

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081220\
 Data File : VX017865.D
 Acq On : 12 Aug 2020 16:40
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00571

Quant Time: Aug 13 01:22:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 13 01:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	345311	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	328157	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	166191	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	107737	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.69	69	81354	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.34	63	214898	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.54	46	266094	41.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.98%
24) Chloroform-d	5.14	84	197042	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
26) 1,2-Dichloroethane-d4	6.03	65	107803	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
32) Benzene-d6	6.05	84	366048	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	7.37	67	111814	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	8.70	98	342571	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
45) trans-1,3-Dichloropropene-	8.99	79	49255	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
48) 2-Hexanone-d5	9.43	63	219738	43.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.68%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	89062	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	133386	4.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	159669	3.977	ug/L 100
3) Chloromethane	1.31	50	150161	4.580	ug/L 100
5) Vinyl chloride	1.39	62	146891	4.517	ug/L 95
6) Bromomethane	1.62	94	91435	4.831	ug/L 93
8) Chloroethane	1.71	64	85653	4.708	ug/L 98
9) Trichlorofluoromethane	1.92	101	235612	4.502	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	128746	4.507	ug/L 95
12) 1,1-Dichloroethene	2.36	96	119925	4.531	ug/L 93
13) Acetone	2.42	43	227726	49.187	ug/L 99
14) Carbon disulfide	2.54	76	376028	3.955	ug/L 100
15) Methyl Acetate	2.75	43	60927	4.464	ug/L 93
16) Methylene chloride	2.83	84	136726	3.740	ug/L 96
17) Methyl tert-butyl Ether	3.17	73	320084	4.516	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	127667	4.251	ug/L 98
19) 1,1-Dichloroethane	3.67	63	244369	4.561	ug/L 99
21) 2-Butanone	4.64	43	373167	46.668	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	139481	4.426	ug/L # 99

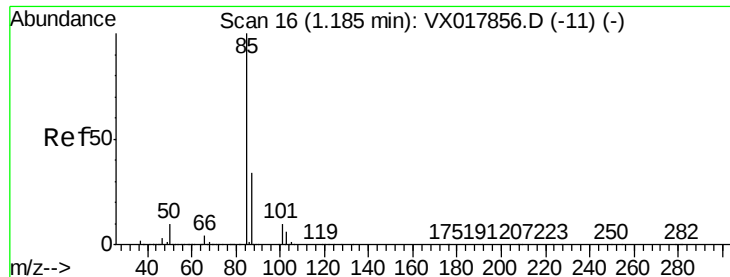
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081220\
 Data File : VX017865.D
 Acq On : 12 Aug 2020 16:40
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 13 01:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	68634	4.653	ug/L	94
25) Chloroform	5.18	83	262943	4.557	ug/L	96
27) 1,2-Dichloroethane	6.17	62	166303	4.493	ug/L	100
29) 1,1,1-Trichloroethane	5.46	97	242098	4.497	ug/L	98
30) Cyclohexane	5.55	56	186204	3.986	ug/L	98
31) Carbon tetrachloride	5.76	117	216960	4.373	ug/L	99
33) Benzene	6.11	78	516177	4.443	ug/L	100
34) Trichloroethene	7.19	95	143073	4.219	ug/L	99
35) Methylcyclohexane	7.44	83	183388	3.847	ug/L	97
37) 1,2-Dichloropropane	7.49	63	133800	4.580	ug/L	99
38) Bromodichloromethane	7.88	83	188020	4.620	ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	188912	4.200	ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	912768	47.988	ug/L	99
42) Toluene	8.76	91	568387	4.507	ug/L	95
43) 1,3,5-Trimethylbenzene	11.49	105	485370	4.217	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	506888	4.324	ug/L	99
46) trans-1,3-Dichloropropene	9.02	75	177169	4.416	ug/L	98
47) 1,1,2-Trichloroethane	9.20	97	105385	4.808	ug/L	97
49) Tetrachloroethene	9.32	164	112058	4.130	ug/L	99
50) 2-Hexanone	9.48	43	672025	49.291	ug/L	99
51) Dibromochloromethane	9.57	129	137517	4.554	ug/L	95
52) 1,2-Dibromoethane	9.65	107	100001	4.660	ug/L	100
53) Chlorobenzene	10.12	112	363935	4.433	ug/L	99
54) Ethylbenzene	10.24	91	594119	4.317	ug/L	99
55) m,p-xylene	10.34	106	235326	4.478	ug/L	98
56) o-xylene	10.68	106	222939	4.376	ug/L	95
57) Styrene	10.70	104	387760	4.500	ug/L	99
58) Isopropylbenzene	11.01	105	590892	4.333	ug/L	99
60) 1,1,1,2-Tetrachloroethane	11.25	83	114483	4.755	ug/L	97
62) Bromoform	10.84	173	82770	4.980	ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	295435	4.564	ug/L	97
64) 1,4-Dichlorobenzene	12.09	146	290114	4.506	ug/L	98
66) 1,2-Dichlorobenzene	12.38	146	277453	4.615	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.98	75	23499	4.499	ug/L	95
68) 1,3,5-Trichlorobenzene	13.15	180	219155	4.585	ug/L	95
69) 1,2,4-trichlorobenzene	13.63	180	185664	4.388	ug/L	98
70) Naphthalene	13.82	128	353767	4.551	ug/L	98
71) 1,2,3-Trichlorobenzene	14.00	180	181110	4.549	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.977 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

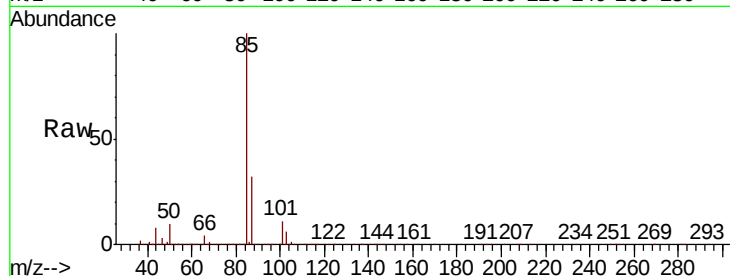
VSTD00571

Tot Ion: 85 Resp: 159669

Ion Ratio Lower Upper

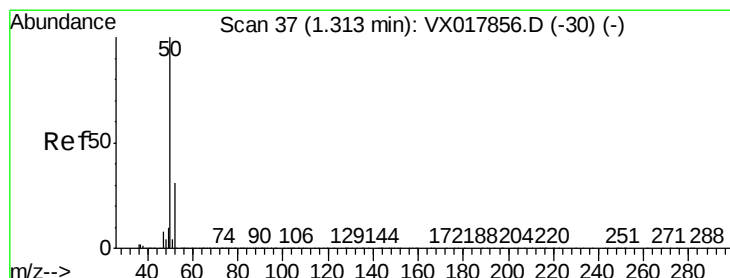
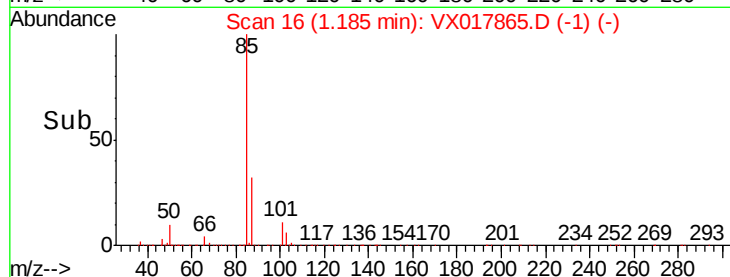
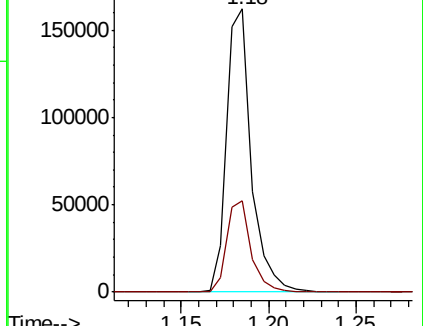
85 100

87 31.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 4.580 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017865.D

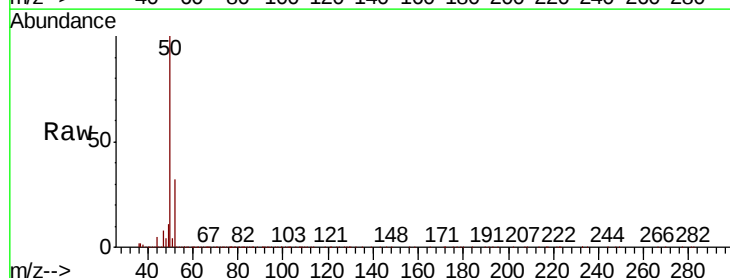
Acq: 12 Aug 2020 16:40

Tgt Ion: 50 Resp: 150161

Ion Ratio Lower Upper

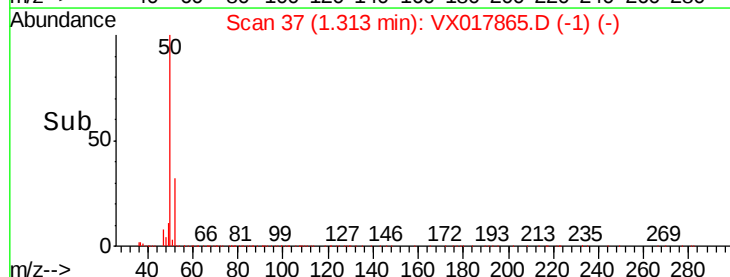
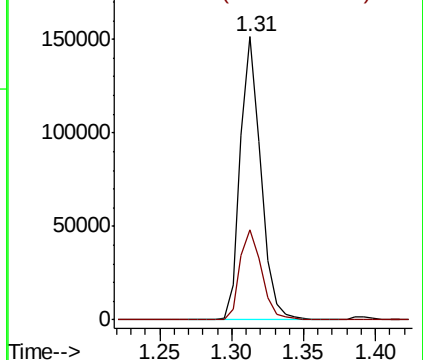
50 100

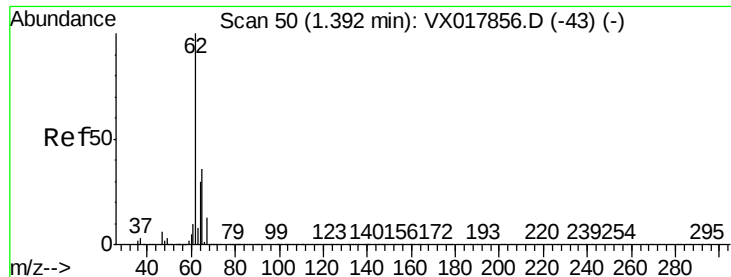
52 32.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 4.517 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

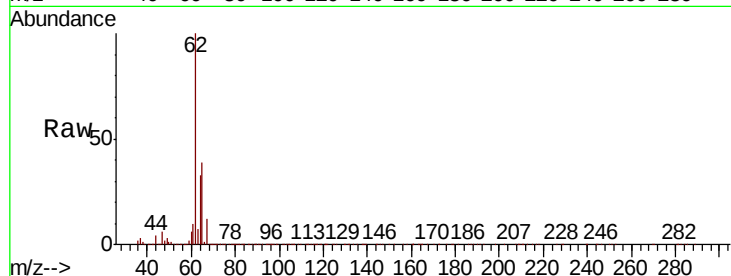
VSTD00571

Tot Ion: 62 Resp: 146891

Ion Ratio Lower Upper

62 100

64 33.3 21.3 39.6



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0

1.39

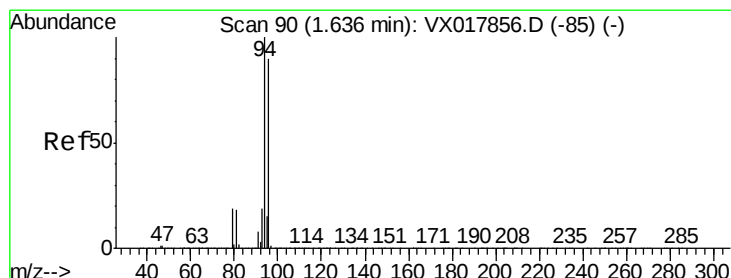
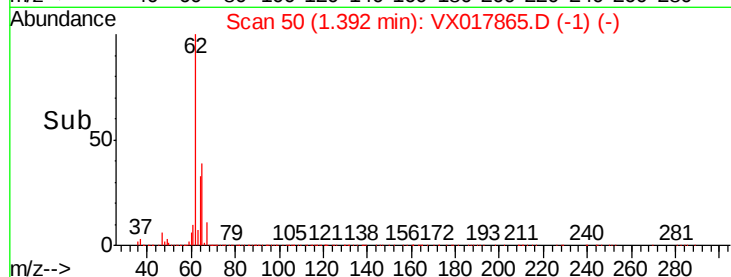
150000

100000

50000

0

Time--> 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 4.831 ug/L

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX017865.D

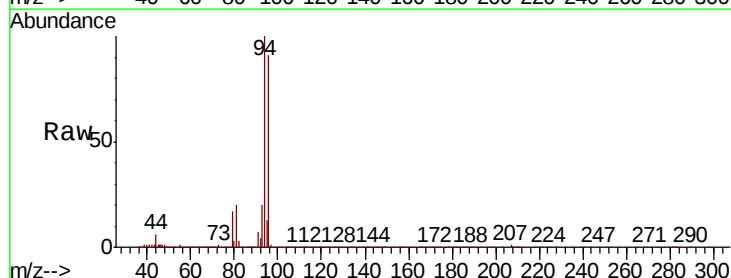
Acq: 12 Aug 2020 16:40

Tgt Ion: 94 Resp: 91435

Ion Ratio Lower Upper

94 100

96 91.2 68.5 127.1



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.62

80000

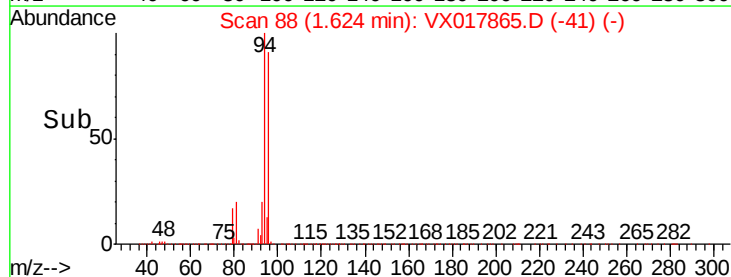
60000

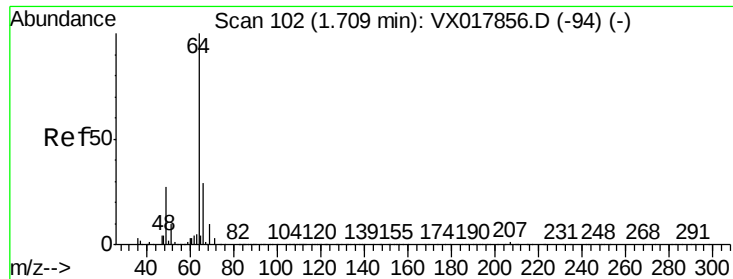
40000

20000

0

Time--> 1.55 1.60 1.65 1.70

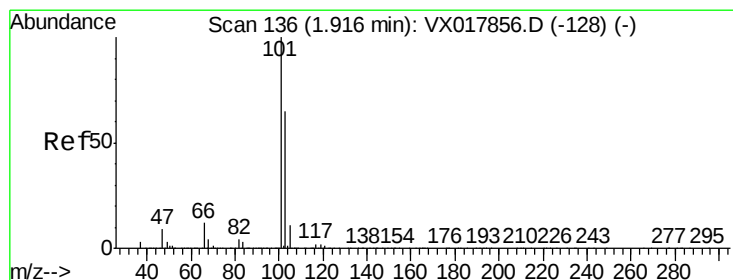
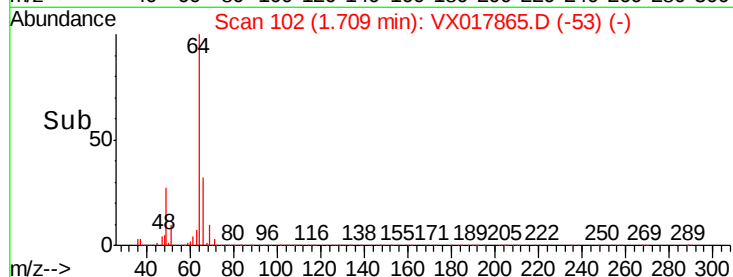
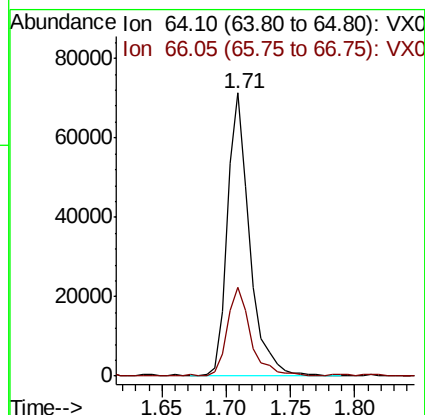
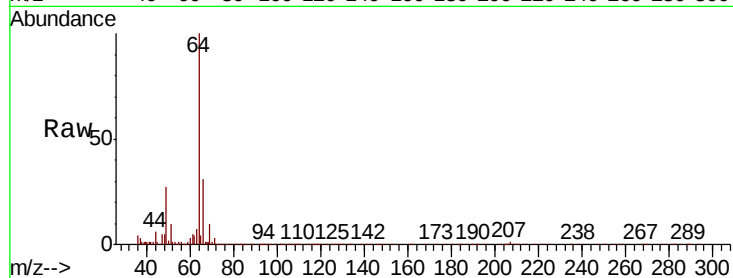




#8
Chloroethane
Concen: 4.708 ug/L
RT: 1.71 min Scan# 102
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

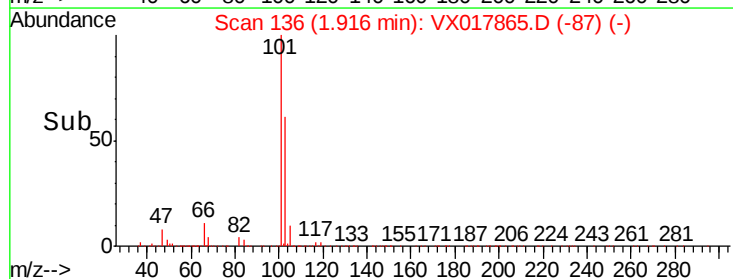
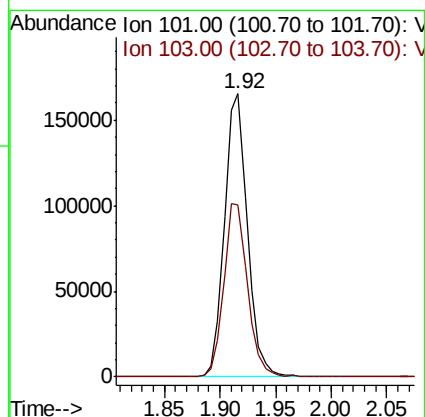
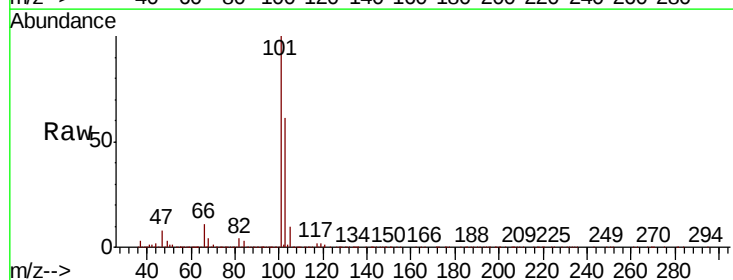
Instrument :
MSVOA_X
ClientSampleId :
VSTD00571

