

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\
 Data File : VX017450.D
 Acq On : 21 Jul 2020 12:03
 Operator : JC/SP
 Sample : VSTD00563
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00563

Quant Time: Jul 22 05:36:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 05:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	356364	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	358533	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	181137	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	142706	6.69	ug/L	0.00
7) Chloroethane-d5	1.69	69	98843	5.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	285381	6.37	ug/L	0.00
20) 2-Butanone-d5	4.54	46	309603	55.21	ug/L	0.00
24) Chloroform-d	5.14	84	251302	5.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	136129	5.47	ug/L	0.00
32) Benzene-d6	6.05	84	463970	5.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	126104	4.89	ug/L	0.00
41) Toluene-d8	8.70	98	439933	5.38	ug/L	0.00
45) trans-1,3-Dichloropropene-	8.99	79	59755	5.70	ug/L	0.00
48) 2-Hexanone-d5	9.43	63	215056	48.67	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	11.23	84	105312	5.60	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	12.36	152	157975	5.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	208147	6.932	ug/L 100
3) Chloromethane	1.31	50	183022	6.213	ug/L 100
5) Vinyl chloride	1.39	62	183909	6.455	ug/L 100
6) Bromomethane	1.64	94	90948	5.793	ug/L 100
8) Chloroethane	1.71	64	97904	5.021	ug/L 100
9) Trichlorofluoromethane	1.92	101	271883	6.840	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	149271	6.675	ug/L 100
12) 1,1-Dichloroethene	2.36	96	134097	6.385	ug/L 100
13) Acetone	2.42	43	233682	60.992	ug/L 100
14) Carbon disulfide	2.55	76	456071	6.517	ug/L 100
15) Methyl Acetate	2.75	43	61254	6.731	ug/L 100
16) Methylene chloride	2.83	84	149243	5.982	ug/L 100
17) Methyl tert-butyl Ether	3.17	73	328345	6.098	ug/L 100
18) trans-1,2-Dichloroethene	3.14	96	140630	6.150	ug/L 100
19) 1,1-Dichloroethane	3.67	63	250285	5.779	ug/L 100
21) 2-Butanone	4.64	43	390027	65.242	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	150663	6.232	ug/L 100
23) Bromochloromethane	4.98	128	68989	6.614	ug/L 100
25) Chloroform	5.18	83	264286	5.603	ug/L 100
27) 1,2-Dichloroethane	6.17	62	174555	5.882	ug/L 100
29) 1,1,1-Trichloroethane	5.46	97	250698	6.038	ug/L 100
30) Cyclohexane	5.55	56	221563	5.473	ug/L 100
31) Carbon tetrachloride	5.75	117	226006	6.226	ug/L 100
33) Benzene	6.11	78	558223	5.938	ug/L 100
34) Trichloroethene	7.18	95	143201	5.445	ug/L 100
35) Methylcyclohexane	7.44	83	211112	5.357	ug/L 100
37) 1,2-Dichloropropane	7.49	63	145776	6.009	ug/L 100
38) Bromodichloromethane	7.87	83	177028	5.861	ug/L 100
39) cis-1,3-Dichloropropene	8.42	75	200079	5.937	ug/L 100
40) 4-Methyl-2-pentanone	8.62	43	877150	59.188	ug/L # 96

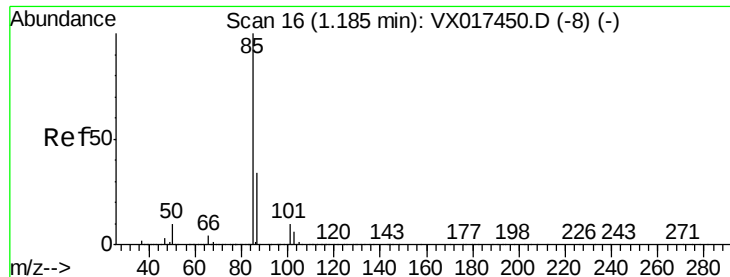
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\
 Data File : VX017450.D
 Acq On : 21 Jul 2020 12:03
 Operator : JC/SP
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Quant Time: Jul 22 05:36:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 05:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	563951	5.741	ug/L	100
43) 1,3,5-Trimethylbenzene	11.49	105	522042	5.785	ug/L	100
44) 1,2,4-Trimethylbenzene	11.79	105	501282	5.625	ug/L	100
46) trans-1,3-Dichloropropene	9.02	75	171893	6.021	ug/L	100
47) 1,1,2-Trichloroethane	9.20	97	92162	5.771	ug/L	100
49) Tetrachloroethene	9.32	164	115579	6.101	ug/L	100
50) 2-Hexanone	9.47	43	632389	60.614	ug/L #	88
51) Dibromochloromethane	9.57	129	122865	6.625	ug/L	100
52) 1,2-Dibromoethane	9.65	107	88885	6.018	ug/L	100
53) Chlorobenzene	10.12	112	373385	5.838	ug/L	100
54) Ethylbenzene	10.24	91	630036	5.651	ug/L	100
55) m,p-xylene	10.34	106	250862	6.000	ug/L	100
56) o-xylene	10.68	106	232425	5.829	ug/L	100
57) Styrene	10.70	104	406741	6.084	ug/L	100
58) Isopropylbenzene	11.00	105	623139	5.737	ug/L	100
60) 1,1,2,2-Tetrachloroethane	11.25	83	120208	6.748	ug/L	100
62) Bromoform	10.84	173	78370	7.975	ug/L	100
63) 1,3-Dichlorobenzene	12.01	146	301447	5.936	ug/L	100
64) 1,4-Dichlorobenzene	12.08	146	294986	5.779	ug/L	100
66) 1,2-Dichlorobenzene	12.38	146	272483	5.916	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.98	75	22771	7.091	ug/L	100
68) 1,3,5-Trichlorobenzene	13.15	180	258487	6.662	ug/L	100
69) 1,2,4-trichlorobenzene	13.63	180	190046	5.918	ug/L	100
70) Naphthalene	13.82	128	352394	6.662	ug/L	100
71) 1,2,3-Trichlorobenzene	14.01	180	182157	6.325	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.932 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampled :

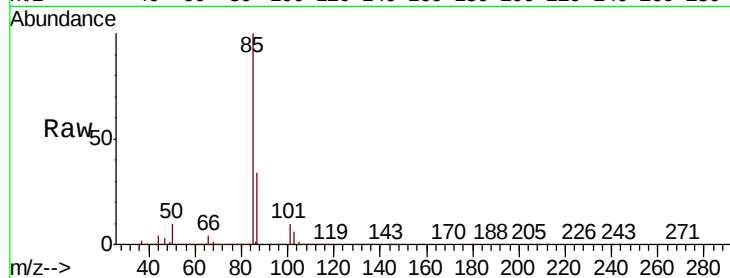
VSTD00563

Tot Ion: 85 Resp: 208147

Ion Ratio Lower Upper

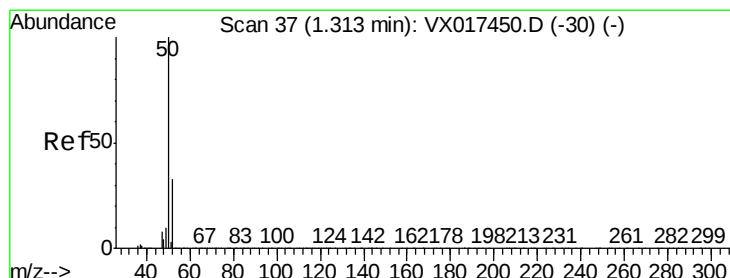
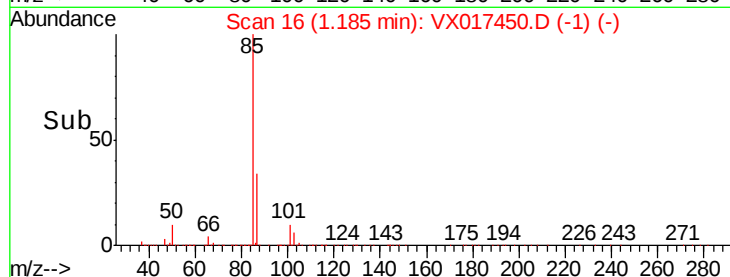
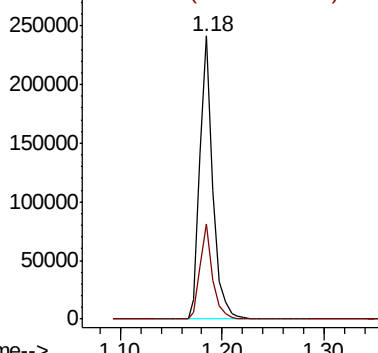
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 6.213 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017450.D

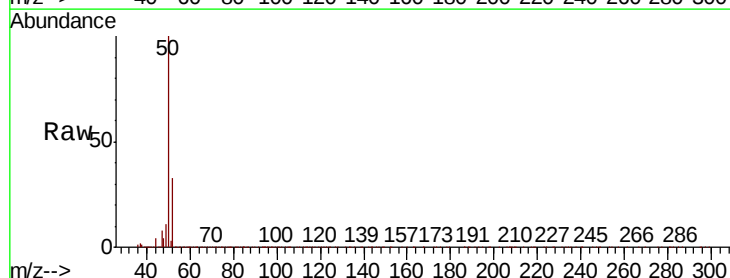
Acq: 21 Jul 2020 12:03

Tgt Ion: 50 Resp: 183022

Ion Ratio Lower Upper

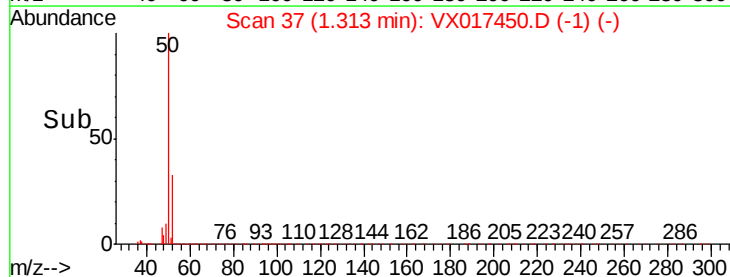
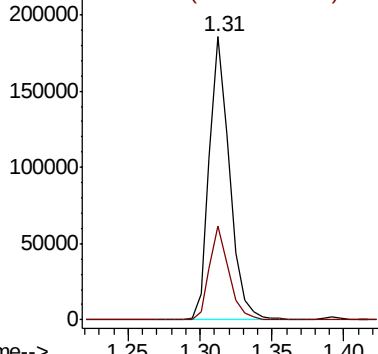
50 100

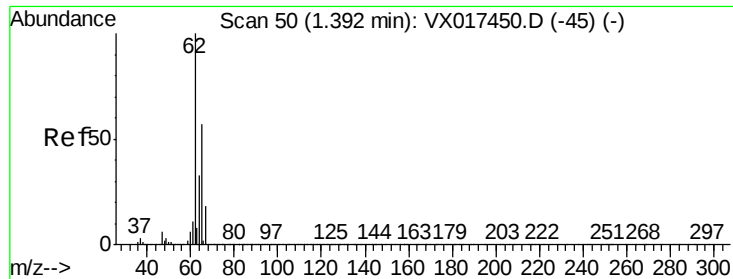
52 33.2 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 6.455 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

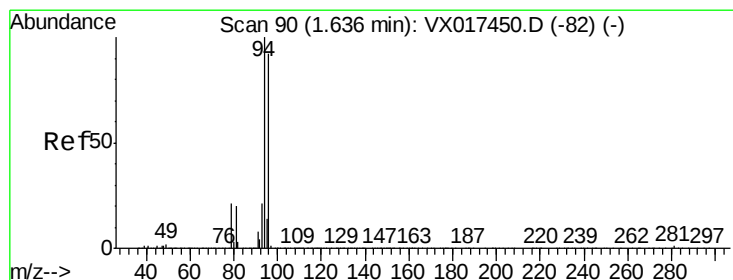
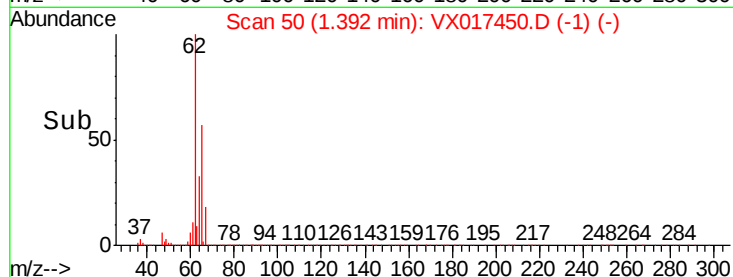
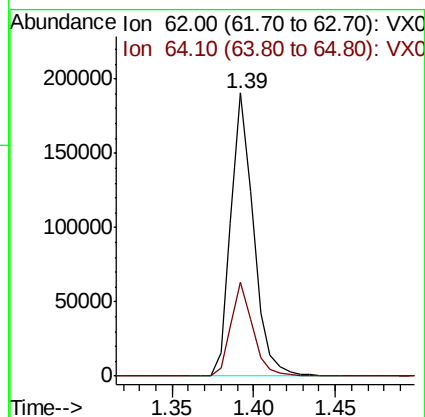
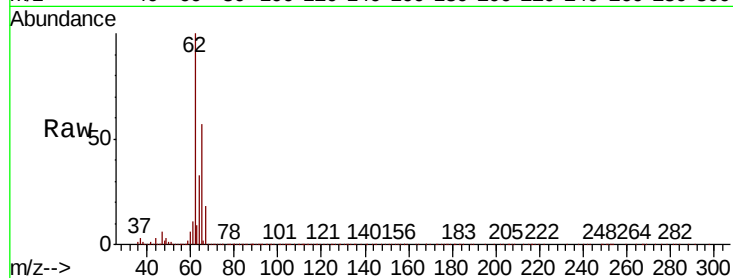
VSTD00563

Tot Ion: 62 Resp: 183909

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



#6

Bromomethane

Concen: 5.793 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX017450.D

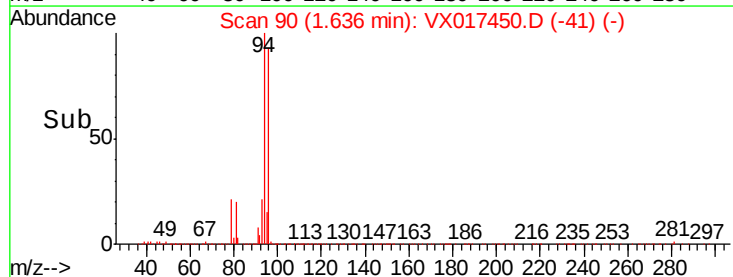
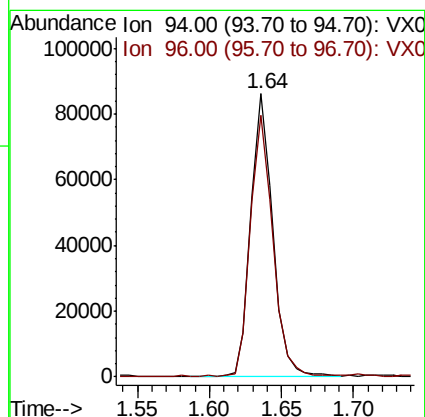
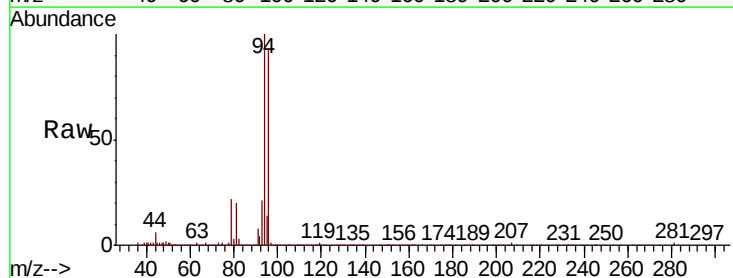
Acq: 21 Jul 2020 12:03

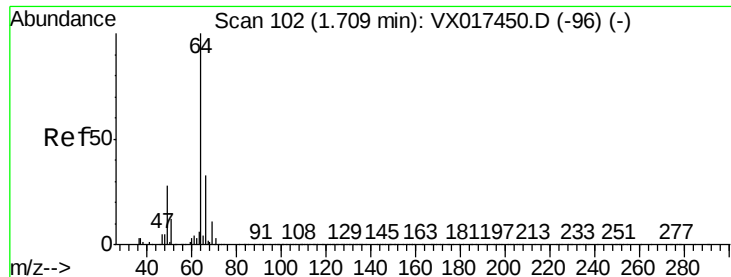
Tgt Ion: 94 Resp: 90948

Ion Ratio Lower Upper

94 100

96 92.6 64.8 120.4





#8

Chloroethane

Concen: 5.021 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

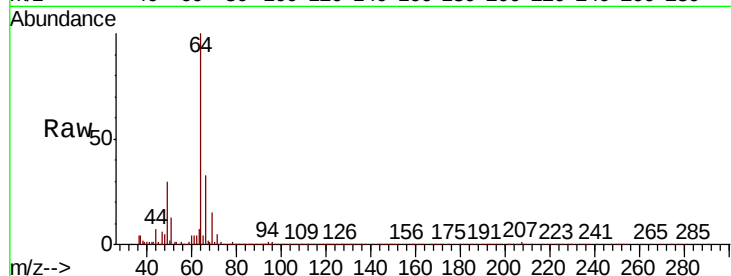
VSTD00563

Tot Ion: 64 Resp: 97904

Ion Ratio Lower Upper

64 100

66 33.0 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

1.71

80000

60000

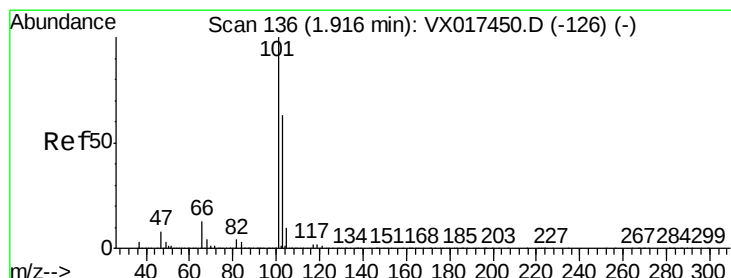
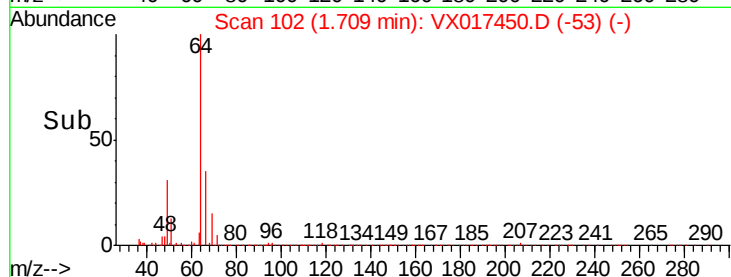
40000

20000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 6.840 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX017450.D

