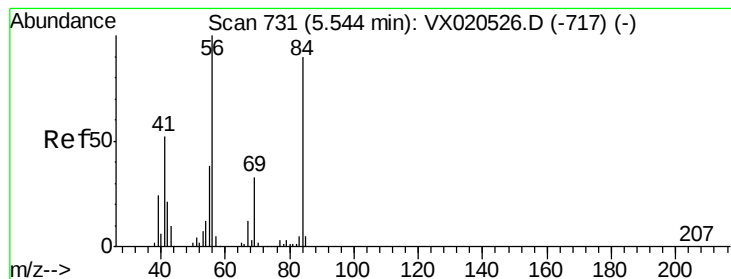
Tot Ion: 83 Resp: 241854
Ion Ratio Lower Upper
83 100
85 64.2 46.3 85.9



#27
1,2-Dichloroethane
Concen: 49.199 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Tgt Ion: 62 Resp: 187682
Ion Ratio Lower Upper
62 100
98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 49.144 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

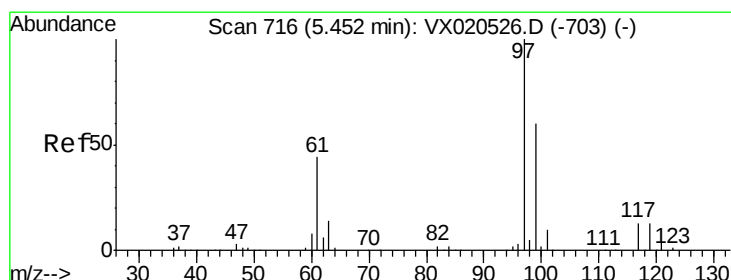
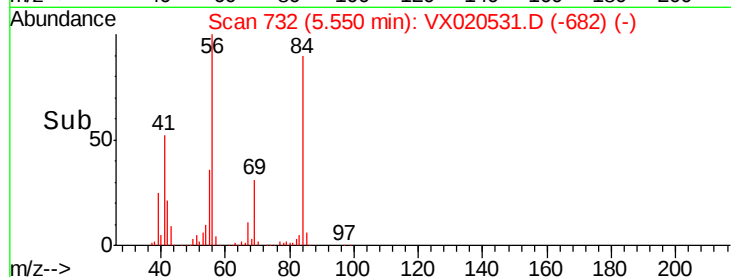
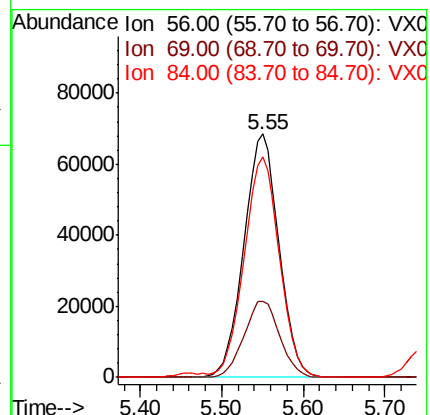
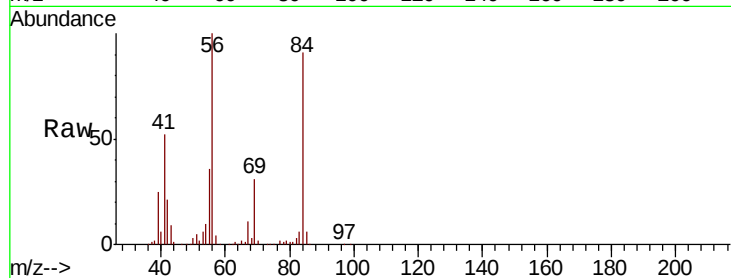
Tot Ion: 56 Resp: 204401

Ion Ratio Lower Upper

56 100

69 32.0 25.7 38.5

84 91.2 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 48.912 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

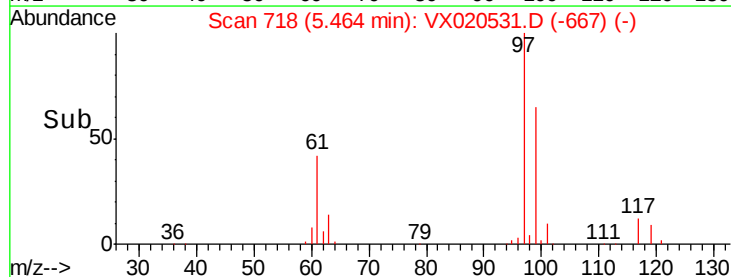
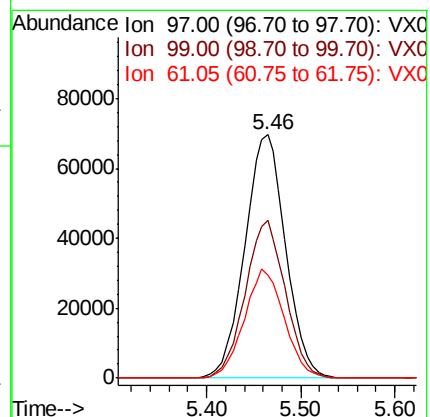
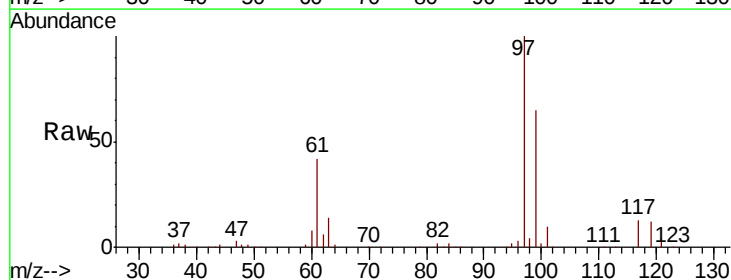
Tgt Ion: 97 Resp: 210877

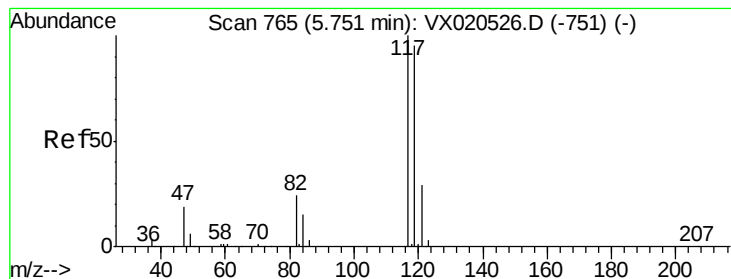
Ion Ratio Lower Upper

97 100

99 63.8 52.1 78.1

61 44.0 35.3 52.9





#31

Carbon tetrachloride

Concen: 48.846 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

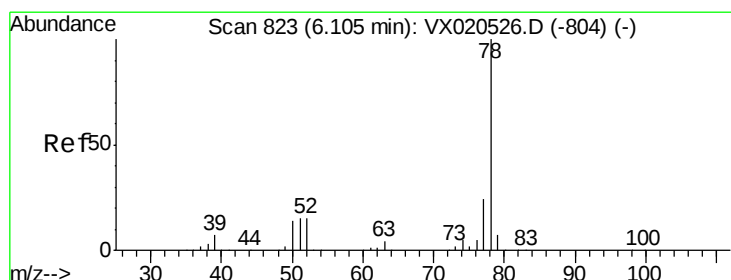
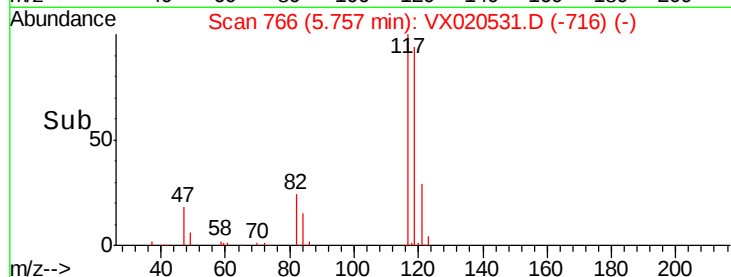
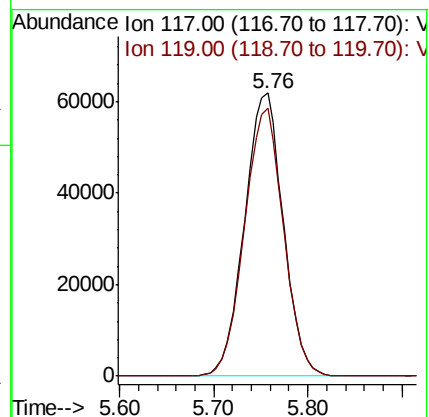
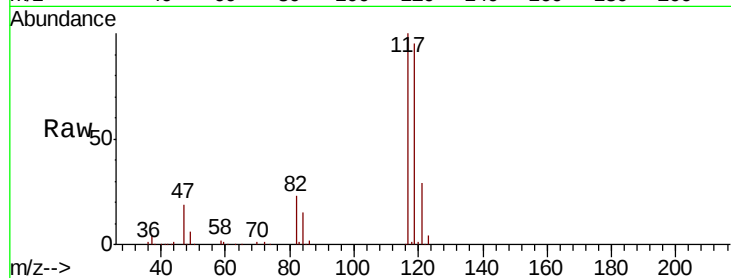
ClientSampleId :

Tot Ion:117 Resp: 178069

Ion Ratio Lower Upper

117 100

119 95.6 77.5 116.3



#33

Benzene

Concen: 48.683 ug/L

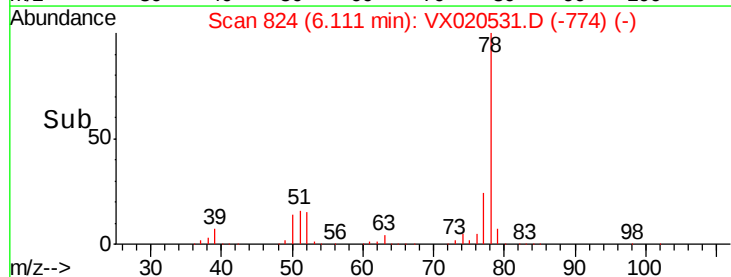
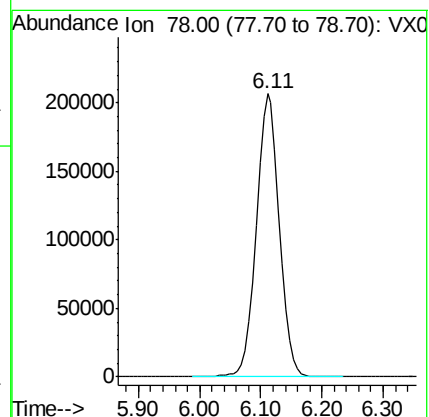
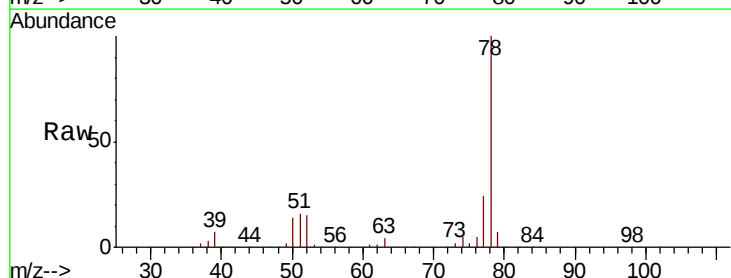
RT: 6.11 min Scan# 824

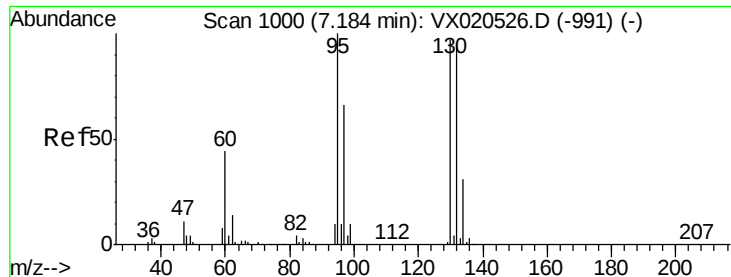
Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Tgt Ion: 78 Resp: 542784

