

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\
 Data File : VX017452.D
 Acq On : 21 Jul 2020 12:51
 Operator : JC/SP
 Sample : VSTD02065
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

Quant Time: Jul 22 05:37:25 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	384571	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	357212	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	185587	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	596049	25.89	ug/L	0.00
7) Chloroethane-d5	1.68	69	364775	18.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	1182893	24.46	ug/L	0.00
20) 2-Butanone-d5	4.53	46	1233255	203.77	ug/L	0.00
24) Chloroform-d	5.14	84	965124	20.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	521184	19.42	ug/L	0.00
32) Benzene-d6	6.05	84	1784346	20.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	532044	20.69	ug/L	0.00
41) Toluene-d8	8.70	98	1703576	20.91	ug/L	0.00
45) trans-1,3-Dichloropropene-	8.99	79	259210	24.80	ug/L	0.00
48) 2-Hexanone-d5	9.43	63	963193	218.78	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	11.23	84	438367	23.39	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	12.36	152	635530	20.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	958104	29.566	ug/L 99
3) Chloromethane	1.31	50	771975	24.286	ug/L 98
5) Vinyl chloride	1.39	62	792812	25.787	ug/L 99
6) Bromomethane	1.64	94	393911	23.251	ug/L 99
8) Chloroethane	1.70	64	397219	18.878	ug/L 99
9) Trichlorofluoromethane	1.91	101	1162276	27.095	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	610603	25.303	ug/L 98
12) 1,1-Dichloroethene	2.36	96	575639	25.397	ug/L 88
13) Acetone	2.43	43	925787	223.913	ug/L 99
14) Carbon disulfide	2.55	76	1801528	23.854	ug/L 99
15) Methyl Acetate	2.75	43	246874	25.139	ug/L 99
16) Methylene chloride	2.83	84	554452	20.594	ug/L 92
17) Methyl tert-butyl Ether	3.17	73	1438746	24.759	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	572894	23.217	ug/L 98
19) 1,1-Dichloroethane	3.67	63	1041689	22.287	ug/L 97
21) 2-Butanone	4.64	43	1579259	244.796	ug/L 98
22) cis-1,2-Dichloroethene	4.56	96	602679	23.102	ug/L # 98
23) Bromochloromethane	4.98	128	284715	25.295	ug/L 94
25) Chloroform	5.18	83	1080086	21.219	ug/L 96
27) 1,2-Dichloroethane	6.16	62	723521	22.592	ug/L 95
29) 1,1,1-Trichloroethane	5.46	97	1036753	25.063	ug/L 98
30) Cyclohexane	5.54	56	938501	23.269	ug/L 99
31) Carbon tetrachloride	5.76	117	964165	26.660	ug/L 98
33) Benzene	6.11	78	2213005	23.629	ug/L 100
34) Trichloroethene	7.19	95	610255	23.288	ug/L 93
35) Methylcyclohexane	7.44	83	949815	24.189	ug/L 97
37) 1,2-Dichloropropane	7.49	63	555263	22.972	ug/L 98
38) Bromodichloromethane	7.88	83	768661	25.545	ug/L 99
39) cis-1,3-Dichloropropene	8.42	75	868135	25.856	ug/L 97
40) 4-Methyl-2-pentanone	8.62	43	3682849	249.431	ug/L # 96

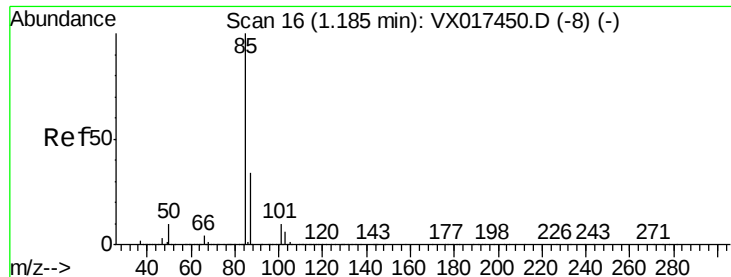
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 05:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	2380810	24.326	ug/L	100
43) 1,3,5-Trimethylbenzene	11.49	105	2290025	25.471	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	2301481	25.921	ug/L	100
46) trans-1,3-Dichloropropene	9.02	75	785318	27.609	ug/L	98
47) 1,1,2-Trichloroethane	9.20	97	390630	24.550	ug/L	97
49) Tetrachloroethene	9.32	164	514706	27.271	ug/L	98
50) 2-Hexanone	9.48	43	2777795	267.234	ug/L #	88
51) Dibromochloromethane	9.57	129	563096	30.473	ug/L	99
52) 1,2-Dibromoethane	9.65	107	428918	29.150	ug/L	100
53) Chlorobenzene	10.12	112	1533846	24.070	ug/L	100
54) Ethylbenzene	10.23	91	2670979	24.043	ug/L	97
55) m,p-xylene	10.34	106	1126607	27.044	ug/L	99
56) o-xylene	10.68	106	1025112	25.802	ug/L	98
57) Styrene	10.70	104	1730073	25.975	ug/L	97
58) Isopropylbenzene	11.00	105	2722359	25.156	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.25	83	502662	28.322	ug/L	93
62) Bromoform	10.84	173	336922	33.462	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	1248577	23.995	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	1249459	23.890	ug/L	99
66) 1,2-Dichlorobenzene	12.38	146	1201146	25.451	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.98	75	98244	29.859	ug/L	95
68) 1,3,5-Trichlorobenzene	13.15	180	1133758	28.520	ug/L	98
69) 1,2,4-trichlorobenzene	13.63	180	876184	26.631	ug/L	99
70) Naphthalene	13.82	128	1653613	30.512	ug/L	100
71) 1,2,3-Trichlorobenzene	14.01	180	858972	29.109	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 29.566 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

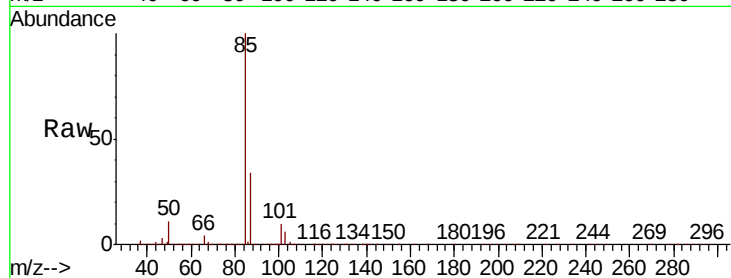
VSTD02065

Tot Ion: 85 Resp: 958104

Ion Ratio Lower Upper

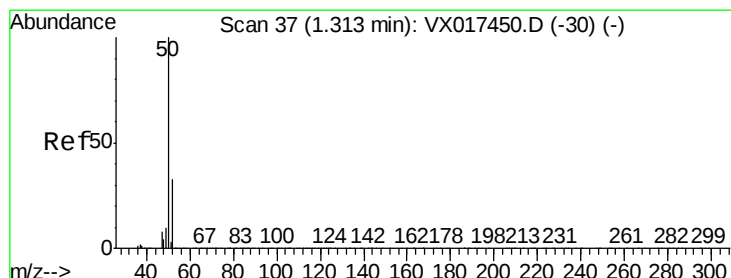
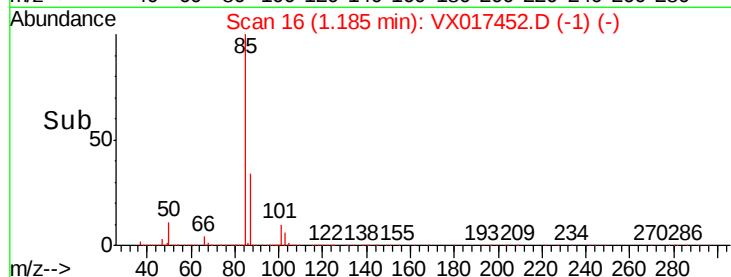
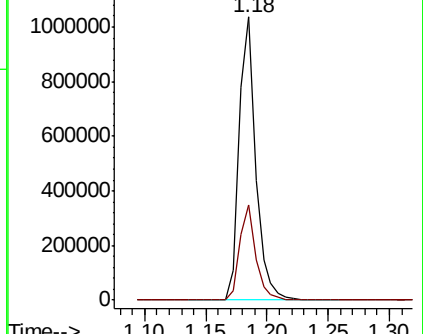
85 100

87 32.9 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: 24.286 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017452.D

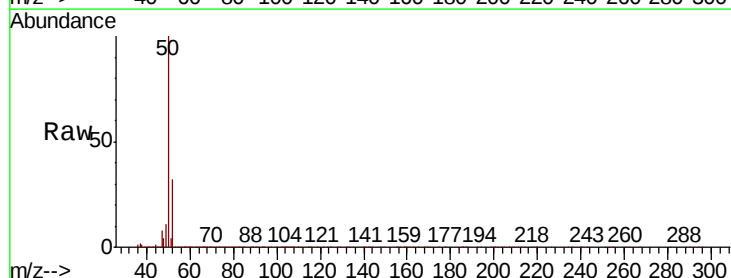
Acq: 21 Jul 2020 12:51

Tgt Ion: 50 Resp: 771975

Ion Ratio Lower Upper

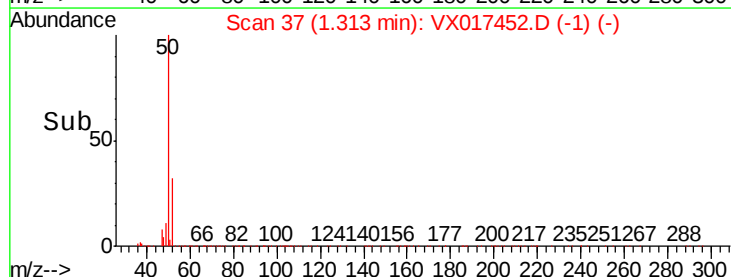
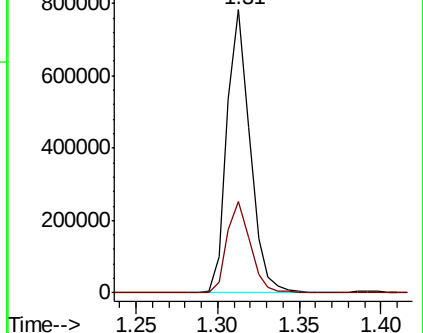
50 100

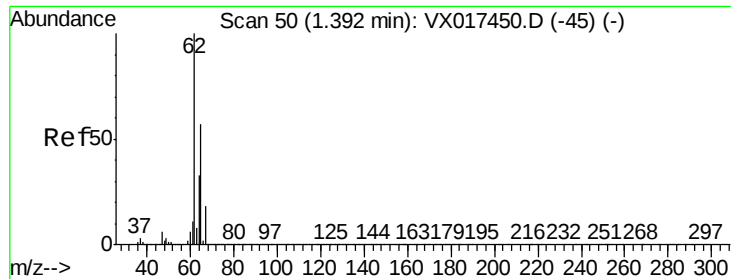
52 32.1 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 25.787 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

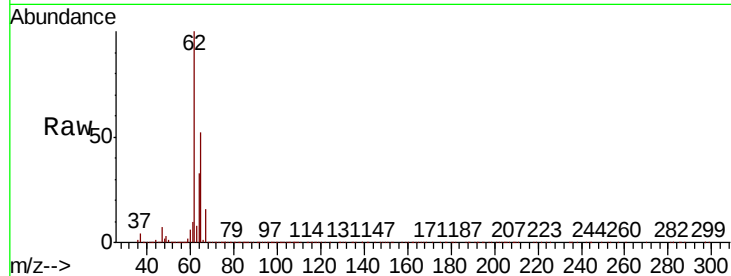
VSTD02065

Tot Ion: 62 Resp: 792812

Ion Ratio Lower Upper

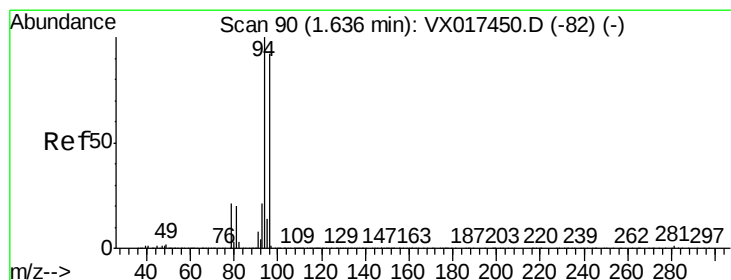
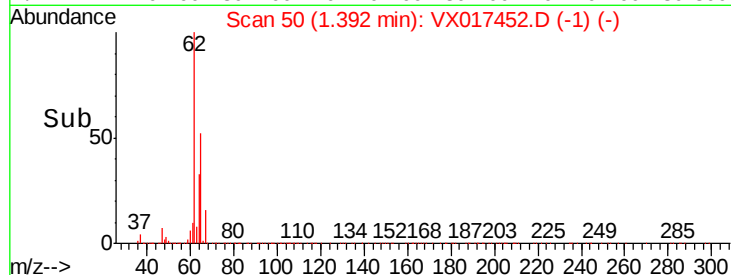
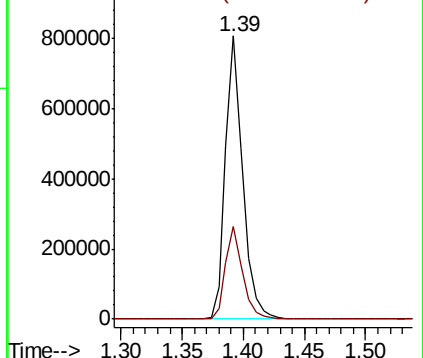
62 100

64 32.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 23.251 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX017452.D

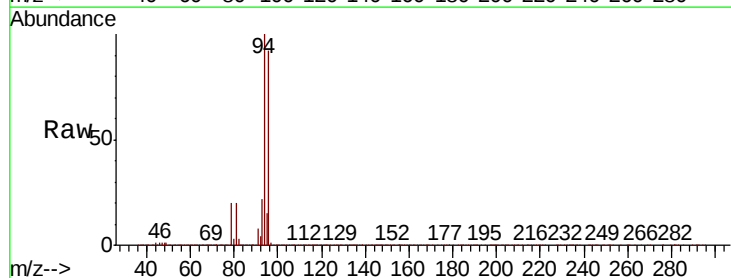
Acq: 21 Jul 2020 12:51

Tgt Ion: 94 Resp: 393911

Ion Ratio Lower Upper

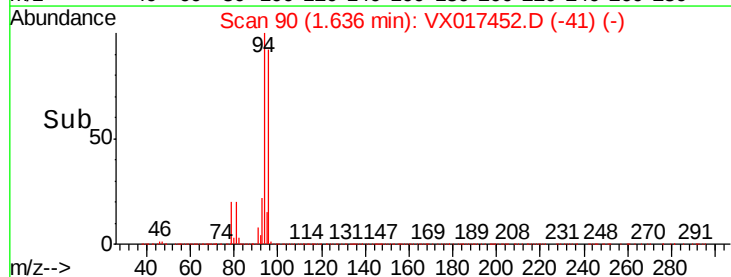
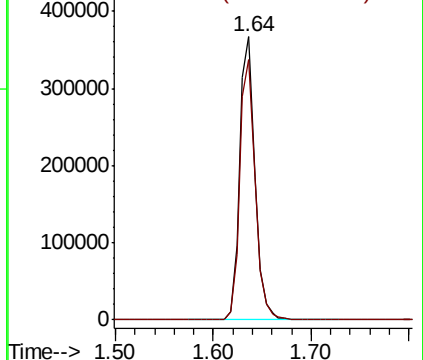
94 100

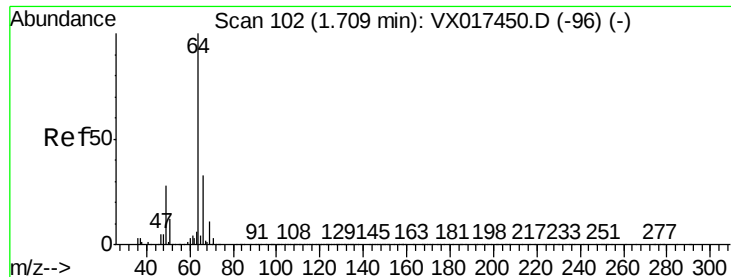
96 91.9 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

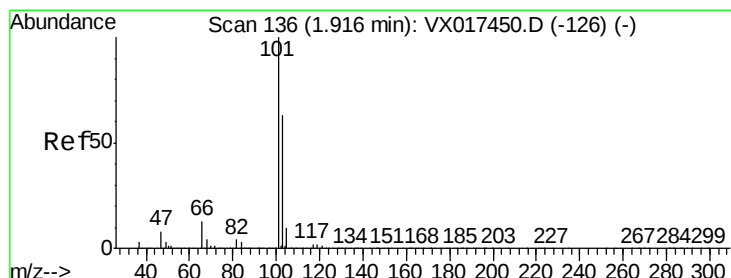
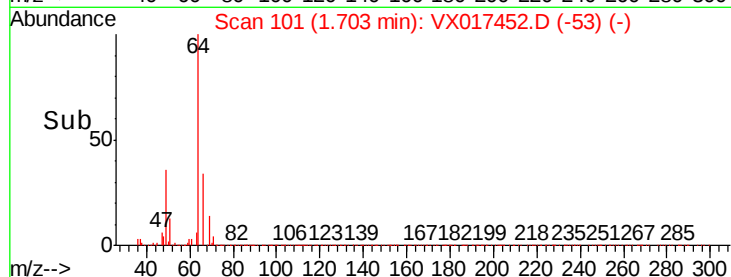
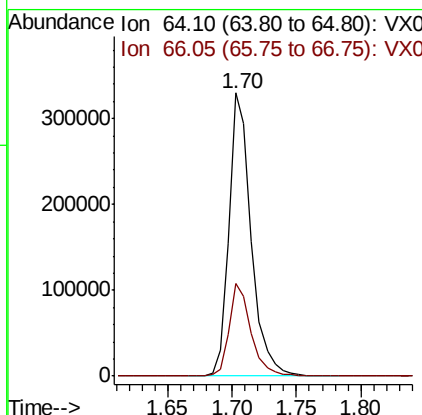
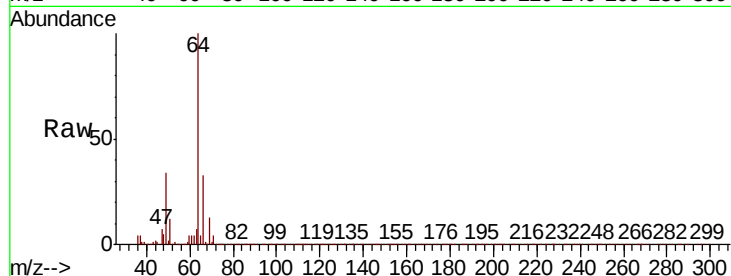




#8
Chloroethane
Concen: 18.878 ug/L
RT: 1.70 min Scan# 101
Delta R.T. -0.01 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

