

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
 Data File : VX017953.D
 Acq On : 18 Aug 2020 09:57
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

Quant Time: Aug 19 01:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 00:59:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	283045	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	283965	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	150212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	82579	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.70	69	70365	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.34	63	184914	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	4.54	46	281836	54.26	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.52%
24) Chloroform-d	5.14	84	199400	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	6.03	65	112413	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	6.05	84	345043	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	7.37	67	112883	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	8.70	98	324576	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
45) trans-1,3-Dichloropropene-	8.99	79	48646	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
48) 2-Hexanone-d5	9.43	63	226677	52.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.52%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	96646	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	131997	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	157304	4.780	ug/L	98
3) Chloromethane	1.31	50	133803	4.979	ug/L	100
5) Vinyl chloride	1.39	62	135340	5.077	ug/L	93
6) Bromomethane	1.64	94	82512	5.318	ug/L	98
8) Chloroethane	1.72	64	75777	5.082	ug/L	99
9) Trichlorofluoromethane	1.92	101	230933	5.383	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	129650	5.538	ug/L	98
12) 1,1-Dichloroethene	2.36	96	115295	5.314	ug/L	96
13) Acetone	2.43	43	191023	50.336	ug/L	99
14) Carbon disulfide	2.55	76	356492	4.575	ug/L	98
15) Methyl Acetate	2.76	43	50308	4.496	ug/L	95
16) Methylene chloride	2.84	84	137099	4.575	ug/L	97
17) Methyl tert-butyl Ether	3.17	73	267505	4.605	ug/L	99
18) trans-1,2-Dichloroethene	3.14	96	119875	4.870	ug/L	95
19) 1,1-Dichloroethane	3.67	63	231216	5.265	ug/L	98
21) 2-Butanone	4.64	43	307292	46.884	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	129769	5.024	ug/L #	99

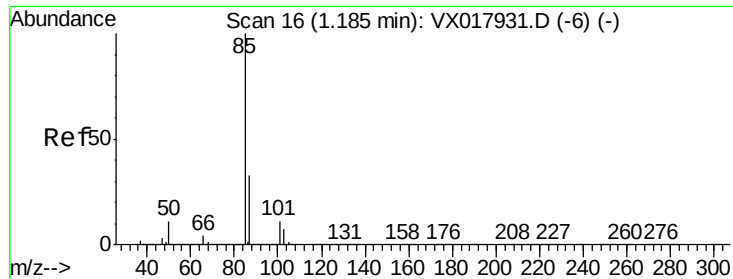
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
 Data File : VX017953.D
 Acq On : 18 Aug 2020 09:57
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 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 00:59:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	64699	5.352	ug/L	96
25) Chloroform	5.18	83	260288	5.504	ug/L	99
27) 1,2-Dichloroethane	6.16	62	154653	5.098	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	237145	5.090	ug/L	99
30) Cyclohexane	5.55	56	174297	4.312	ug/L	100
31) Carbon tetrachloride	5.76	117	218503	5.089	ug/L	98
33) Benzene	6.11	78	499283	4.967	ug/L	100
34) Trichloroethene	7.18	95	136530	4.652	ug/L	96
35) Methylcyclohexane	7.44	83	185119	4.487	ug/L	97
37) 1,2-Dichloropropane	7.49	63	135062	5.343	ug/L	99
38) Bromodichloromethane	7.87	83	178101	5.057	ug/L	95
39) cis-1,3-Dichloropropene	8.42	75	177729	4.566	ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	755966	45.929	ug/L	98
42) Toluene	8.76	91	547947	5.021	ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	465680	4.675	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	482422	4.756	ug/L	99
46) trans-1,3-Dichloropropene	9.02	75	160496	4.623	ug/L	100
47) 1,1,2-Trichloroethane	9.20	97	93662	4.938	ug/L	99
49) Tetrachloroethene	9.32	164	113288	4.826	ug/L	99
50) 2-Hexanone	9.47	43	564135	47.817	ug/L	99
51) Dibromochloromethane	9.56	129	125448	4.801	ug/L	93
52) 1,2-Dibromoethane	9.65	107	89708	4.831	ug/L #	98
53) Chlorobenzene	10.12	112	354791	4.995	ug/L	97
54) Ethylbenzene	10.23	91	571951	4.802	ug/L	99
55) m,p-xylene	10.34	106	226527	4.981	ug/L	98
56) o-xylene	10.68	106	213255	4.837	ug/L	95
57) Styrene	10.70	104	378434	5.075	ug/L	98
58) Isopropylbenzene	11.00	105	579790	4.913	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.25	83	104267	5.005	ug/L	99
62) Bromoform	10.84	173	72856	4.850	ug/L	95
63) 1,3-Dichlorobenzene	12.01	146	288238	4.927	ug/L	99
64) 1,4-Dichlorobenzene	12.08	146	290335	4.989	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	272244	5.010	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.98	75	21757	4.609	ug/L	90
68) 1,3,5-Trichlorobenzene	13.15	180	210669	4.876	ug/L	98
69) 1,2,4-trichlorobenzene	13.63	180	176597	4.617	ug/L	97
70) Naphthalene	13.82	128	297891	4.240	ug/L	98
71) 1,2,3-Trichlorobenzene	14.01	180	166609	4.630	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.780 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

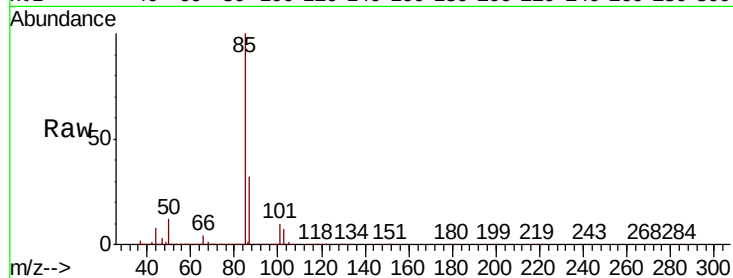
VSTD00579

Tot Ion: 85 Resp: 157304

Ion Ratio Lower Upper

85 100

87 32.4 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

200000

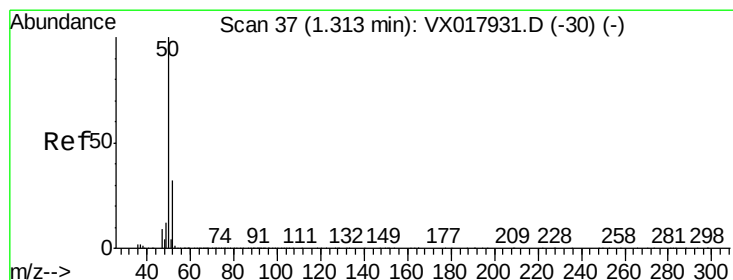
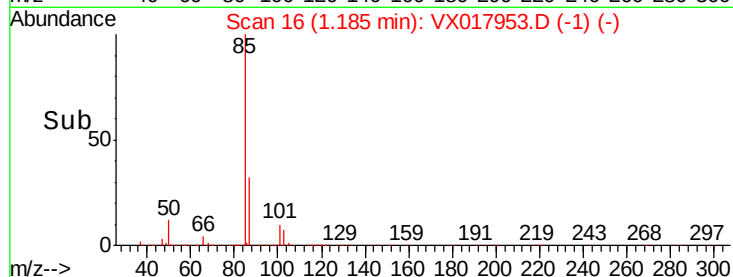
150000

100000

50000

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Time-->



#3

Chloromethane

Concen: 4.979 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017953.D

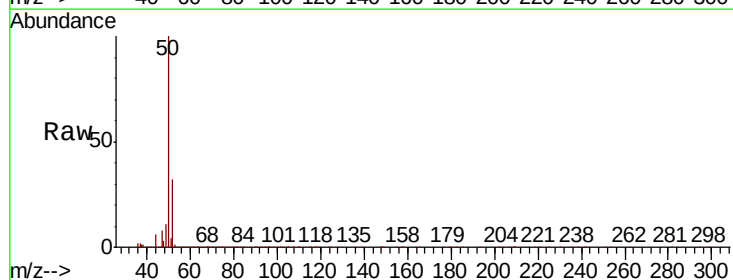
Acq: 18 Aug 2020 09:57

Tgt Ion: 50 Resp: 133803

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

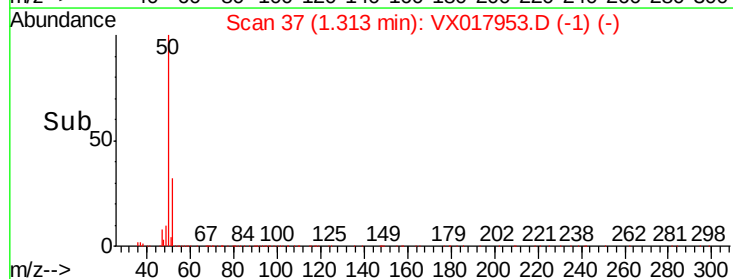
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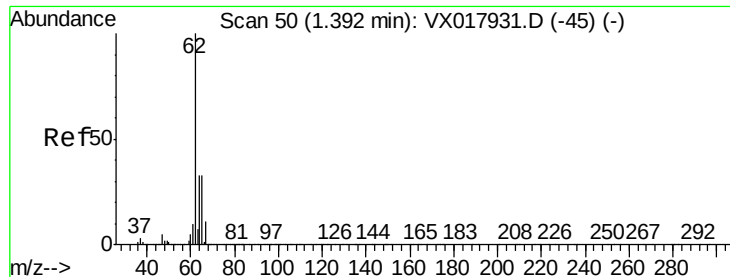
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 5.077 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

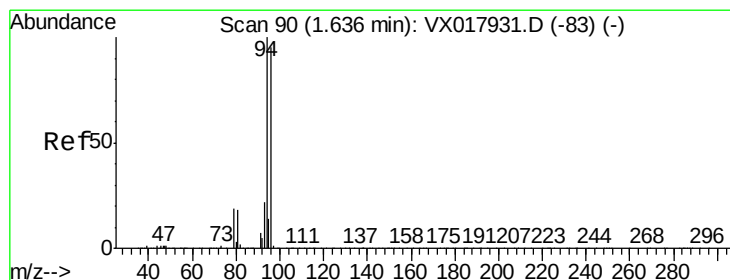
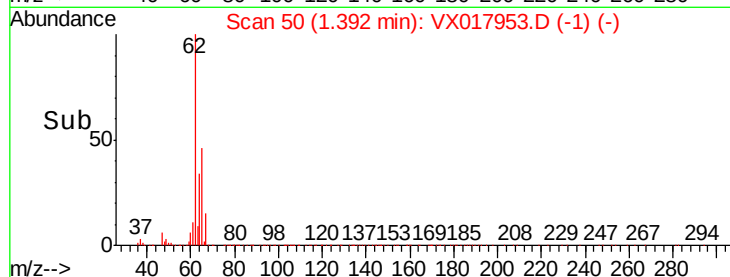
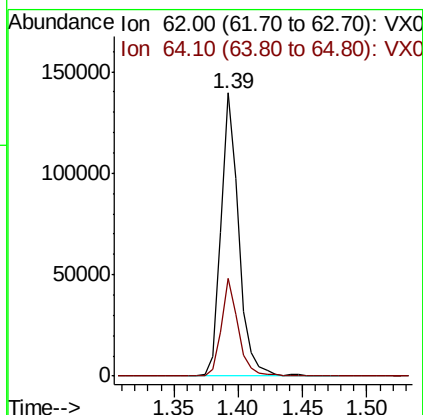
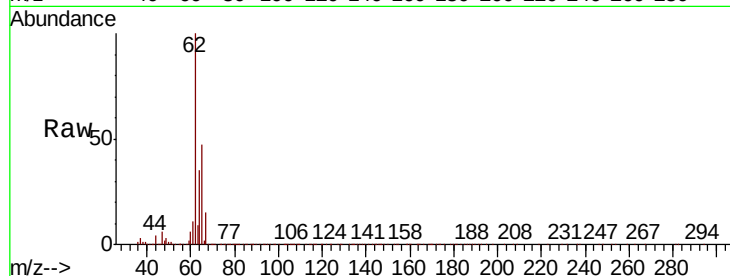
VSTD00579

Tot Ion: 62 Resp: 135340

Ion Ratio Lower Upper

62 100

64 34.6 21.3 39.6



#6

Bromomethane

Concen: 5.318 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX017953.D

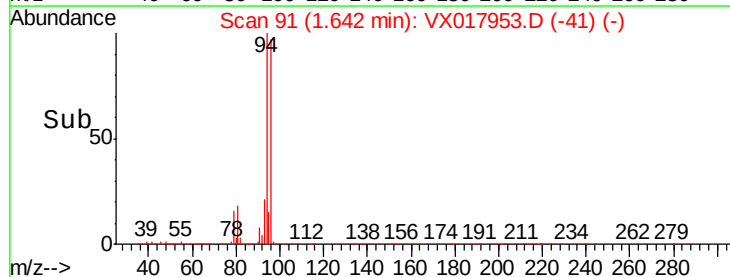
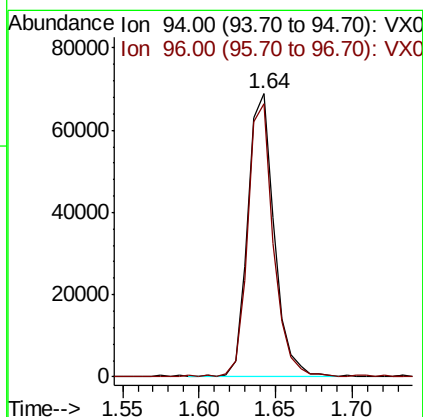
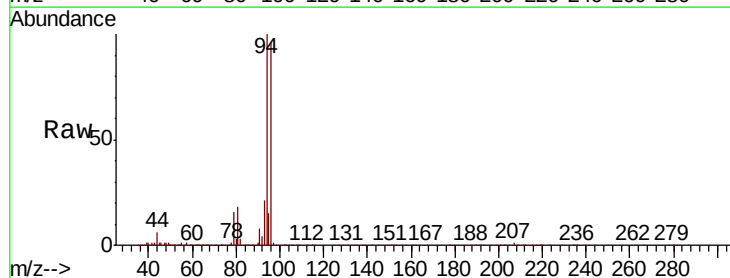
Acq: 18 Aug 2020 09:57

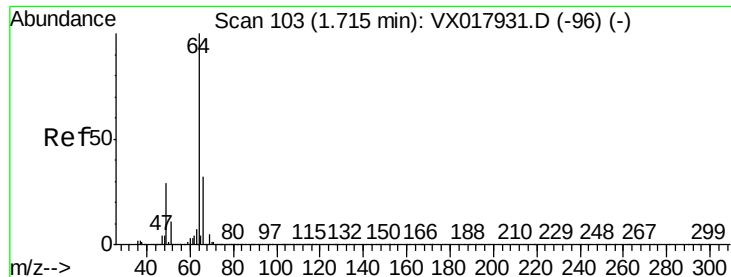
Tgt Ion: 94 Resp: 82512

Ion Ratio Lower Upper

94 100

96 96.3 68.5 127.1





#8

Chloroethane

Concen: 5.082 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

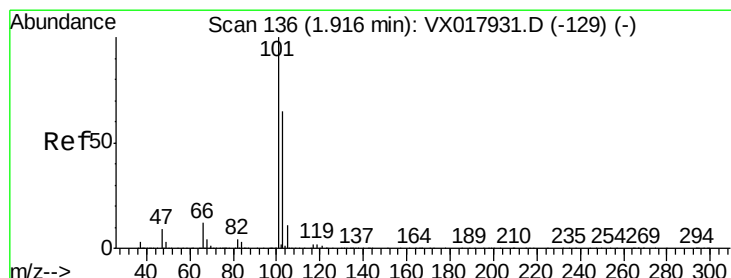
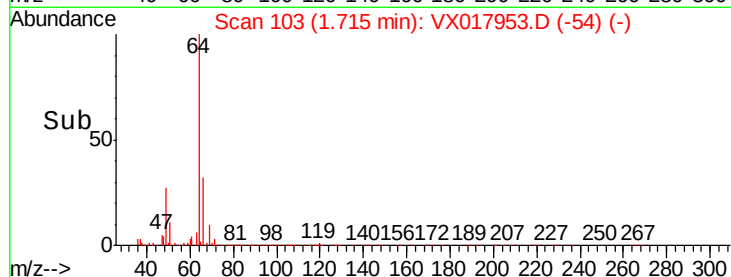
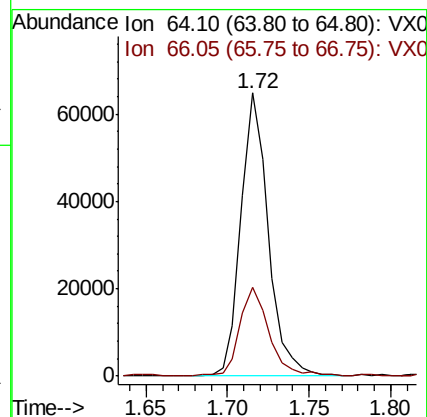
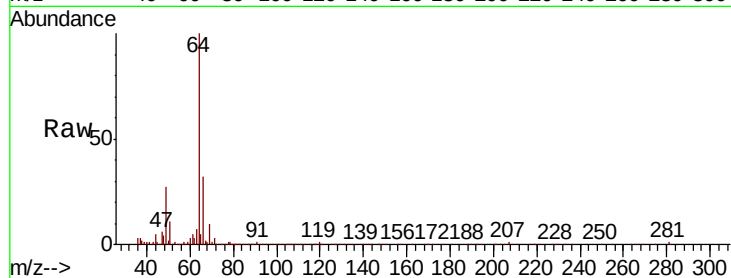
VSTD00579