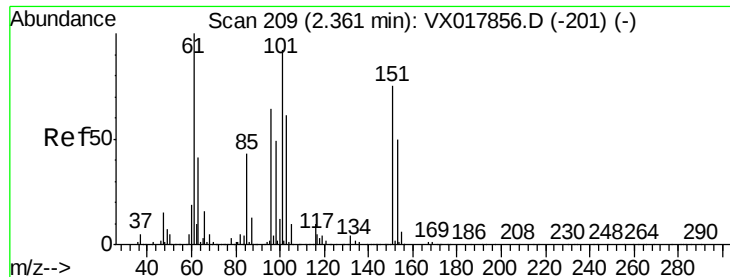
Tot Ion: 64 Resp: 85653
Ion Ratio Lower Upper
64 100
66 31.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.502 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

Tgt Ion: 101 Resp: 235612
Ion Ratio Lower Upper
101 100
103 63.2 52.0 78.0





#10

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

Concen: 4.507 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00571

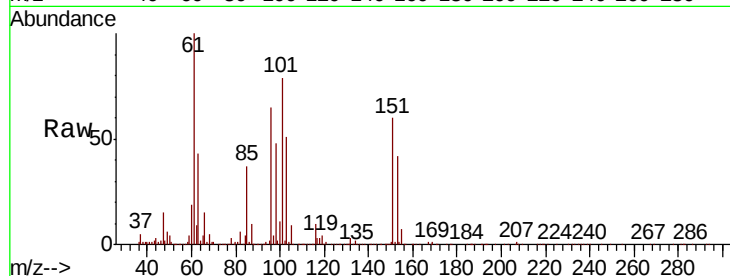
Tot Ion:101 Resp: 128746

Ion Ratio Lower Upper

101 100

85 44.4 34.3 51.5

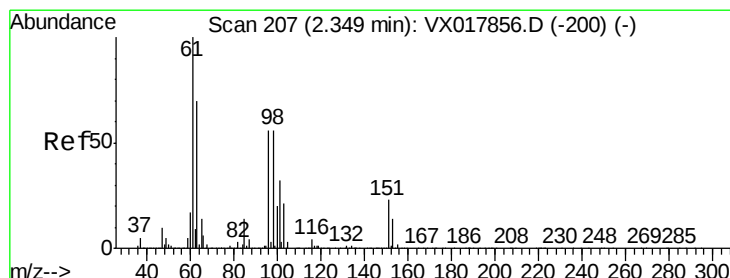
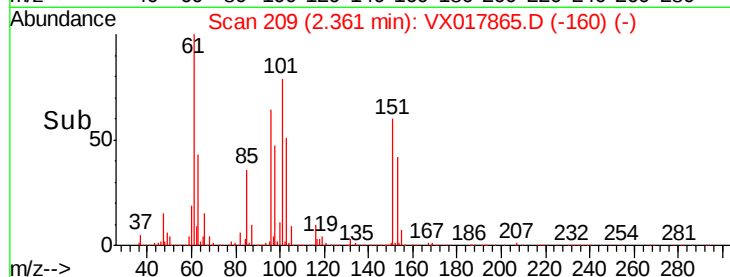
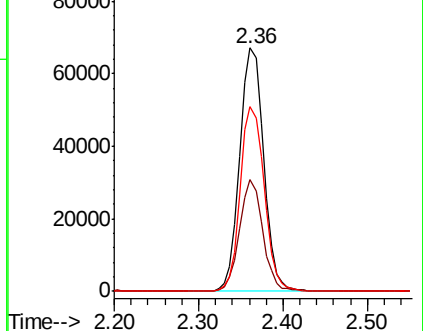
151 75.9 64.8 97.2



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: 4.531 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

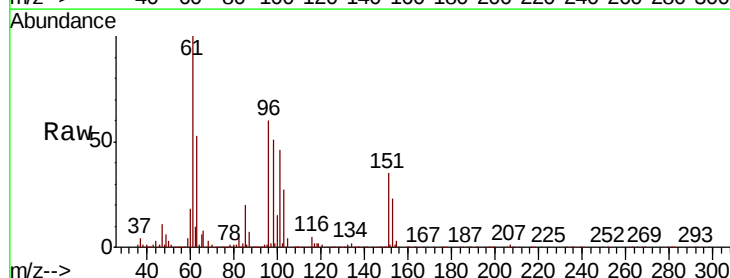
Tgt Ion: 96 Resp: 119925

Ion Ratio Lower Upper

96 100

61 167.4 123.5 229.3

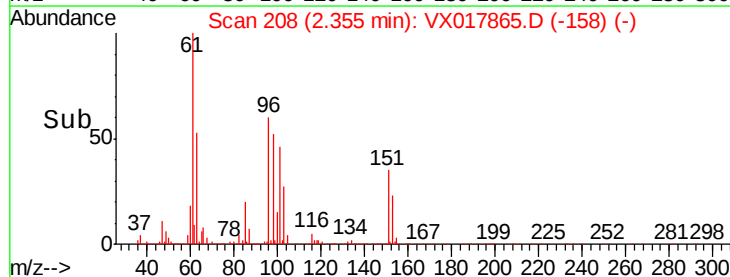
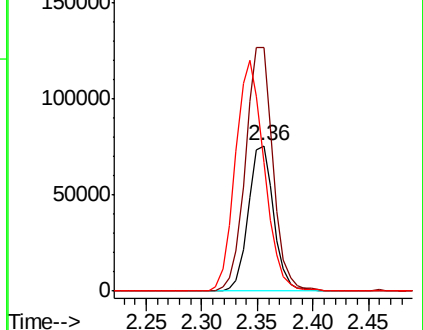
63 88.7 67.0 124.4

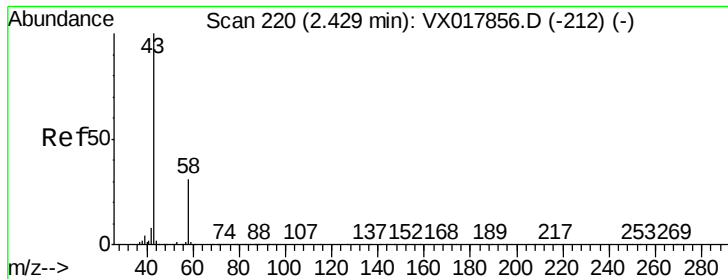


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 49.187 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

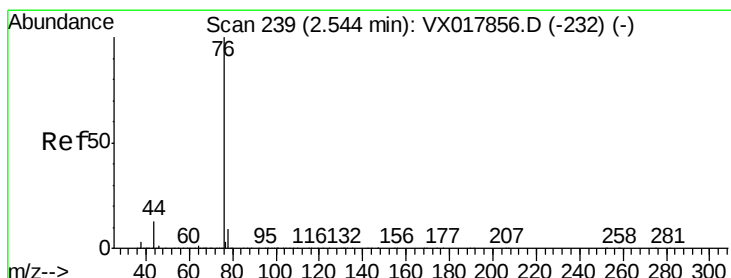
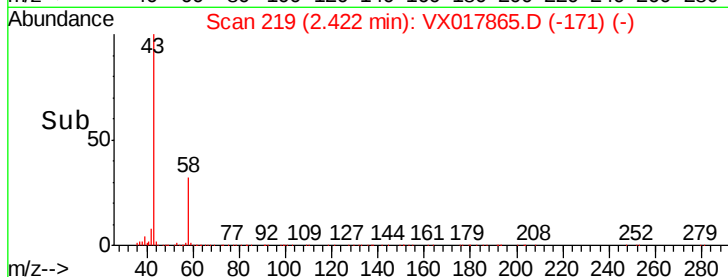
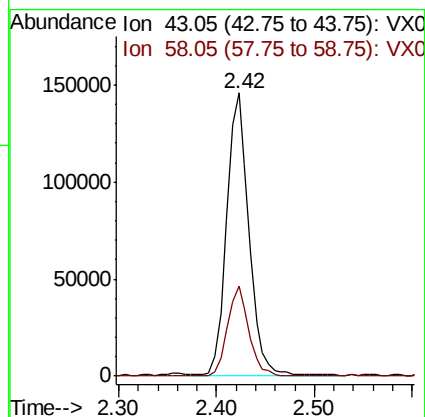
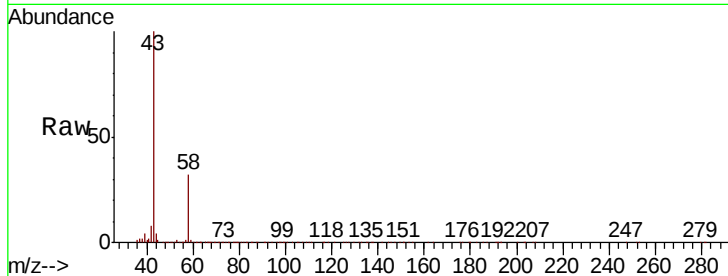
VSTD00571

Tot Ion: 43 Resp: 227726

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.8



#14

Carbon disulfide

Concen: 3.955 ug/L

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VX017865.D

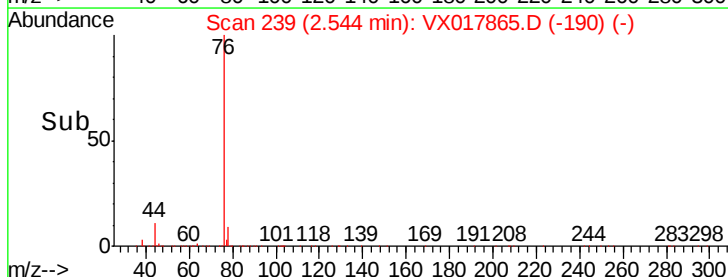
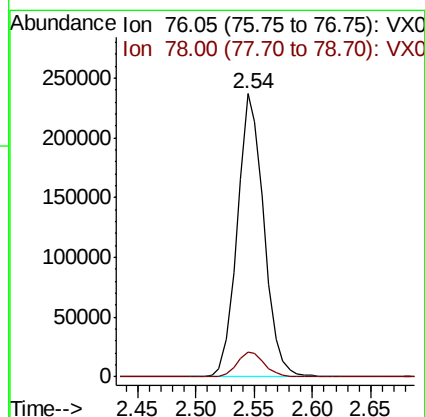
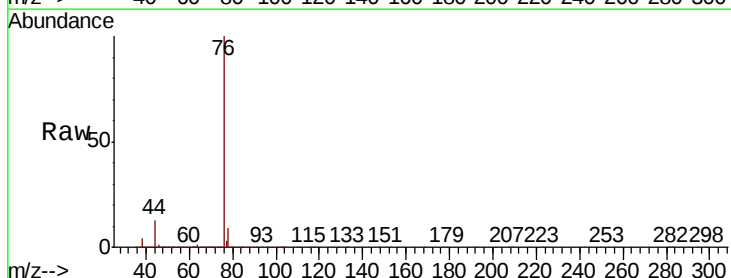
Acq: 12 Aug 2020 16:40

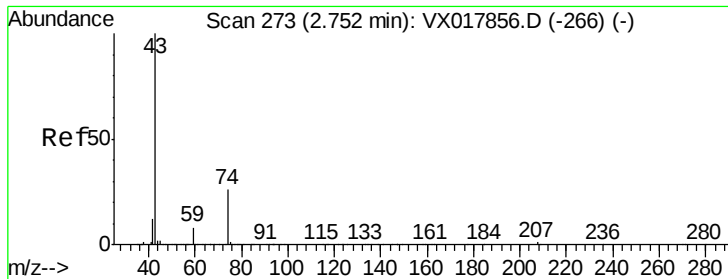
Tgt Ion: 76 Resp: 376028

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

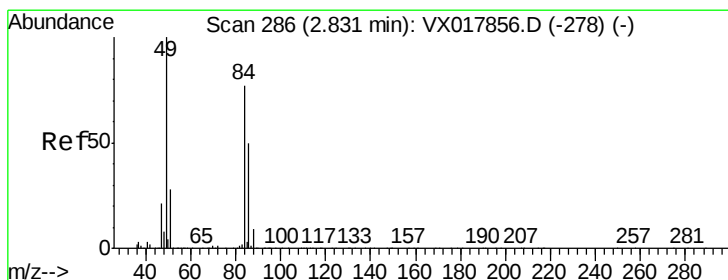
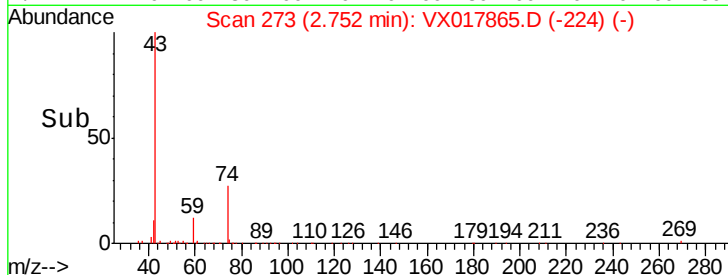
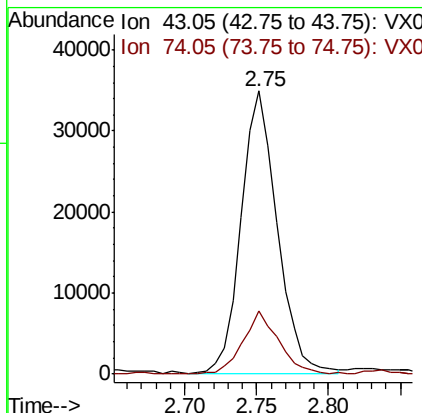
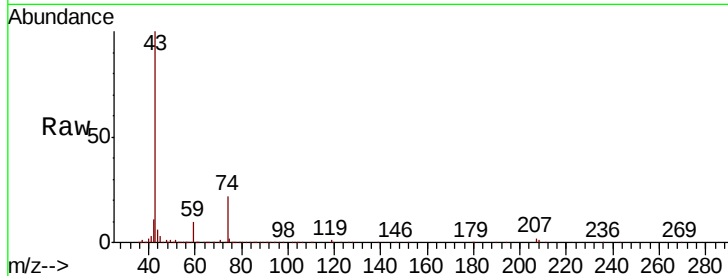




#15
Methyl Acetate
Concen: 4.464 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

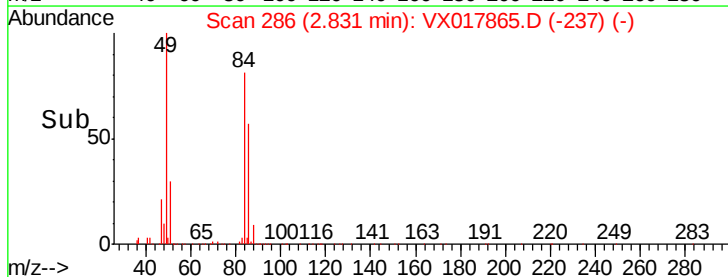
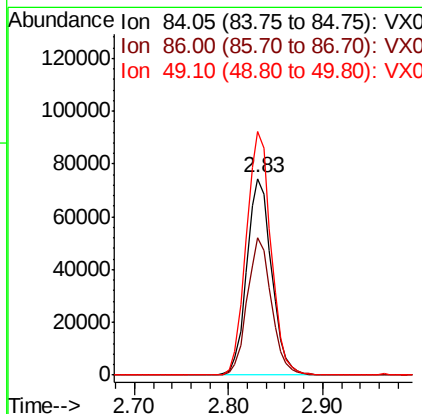
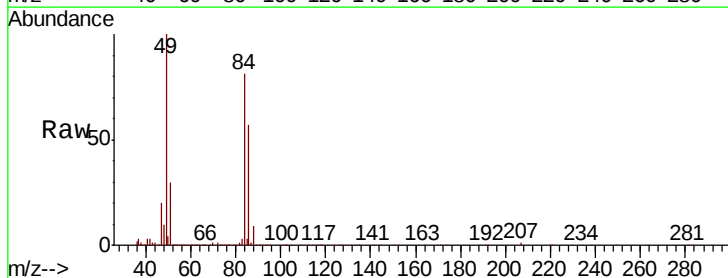
Instrument :
MSVOA_X
ClientSampleId :
VSTD00571

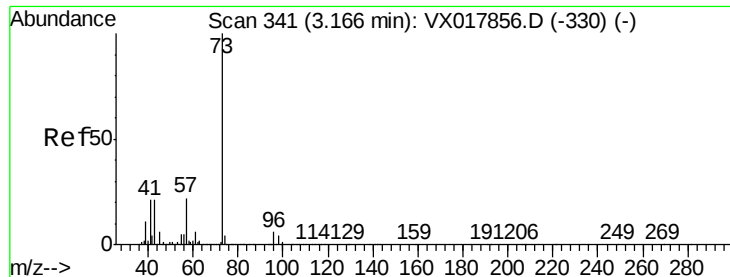
Tot Ion: 43 Resp: 60927
Ion Ratio Lower Upper
43 100
74 22.2 20.4 30.6



#16
Methylene chloride
Concen: 3.740 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

Tgt Ion: 84 Resp: 136726
Ion Ratio Lower Upper
84 100
86 70.2 43.0 80.0
49 123.9 86.9 161.3