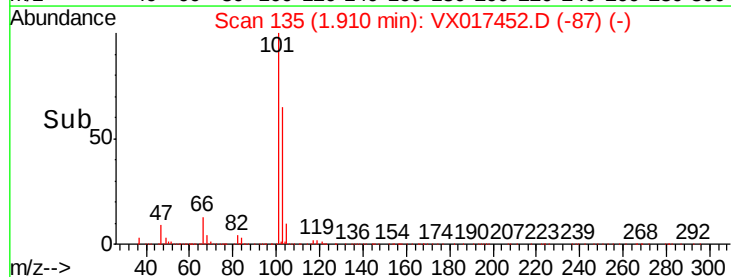
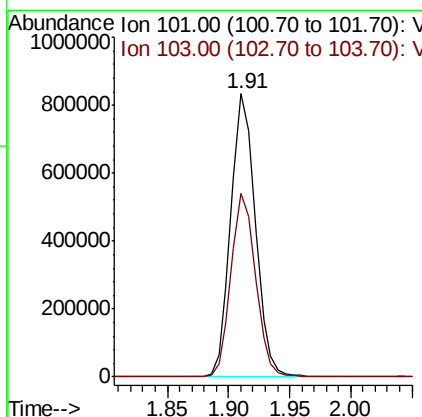
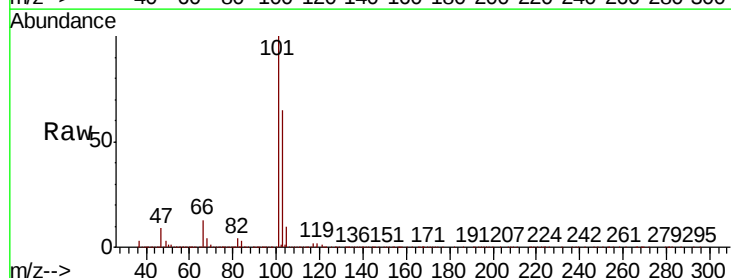
Instrument :
MSVOA_X
ClientSampleId :
VSTD02065

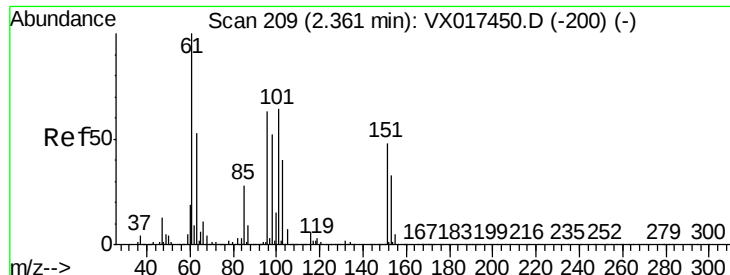
Tot Ion: 64 Resp: 397219
Ion Ratio Lower Upper
64 100
66 32.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 27.095 ug/L
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Tgt Ion: 101 Resp: 1162276
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2





#10

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

Concen: 25.303 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD02065

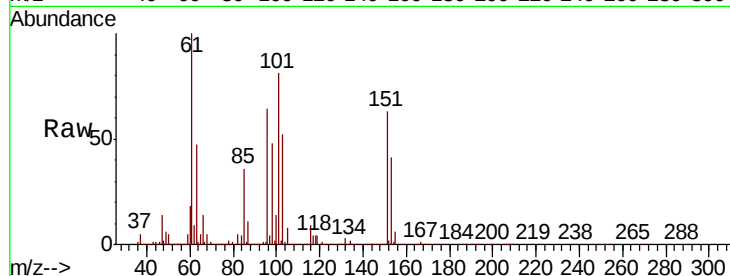
Tot Ion:101 Resp: 610603

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

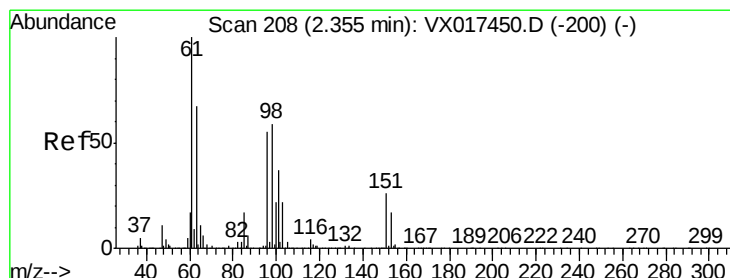
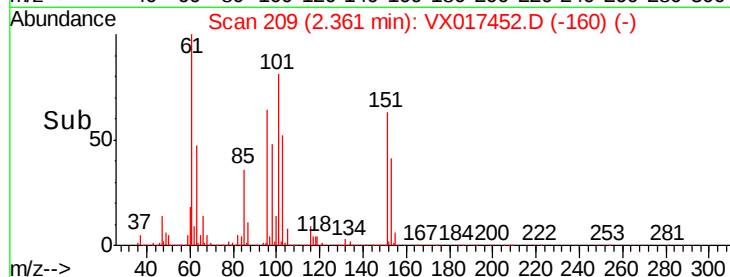
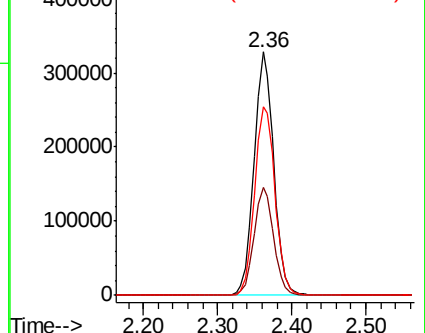
151 80.6 62.3 93.5



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: 25.397 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

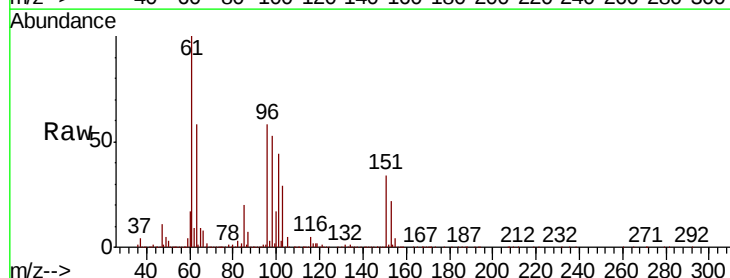
Tgt Ion: 96 Resp: 575639

Ion Ratio Lower Upper

96 100

61 171.0 126.5 234.9

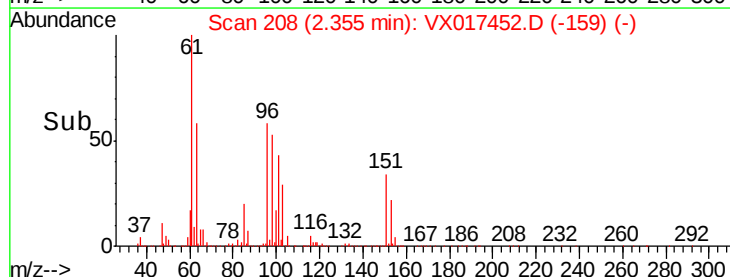
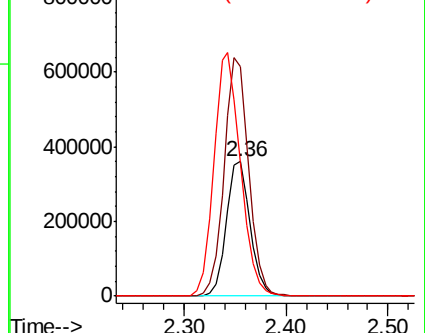
63 99.1 85.6 159.0

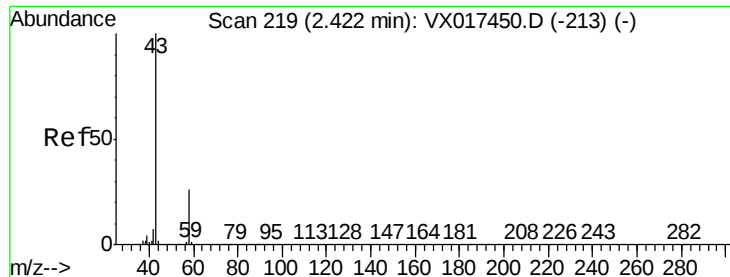


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 223.913 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

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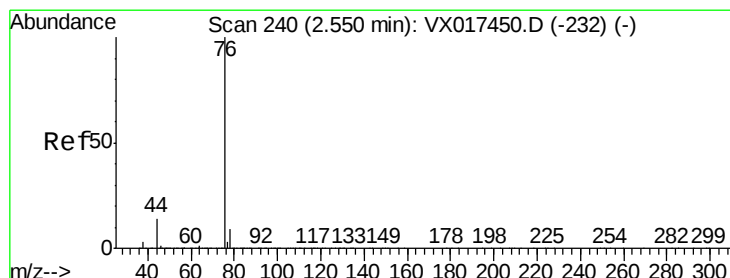
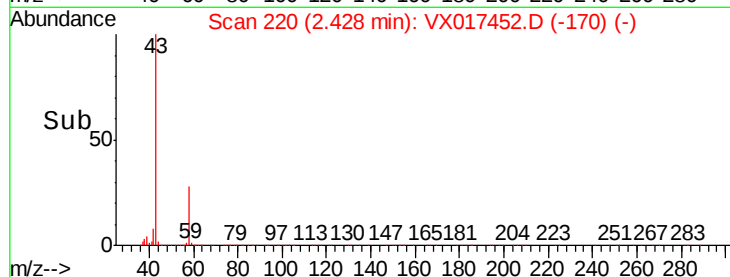
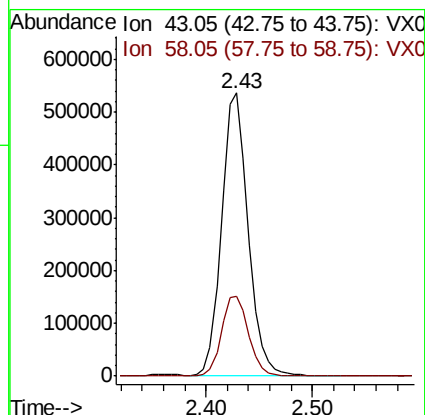
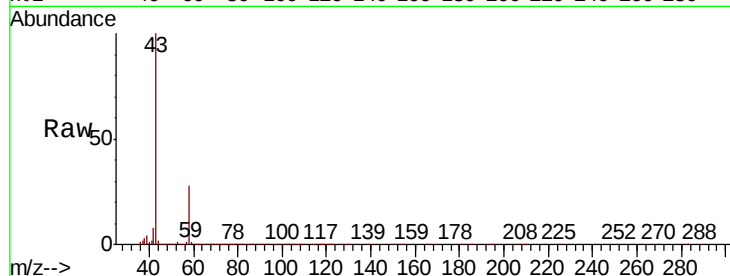
VSTD02065

Tot Ion: 43 Resp: 925787

Ion Ratio Lower Upper

43 100

58 28.9 0.0 58.6



#14

Carbon disulfide

Concen: 23.854 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017452.D

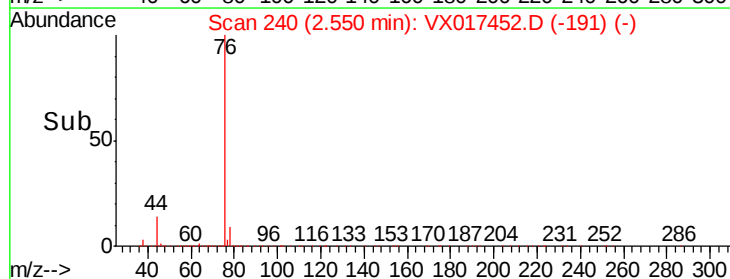
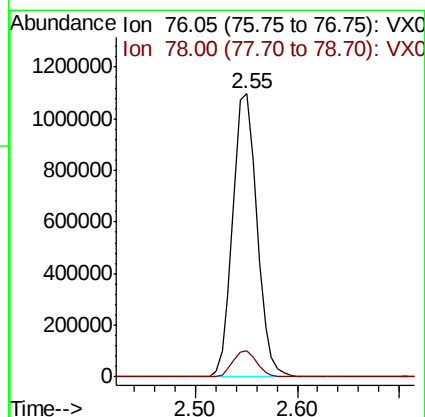
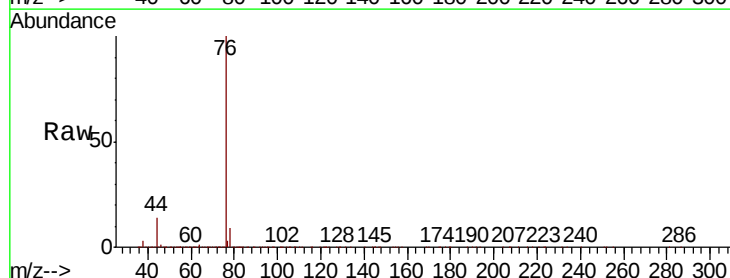
Acq: 21 Jul 2020 12:51

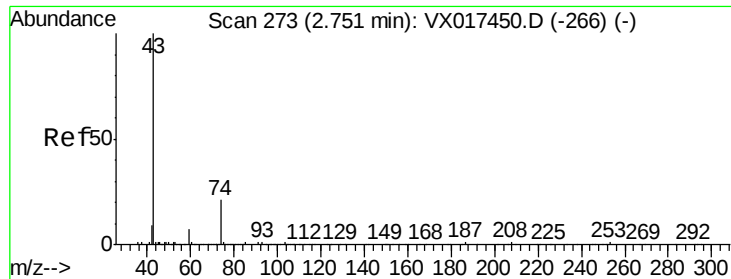
Tgt Ion: 76 Resp: 1801528

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

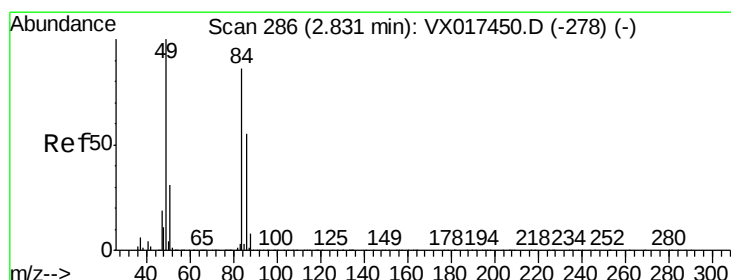
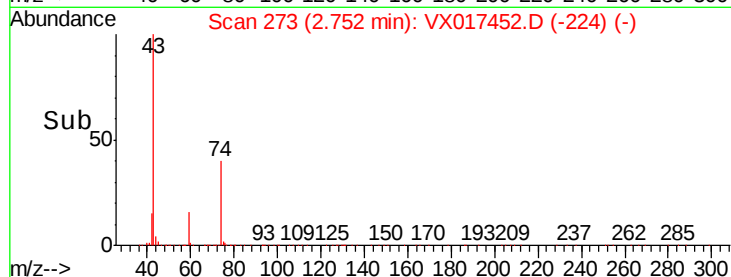
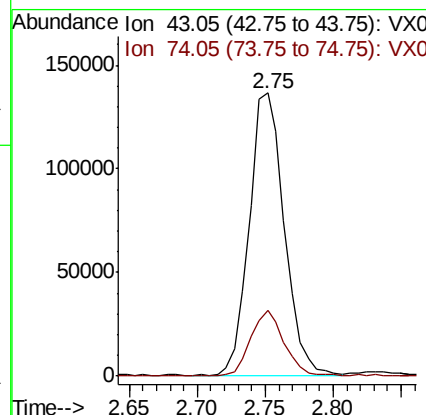
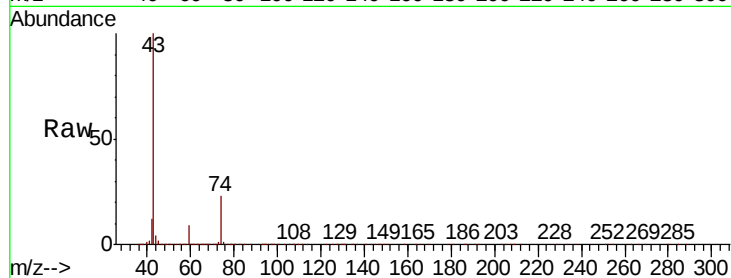




#15
Methyl Acetate
Concen: 25.139 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

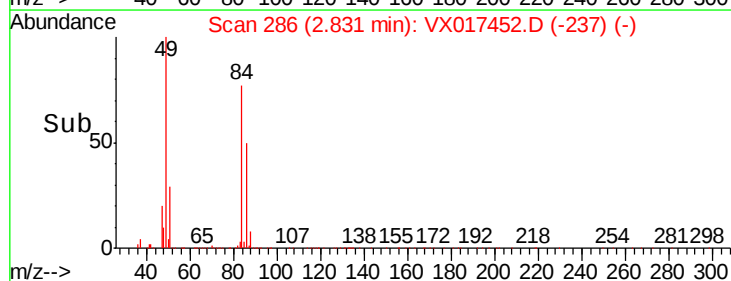
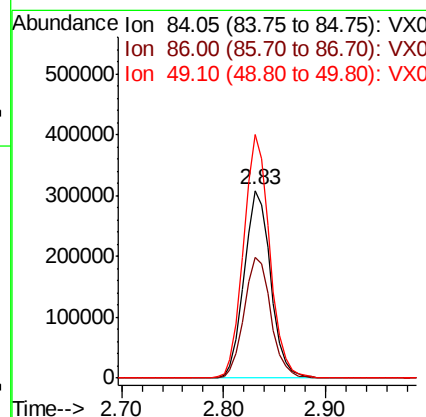
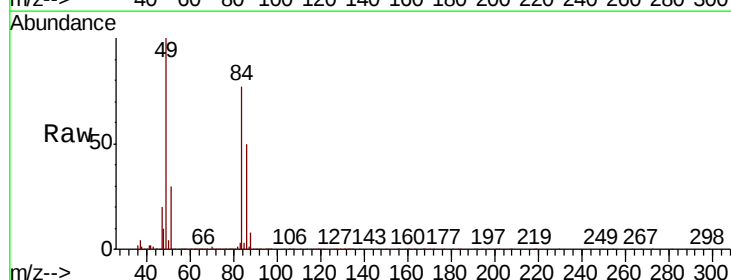
Instrument :
MSVOA_X
ClientSampled :
VSTD02065

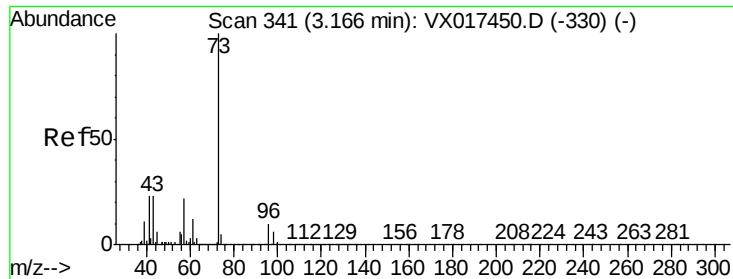
Tot Ion: 43 Resp: 246874
Ion Ratio Lower Upper
43 100
74 22.3 17.6 26.4



#16
Methylene chloride
Concen: 20.594 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Tgt Ion: 84 Resp: 554452
Ion Ratio Lower Upper
84 100
86 64.5 44.8 83.2
49 129.6 81.0 150.4