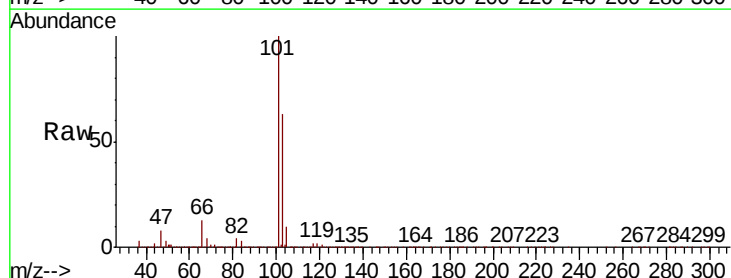
Acq: 21 Jul 2020 12:03

Tgt Ion: 101 Resp: 271883

Ion Ratio Lower Upper

101 100

103 64.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.92

200000

150000

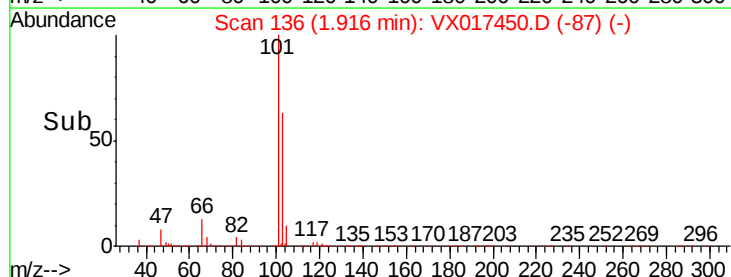
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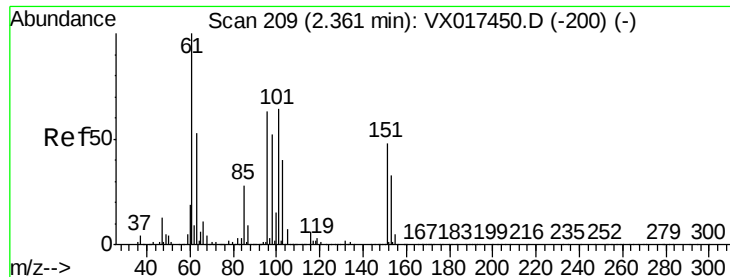
50000

0

1.80 1.90 2.00

Time-->





#10

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

Concen: 6.675 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTD00563

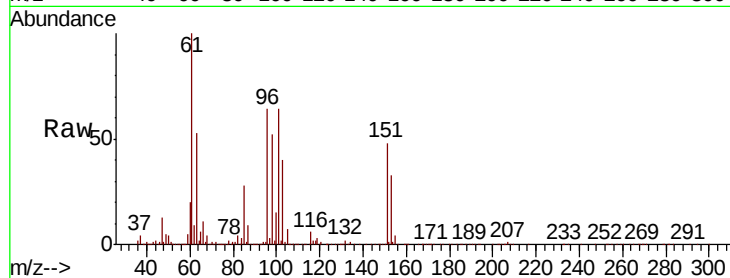
Tot Ion:101 Resp: 149271

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

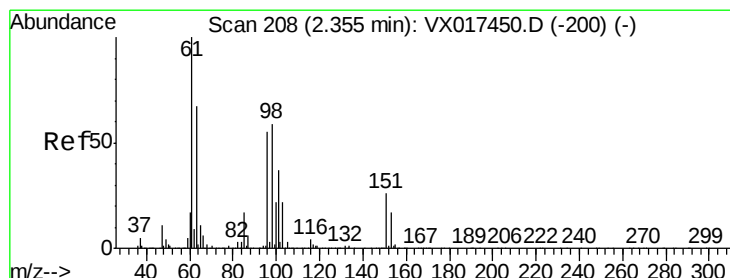
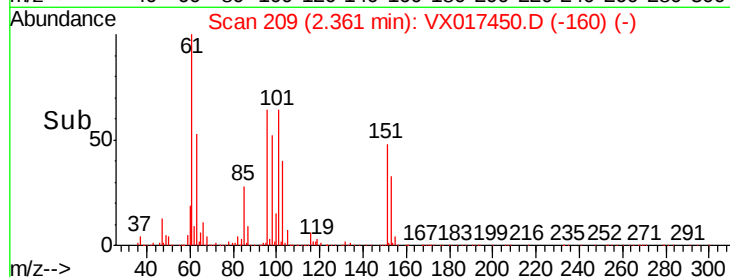
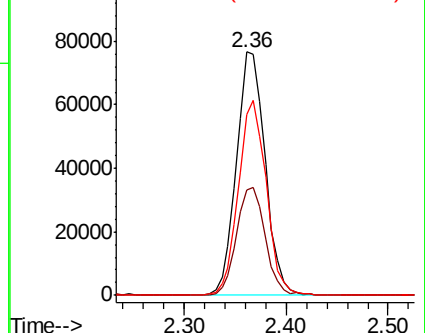
151 77.9 62.3 93.5



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: 6.385 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

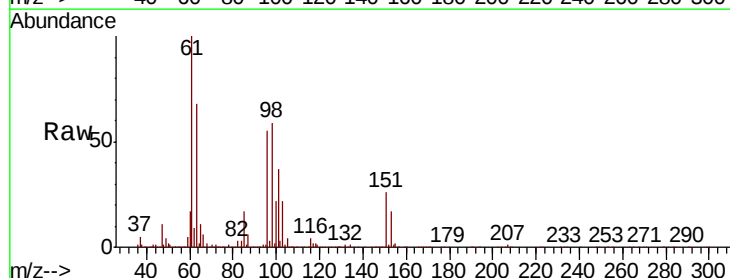
Tgt Ion: 96 Resp: 134097

Ion Ratio Lower Upper

96 100

61 180.7 126.5 234.9

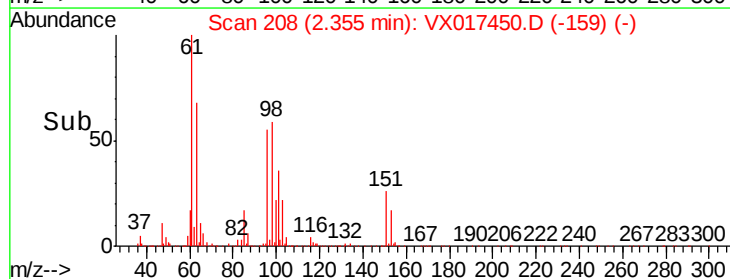
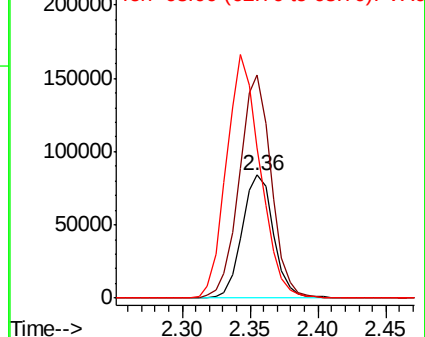
63 122.3 85.6 159.0

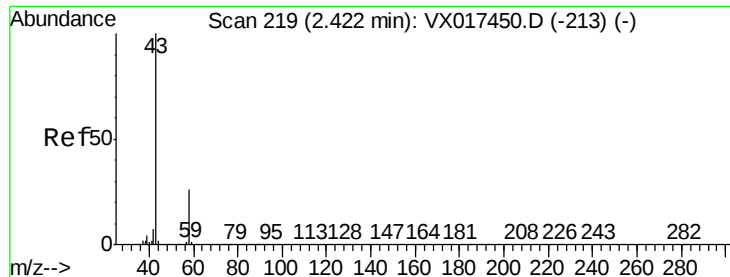


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 60.992 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampled :

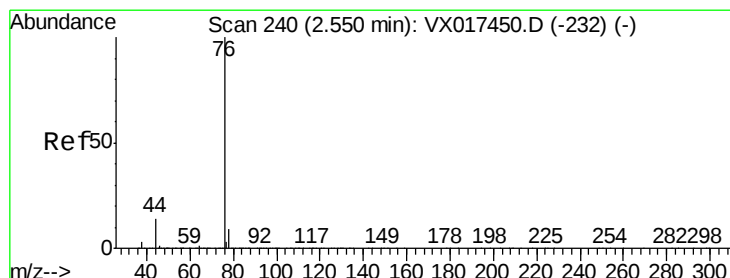
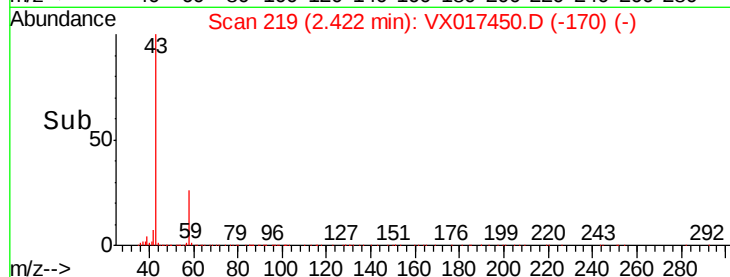
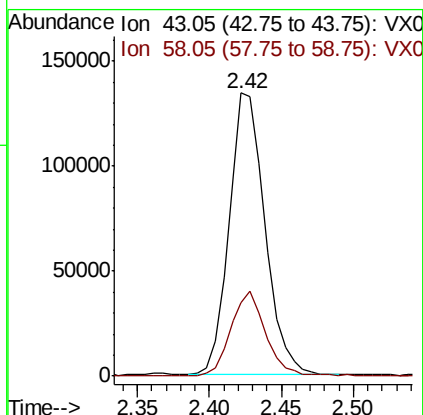
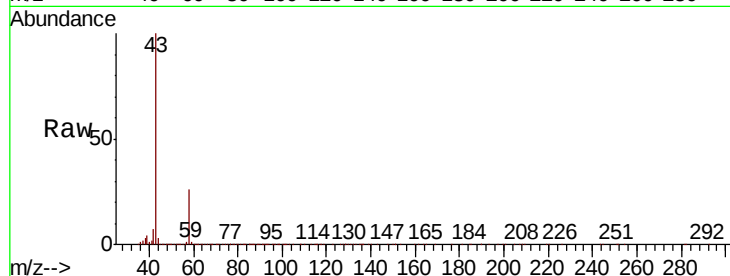
VSTD00563

Tot Ion: 43 Resp: 233682

Ion Ratio Lower Upper

43 100

58 29.3 0.0 58.6



#14

Carbon disulfide

Concen: 6.517 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017450.D

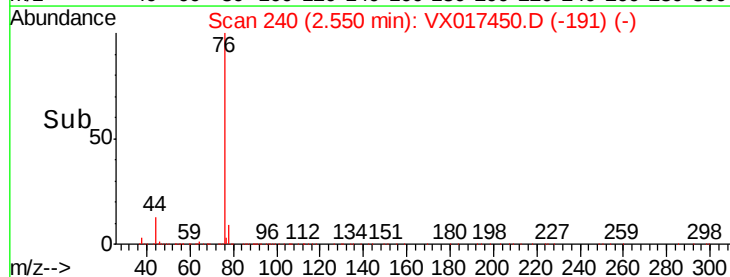
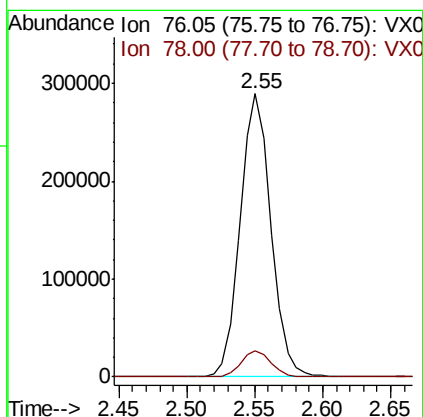
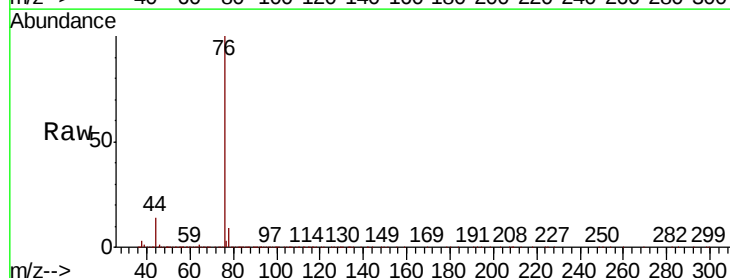
Acq: 21 Jul 2020 12:03

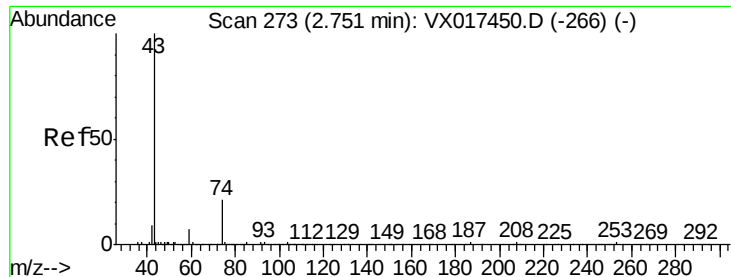
Tgt Ion: 76 Resp: 456071

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

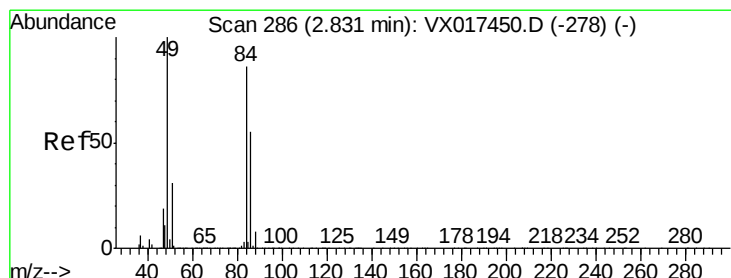
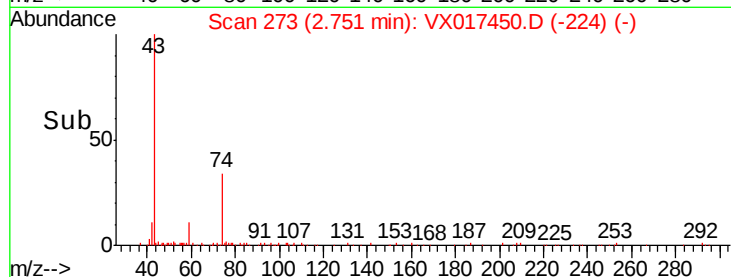
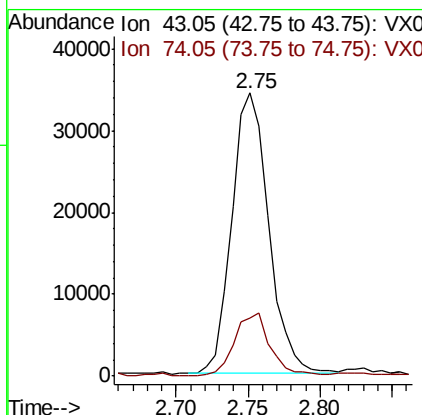
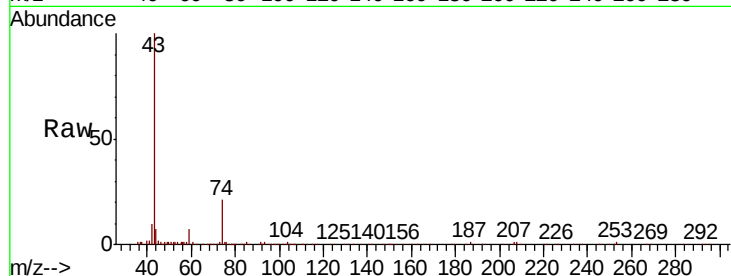




#15
Methyl Acetate
Concen: 6.731 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

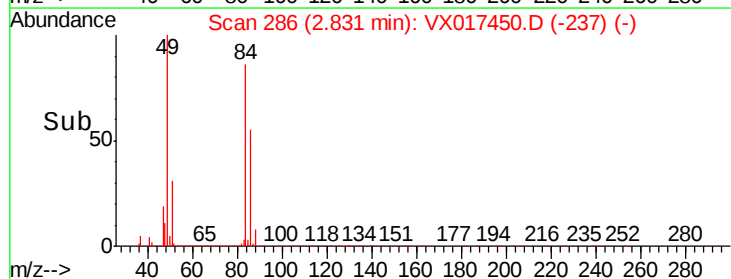
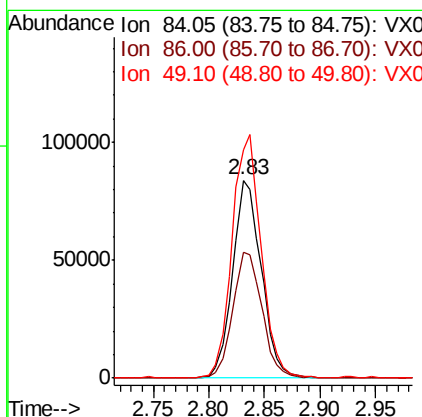
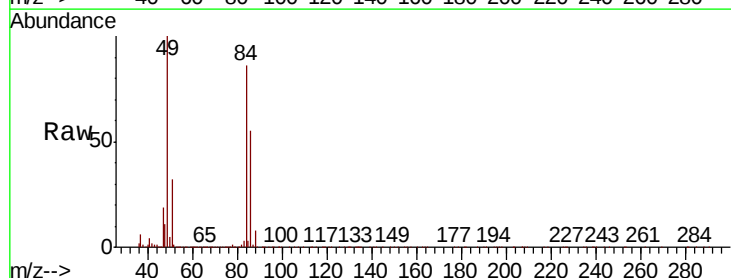
Instrument :
MSVOA_X
ClientSampleId :
VSTD00563

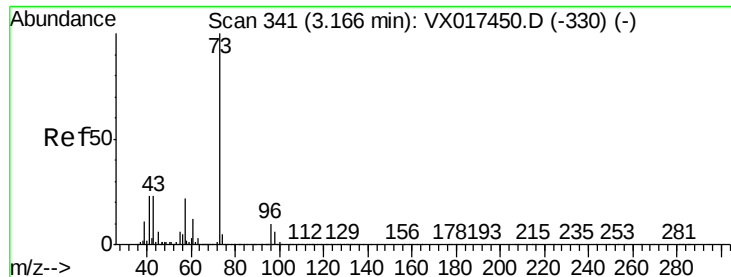
Tot Ion: 43 Resp: 61254
Ion Ratio Lower Upper
43 100
74 22.0 17.6 26.4



#16
Methylene chloride
Concen: 5.982 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 84 Resp: 149243
Ion Ratio Lower Upper
84 100
86 64.0 44.8 83.2
49 115.7 81.0 150.4



