

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082420\
 Data File : VV018078.D
 Acq On : 24 Aug 2020 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Quant Time: Aug 24 12:09:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 22 00:05:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	279989	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	275316	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151485	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108268	50.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.36%
7) Chloroethane-d5	1.58	69	91909	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.18%
11) 1,1-Dichloroethene-d2	2.12	63	211359	51.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.44%
21) 2-Butanone-d5	3.91	46	130210	93.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.06%
24) Chloroform-d	4.37	84	196792	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.05	65	126246	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
32) Benzene-d6	5.07	84	388299	51.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.36%
36) 1,2-Dichloropropane-d6	6.09	67	123289	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.40%
41) Toluene-d8	7.33	98	358669	52.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.12%
43) trans-1,3-Dichloropropene-	7.64	79	61018	54.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.46%
47) 2-Hexanone-d5	8.11	63	75555	94.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.91%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	153954	47.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	145412	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	100157	46.334	ug/L 99
3) Chloromethane	1.25	50	110492	44.003	ug/L 99
5) Vinyl chloride	1.32	62	119043	47.849	ug/L 98
6) Bromomethane	1.53	94	68021	45.746	ug/L 100
8) Chloroethane	1.60	64	76376	48.098	ug/L 99
9) Trichlorofluoromethane	1.76	101	176080	49.547	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104045	52.434	ug/L 99
12) 1,1-Dichloroethene	2.13	96	93829	49.958	ug/L 96
13) Acetone	2.19	43	165286	114.370	ug/L 99
14) Carbon disulfide	2.31	76	254261	49.187	ug/L 100
15) Methyl Acetate	2.45	43	106979	45.870	ug/L 99
16) Methylene chloride	2.52	84	105858	44.241	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	94138	48.760	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	312580	48.956	ug/L 99
19) 1,1-Dichloroethane	3.21	63	191433	49.313	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	104914	49.451	ug/L 100
22) 2-Butanone	3.99	43	170513	105.173	ug/L 99

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD05061

Quant Time: Aug 24 12:09:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 22 00:05:13 2020
 Response via : Initial Calibration

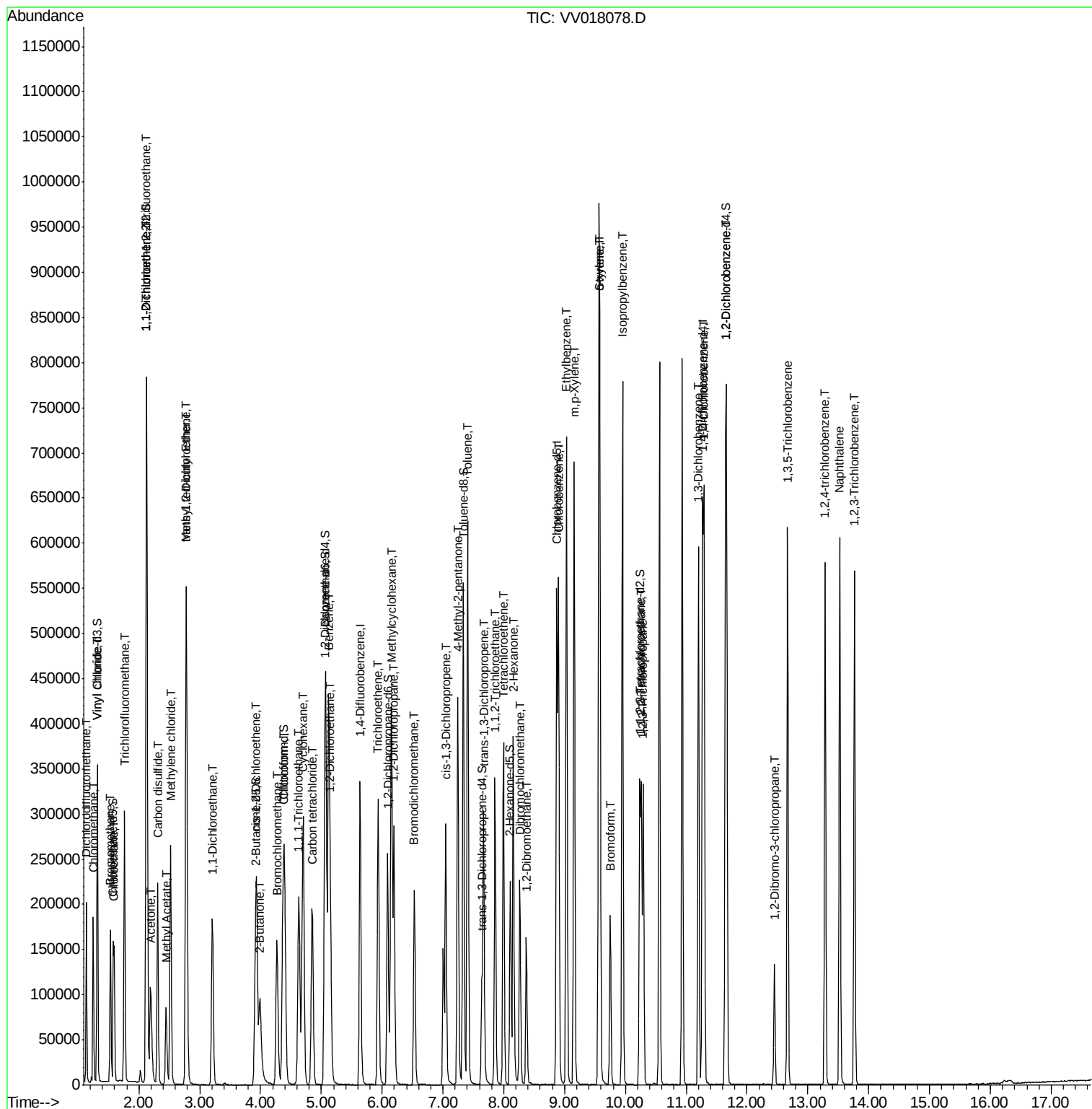
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55856	50.397	ug/L	97
25) Chloroform	4.40	83	196918	49.733	ug/L	99
27) 1,2-Dichloroethane	5.15	62	149602	47.468	ug/L	98
29) Cyclohexane	4.70	56	165250	49.731	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	169204	50.152	ug/L	98
31) Carbon tetrachloride	4.85	117	148130	52.741	ug/L	100
33) Benzene	5.12	78	411653	48.328	ug/L	100
34) Trichloroethene	5.93	95	108800	48.323	ug/L	97
35) Methylcyclohexane	6.15	83	169825	50.725	ug/L	99
37) 1,2-Dichloropropane	6.19	63	112558	48.455	ug/L	100
38) Bromodichloromethane	6.53	83	146249	50.687	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	171959	52.219	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	282954	93.180	ug/L	100
42) Toluene	7.41	91	440310	49.539	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	168294	53.864	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	103538	48.130	ug/L	99
46) Tetrachloroethene	7.99	164	86131	52.161	ug/L	98
48) 2-Hexanone	8.15	43	239069	97.631	ug/L	100
49) Dibromochloromethane	8.26	129	114098	54.339	ug/L	98
50) 1,2-Dibromoethane	8.37	107	107103	48.121	ug/L	97
51) Chlorobenzene	8.90	112	282971	49.501	ug/L	100
52) Ethylbenzene	9.03	91	489767	50.537	ug/L	100
53) m,p-Xylene	9.16	106	182780	51.279	ug/L	98
54) o-xylene	9.56	106	178033	50.542	ug/L	98
55) Styrene	9.58	104	316798	52.518	ug/L	100
56) Isopropylbenzene	9.95	105	484197	52.106	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	155080	46.295	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	131006	45.666	ug/L	100
61) Bromoform	9.75	173	82368	57.465	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	235457	48.879	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	242427	48.989	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	235197	47.436	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	33643	46.053	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	187228	51.164	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	171708	53.371	ug/L	100
69) Naphthalene	13.52	128	441106	49.744	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	172201	52.632	ug/L	99

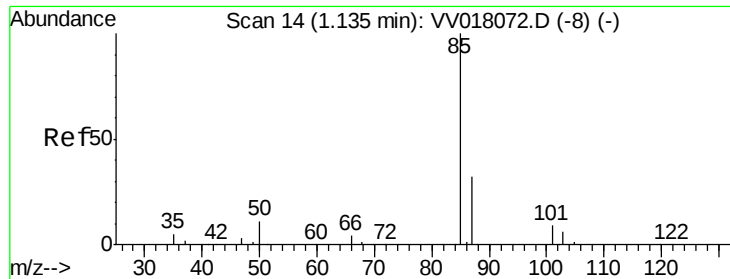
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV082420\  
Data File : VV018078.D  
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Operator  : SY/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_V/WATER  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Quant Time: Aug 24 12:09:15 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 22 00:05:13 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 46.334 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

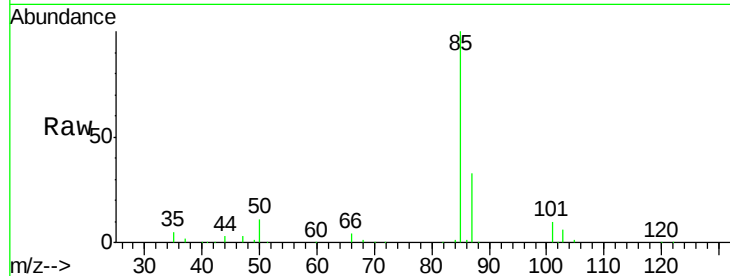
VSTD05061

Tgt Ion: 85 Resp: 100157

Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

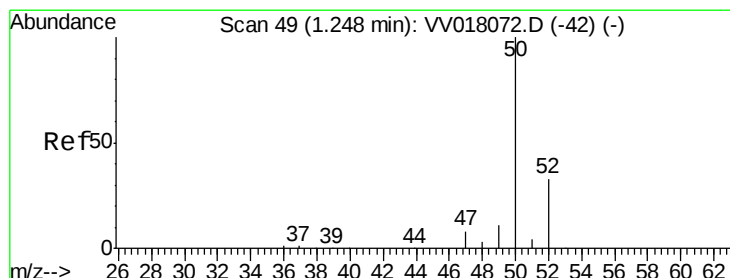
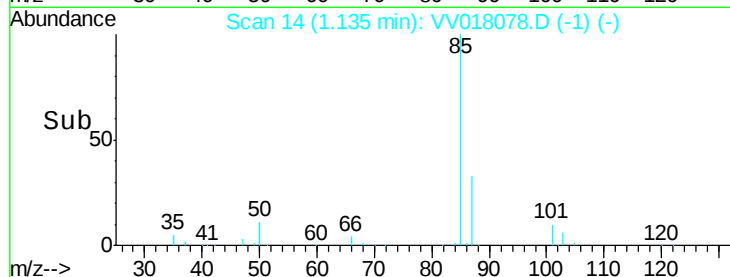
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 44.003 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018078.D

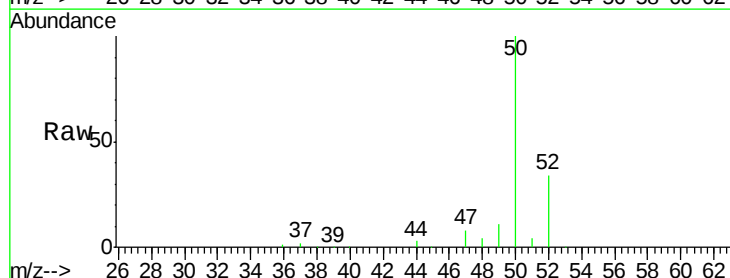
Acq: 24 Aug 2020 10:11

Tgt Ion: 50 Resp: 110492

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

120000

100000

80000

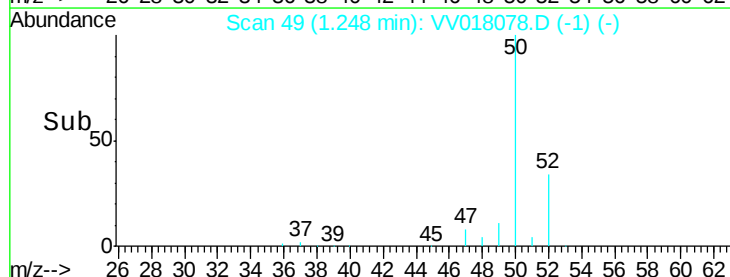
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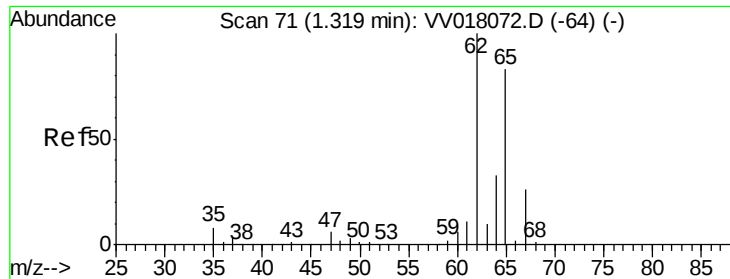
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20000