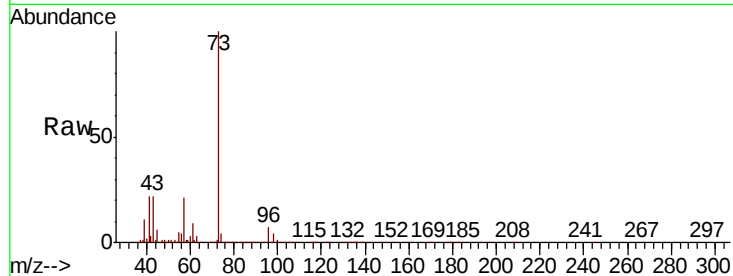




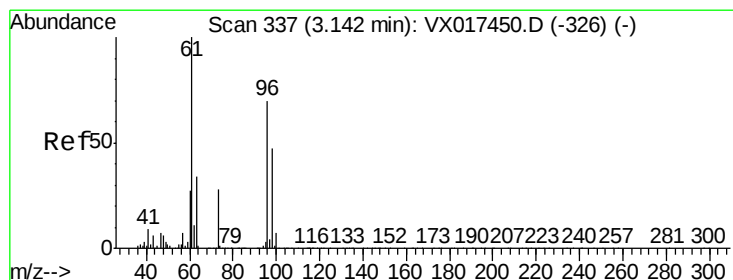
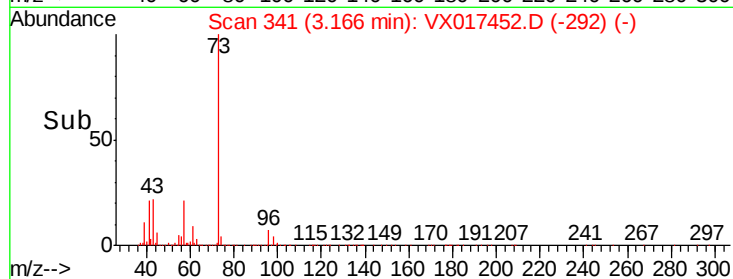
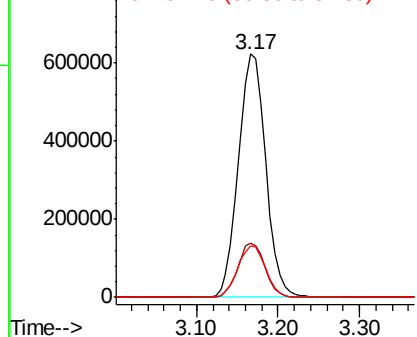
#17
Methvl tert-butvl Ether
Concen: 24.759 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTD02065

Tot Ion: 73 Resp: 1438746
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.6
57 21.6 17.8 26.8

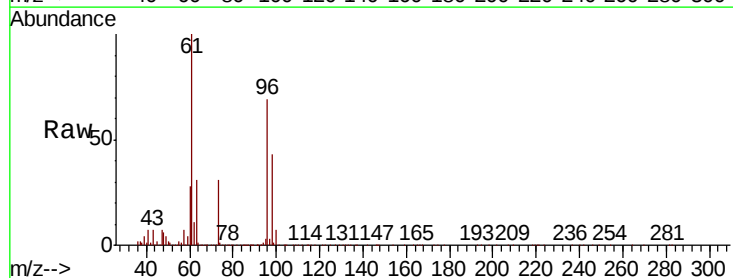


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

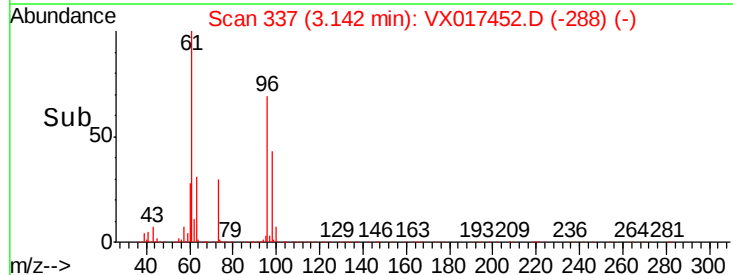
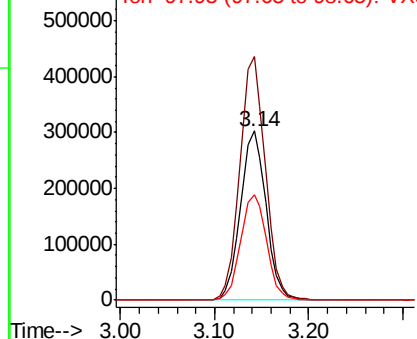


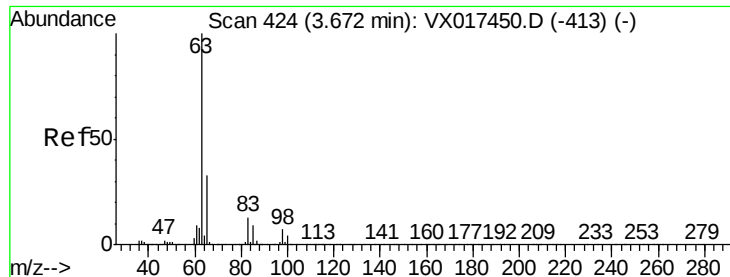
#18
trans-1,2-Dichloroethene
Concen: 23.217 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Tgt Ion: 96 Resp: 572894
Ion Ratio Lower Upper
96 100
61 144.3 99.8 185.4
98 62.4 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



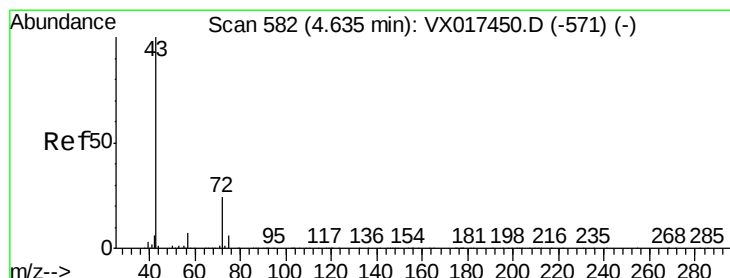
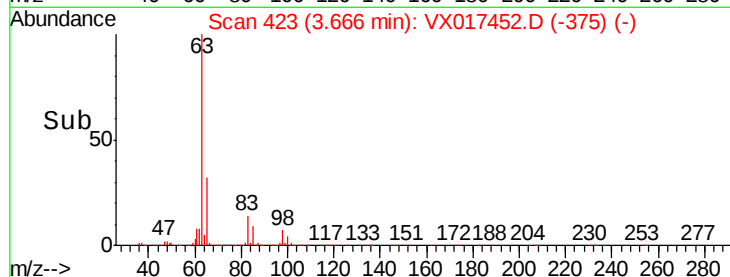
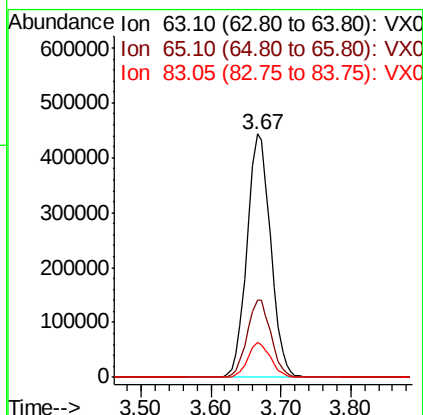
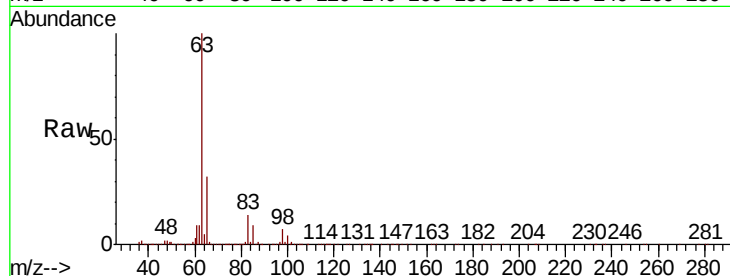


#19
 1,1-Dichloroethane
 Concen: 22.287 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

Tot Ion: 63 Resp: 1041689

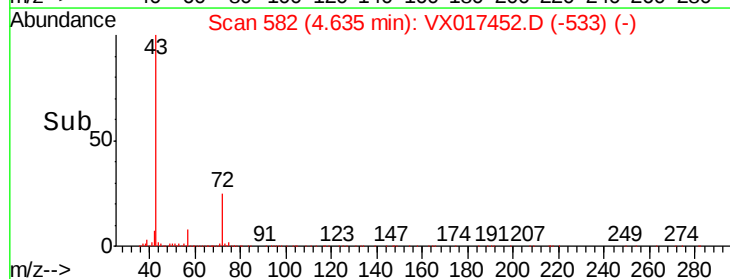
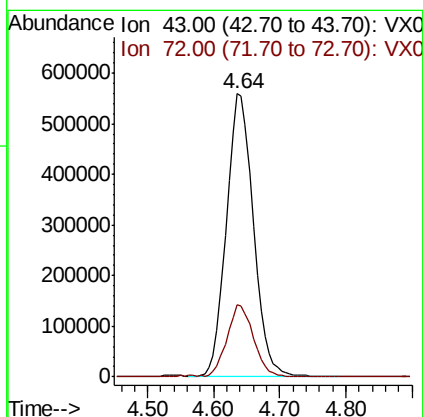
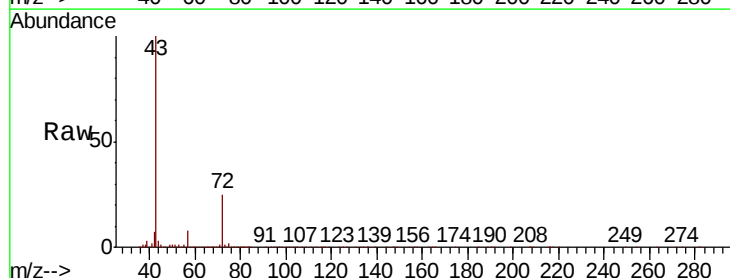
Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.2	43.2
83	14.4	9.4	17.4

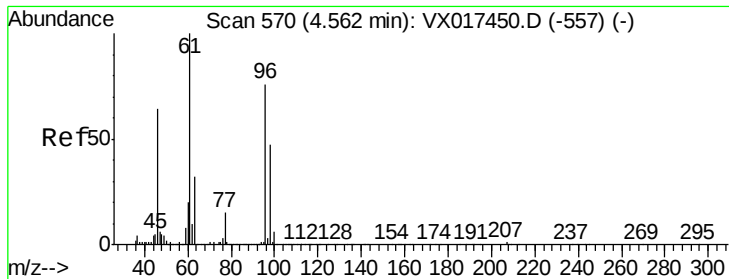


#21
 2-Butanone
 Concen: 244.796 ug/L
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion: 43 Resp: 1579259

Ion	Ratio	Lower	Upper
43	100		
72	25.0	12.1	36.3



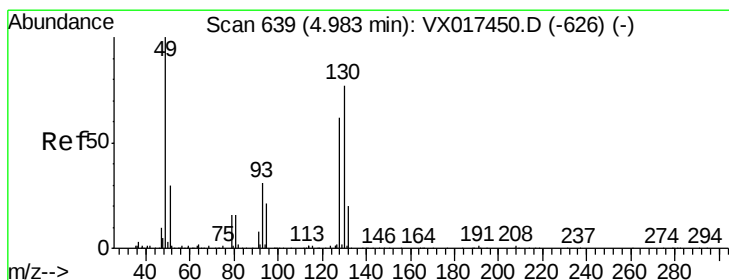
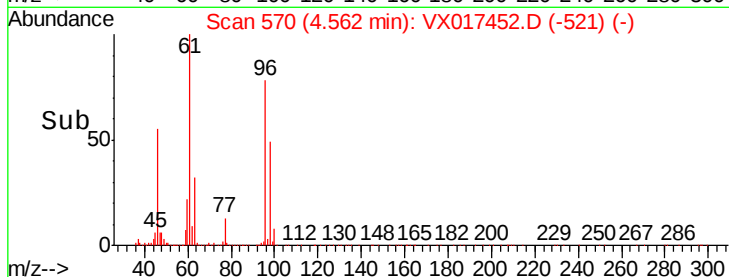
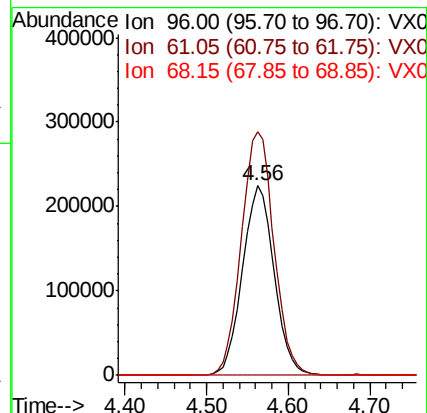
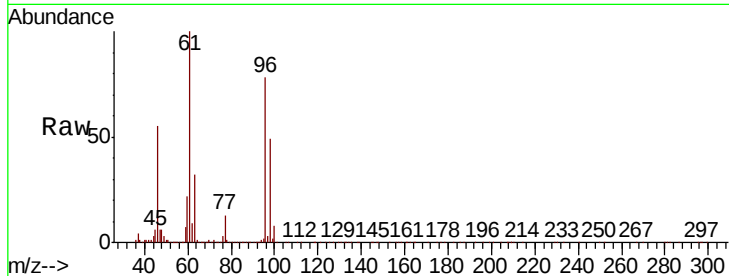


#22

cis-1,2-Dichloroethene
 Concen: 23.102 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

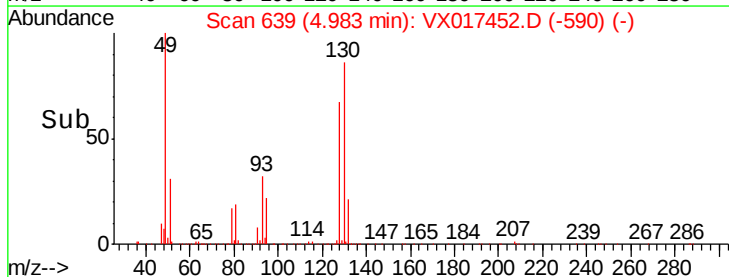
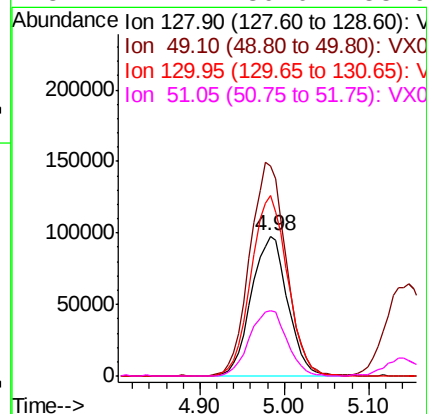
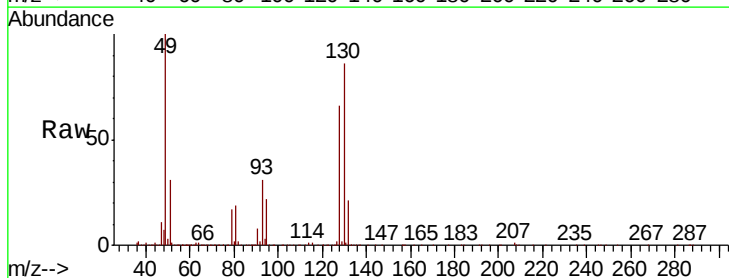
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	91.6	170.2
68	0.1	0.0	0.0#

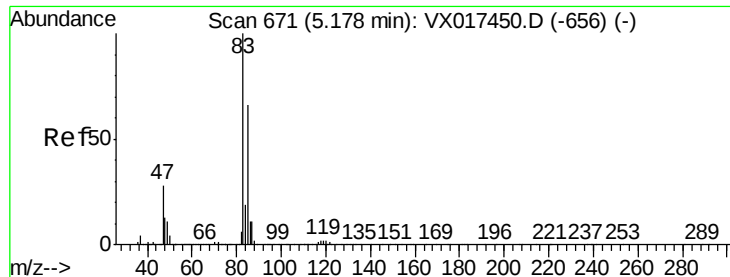


#23

Bromochloromethane
 Concen: 25.295 ug/L
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion	Ratio	Lower	Upper
128	100		
49	150.4	113.3	210.3
130	129.2	87.3	162.1
51	47.1	39.0	58.6





#25

Chloroform

Concen: 21.219 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

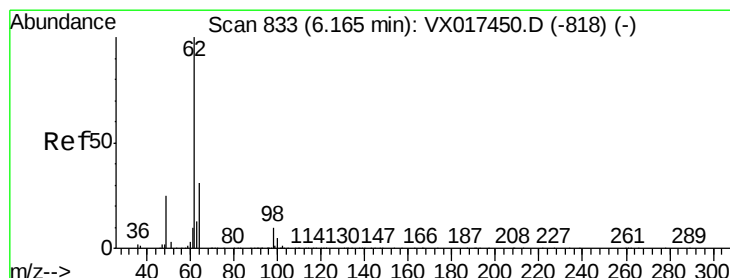
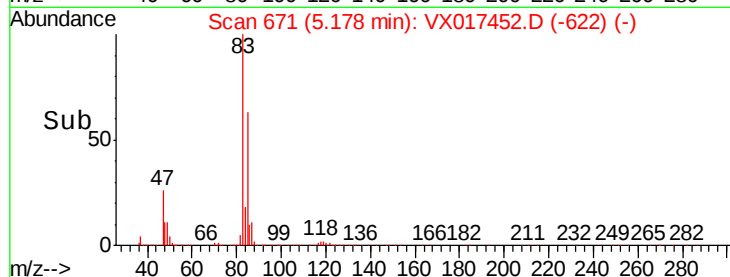
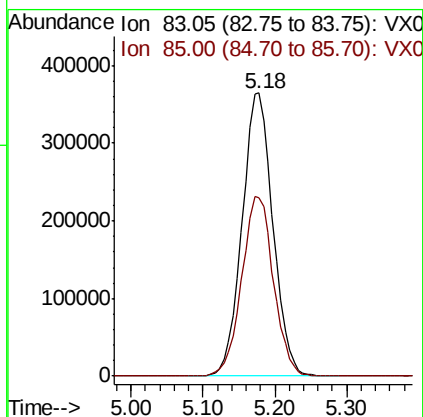
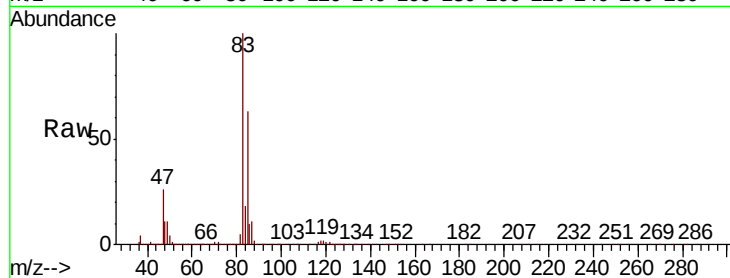
VSTD02065

Tot Ion: 83 Resp: 1080086

Ion Ratio Lower Upper

83 100

85 63.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 22.592 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017452.D