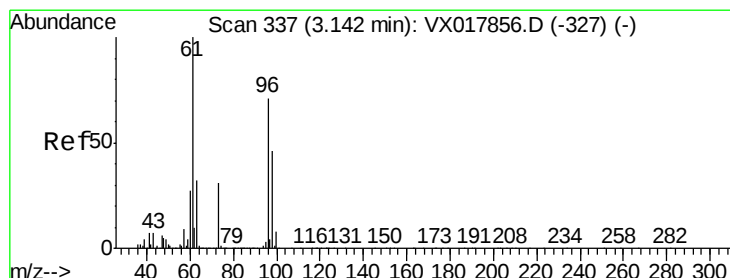
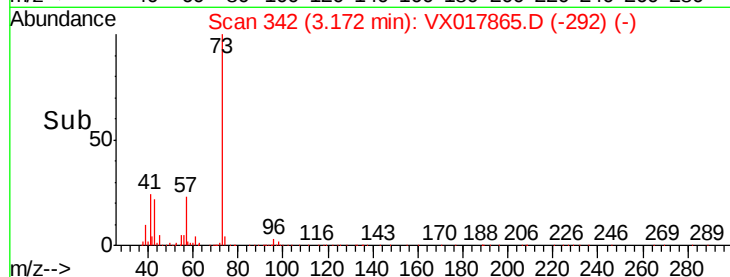
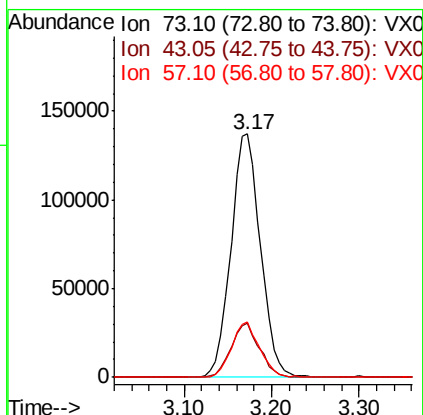
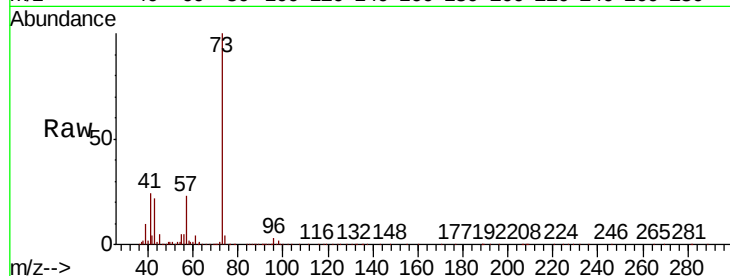




#17
Methvl tert-butvl Ether
Concen: 4.516 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

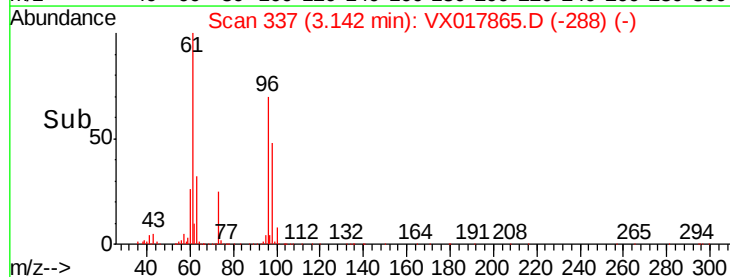
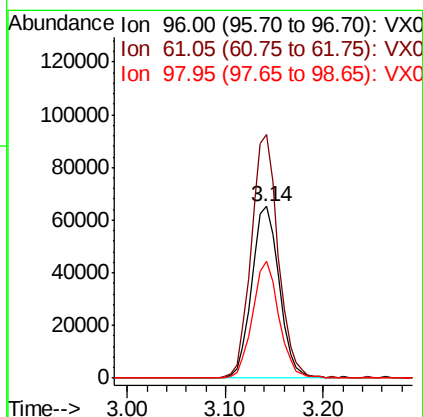
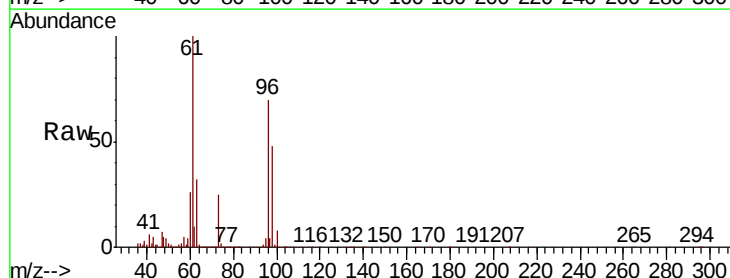
Instrument :
MSVOA_X
ClientSampleId :
VSTD00571

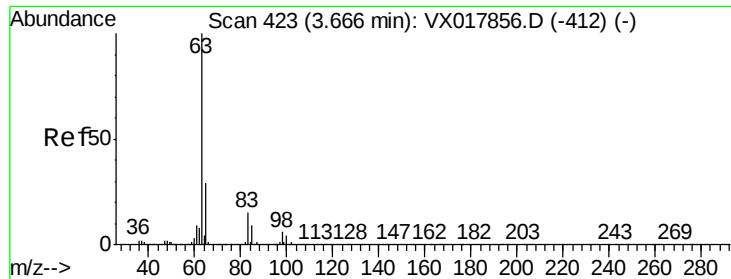
Tot Ion: 73 Resp: 320084
Ion Ratio Lower Upper
73 100
43 21.7 17.7 26.5
57 21.8 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.251 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

Tgt Ion: 96 Resp: 127667
Ion Ratio Lower Upper
96 100
61 142.1 98.4 182.8
98 67.9 44.9 83.5

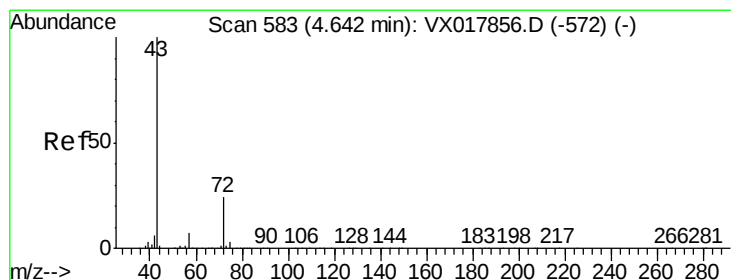
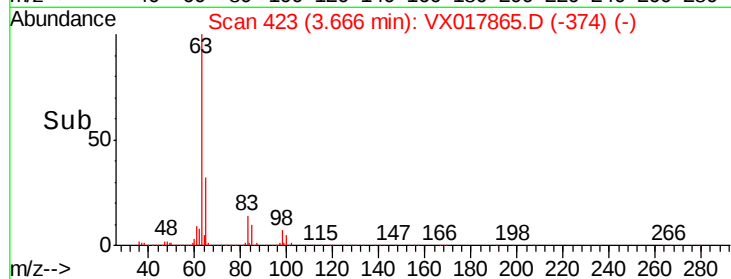
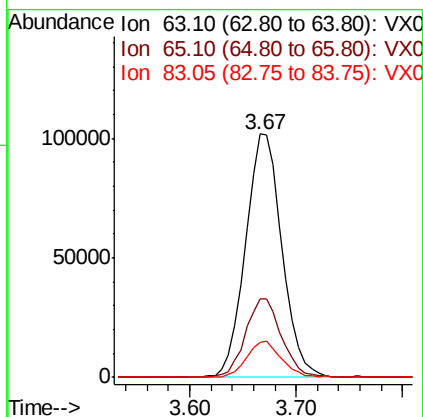
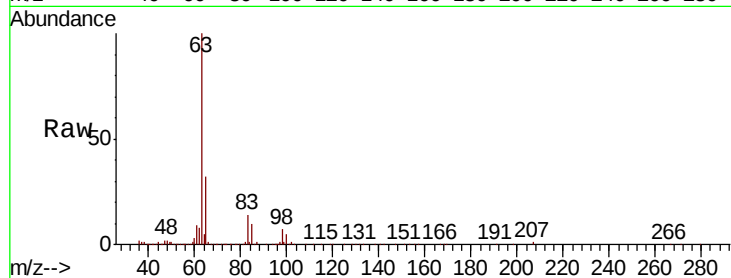




#19
 1,1-Dichloroethane
 Concen: 4.561 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

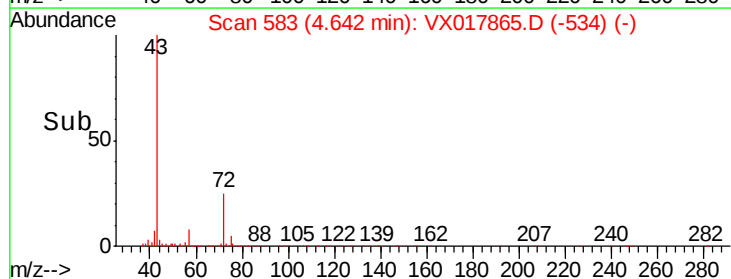
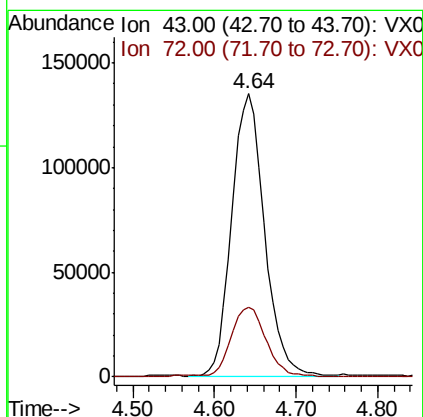
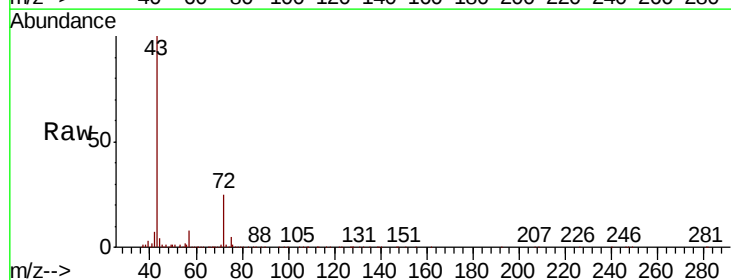
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD00571

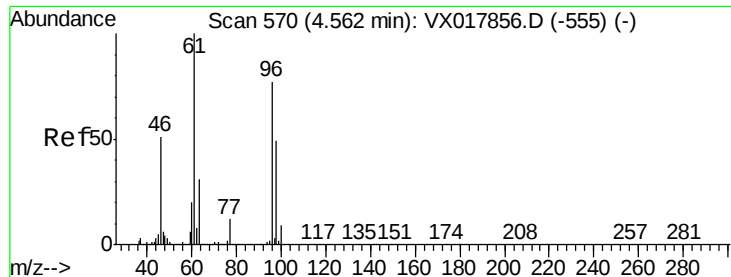
Tot Ion:	63	Resp:	244369
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.6	42.0
83	14.4	9.5	17.7



#21
 2-Butanone
 Concen: 46.668 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Tgt Ion:	43	Resp:	373167
Ion	Ratio	Lower	Upper
43	100		
72	26.5	13.2	39.6





#22

cis-1,2-Dichloroethene

Concen: 4.426 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00571

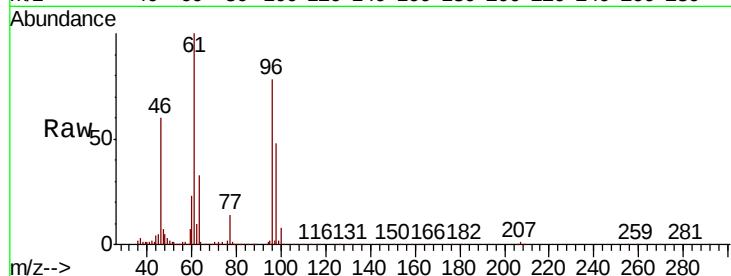
Tot Ion: 96 Resp: 139481

Ion Ratio Lower Upper

96 100

61 128.1 88.8 165.0

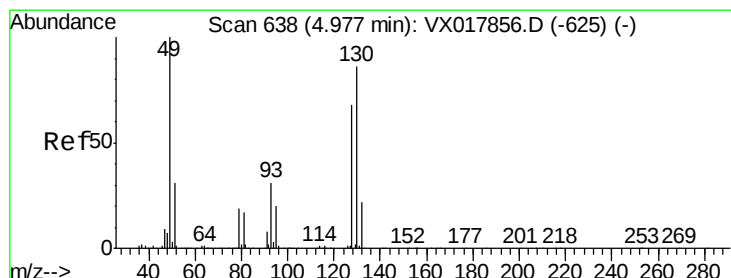
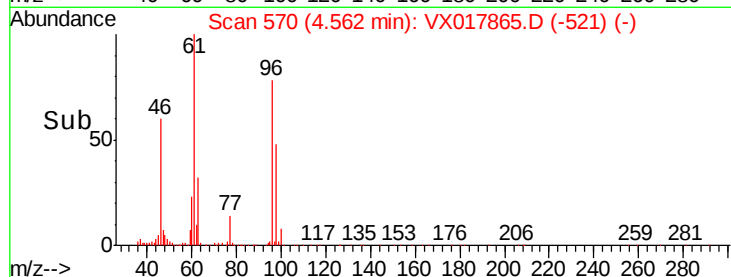
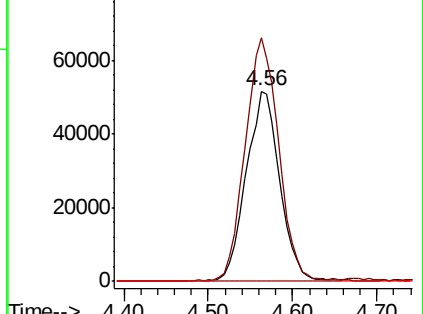
68 0.1 0.2 0.4#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0



#23

Bromochloromethane

Concen: 4.653 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Tgt Ion:128 Resp: 68634

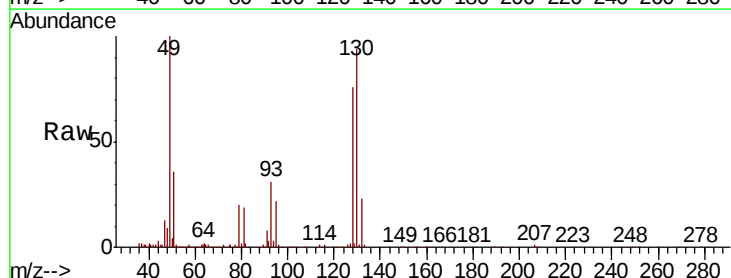
Ion Ratio Lower Upper

128 100

49 130.9 100.2 186.0

130 122.4 89.1 165.5

51 47.6 37.2 55.8

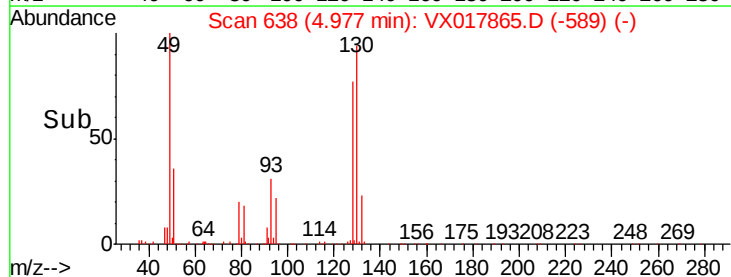
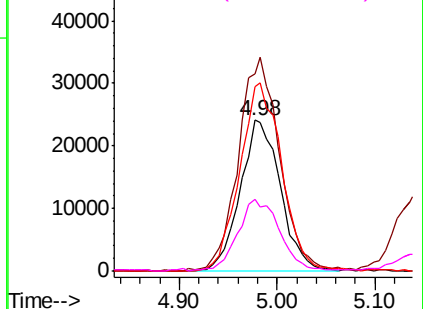


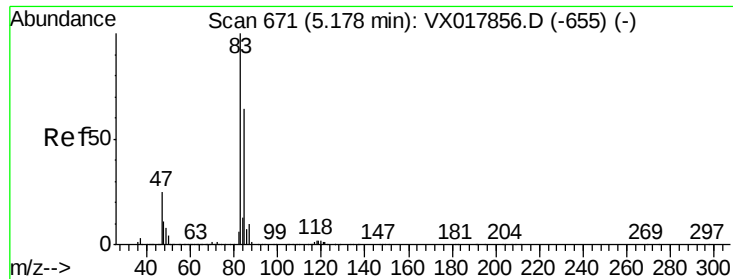
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VX0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VX0





#25

Chloroform

Concen: 4.557 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

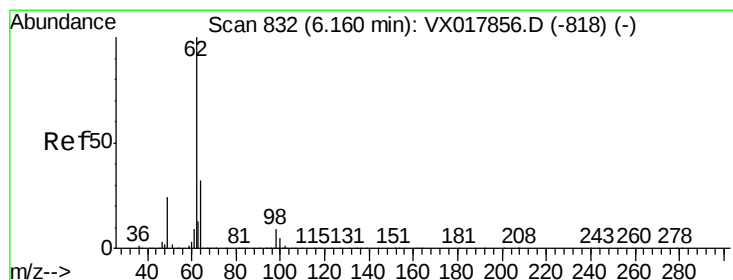
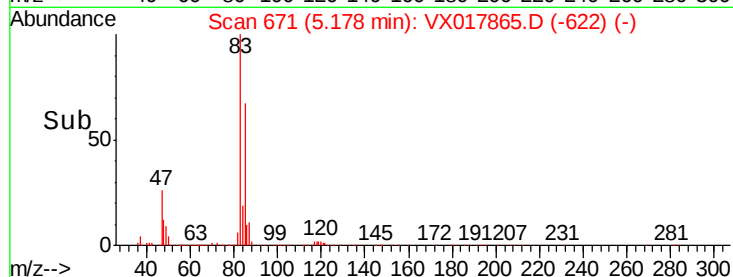
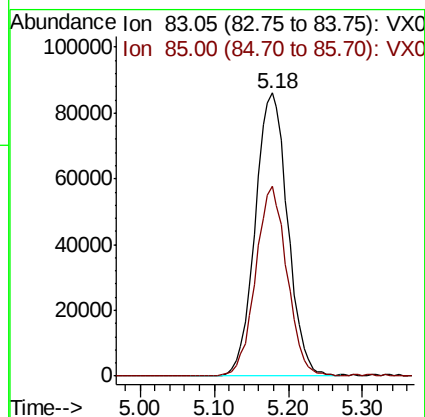
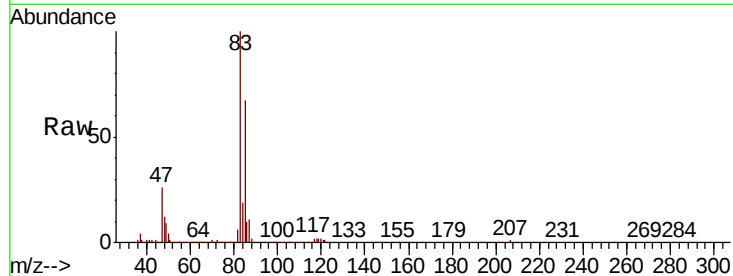
VSTD00571

Tot Ion: 83 Resp: 262943

Ion Ratio Lower Upper

83 100

85 67.0 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.493 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX017865.D