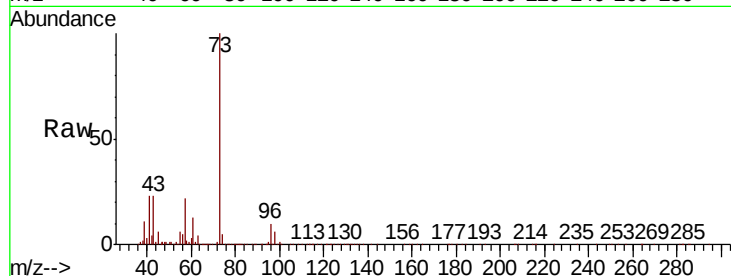


#17

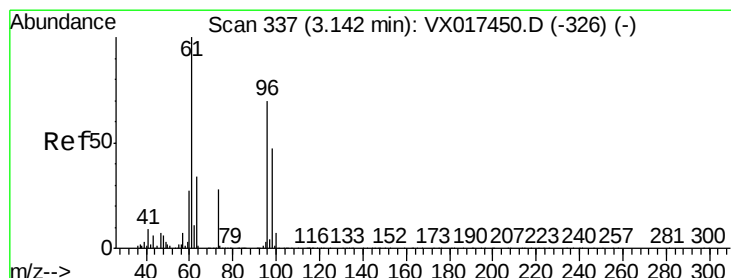
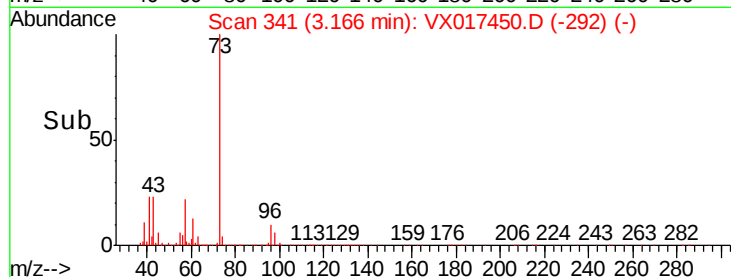
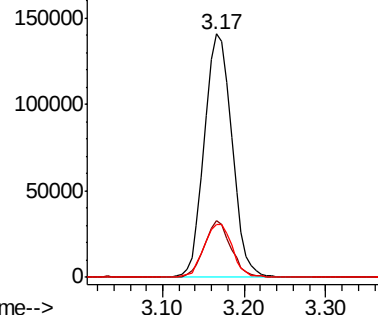
Methvl tert-butvl Ether
 Concen: 6.098 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00563

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.8	26.6
57	22.3	17.8	26.8



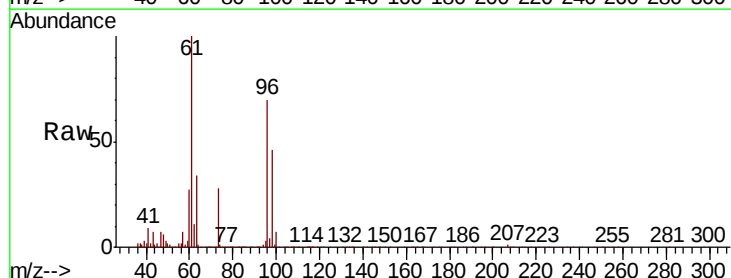
Abundance Ion 73.10 (72.80 to 73.80): VX0
 Ion 43.05 (42.75 to 43.75): VX0
 Ion 57.10 (56.80 to 57.80): VX0



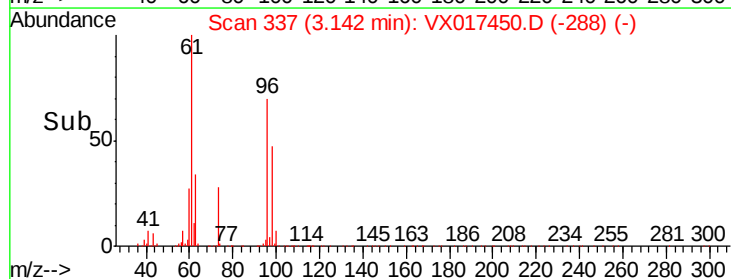
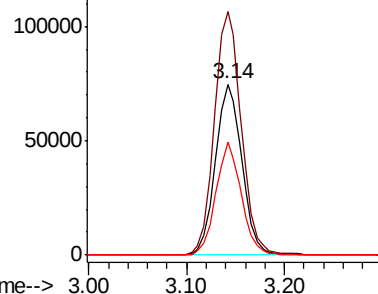
#18

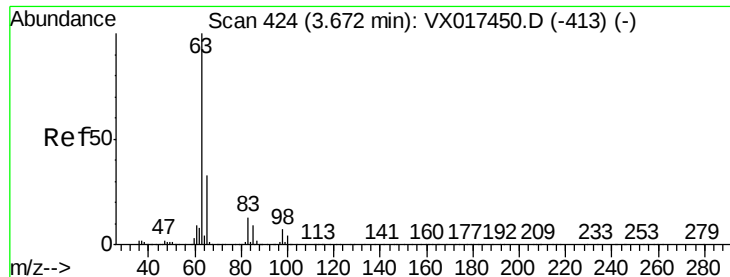
trans-1,2-Dichloroethene
 Concen: 6.150 ug/L
 RT: 3.14 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.6	99.8	185.4
98	66.3	46.4	86.2



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

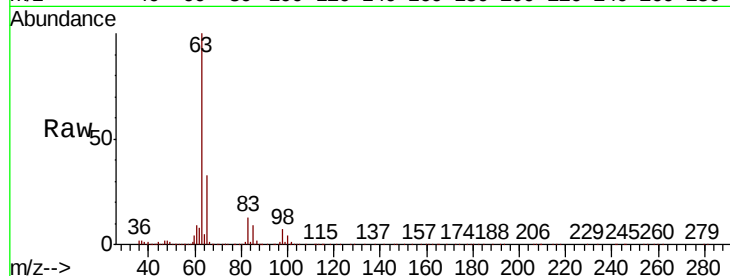




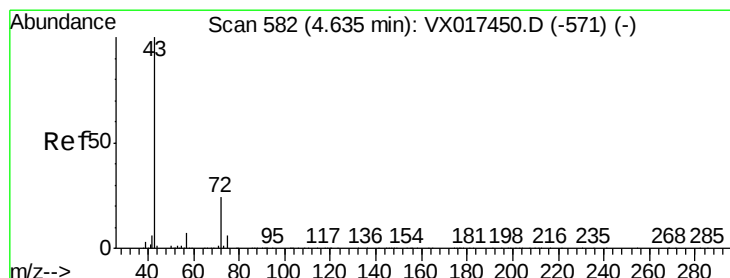
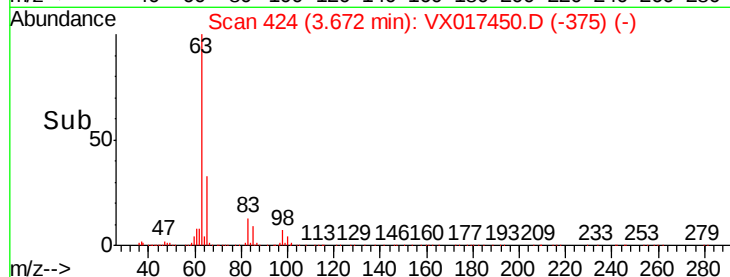
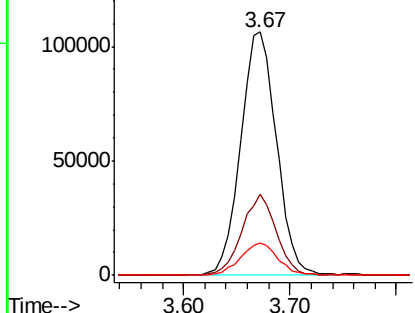
#19
 1,1-Dichloroethane
 Concen: 5.779 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD00563

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	23.2	43.2
83	13.4	9.4	17.4

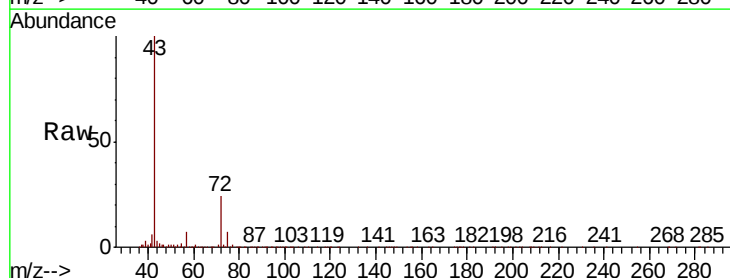


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

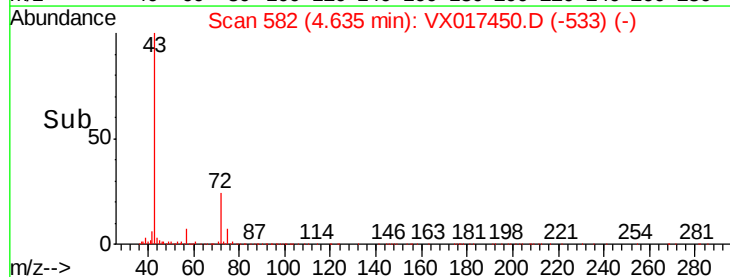
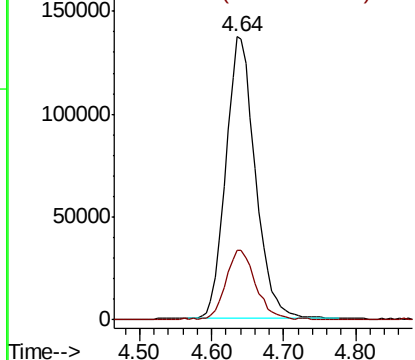


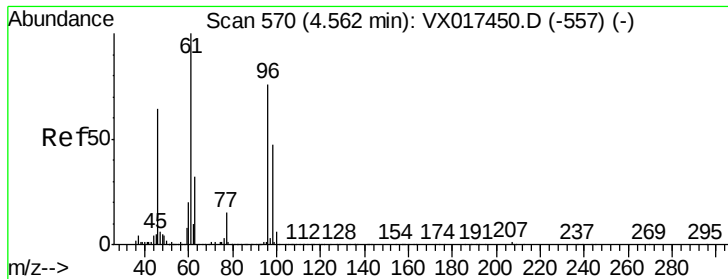
#21
 2-Butanone
 Concen: 65.242 ug/L
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	12.1	36.3



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



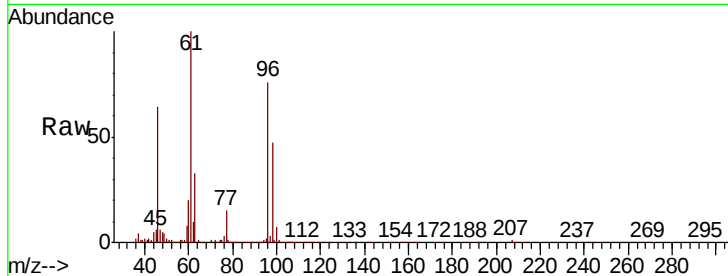


#22

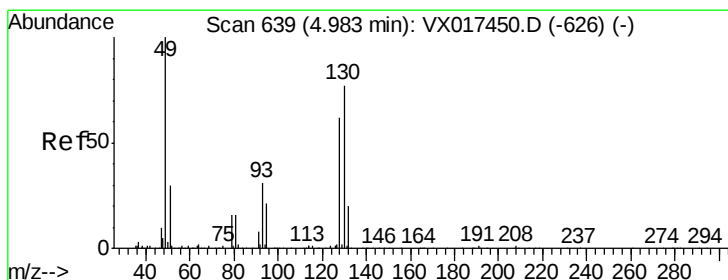
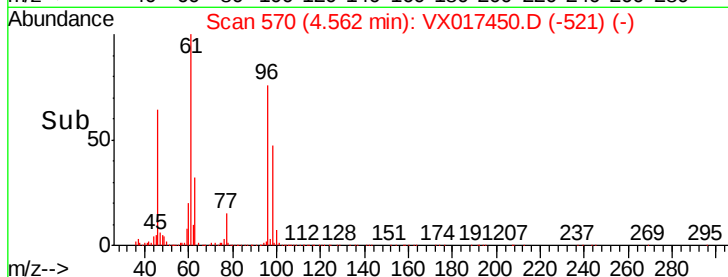
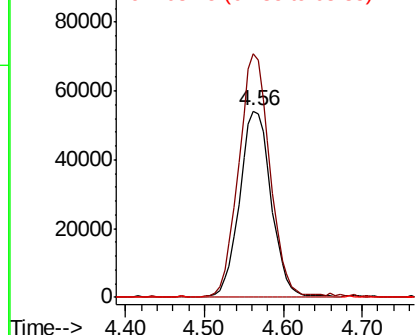
cis-1,2-Dichloroethene
 Concen: 6.232 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00563

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	91.6	170.2
68	0.0	0.0	0.0



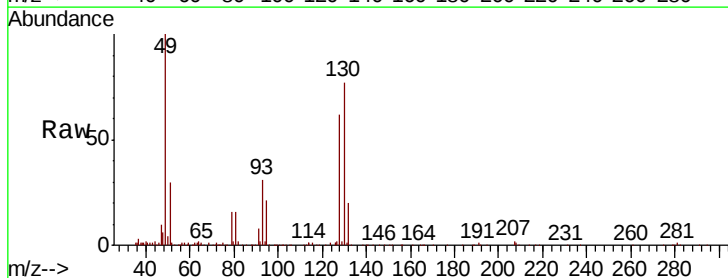
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



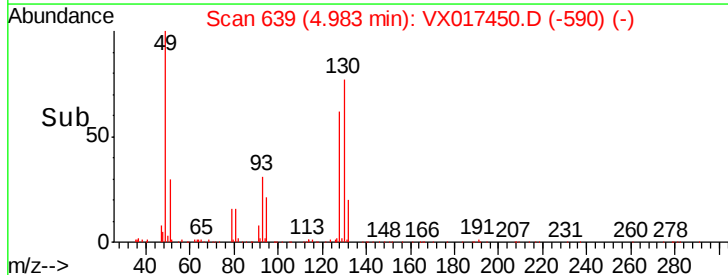
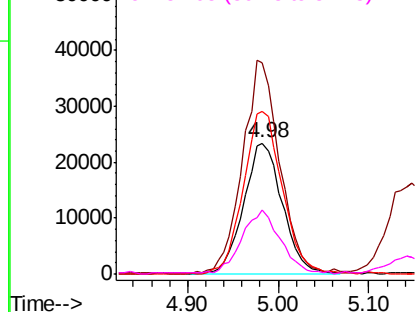
#23

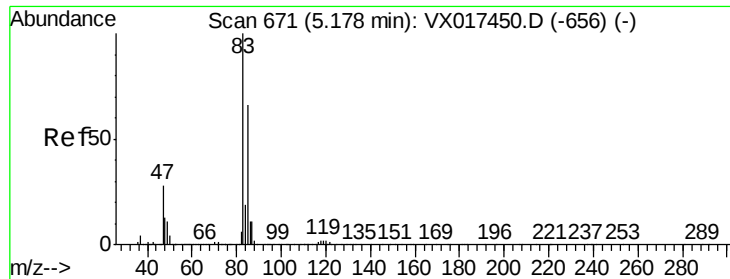
Bromochloromethane
 Concen: 6.614 ug/L
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.8	113.3	210.3
130	124.7	87.3	162.1
51	48.8	39.0	58.6



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: 5.603 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

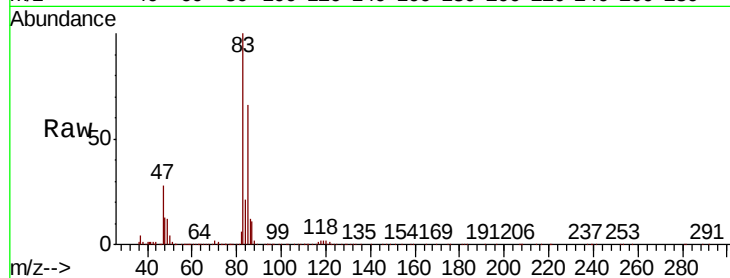
VSTD00563

Tot Ion: 83 Resp: 264286

Ion Ratio Lower Upper

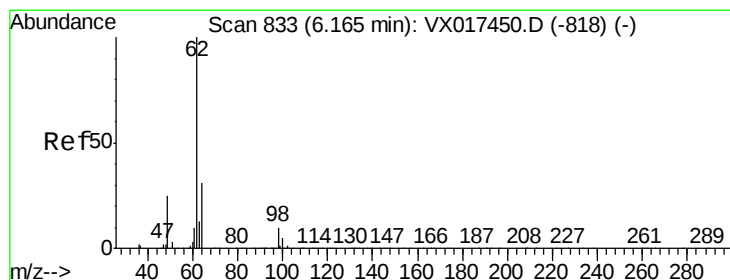
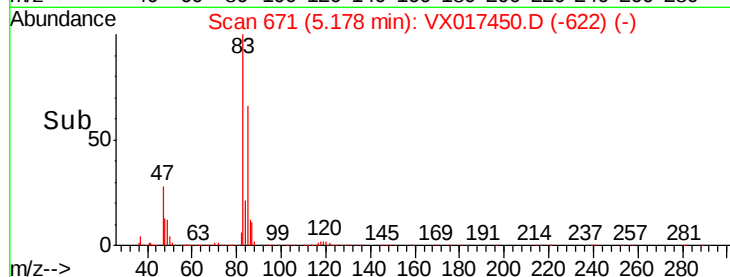
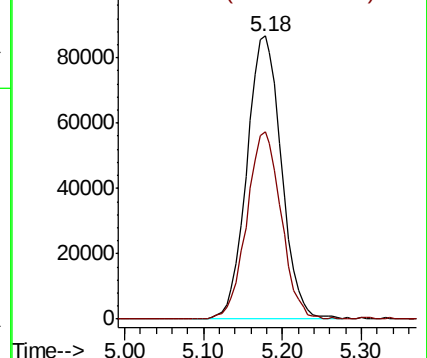
83 100

85 66.0 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 5.882 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX017450.D