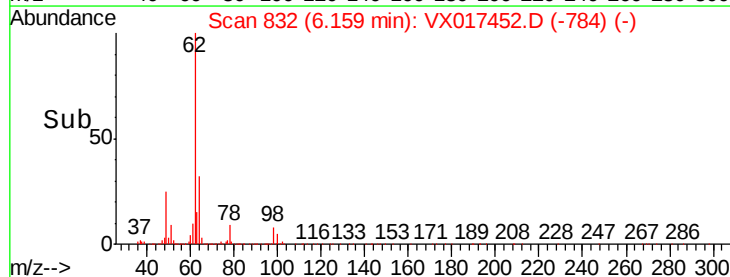
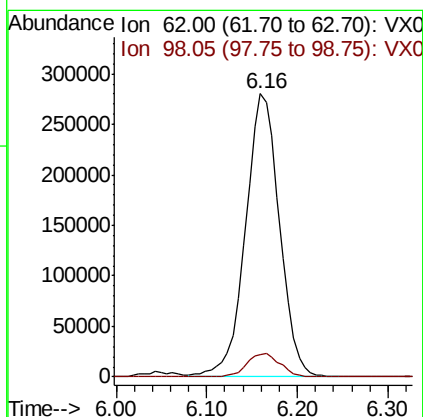
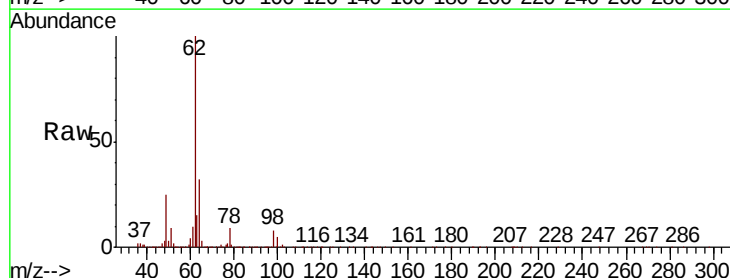
Acq: 21 Jul 2020 12:51

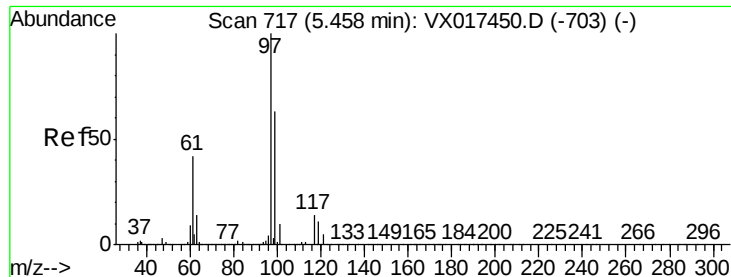
Tgt Ion: 62 Resp: 723521

Ion Ratio Lower Upper

62 100

98 7.7 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 25.063 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD02065

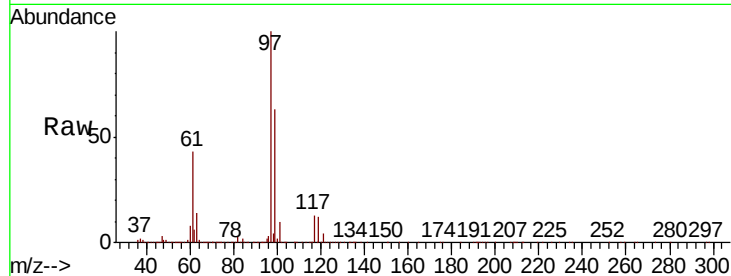
Tot Ion: 97 Resp: 1036753

Ion Ratio Lower Upper

97 100

99 63.6 53.0 79.4

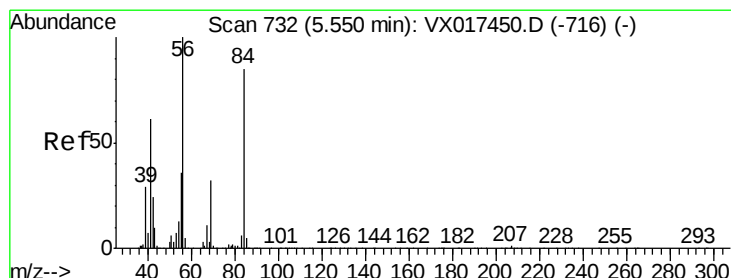
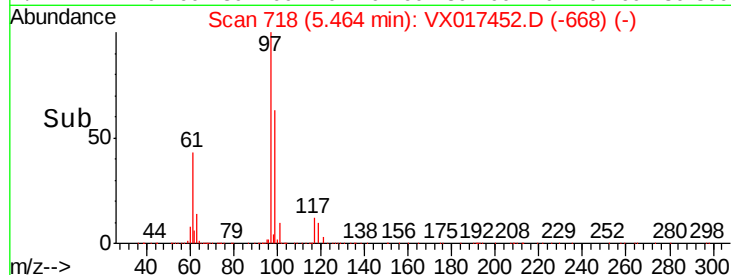
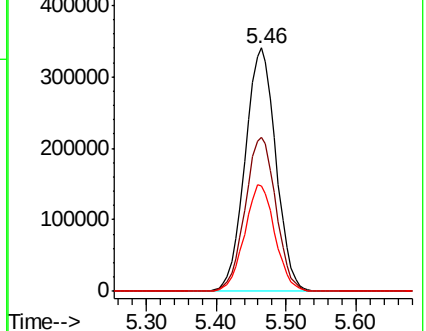
61 43.2 35.2 52.8



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30

Cyclohexane

Concen: 23.269 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

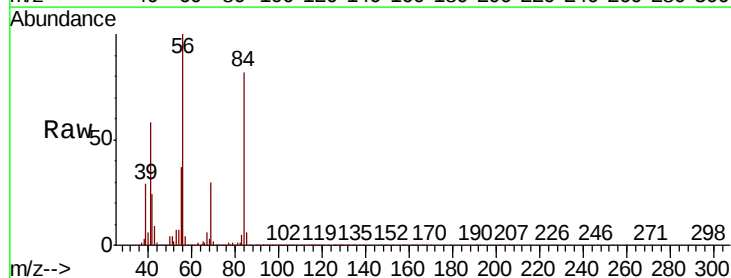
Tgt Ion: 56 Resp: 938501

Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.2

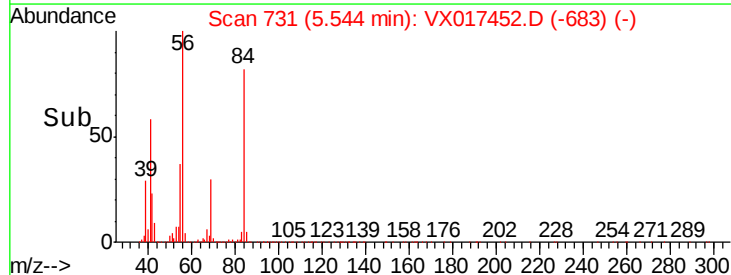
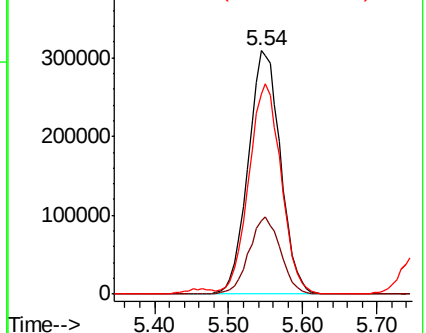
84 86.7 69.3 103.9

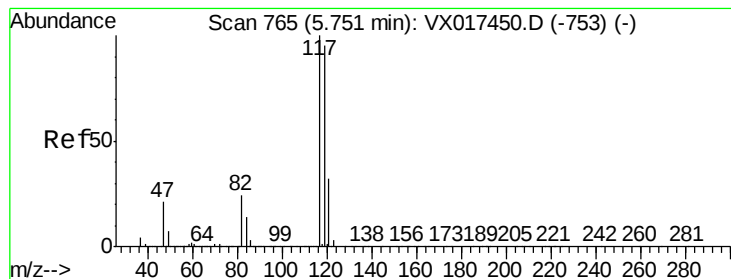


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 26.660 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

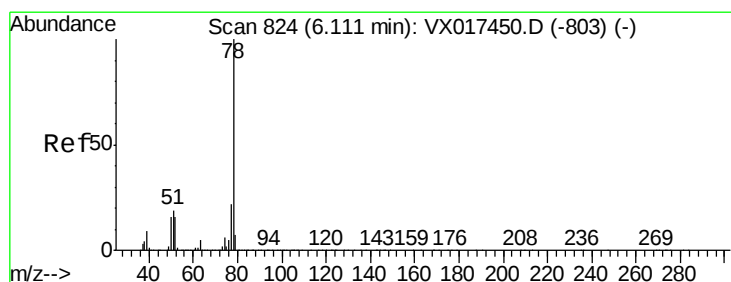
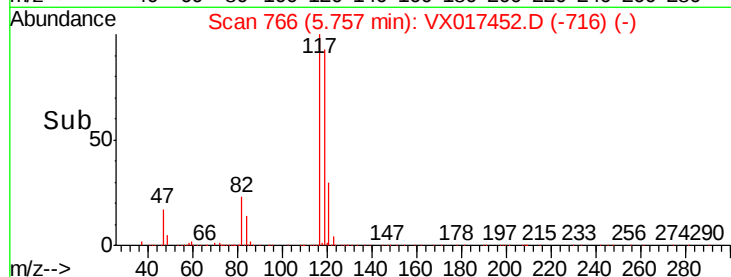
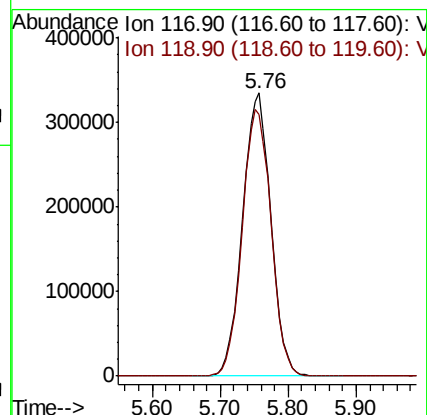
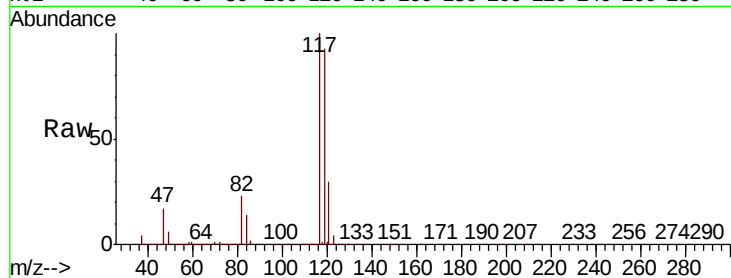
VSTD02065

Tot Ion:117 Resp: 964165

Ion Ratio Lower Upper

117 100

119 96.3 78.5 117.7



#33

Benzene

Concen: 23.629 ug/L

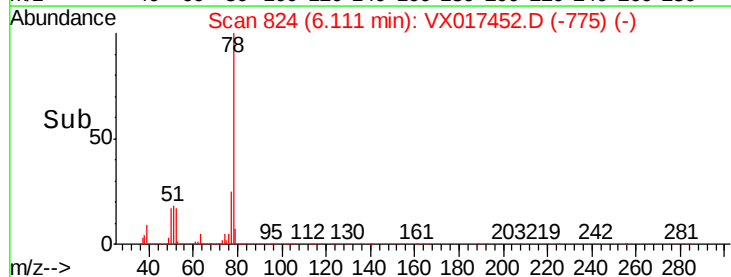
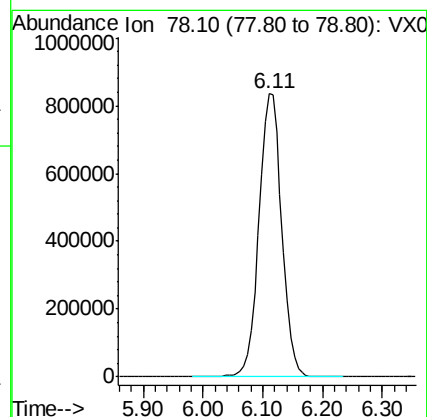
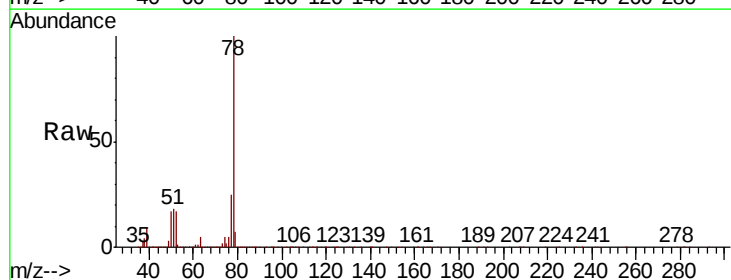
RT: 6.11 min Scan# 824

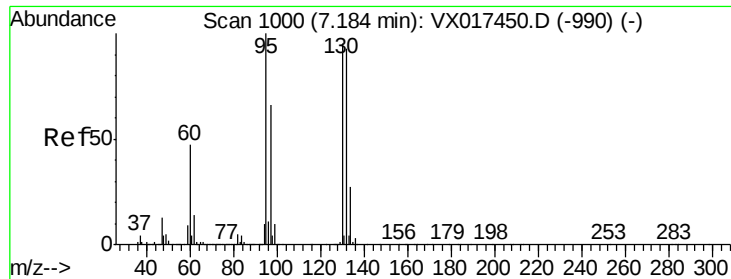
Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Tgt Ion: 78 Resp: 2213005

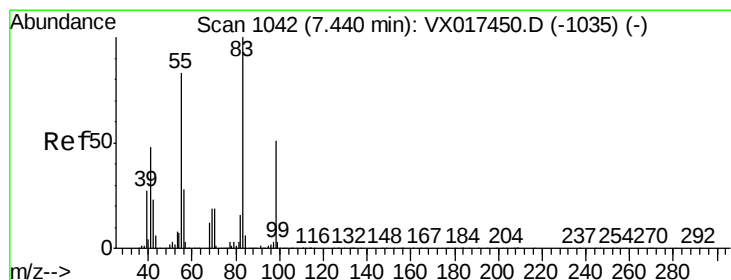
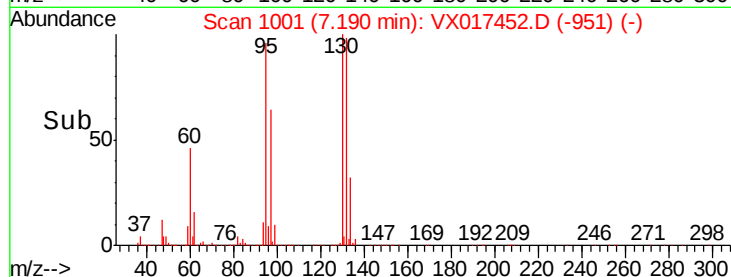
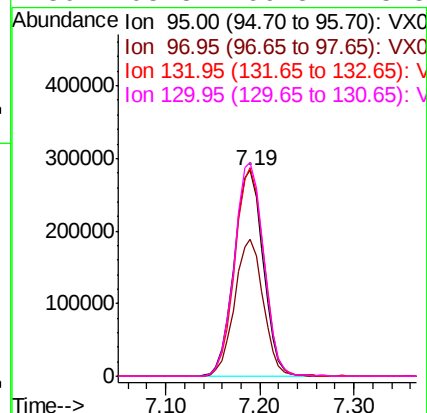
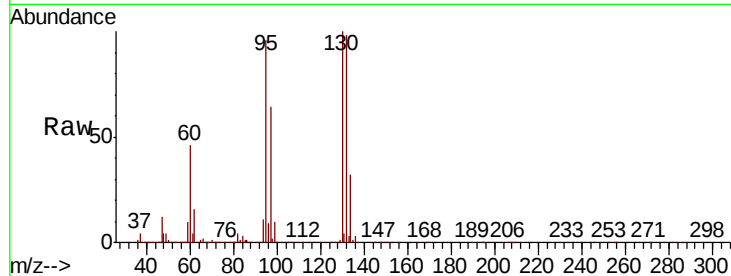




#34
 Trichloroethene
 Concen: 23.288 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

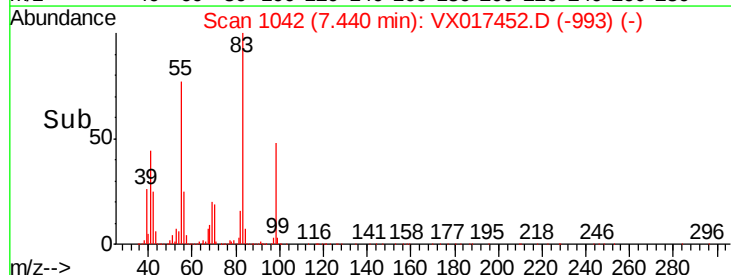
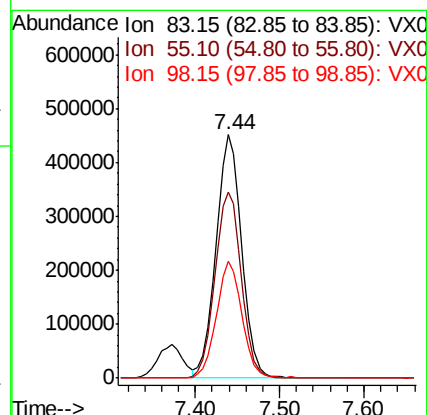
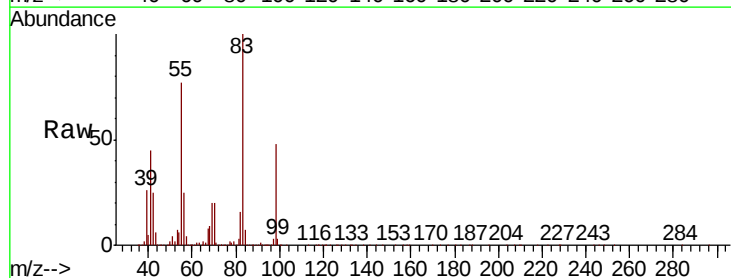
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

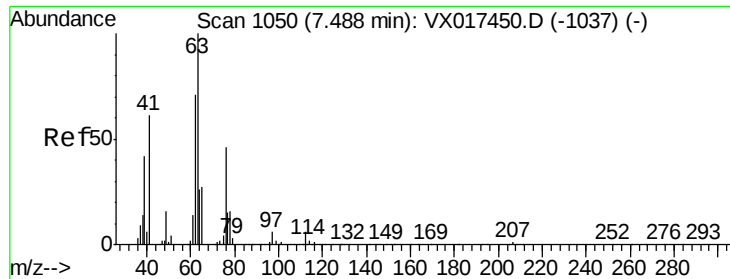
Tot Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.9	85.3
132	101.3	65.5	121.7
130	103.8	66.5	123.5



#35
 Methylcyclohexane
 Concen: 24.189 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.4	98.2
98	47.8	39.8	59.8