Tot Ion: 64 Resp: 75777

Ion Ratio Lower Upper

64 100

66 31.5 22.6 42.0



#9

Trichlorofluoromethane

Concen: 5.383 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX017953.D

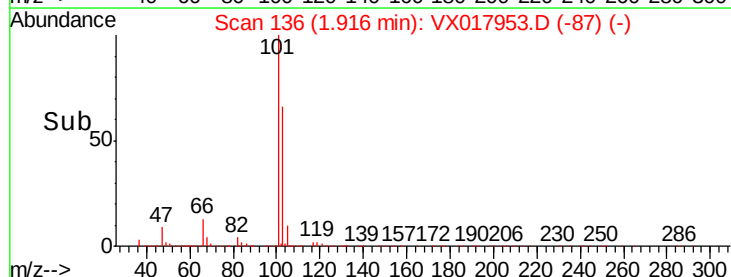
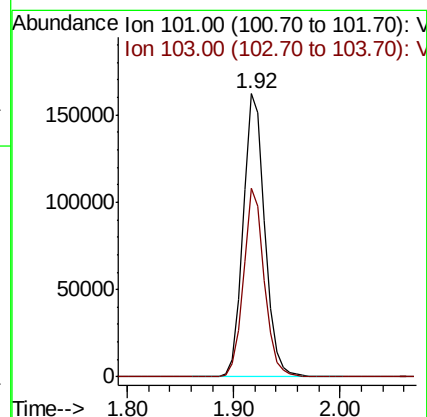
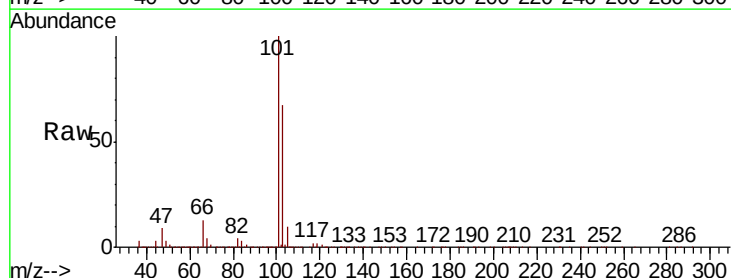
Acq: 18 Aug 2020 09:57

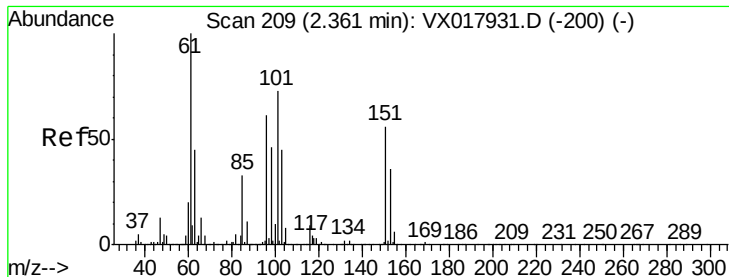
Tgt Ion: 101 Resp: 230933

Ion Ratio Lower Upper

101 100

103 63.9 52.0 78.0





#10

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

Concen: 5.538 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

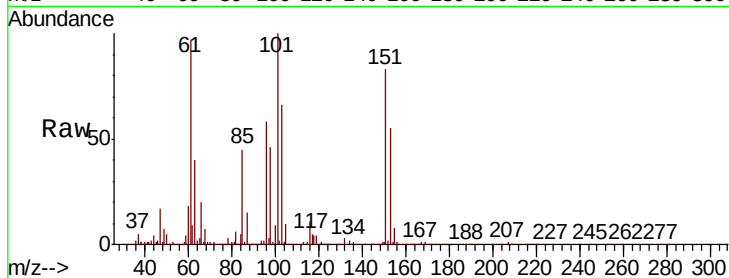
Tot Ion:101 Resp: 129650

Ion Ratio Lower Upper

101 100

85 44.4 34.3 51.5

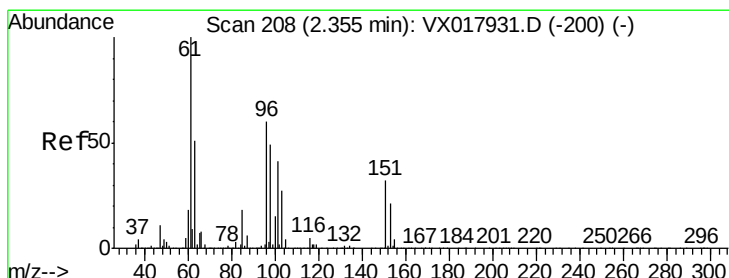
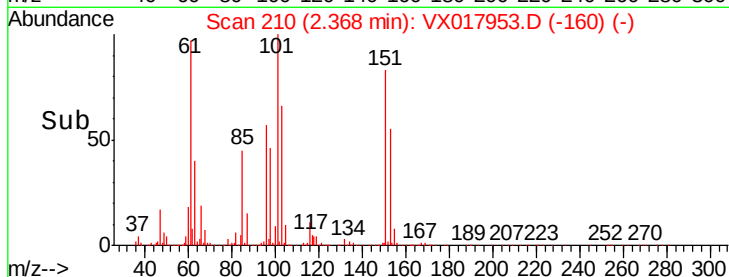
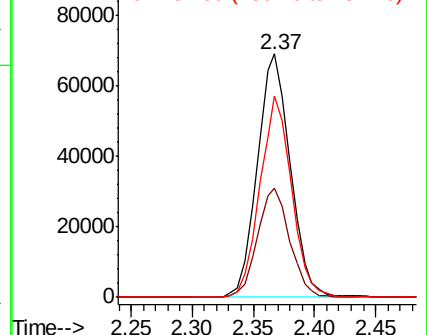
151 79.5 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.314 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

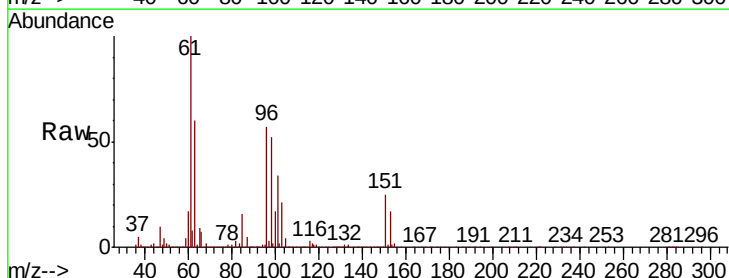
Tgt Ion: 96 Resp: 115295

Ion Ratio Lower Upper

96 100

61 174.7 123.5 229.3

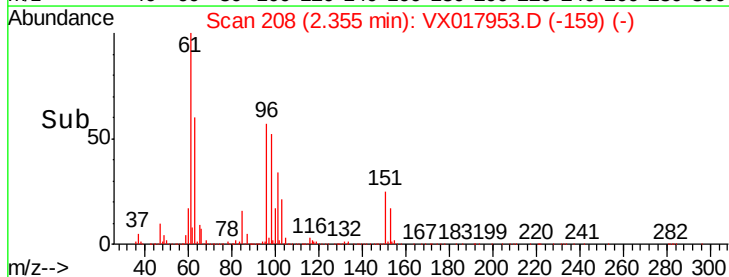
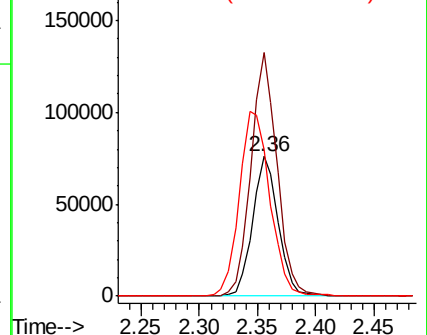
63 104.9 67.0 124.4

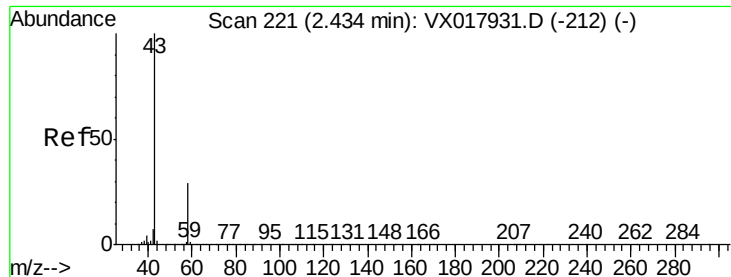


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 50.336 ug/L

RT: 2.43 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

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MSVOA_X

ClientSampleId :

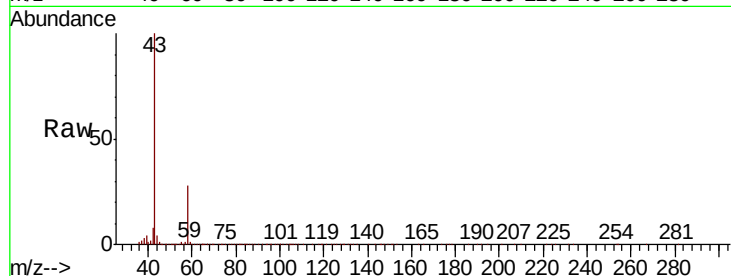
VSTD00579

Tot Ion: 43 Resp: 191023

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

2.43

100000

80000

60000

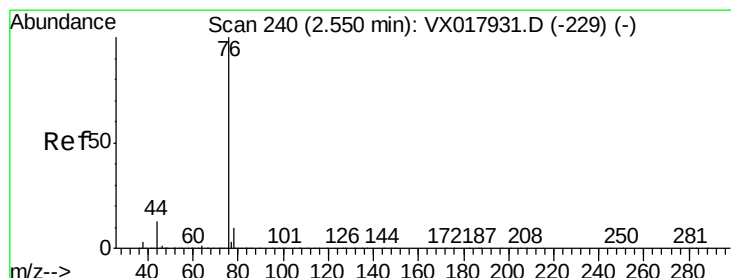
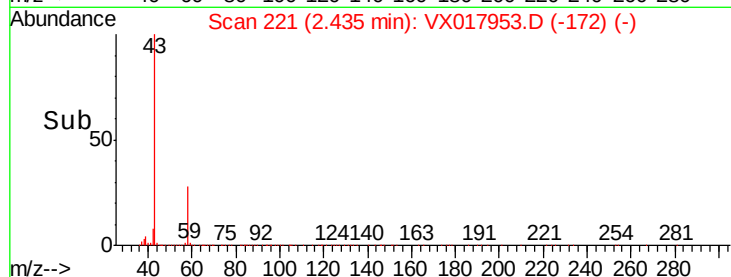
40000

20000

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Time-->

2.40 2.50



#14

Carbon disulfide

Concen: 4.575 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017953.D

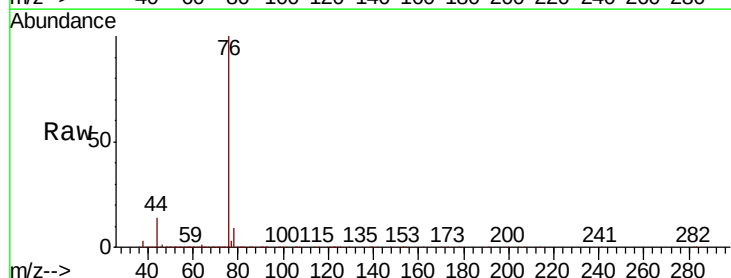
Acq: 18 Aug 2020 09:57

Tgt Ion: 76 Resp: 356492

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.55

250000

200000

150000

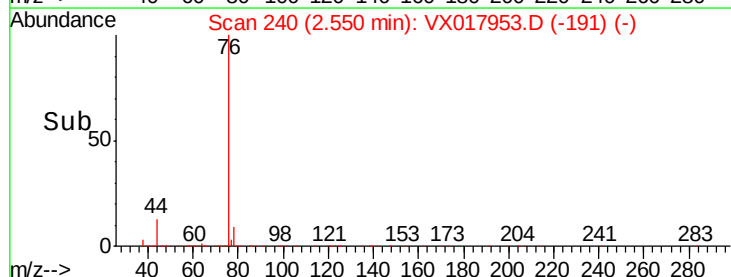
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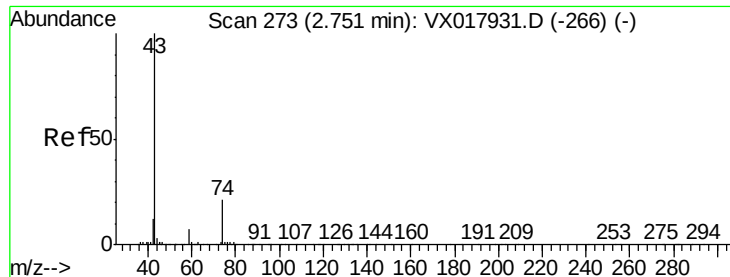
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Time-->

2.50 2.60 2.70

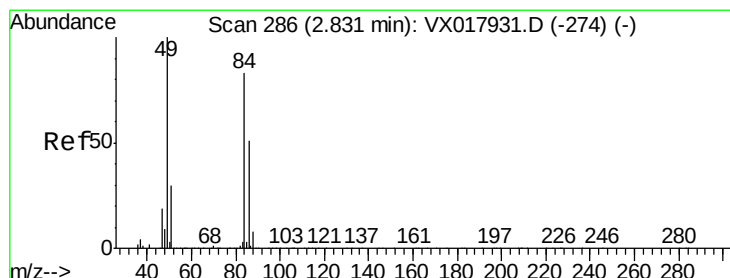
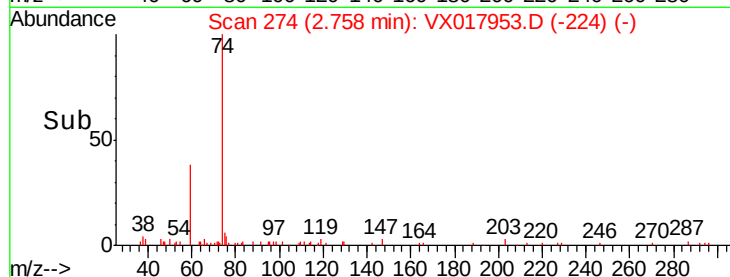
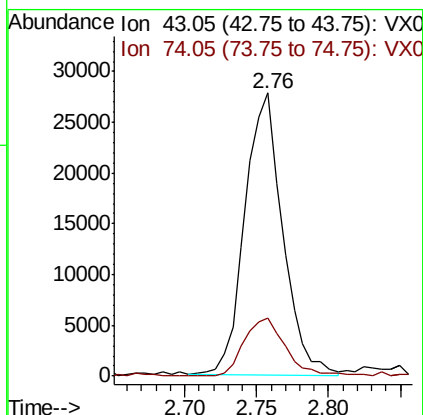
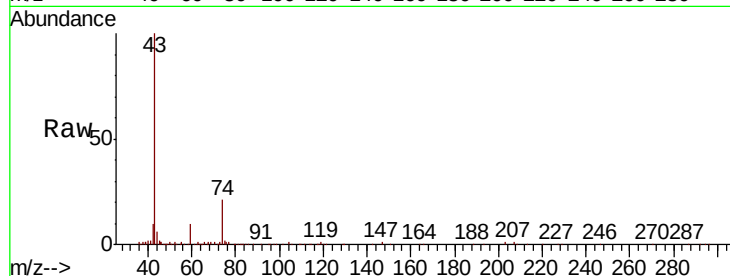




#15
Methyl Acetate
Concen: 4.496 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

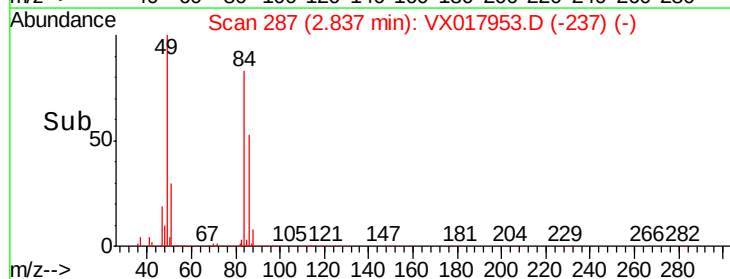
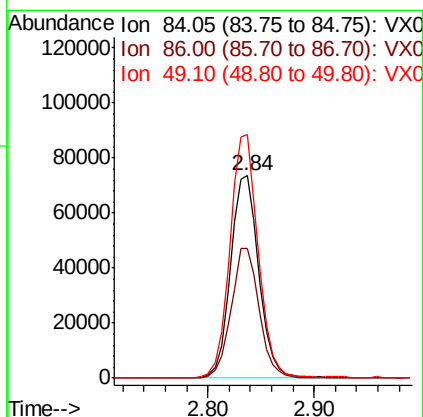
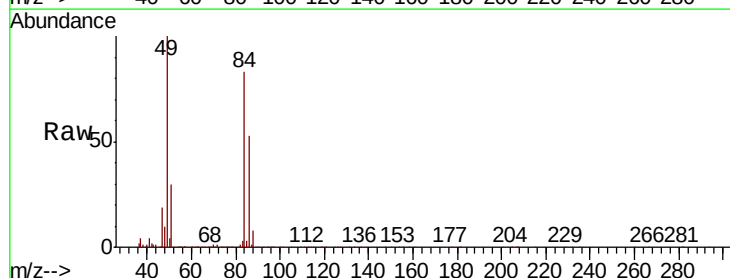
Instrument :
MSVOA_X
ClientSampleId :
VSTD00579

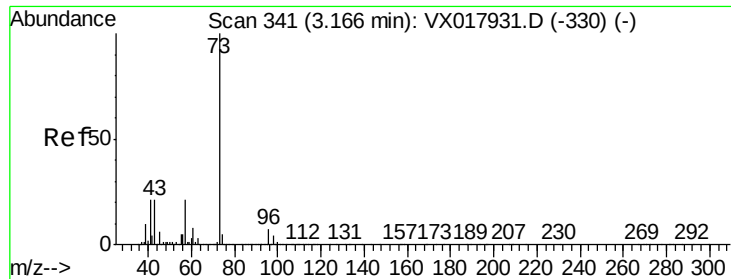
Tot Ion: 43 Resp: 50308
Ion Ratio Lower Upper
43 100
74 22.9 20.4 30.6



#16
Methylene chloride
Concen: 4.575 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Tgt Ion: 84 Resp: 137099
Ion Ratio Lower Upper
84 100
86 64.0 43.0 80.0
49 120.2 86.9 161.3