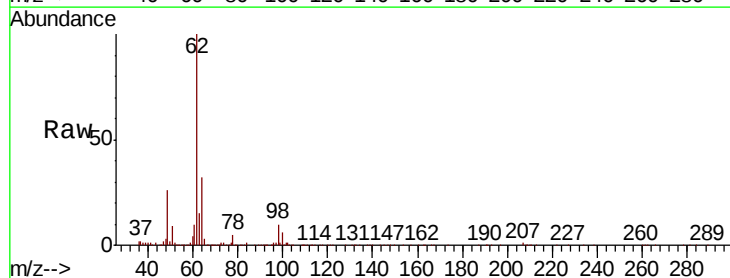
Acq: 21 Jul 2020 12:03

Tgt Ion: 62 Resp: 174555

Ion Ratio Lower Upper

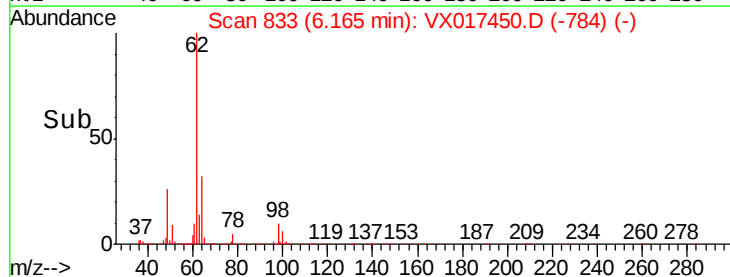
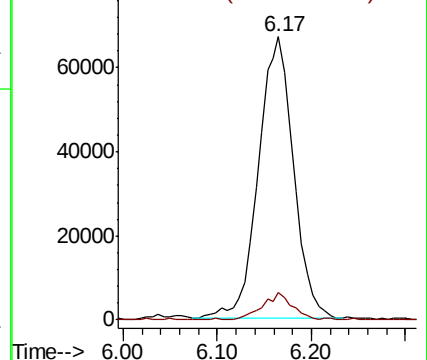
62 100

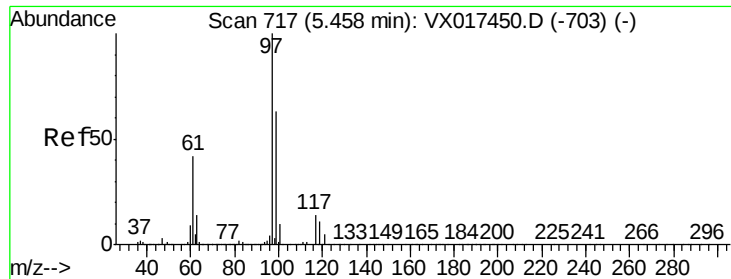
98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

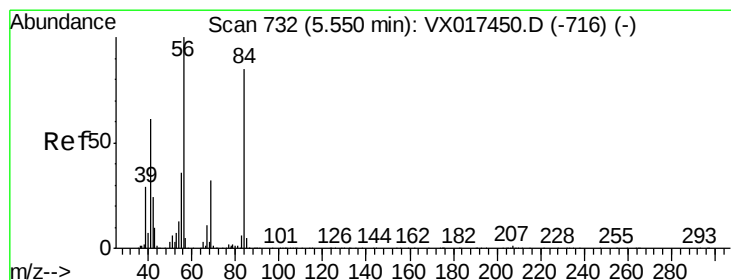
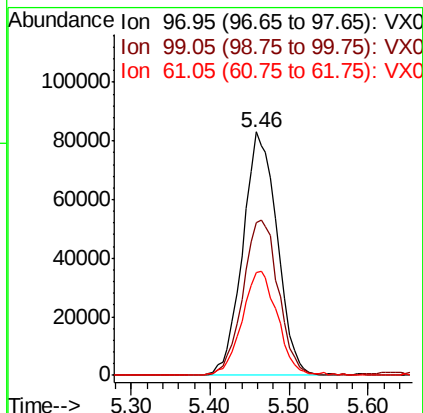
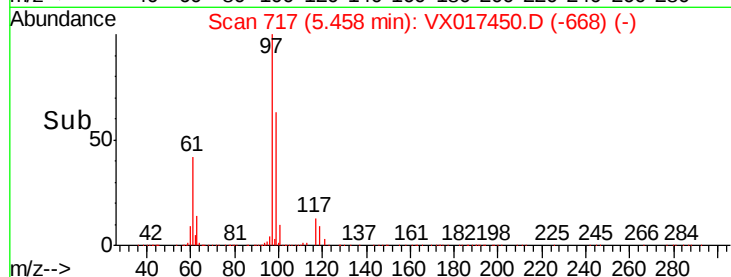
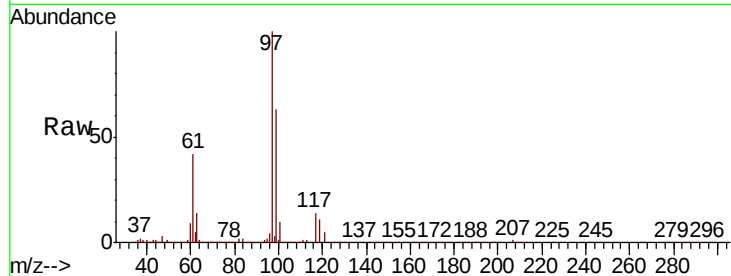




#29
 1,1,1-Trichloroethane
 Concen: 6.038 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

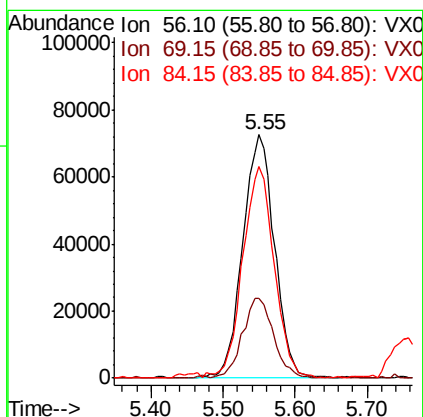
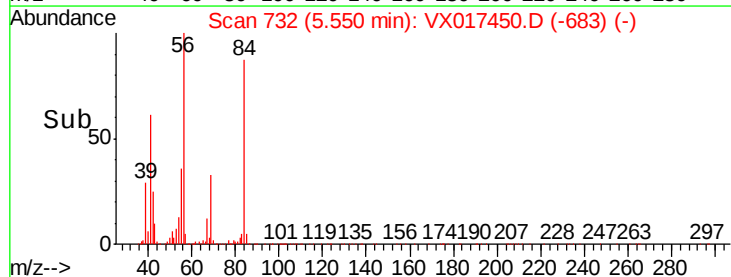
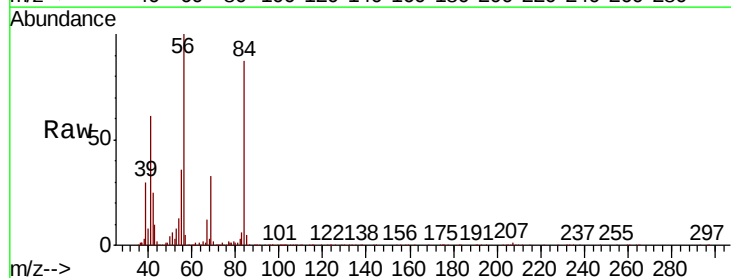
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD00563

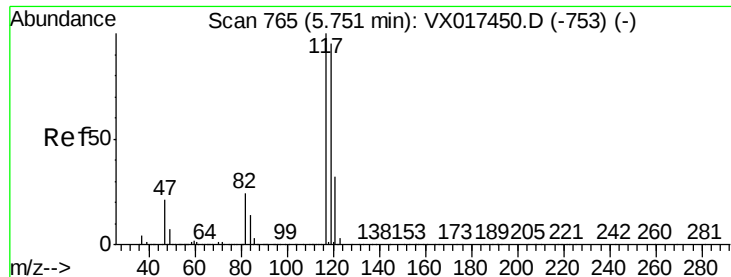
Tot Ion	Ratio	Lower	Upper
97	100		
99	66.2	53.0	79.4
61	44.0	35.2	52.8



#30
 Cyclohexane
 Concen: 5.473 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.4	38.2
84	86.6	69.3	103.9



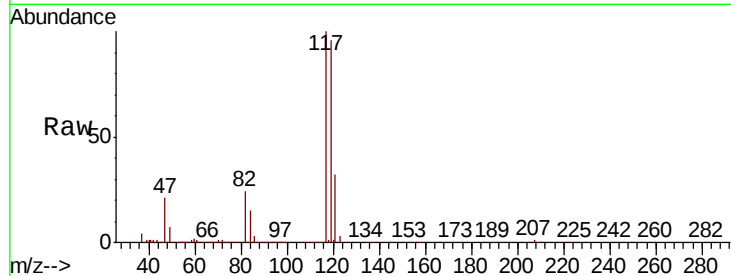


#31

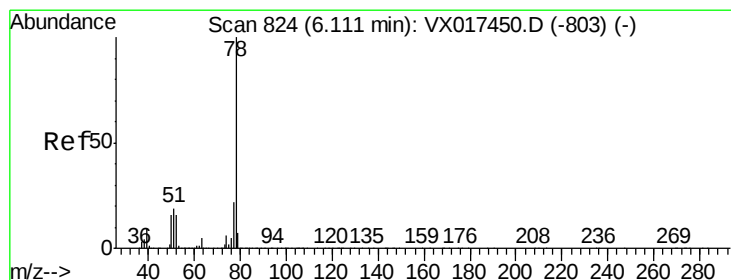
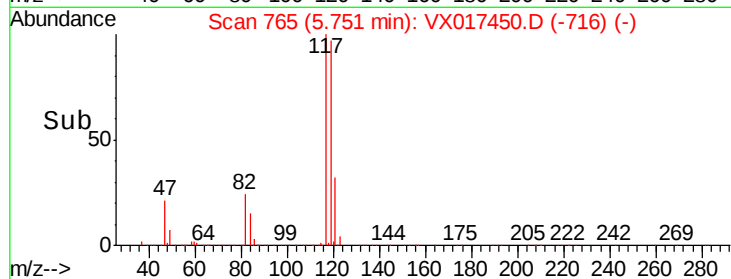
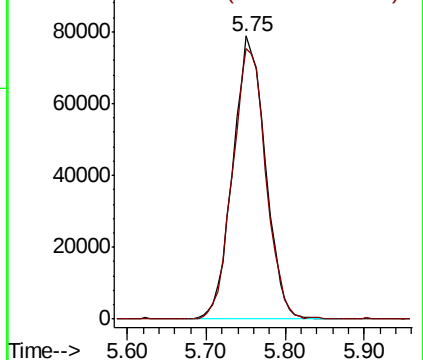
Carbon tetrachloride
Concen: 6.226 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTD00563

Tot Ion:117 Resp: 226006
Ion Ratio Lower Upper
117 100
119 98.1 78.5 117.7



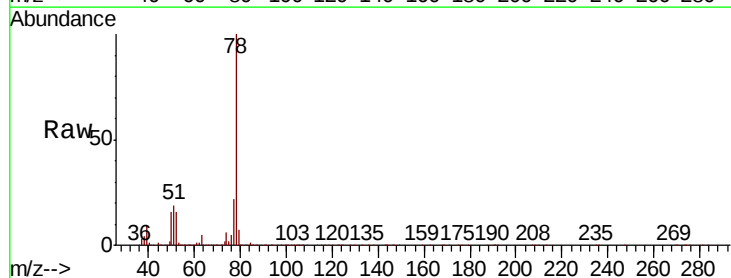
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



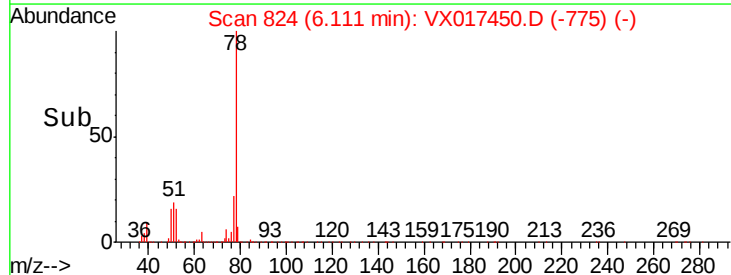
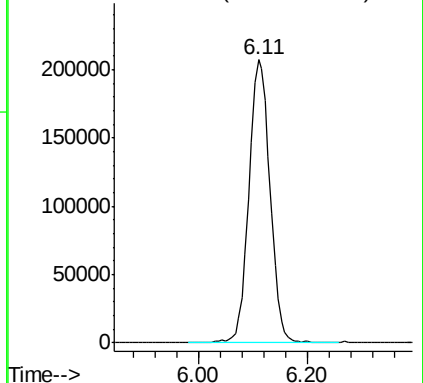
#33

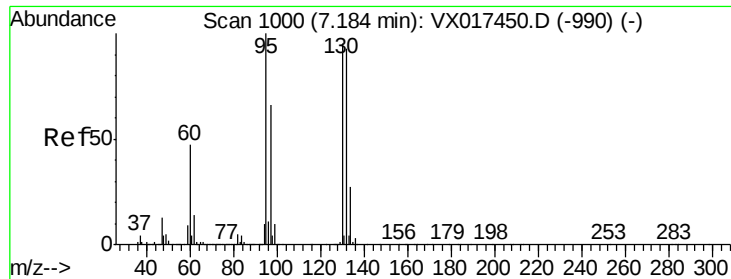
Benzene
Concen: 5.938 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Tgt Ion: 78 Resp: 558223



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 5.445 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampled :

VSTD00563

Tot Ion: 95 Resp: 143201

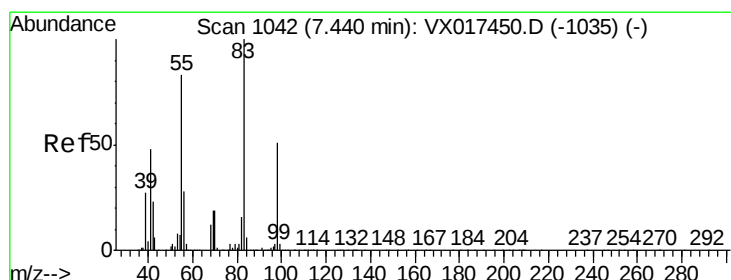
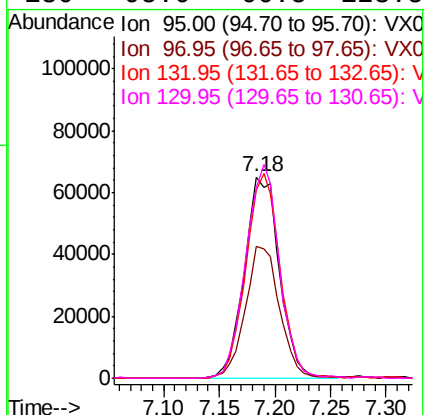
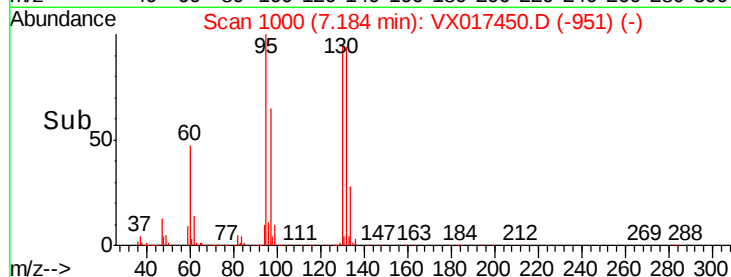
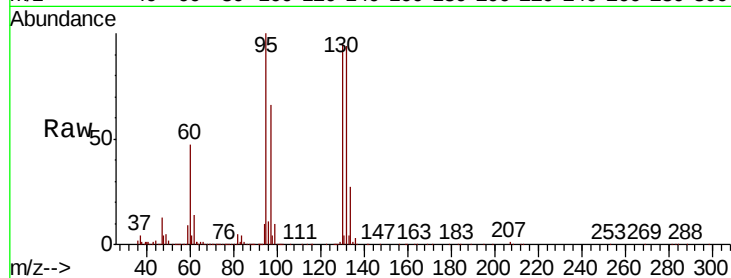
Ion Ratio Lower Upper

95 100

97 65.6 45.9 85.3

132 93.6 65.5 121.7

130 95.0 66.5 123.5



#35

Methylcyclohexane

Concen: 5.357 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

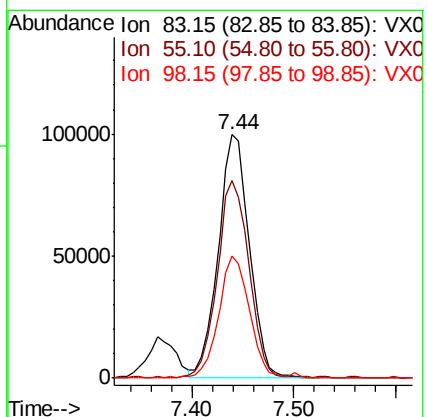
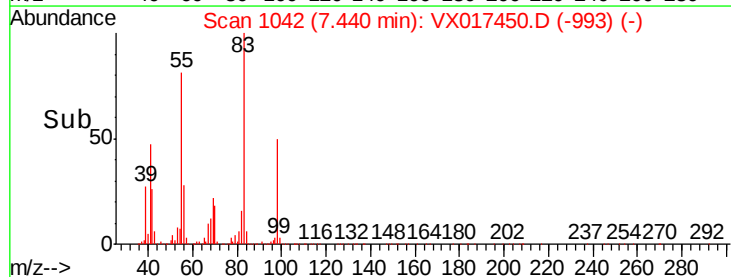
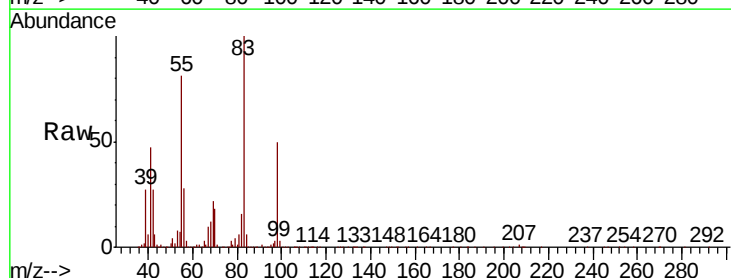
Tgt Ion: 83 Resp: 211112