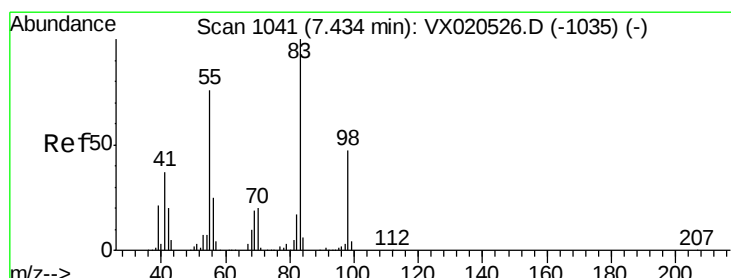
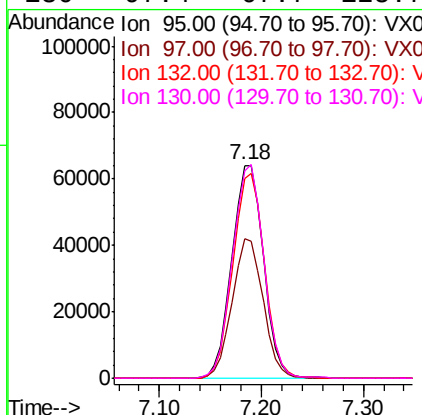
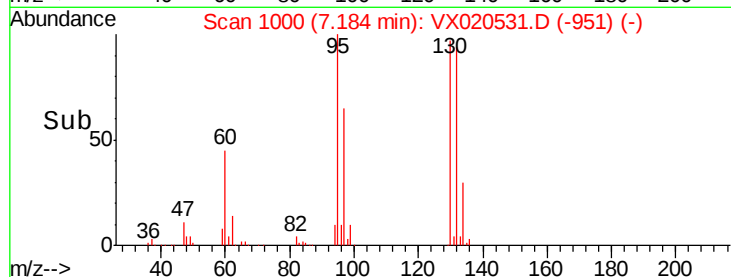
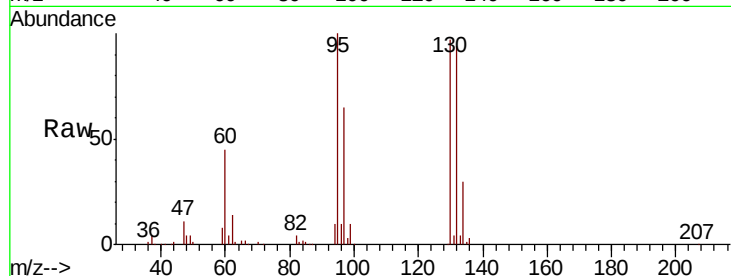




#34
 Trichloroethene
 Concen: 48.539 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

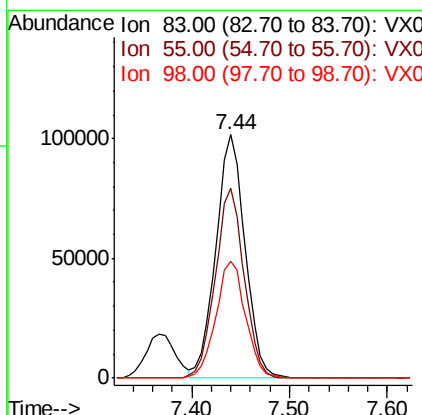
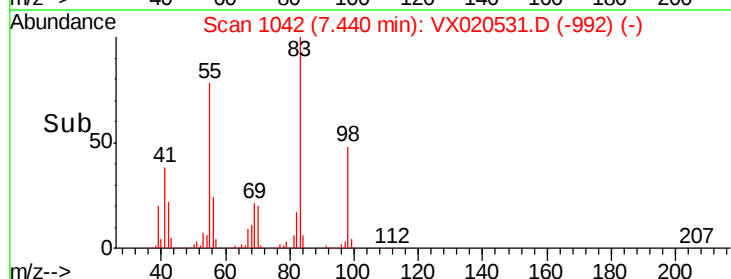
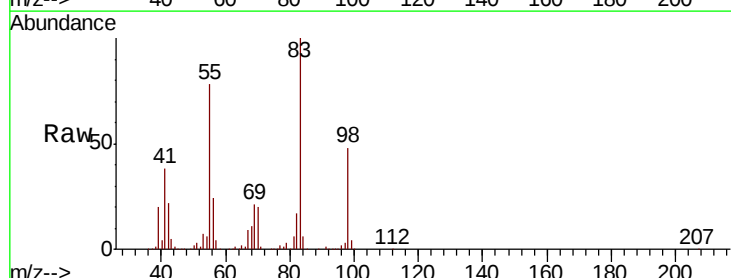
Instrument :
 MSVOA_X
 ClientSampleId :

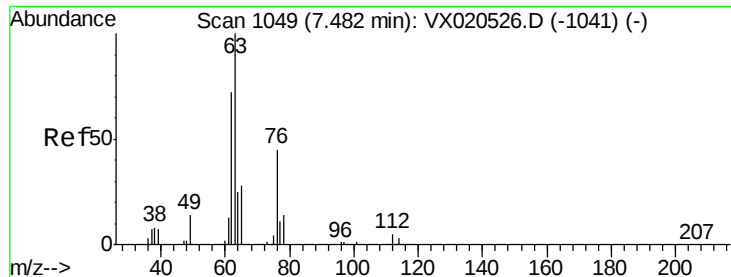
Tot Ion	Ion	Ratio	Lower	Upper
95	100			
97	65.3	44.5	82.7	
132	94.0	65.2	121.0	
130	97.4	67.7	125.7	



#35
 Methylcyclohexane
 Concen: 49.298 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
55	77.0	61.2	91.8	
98	48.8	38.7	58.1	

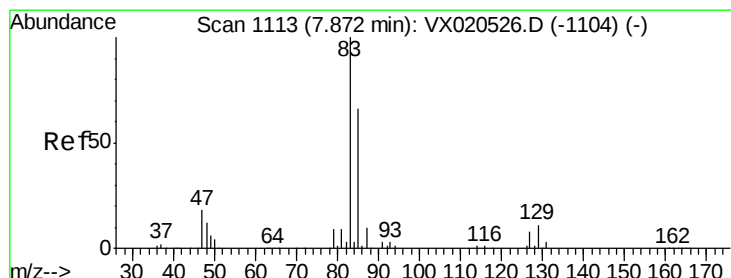
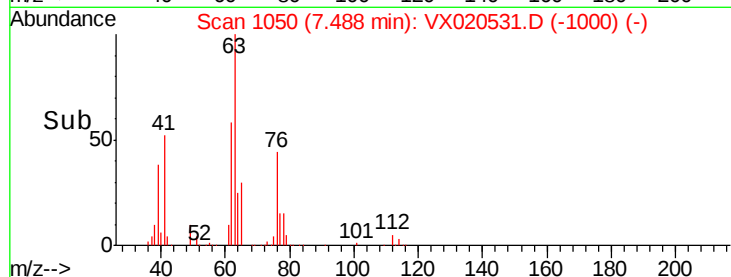
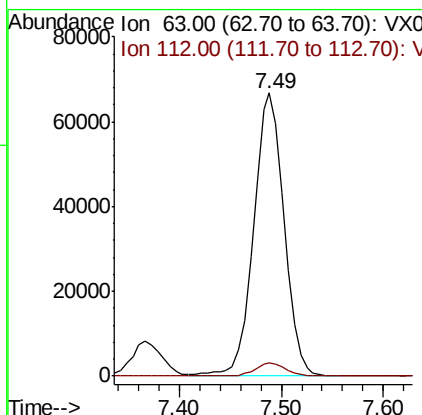
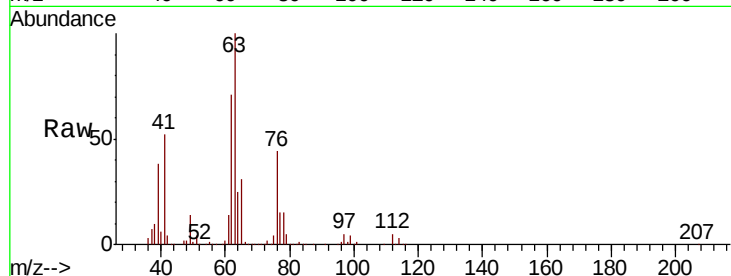




#37
 1,2-Dichloropropane
 Concen: 48.787 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

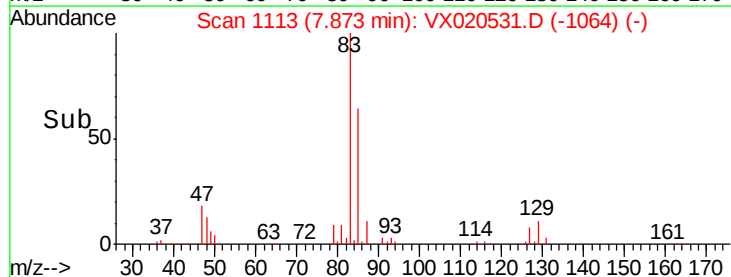
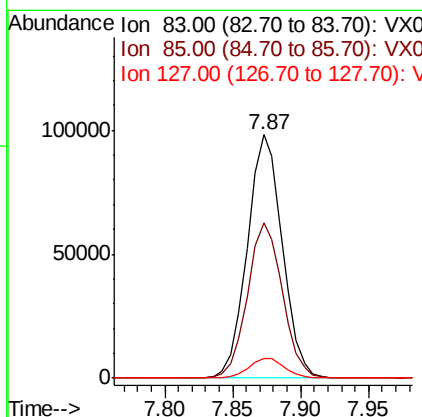
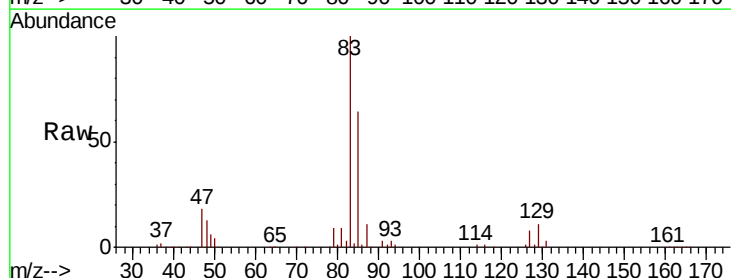
Instrument :
 MSVOA_X
 ClientSampleId :

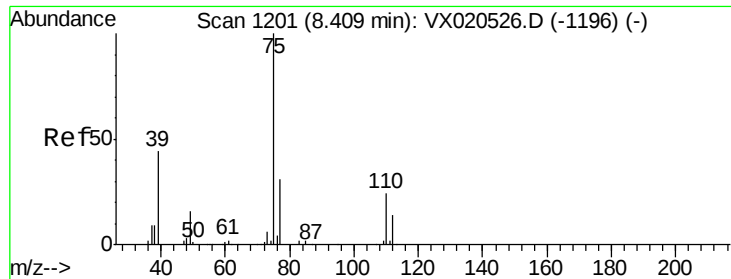
Tot Ion: 63 Resp: 137985
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 48.800 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion: 83 Resp: 177230
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.7
 127 8.2 6.6 10.0