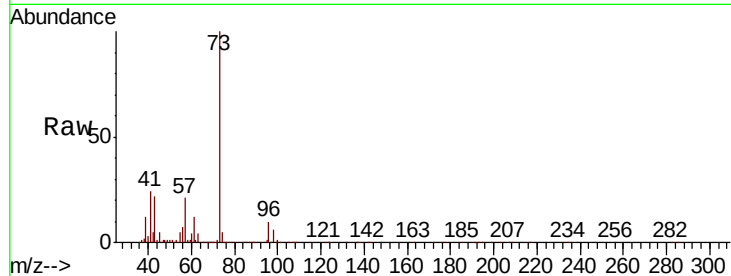




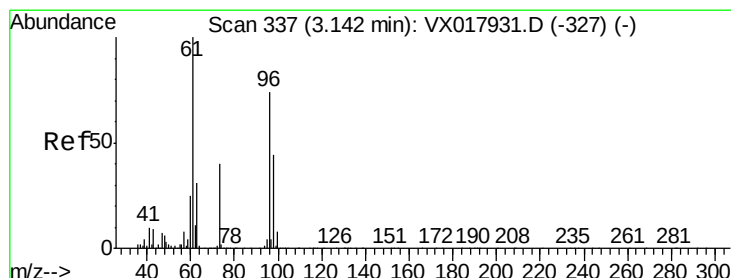
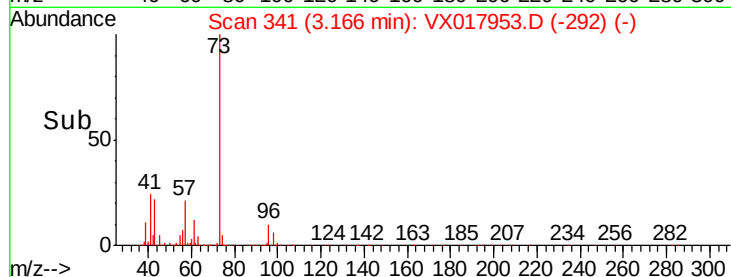
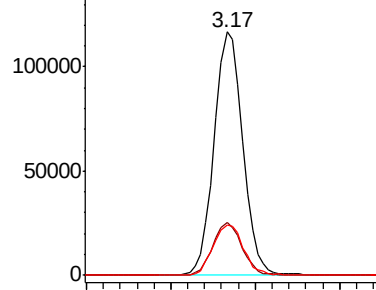
#17
Methyl tert-butyl Ether
Concen: 4.605 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTD00579

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.7	26.5
57	22.0	17.0	25.6

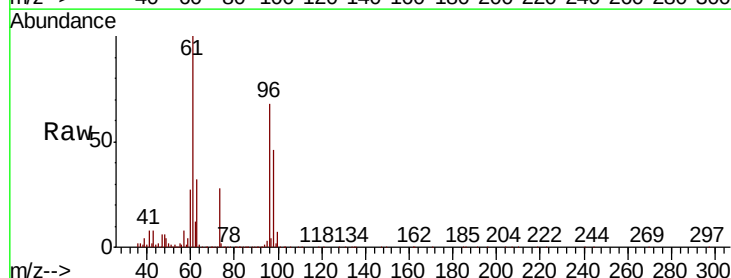


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

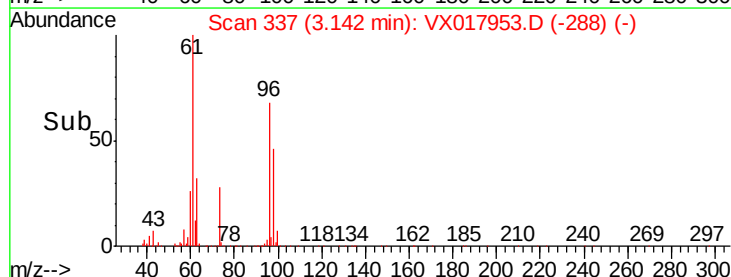
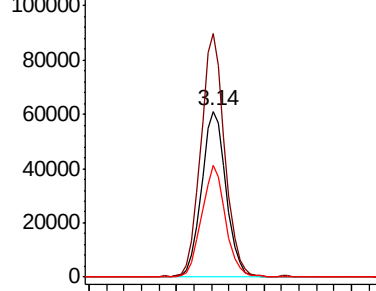


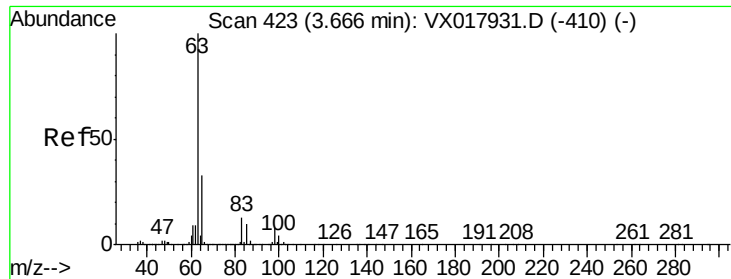
#18
trans-1,2-Dichloroethene
Concen: 4.870 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	98.4	182.8
98	67.5	44.9	83.5



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

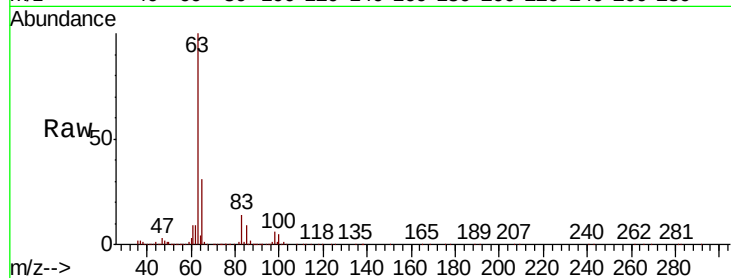




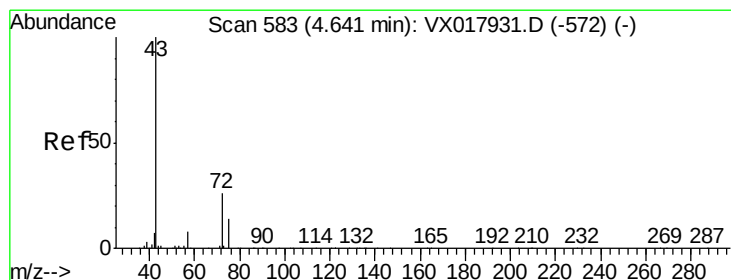
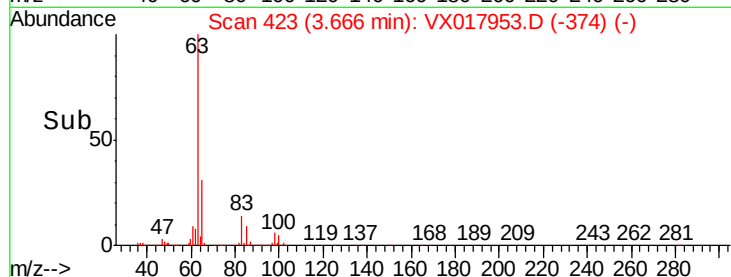
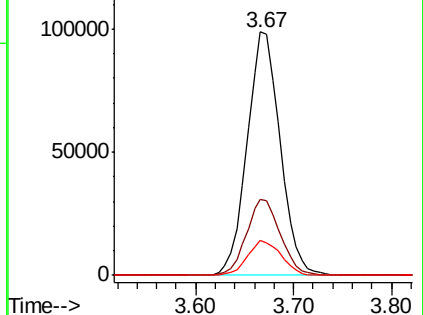
#19
 1,1-Dichloroethane
 Concen: 5.265 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.6	42.0
83	14.3	9.5	17.7

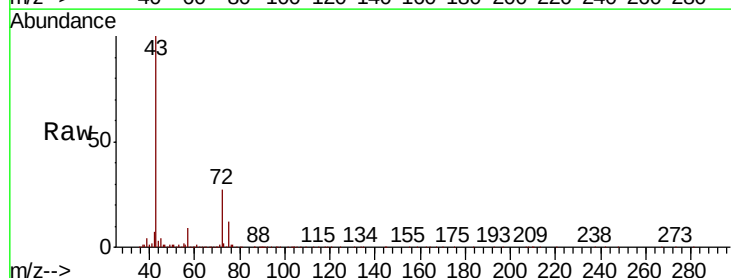


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

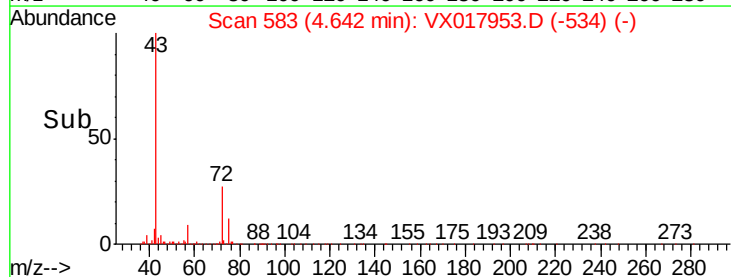
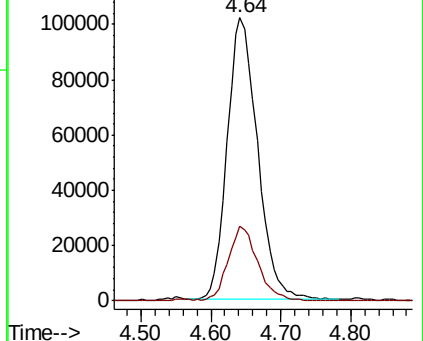


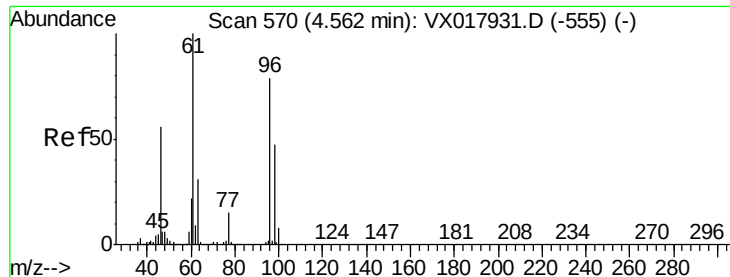
#21
 2-Butanone
 Concen: 46.884 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.2	13.2	39.6



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



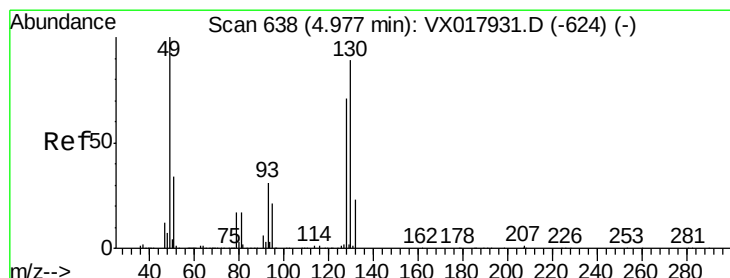
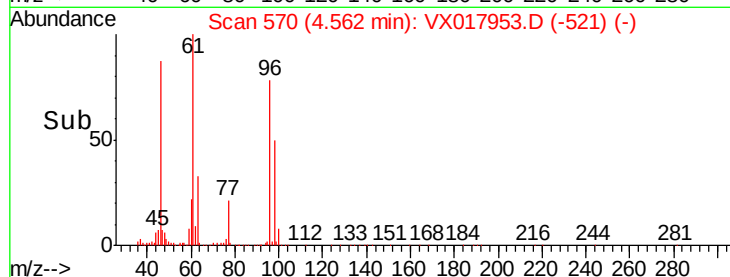
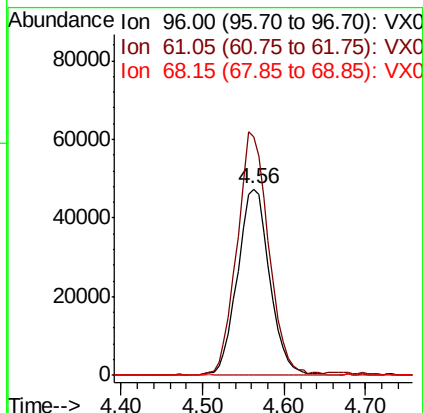
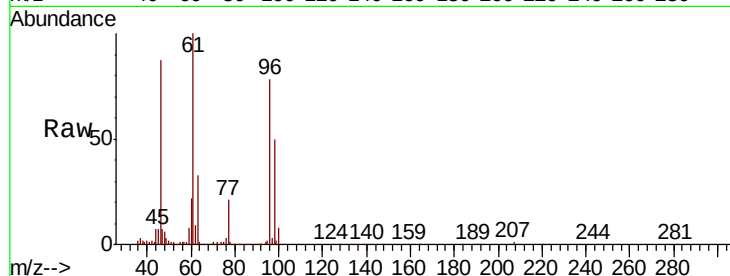


#22

cis-1,2-Dichloroethene
 Concen: 5.024 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

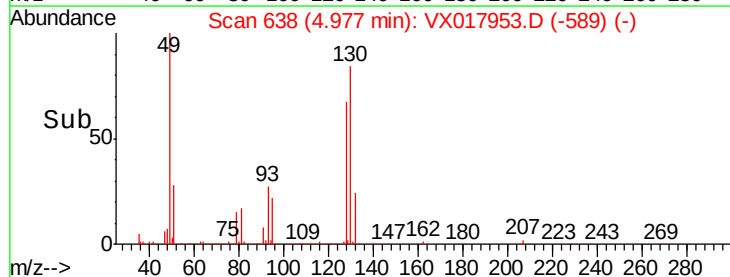
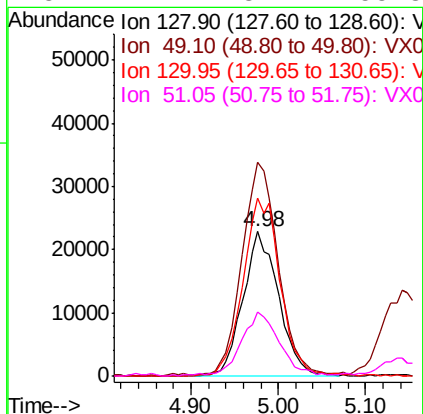
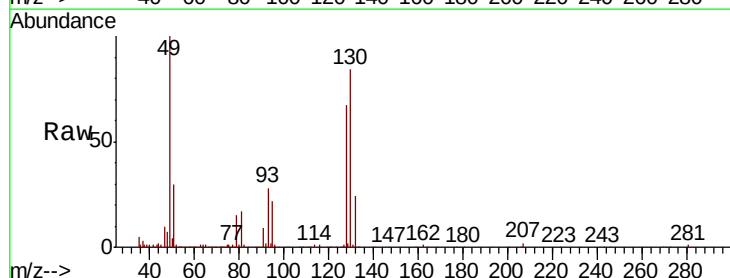
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	88.8	165.0
68	0.2	0.2	0.4#

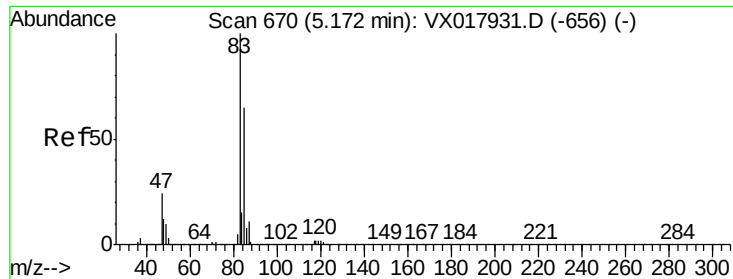


#23

Bromochloromethane
 Concen: 5.352 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.2	100.2	186.0
130	123.8	89.1	165.5
51	44.4	37.2	55.8

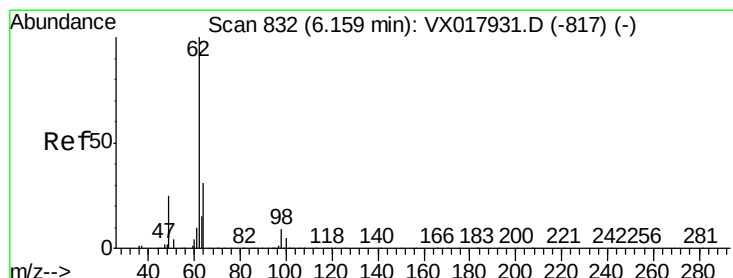
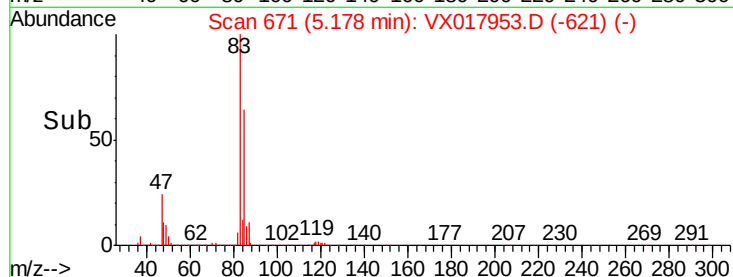
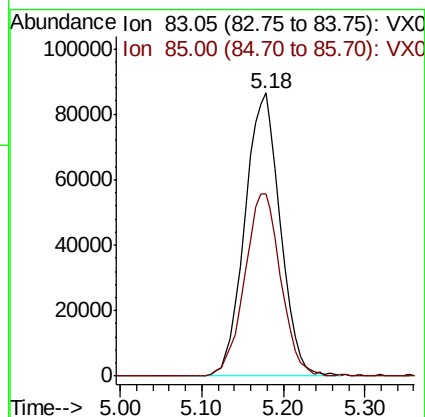
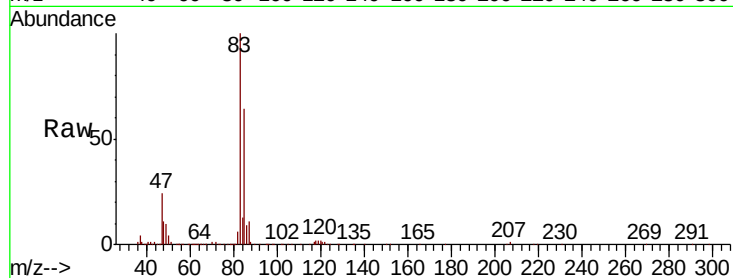




#25
Chloroform
Concen: 5.504 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

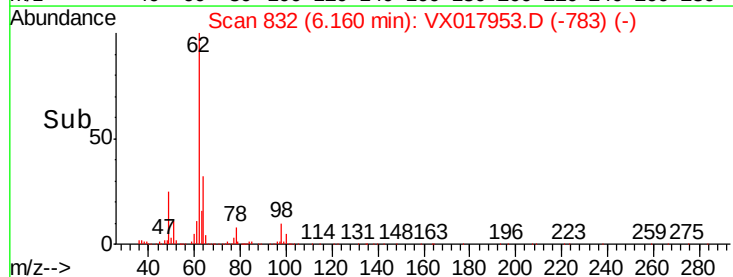
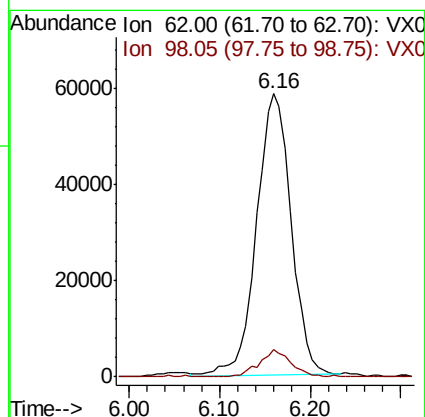
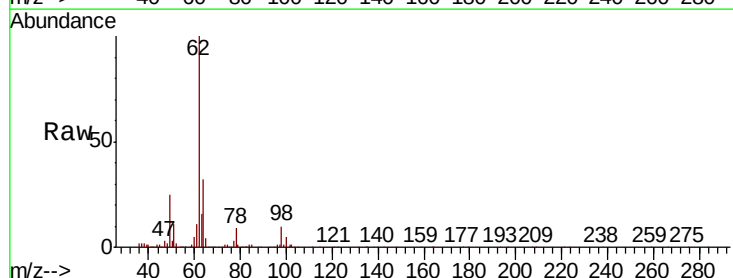
Instrument :
MSVOA_X
ClientSampleId :
VSTD00579