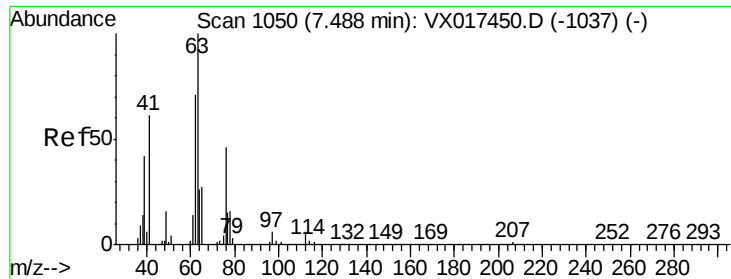
Ion Ratio Lower Upper

83 100

55 81.8 65.4 98.2

98 49.8 39.8 59.8

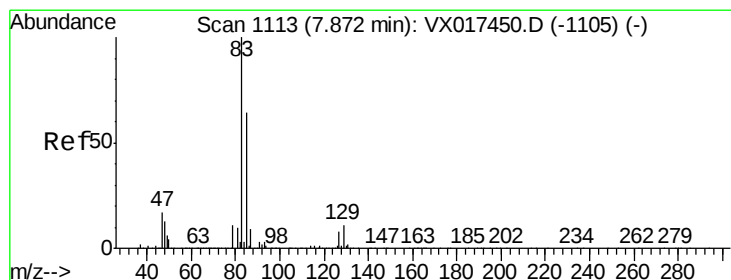
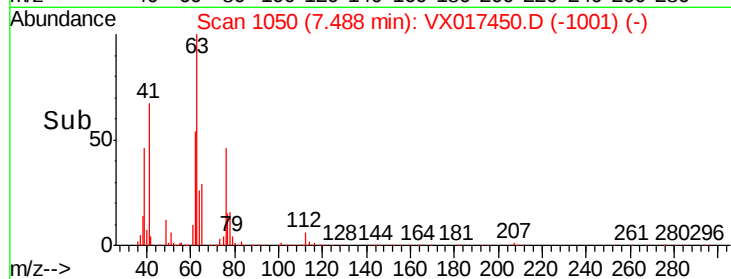
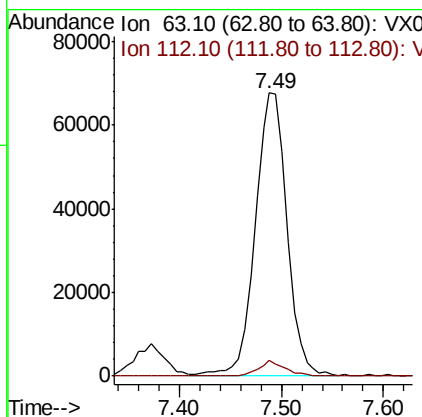
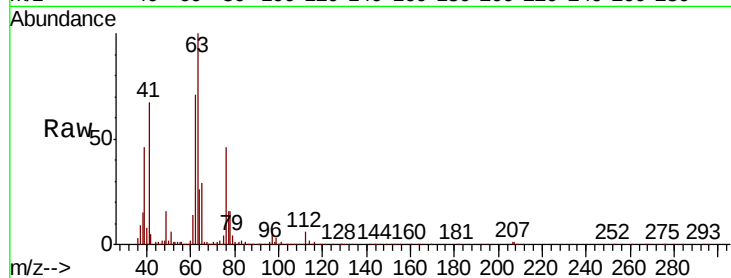




#37
 1,2-Dichloropropane
 Concen: 6.009 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

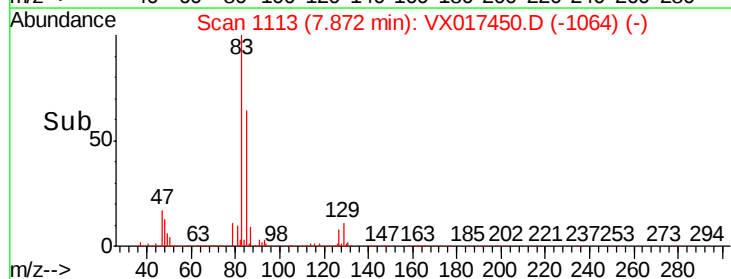
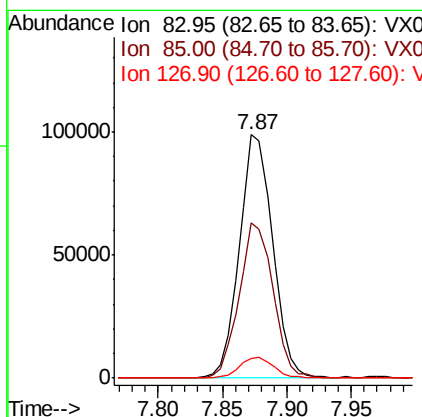
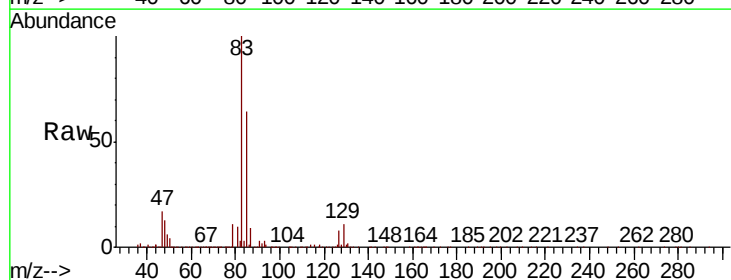
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00563

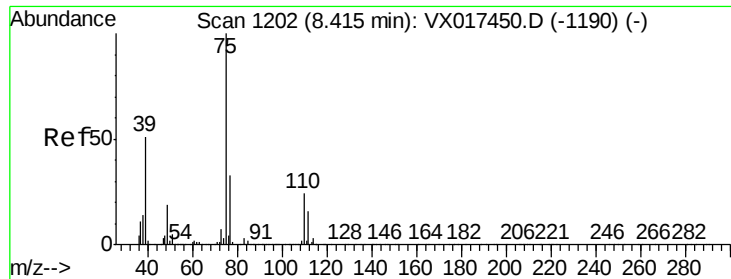
Tot Ion: 63 Resp: 145776
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.861 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Tgt Ion: 83 Resp: 177028
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.937 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

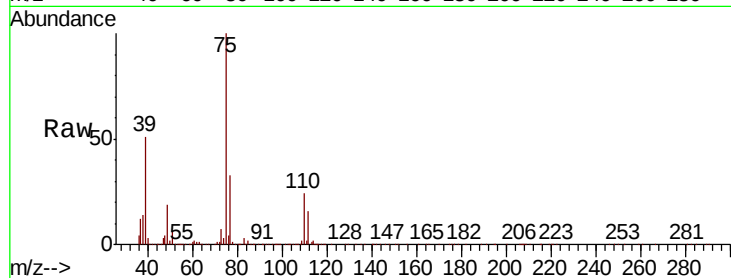
VSTD00563

Tot Ion: 75 Resp: 200079

Ion Ratio Lower Upper

75 100

77 33.0 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.42

150000

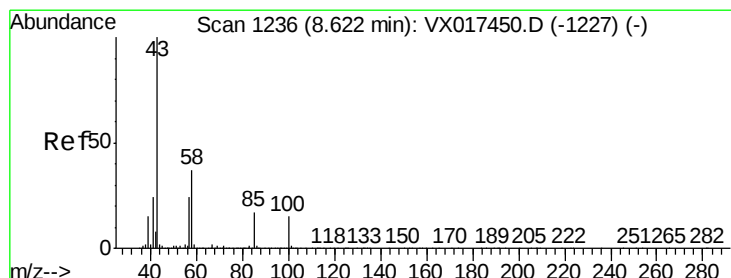
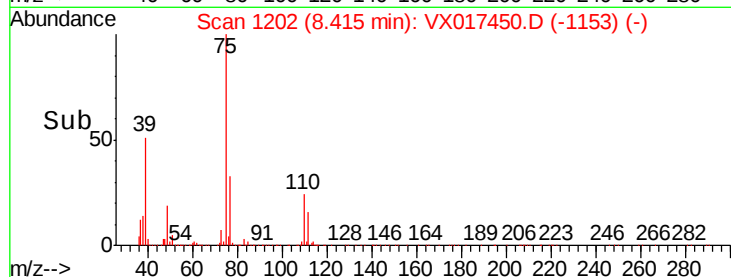
100000

50000

0

8.30 8.35 8.40 8.45 8.50

Time-->



#40

4-Methyl-2-pentanone

Concen: 59.188 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

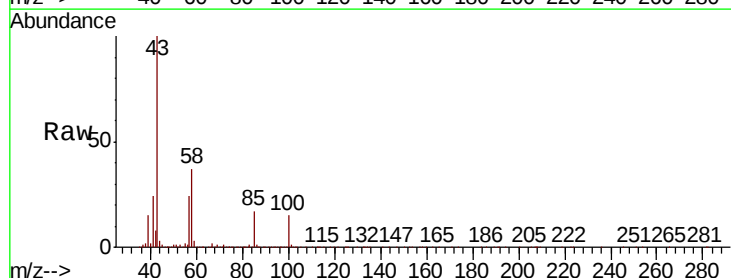
Tgt Ion: 43 Resp: 877150

Ion Ratio Lower Upper

43 100

58 37.3 30.1 45.1

100 14.4 6.5 9.7#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): V

600000

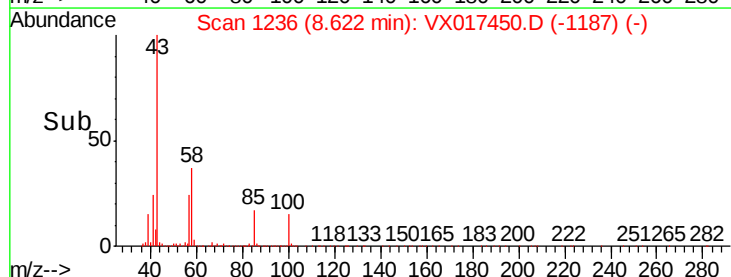
400000

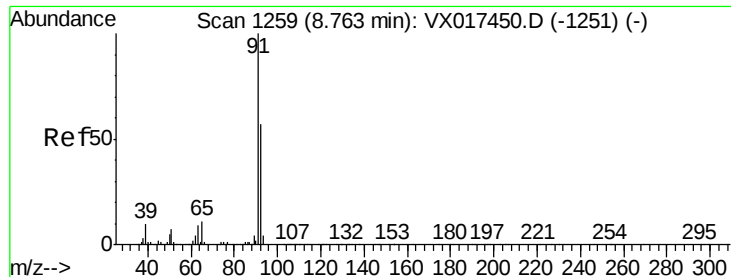
200000

0

8.55 8.60 8.65 8.70

Time-->





#42

Toluene

Concen: 5.741 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

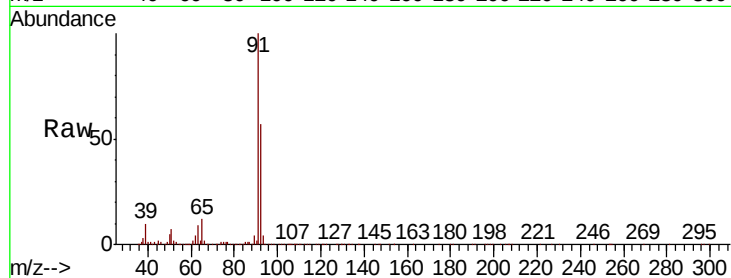
VSTD00563

Tot Ion: 91 Resp: 563951

Ion Ratio Lower Upper

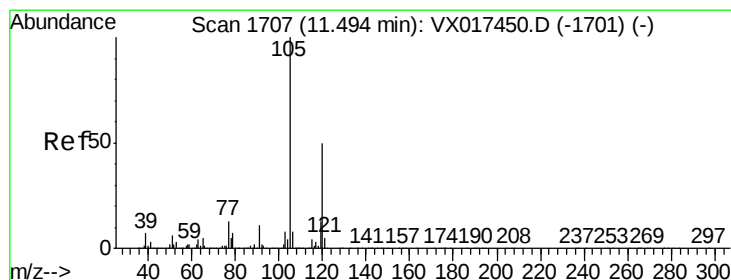
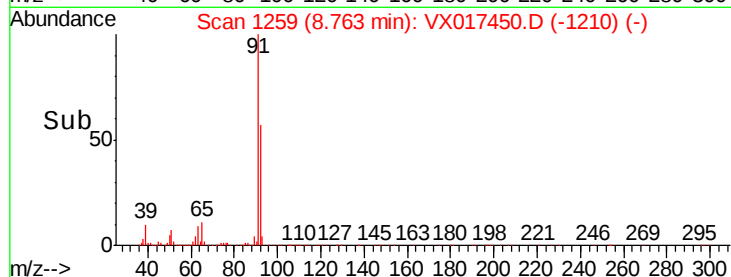
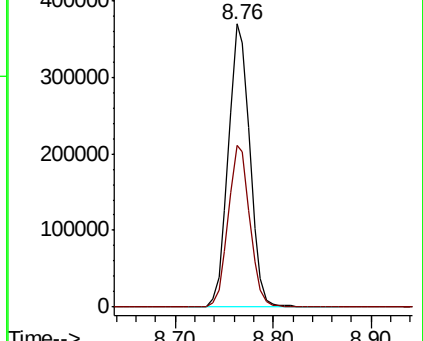
91 100

92 57.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#43

1,3,5-Trimethylbenzene

Concen: 5.785 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017450.D

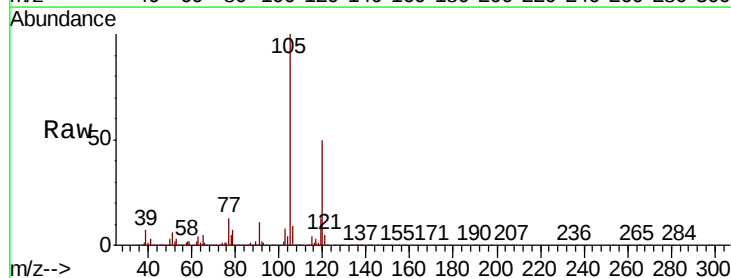
Acq: 21 Jul 2020 12:03

Tgt Ion: 105 Resp: 522042

Ion Ratio Lower Upper

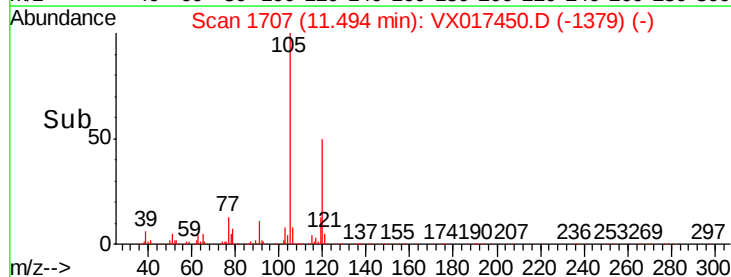
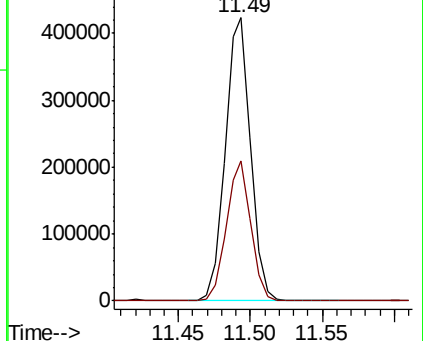
105 100

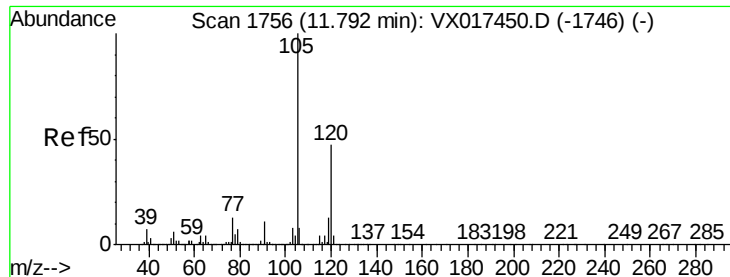
120 47.7 38.2 57.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#44

1,2,4-Trimethylbenzene

Concen: 5.625 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

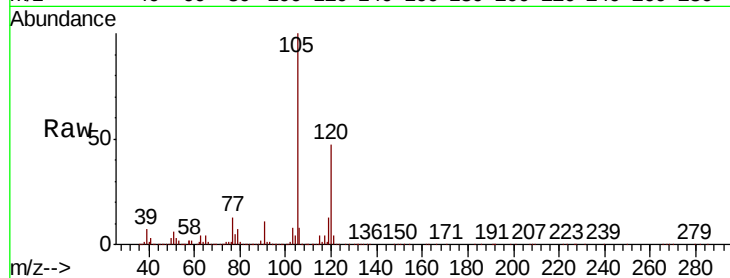
VSTD00563

Tot Ion:105 Resp: 501282

Ion Ratio Lower Upper

105 100

120 45.6 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

400000

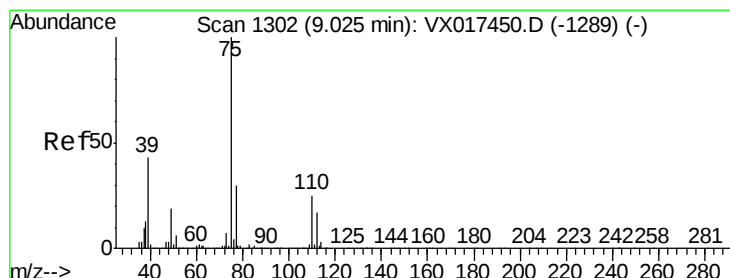
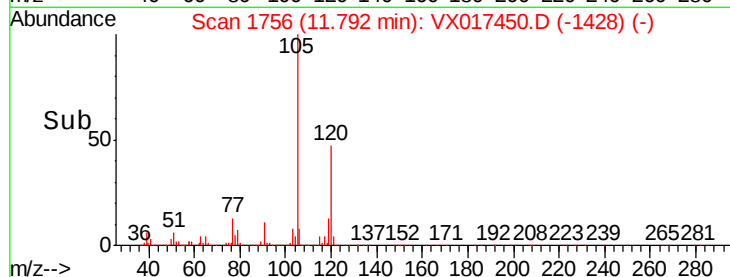
300000