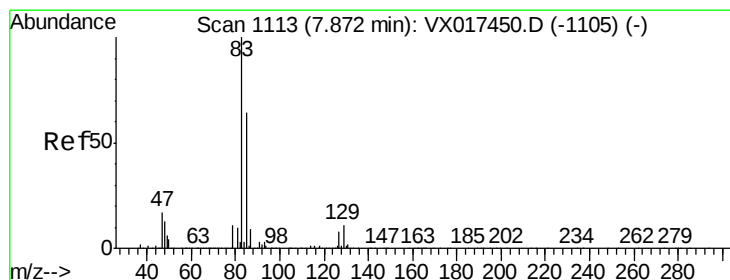
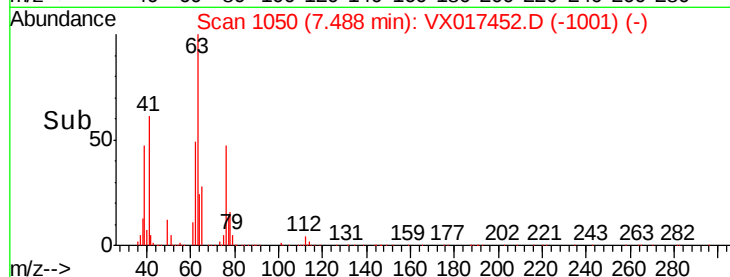
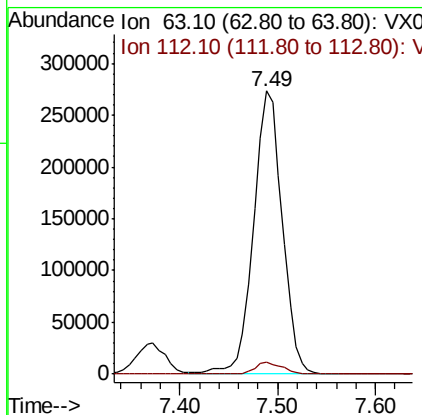
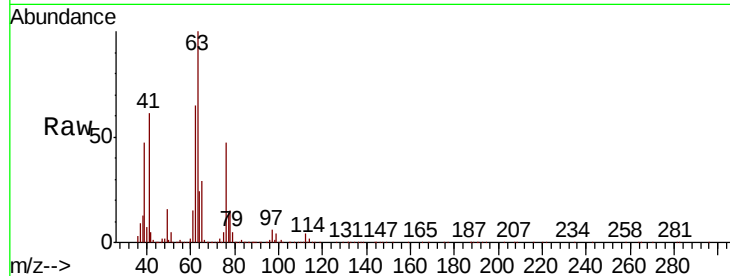




#37
 1,2-Dichloropropane
 Concen: 22.972 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

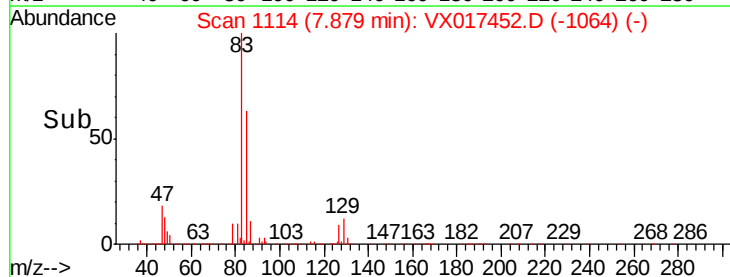
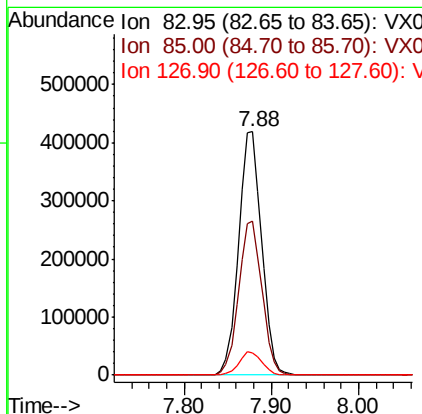
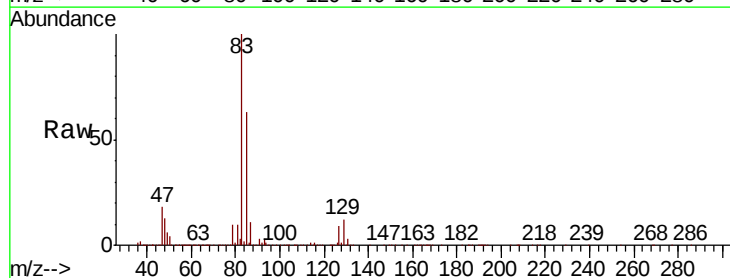
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

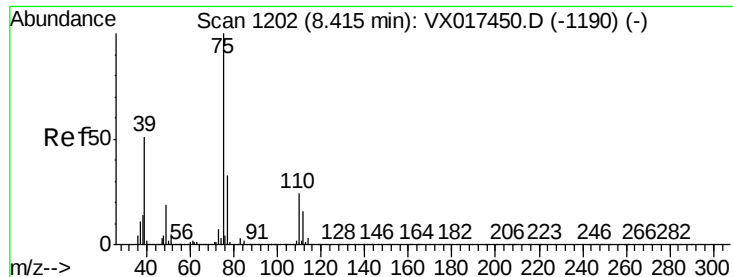
Tot Ion: 63 Resp: 555263
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 25.545 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion: 83 Resp: 768661
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 83.1
 127 9.3 6.3 9.5

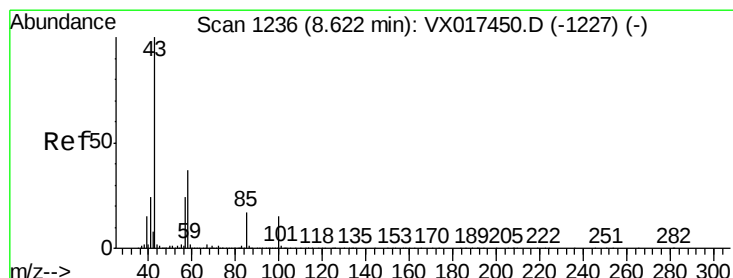
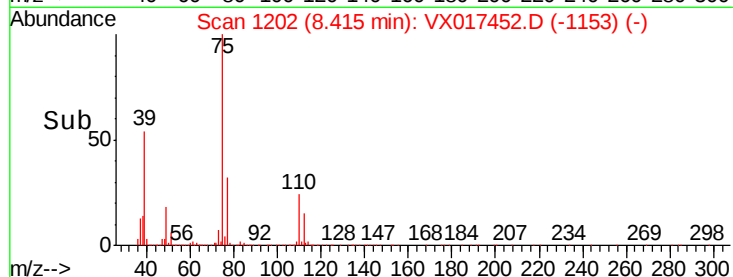
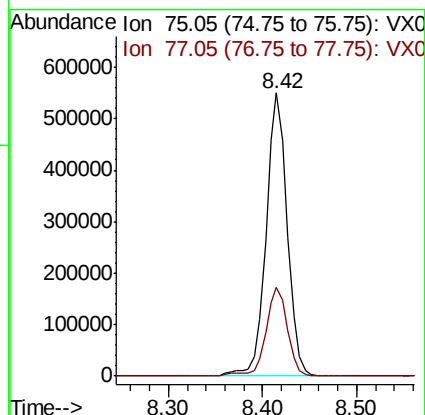
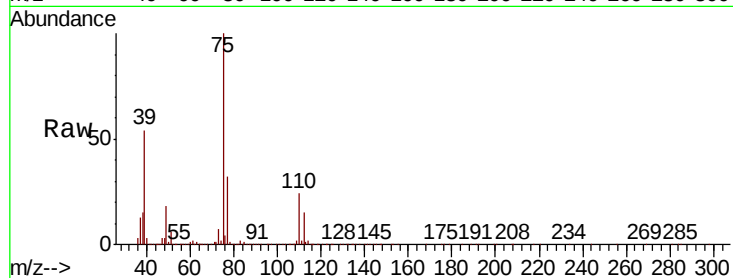




#39
 cis-1,3-Dichloropropene
 Concen: 25.856 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

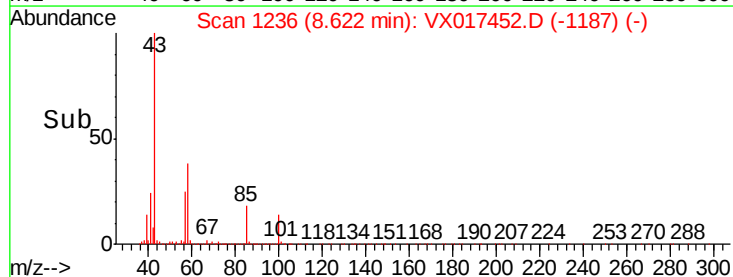
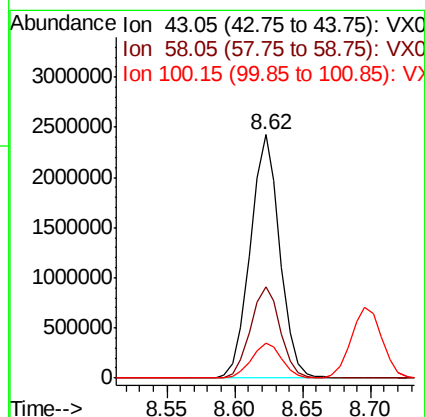
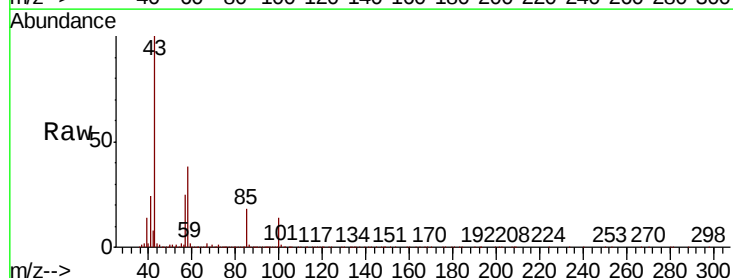
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

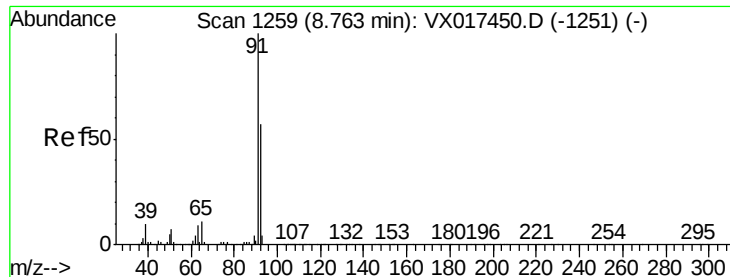
Tot Ion: 75 Resp: 868135
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 249.431 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion: 43 Resp: 3682849
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.1 45.1
 100 14.8 6.5 9.7#





#42

Toluene

Concen: 24.326 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

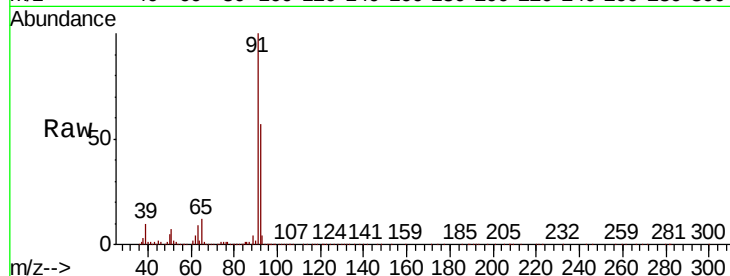
VSTD02065

Tot Ion: 91 Resp: 2380810

Ion Ratio Lower Upper

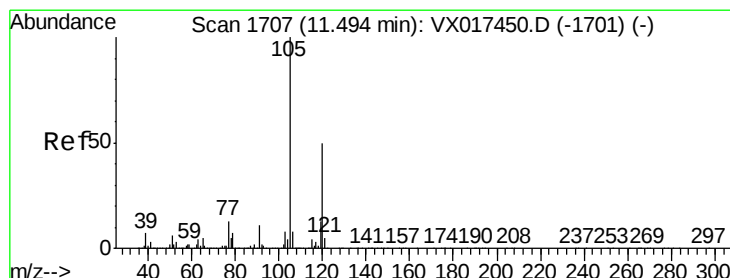
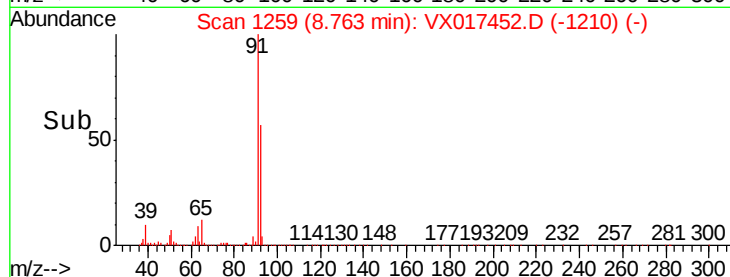
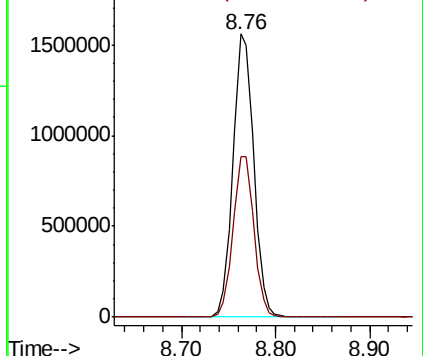
91 100

92 56.8 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: 25.471 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017452.D

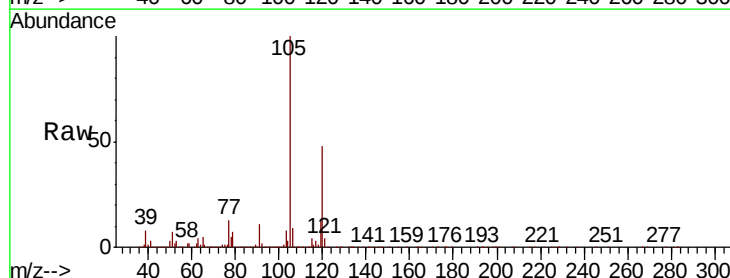
Acq: 21 Jul 2020 12:51

Tgt Ion:105 Resp: 2290025

Ion Ratio Lower Upper

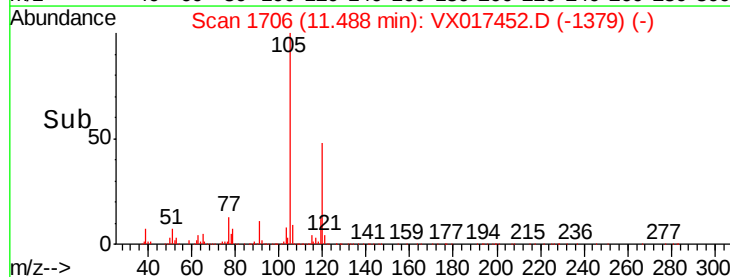
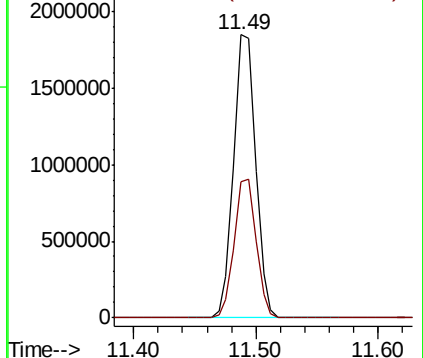
105 100

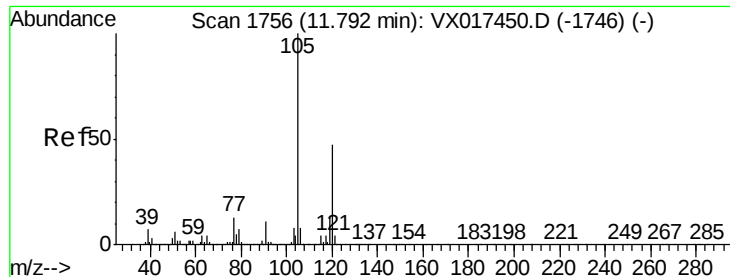
120 48.9 38.2 57.2



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: 25.921 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

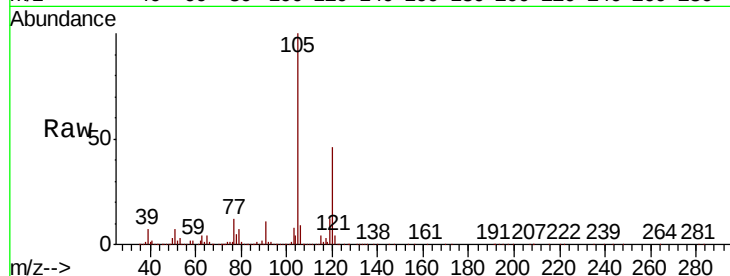
VSTD02065

Tot Ion:105 Resp: 2301481

Ion Ratio Lower Upper

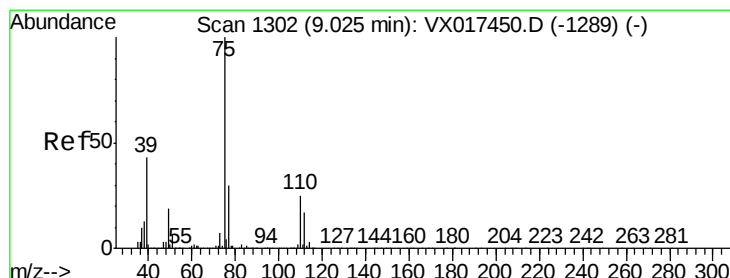
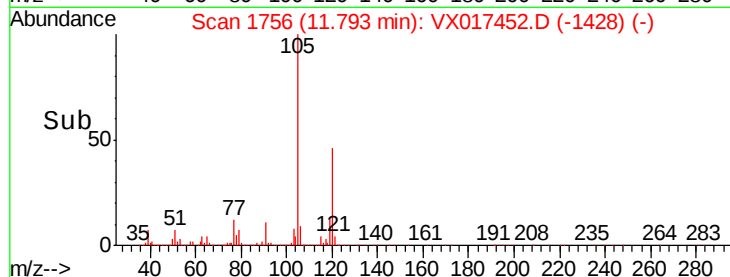
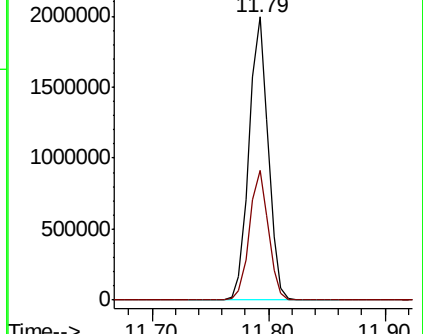
105 100

120 45.3 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 27.609 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017452.D