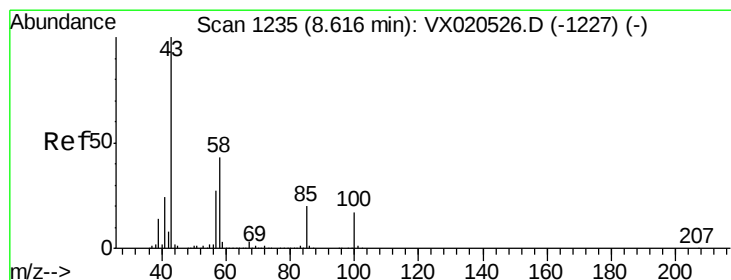
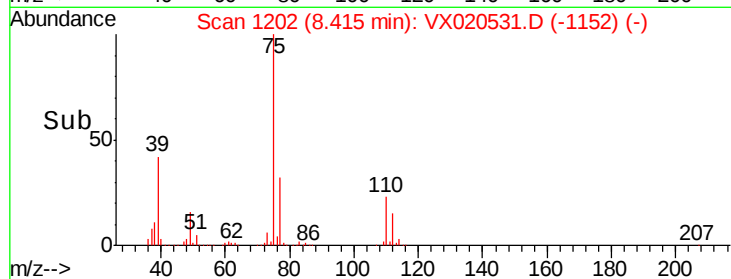
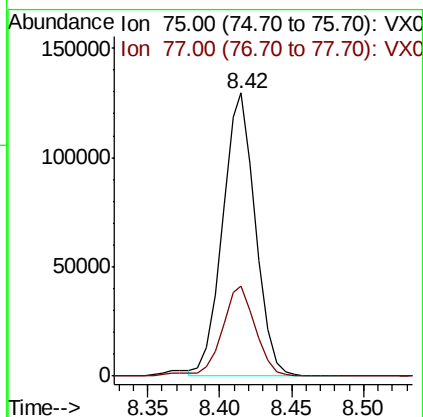
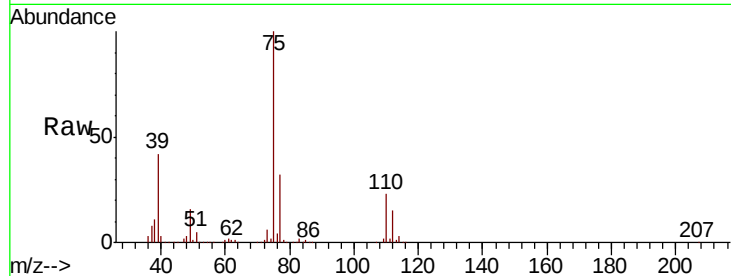


#39

cis-1,3-Dichloropropene
 Concen: 48.370 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Instrument :
 MSVOA_X
 ClientSampled :

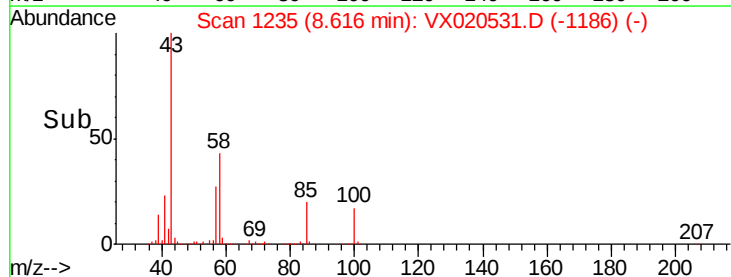
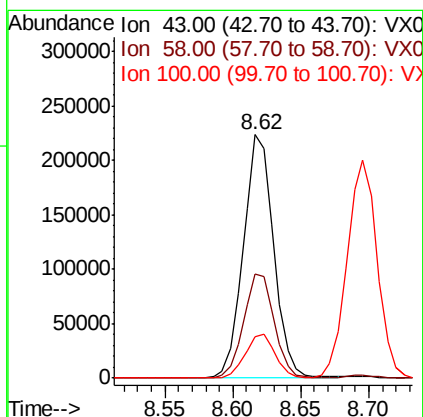
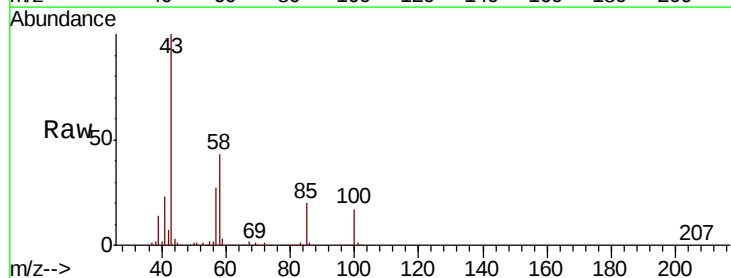
Tot Ion: 75 Resp: 205732
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.3

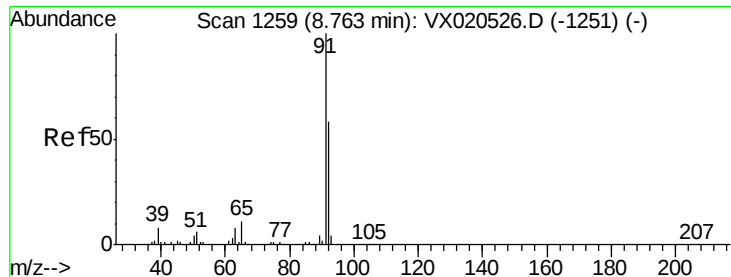


#40

4-Methyl-2-pentanone
 Concen: 93.899 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion: 43 Resp: 348917
 Ion Ratio Lower Upper
 43 100
 58 43.2 35.0 52.4
 100 17.9 14.2 21.4





#42

Toluene

Concen: 48.306 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

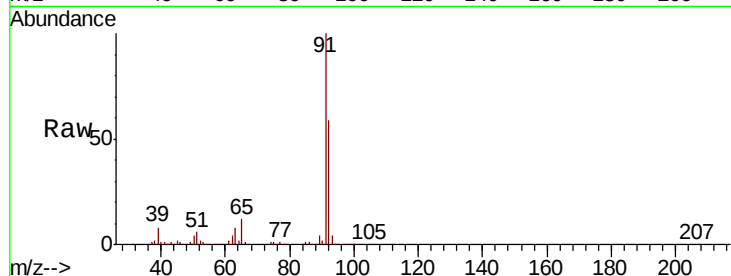
ClientSampleId :

Tot Ion: 91 Resp: 564246

Ion Ratio Lower Upper

91 100

92 58.9 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

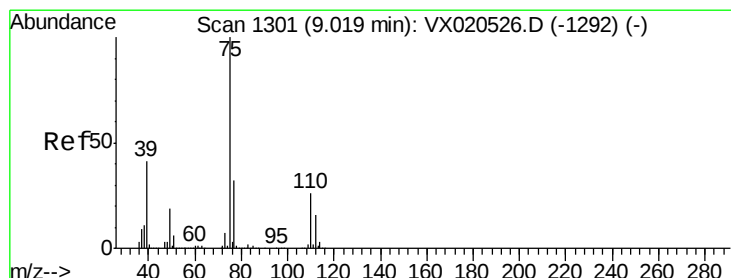
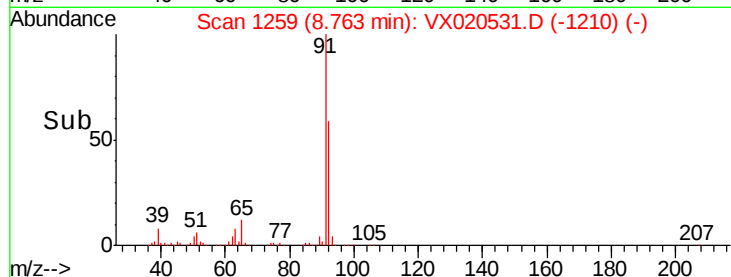
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.417 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020531.D

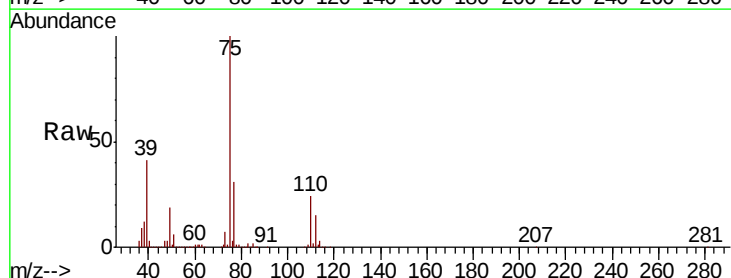
Acq: 07 Jan 2021 18:04

Tgt Ion: 75 Resp: 201044

Ion Ratio Lower Upper

75 100

77 31.4 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

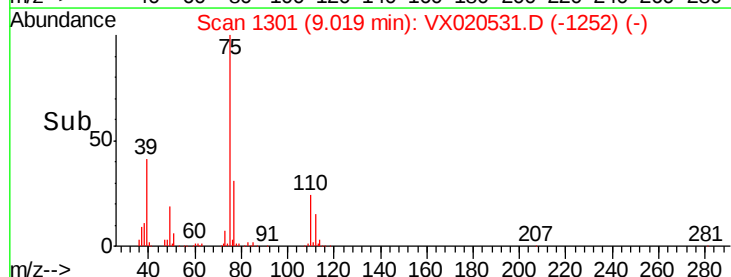
150000

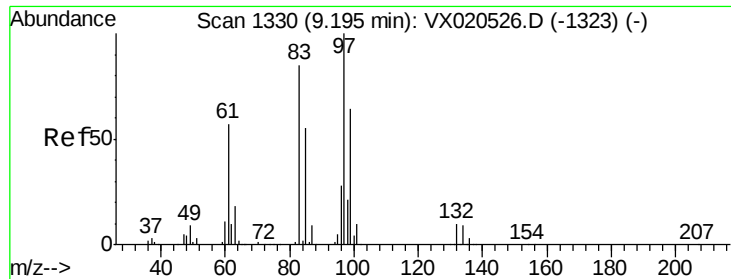
100000

50000

0

Time-->

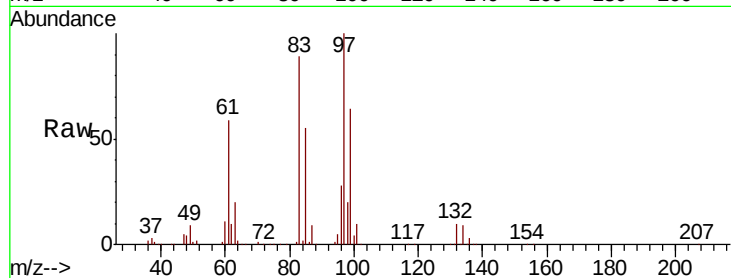




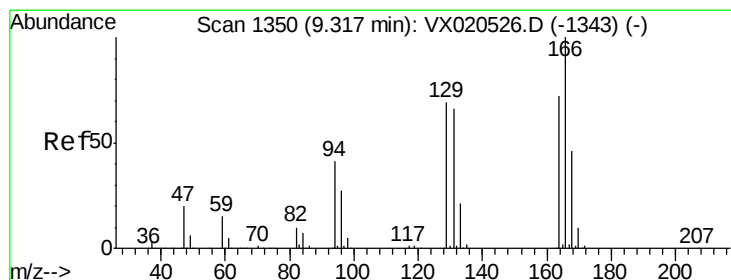
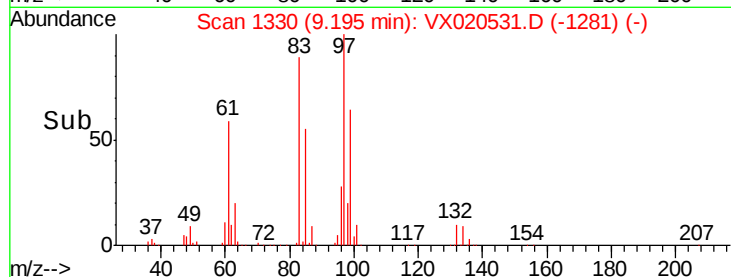
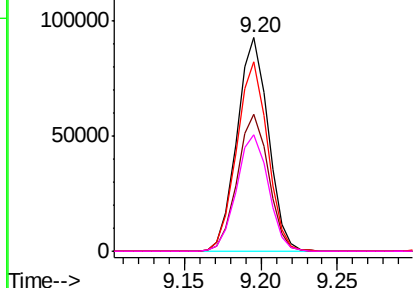
#45
 1,1,2-Trichloroethane
 Concen: 47.177 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	132057
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.0	81.6
83	88.5	60.8	113.0
85	54.5	39.4	73.2