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Time-->





#5

Vinyl chloride

Concen: 47.849 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

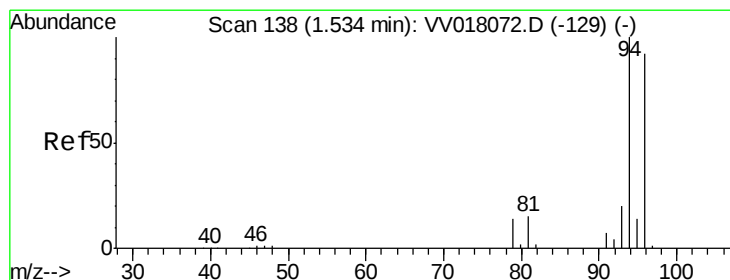
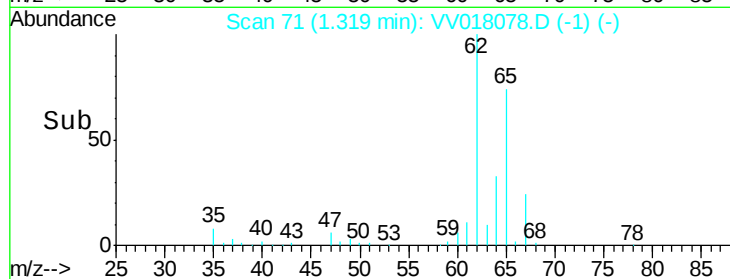
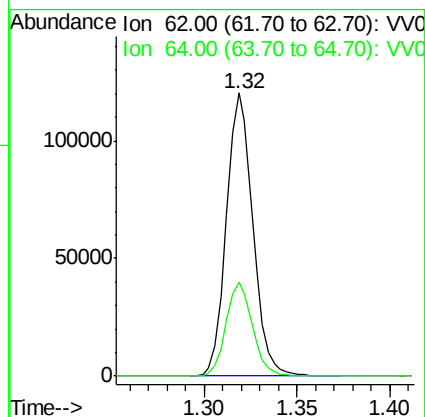
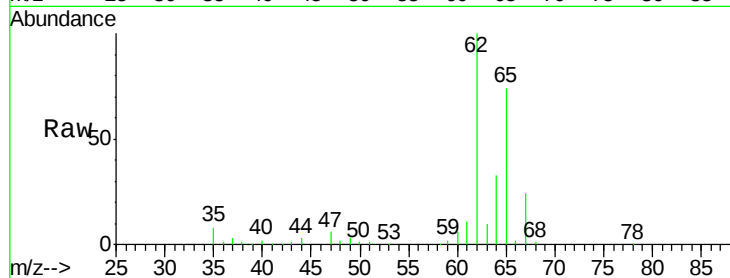
VSTD05061

Tgt Ion: 62 Resp: 119043

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



#6

Bromomethane

Concen: 45.746 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018078.D

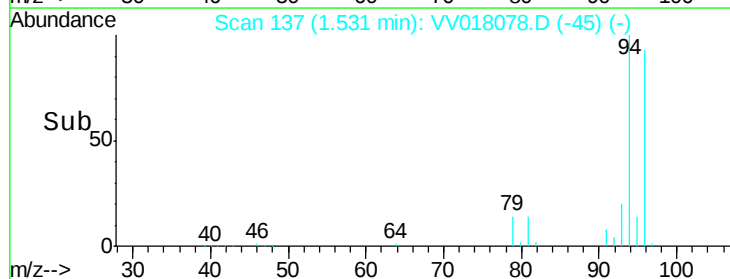
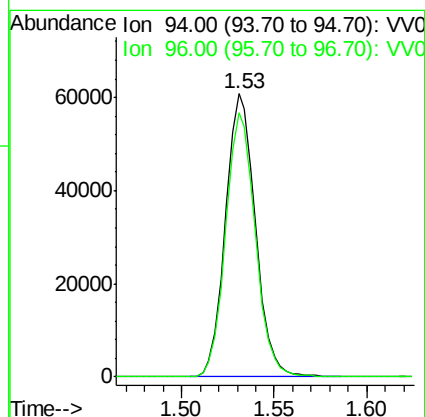
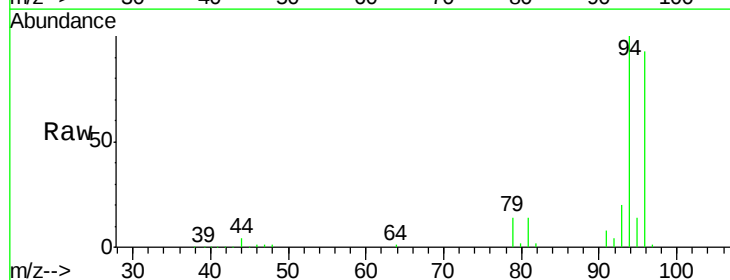
Acq: 24 Aug 2020 10:11

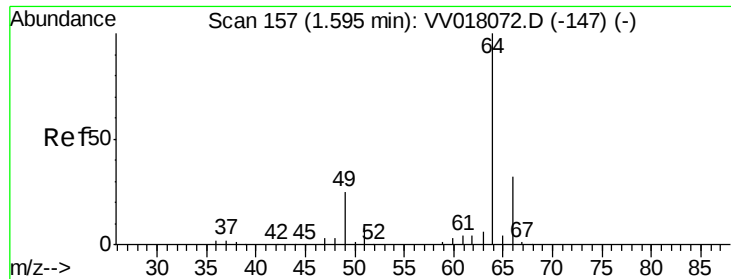
Tgt Ion: 94 Resp: 68021

Ion Ratio Lower Upper

94 100

96 93.2 65.5 121.7

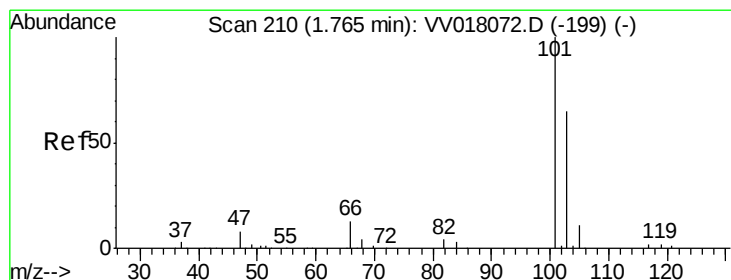
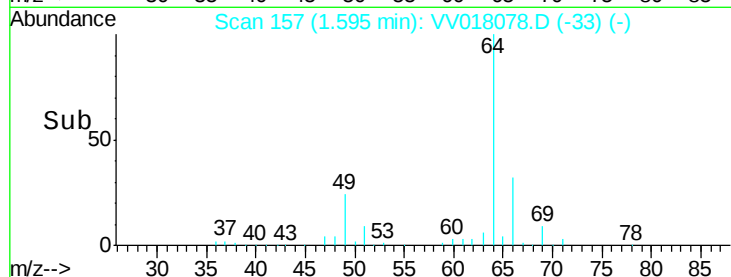
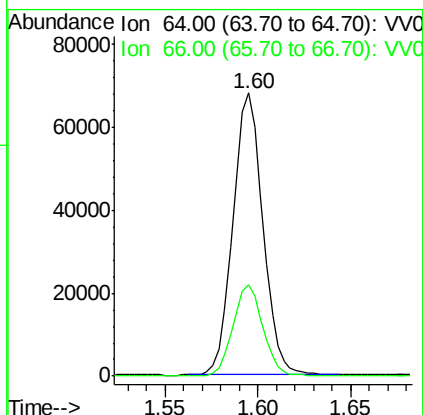
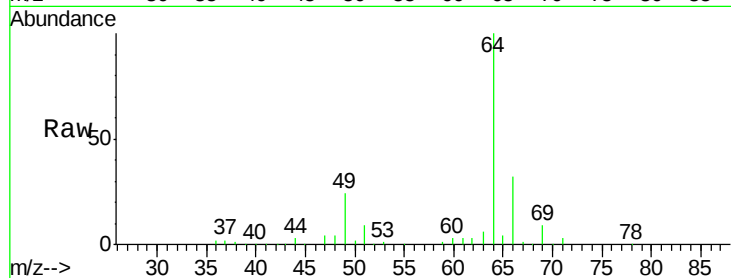




#8
 Chloroethane
 Concen: 48.098 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

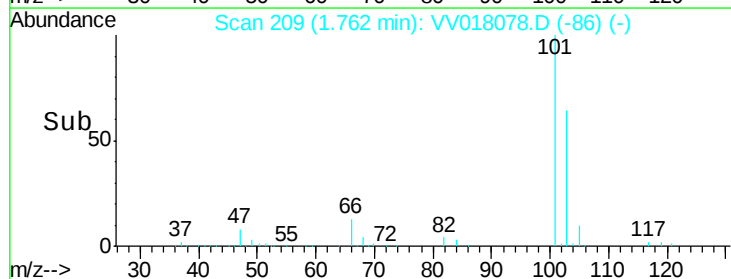
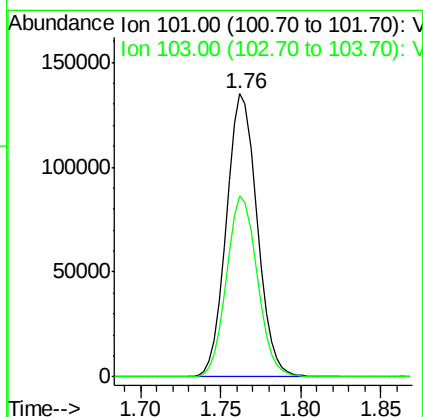
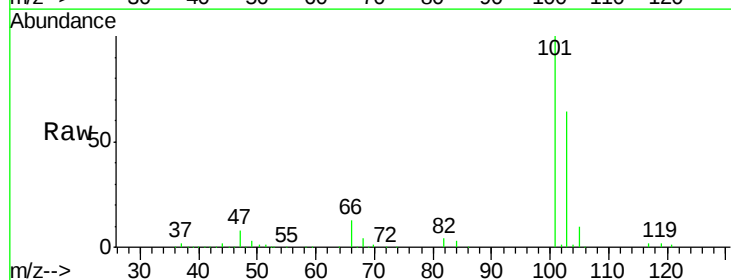
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

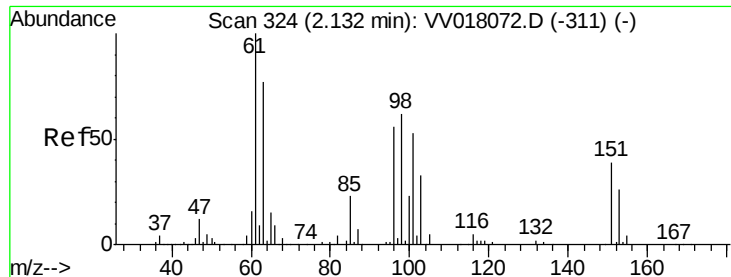
Tgt Ion: 64 Resp: 76376
 Ion Ratio Lower Upper
 64 100
 66 32.2 22.3 41.3



#9
 Trichlorofluoromethane
 Concen: 49.547 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion: 101 Resp: 176080
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.5 77.3