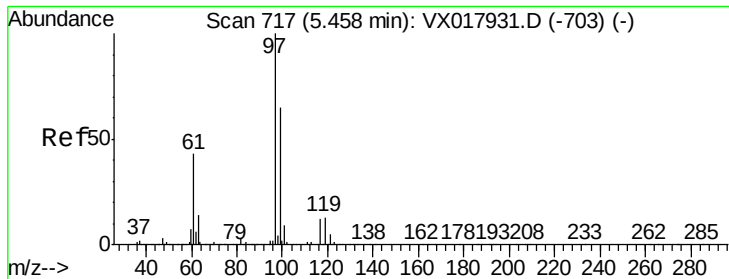
Tot Ion: 83 Resp: 260288
Ion Ratio Lower Upper
83 100
85 64.3 44.7 83.1



#27
1,2-Dichloroethane
Concen: 5.098 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Tgt Ion: 62 Resp: 154653
Ion Ratio Lower Upper
62 100
98 9.6 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.090 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

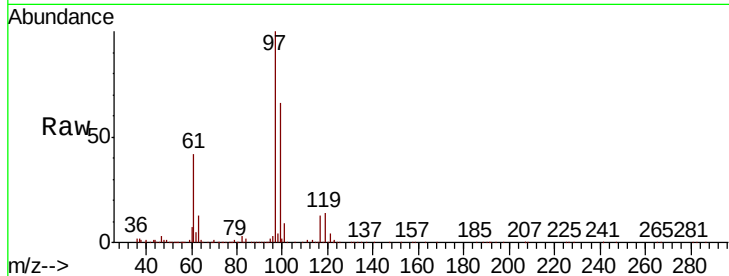
Tot Ion: 97 Resp: 237145

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

61 42.9 33.8 50.6

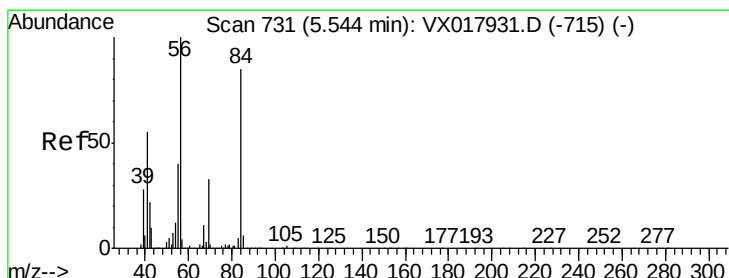
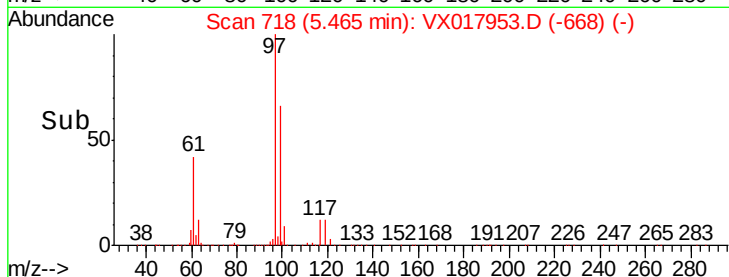
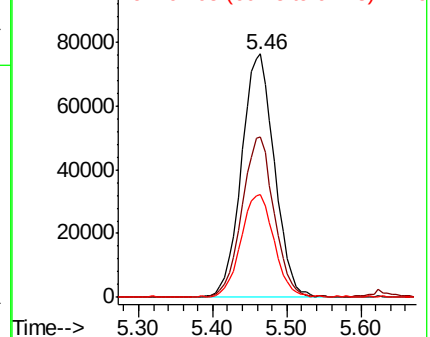


Abundance

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: 4.312 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

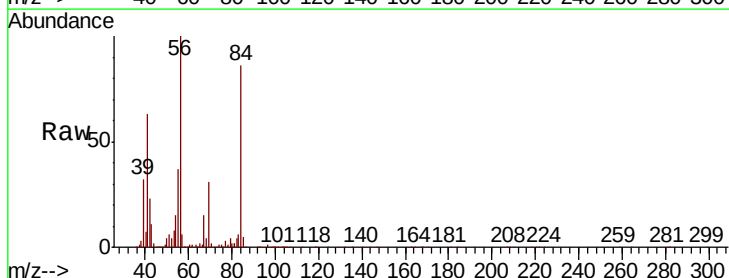
Tgt Ion: 56 Resp: 174297

Ion Ratio Lower Upper

56 100

69 31.0 25.1 37.7

84 88.3 70.7 106.1

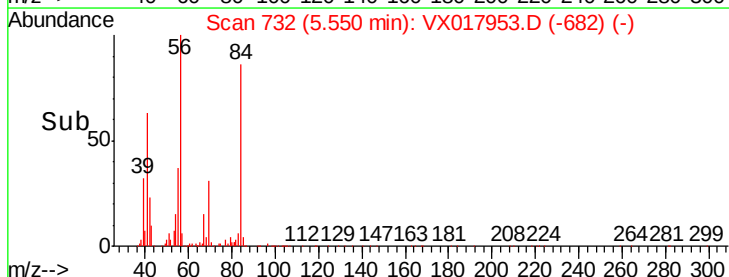
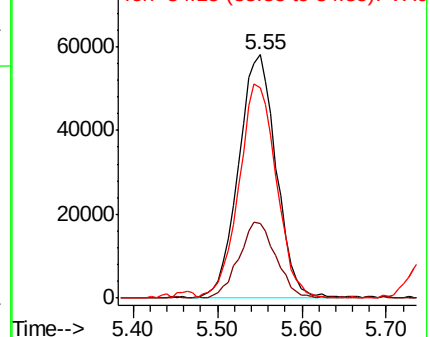


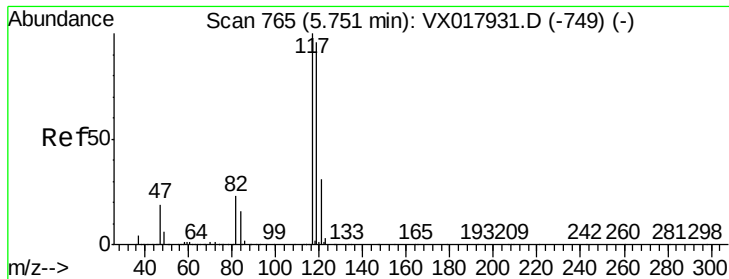
Abundance

Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0



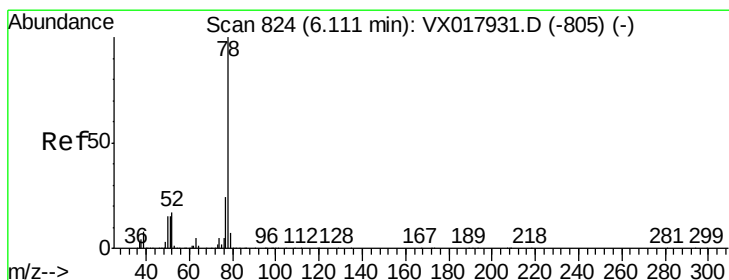
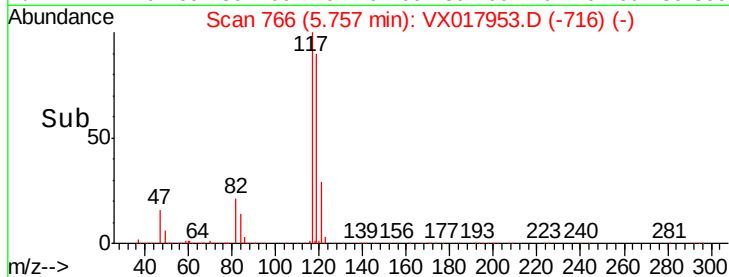
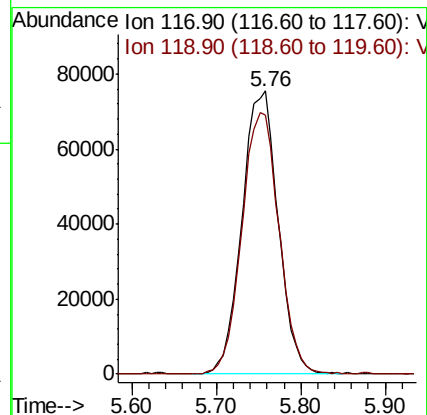
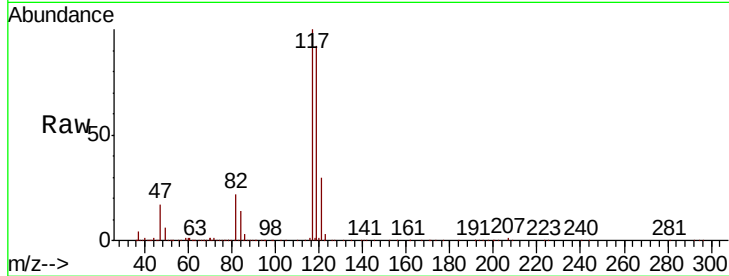


#31

Carbon tetrachloride
Concen: 5.089 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTD00579

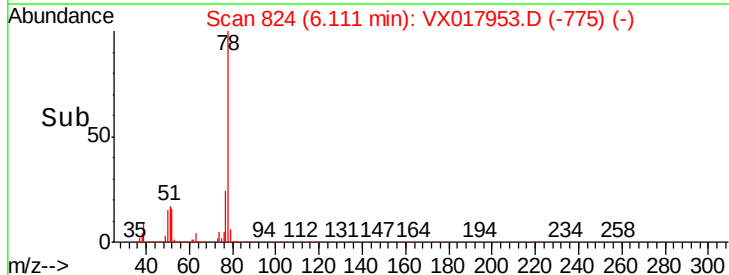
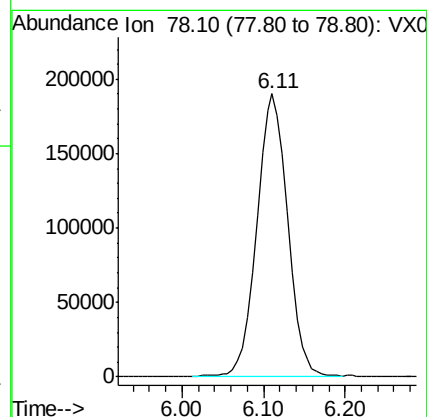
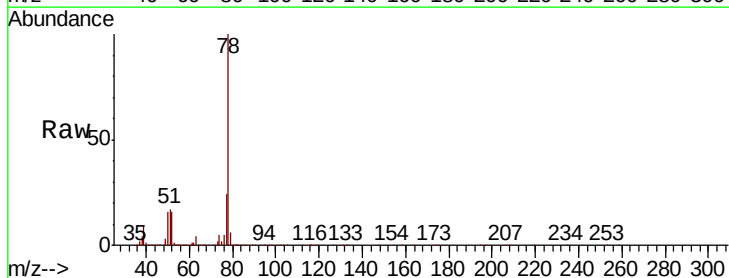
Tot Ion:117 Resp: 218503
Ion Ratio Lower Upper
117 100
119 95.2 77.6 116.4

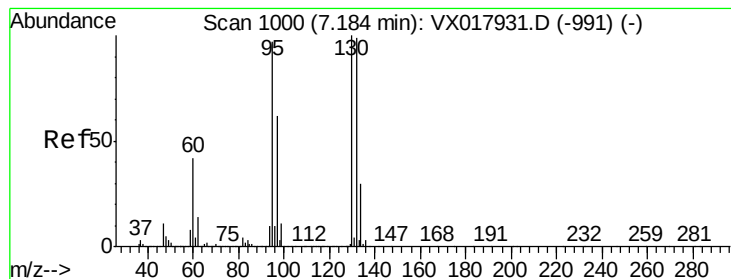


#33

Benzene
Concen: 4.967 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Tgt Ion: 78 Resp: 499283





#34

Trichloroethene

Concen: 4.652 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

Tot Ion: 95 Resp: 136530

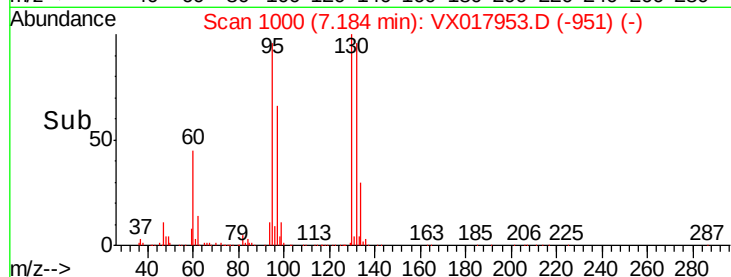
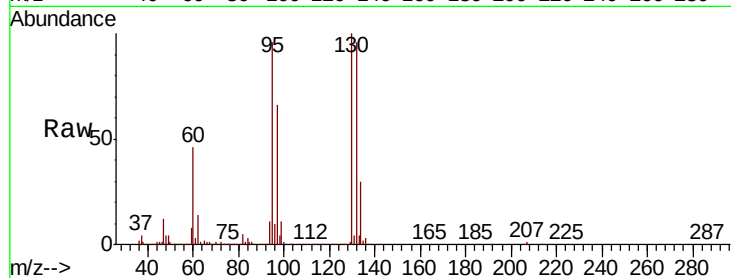
Ion Ratio Lower Upper

95 100

97 69.2 46.1 85.5

132 100.6 66.0 122.6

130 104.3 71.7 133.1

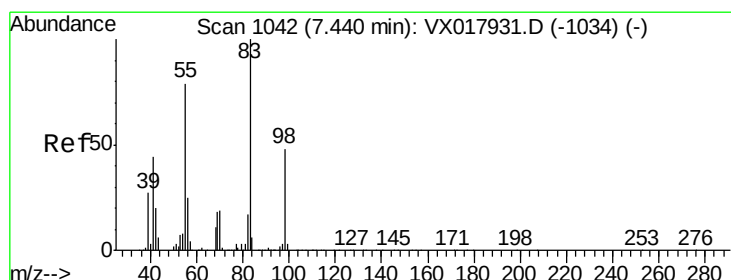
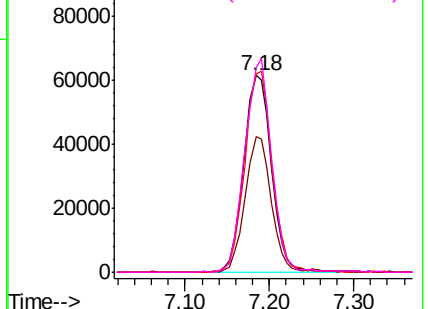


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.487 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

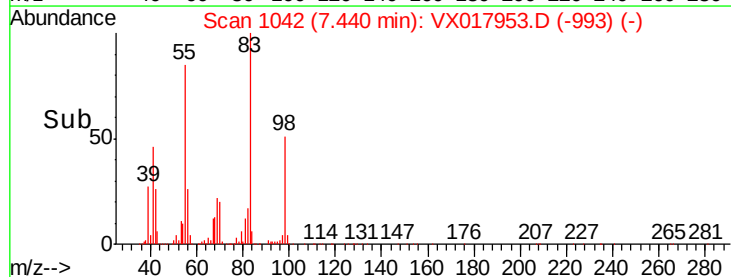
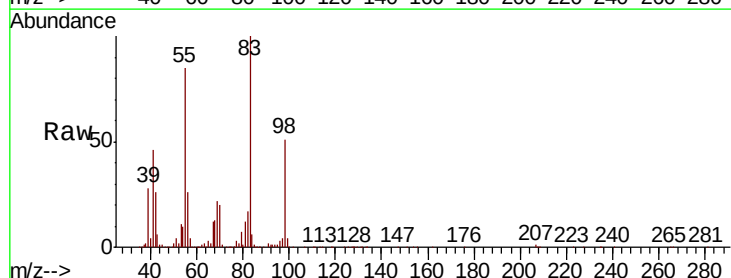
Tgt Ion: 83 Resp: 185119