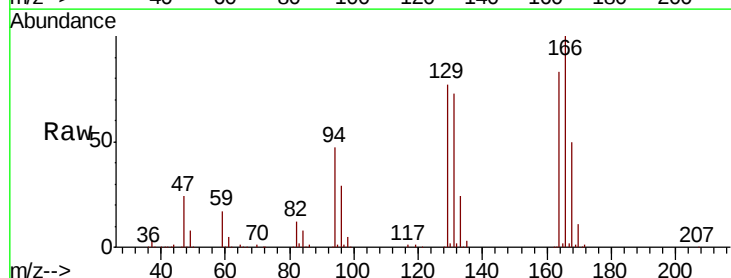


Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 99.00 (98.70 to 99.70): VX0
 Ion 83.00 (82.70 to 83.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0

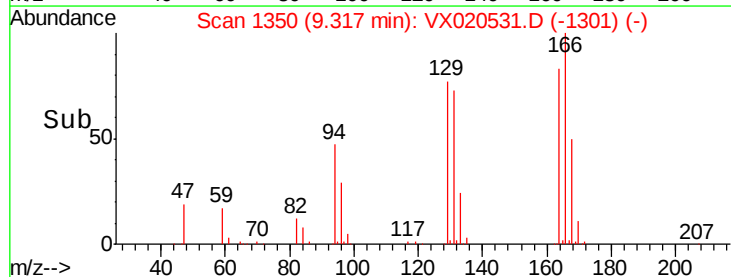
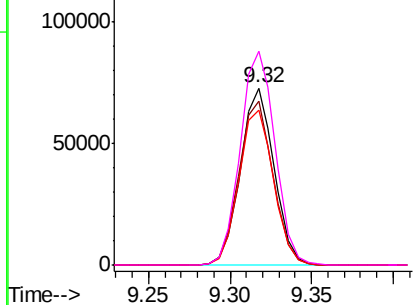


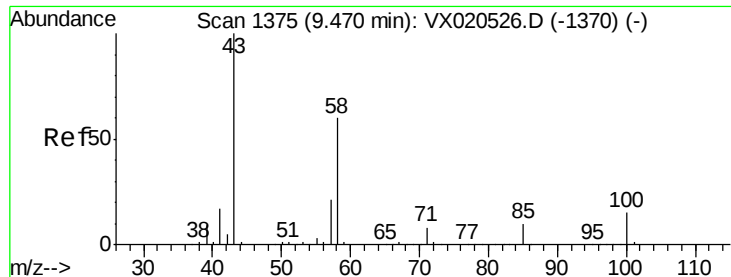
#46
 Tetrachloroethene
 Concen: 47.454 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion:	164	Resp:	104443
Ion	Ratio	Lower	Upper
164	100		
129	92.7	65.6	121.8
131	87.8	63.7	118.3
166	120.8	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

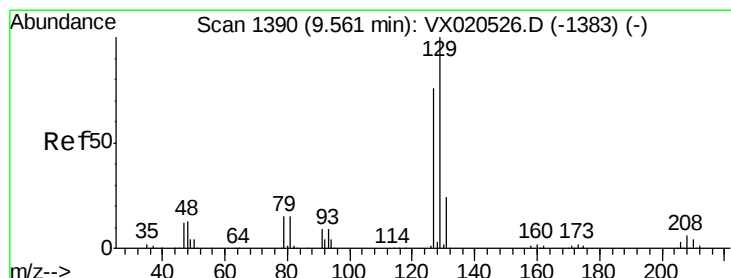
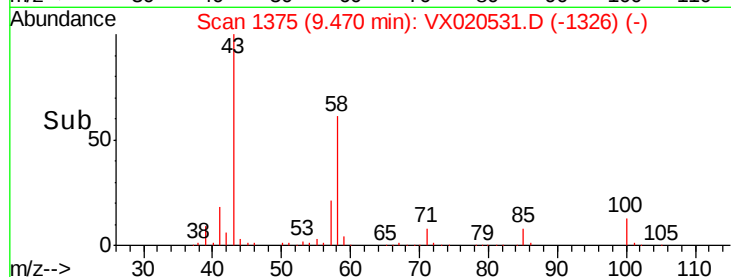
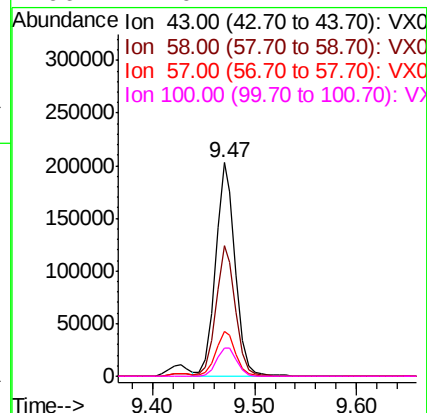
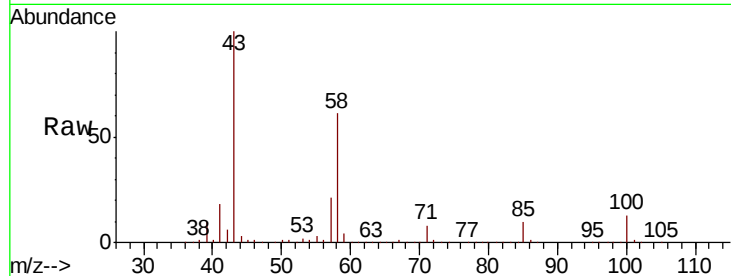




#48
2-Hexanone
Concen: 93.387 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

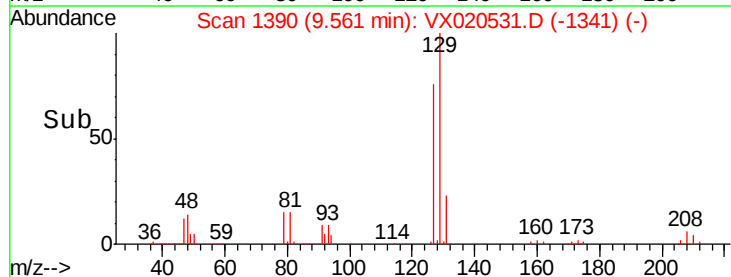
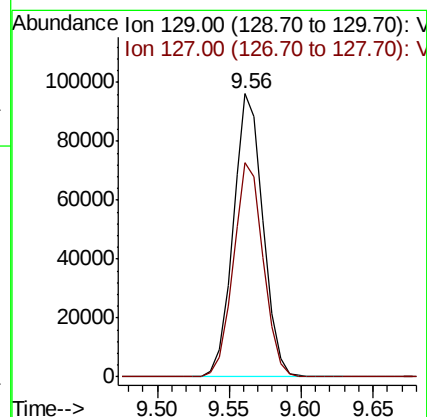
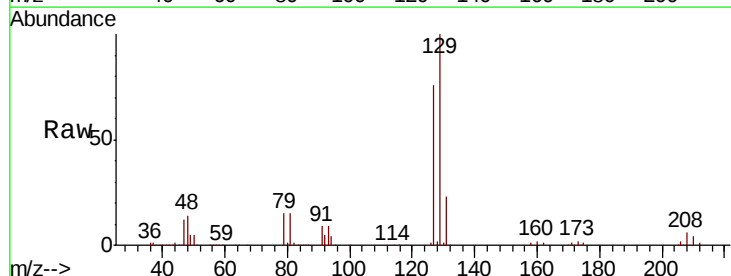
Instrument :
MSVOA_X
ClientSampleId :

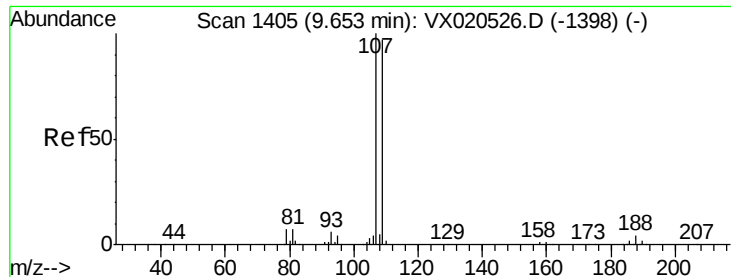
Tot Ion	Ratio	Lower	Upper
43	100		
58	60.2	50.1	75.1
57	20.8	17.3	25.9
100	14.0	11.4	17.2



#49
Dibromochloromethane
Concen: 48.284 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	52.5	97.5

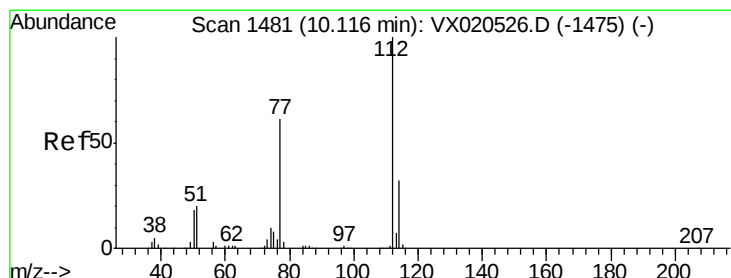
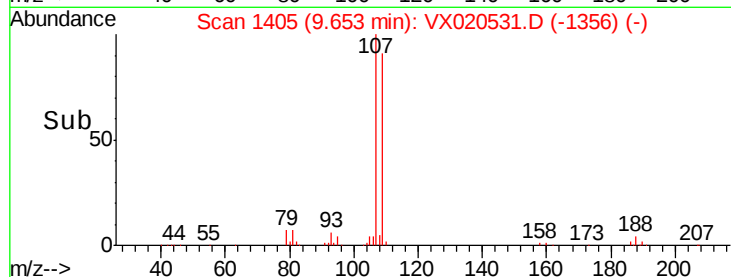
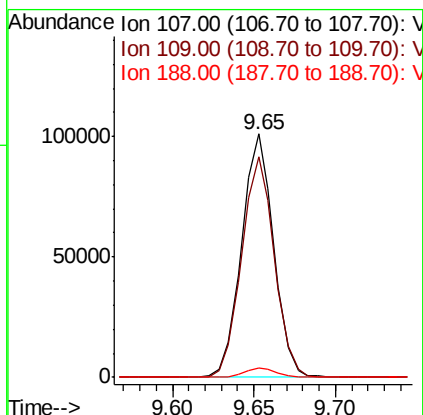
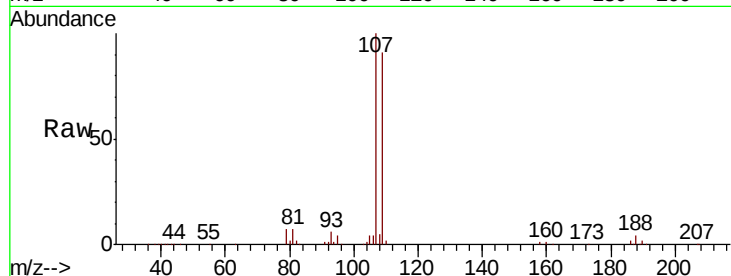




#50
1,2-Dibromoethane
Concen: 47.669 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