200000

100000

0

Time-->



#46

trans-1,3-Dichloropropene

Concen: 6.021 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017450.D

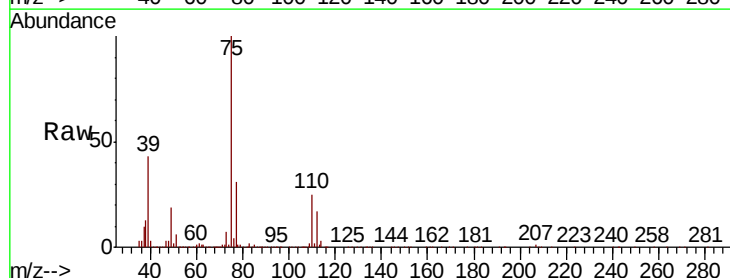
Acq: 21 Jul 2020 12:03

Tgt Ion: 75 Resp: 171893

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

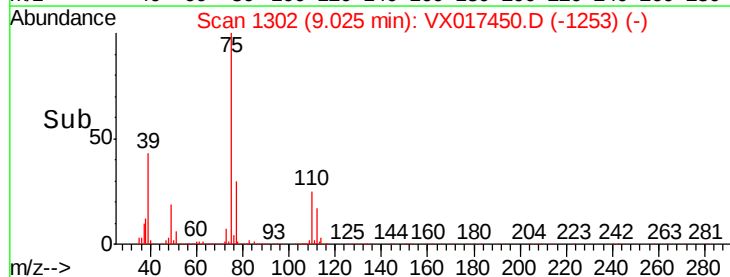
9.02

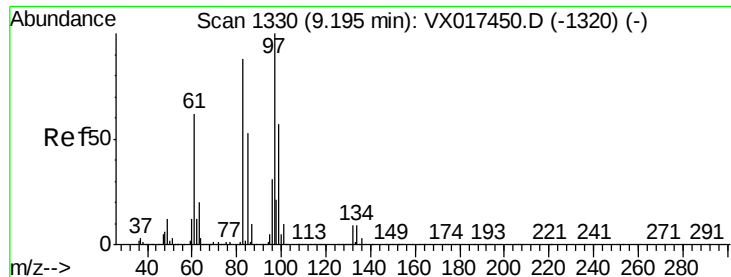
100000

50000

0

Time-->

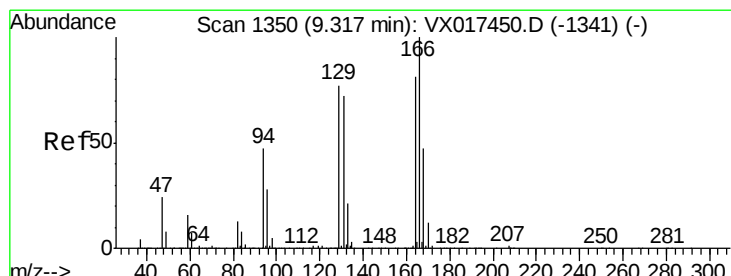
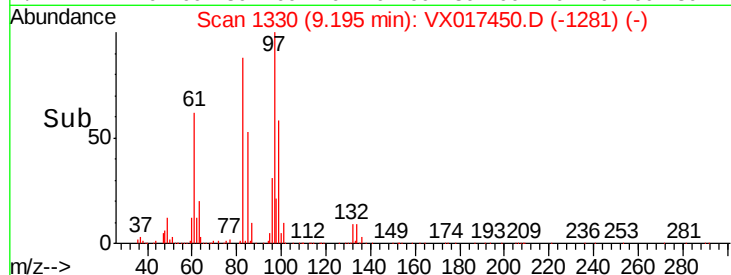
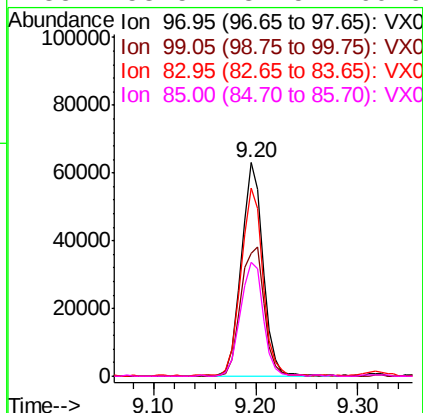
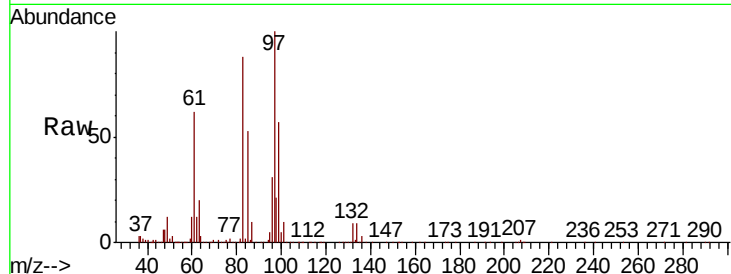




#47
 1,1,2-Trichloroethane
 Concen: 5.771 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

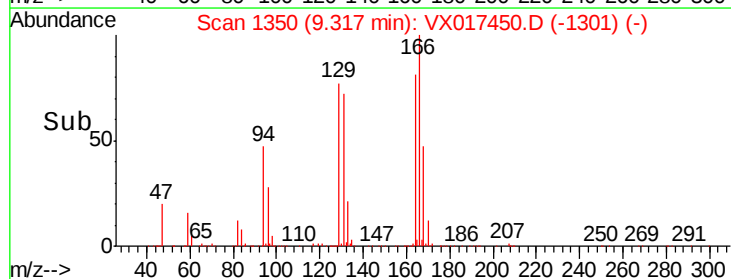
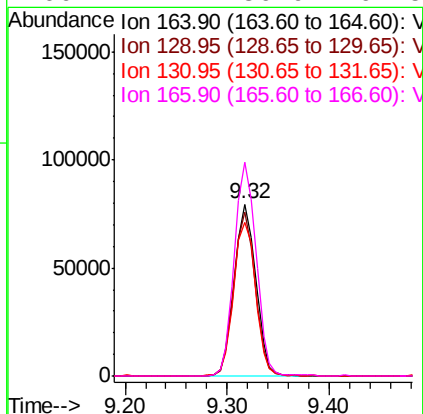
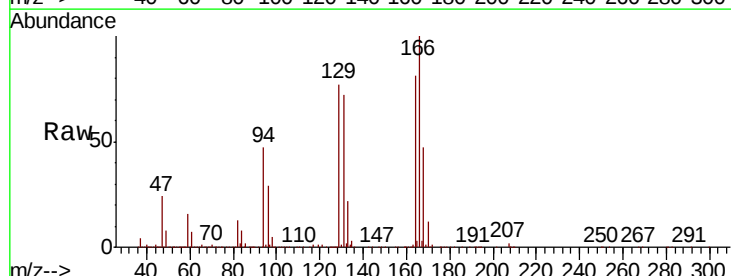
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00563

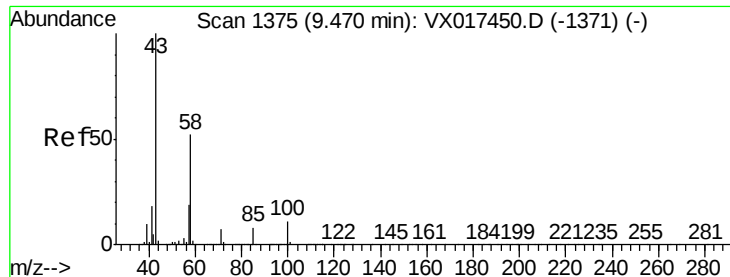
Tot Ion:	97	Resp:	92162
Ion	Ratio	Lower	Upper
97	100		
99	57.4	40.2	74.6
83	88.0	61.6	114.4
85	53.5	37.5	69.6



#49
 Tetrachloroethene
 Concen: 6.101 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Tgt Ion:	164	Resp:	115579
Ion	Ratio	Lower	Upper
164	100		
129	95.2	66.6	123.8
131	89.4	62.6	116.2
166	124.2	86.9	161.5

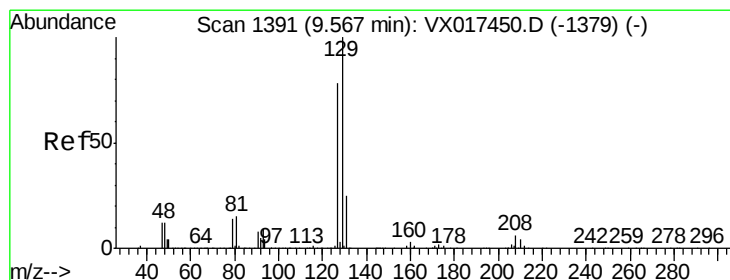
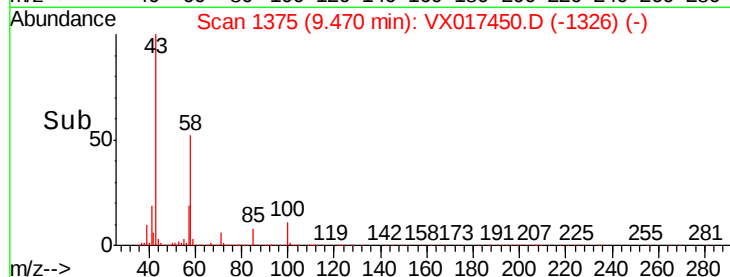
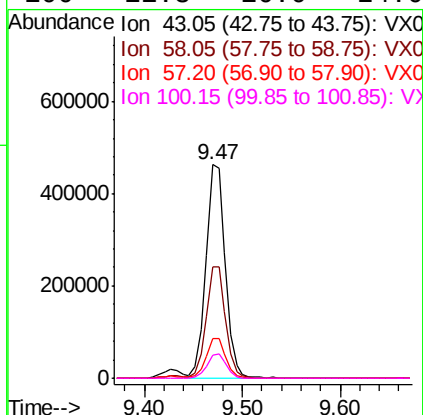
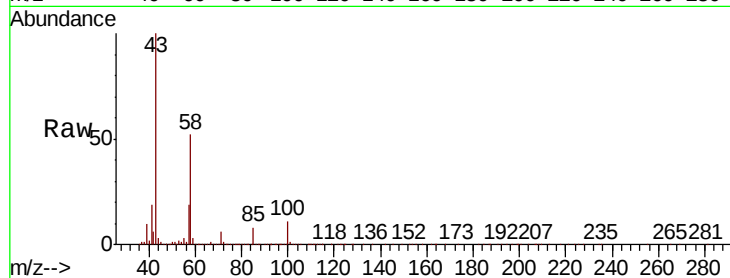




#50
2-Hexanone
Concen: 60.614 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

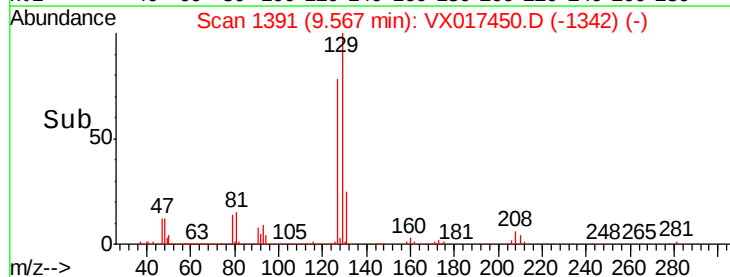
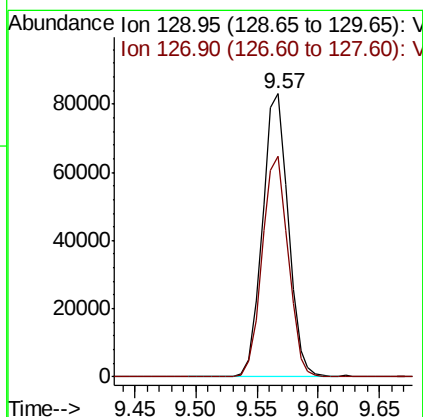
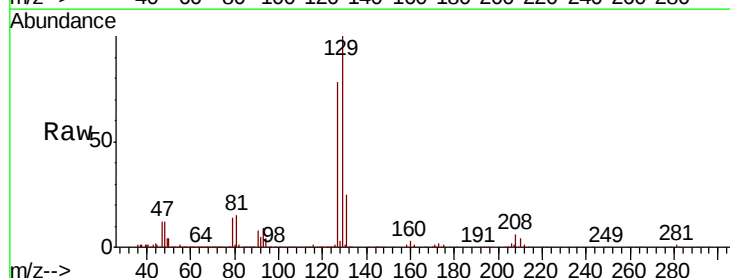
Instrument :
MSVOA_X
ClientSampleId :
VSTD00563

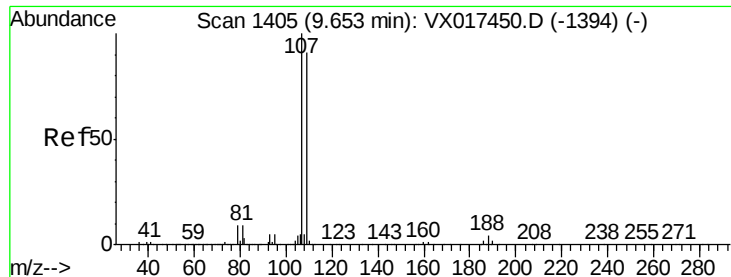
Tot Ion: 43 Resp: 632389
Ion Ratio Lower Upper
43 100
58 52.1 41.4 62.0
57 18.6 26.9 40.3#
100 11.3 16.0 24.0#



#51
Dibromochloromethane
Concen: 6.625 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Tgt Ion:129 Resp: 122865
Ion Ratio Lower Upper
129 100
127 78.1 54.7 101.5





#52

1,2-Dibromoethane

Concen: 6.018 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTD00563

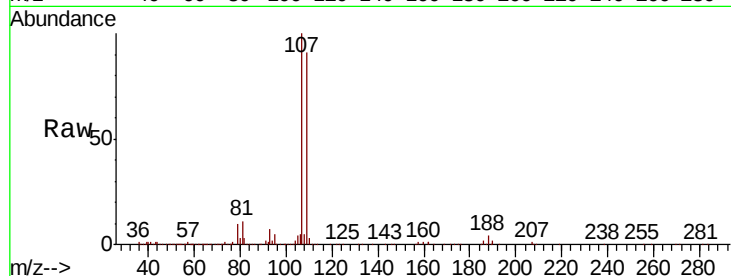
Tot Ion:107 Resp: 88885

Ion Ratio Lower Upper

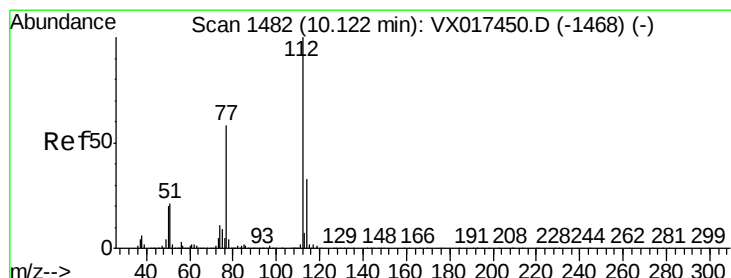
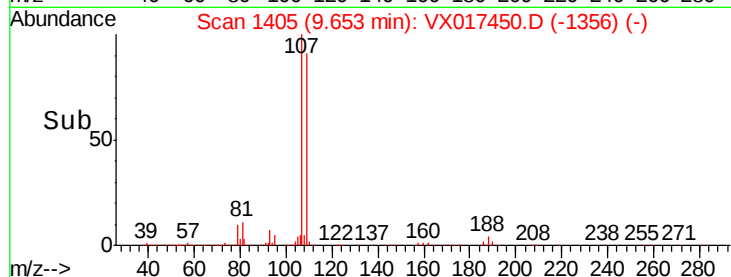
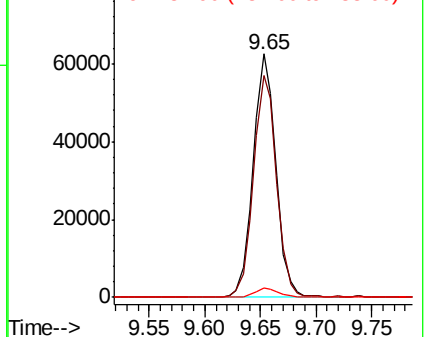
107 100

109 91.3 63.9 118.7

188 3.7 3.0 4.4



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



#53

Chlorobenzene

Concen: 5.838 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

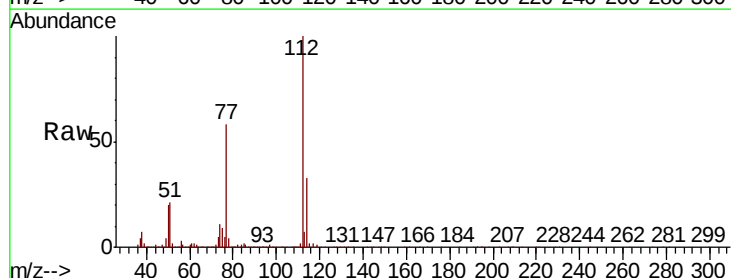
Tgt Ion:112 Resp: 373385

Ion Ratio Lower Upper

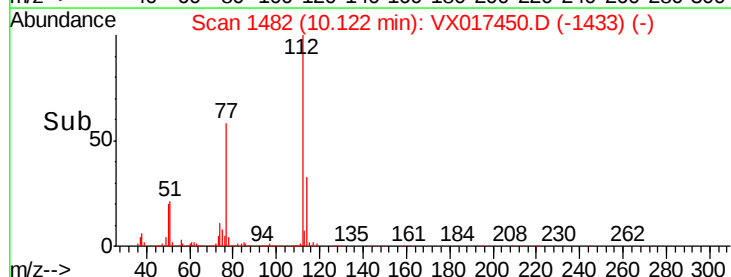
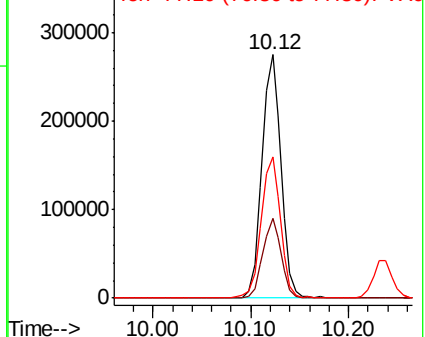
112 100

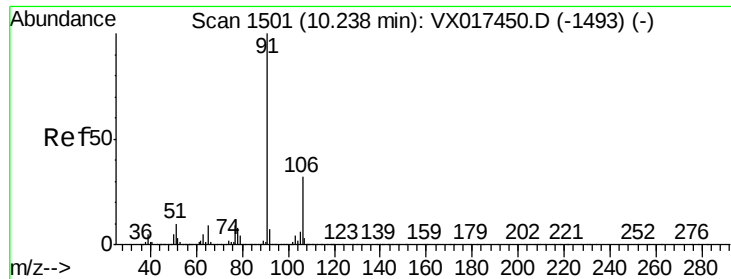
114 33.0 23.1 42.9

77 57.7 46.2 69.2



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





#54

Ethylbenzene

Concen: 5.651 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampled :

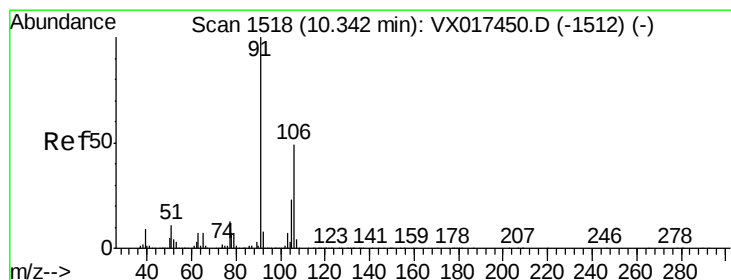
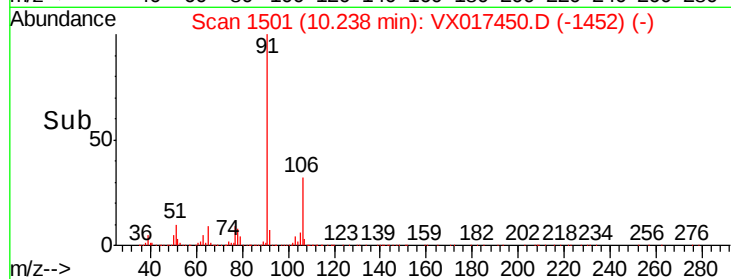
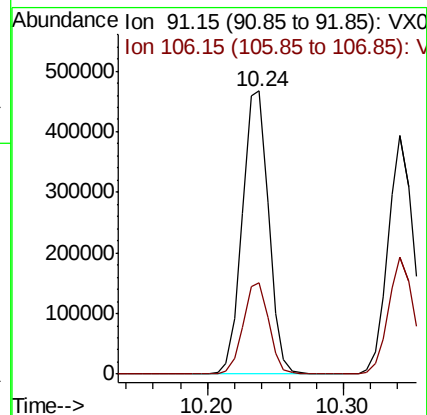
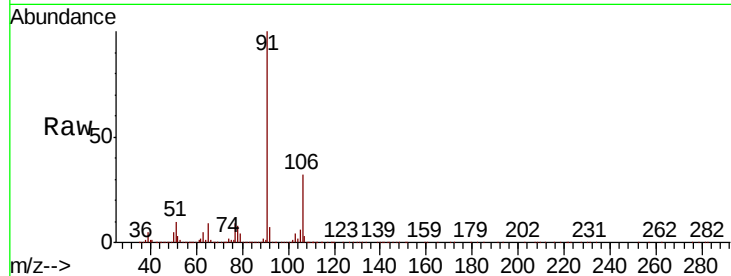
VSTD00563