Ion Ratio Lower Upper

83 100

55 81.5 62.4 93.6

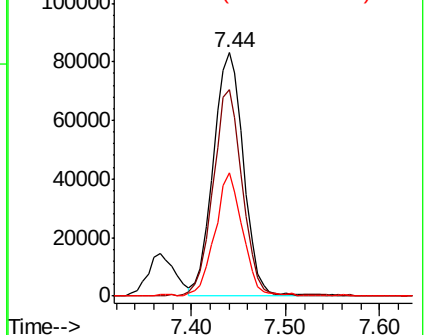
98 46.1 38.0 57.0

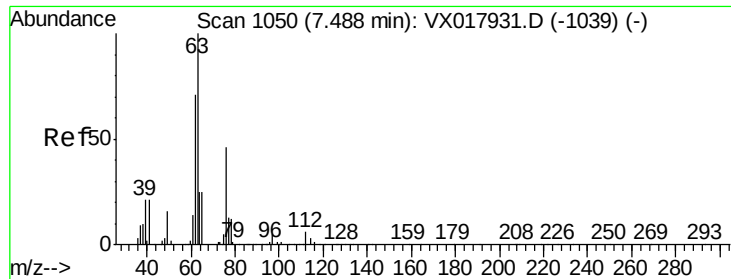


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

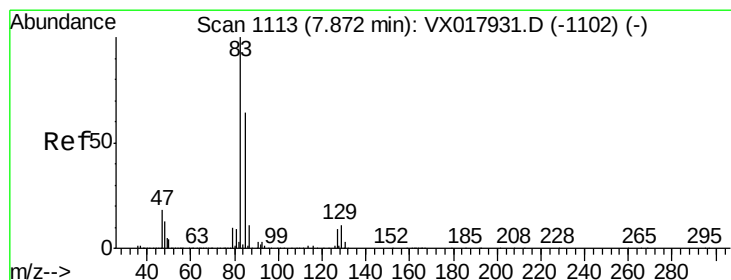
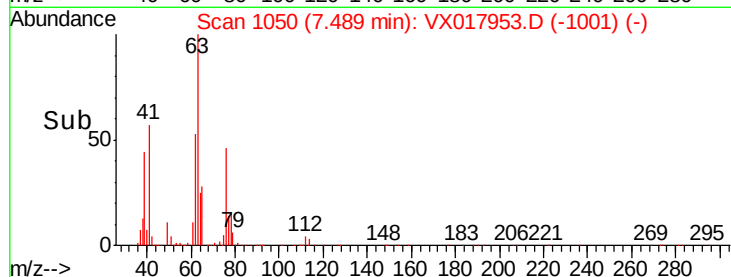
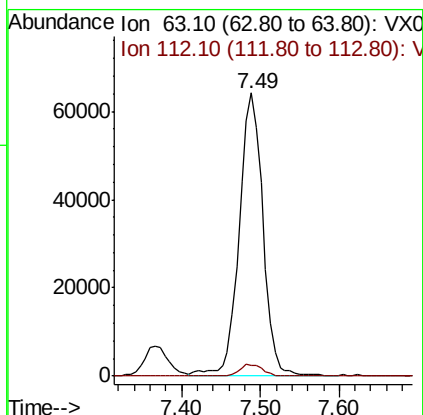
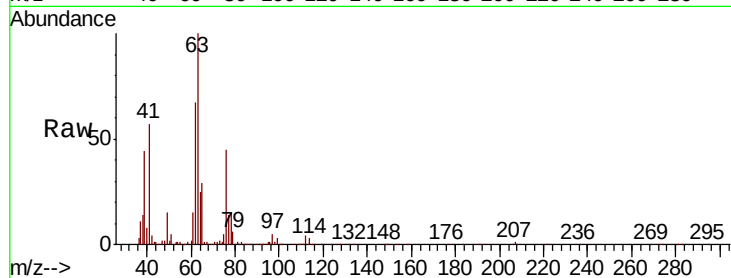




#37
 1,2-Dichloropropane
 Concen: 5.343 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

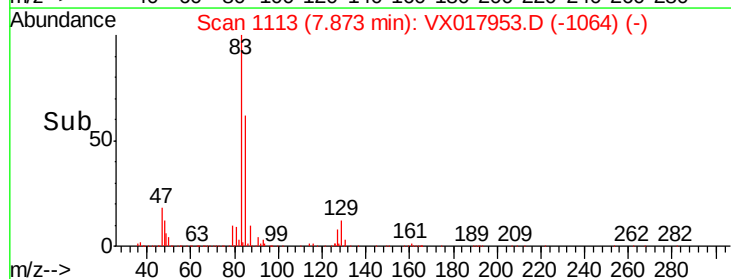
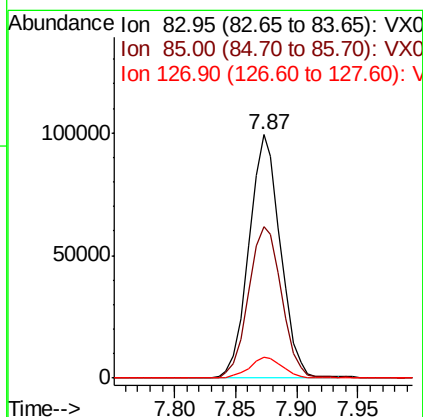
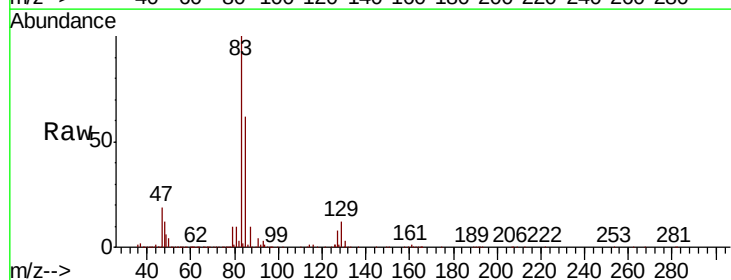
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

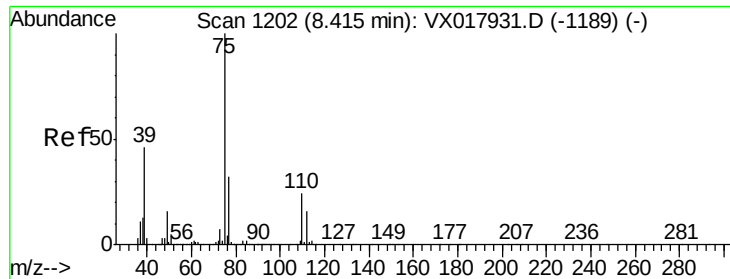
Tot Ion: 63 Resp: 135062
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.057 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Tgt Ion: 83 Resp: 178101
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.9 85.3
 127 8.3 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 4.566 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

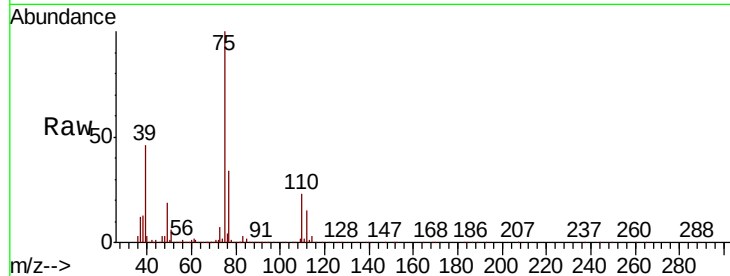
VSTD00579

Tot Ion: 75 Resp: 177729

Ion Ratio Lower Upper

75 100

77 33.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.42

120000

100000

80000

60000

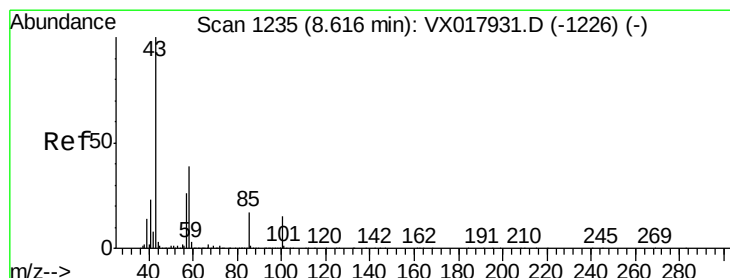
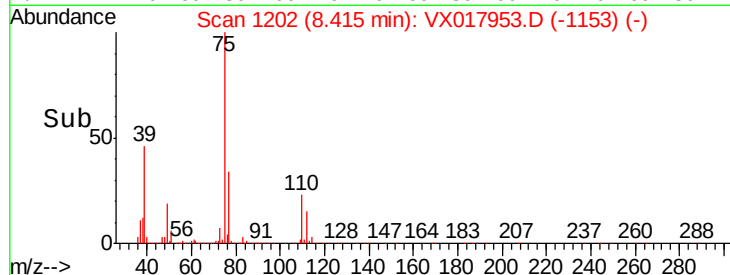
40000

20000

0

Time-->

8.30 8.40 8.50



#40

4-Methyl-2-pentanone

Concen: 45.929 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

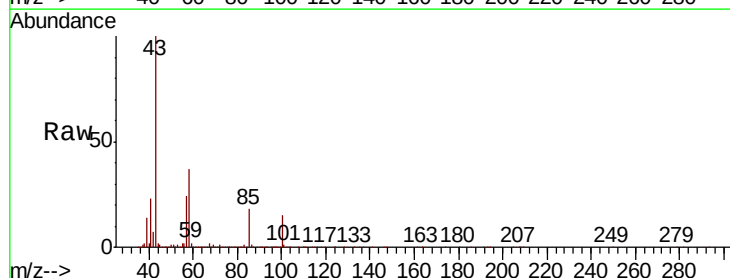
Tgt Ion: 43 Resp: 755966

Ion Ratio Lower Upper

43 100

58 37.7 31.1 46.7

100 14.9 12.2 18.4



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

500000

400000

300000

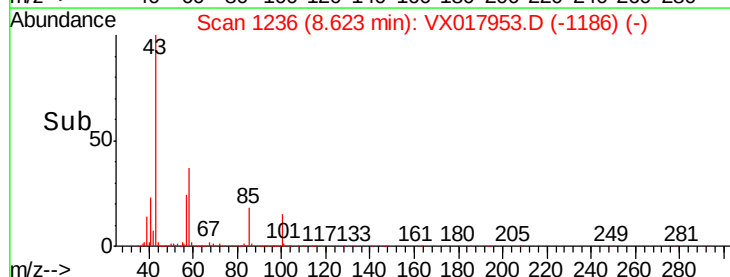
200000

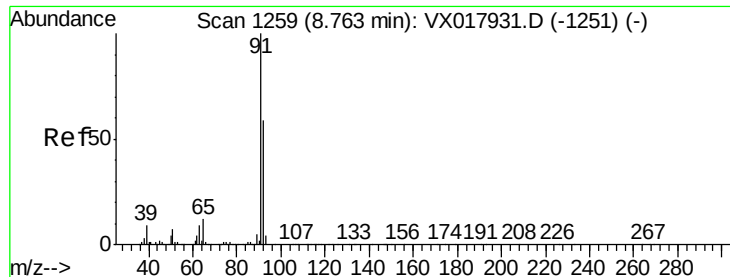
100000

0

Time-->

8.50 8.55 8.60 8.65 8.70





#42

Toluene

Concen: 5.021 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

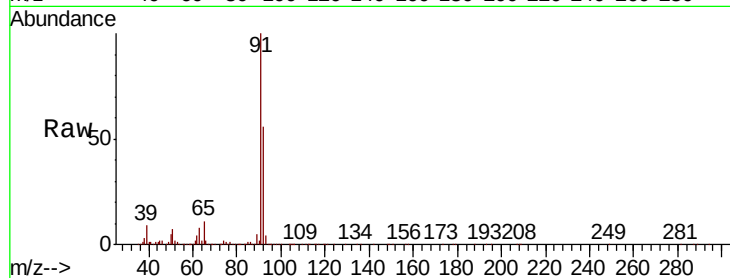
VSTD00579

Tot Ion: 91 Resp: 547947

Ion Ratio Lower Upper

91 100

92 55.9 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.76

400000

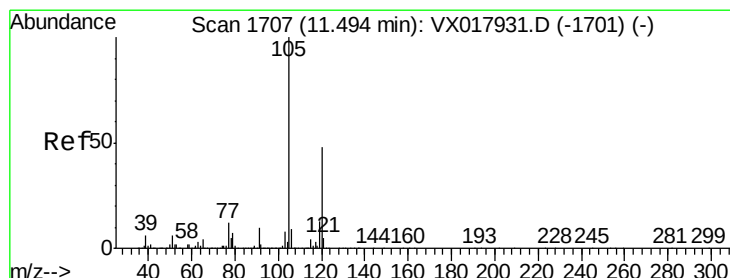
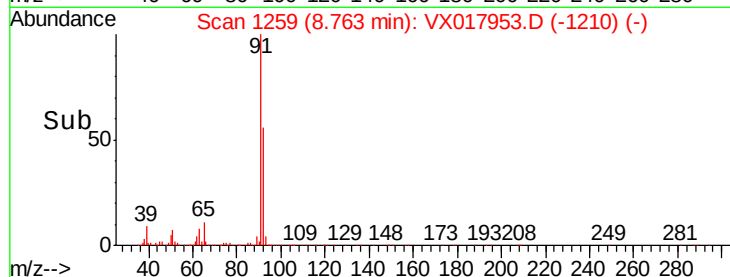
300000

200000

100000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.675 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017953.D

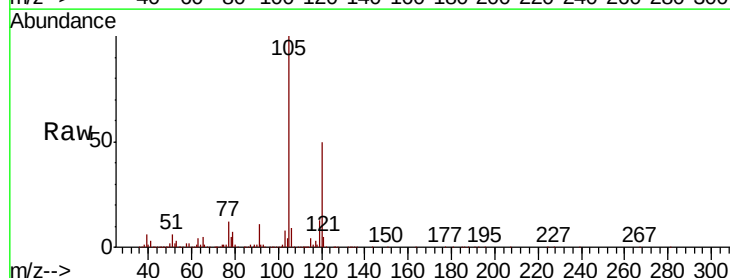
Acq: 18 Aug 2020 09:57

Tgt Ion:105 Resp: 465680

Ion Ratio Lower Upper

105 100

120 49.1 38.1 57.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

400000

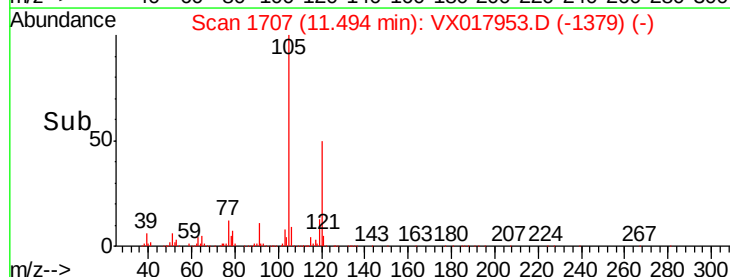
300000

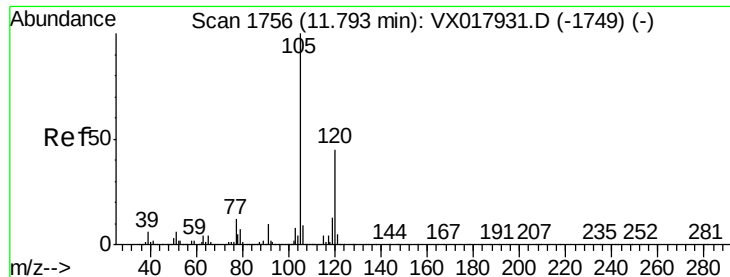
200000

100000

0

Time-->

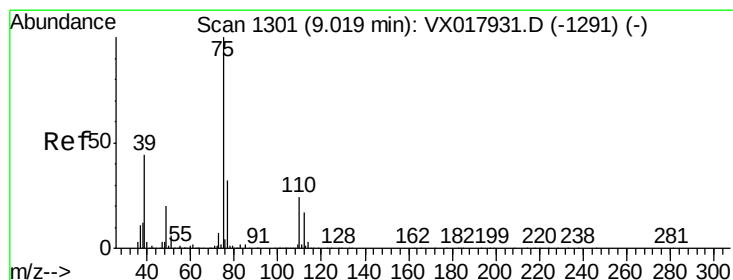
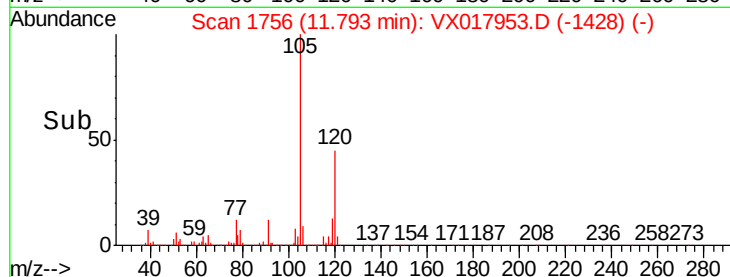
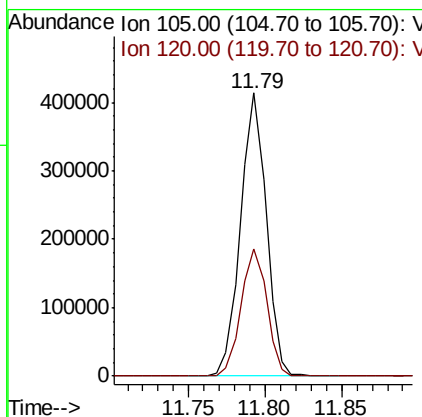
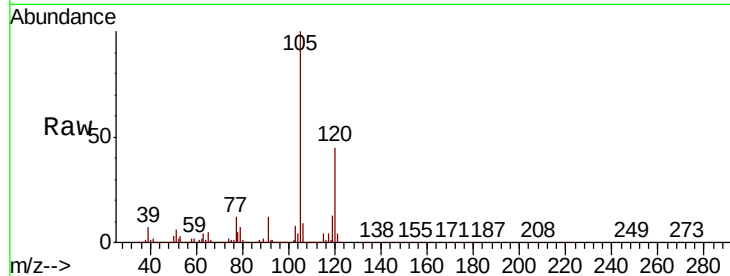




#44
1,2,4-Trimethylbenzene
Concen: 4.756 ug/L
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

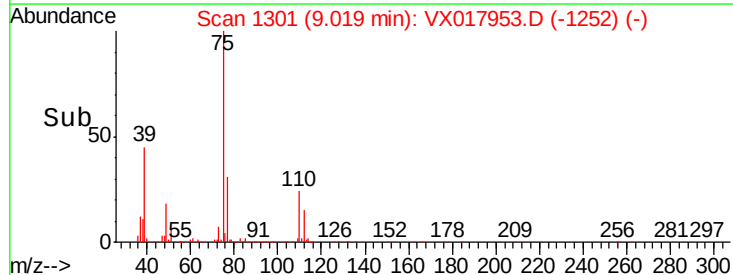
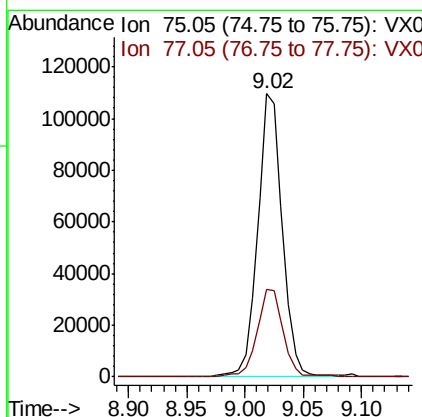
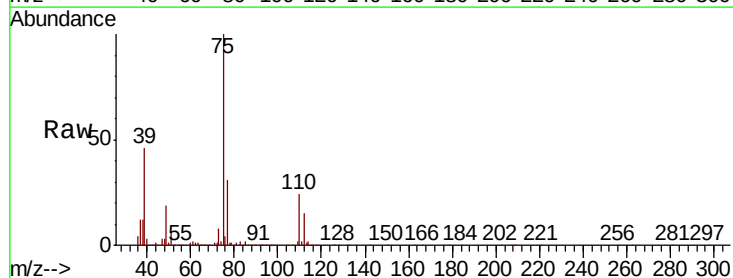
Instrument :
MSVOA_X
ClientSampled :
VSTD00579