#10

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

Concen: 52.434 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

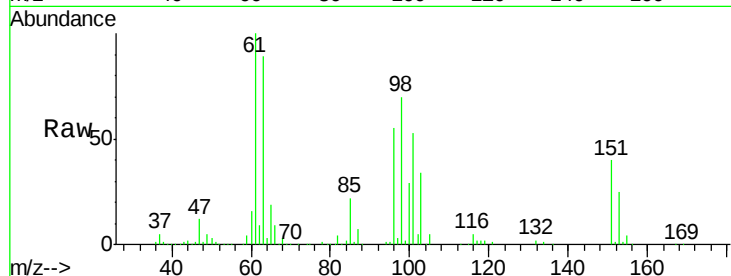
Tgt Ion: 101 Resp: 104045

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

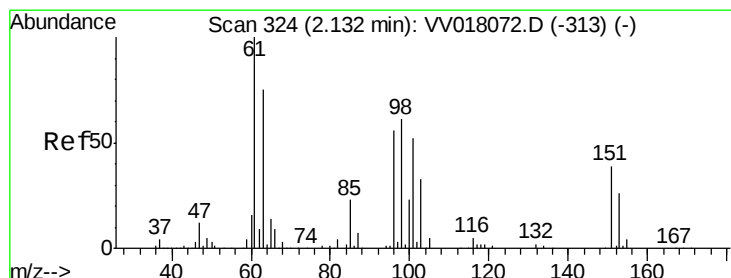
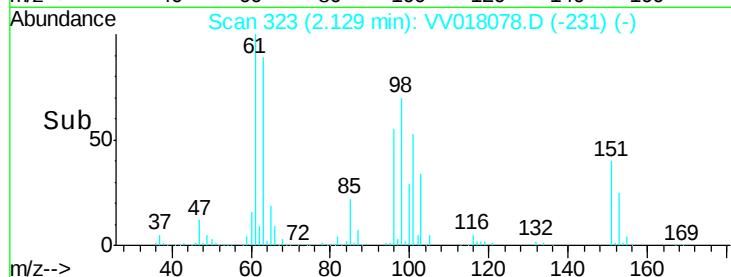
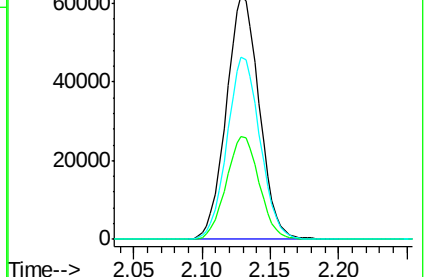
151 74.8 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018072.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018072.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018072.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 49.958 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

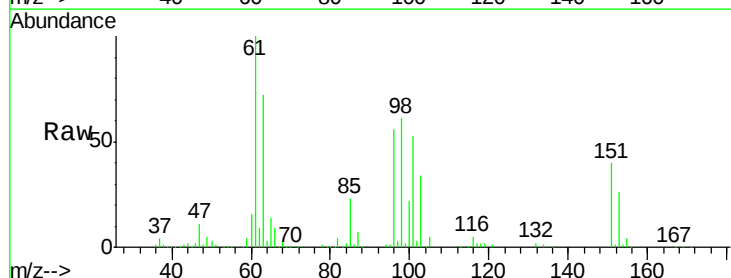
Tgt Ion: 96 Resp: 93829

Ion Ratio Lower Upper

96 100

61 177.5 127.1 236.0

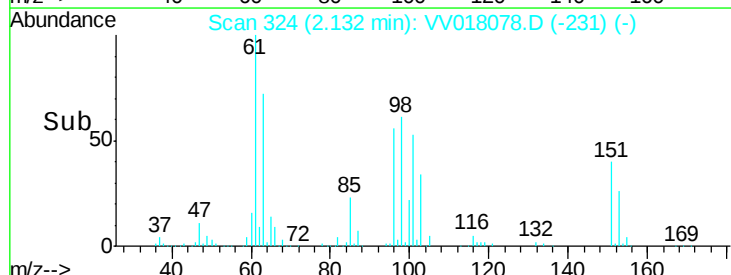
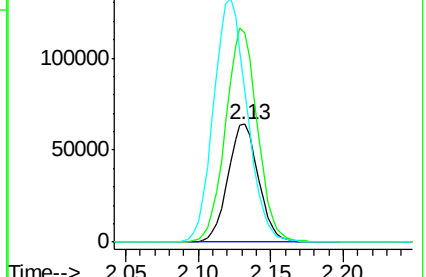
63 128.2 95.2 176.8

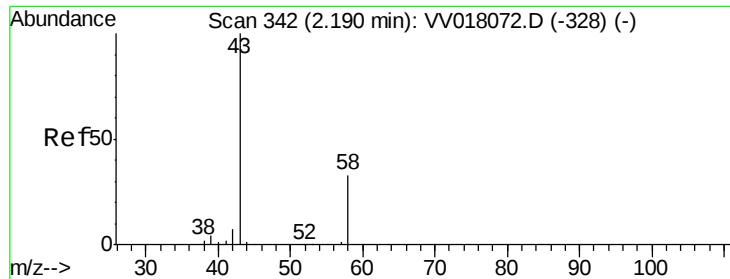


Abundance Ion 96.00 (95.70 to 96.70): VV018078.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018078.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018078.D (-231) (-)





#13

Acetone

Concen: 114.370 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

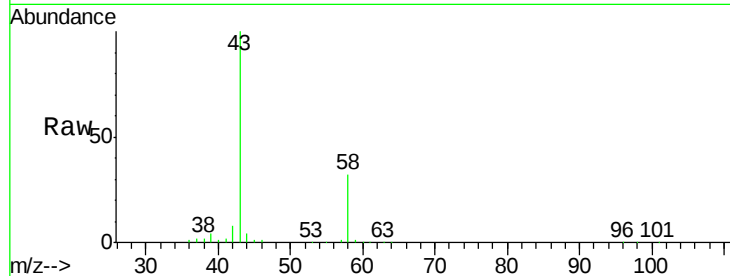
VSTD05061

Tgt Ion: 43 Resp: 165286

Ion Ratio Lower Upper

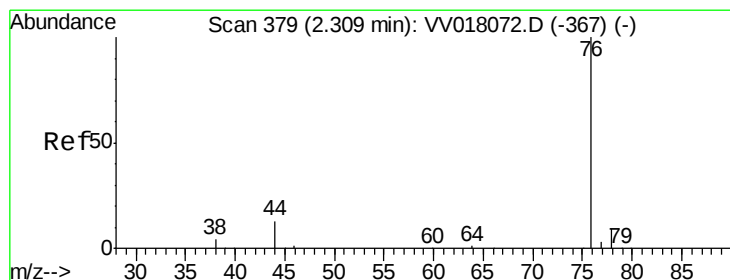
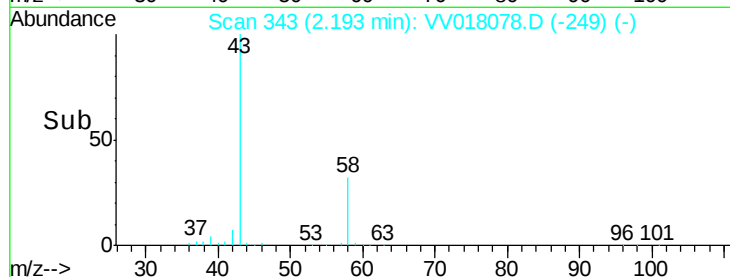
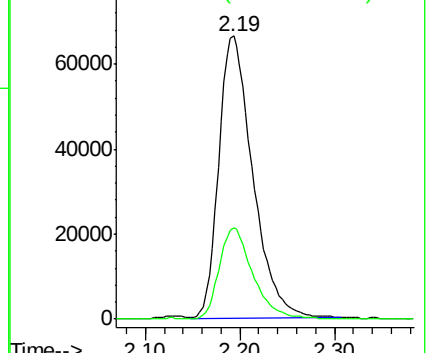
43 100

58 32.2 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 49.187 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018078.D

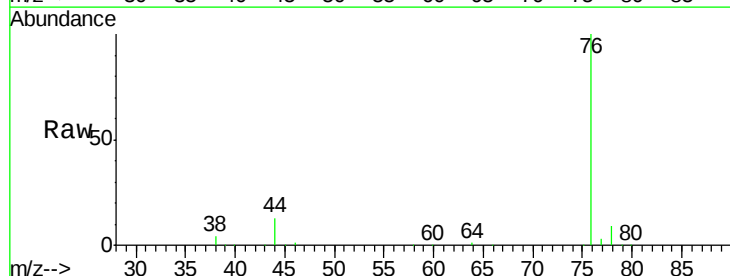
Acq: 24 Aug 2020 10:11

Tgt Ion: 76 Resp: 254261

Ion Ratio Lower Upper

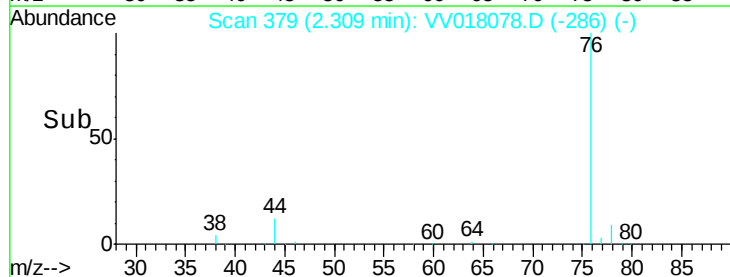
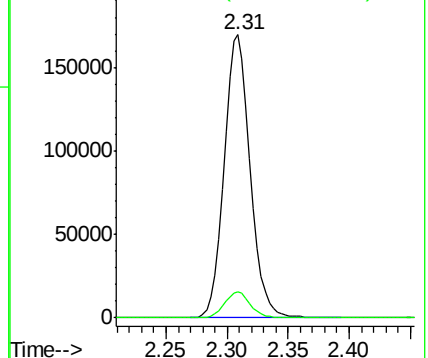
76 100

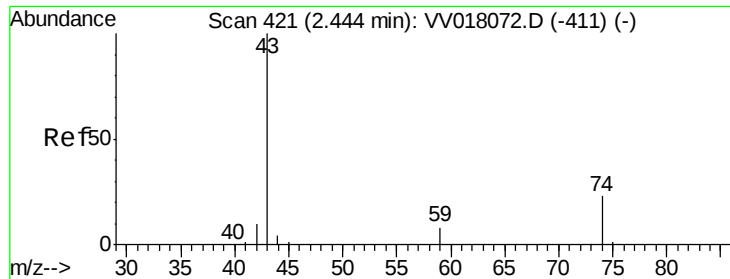
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

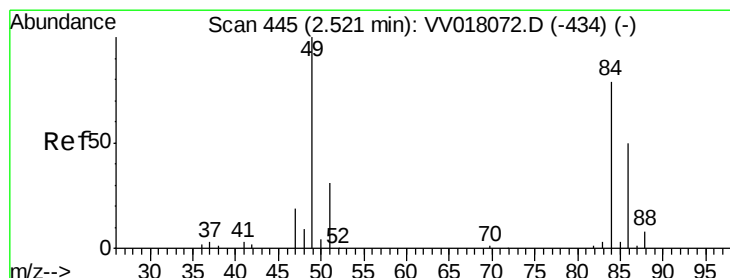
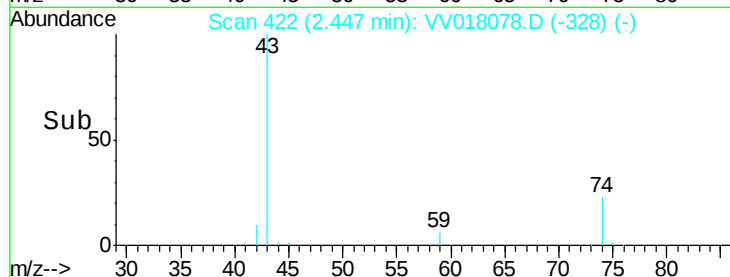
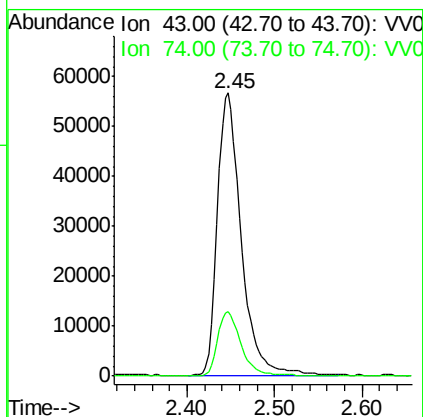
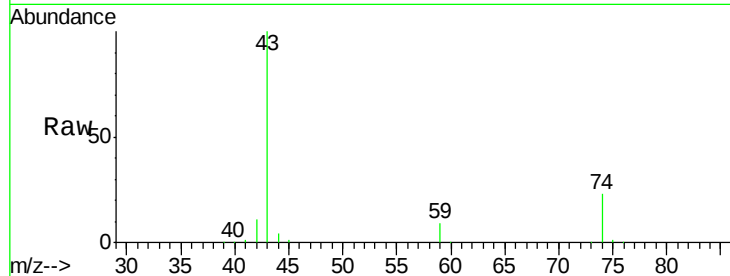