Tot Ion: 91 Resp: 630036

Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.7



#55

m,p-xylene

Concen: 6.000 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017450.D

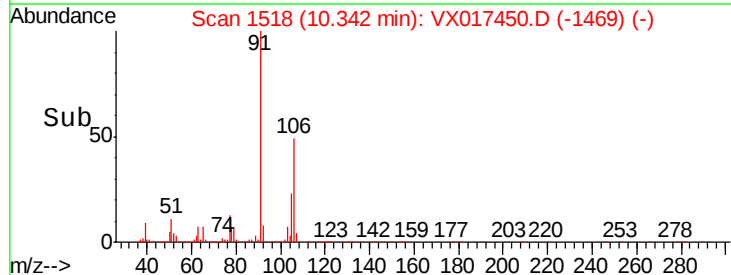
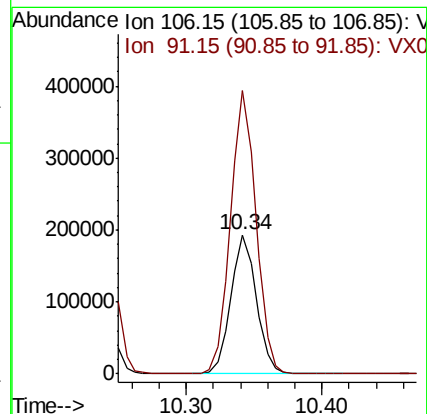
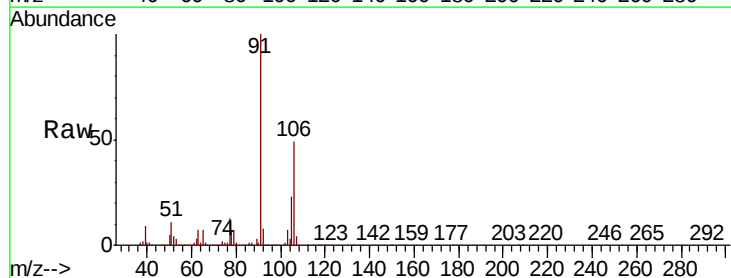
Acq: 21 Jul 2020 12:03

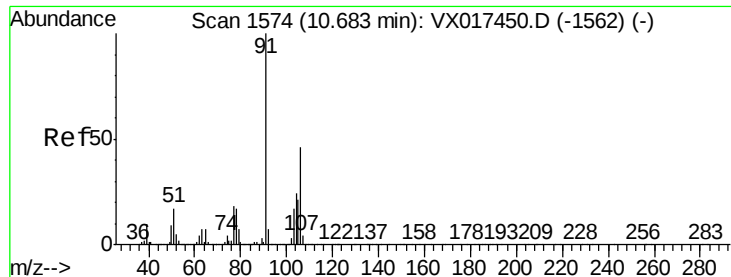
Tgt Ion: 106 Resp: 250862

Ion Ratio Lower Upper

106 100

91 203.8 142.7 264.9

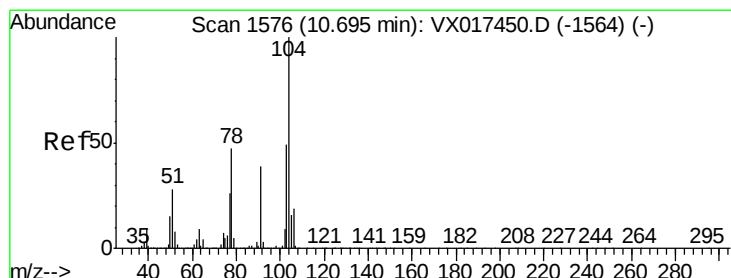
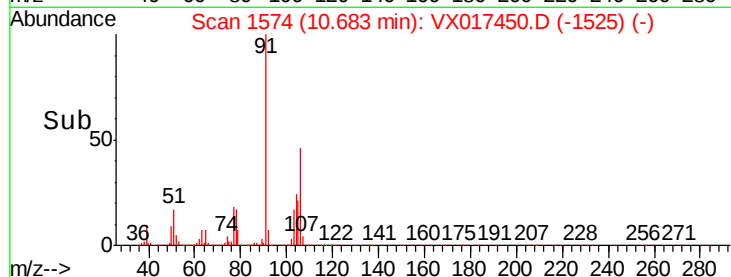
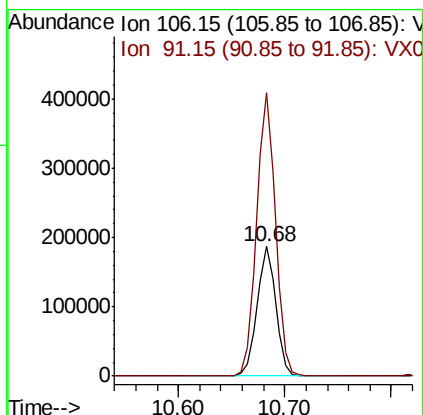
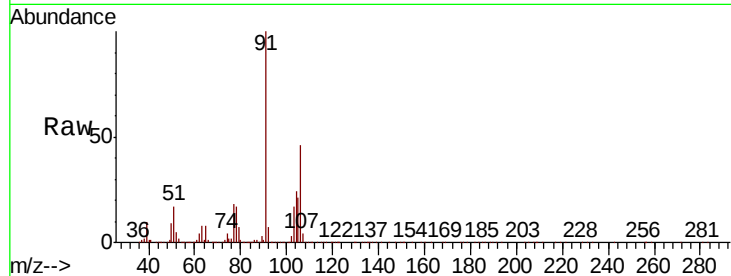




#56
o-xylene
Concen: 5.829 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

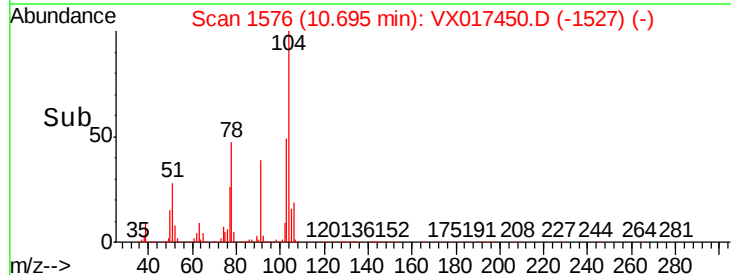
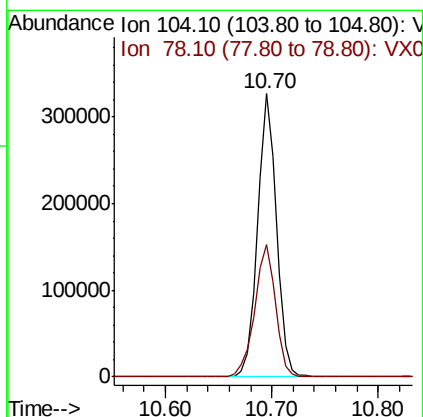
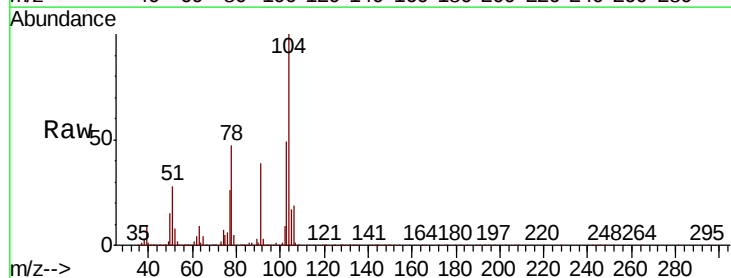
Instrument :
MSVOA_X
ClientSampled :
VSTD00563

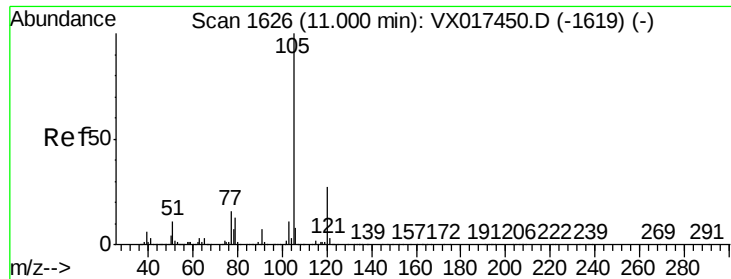
Tot Ion:106 Resp: 232425
Ion Ratio Lower Upper
106 100
91 219.1 153.4 284.8



#57
Styrene
Concen: 6.084 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Tgt Ion:104 Resp: 406741
Ion Ratio Lower Upper
104 100
78 46.6 32.6 60.6





#58

Isopropylbenzene

Concen: 5.737 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTD00563

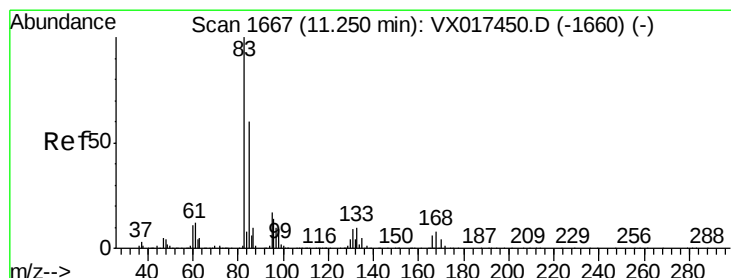
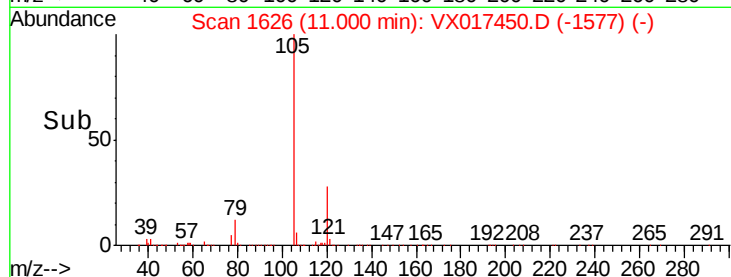
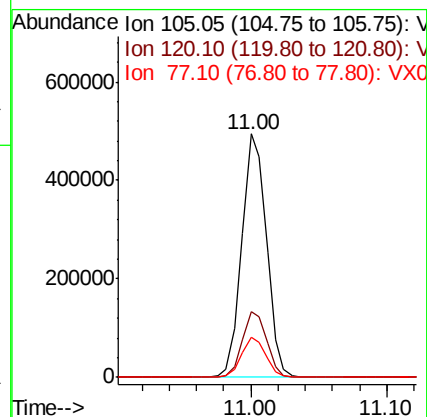
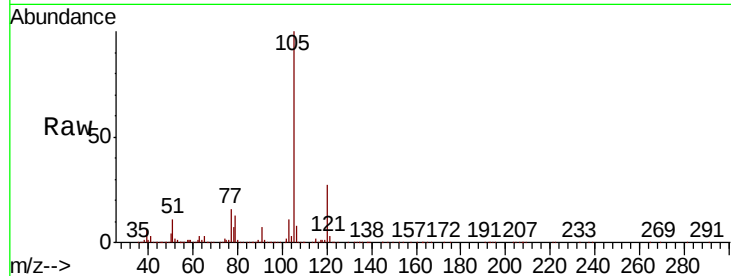
Tot Ion:105 Resp: 623139

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 16.3 13.0 19.6



#60

1,1,2,2-Tetrachloroethane

Concen: 6.748 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

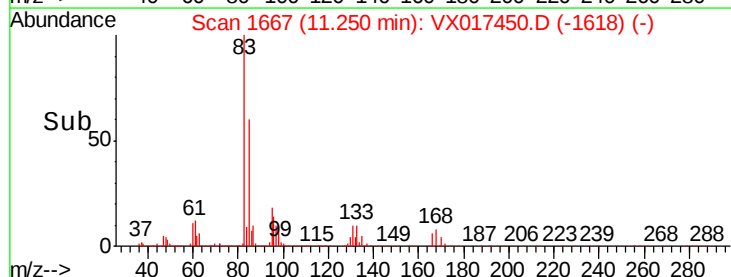
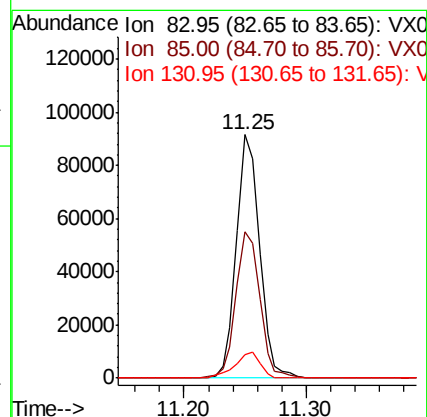
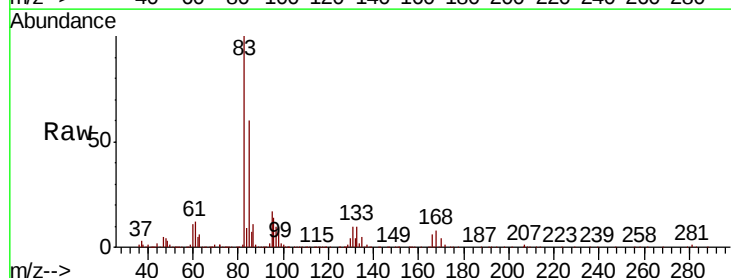
Tgt Ion: 83 Resp: 120208

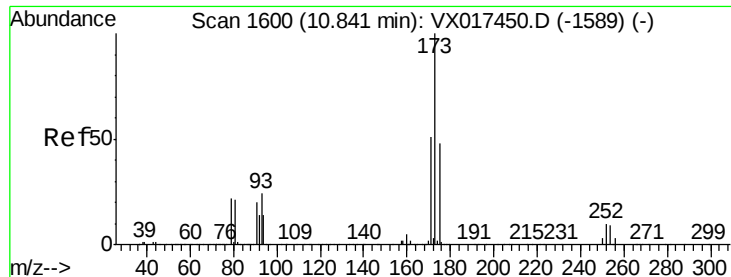
Ion Ratio Lower Upper

83 100

85 60.1 42.1 78.1

131 9.6 7.7 11.5





#62

Bromoform

Concen: 7.975 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTD00563

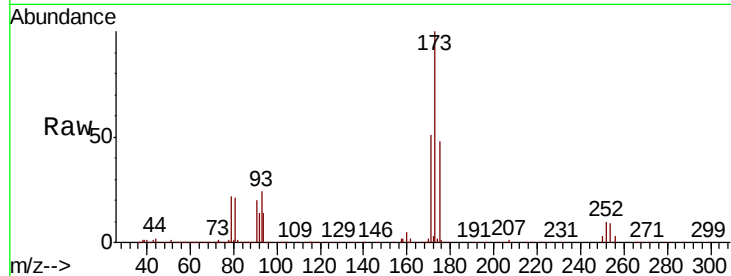
Tot Ion:173 Resp: 78370

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

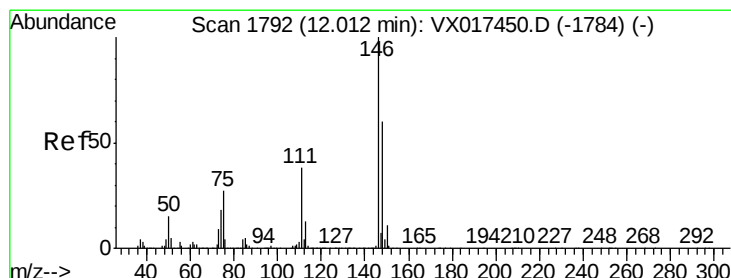
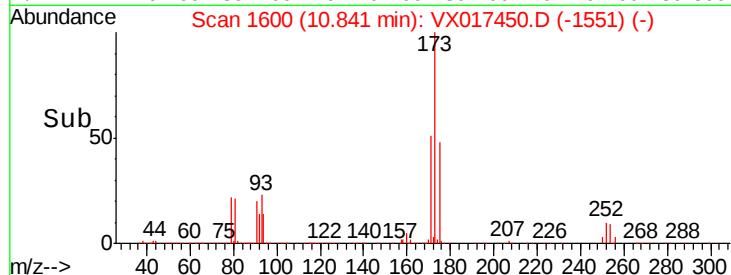
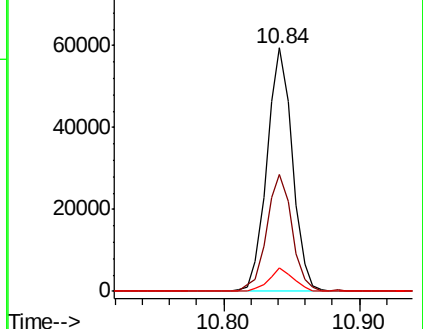
254 9.3 7.4 11.2



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



#63

1,3-Dichlorobenzene

Concen: 5.936 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

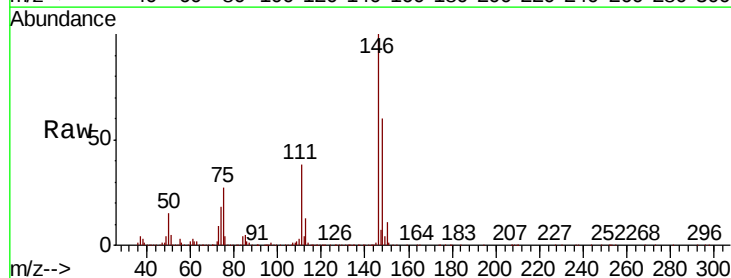
Tgt Ion:146 Resp: 301447

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

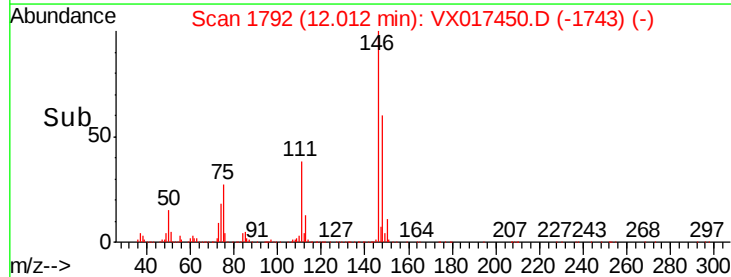
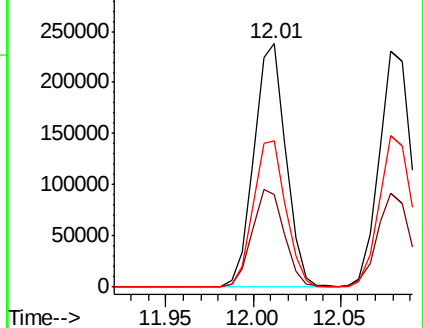
148 60.2 42.1 78.3