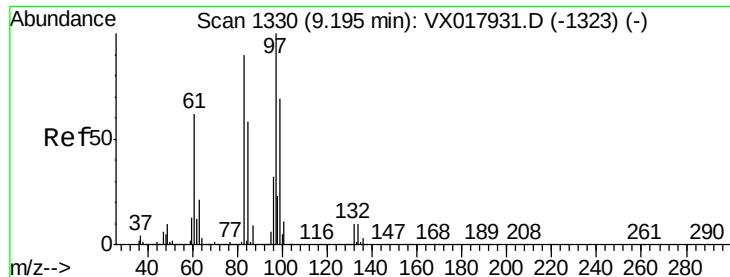
Tot Ion:105 Resp: 482422
Ion Ratio Lower Upper
105 100
120 45.3 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 4.623 ug/L
RT: 9.02 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Tgt Ion: 75 Resp: 160496
Ion Ratio Lower Upper
75 100
77 30.8 21.6 40.2

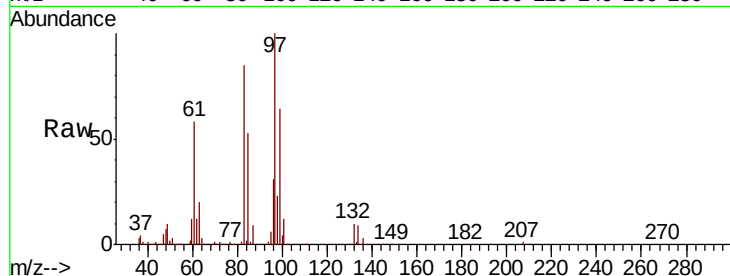




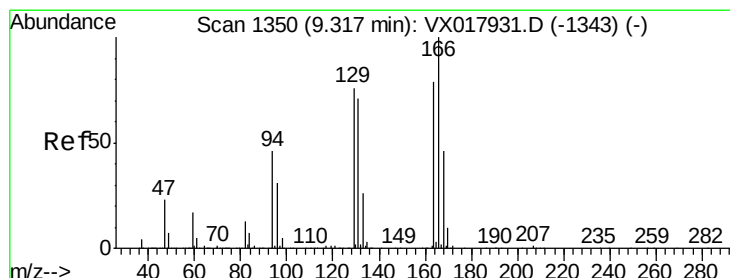
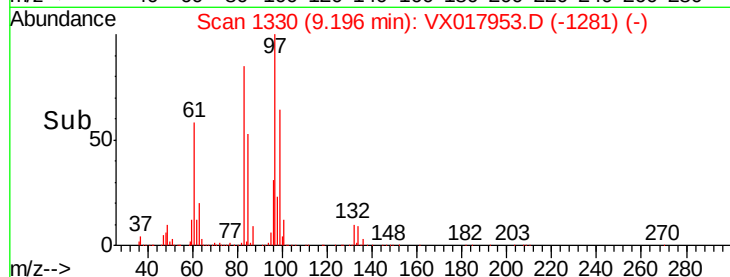
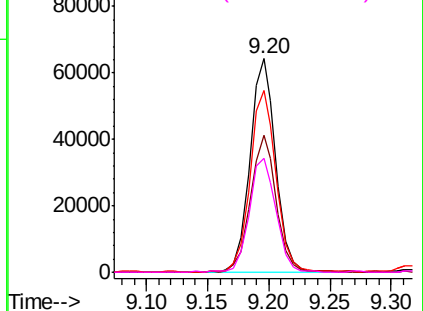
#47
 1,1,2-Trichloroethane
 Concen: 4.938 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

Tot Ion:	97	Resp:	93662
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.9	81.5
83	84.9	58.4	108.6
85	53.4	37.5	69.6

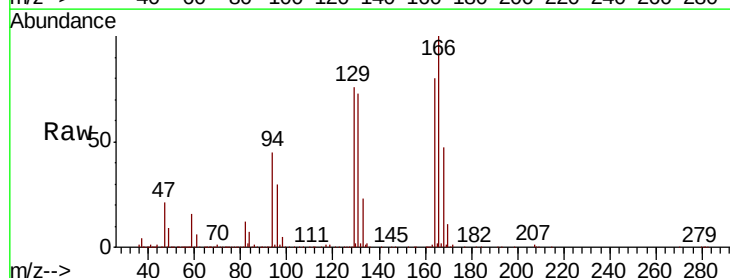


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

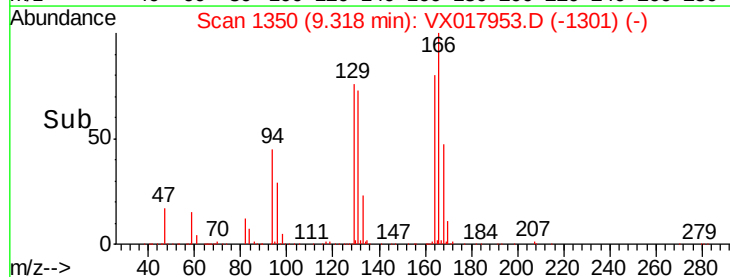
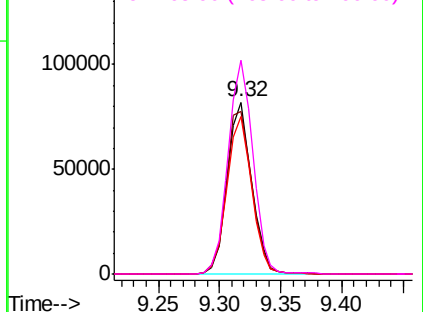


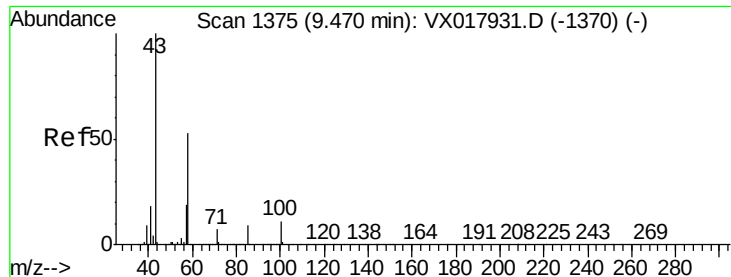
#49
 Tetrachloroethene
 Concen: 4.826 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Tgt Ion:	164	Resp:	113288
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.4	125.2
131	91.4	65.3	121.3
166	124.3	87.2	161.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

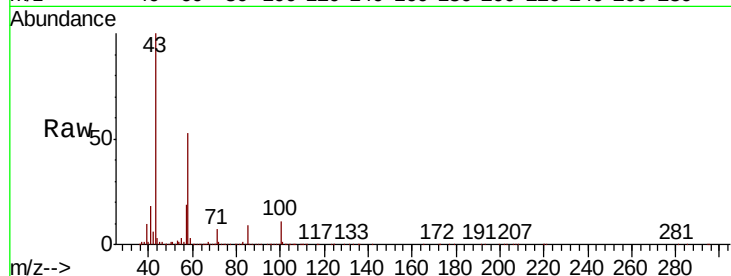




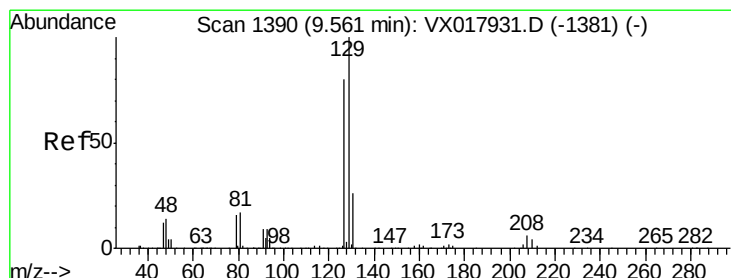
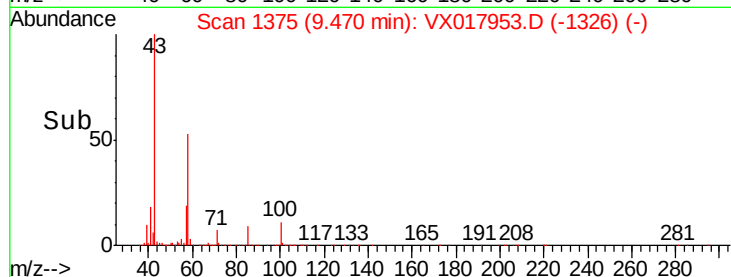
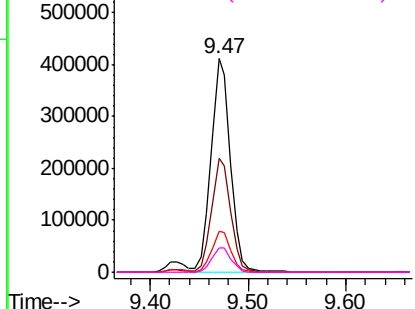
#50
2-Hexanone
Concen: 47.817 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTD00579

Tot Ion:	43	Resp:	564135
Ion	Ratio	Lower	Upper
43	100		
58	52.5	43.0	64.6
57	18.9	15.0	22.4
100	11.7	9.2	13.8

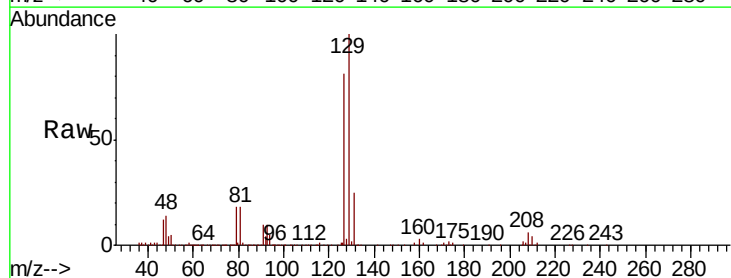


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

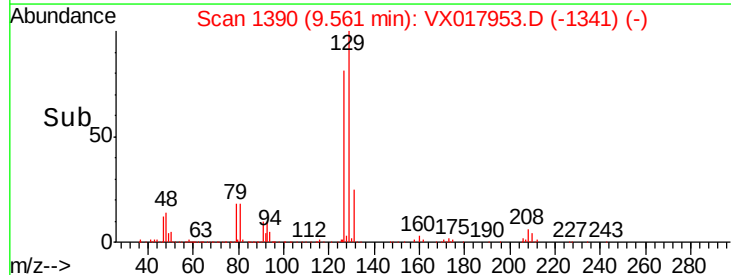
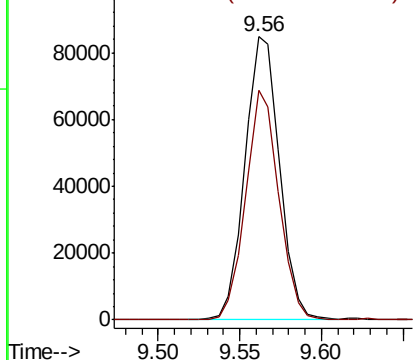


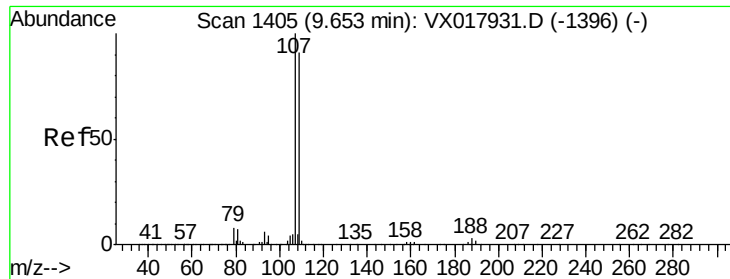
#51
Dibromochloromethane
Concen: 4.801 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX017953.D
Acq: 18 Aug 2020 09:57

Tgt Ion:	129	Resp:	125448
Ion	Ratio	Lower	Upper
129	100		
127	81.3	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 4.831 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

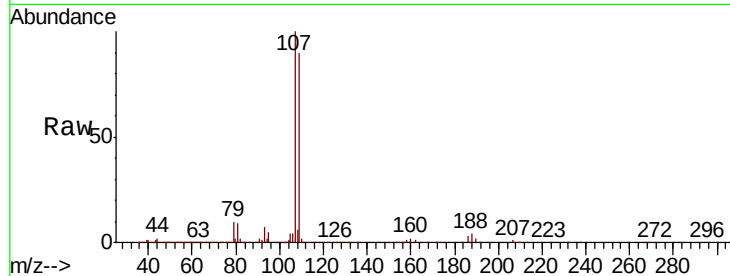
Tot Ion:107 Resp: 89708

Ion Ratio Lower Upper

107 100

109 90.3 64.6 120.0

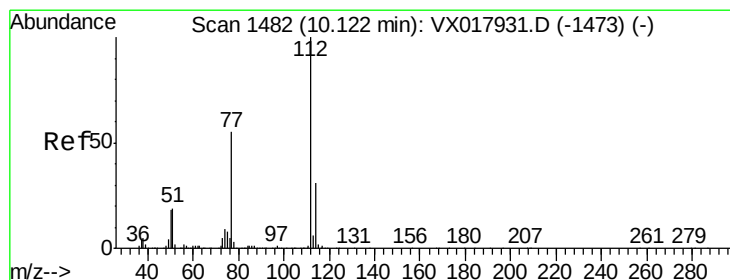
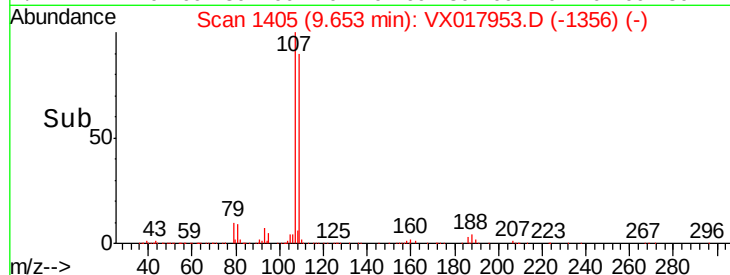
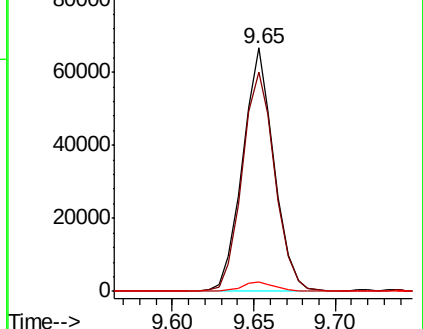
188 3.8 2.5 3.7#



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: 4.995 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

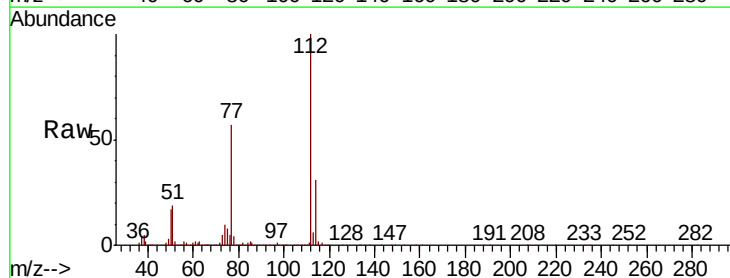
Tgt Ion:112 Resp: 354791

Ion Ratio Lower Upper

112 100

114 30.5 23.5 43.7

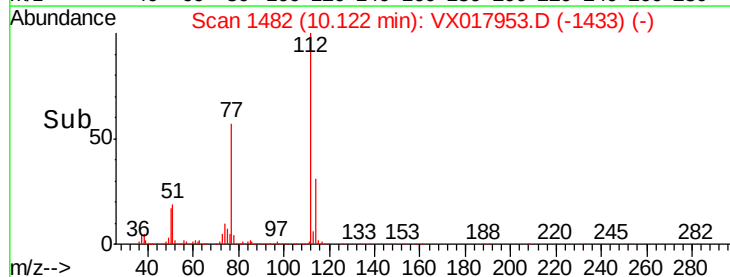
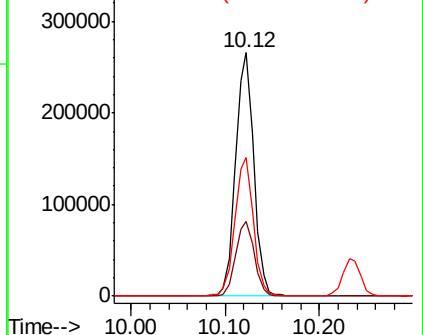
77 57.2 46.7 70.1

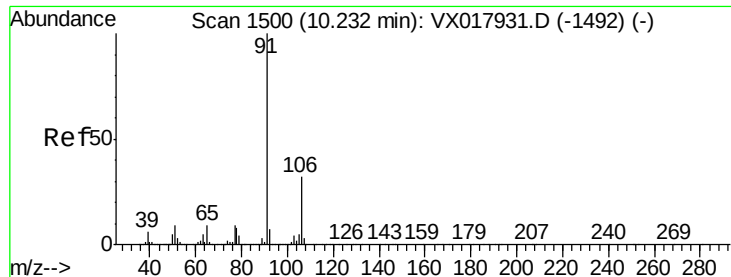


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 4.802 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

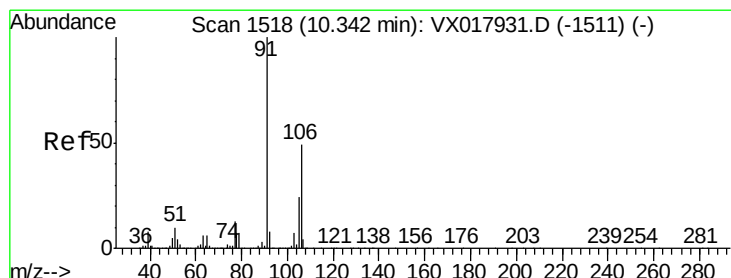
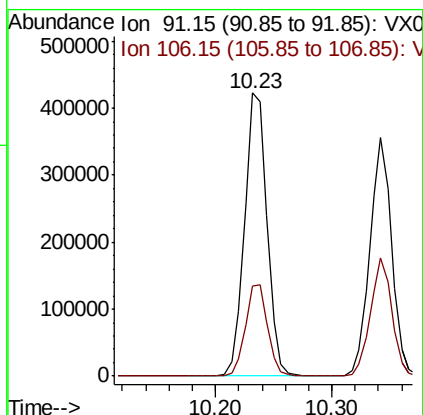
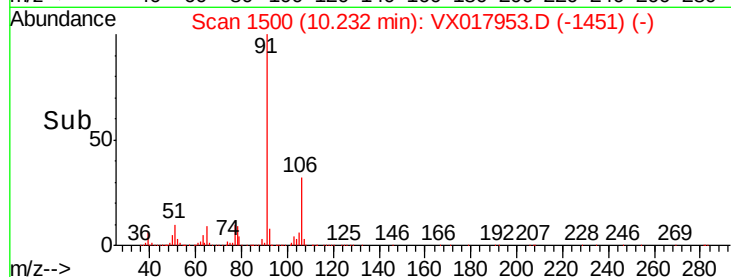
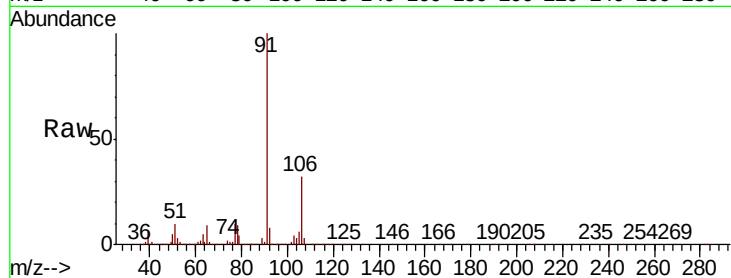
VSTD00579