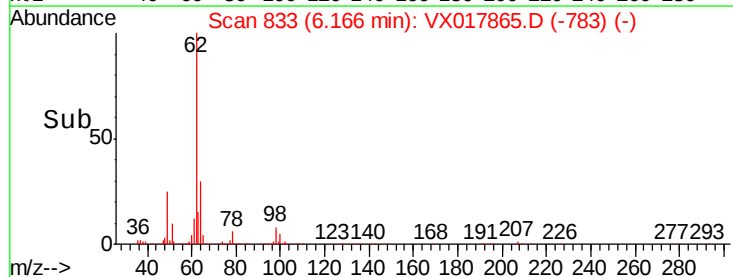
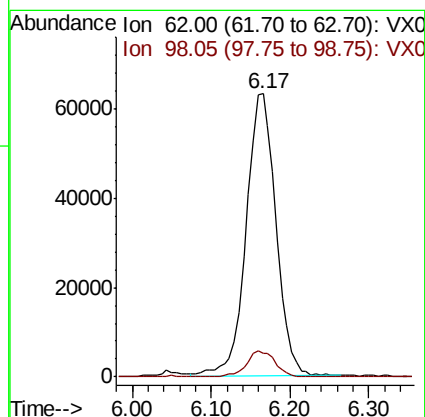
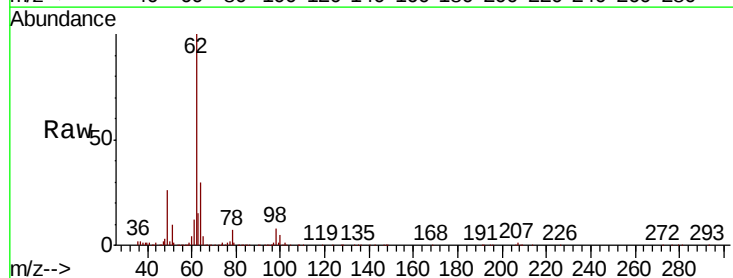
Acq: 12 Aug 2020 16:40

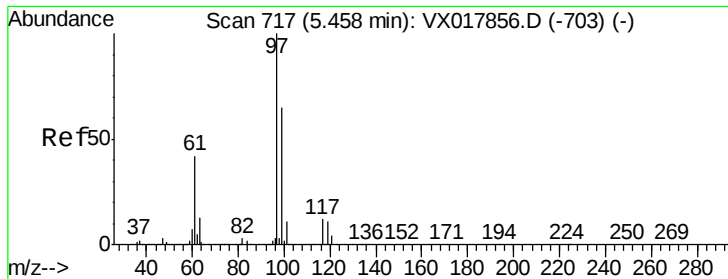
Tgt Ion: 62 Resp: 166303

Ion Ratio Lower Upper

62 100

98 8.3 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 4.497 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampled :

VSTD00571

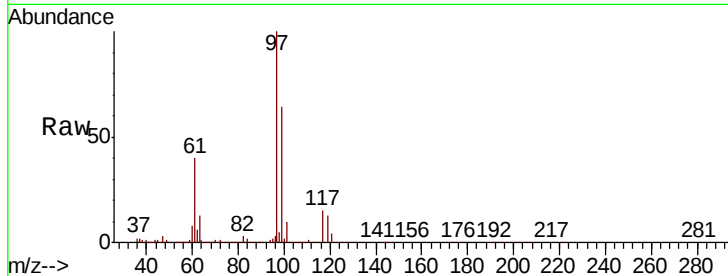
Tot Ion: 97 Resp: 242098

Ion Ratio Lower Upper

97 100

99 63.5 52.2 78.2

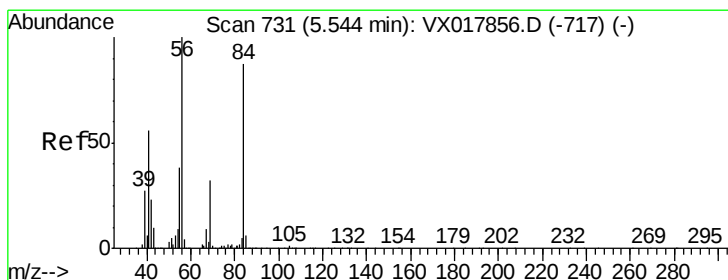
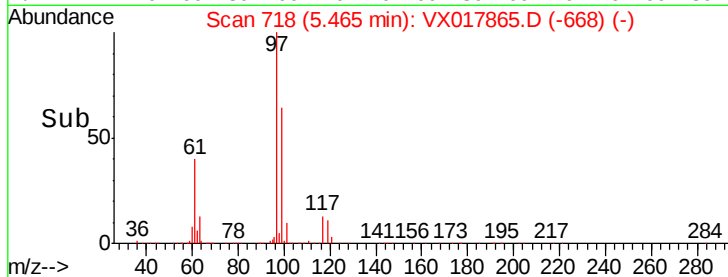
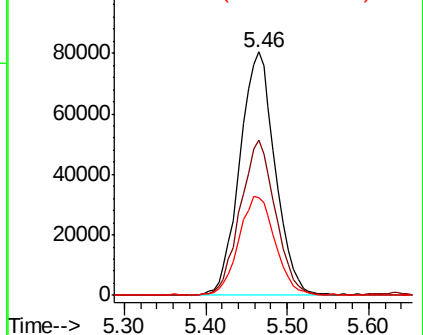
61 41.8 33.8 50.6



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: 3.986 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

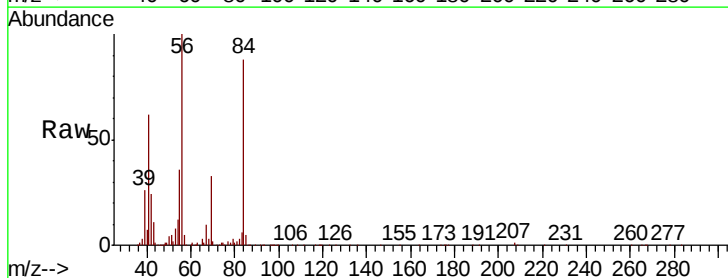
Tgt Ion: 56 Resp: 186204

Ion Ratio Lower Upper

56 100

69 31.2 25.1 37.7

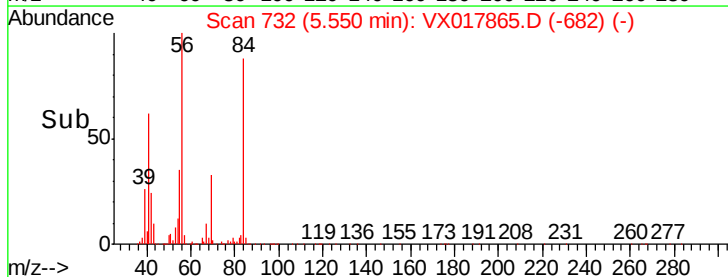
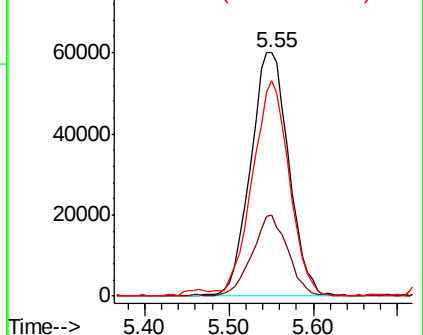
84 85.9 70.7 106.1

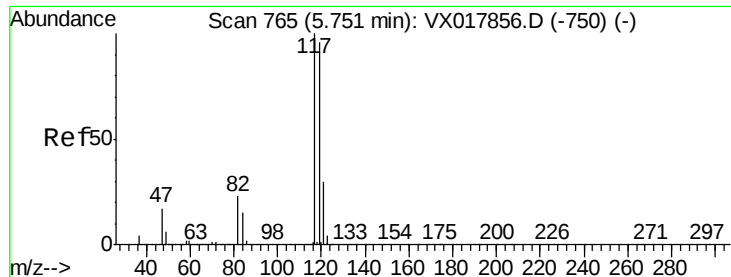


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 4.373 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

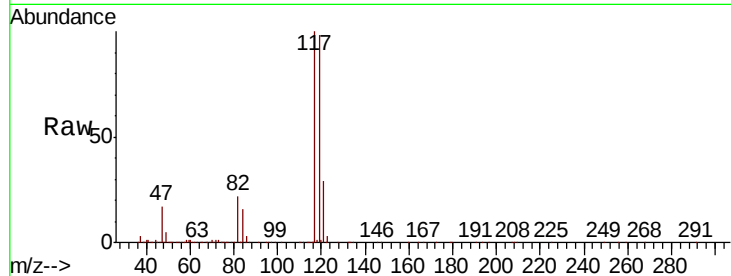
VSTD00571

Tot Ion:117 Resp: 216960

Ion Ratio Lower Upper

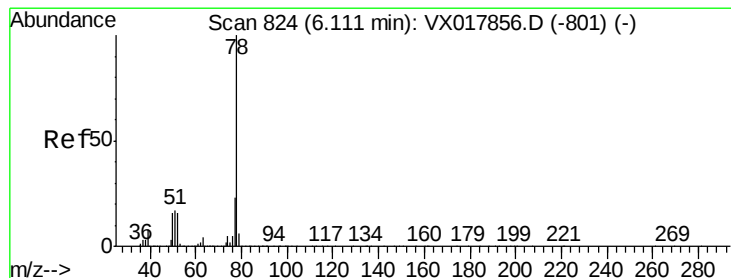
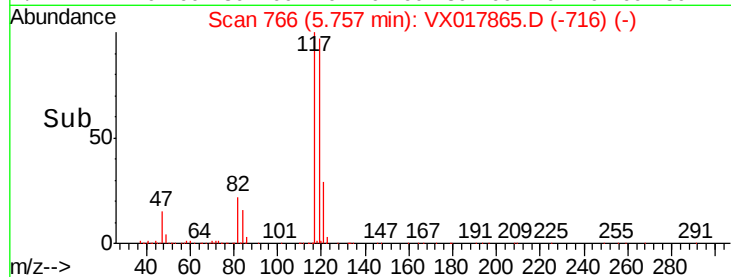
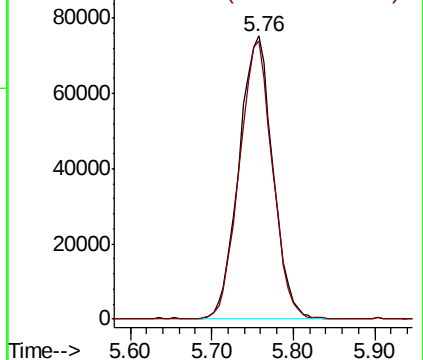
117 100

119 96.2 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.443 ug/L

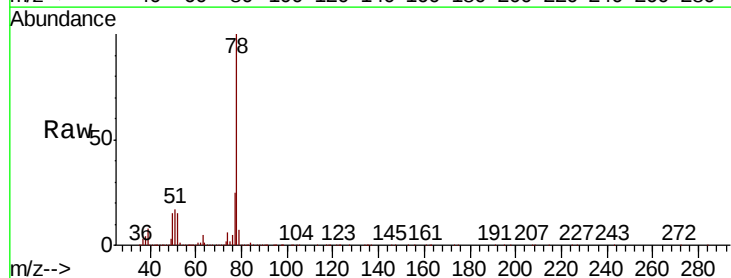
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

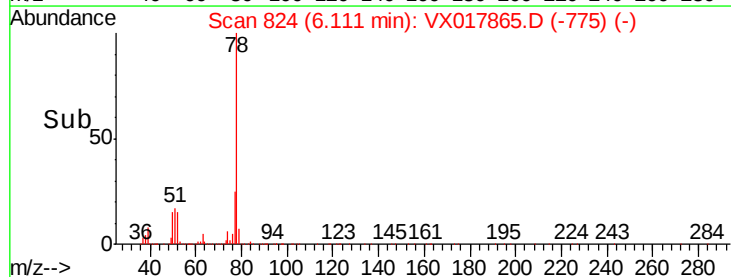
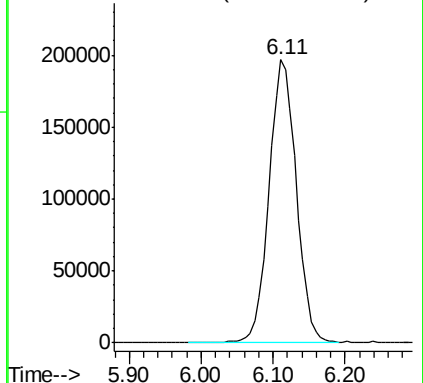
Lab File: VX017865.D

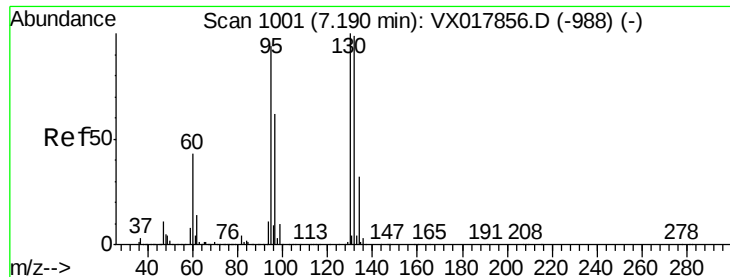
Acq: 12 Aug 2020 16:40

Tgt Ion: 78 Resp: 516177



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 4.219 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00571

Tot Ion: 95 Resp: 143073

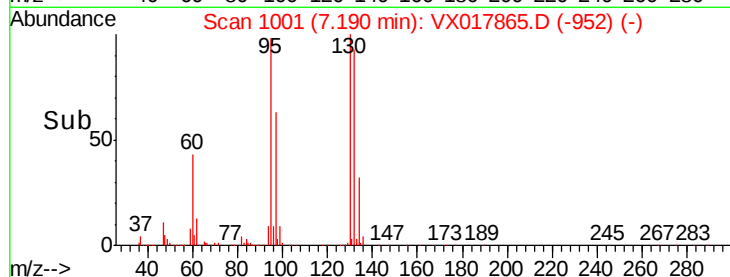
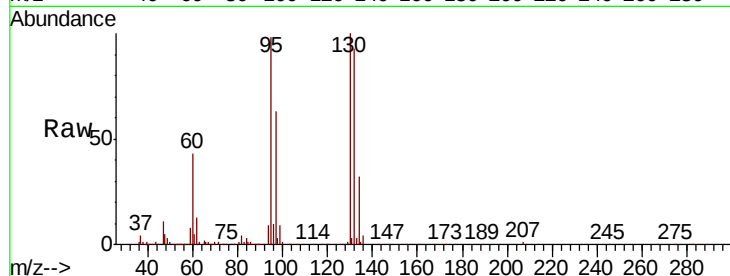
Ion Ratio Lower Upper

95 100

97 64.5 46.1 85.5

132 94.4 66.0 122.6

130 101.6 71.7 133.1

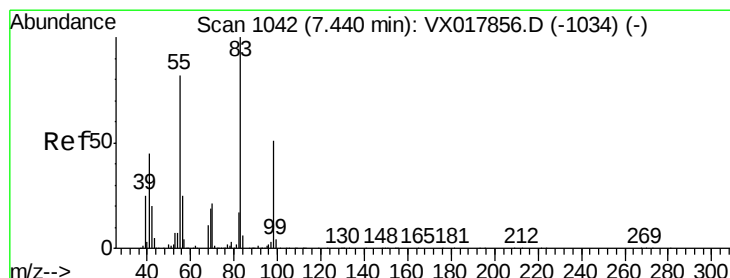
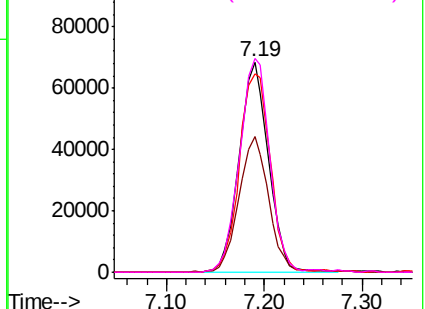


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 3.847 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

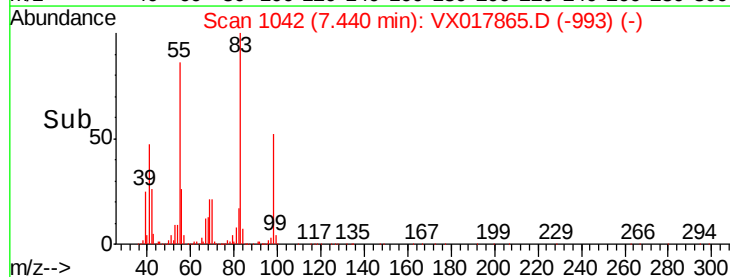
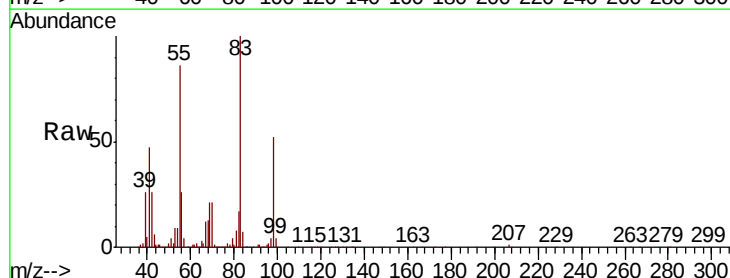
Tgt Ion: 83 Resp: 183388

Ion Ratio Lower Upper

83 100

55 81.7 62.4 93.6

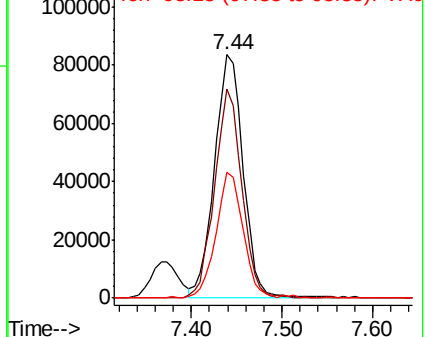
98 49.0 38.0 57.0

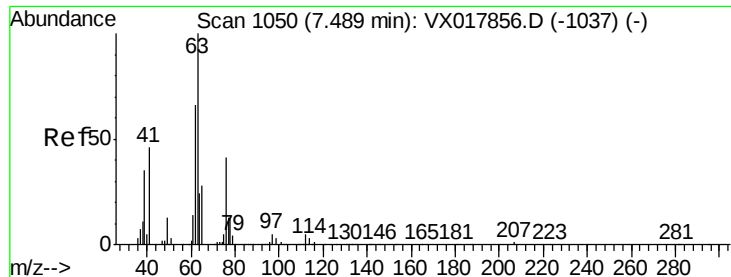


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

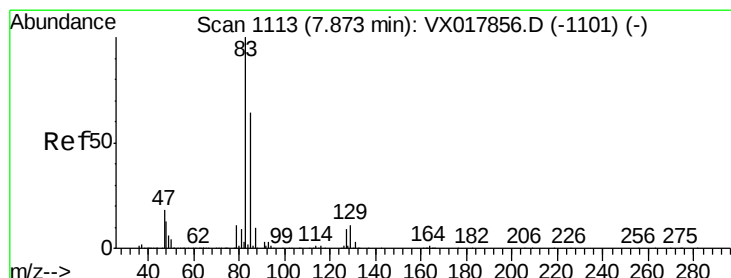
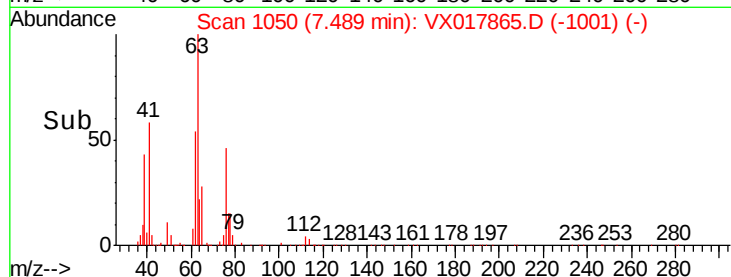
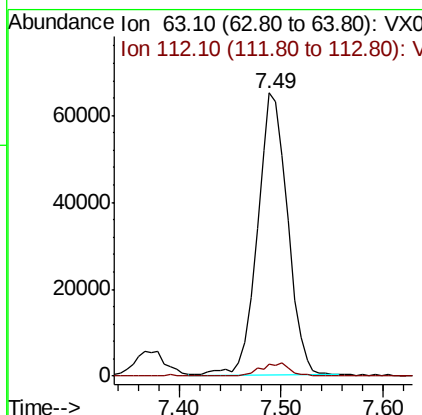
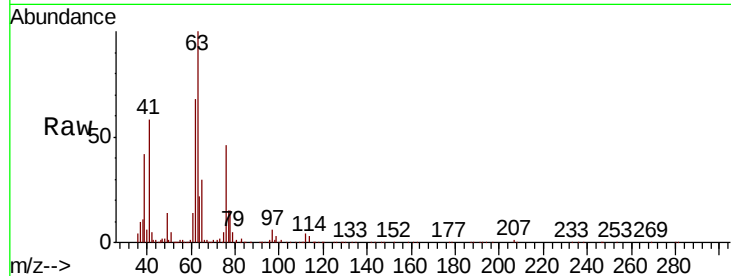