#15
Methyl Acetate
Concen: 45.870 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

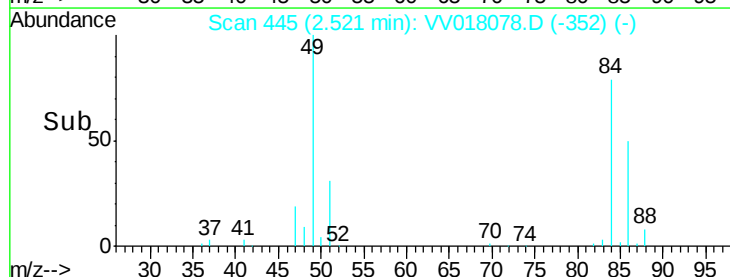
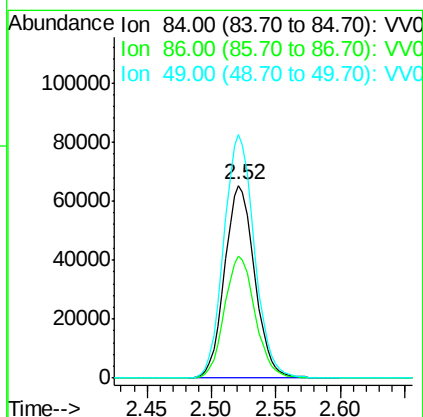
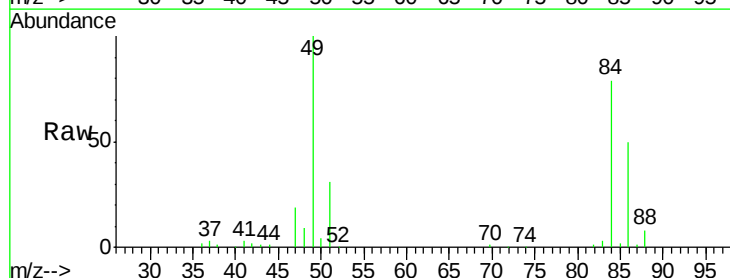
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

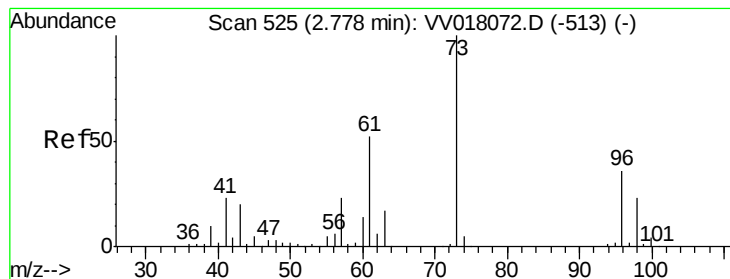
Tgt Ion: 43 Resp: 106979
Ion Ratio Lower Upper
43 100
74 22.3 18.4 27.6



#16
Methylene chloride
Concen: 44.241 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

Tgt Ion: 84 Resp: 105858
Ion Ratio Lower Upper
84 100
86 63.2 46.3 85.9
49 126.4 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 48.760 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

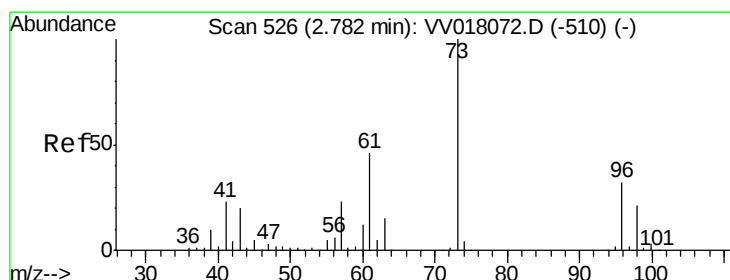
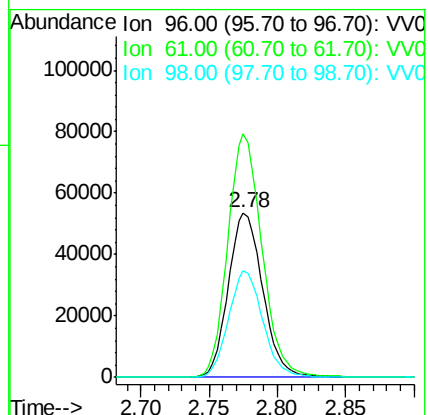
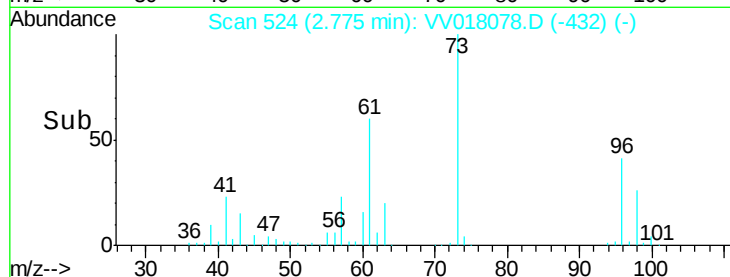
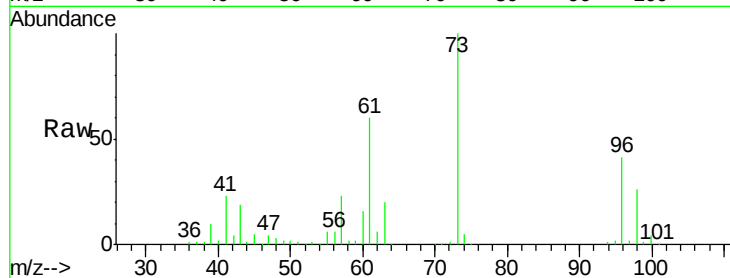
Tgt Ion: 96 Resp: 94138

Ion Ratio Lower Upper

96 100

61 147.7 102.4 190.2

98 64.4 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 48.956 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

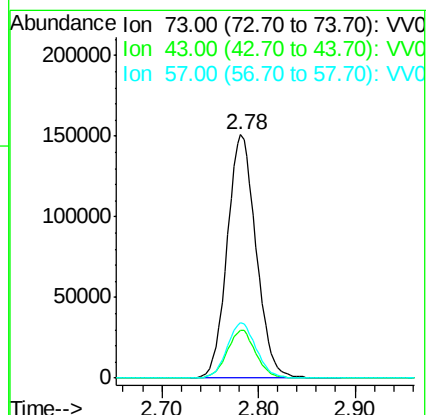
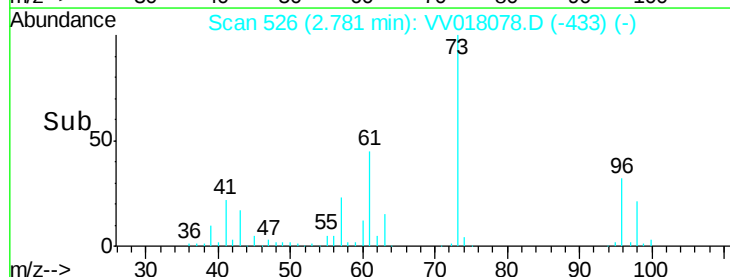
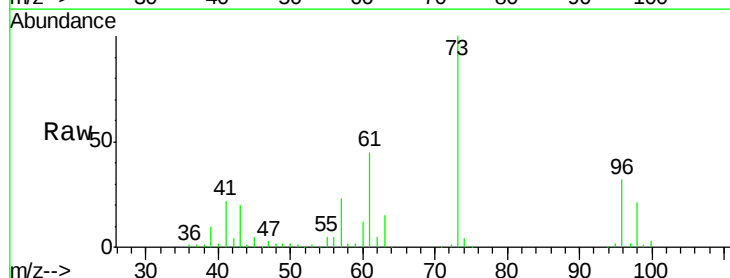
Tgt Ion: 73 Resp: 312580

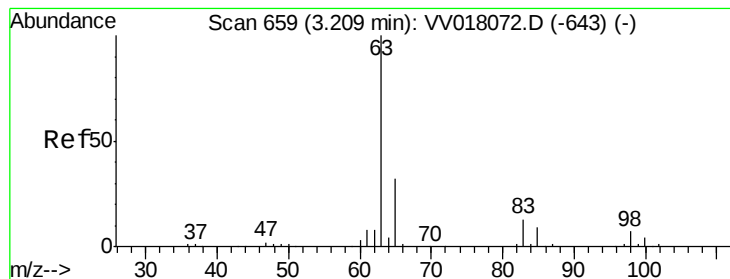
Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

57 22.7 18.1 27.1





#19

1,1-Dichloroethane

Concen: 49.313 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

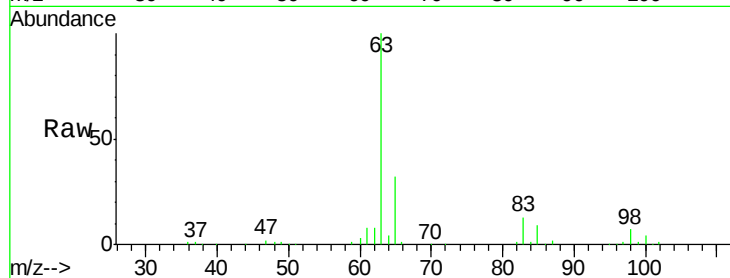
Tgt Ion: 63 Resp: 191433

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

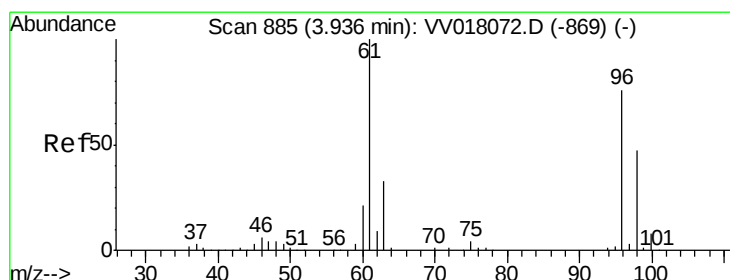
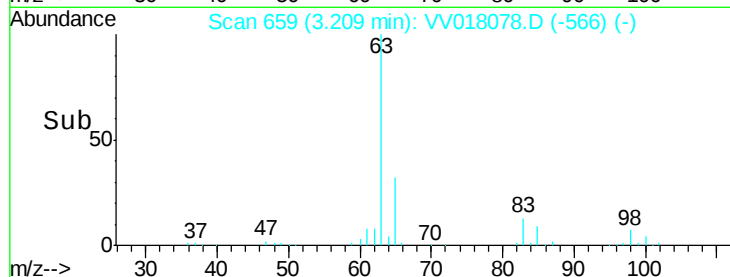
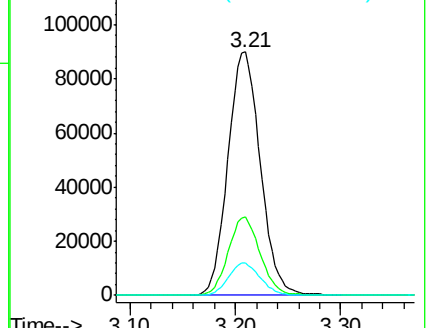
83 13.1 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018078.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV018078.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV018078.D (-643) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.451 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