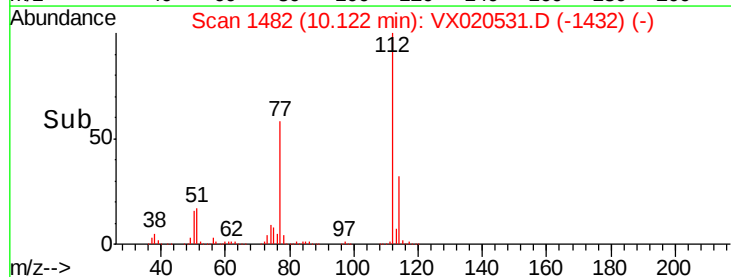
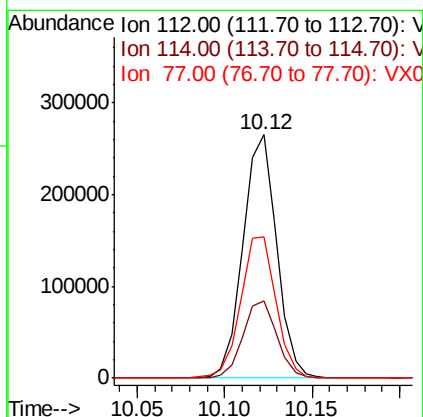
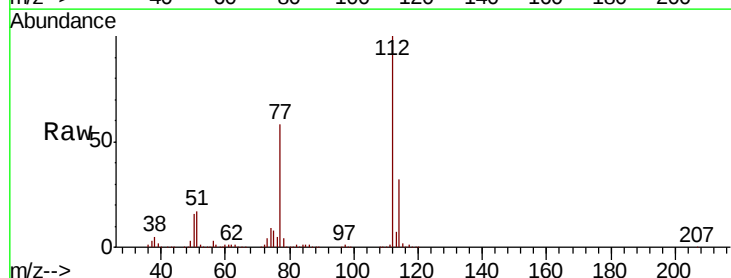
Instrument :
MSVOA_X
ClientSampleId :

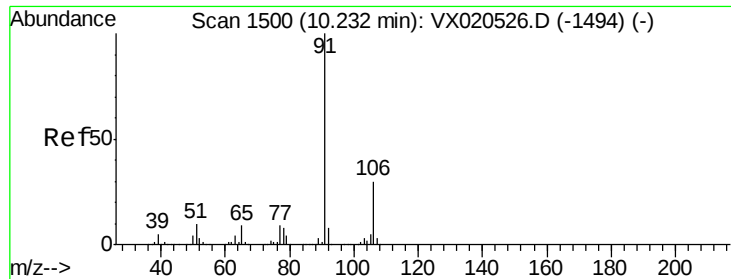
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.7	66.4	123.4
188	3.6	3.2	4.8



#51
Chlorobenzene
Concen: 47.935 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.01 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.2	43.2
77	58.0	48.4	72.6





#52

Ethylbenzene

Concen: 50.560 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

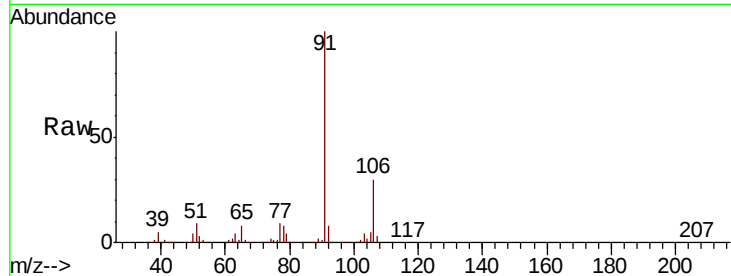
ClientSampled :

Tot Ion: 91 Resp: 631485

Ion Ratio Lower Upper

91 100

106 29.9 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.23

500000

400000

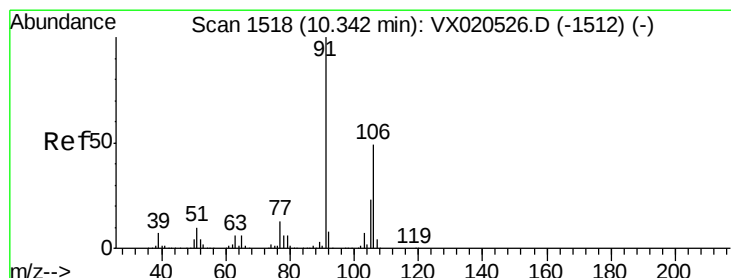
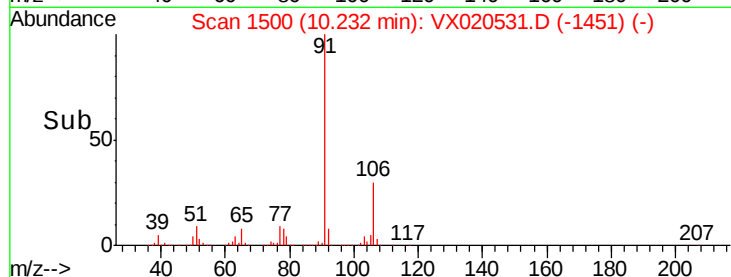
300000

200000

100000

0

Time--> 10.15 10.20 10.25 10.30



#53

m,p-Xylene

Concen: 49.489 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020531.D

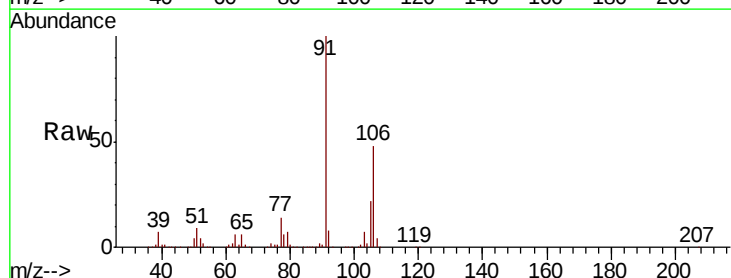
Acq: 07 Jan 2021 18:04

Tgt Ion: 106 Resp: 230936

Ion Ratio Lower Upper

106 100

91 207.3 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.34

400000

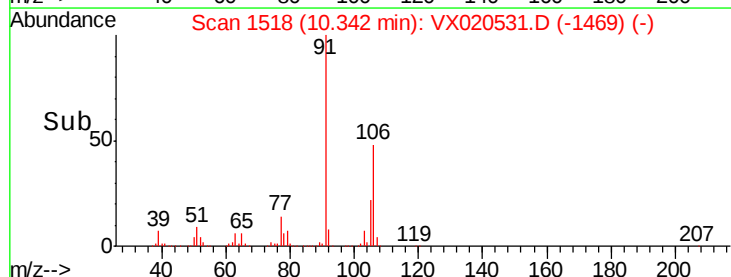
300000

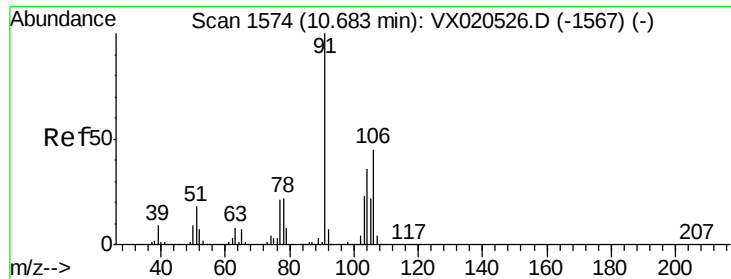
200000

100000

0

Time--> 10.30 10.40

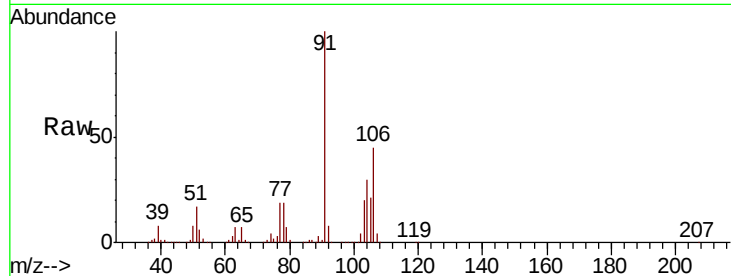




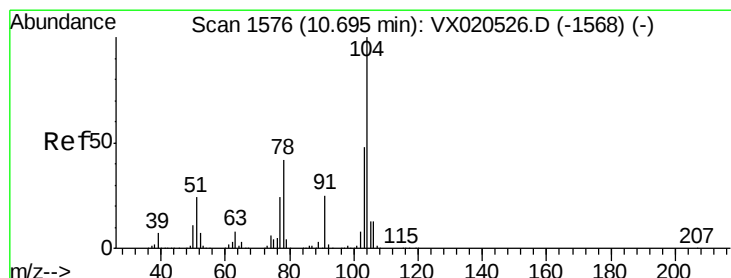
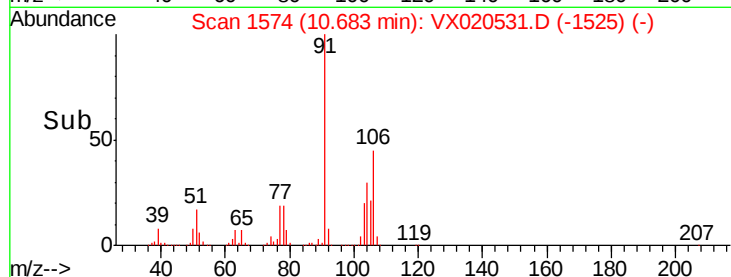
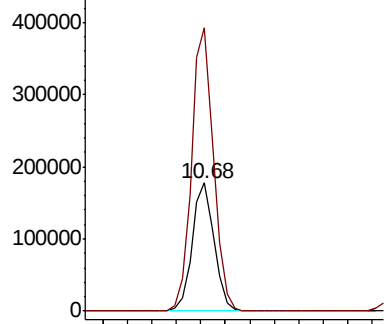
#54
o-Xylene
Concen: 48.630 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 220221
Ion Ratio Lower Upper
106 100
91 220.7 156.2 290.0

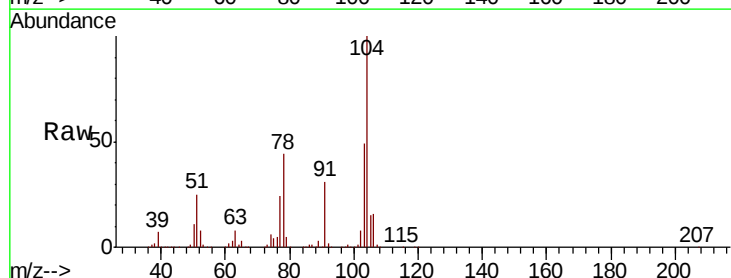


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

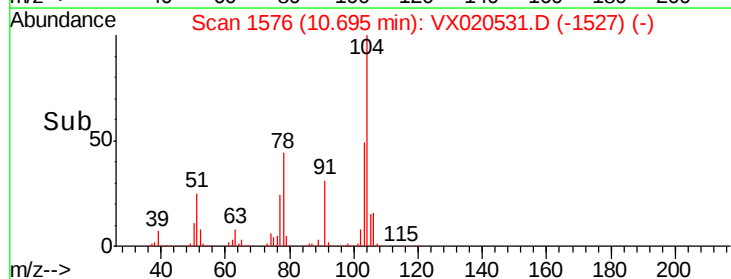
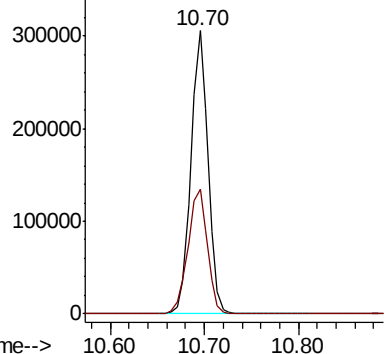


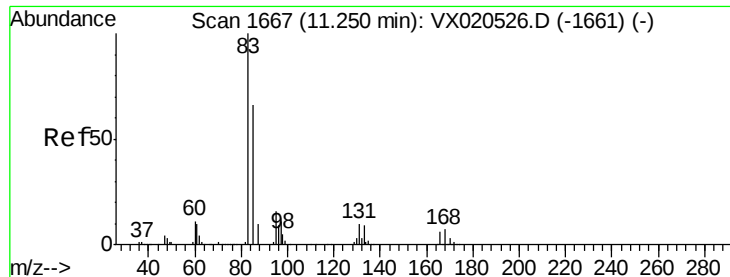
#55
Styrene
Concen: 50.114 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Tgt Ion:104 Resp: 384198
Ion Ratio Lower Upper
104 100
78 43.9 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 47.149 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