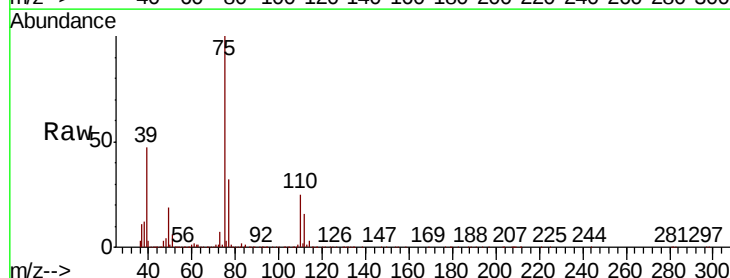
Acq: 21 Jul 2020 12:51

Tgt Ion: 75 Resp: 785318

Ion Ratio Lower Upper

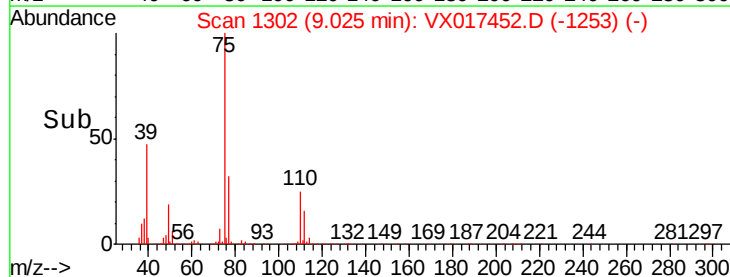
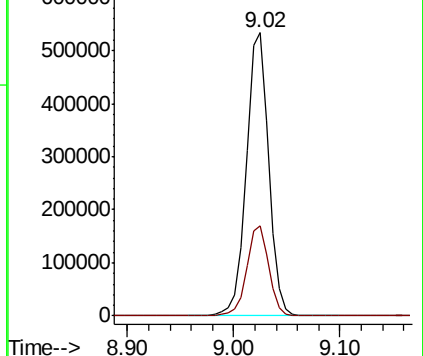
75 100

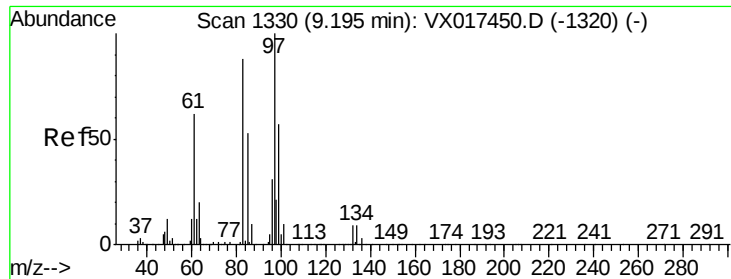
77 31.7 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

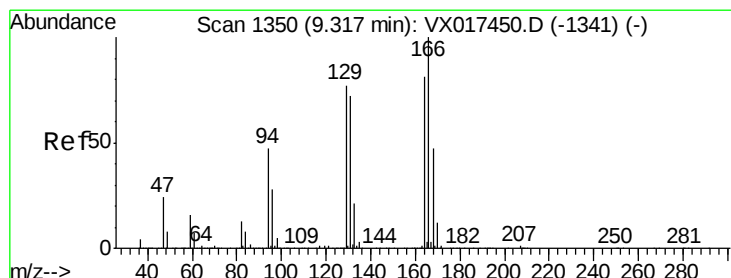
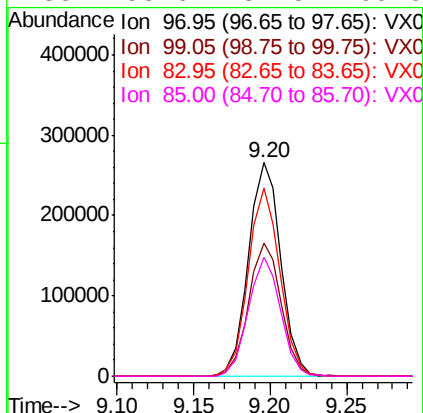
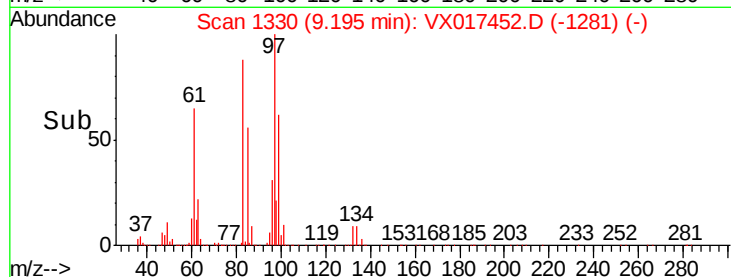
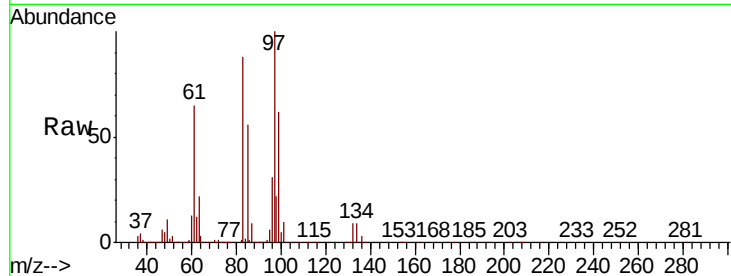




#47
1,1,2-Trichloroethane
Concen: 24.550 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

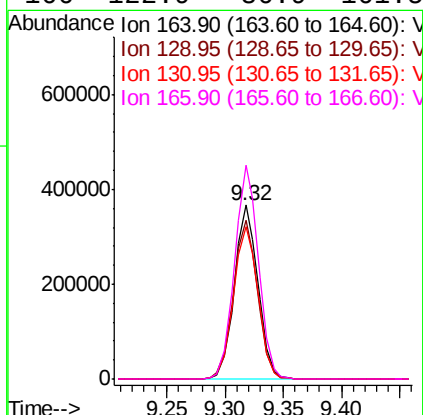
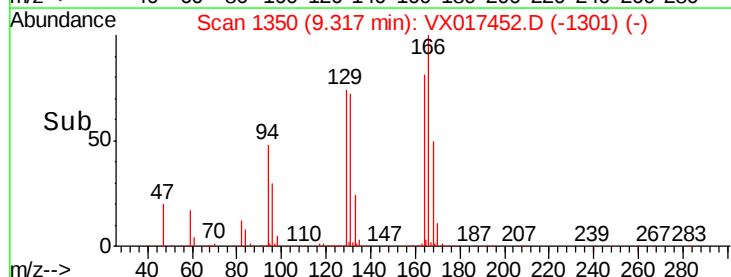
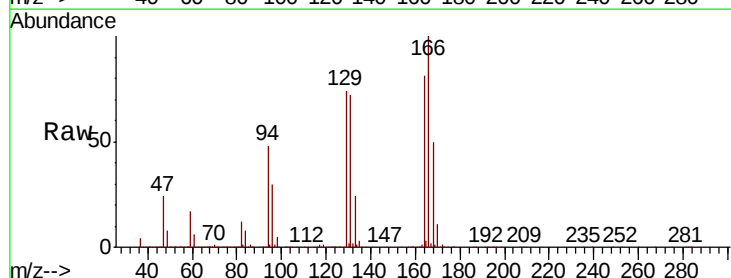
Instrument :
MSVOA_X
ClientSampleId :
VSTD02065

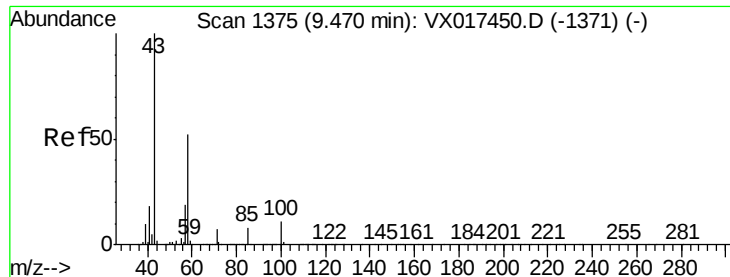
Tot Ion:	97	Resp:	390630
Ion	Ratio	Lower	Upper
97	100		
99	62.1	40.2	74.6
83	87.9	61.6	114.4
85	55.6	37.5	69.6



#49
Tetrachloroethene
Concen: 27.271 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Tgt Ion:	164	Resp:	514706
Ion	Ratio	Lower	Upper
164	100		
129	91.4	66.6	123.8
131	88.0	62.6	116.2
166	122.9	86.9	161.5

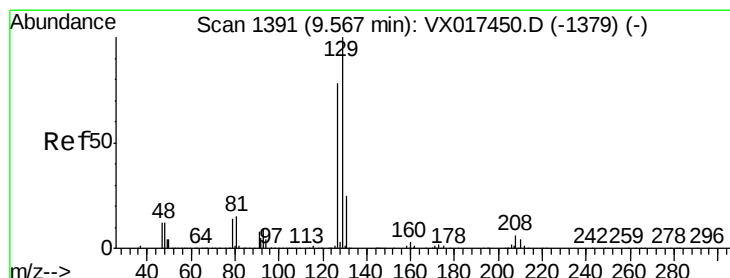
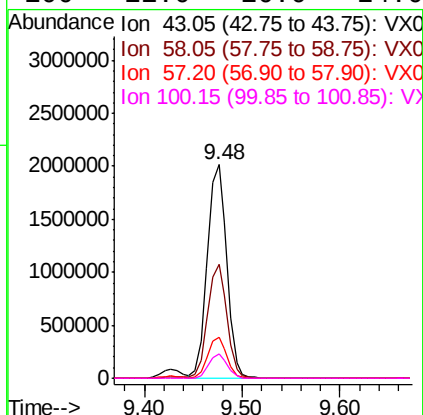
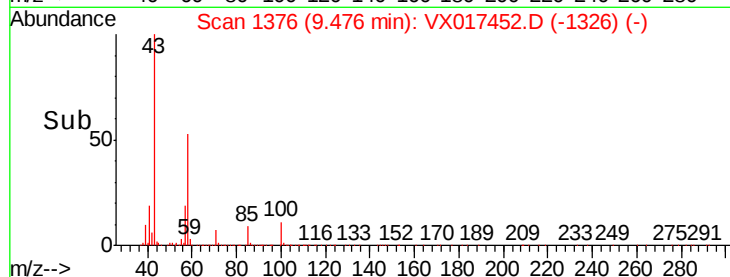
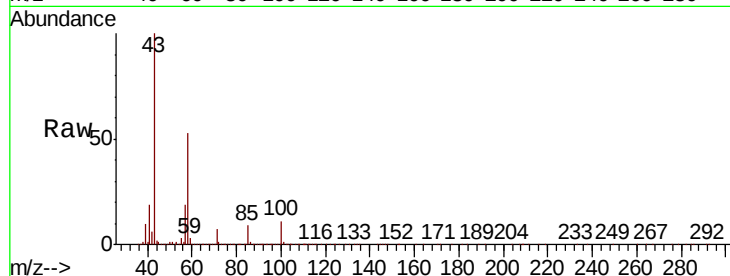




#50
2-Hexanone
Concen: 267.234 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

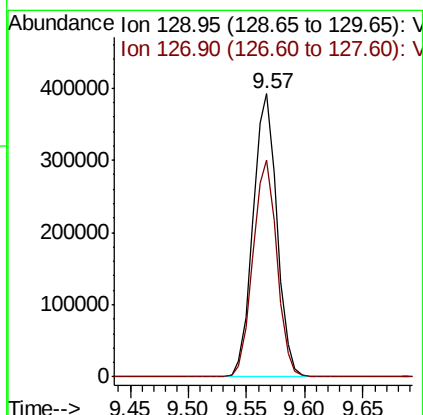
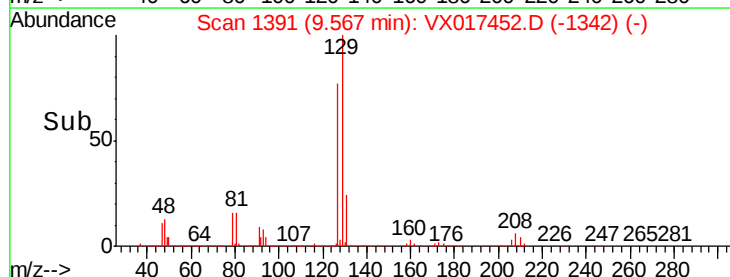
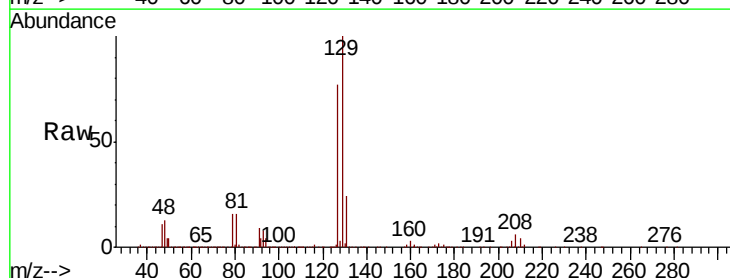
Instrument :
MSVOA_X
ClientSampleId :
VSTD02065

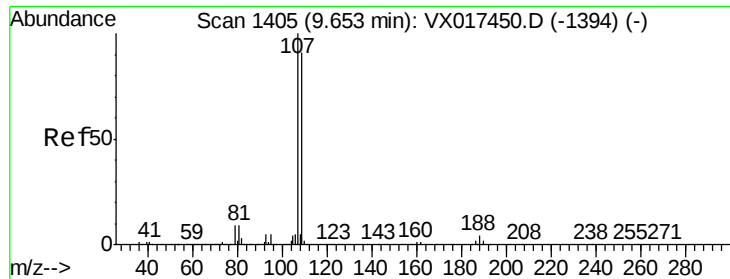
Tot Ion: 43 Resp: 2777795
Ion Ratio Lower Upper
43 100
58 52.5 41.4 62.0
57 18.9 26.9 40.3#
100 11.0 16.0 24.0#



#51
Dibromochloromethane
Concen: 30.473 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Tgt Ion:129 Resp: 563096
Ion Ratio Lower Upper
129 100
127 76.8 54.7 101.5





#52

1,2-Dibromoethane

Concen: 29.150 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD02065

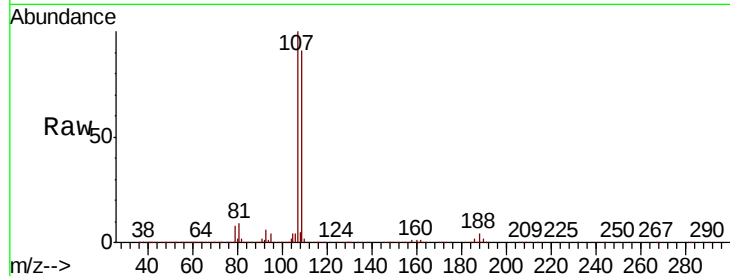
Tot Ion:107 Resp: 428918

Ion Ratio Lower Upper

107 100

109 90.9 63.9 118.7

188 3.6 3.0 4.4

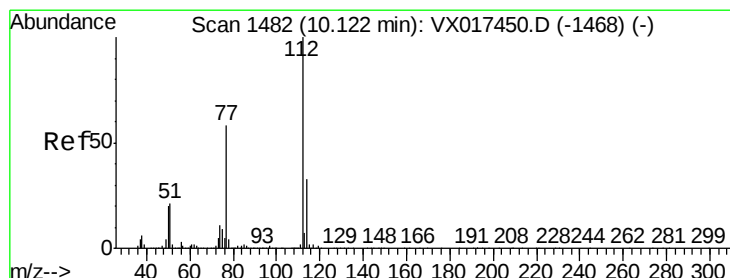
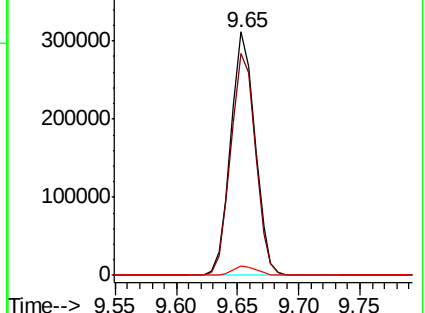
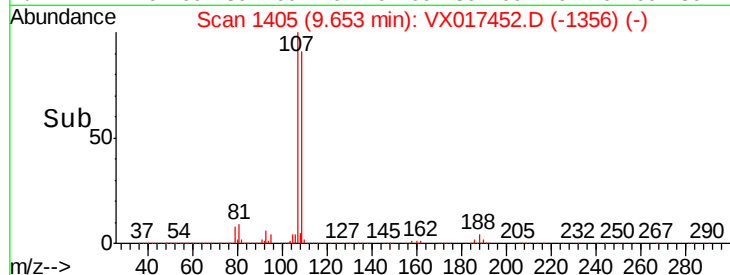


Abundance

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: 24.070 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

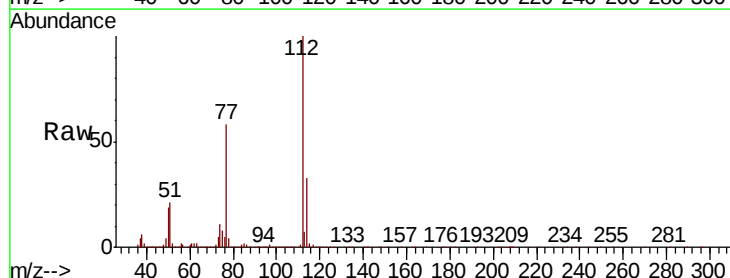
Tgt Ion:112 Resp: 1533846

Ion Ratio Lower Upper

112 100

114 32.6 23.1 42.9

77 57.9 46.2 69.2

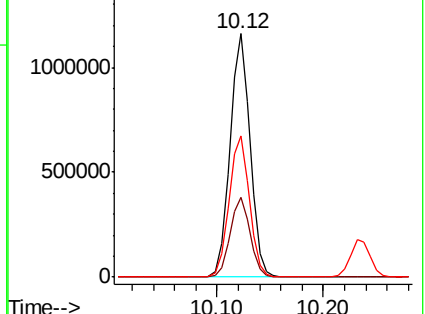
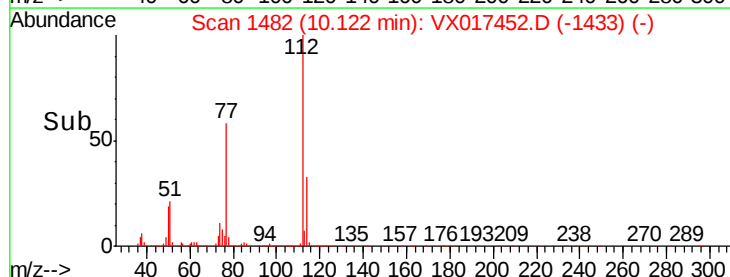


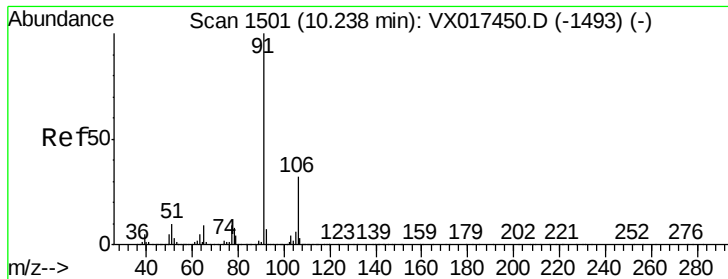
Abundance

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: 24.043 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