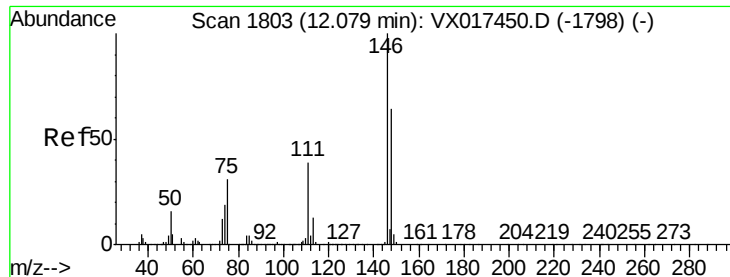


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

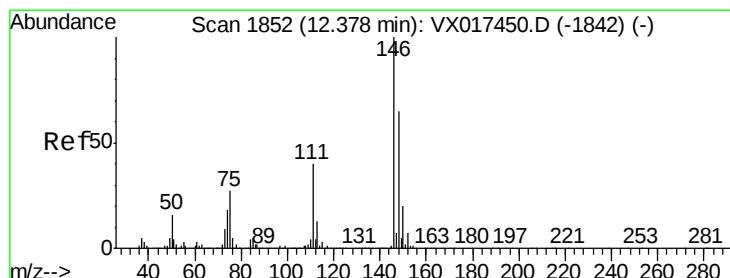
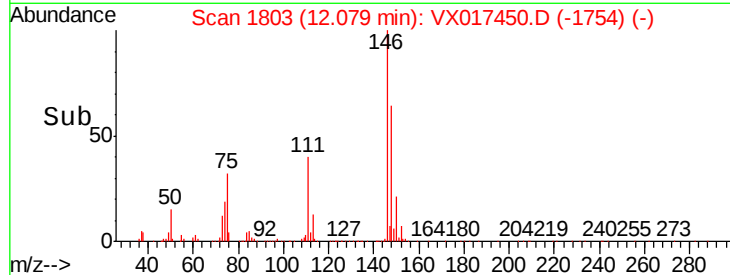
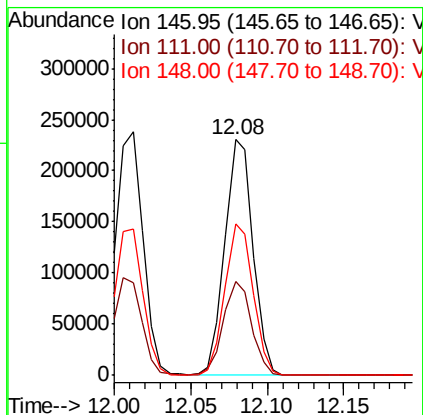
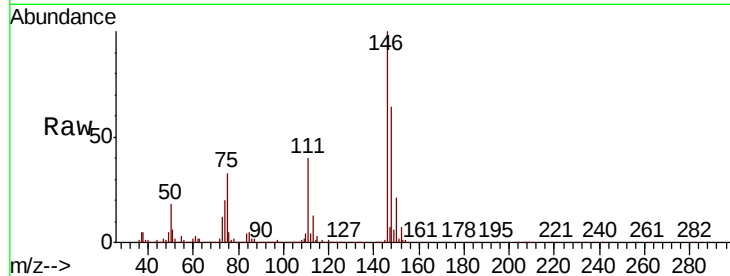




#64
1,4-Dichlorobenzene
Concen: 5.779 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

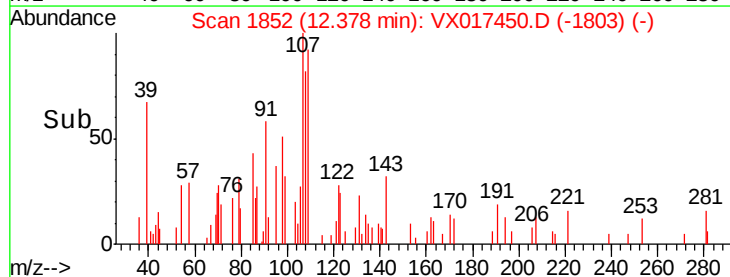
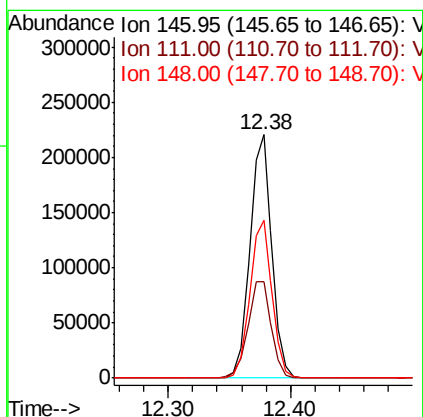
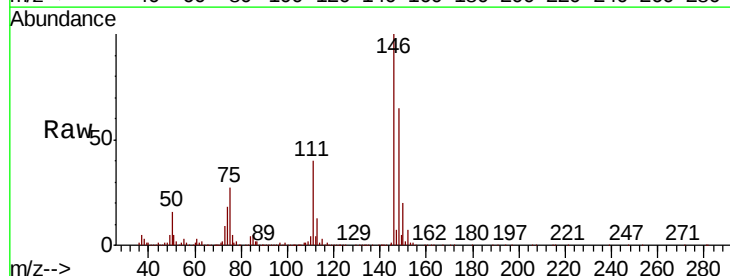
Instrument :
MSVOA_X
ClientSampleId :
VSTD00563

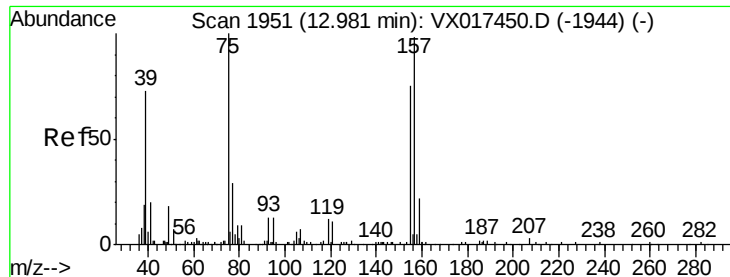
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.7	51.5
148	64.2	44.9	83.5



#66
1,2-Dichlorobenzene
Concen: 5.916 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.8	47.6
148	64.8	51.8	77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 7.091 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTD00563

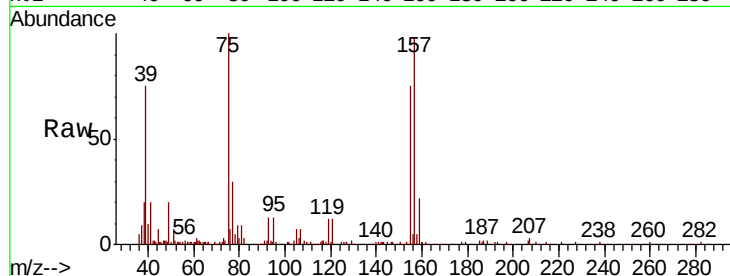
Tot Ion: 75 Resp: 22771

Ion Ratio Lower Upper

75 100

155 74.5 59.6 89.4

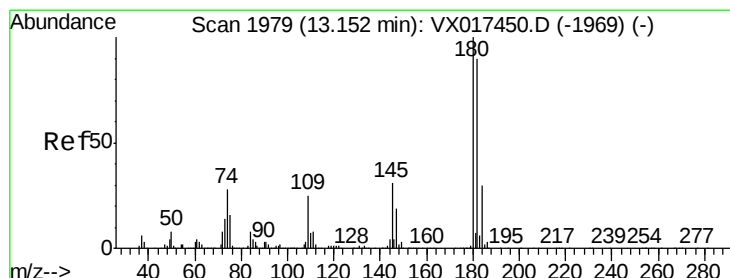
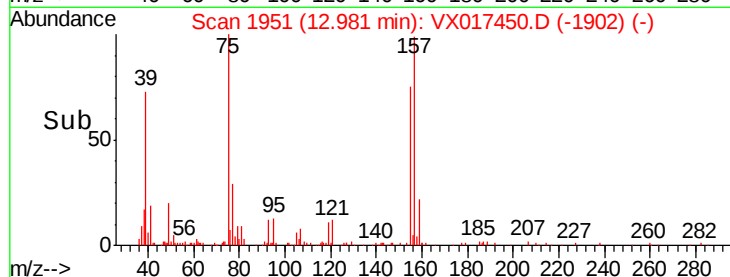
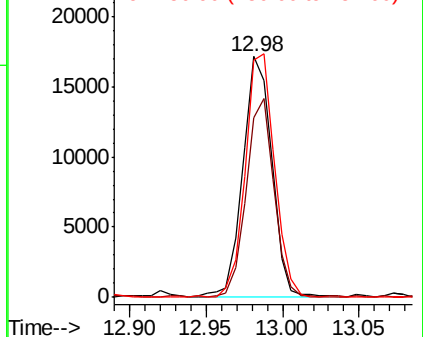
157 98.4 78.7 118.1



Abundance Ion 75.05 (74.75 to 75.75): VX017450.D (-1944) (-)

Ion 154.95 (154.65 to 155.65): VX017450.D (-1944) (-)

Ion 156.90 (156.60 to 157.60): VX017450.D (-1944) (-)



#68

1,3,5-Trichlorobenzene

Concen: 6.662 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX017450.D

Acq: 21 Jul 2020 12:03

Tgt Ion: 180 Resp: 258487

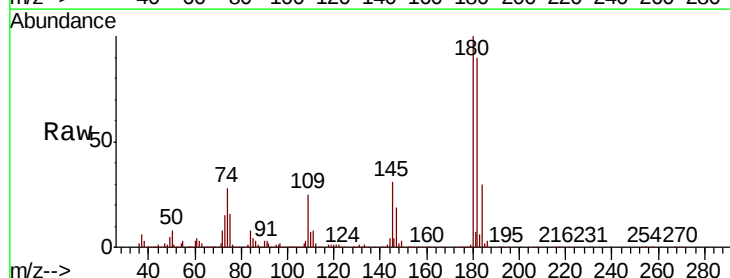
Ion Ratio Lower Upper

180 100

182 92.3 73.8 110.8

184 30.2 24.2 36.2

145 30.5 24.4 36.6

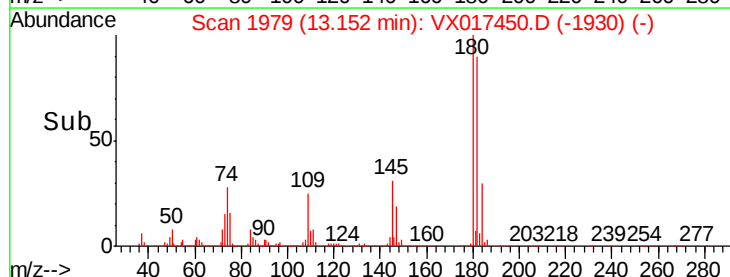
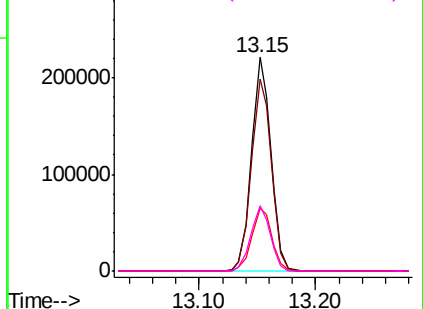


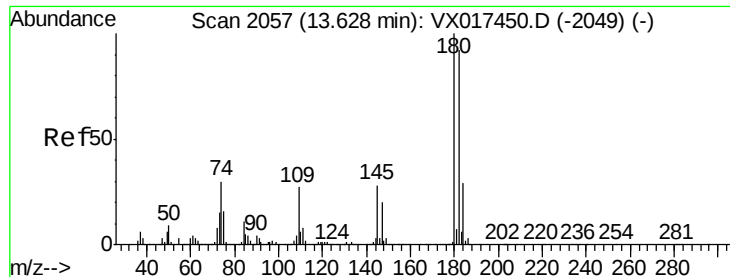
Abundance Ion 180.00 (179.70 to 180.70): VX017450.D (-1969) (-)

Ion 182.00 (181.70 to 182.70): VX017450.D (-1969) (-)

Ion 184.00 (183.70 to 184.70): VX017450.D (-1969) (-)

Ion 145.00 (144.70 to 145.70): VX017450.D (-1969) (-)

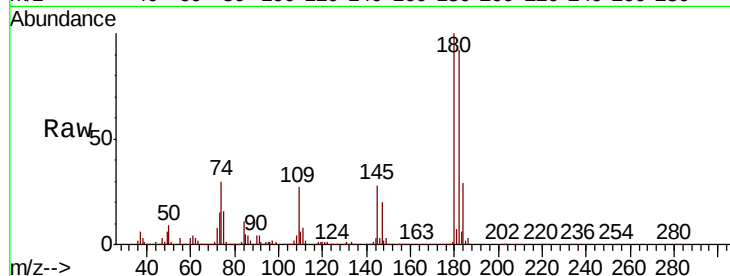




#69
1,2,4-trichlorobenzene
Concen: 5.918 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTD00563

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	30.4	24.3	36.5

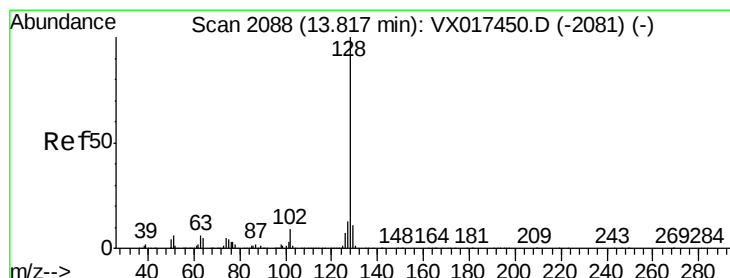
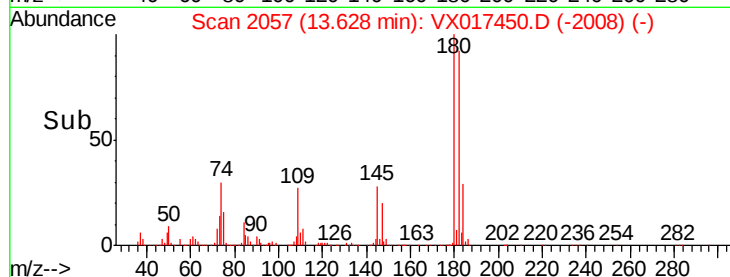
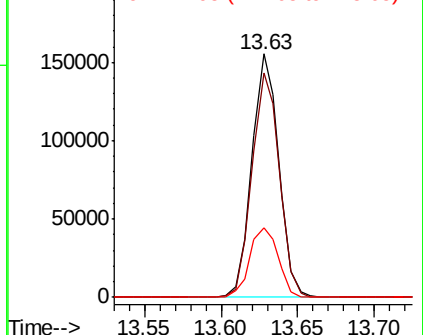


Abundance

Ion 179.90 (179.60 to 180.60): V

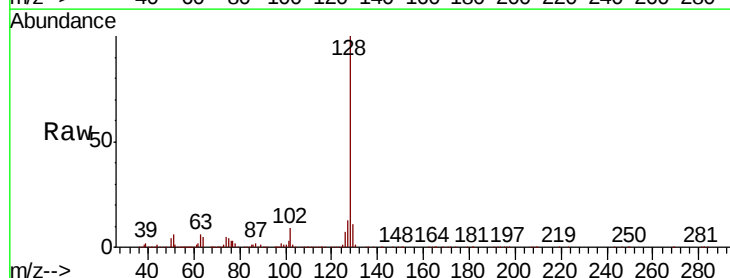
Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70
Naphthalene
Concen: 6.662 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017450.D
Acq: 21 Jul 2020 12:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.2	15.4

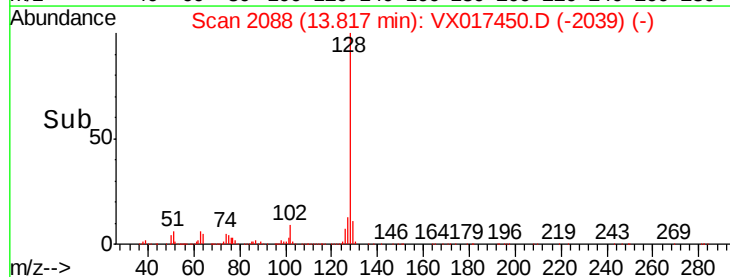
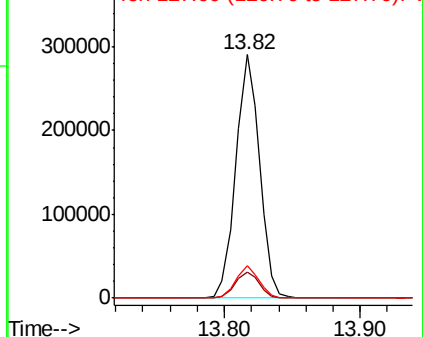


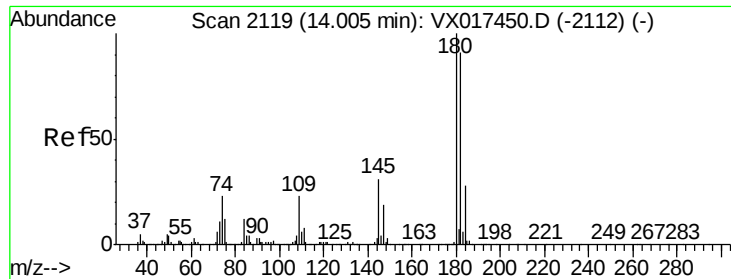
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

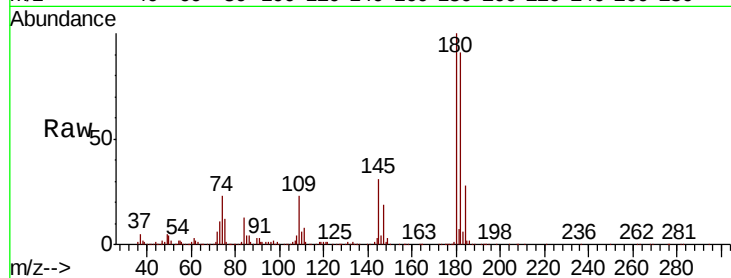




#71
 1,2,3-Trichlorobenzene
 Concen: 6.325 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX017450.D
 Acq: 21 Jul 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00563

Tot Ion:	180	Resp:	182157
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.3	112.9
145	33.6	26.9	40.3



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