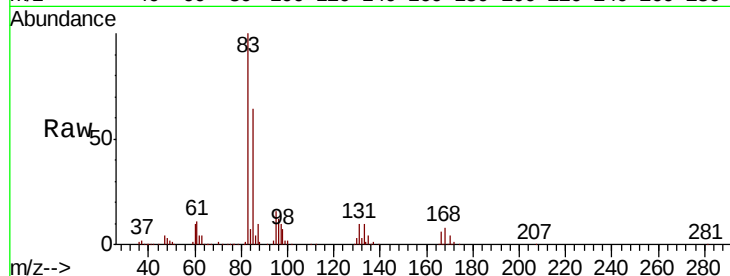
Tot Ion: 83 Resp: 209430

Ion Ratio Lower Upper

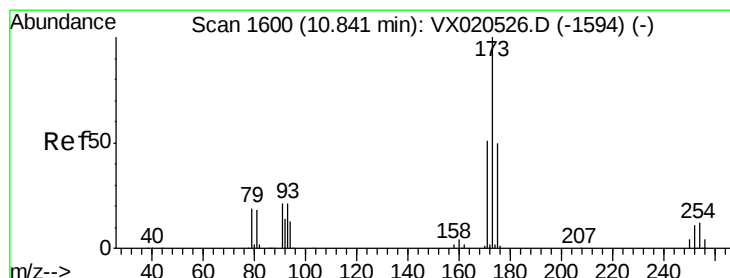
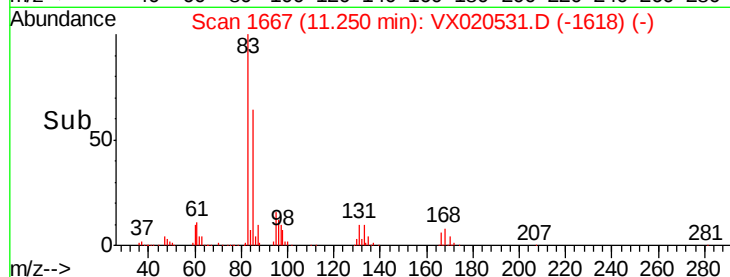
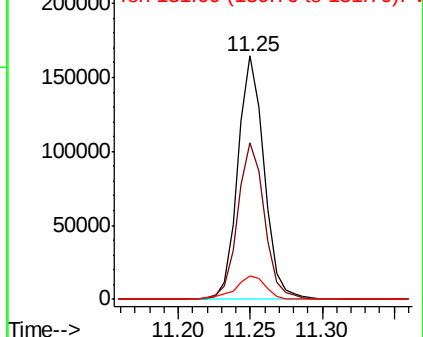
83 100

85 64.2 44.7 82.9

131 9.8 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 49.419 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

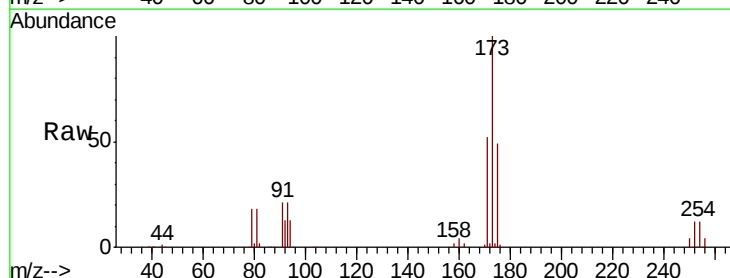
Tgt Ion:173 Resp: 99865

Ion Ratio Lower Upper

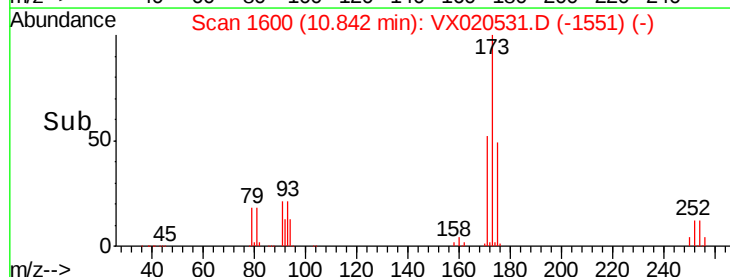
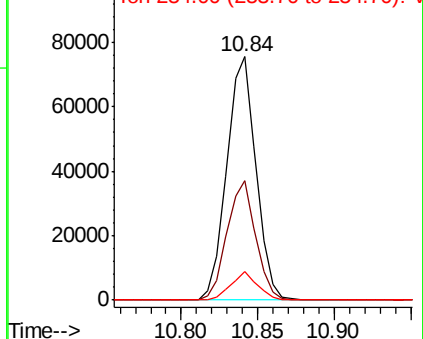
173 100

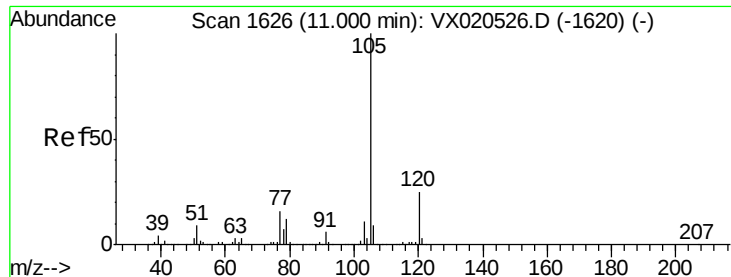
175 48.3 39.4 59.2

254 10.7 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 52.181 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

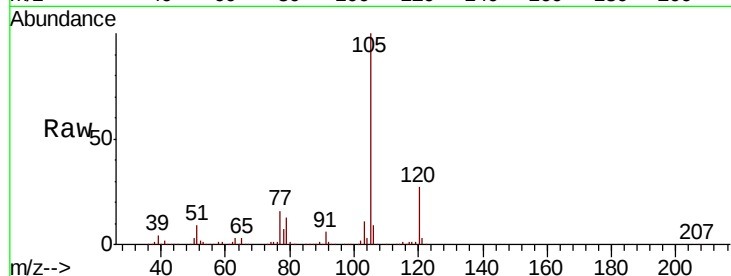
Tot Ion:105 Resp: 595225

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

77 15.9 12.6 18.8

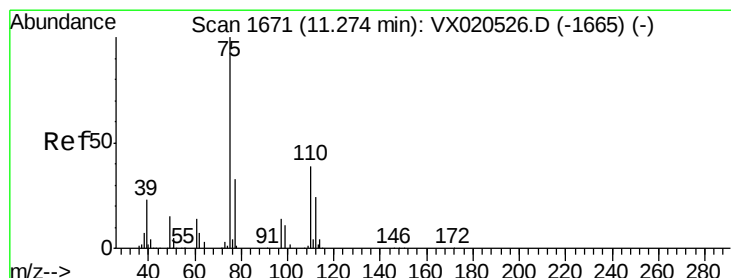
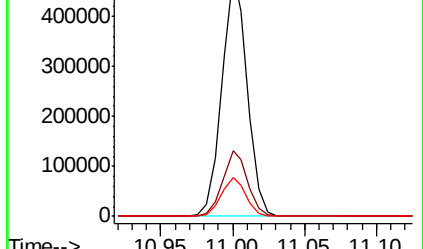
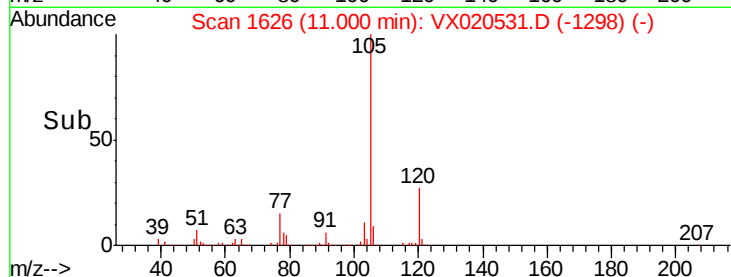


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#61

1,2,3-Trichloropropane

Concen: 49.173 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

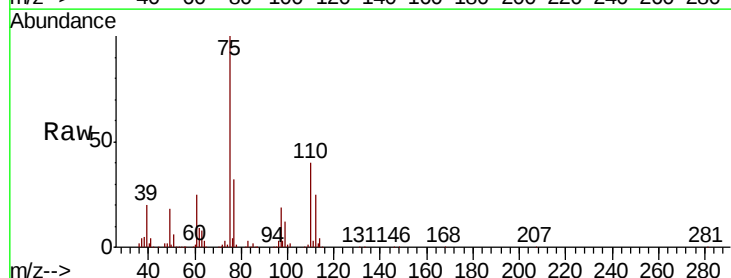
Tgt Ion: 75 Resp: 173535

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

110 39.0 31.8 47.8

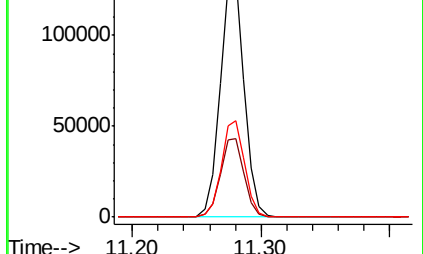
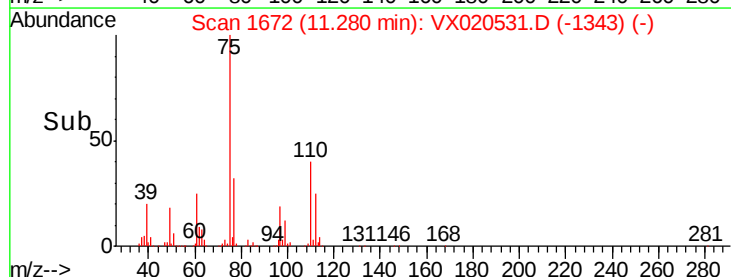


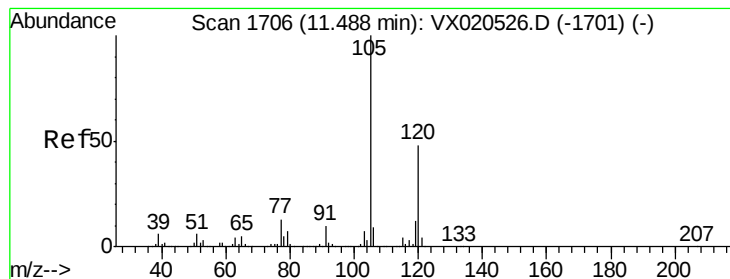
Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

Time-->





#62

1,3,5-Trimethylbenzene

Concen: 51.311 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX020531.D

Acq: 07 Jan 2021 18:04

Instrument :

MSVOA_X

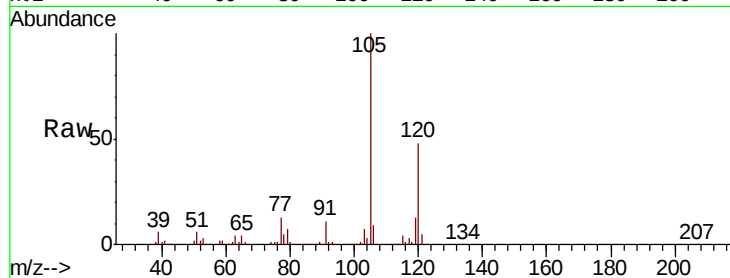
ClientSampled :