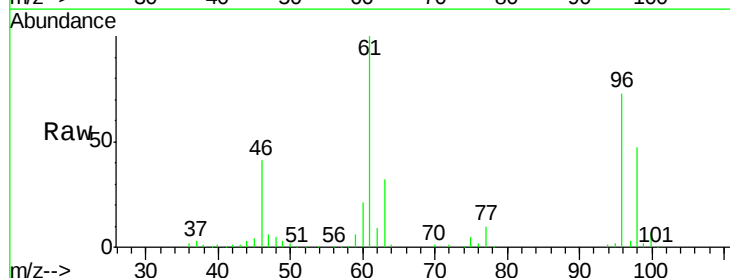
Tgt Ion: 96 Resp: 104914

Ion Ratio Lower Upper

96 100

61 136.3 95.0 176.4

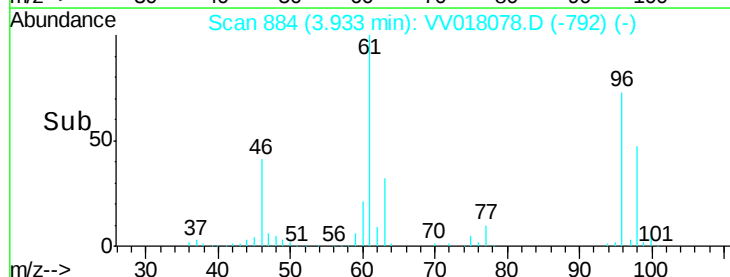
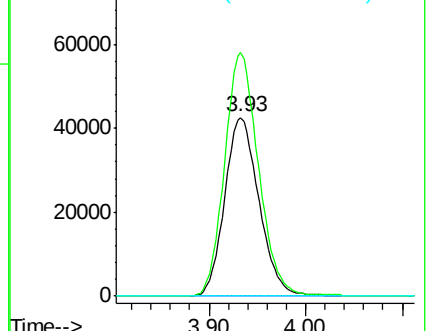
68 0.0 0.0 0.0

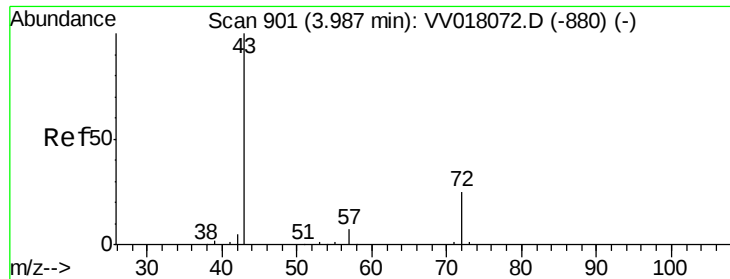


Abundance Ion 96.00 (95.70 to 96.70): VV018078.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV018078.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV018078.D (-869) (-)





#22

2-Butanone

Concen: 105.173 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

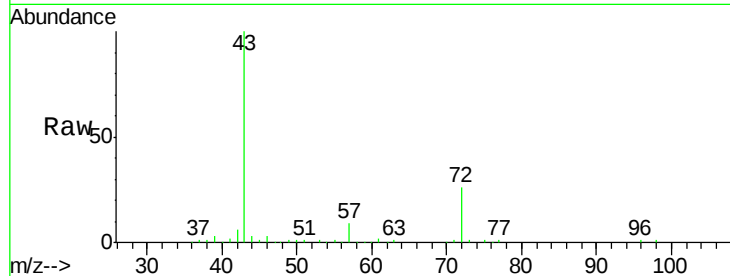
VSTD05061

Tgt Ion: 43 Resp: 170513

Ion Ratio Lower Upper

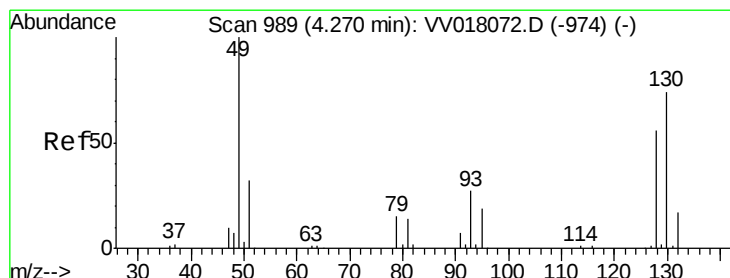
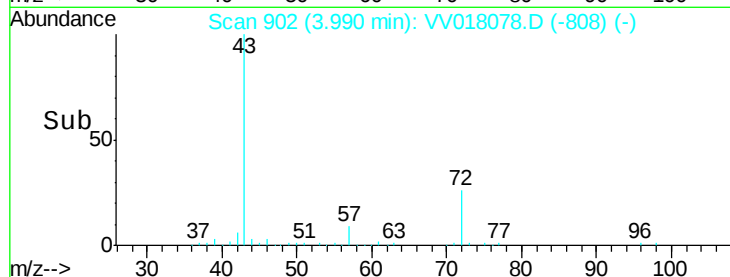
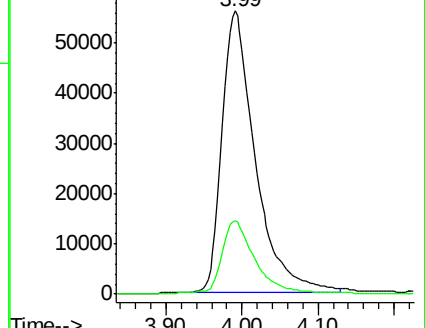
43 100

72 24.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018078.D (-880) (-)

Ion 72.00 (71.70 to 72.70): VV018078.D (-880) (-)



#23

Bromochloromethane

Concen: 50.397 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Tgt Ion: 128 Resp: 55856

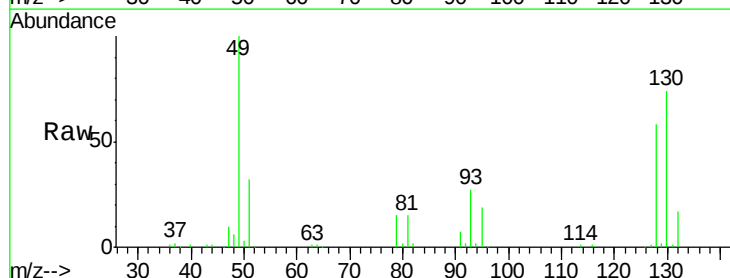
Ion Ratio Lower Upper

128 100

49 173.0 125.6 233.3

130 128.0 89.9 167.0

51 56.2 45.8 68.6

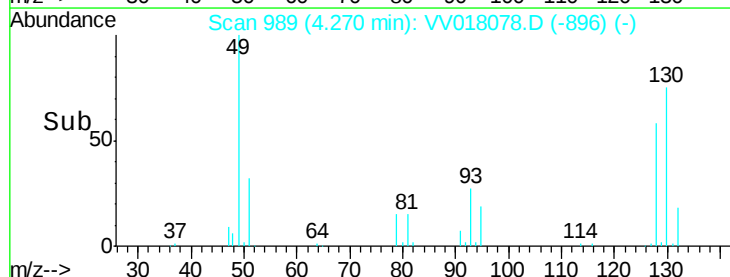
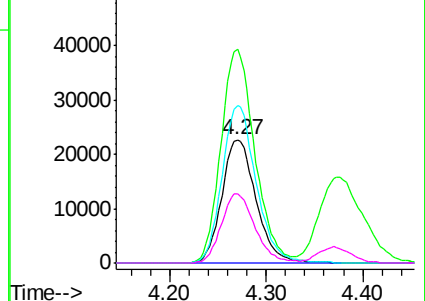


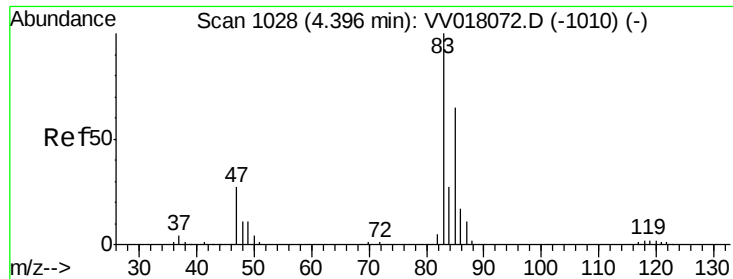
Abundance Ion 128.00 (127.70 to 128.70): VV018078.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018078.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018078.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018078.D (-896) (-)

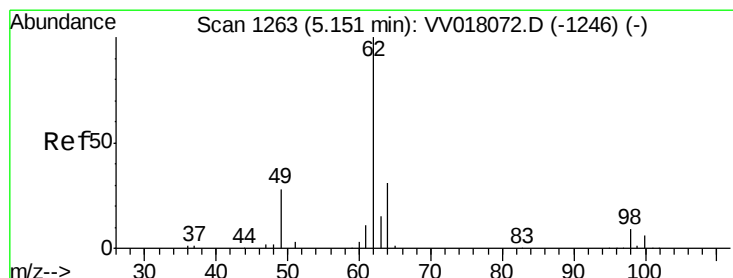
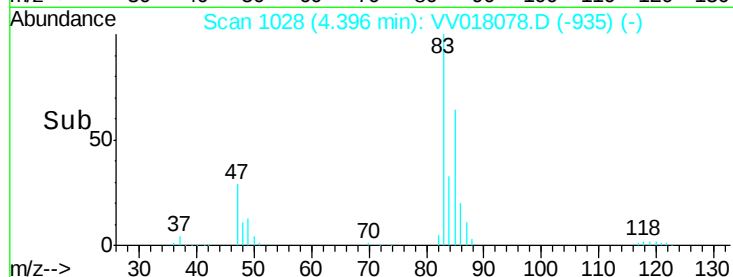
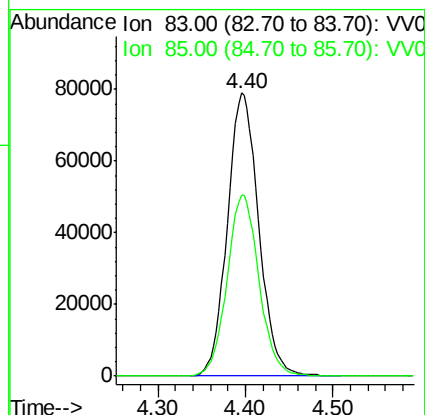
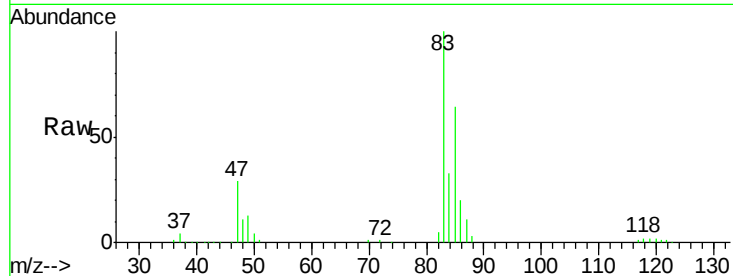




#25
Chloroform
Concen: 49.733 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

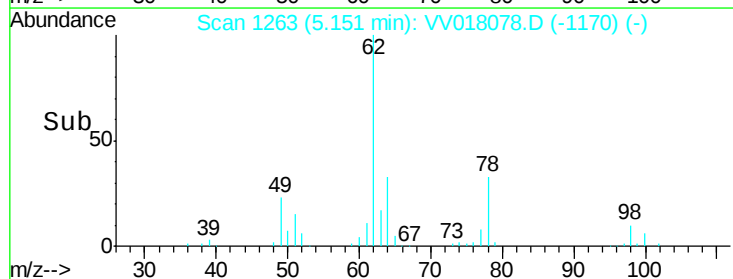
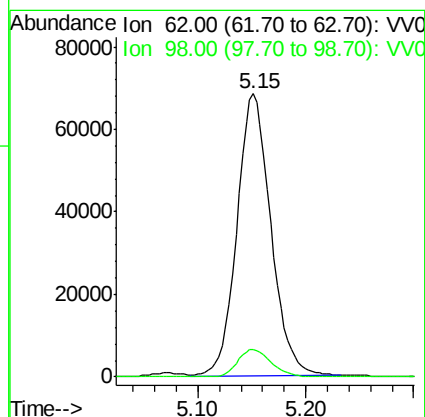
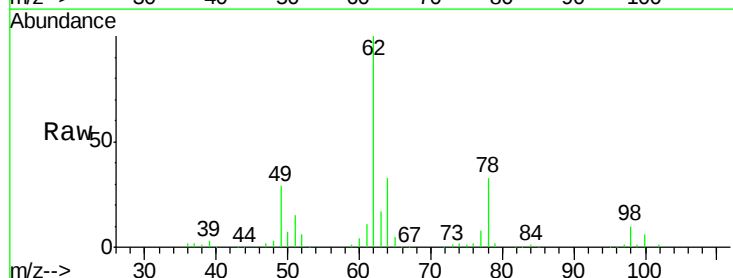
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