Tot Ion: 91 Resp: 571951

Ion Ratio Lower Upper

91 100

106 31.9 22.5 41.9



#55

m,p-xylene

Concen: 4.981 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017953.D

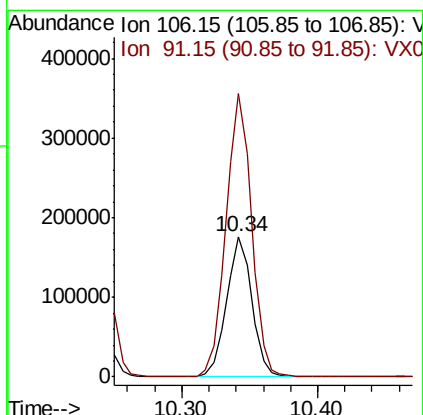
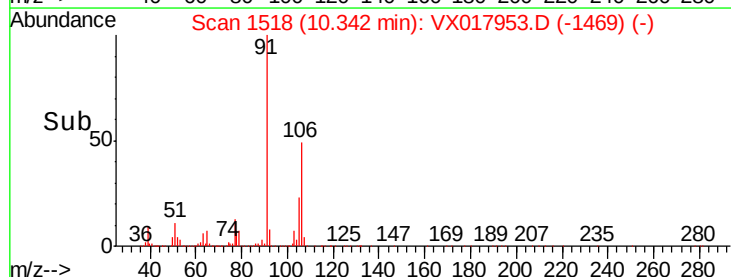
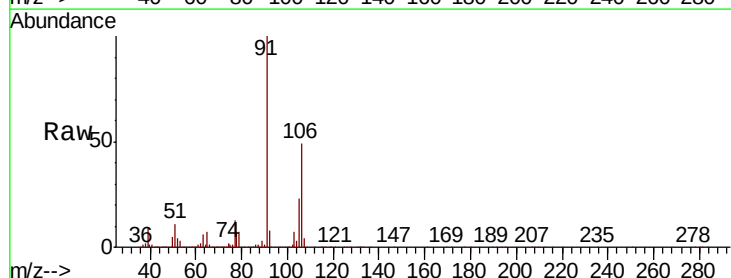
Acq: 18 Aug 2020 09:57

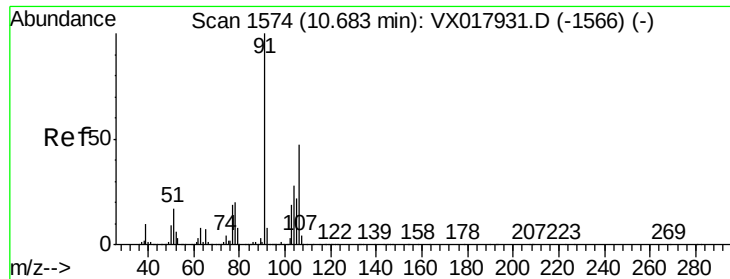
Tgt Ion: 106 Resp: 226527

Ion Ratio Lower Upper

106 100

91 202.1 143.3 266.1





#56

o-xylene

Concen: 4.837 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

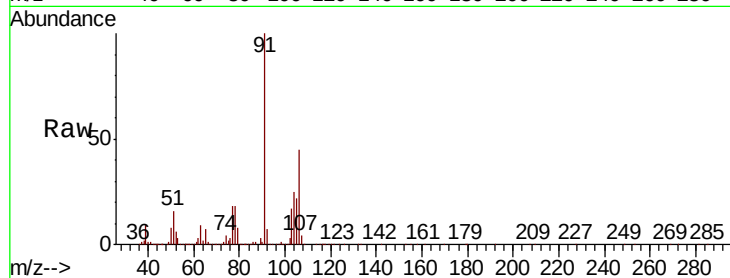
VSTD00579

Tot Ion:106 Resp: 213255

Ion Ratio Lower Upper

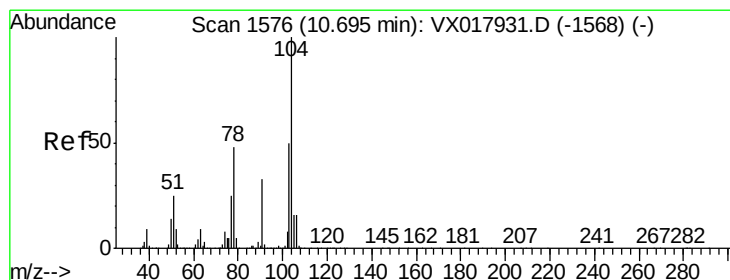
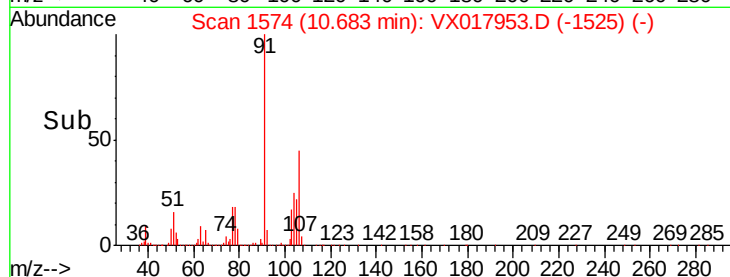
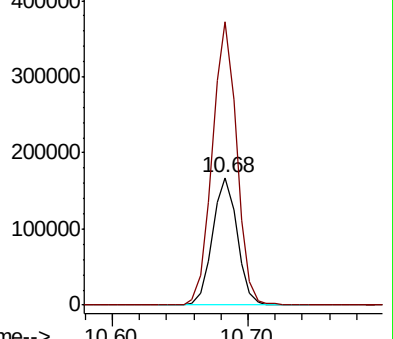
106 100

91 221.4 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#57

Styrene

Concen: 5.075 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017953.D

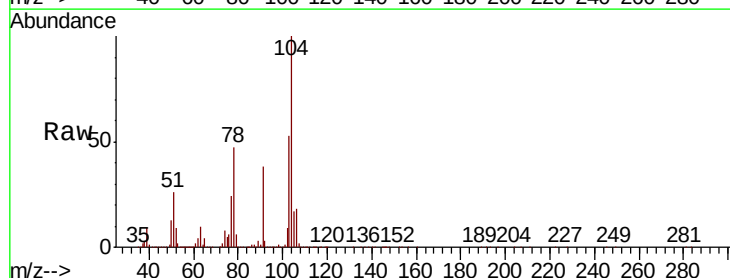
Acq: 18 Aug 2020 09:57

Tgt Ion:104 Resp: 378434

Ion Ratio Lower Upper

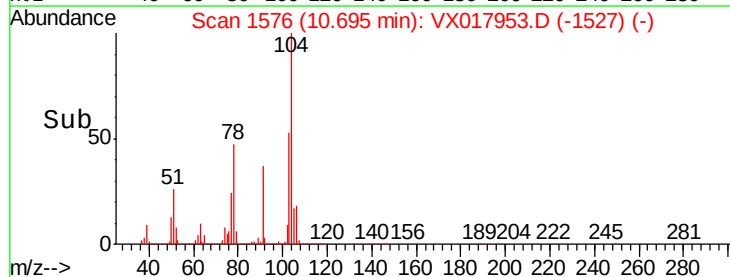
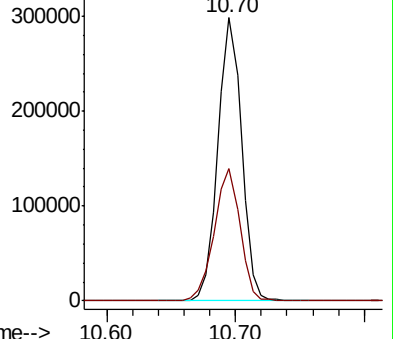
104 100

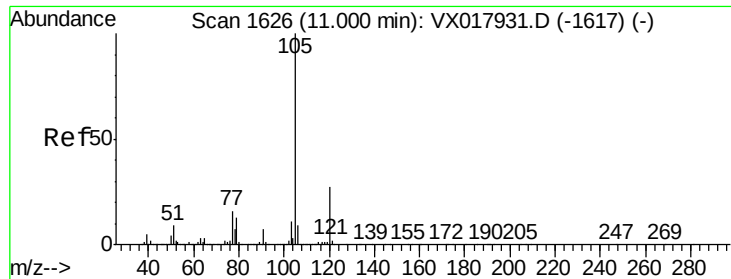
78 46.6 33.7 62.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 4.913 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

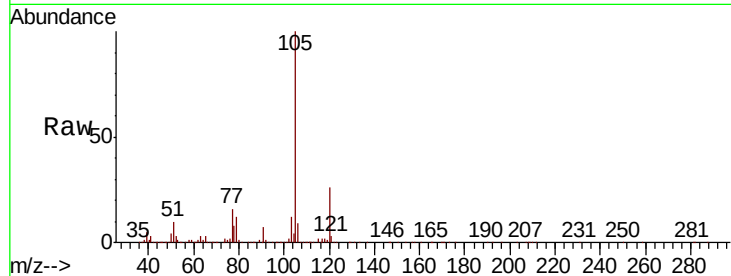
Tot Ion:105 Resp: 579790

Ion Ratio Lower Upper

105 100

120 26.3 21.8 32.6

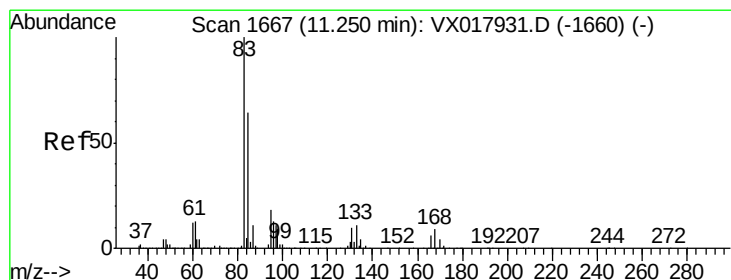
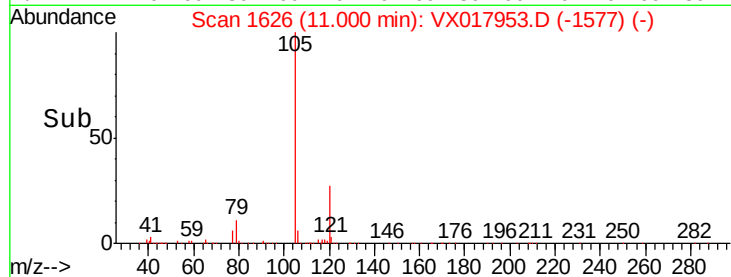
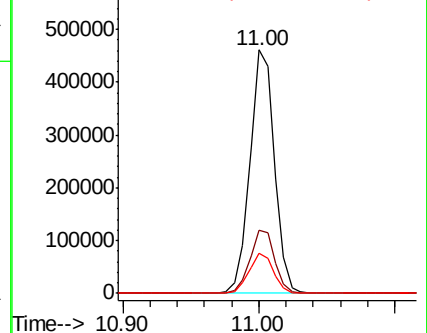
77 16.3 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.005 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

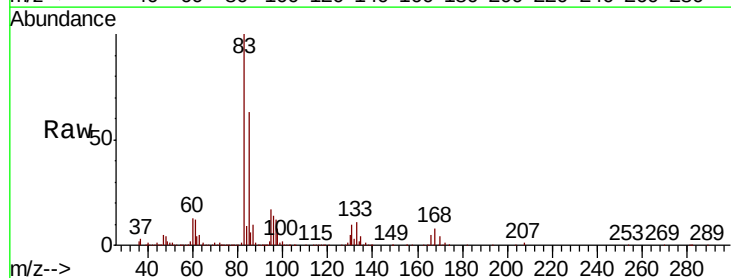
Tgt Ion: 83 Resp: 104267

Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

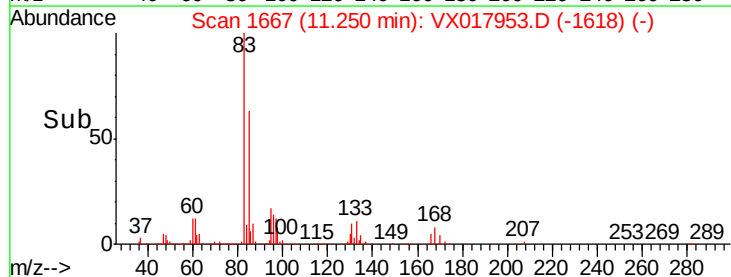
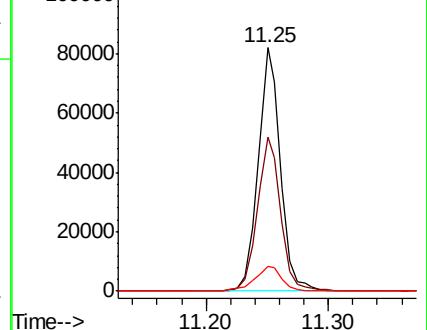
131 10.0 8.2 12.2

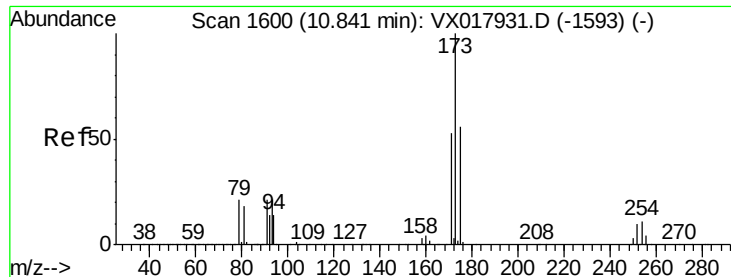


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.850 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

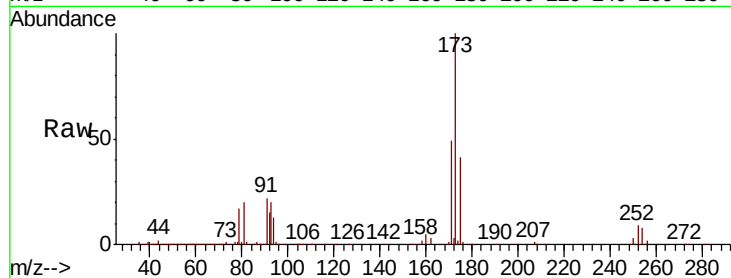
Tot Ion:173 Resp: 72856

Ion Ratio Lower Upper

173 100

175 46.3 40.0 60.0

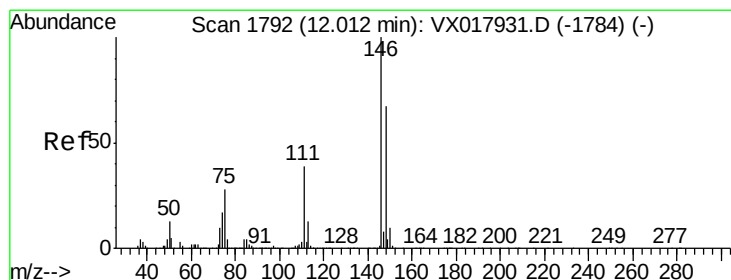
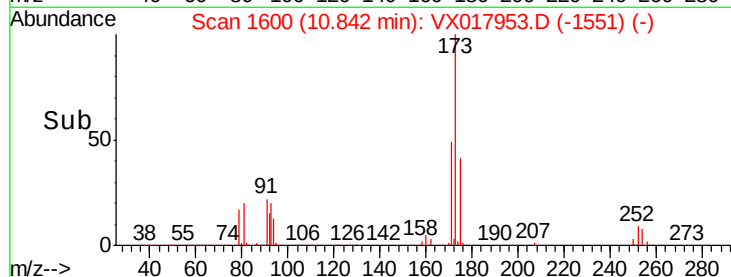
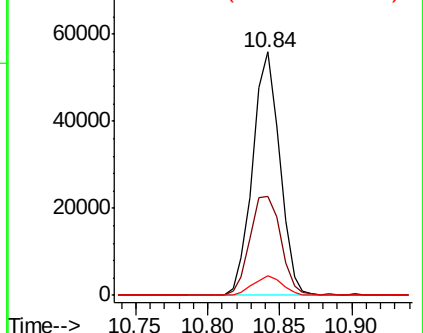
254 8.6 7.7 11.5



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: 4.927 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

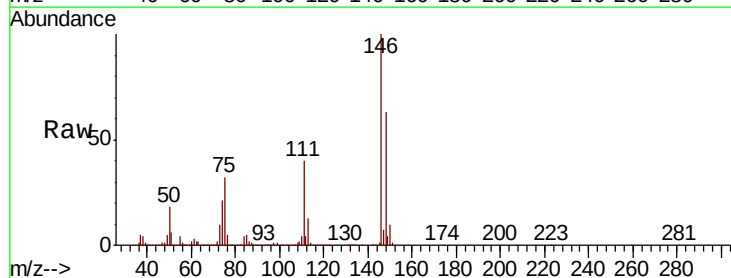
Tgt Ion:146 Resp: 288238

Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.4

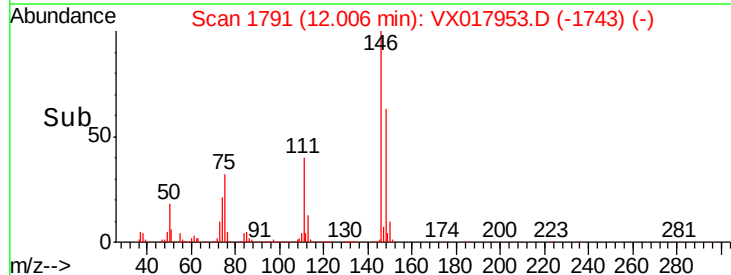
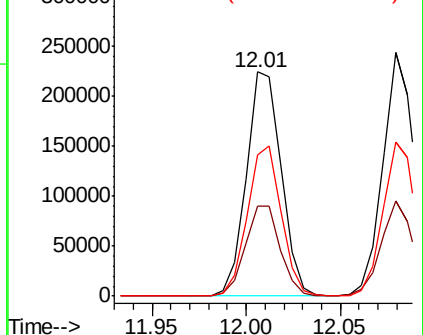
148 62.9 43.9 81.5