Tot Ion:105 Resp: 477345

Ion Ratio Lower Upper

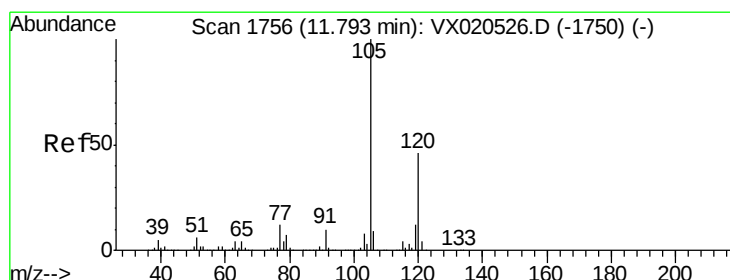
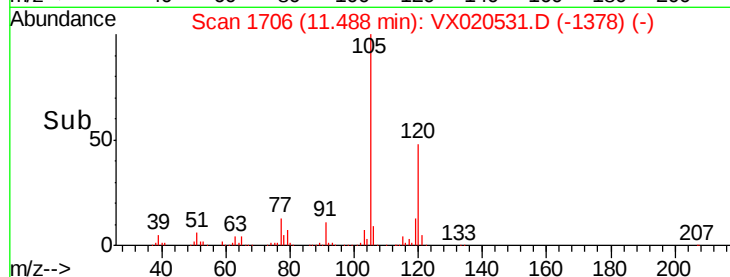
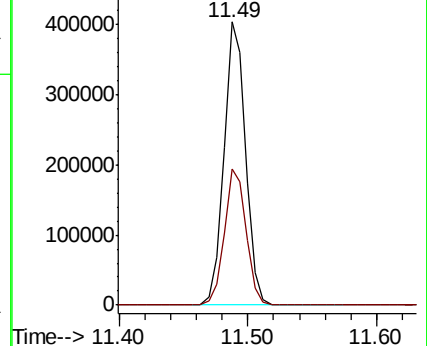
105 100

120 48.2 38.0 57.0



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: 53.535 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX020531.D

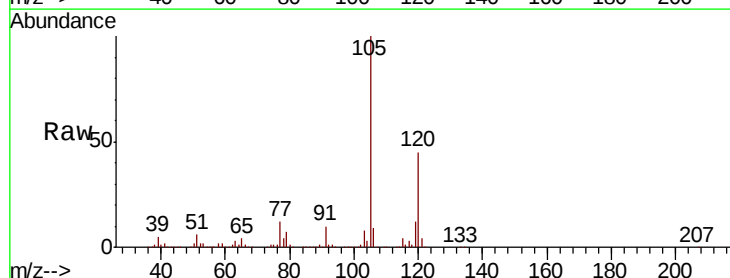
Acq: 07 Jan 2021 18:04

Tgt Ion:105 Resp: 502715

Ion Ratio Lower Upper

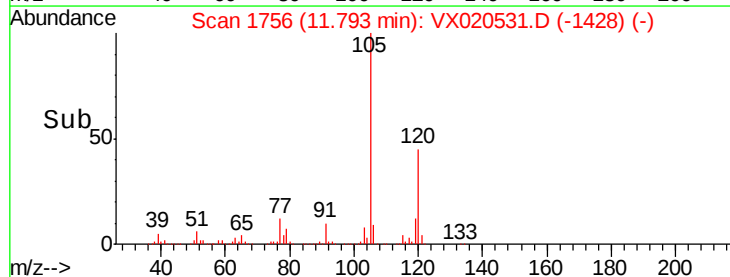
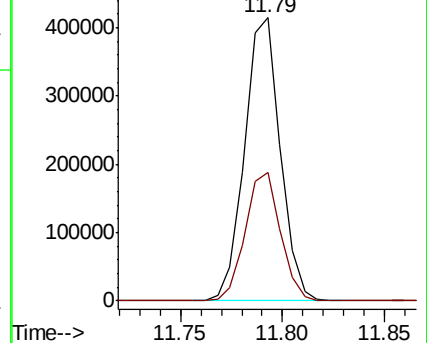
105 100

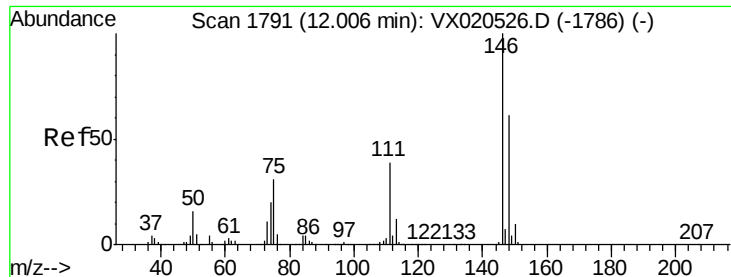
120 45.0 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

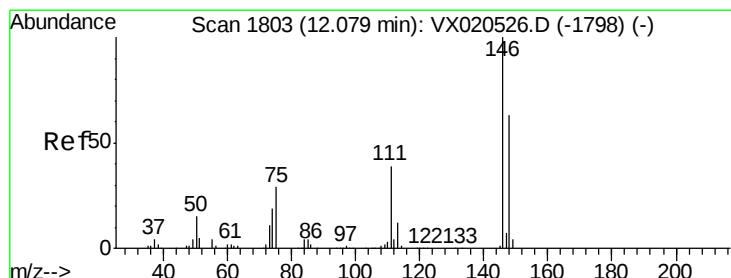
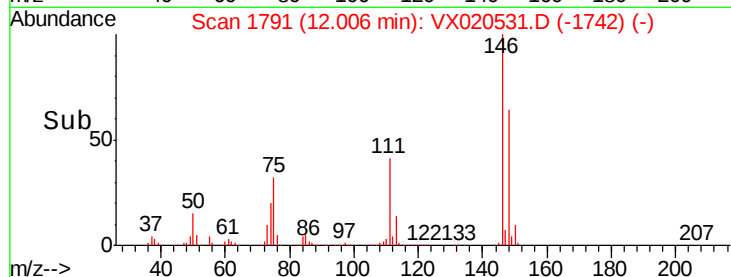
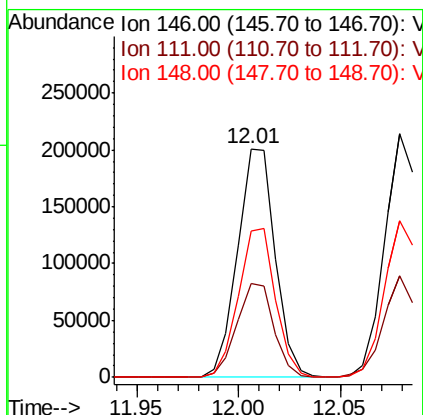
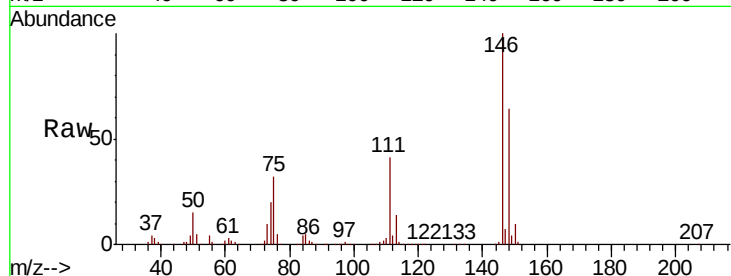




#64
 1,3-Dichlorobenzene
 Concen: 48.431 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

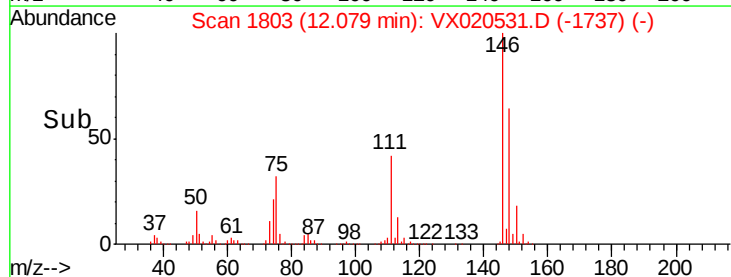
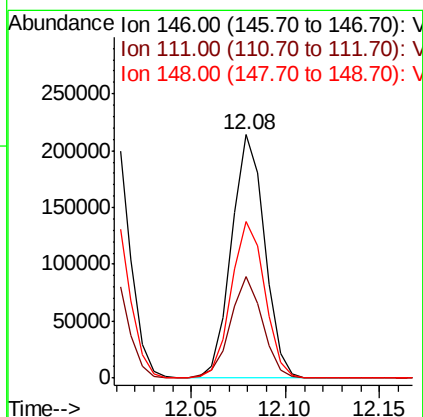
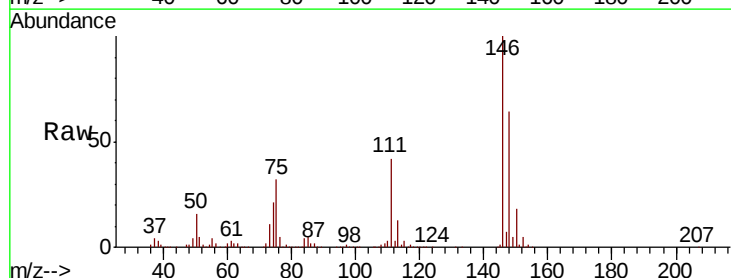
Instrument :
 MSVOA_X
 ClientSampleId :

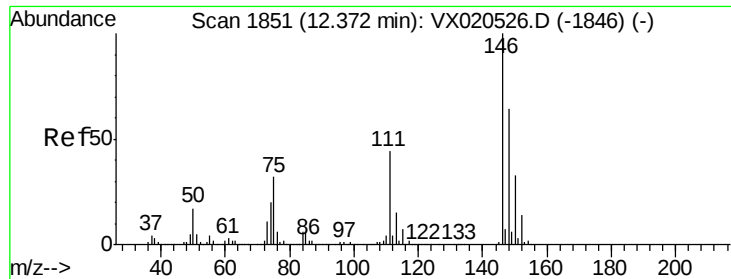
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.9	53.7
148	64.2	47.7	88.7



#65
 1,4-Dichlorobenzene
 Concen: 48.559 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.7	53.3
148	64.5	45.8	85.2

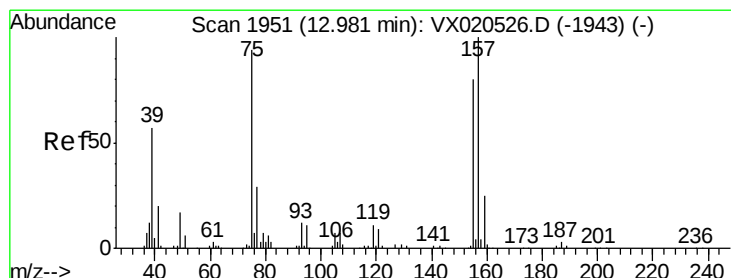
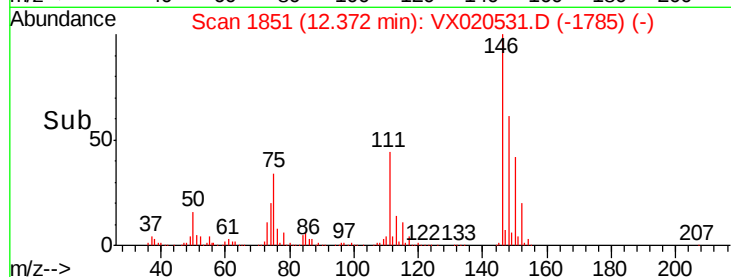
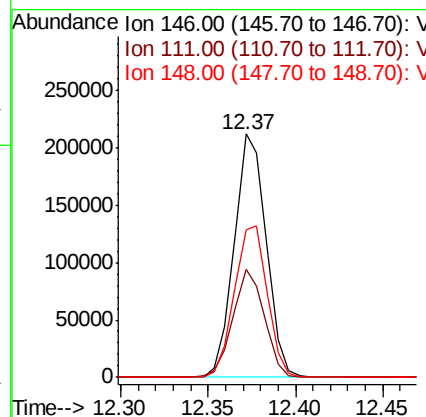
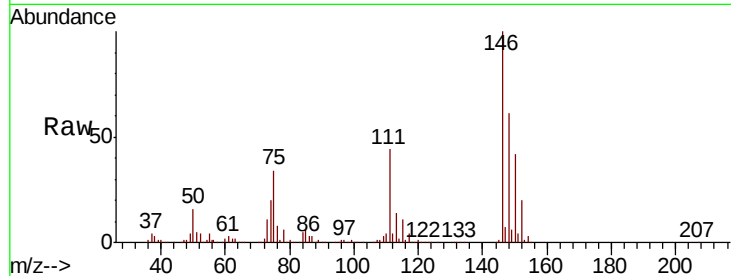