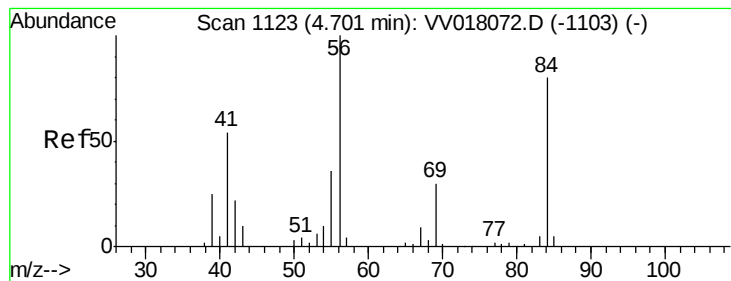
Tgt Ion: 83 Resp: 196918
Ion Ratio Lower Upper
83 100
85 64.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 47.468 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

Tgt Ion: 62 Resp: 149602
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 49.731 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

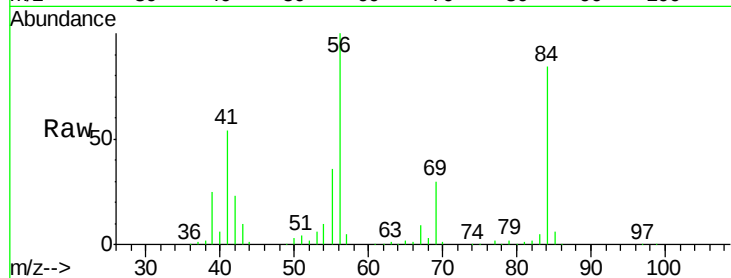
Tgt Ion: 56 Resp: 165250

Ion Ratio Lower Upper

56 100

69 30.2 23.8 35.8

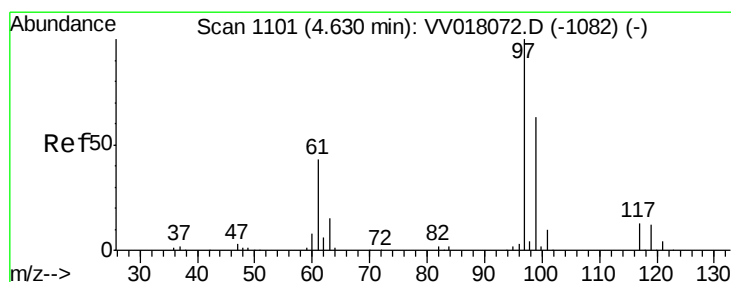
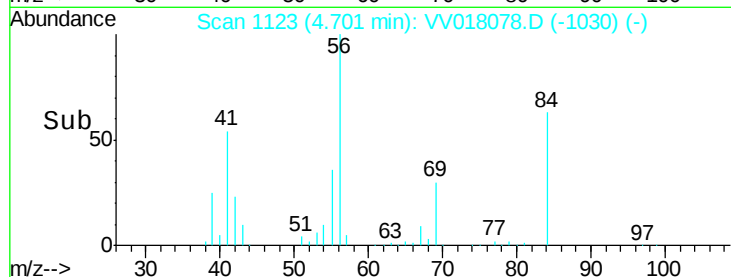
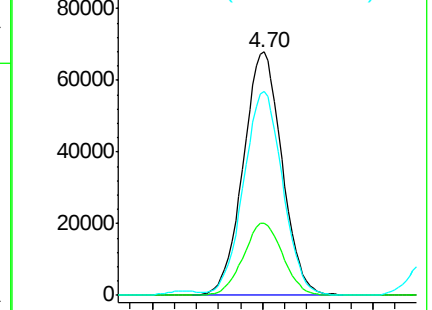
84 84.0 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018072.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV018072.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV018072.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 50.152 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

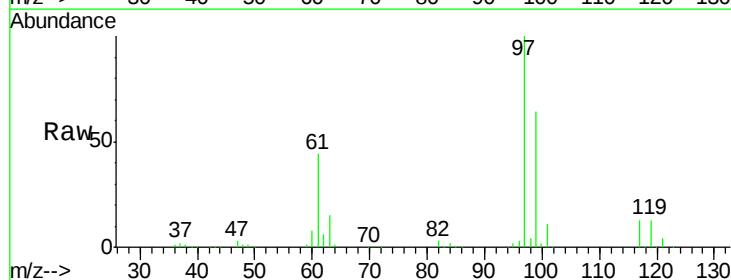
Tgt Ion: 97 Resp: 169204

Ion Ratio Lower Upper

97 100

99 64.4 50.6 76.0

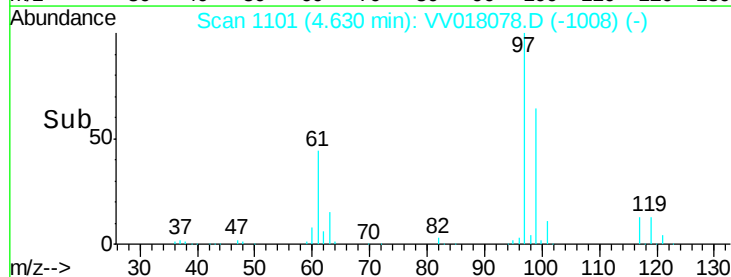
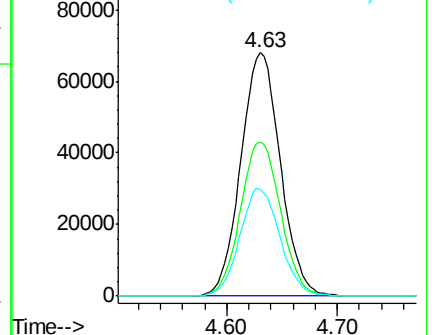
61 44.8 37.0 55.6

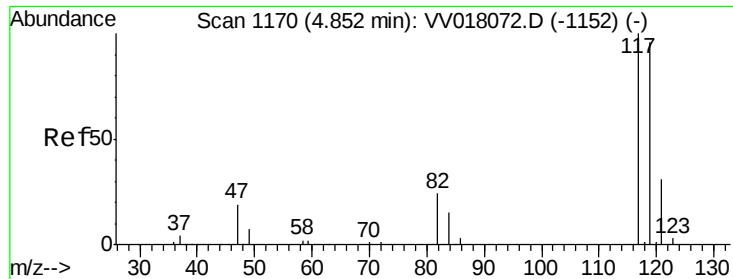


Abundance Ion 97.00 (96.70 to 97.70): VV018072.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018072.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018072.D (-1082) (-)





#31

Carbon tetrachloride

Concen: 52.741 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

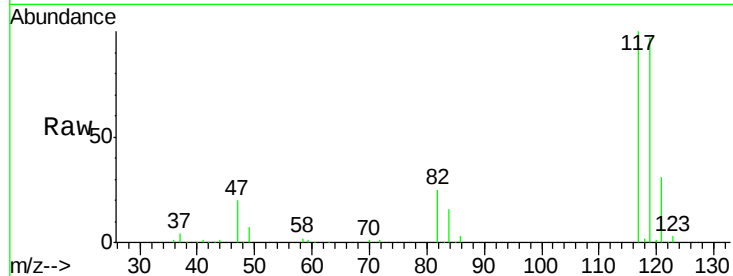
VSTD05061

Tgt Ion:117 Resp: 148130

Ion Ratio Lower Upper

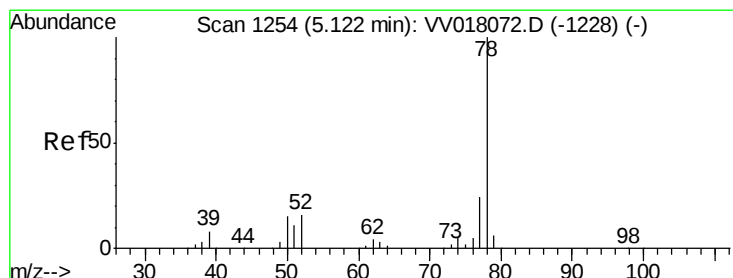
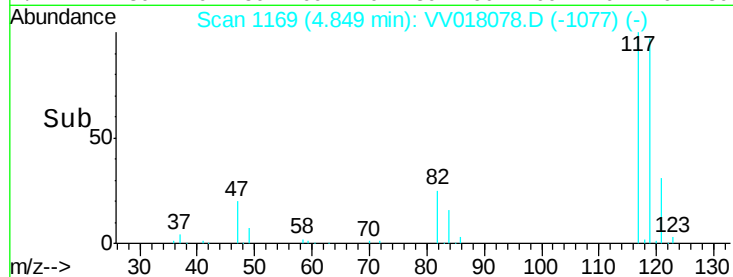
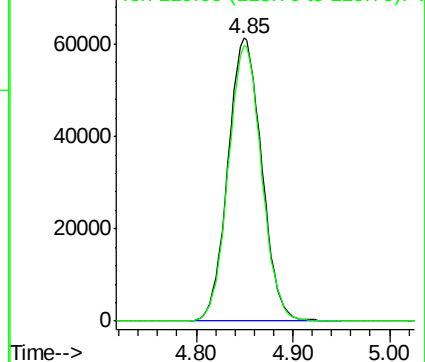
117 100

119 96.1 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.328 ug/L

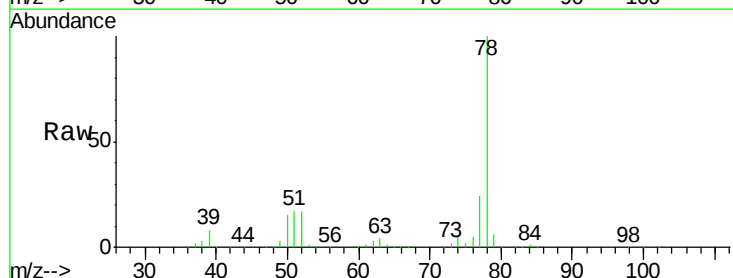
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

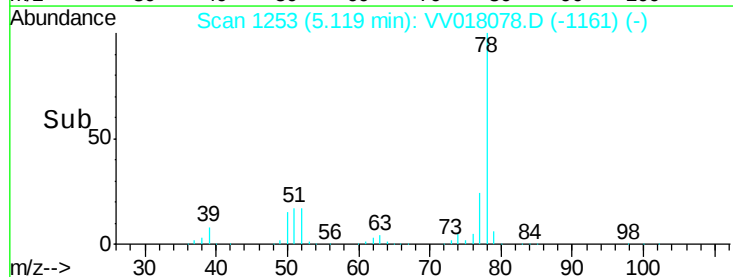
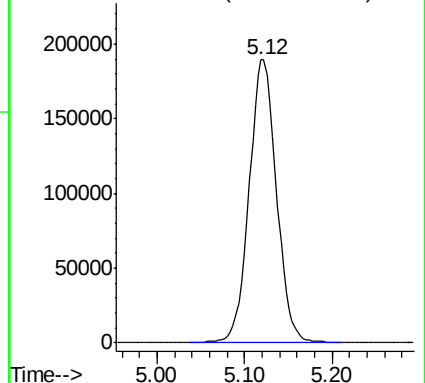
Lab File: VV018078.D

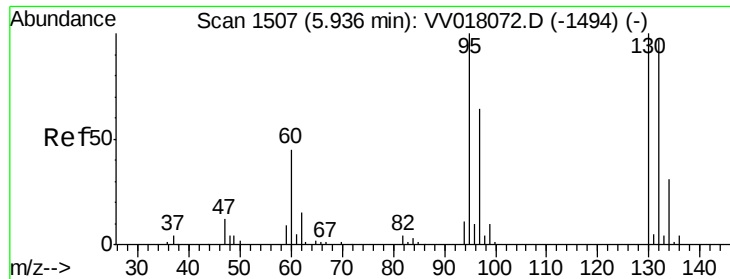
Acq: 24 Aug 2020 10:11

Tgt Ion: 78 Resp: 411653



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.323 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 95 Resp: 108800