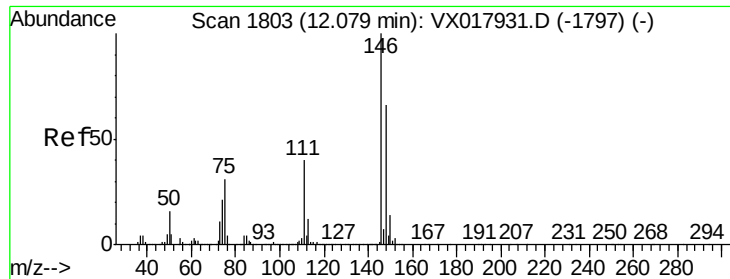


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

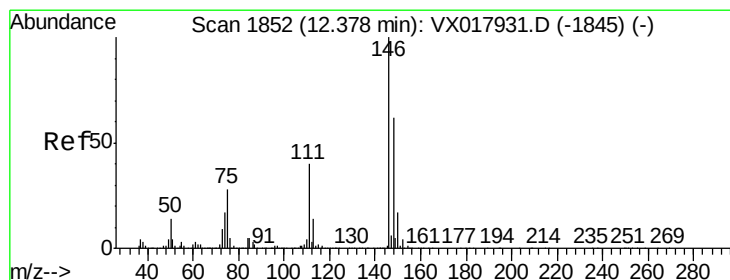
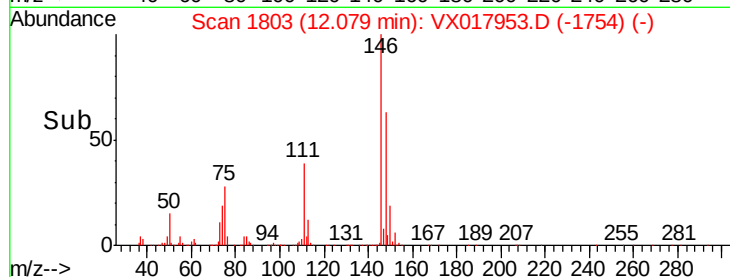
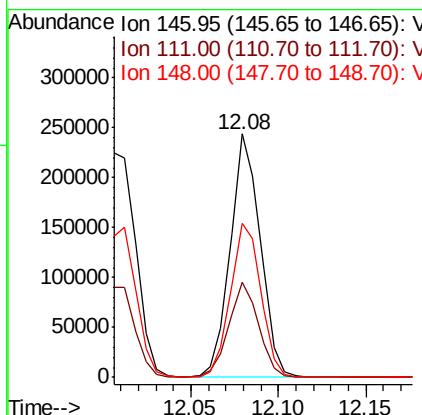
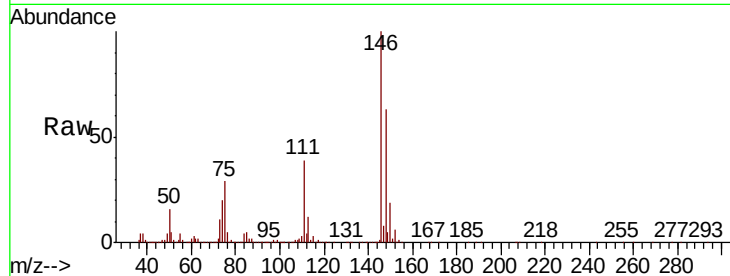




#64
 1,4-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

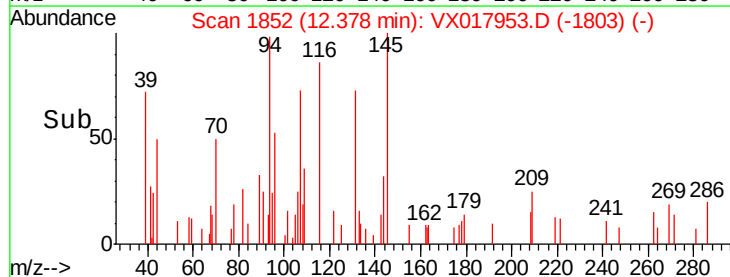
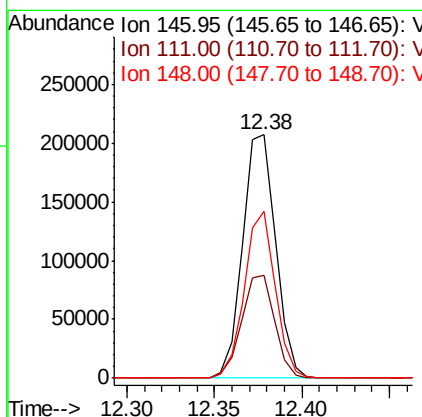
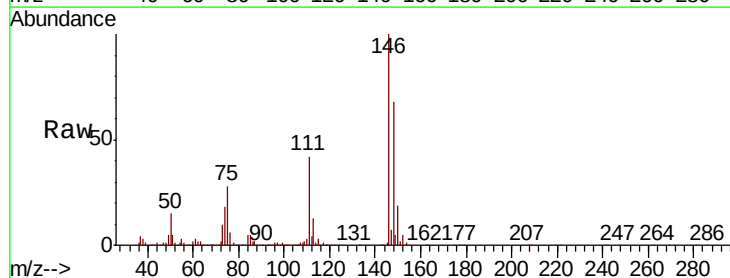
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

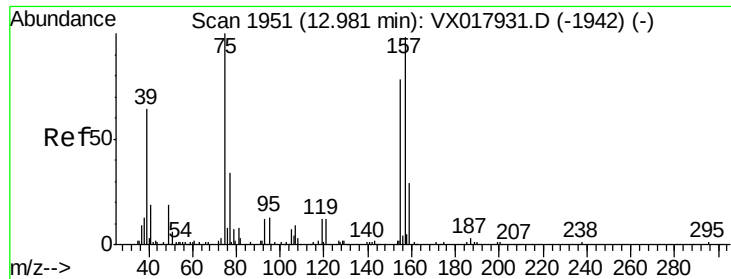
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.0	48.2
148	63.3	43.2	80.2



#66
 1,2-Dichlorobenzene
 Concen: 5.010 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	32.2	48.4
148	68.3	52.3	78.5

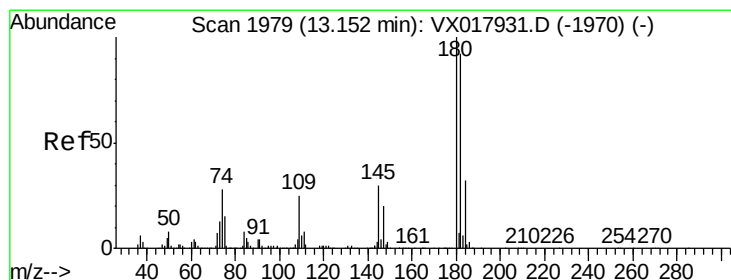
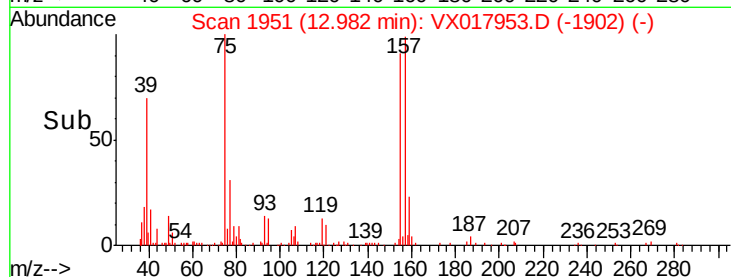
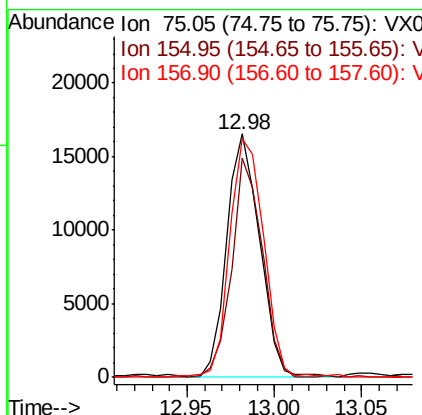
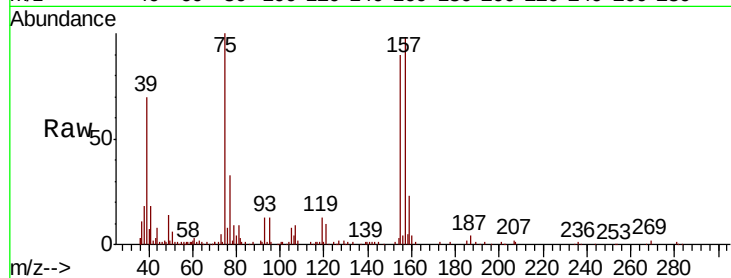




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.609 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

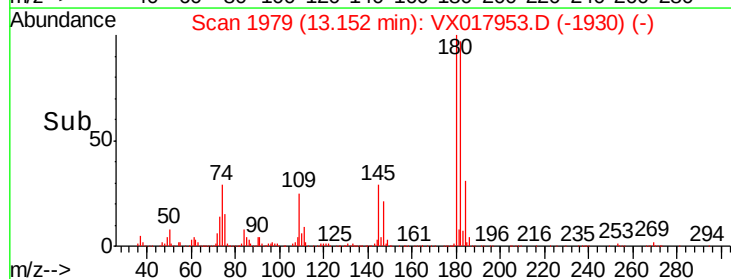
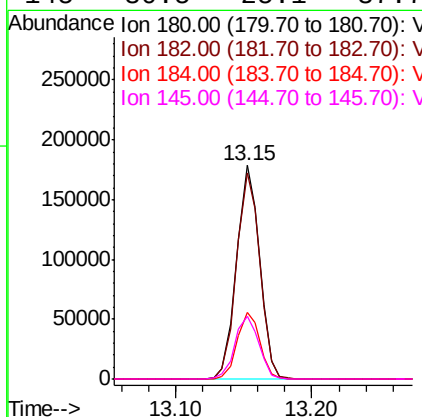
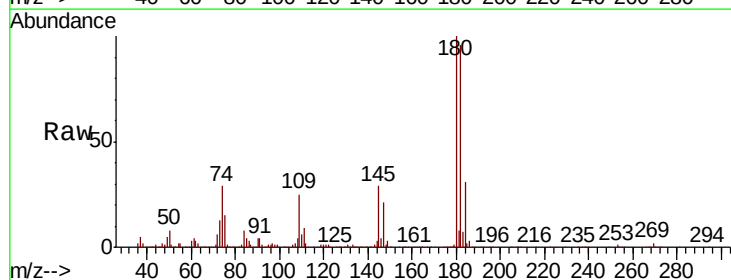
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00579

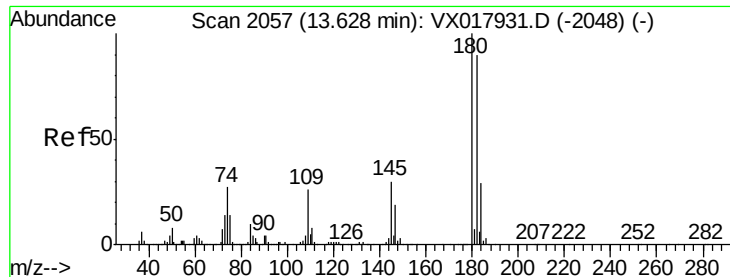
Tot Ion: 75 Resp: 21757
 Ion Ratio Lower Upper
 75 100
 155 89.9 60.9 91.3
 157 97.8 83.3 124.9



#68
 1,3,5-Trichlorobenzene
 Concen: 4.876 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX017953.D
 Acq: 18 Aug 2020 09:57

Tgt Ion: 180 Resp: 210669
 Ion Ratio Lower Upper
 180 100
 182 97.7 80.2 120.4
 184 30.7 24.9 37.3
 145 30.5 25.1 37.7





#69

1,2,4-trichlorobenzene

Concen: 4.617 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

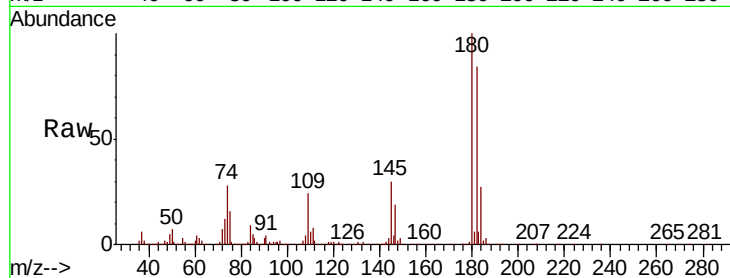
Tot Ion:180 Resp: 176597

Ion Ratio Lower Upper

180 100

182 91.2 76.5 114.7

145 31.7 25.4 38.0

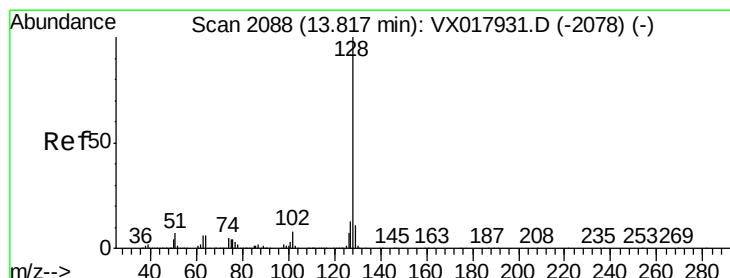
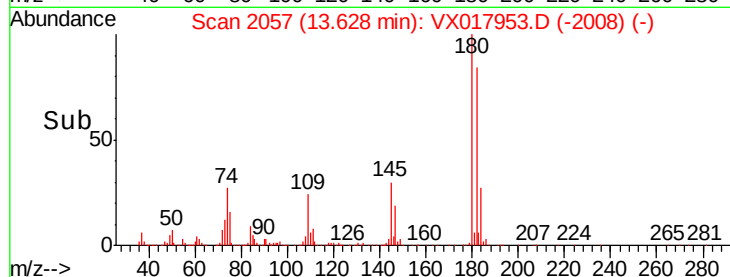
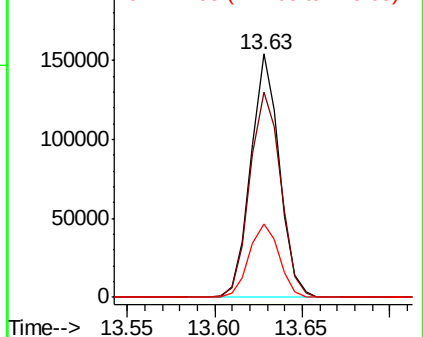


Abundance

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: 4.240 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

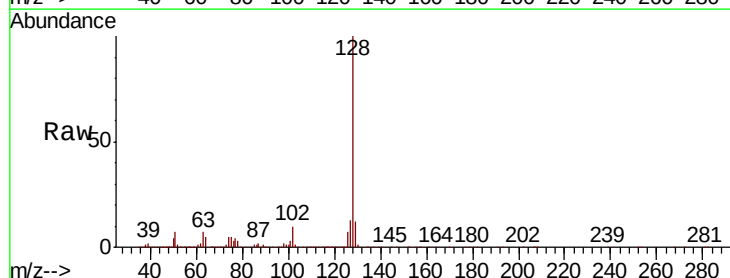
Tgt Ion:128 Resp: 297891

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

127 13.3 11.0 16.4

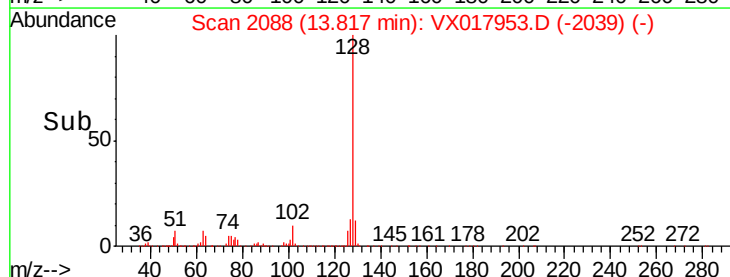
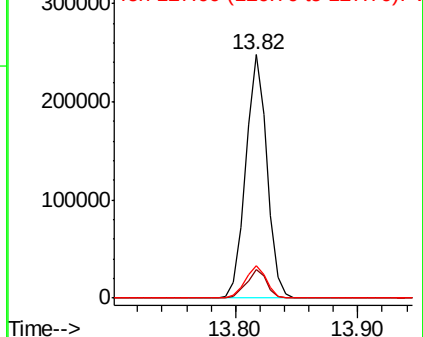


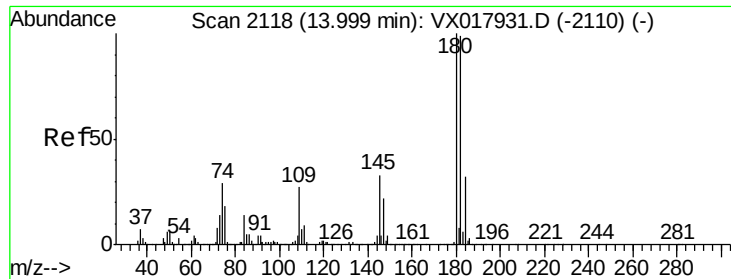
Abundance

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: 4.630 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX017953.D

Acq: 18 Aug 2020 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD00579

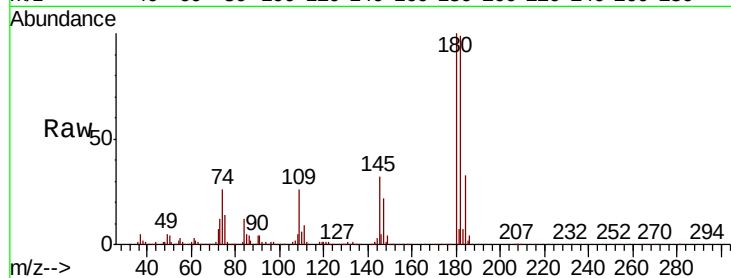
Tot Ion:180 Resp: 166609

Ion Ratio Lower Upper

180 100

182 97.7 75.4 113.0

145 33.0 27.4 41.0



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