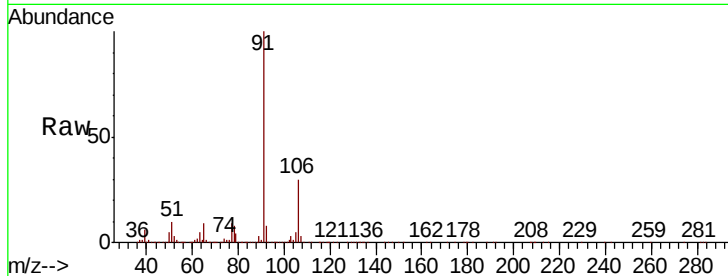
VSTD02065

Tot Ion: 91 Resp: 2670979

Ion Ratio Lower Upper

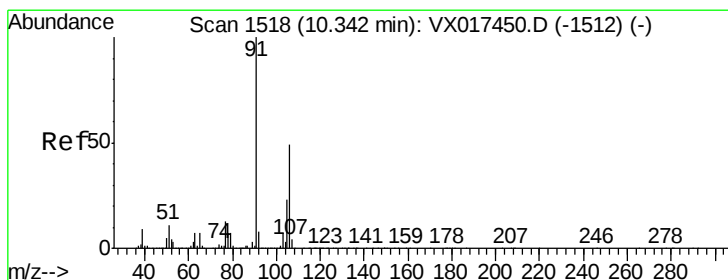
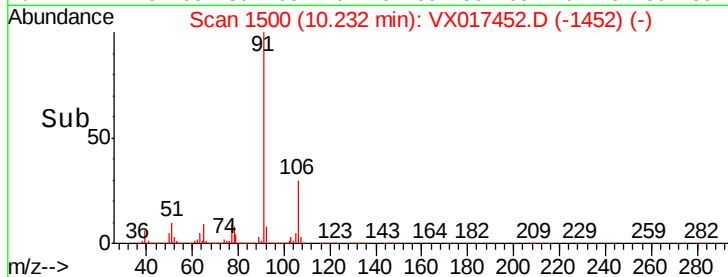
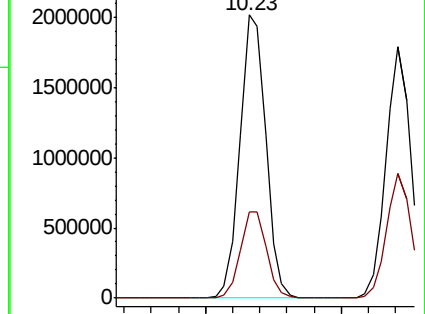
91 100

106 30.4 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 27.044 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017452.D

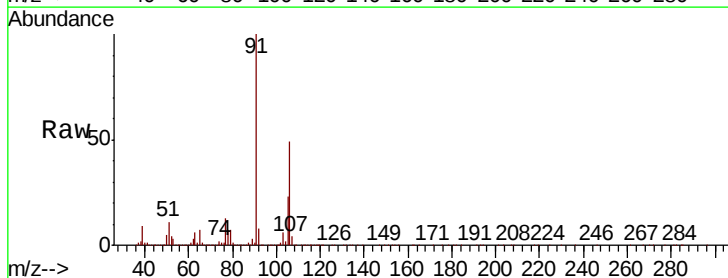
Acq: 21 Jul 2020 12:51

Tgt Ion:106 Resp: 1126607

Ion Ratio Lower Upper

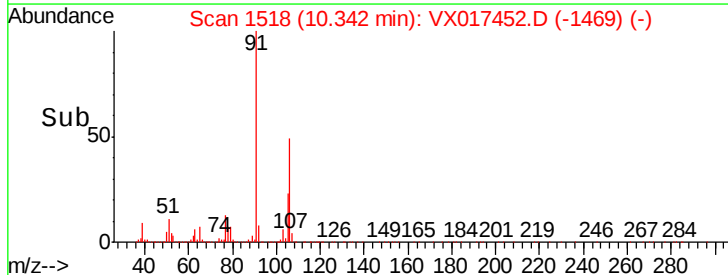
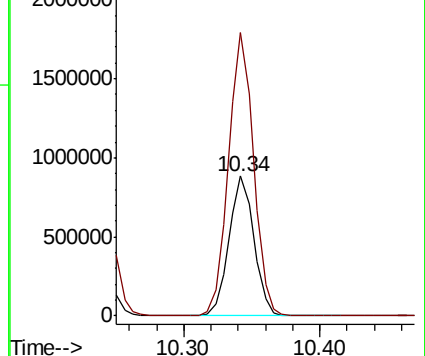
106 100

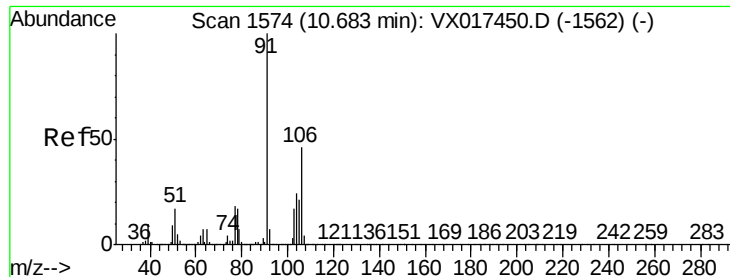
91 202.2 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

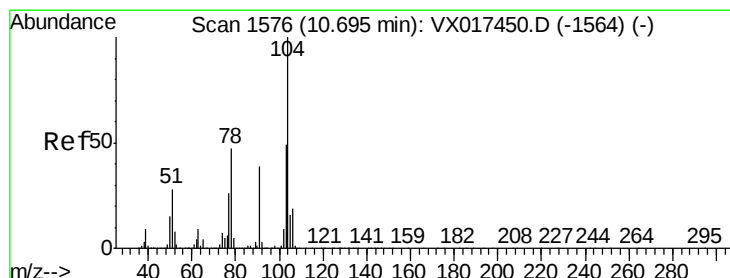
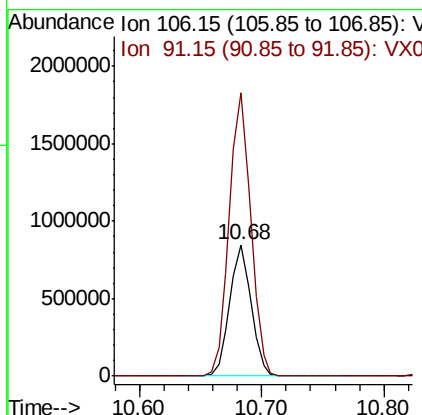
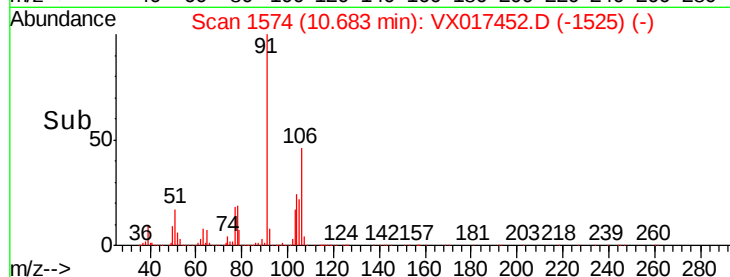
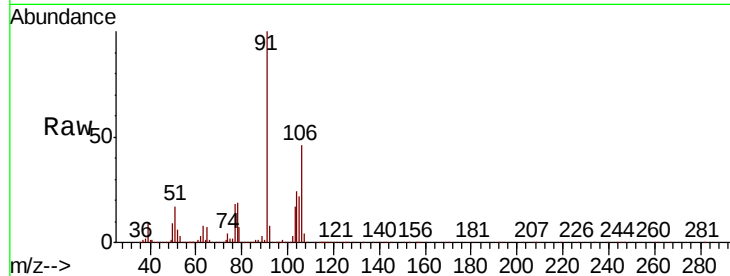




#56
o-xylene
Concen: 25.802 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

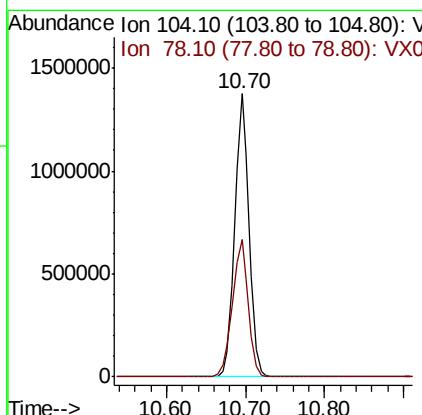
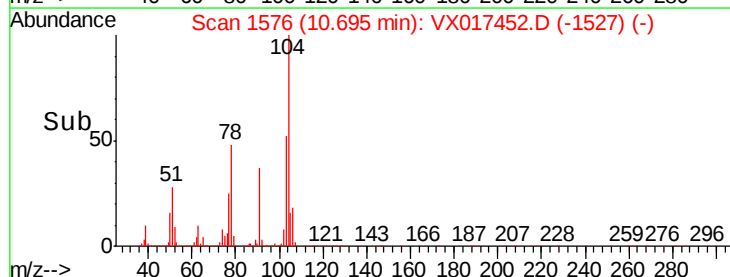
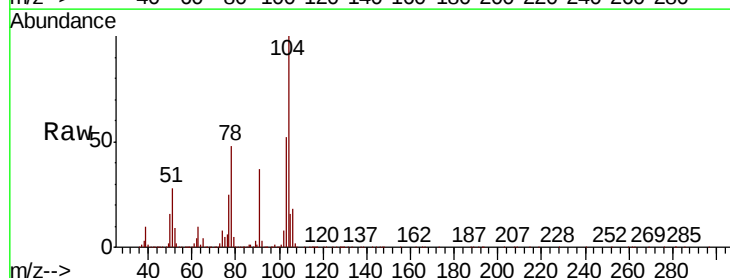
Instrument :
MSVOA_X
ClientSampleId :
VSTD02065

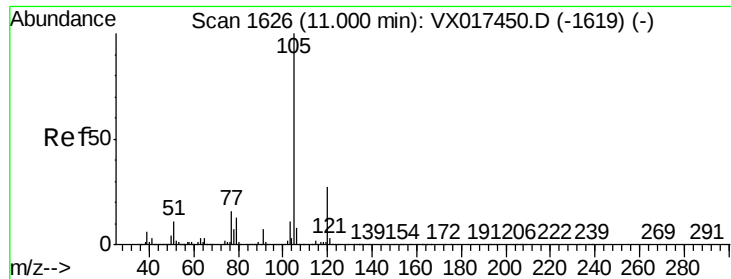
Tot Ion:106 Resp: 1025112
Ion Ratio Lower Upper
106 100
91 216.0 153.4 284.8



#57
Styrene
Concen: 25.975 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017452.D
Acq: 21 Jul 2020 12:51

Tgt Ion:104 Resp: 1730073
Ion Ratio Lower Upper
104 100
78 48.3 32.6 60.6





#58

Isopropylbenzene

Concen: 25.156 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

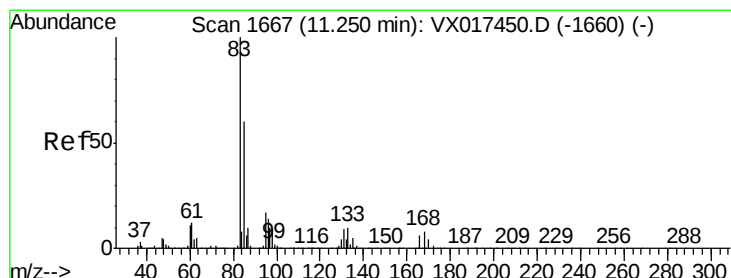
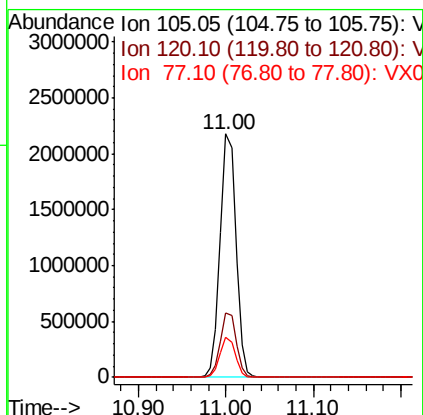
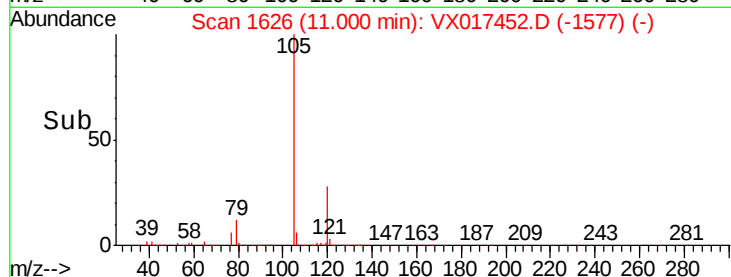
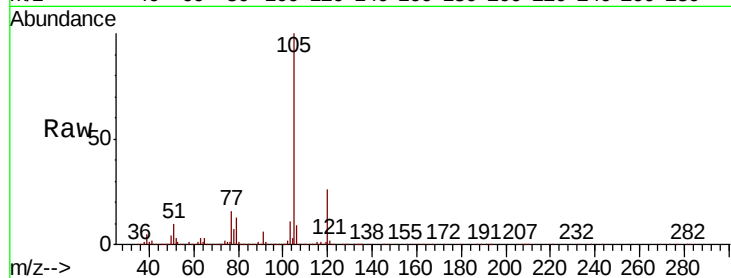
MSVOA_X

ClientSampleId :

VSTD02065

Tot Ion:105 Resp: 2722359

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.2
77	15.9	13.0	19.6



#60

1,1,2,2-Tetrachloroethane

Concen: 28.322 ug/L

RT: 11.25 min Scan# 1667

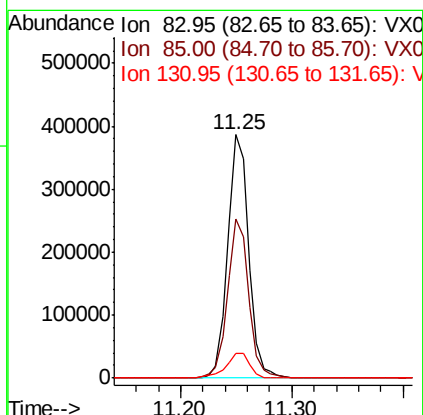
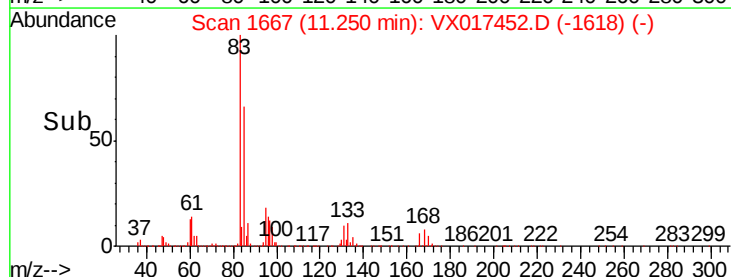
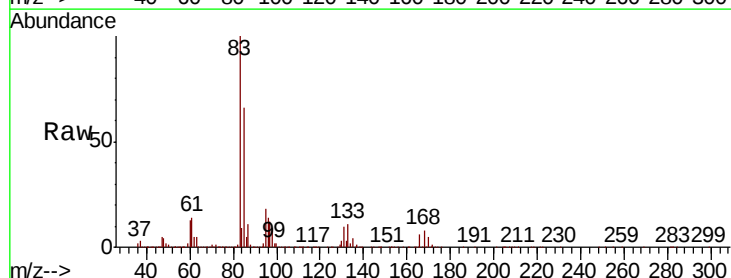
Delta R.T. 0.00 min

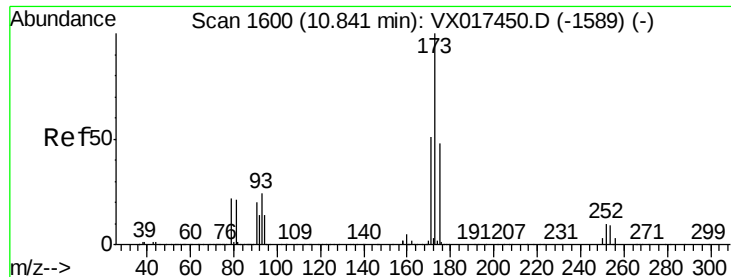
Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Tgt Ion: 83 Resp: 502662

Ion	Ratio	Lower	Upper
83	100		
85	65.6	42.1	78.1
131	10.4	7.7	11.5





#62

Bromoform

Concen: 33.462 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD02065

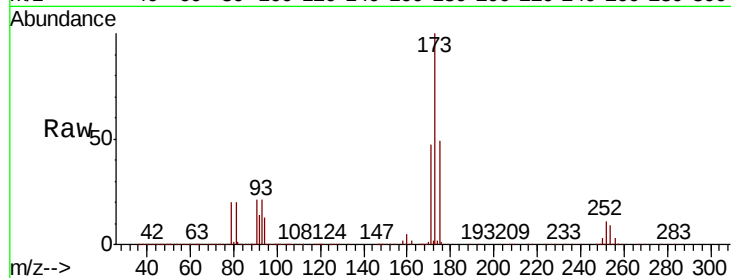
Tot Ion:173 Resp: 336922

Ion Ratio Lower Upper

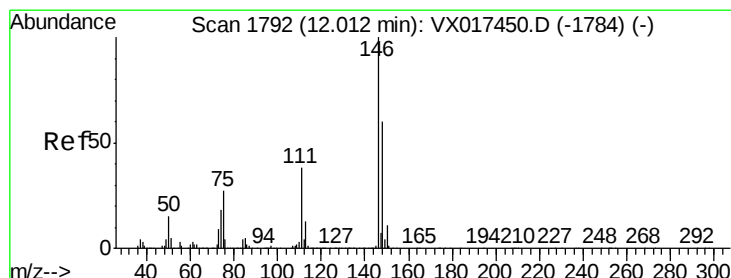
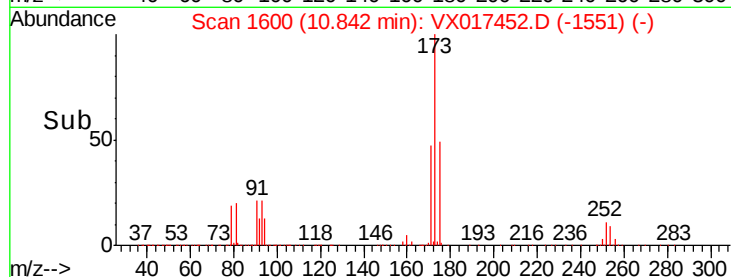
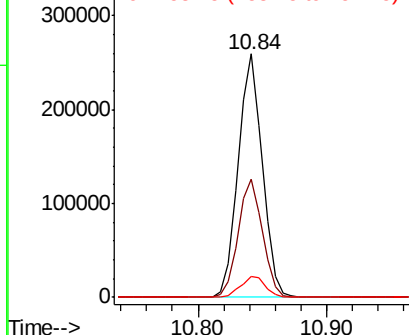
173 100