#37
 1,2-Dichloropropane
 Concen: 4.580 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

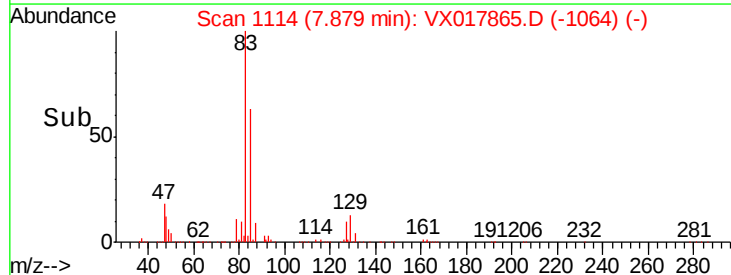
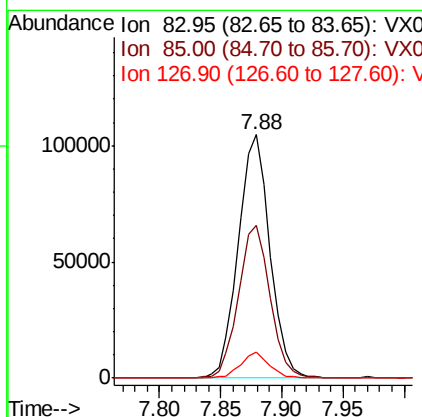
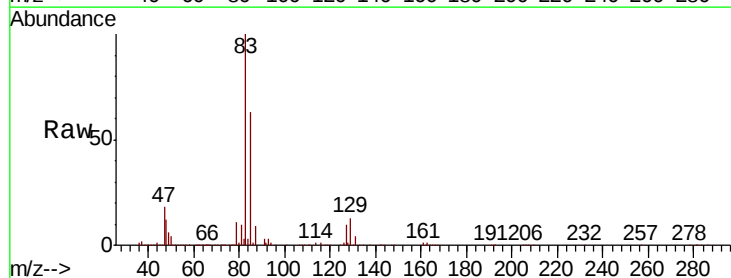
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00571

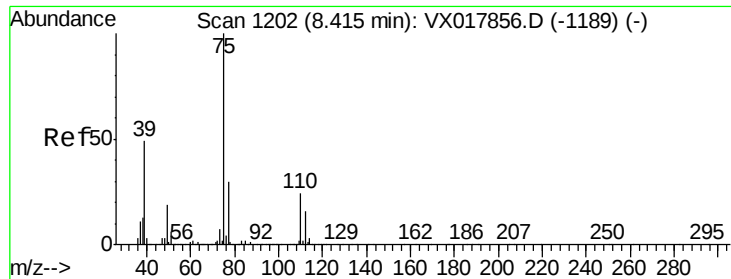
Tot Ion: 63 Resp: 133800
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.620 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Tgt Ion: 83 Resp: 188020
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.9 85.3
 127 10.4 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 4.200 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampled :

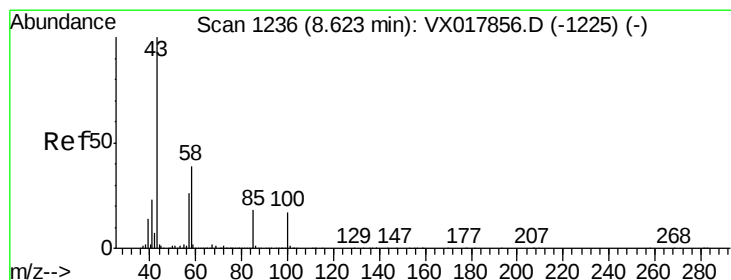
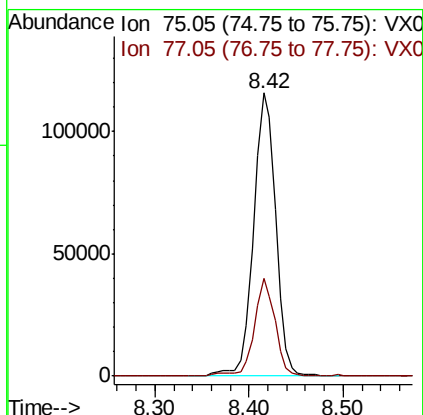
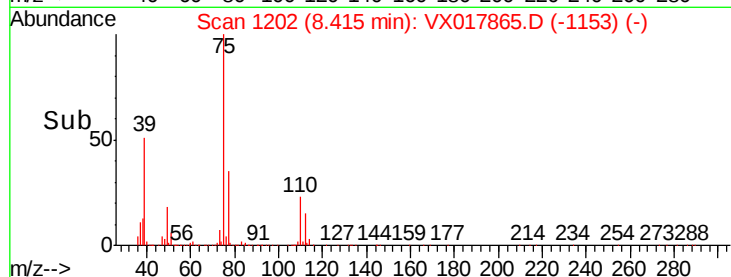
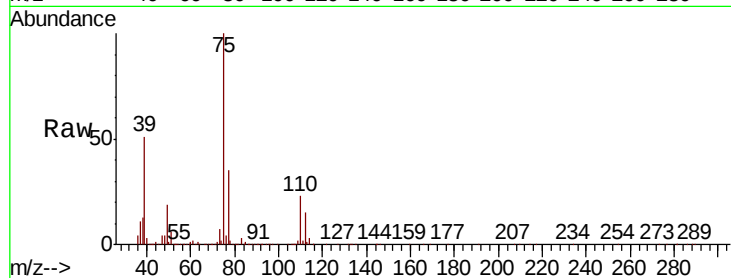
VSTD00571

Tot Ion: 75 Resp: 188912

Ion Ratio Lower Upper

75 100

77 34.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 47.988 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

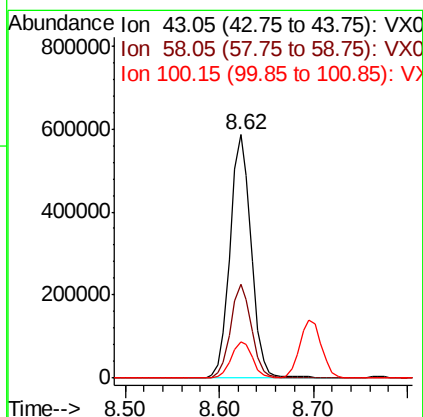
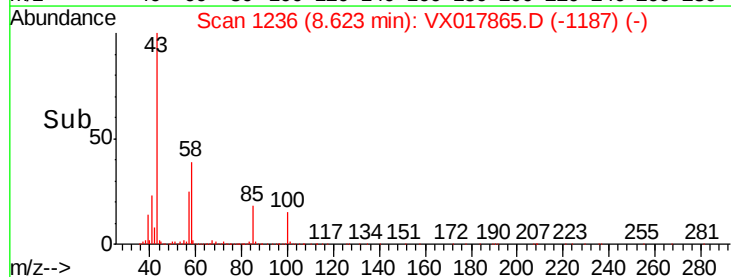
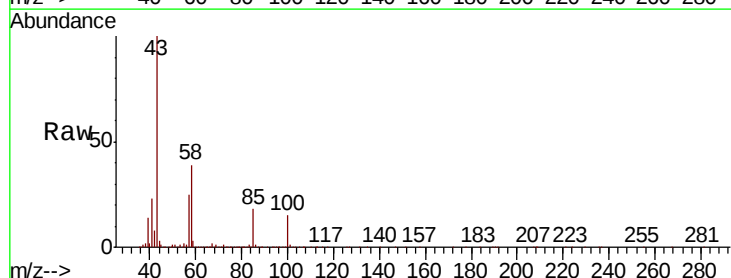
Tgt Ion: 43 Resp: 912768

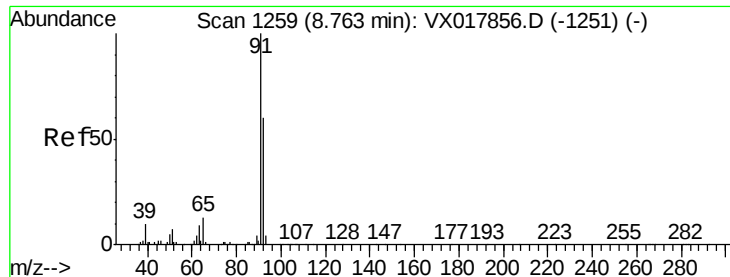
Ion Ratio Lower Upper

43 100

58 37.9 31.1 46.7

100 15.1 12.2 18.4





#42

Toluene

Concen: 4.507 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

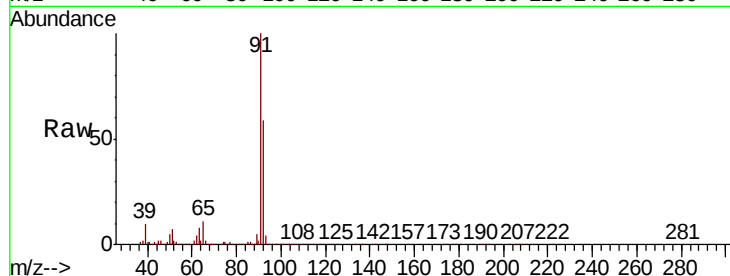
VSTD00571

Tot Ion: 91 Resp: 568387

Ion Ratio Lower Upper

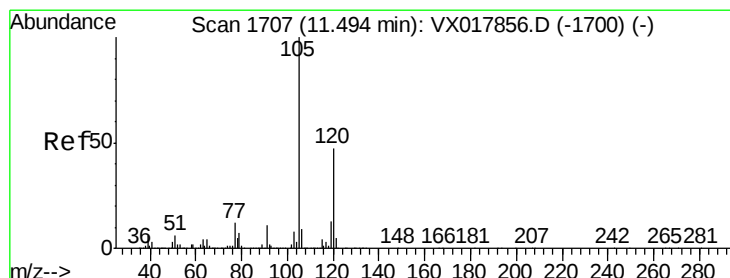
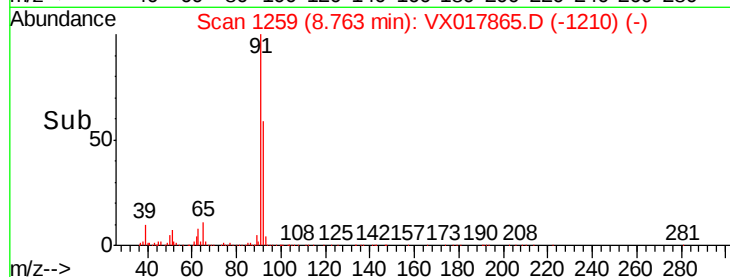
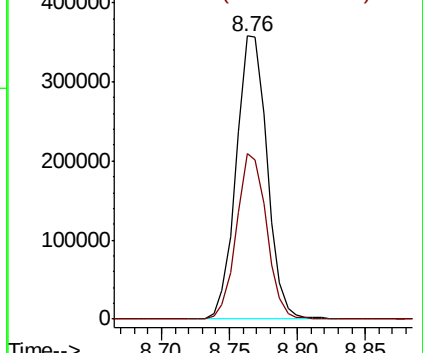
91 100

92 58.7 38.8 72.0



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: 4.217 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017865.D

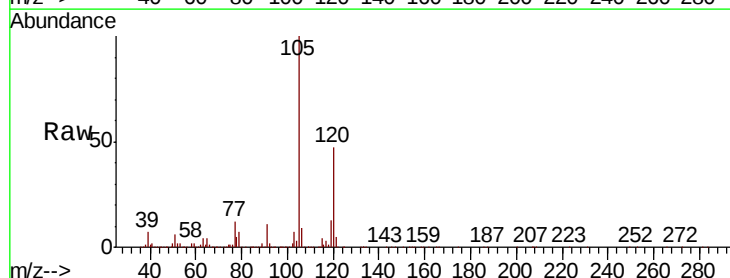
Acq: 12 Aug 2020 16:40

Tgt Ion:105 Resp: 485370

Ion Ratio Lower Upper

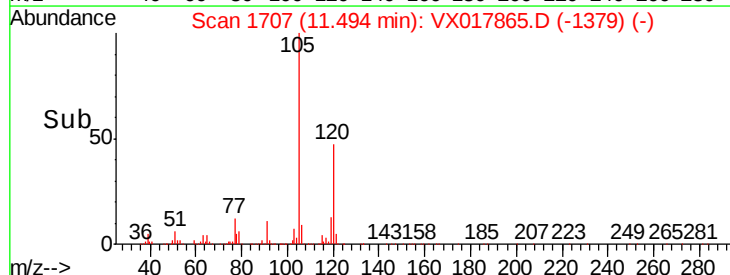
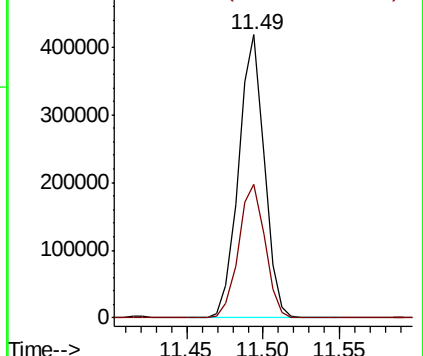
105 100

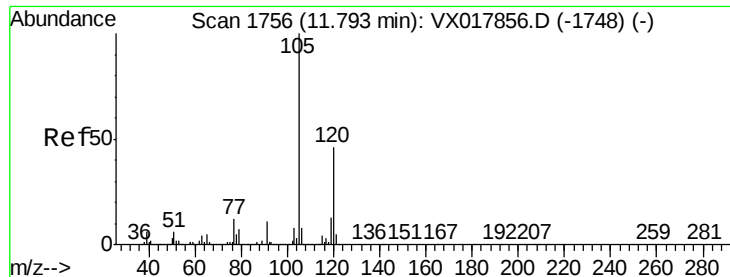
120 48.9 38.1 57.1



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: 4.324 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampled :

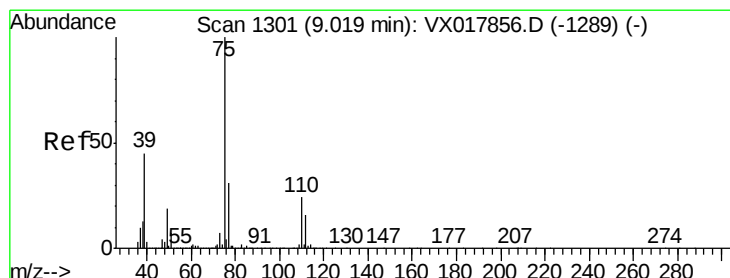
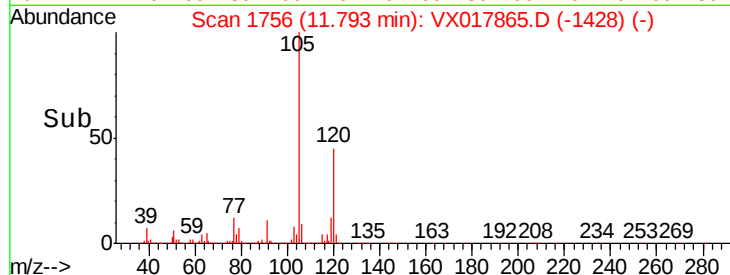
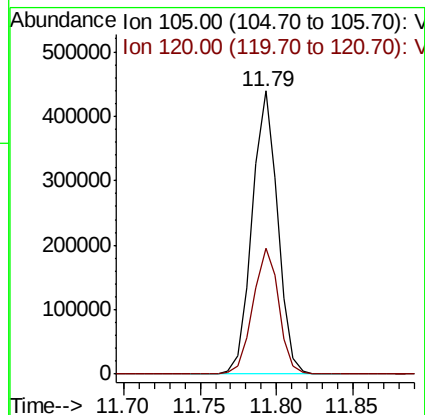
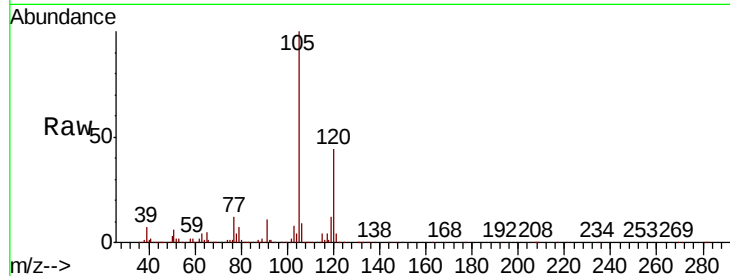
VSTD00571