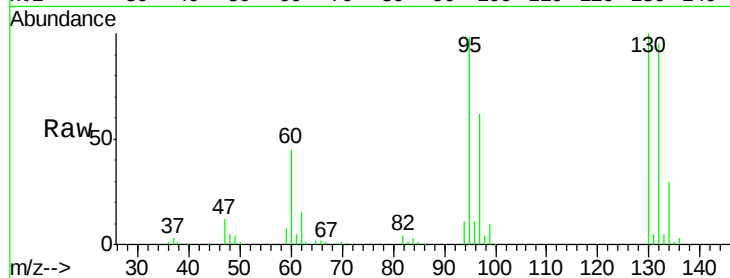
Ion Ratio Lower Upper

95 100

97 63.8 46.0 85.4

132 97.4 65.8 122.2

130 102.6 69.2 128.6

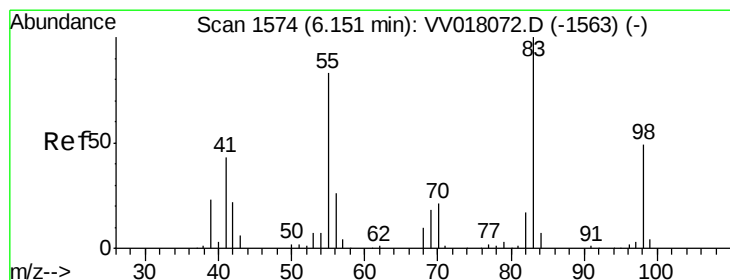
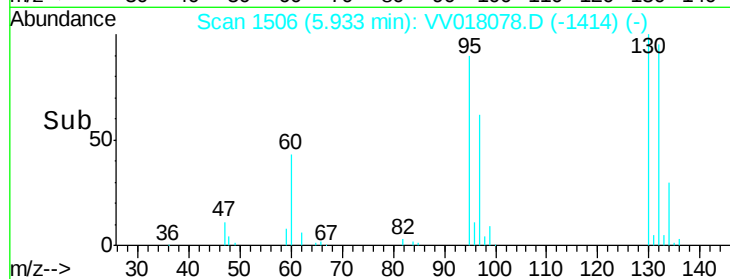
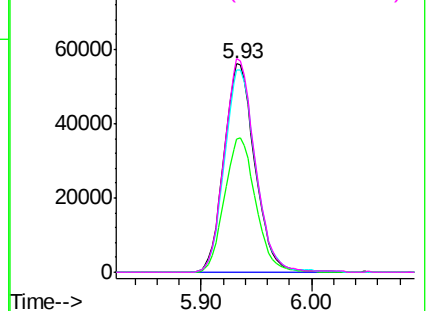


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.725 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

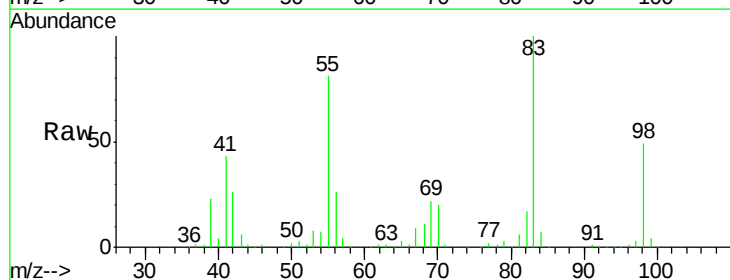
Tgt Ion: 83 Resp: 169825

Ion Ratio Lower Upper

83 100

55 80.4 64.9 97.3

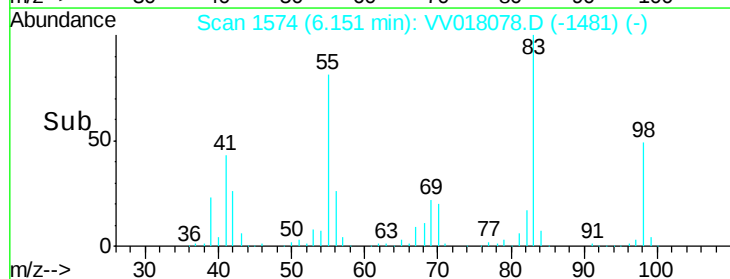
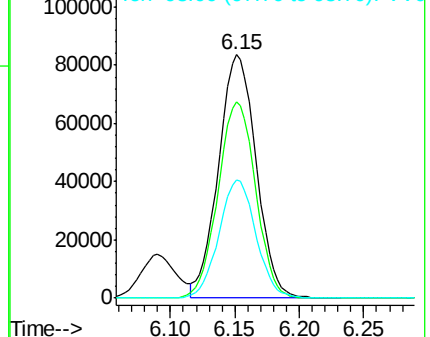
98 47.9 38.7 58.1

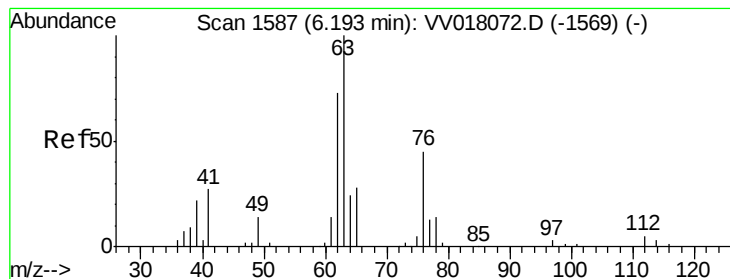


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.455 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

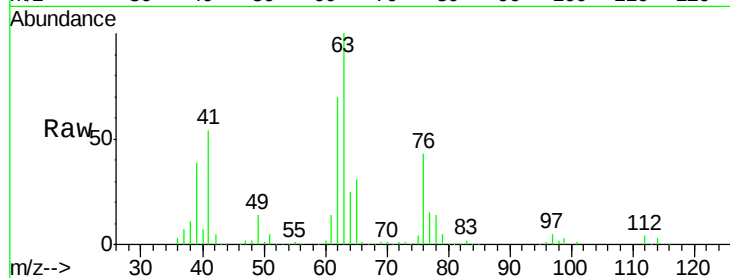
VSTD05061

Tgt Ion: 63 Resp: 112558

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



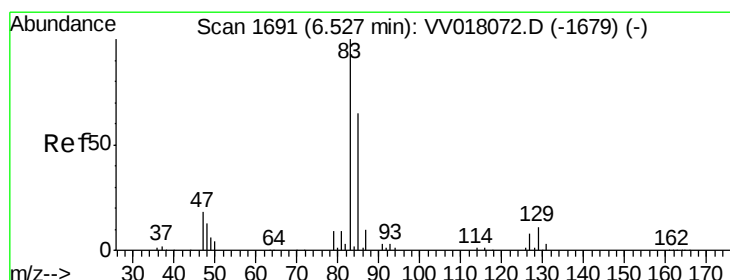
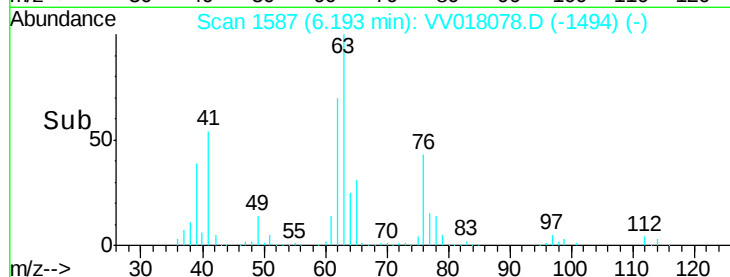
Abundance Ion 63.00 (62.70 to 63.70): VV018078.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018078.D (-1569) (-)

6.19

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.687 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

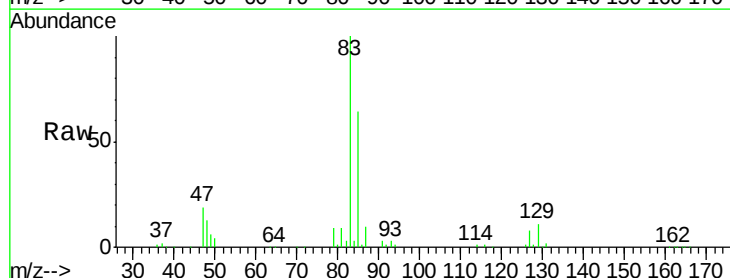
Tgt Ion: 83 Resp: 146249

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

127 8.3 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV018078.D (-1598) (-)

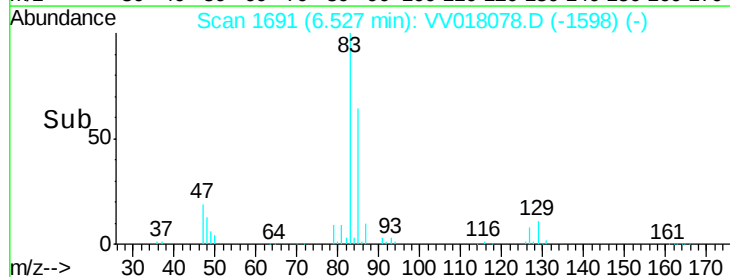
Ion 85.00 (84.70 to 85.70): VV018078.D (-1598) (-)

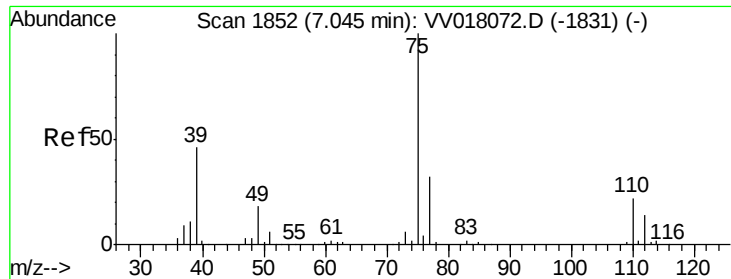
Ion 127.00 (126.70 to 127.70): VV018078.D (-1598) (-)

6.53

6.45 6.50 6.55 6.60 6.65

Time-->

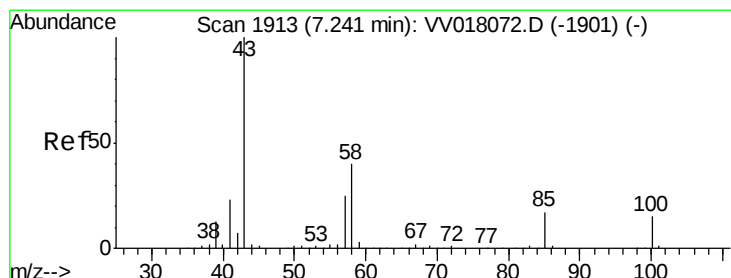
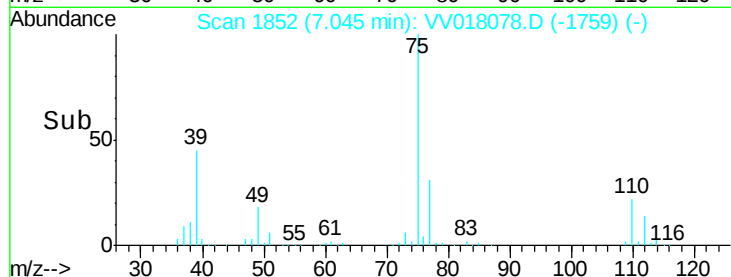
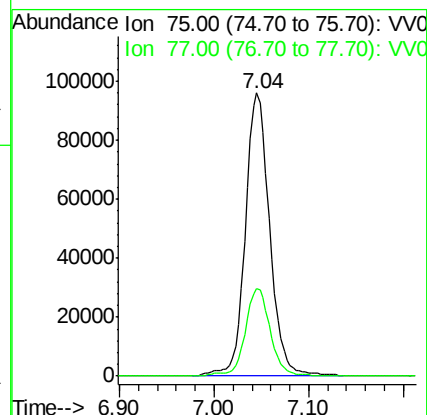
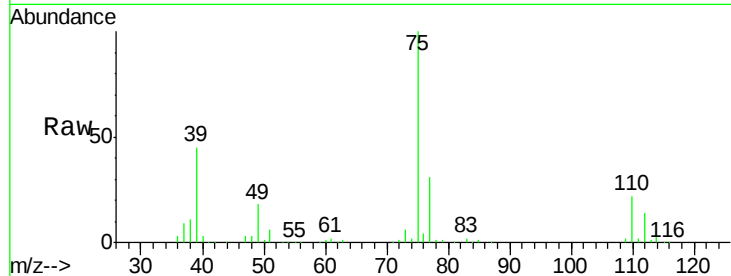




#39
 cis-1,3-Dichloropropene
 Concen: 52.219 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