#67
 1,2-Dichlorobenzene
 Concen: 50.823 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

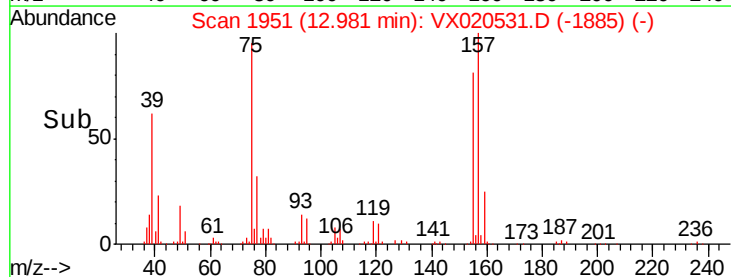
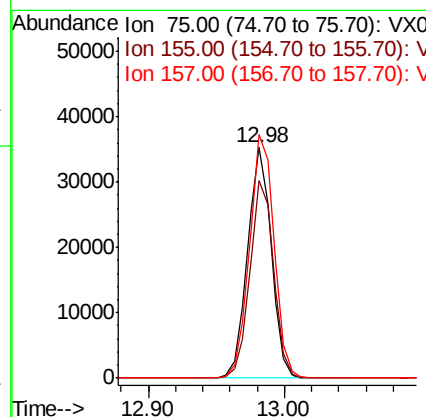
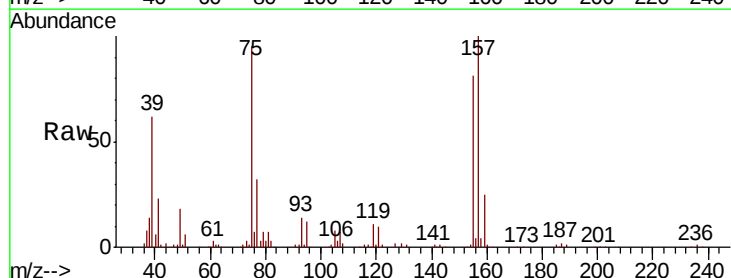
Instrument :
 MSVOA_X
 ClientSampleId :

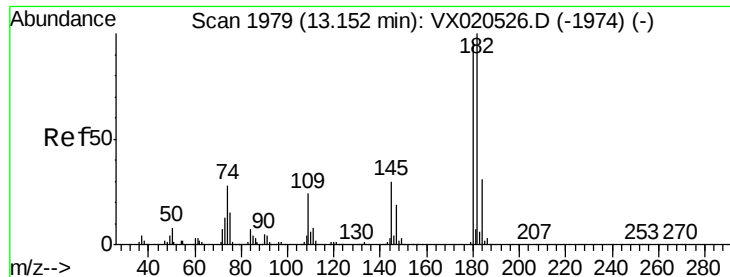
Tot Ion:146 Resp: 269654
 Ion Ratio Lower Upper
 146 100
 111 44.3 33.8 50.8
 148 60.8 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.075 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion: 75 Resp: 42914
 Ion Ratio Lower Upper
 75 100
 155 85.4 65.3 97.9
 157 105.5 80.5 120.7

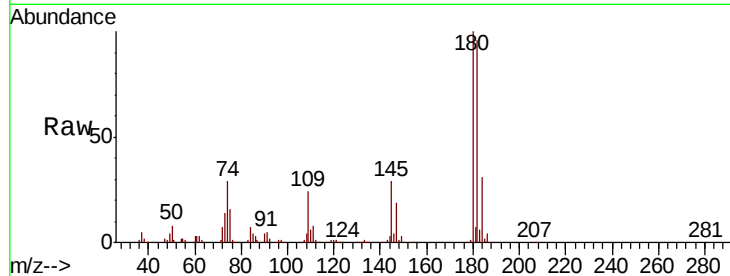




#69
 1,3,5-Trichlorobenzene
 Concen: 49.234 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180	Resp:	179864
Ion Ratio	Lower	Upper
180	100	
182	95.5	74.8 112.2
184	30.4	24.1 36.1
145	29.9	23.7 35.5



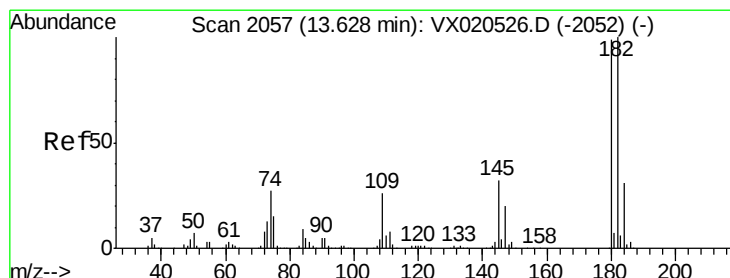
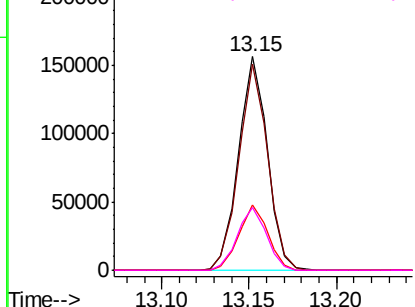
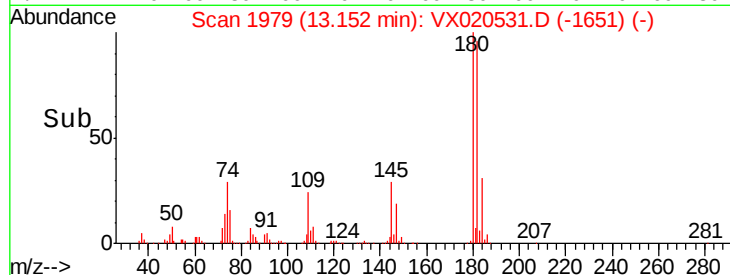
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

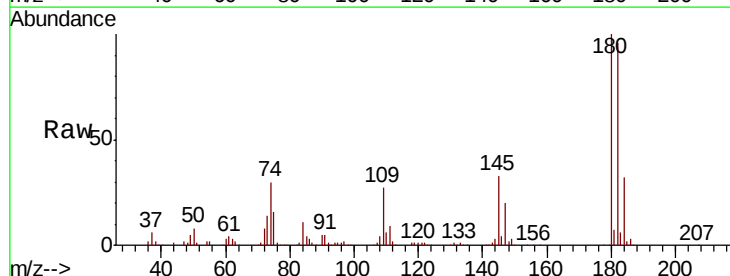
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 49.181 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020531.D
 Acq: 07 Jan 2021 18:04

Tgt Ion:180	Resp:	154698
Ion Ratio	Lower	Upper
180	100	
182	93.6	74.3 111.5
145	30.9	24.1 36.1

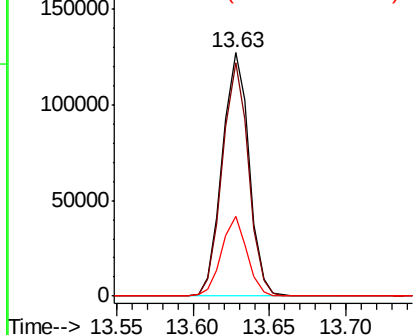
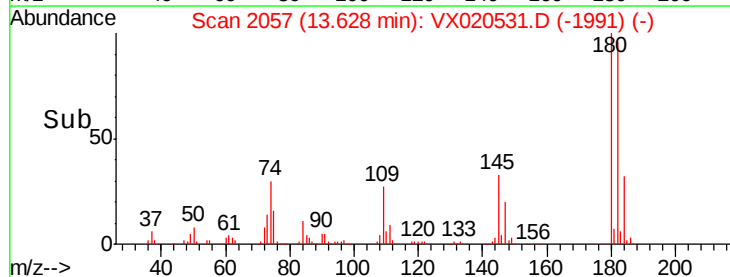


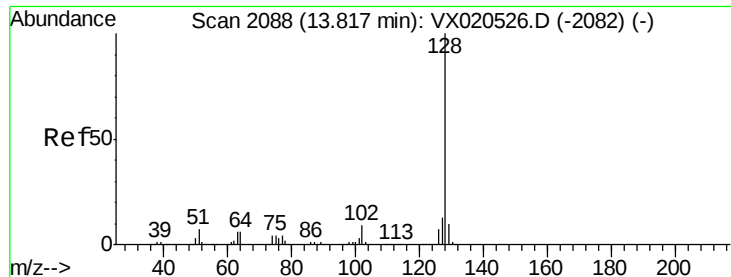
Abundance

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

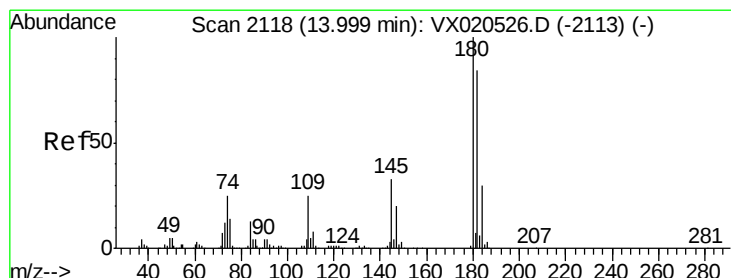
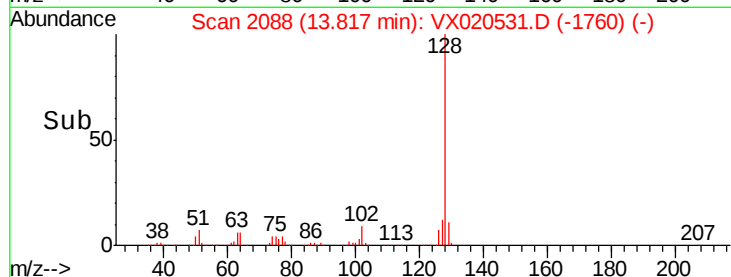
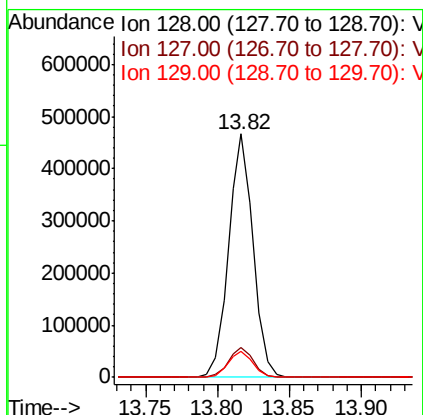
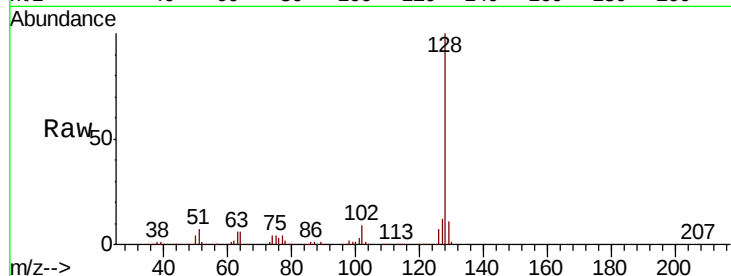




#71
Naphthalene
Concen: 53.406 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 554955
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.371 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020531.D
Acq: 07 Jan 2021 18:04

Tgt Ion:180 Resp: 166240
Ion Ratio Lower Upper
180 100
182 95.4 74.6 112.0
145 32.1 25.6 38.4