Tot Ion:105 Resp: 506888

Ion Ratio Lower Upper

105 100

120 45.1 35.8 53.8



#46

trans-1,3-Dichloropropene

Concen: 4.416 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX017865.D

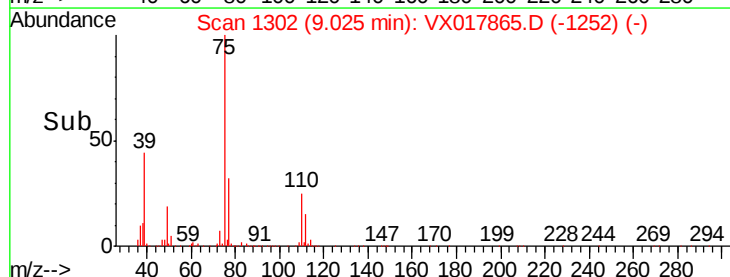
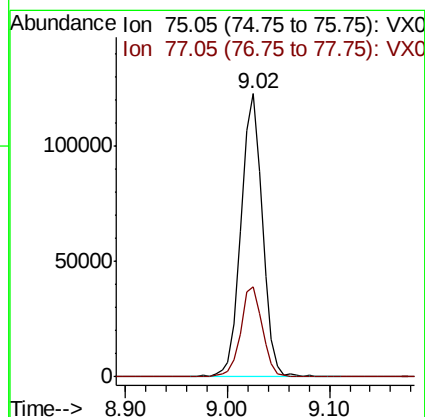
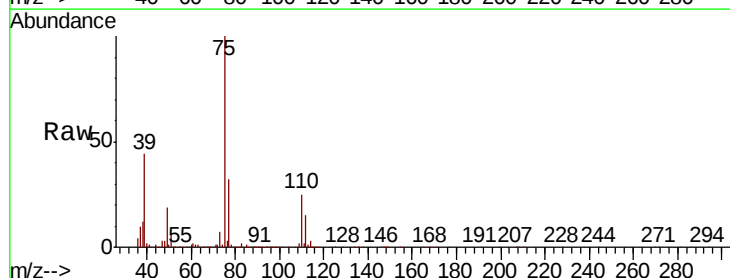
Acq: 12 Aug 2020 16:40

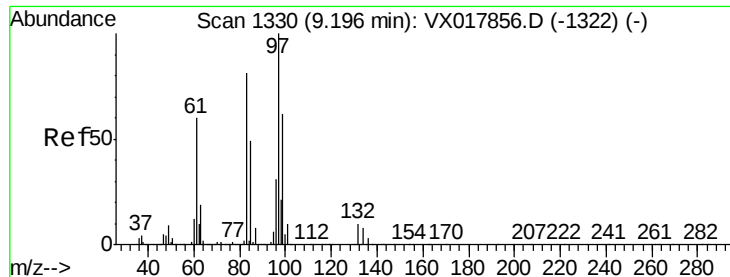
Tgt Ion: 75 Resp: 177169

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2

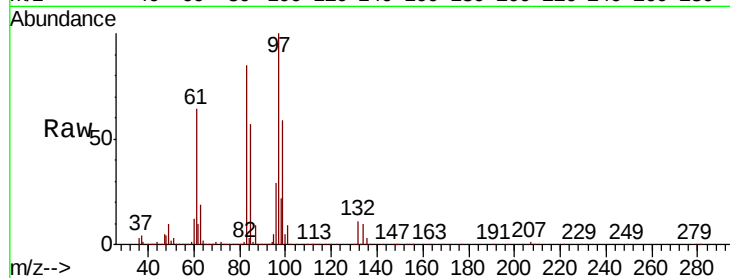




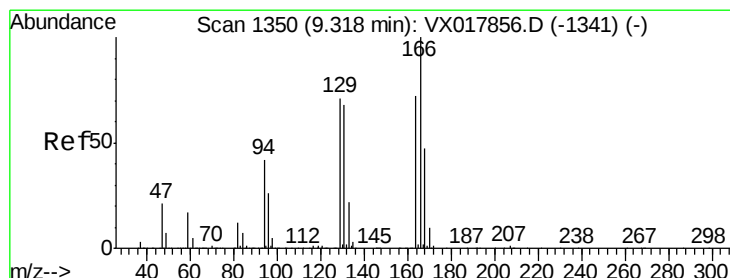
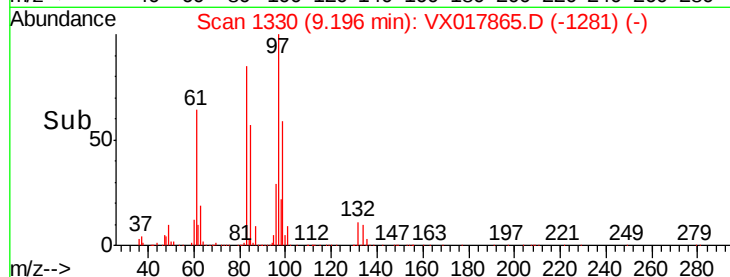
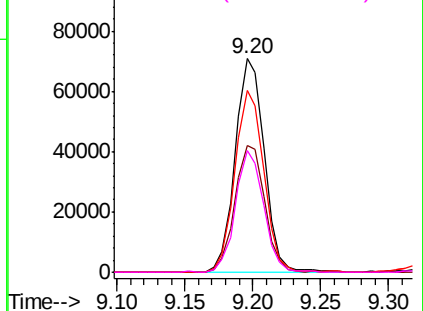
#47
 1,1,2-Trichloroethane
 Concen: 4.808 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00571

Tot Ion:	97	Resp:	105385
Ion	Ratio	Lower	Upper
97	100		
99	59.1	43.9	81.5
83	85.1	58.4	108.6
85	56.9	37.5	69.6

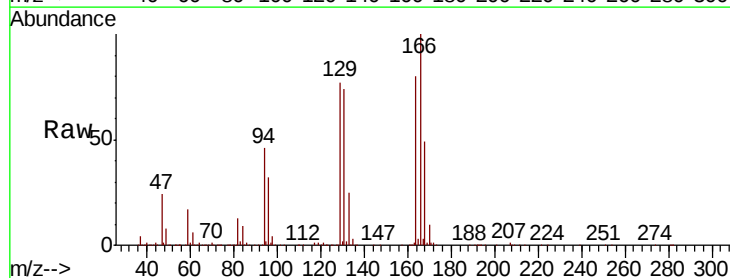


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

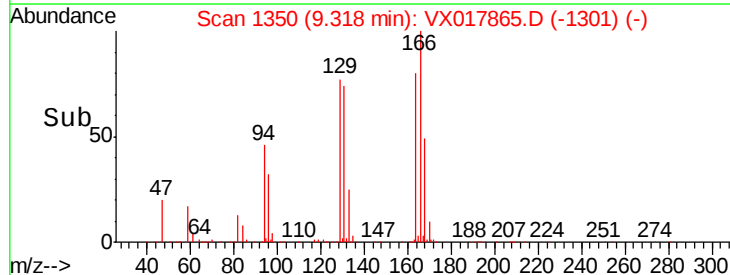
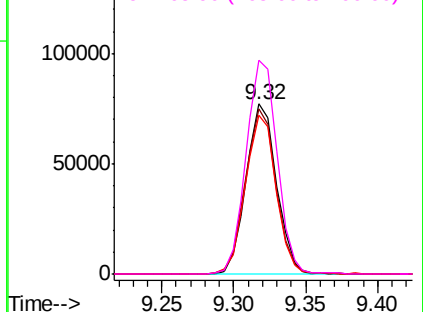


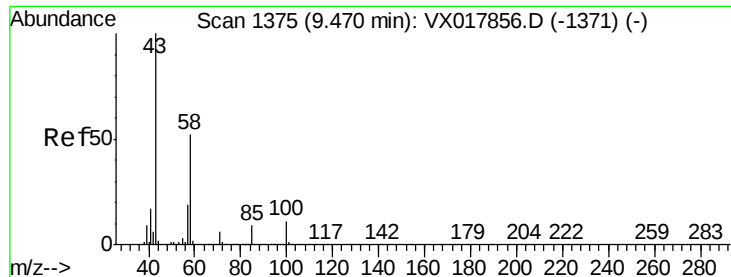
#49
 Tetrachloroethene
 Concen: 4.130 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Tgt Ion:	164	Resp:	112058
Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.4	125.2
131	93.2	65.3	121.3
166	125.7	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

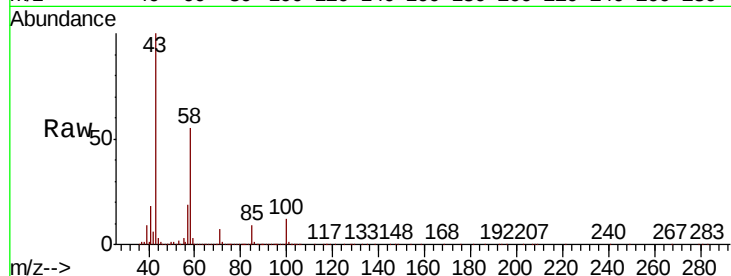




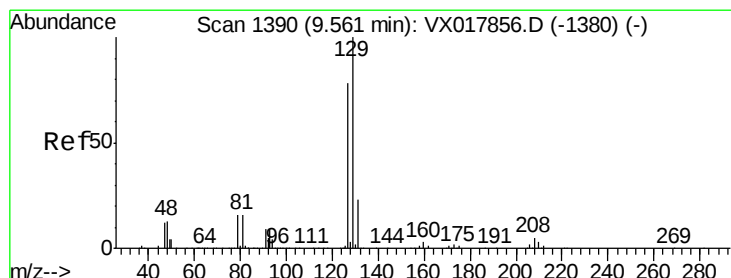
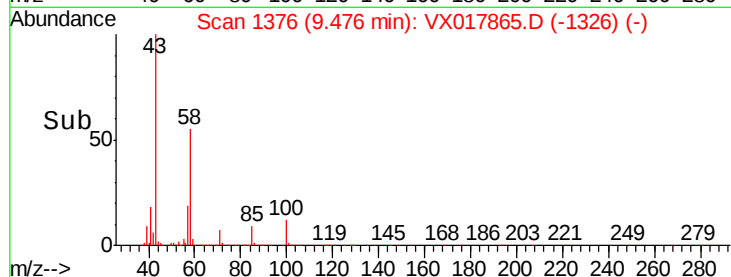
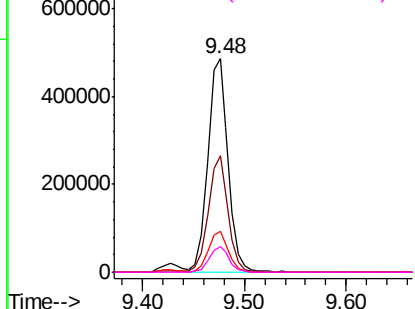
#50
2-Hexanone
Concen: 49.291 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD00571

Tot Ion:	43	Resp:	672025
Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.0	64.6
57	19.0	15.0	22.4
100	11.8	9.2	13.8

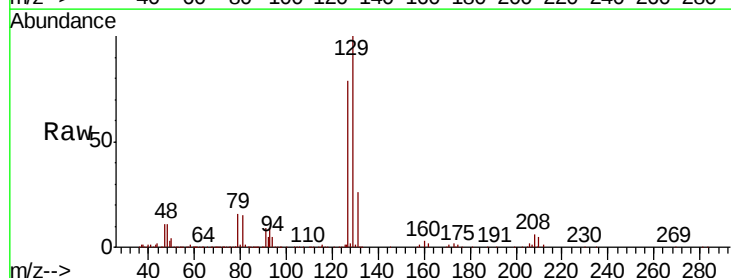


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

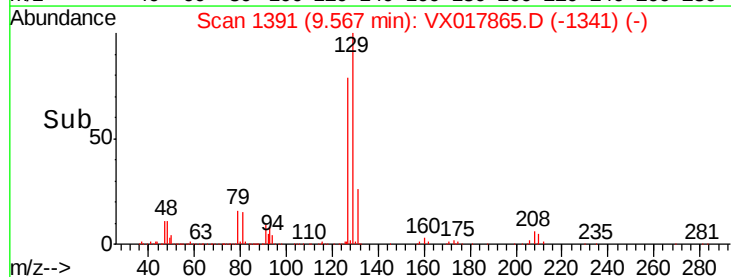
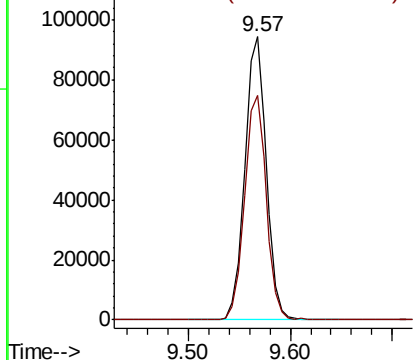


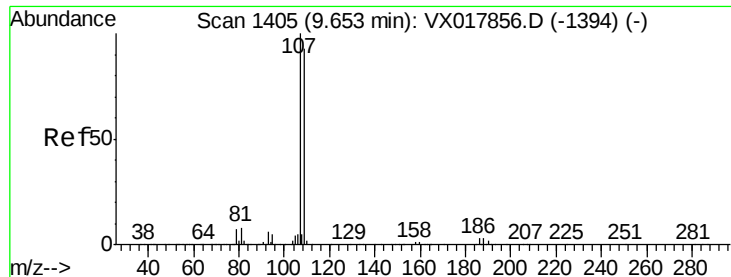
#51
Dibromochloromethane
Concen: 4.554 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

Tgt Ion:	129	Resp:	137517
Ion	Ratio	Lower	Upper
129	100		
127	79.1	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: 4.660 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00571

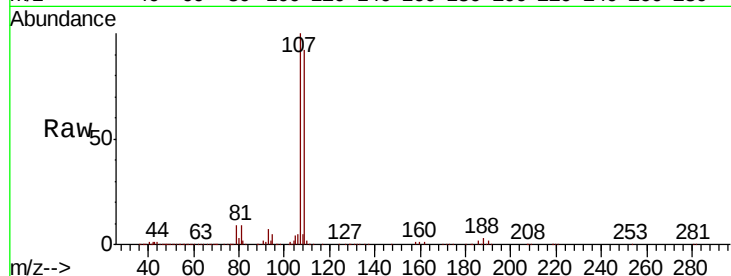
Tot Ion:107 Resp: 100001

Ion Ratio Lower Upper

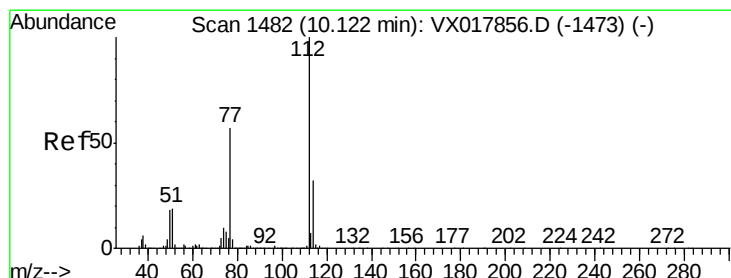
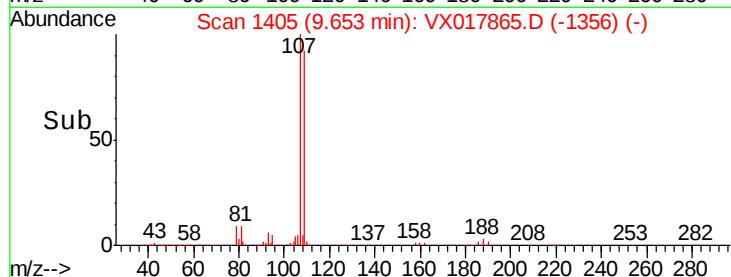
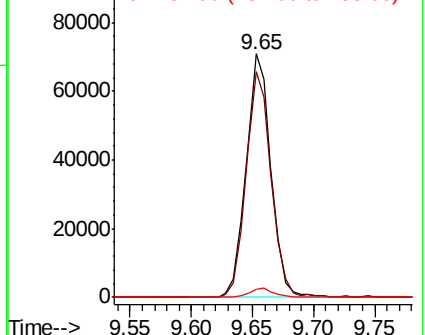
107 100

109 92.5 64.6 120.0

188 3.3 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: 4.433 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

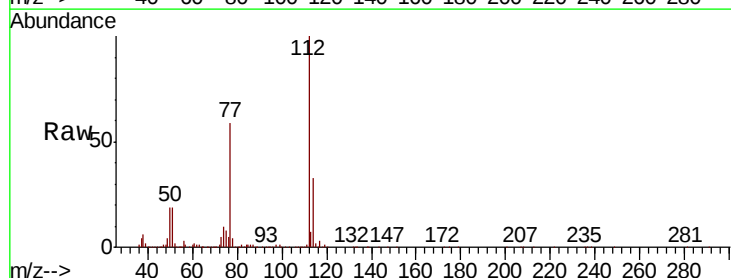
Tgt Ion:112 Resp: 363935

Ion Ratio Lower Upper

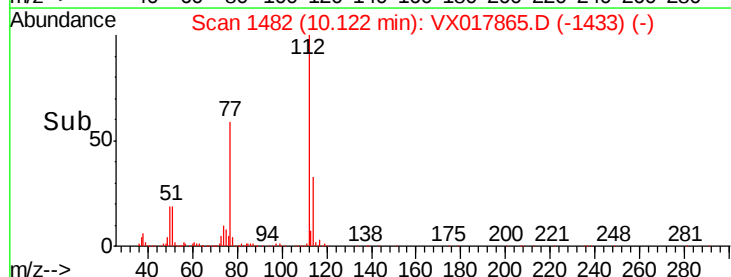
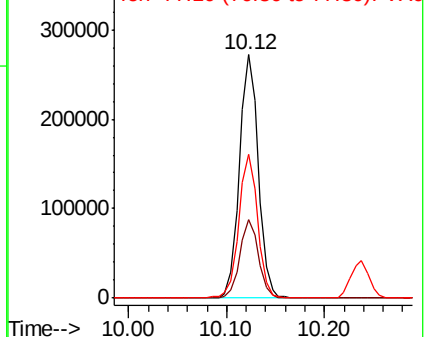
112 100

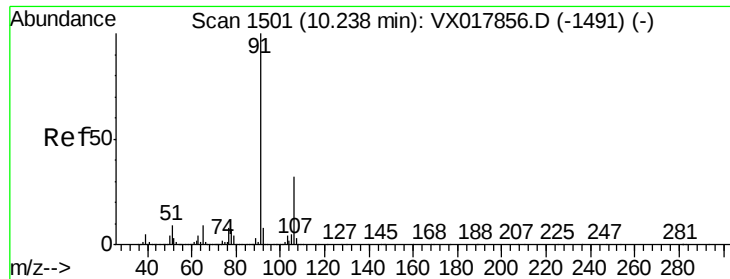
114 32.5 23.5 43.7

77 59.1 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): V





#54

Ethylbenzene

Concen: 4.317 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampled :

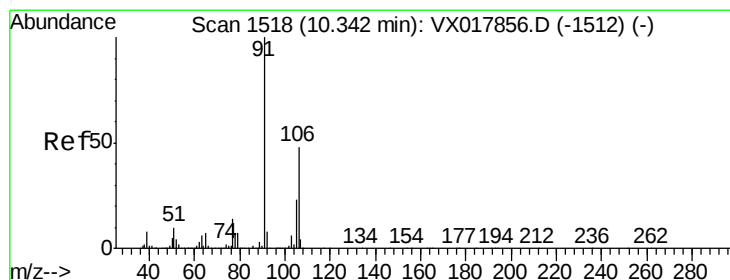
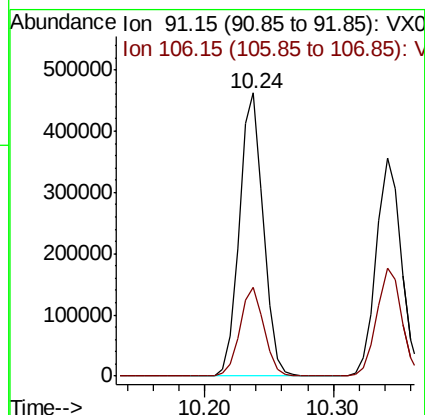
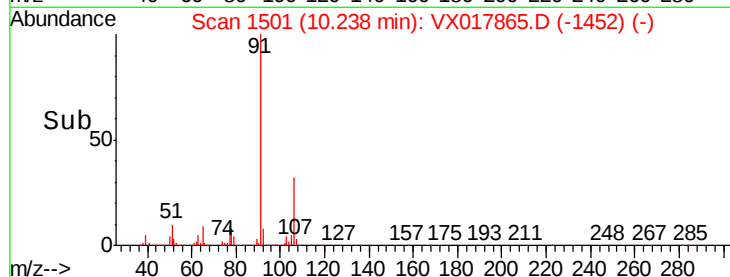
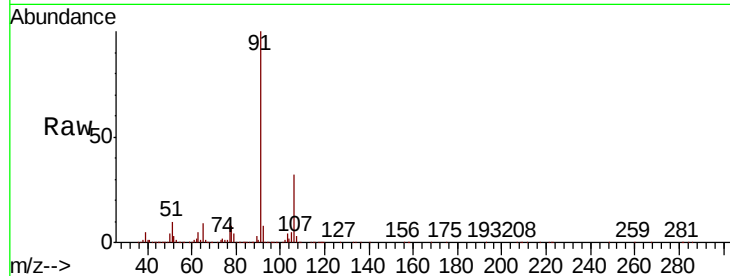
VSTD00571

Tot Ion: 91 Resp: 594119

Ion Ratio Lower Upper

91 100

106 31.6 22.5 41.9



#55

m,p-xylene

Concen: 4.478 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017865.D

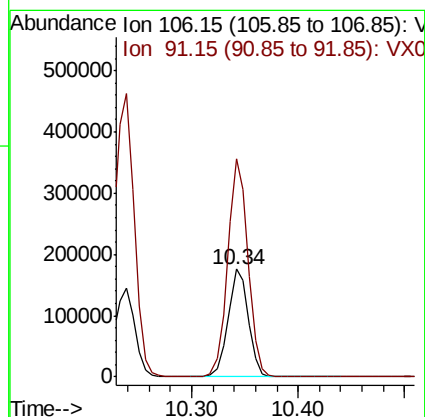
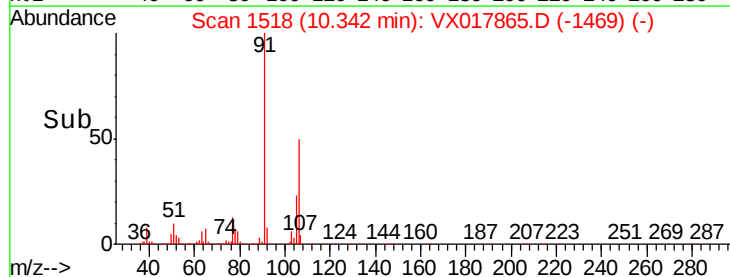
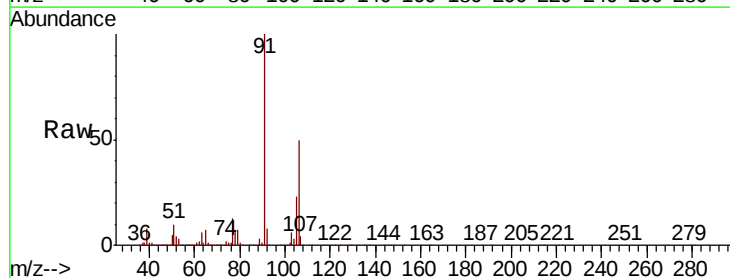
Acq: 12 Aug 2020 16:40

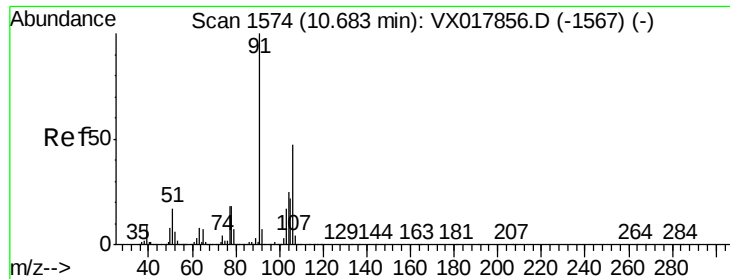
Tgt Ion: 106 Resp: 235326

Ion Ratio Lower Upper

106 100

91 202.0 143.3 266.1

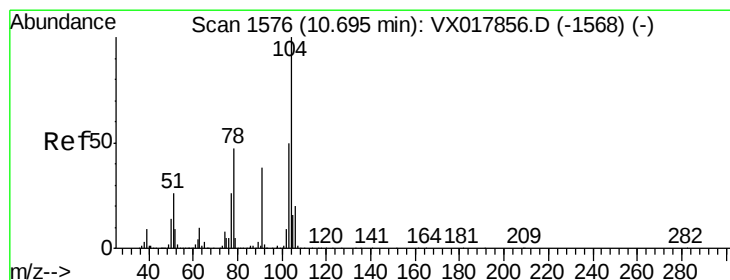
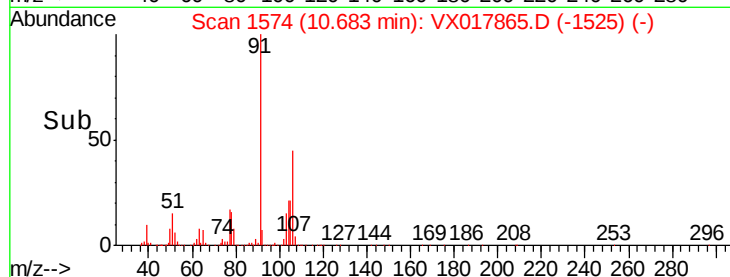
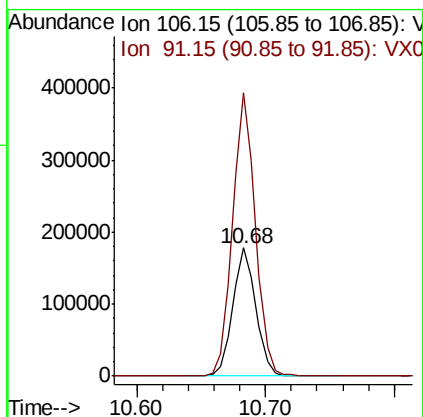
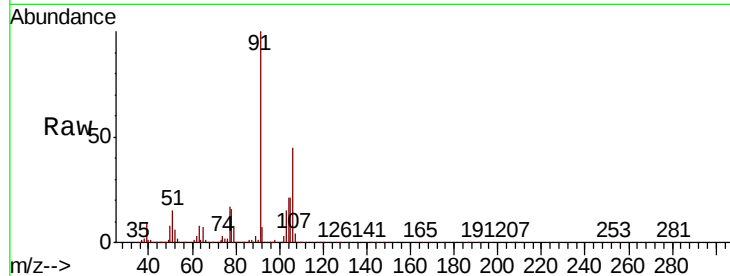




#56
o-xylene
Concen: 4.376 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

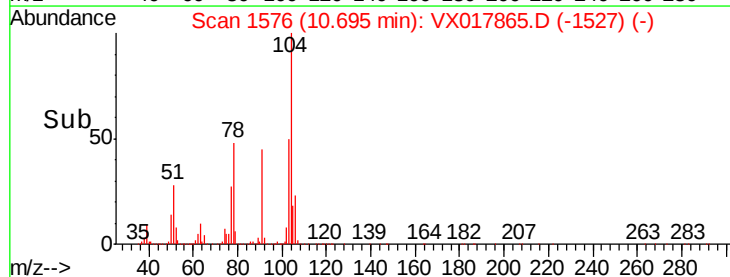
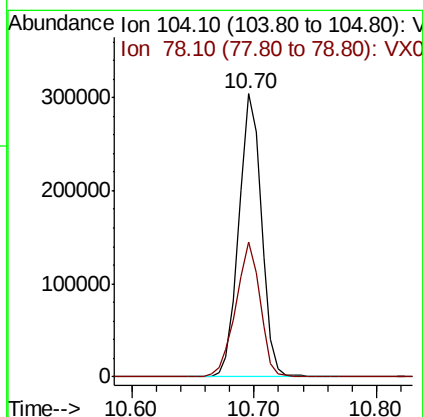
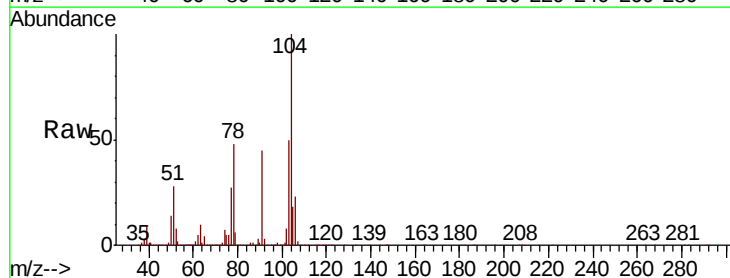
Instrument :
MSVOA_X
ClientSampled :
VSTD00571

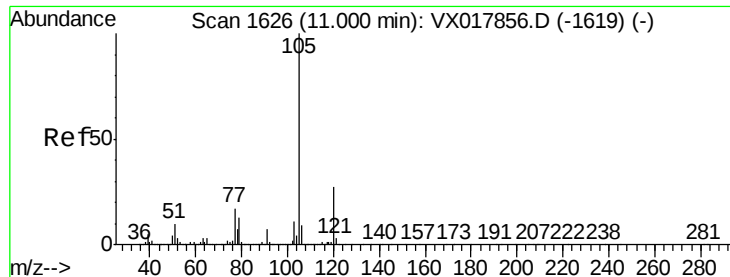
Tot Ion:106 Resp: 222939
Ion Ratio Lower Upper
106 100
91 221.3 149.8 278.2



#57
Styrene
Concen: 4.500 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017865.D
Acq: 12 Aug 2020 16:40

Tgt Ion:104 Resp: 387760
Ion Ratio Lower Upper
104 100
78 47.7 33.7 62.5





#58

Isopropylbenzene

Concen: 4.333 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00571

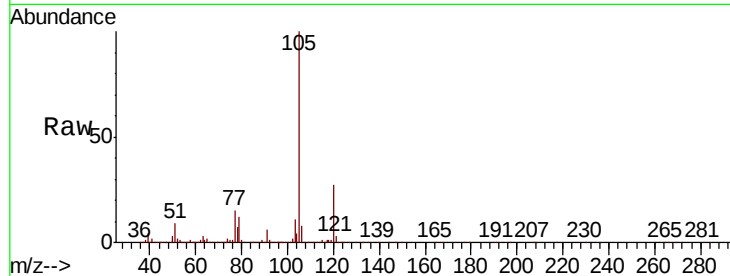
Tot Ion: 105 Resp: 590892

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

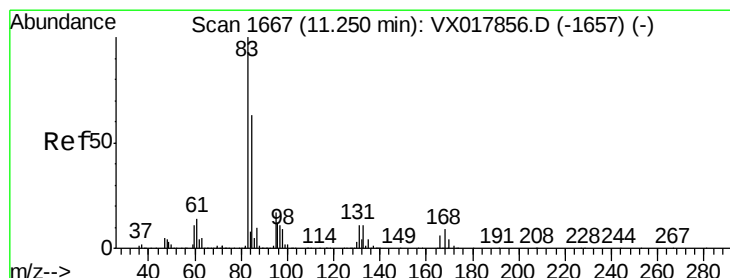
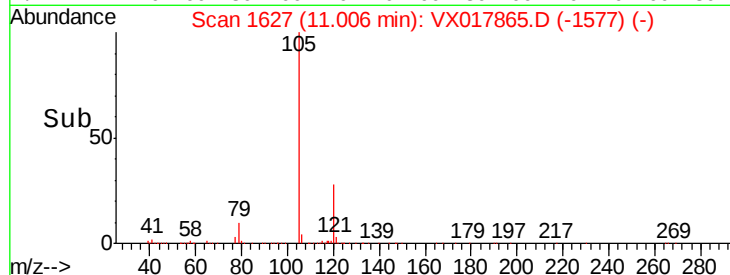
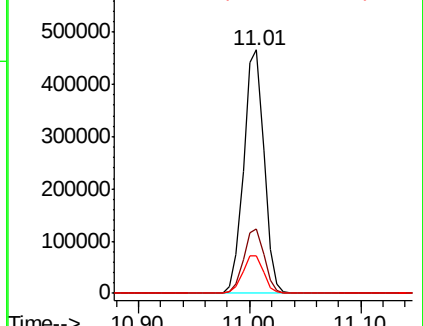
77 15.9 12.8 19.2



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: 4.755 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

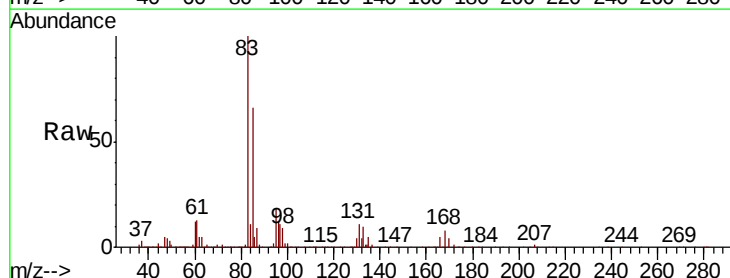
Tgt Ion: 83 Resp: 114483

Ion Ratio Lower Upper

83 100

85 66.3 44.6 82.8

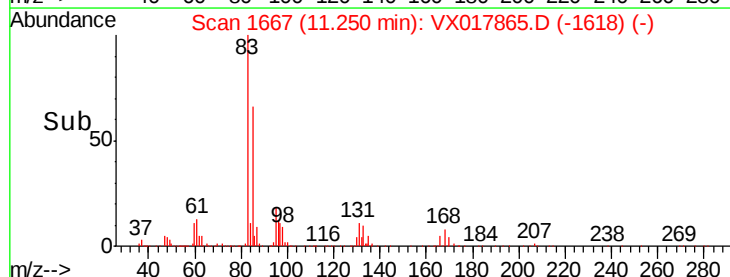
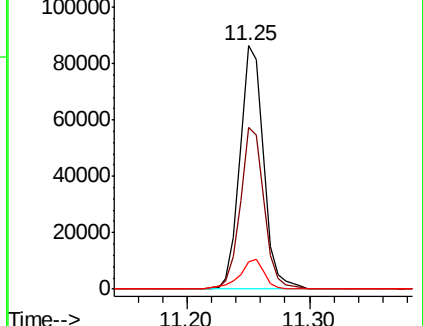
131 11.0 8.2 12.2

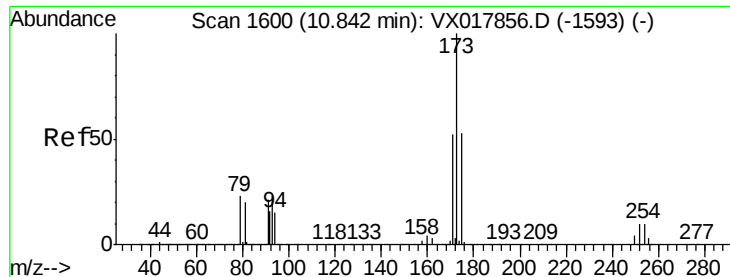


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.980 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00571

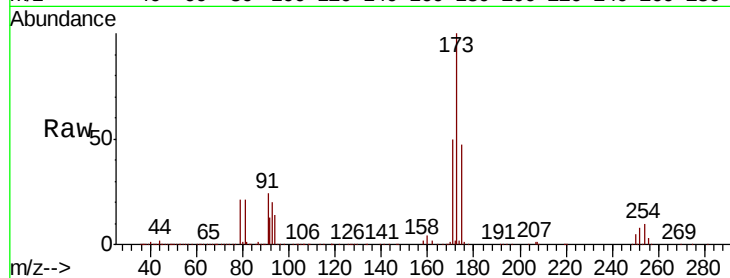
Tot Ion:173 Resp: 82770

Ion Ratio Lower Upper

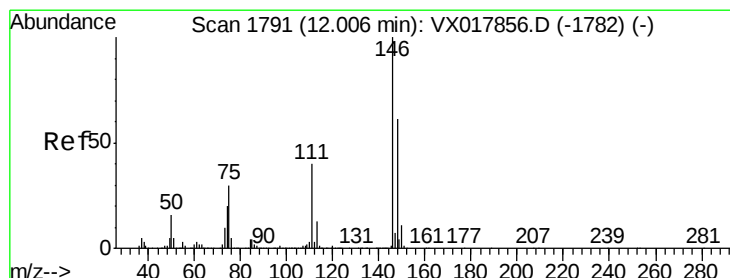
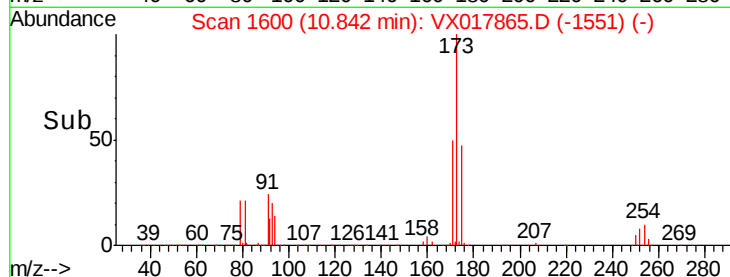
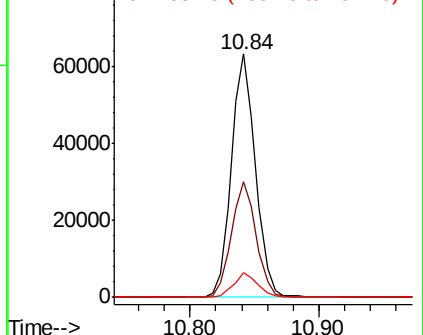
173 100

175 48.7 40.0 60.0

254 9.9 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: 4.564 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX017865.D