175 48.8 38.4 57.6

254 9.0 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: 23.995 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

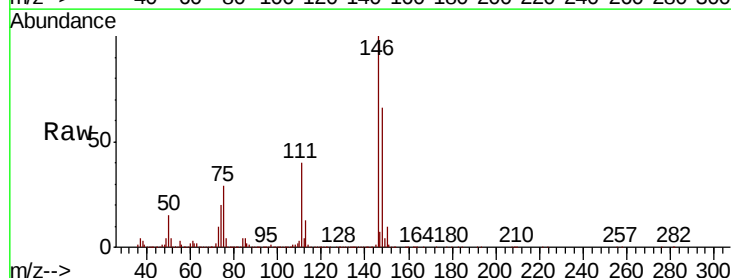
Tgt Ion:146 Resp: 1248577

Ion Ratio Lower Upper

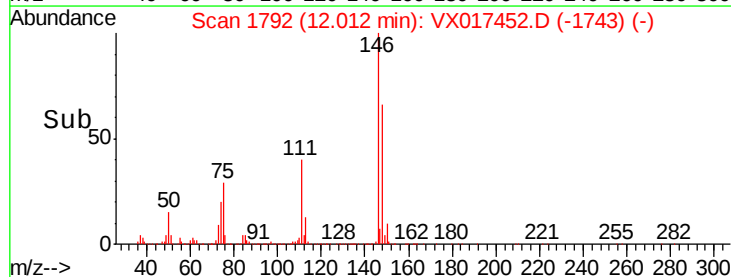
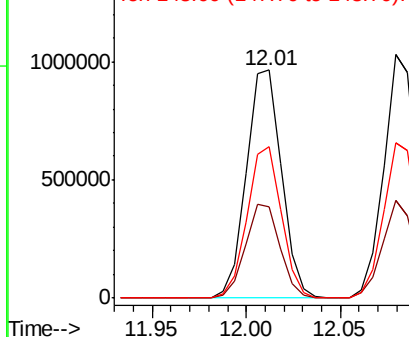
146 100

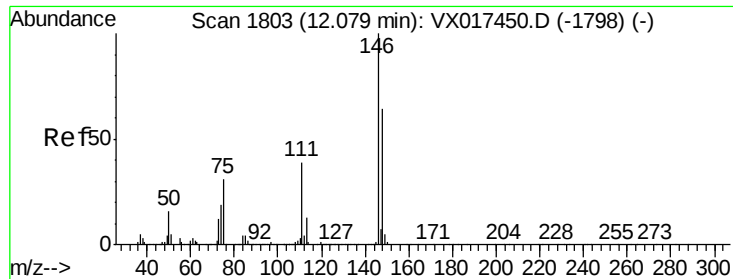
111 40.1 26.8 49.8

148 66.3 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

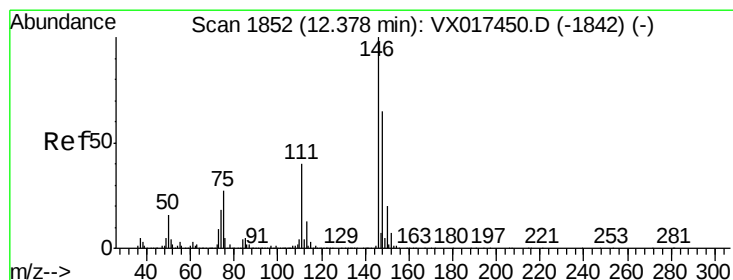
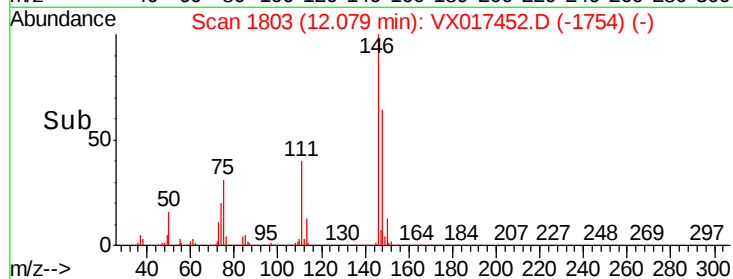
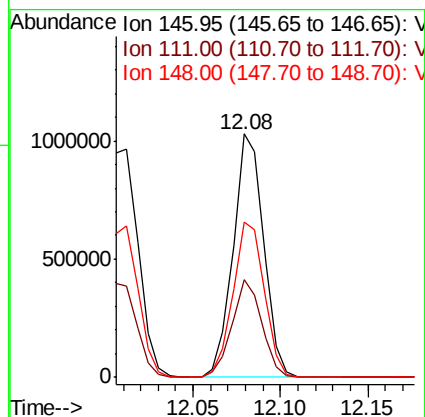
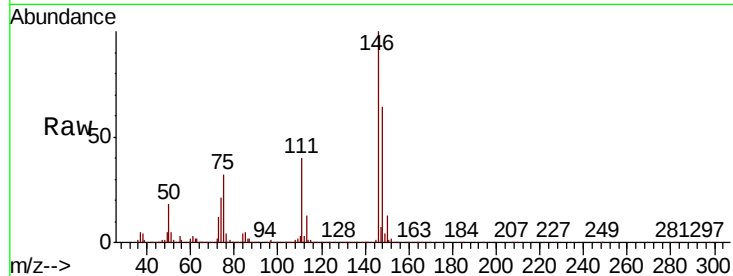




#64
 1,4-Dichlorobenzene
 Concen: 23.890 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

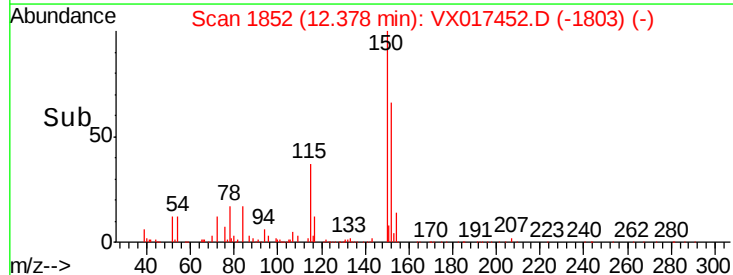
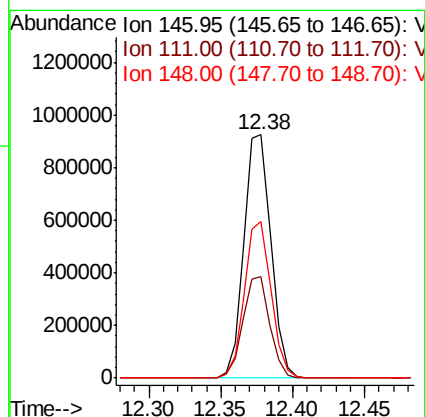
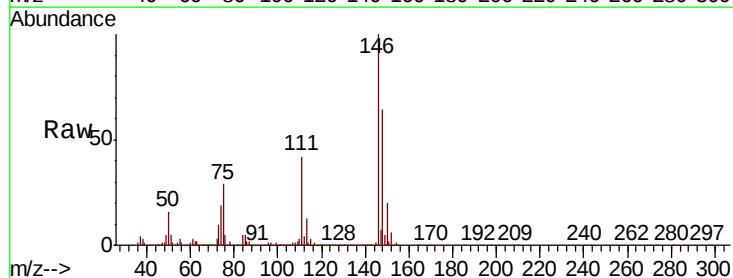
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

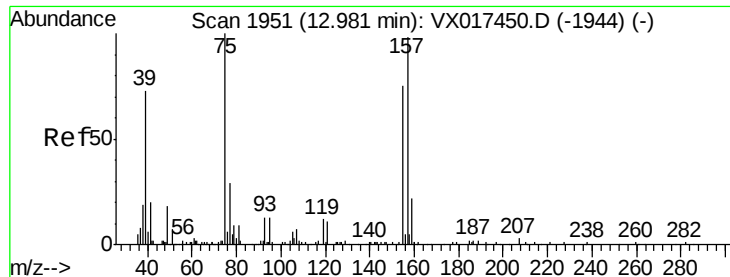
Tot Ion:146 Resp: 1249459
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.7 51.5
 148 63.5 44.9 83.5



#66
 1,2-Dichlorobenzene
 Concen: 25.451 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion:146 Resp: 1201146
 Ion Ratio Lower Upper
 146 100
 111 41.5 31.8 47.6
 148 64.3 51.8 77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 29.859 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD02065

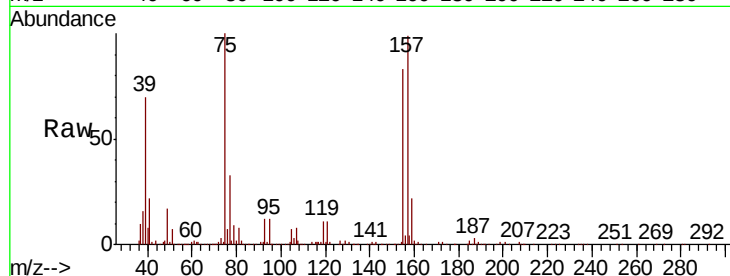
Tot Ion: 75 Resp: 98244

Ion Ratio Lower Upper

75 100

155 83.4 59.6 89.4

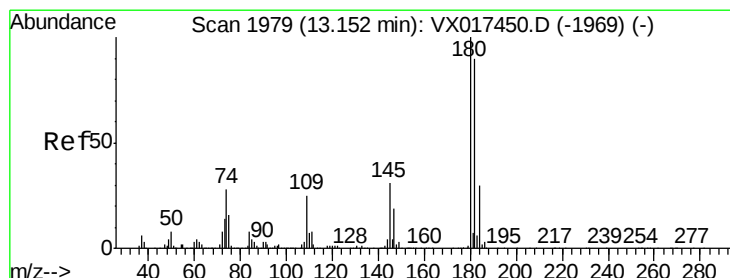
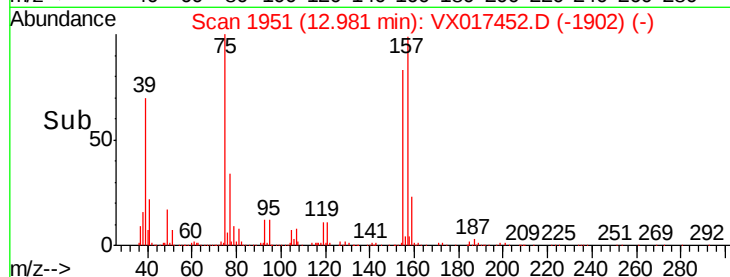
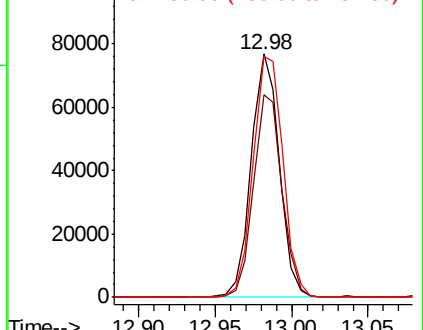
157 98.8 78.7 118.1



Abundance Ion 75.05 (74.75 to 75.75): VX017452.D (-1902) (-)

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V



#68

1,3,5-Trichlorobenzene

Concen: 28.520 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX017452.D

Acq: 21 Jul 2020 12:51

Tgt Ion: 180 Resp: 1133758

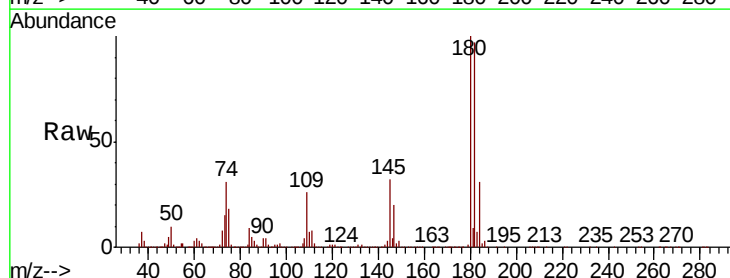
Ion Ratio Lower Upper

180 100

182 94.9 73.8 110.8

184 30.5 24.2 36.2

145 30.4 24.4 36.6

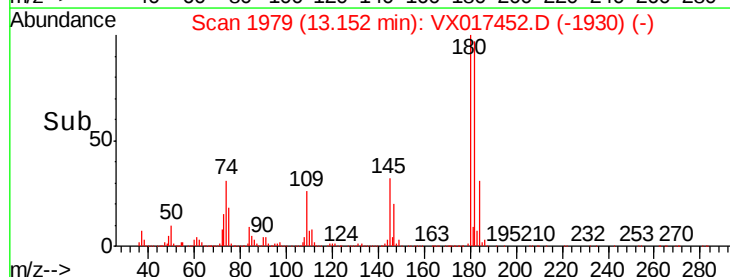
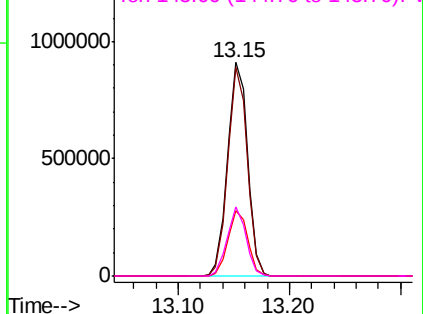


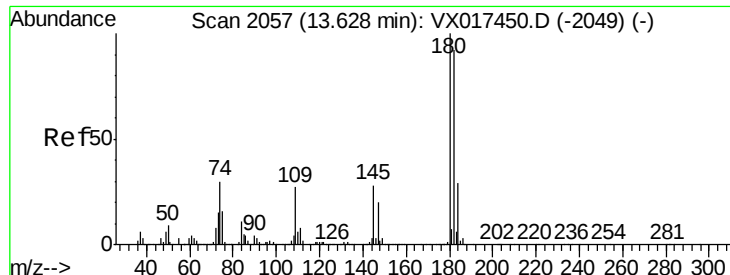
Abundance Ion 180.00 (179.70 to 180.70): V

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

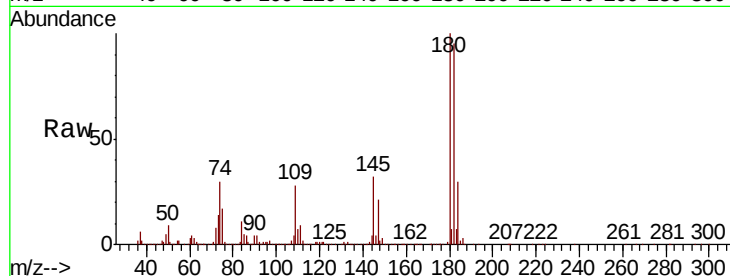




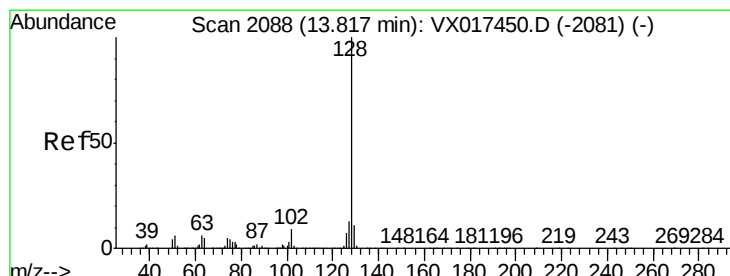
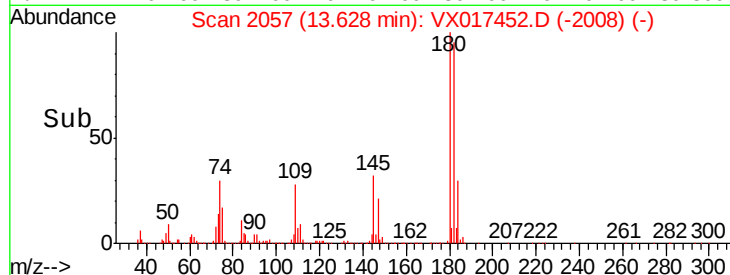
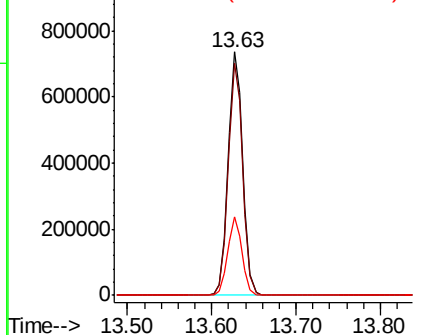
#69
 1,2,4-trichlorobenzene
 Concen: 26.631 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.3	112.9
145	31.6	24.3	36.5

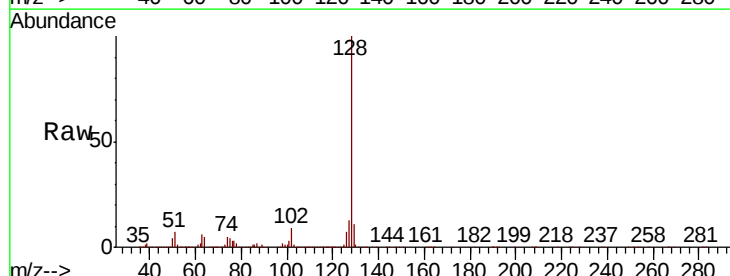


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

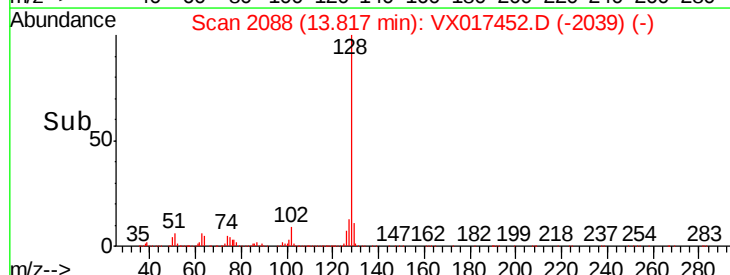
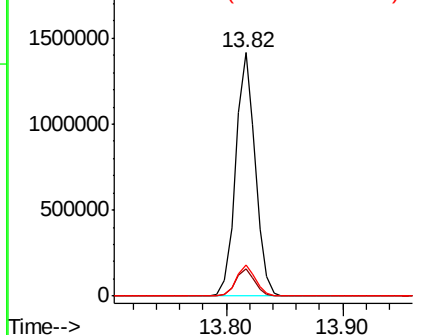


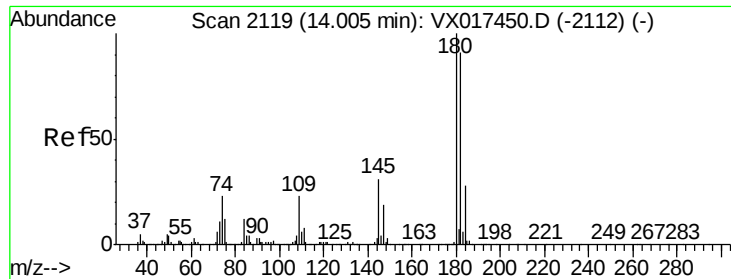
#70
 Naphthalene
 Concen: 30.512 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.9	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: 29.109 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX017452.D
 Acq: 21 Jul 2020 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD02065

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.3	112.9
145	33.6	26.9	40.3