Acq: 12 Aug 2020 16:40

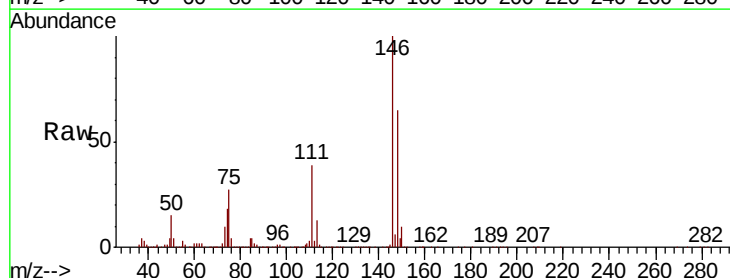
Tgt Ion:146 Resp: 295435

Ion Ratio Lower Upper

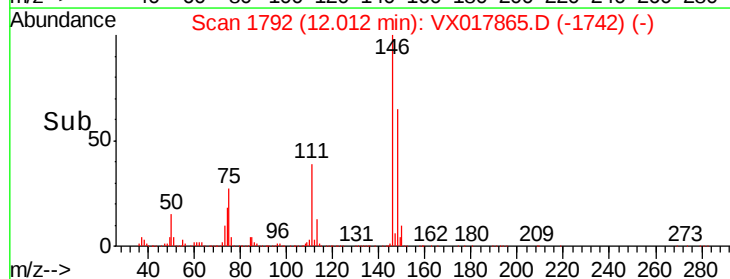
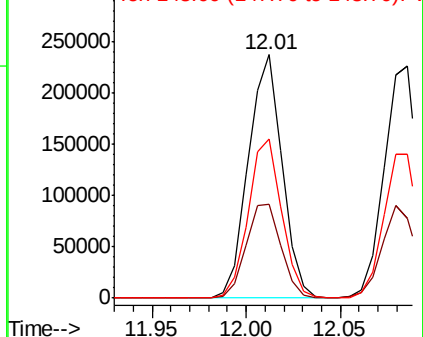
146 100

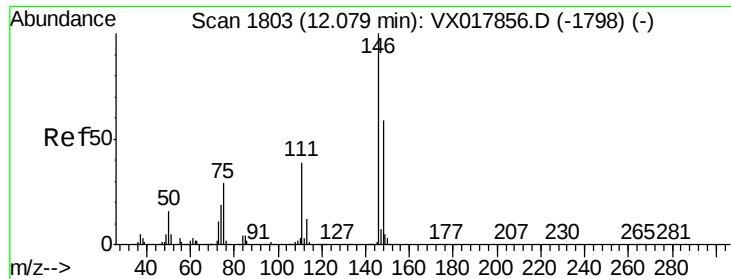
111 38.6 27.6 51.4

148 65.4 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

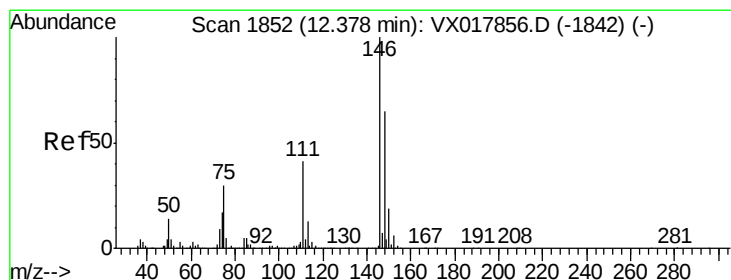
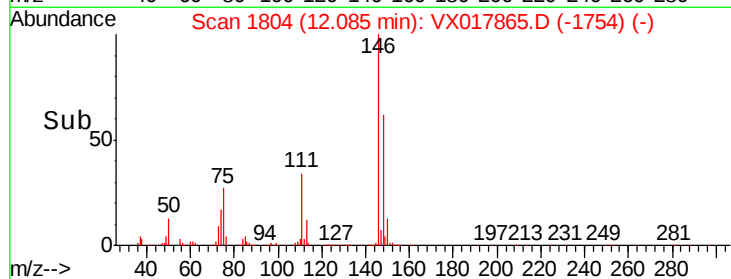
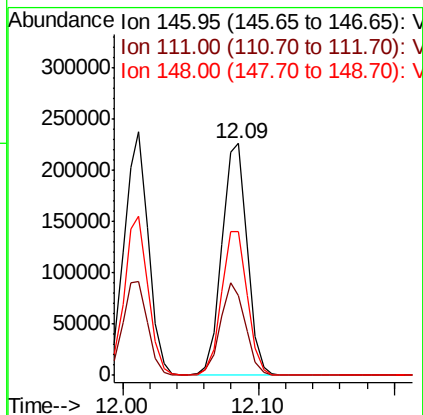
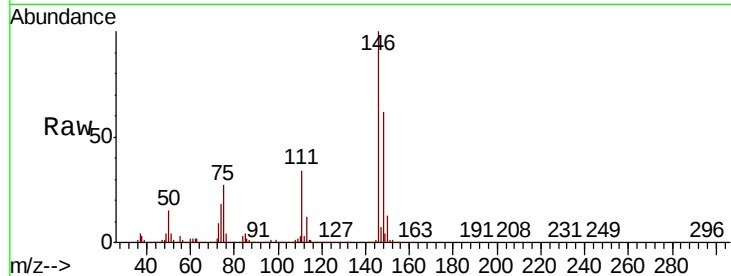




#64
 1,4-Dichlorobenzene
 Concen: 4.506 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

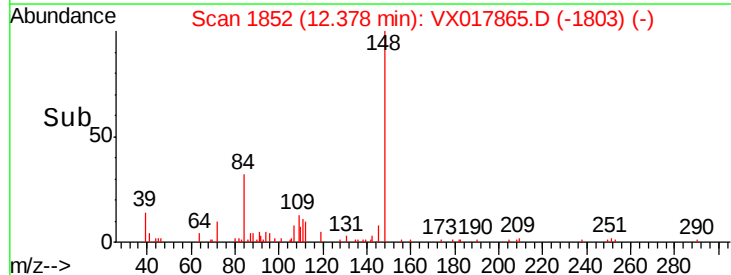
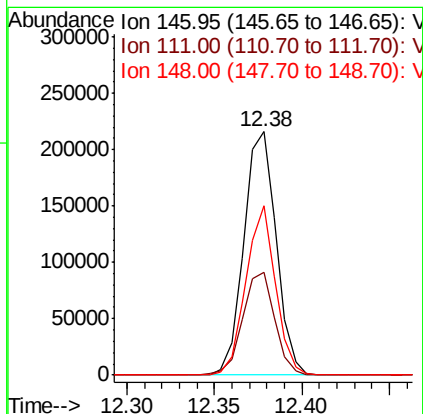
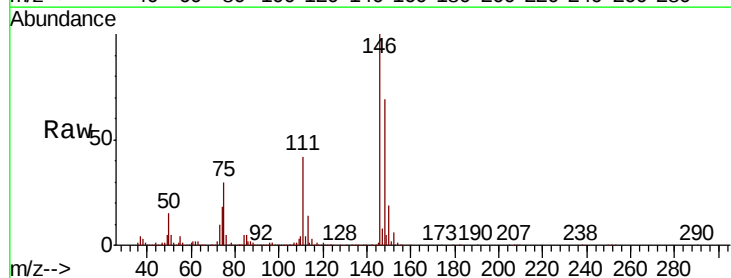
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00571

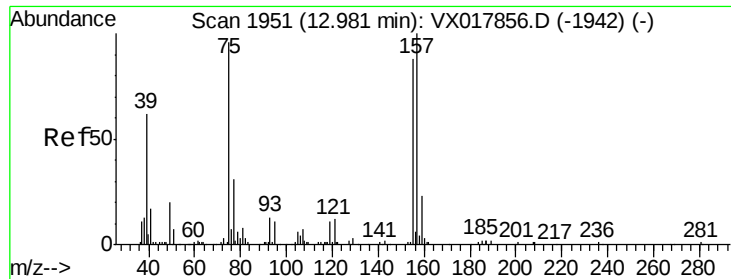
Tot Ion:146 Resp: 290114
 Ion Ratio Lower Upper
 146 100
 111 34.4 26.0 48.2
 148 62.1 43.2 80.2



#66
 1,2-Dichlorobenzene
 Concen: 4.615 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Tgt Ion:146 Resp: 277453
 Ion Ratio Lower Upper
 146 100
 111 42.3 32.2 48.4
 148 69.4 52.3 78.5

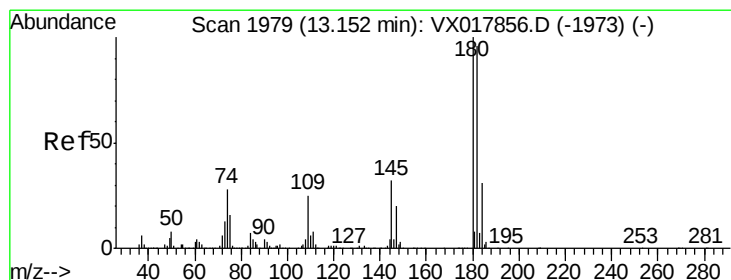
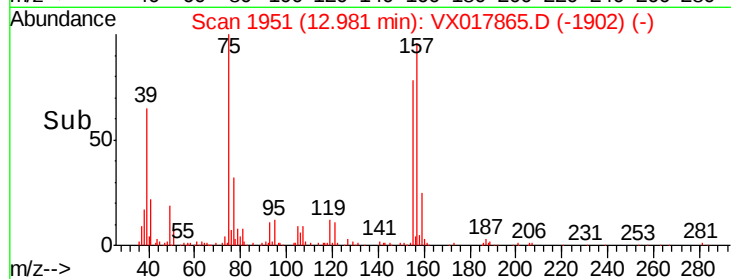
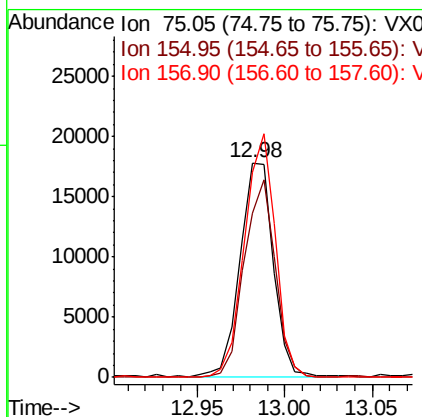
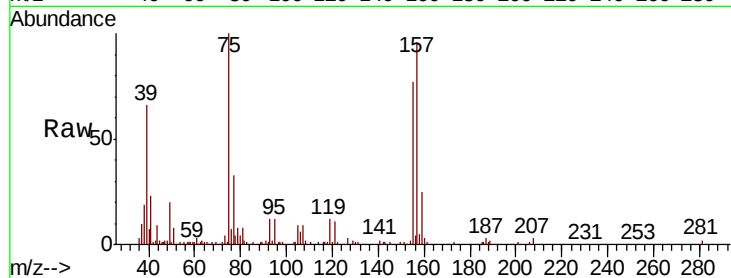




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.499 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

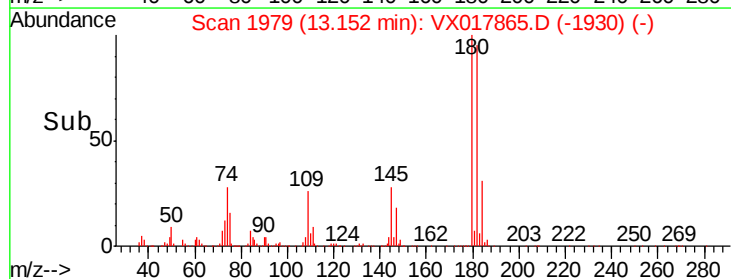
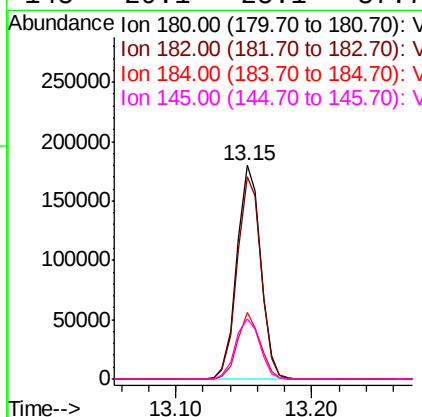
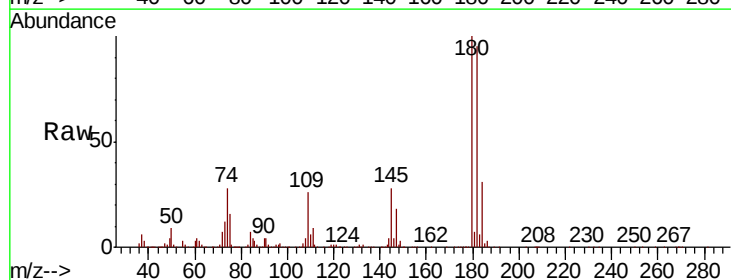
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD00571

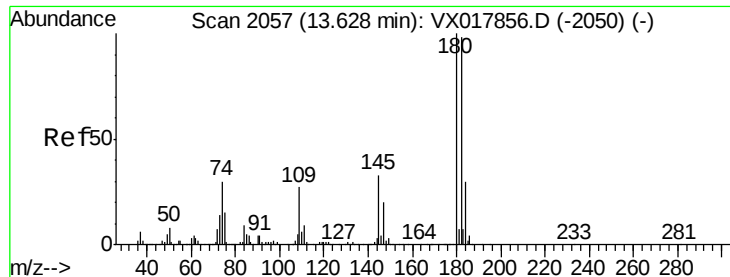
Tot Ion: 75 Resp: 23499
 Ion Ratio Lower Upper
 75 100
 155 76.9 60.9 91.3
 157 95.6 83.3 124.9



#68
 1,3,5-Trichlorobenzene
 Concen: 4.585 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Tgt Ion: 180 Resp: 219155
 Ion Ratio Lower Upper
 180 100
 182 94.9 80.2 120.4
 184 29.5 24.9 37.3
 145 29.1 25.1 37.7

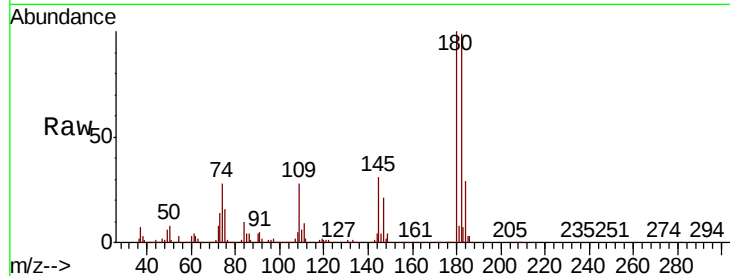




#69
 1,2,4-trichlorobenzene
 Concen: 4.388 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00571

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.5	114.7
145	30.0	25.4	38.0

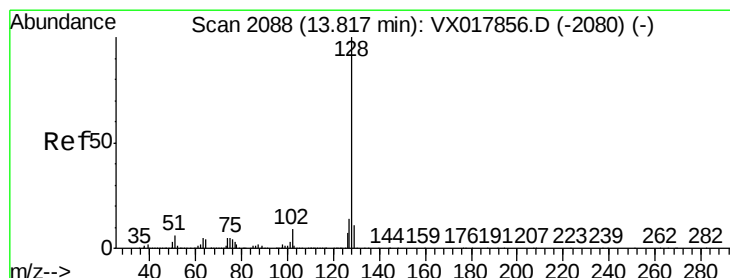
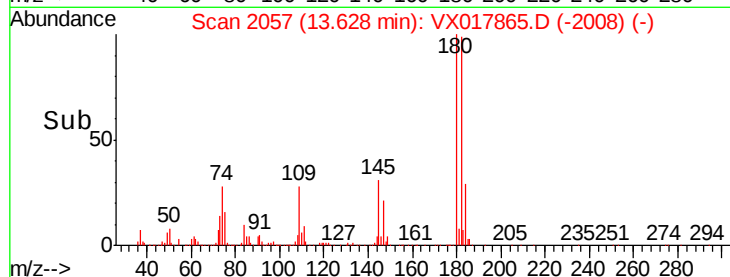
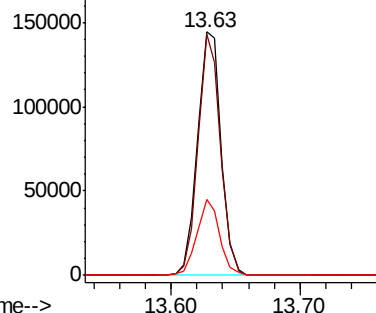


Abundance

Ion 179.90 (179.60 to 180.60): V

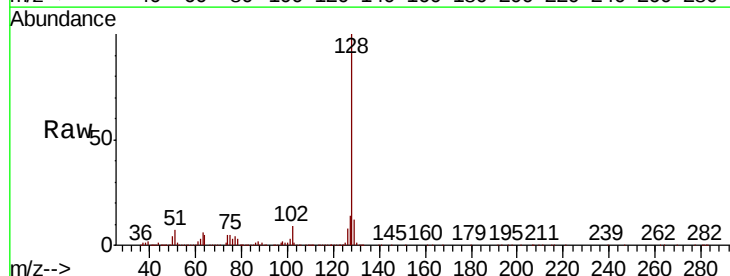
Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70
 Naphthalene
 Concen: 4.551 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	13.1	11.0	16.4

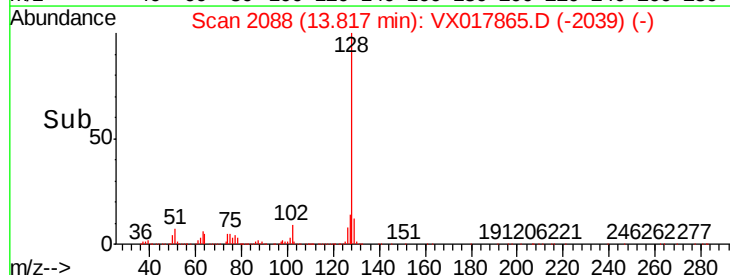
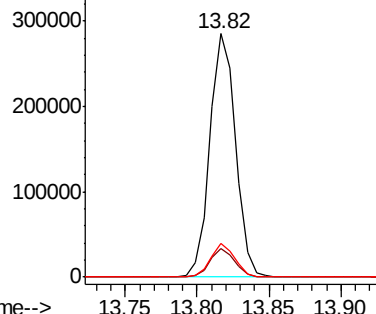


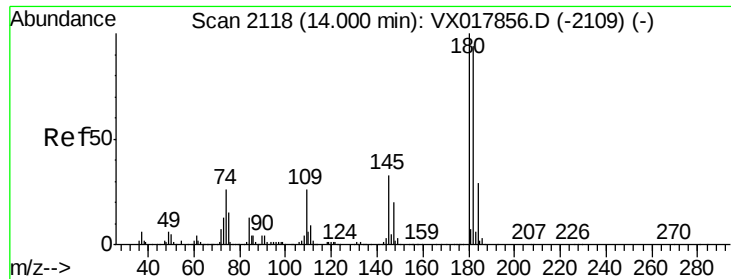
Abundance

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: 4.549 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX017865.D
 Acq: 12 Aug 2020 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00571

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.4	113.0
145	34.4	27.4	41.0