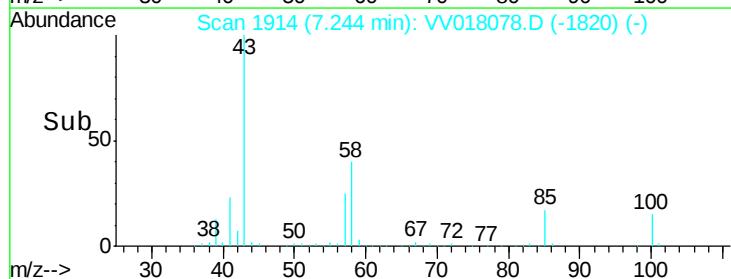
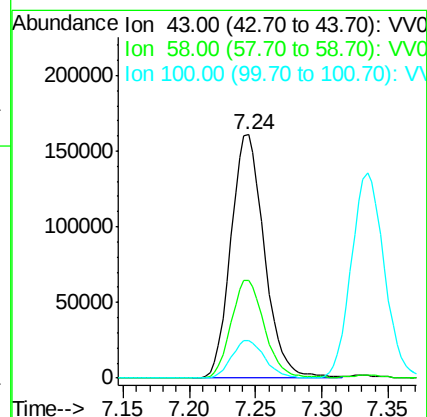
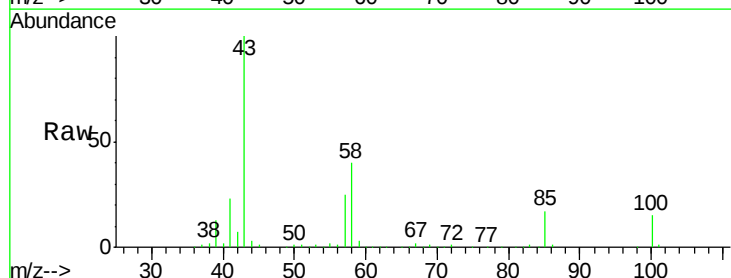
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05061

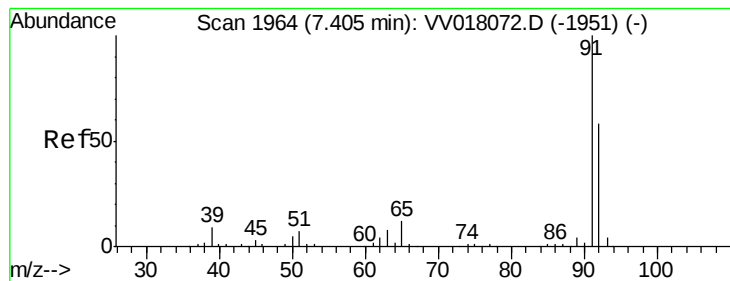
Tgt Ion: 75 Resp: 171959
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 93.180 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion: 43 Resp: 282954
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.9 47.9
 100 15.4 12.2 18.2





#42

Toluene

Concen: 49.539 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

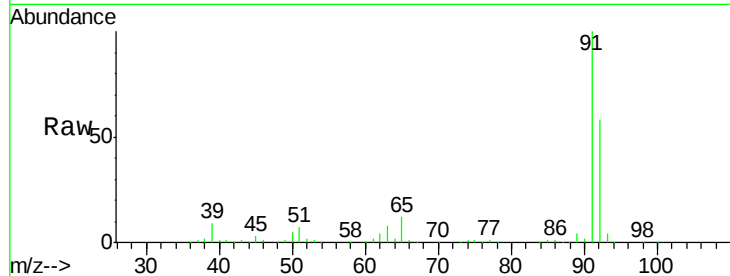
VSTD05061

Tgt Ion: 91 Resp: 440310

Ion Ratio Lower Upper

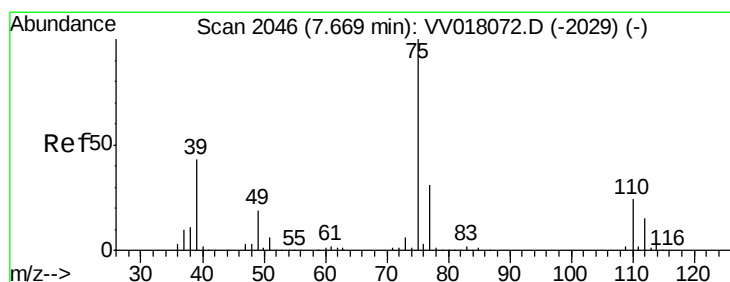
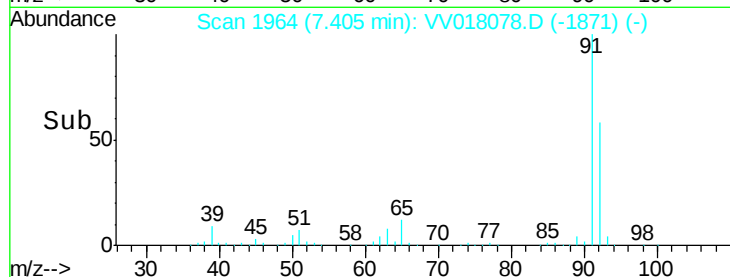
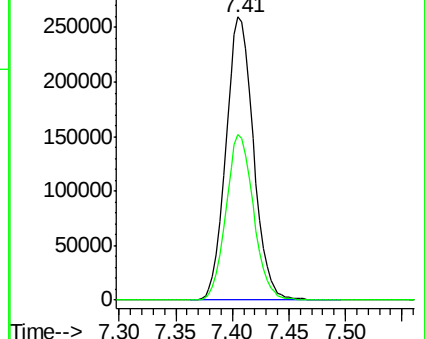
91 100

92 58.3 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 53.864 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018078.D

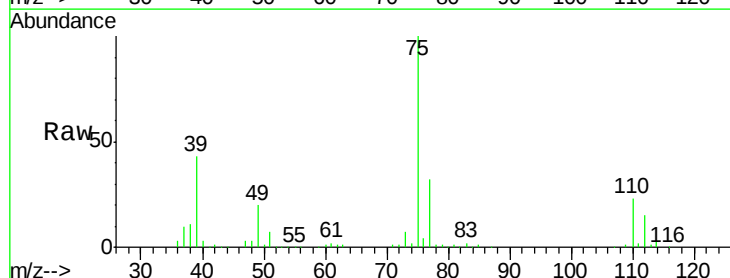
Acq: 24 Aug 2020 10:11

Tgt Ion: 75 Resp: 168294

Ion Ratio Lower Upper

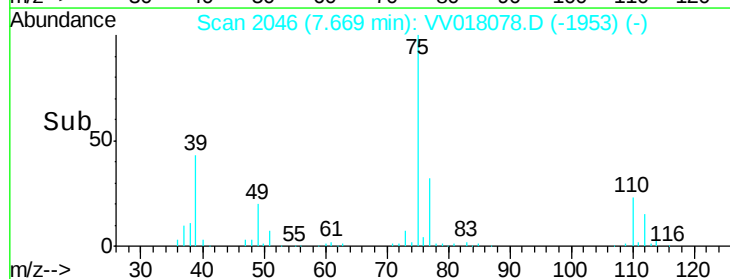
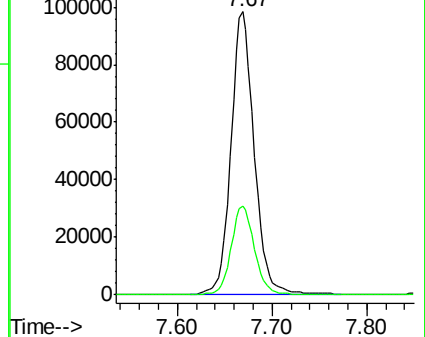
75 100

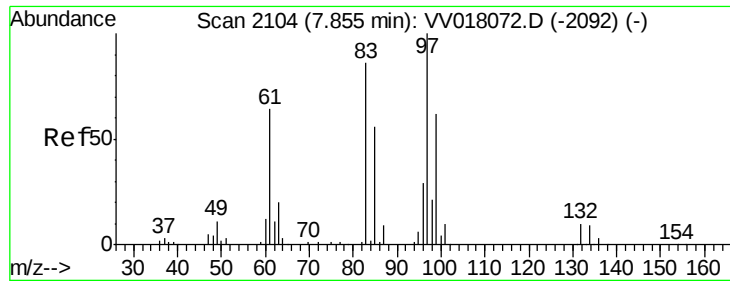
77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

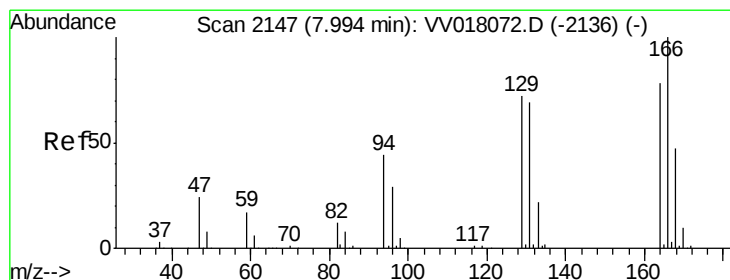
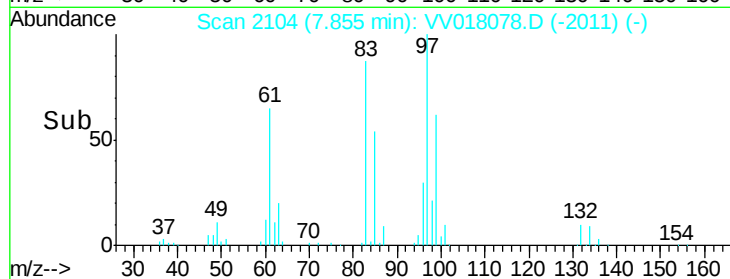
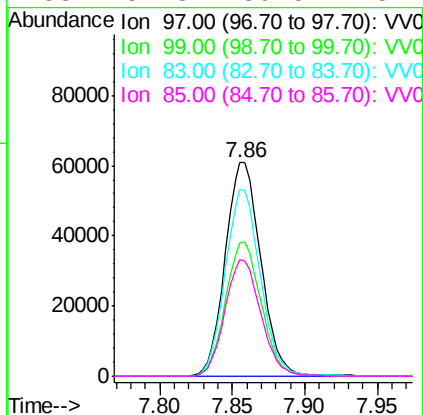
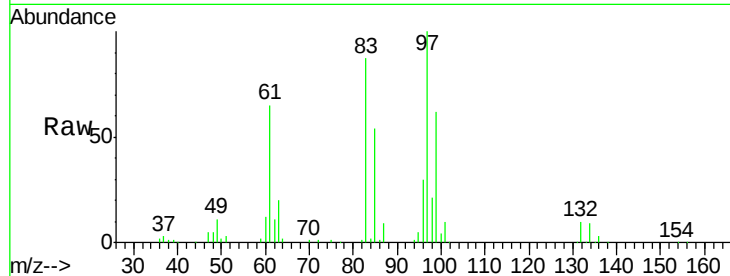




#45
 1,1,2-Trichloroethane
 Concen: 48.130 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

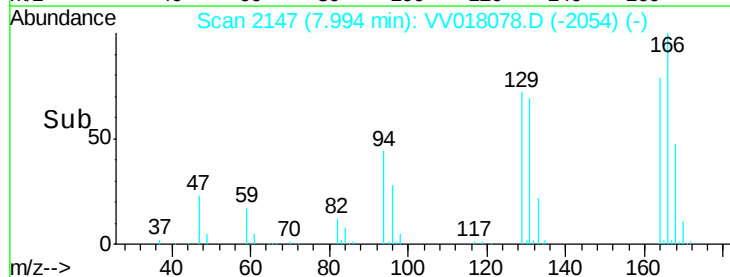
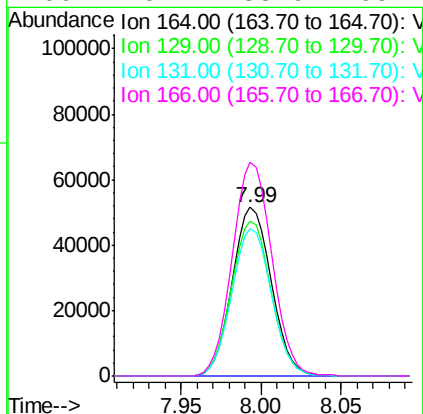
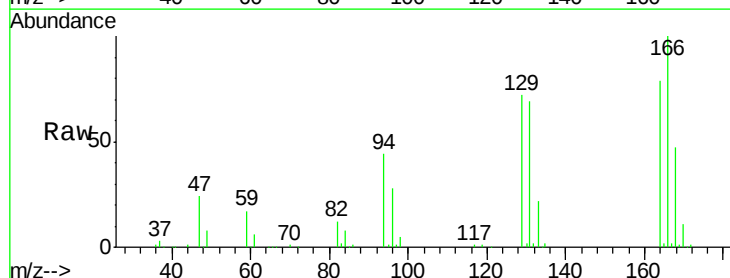
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

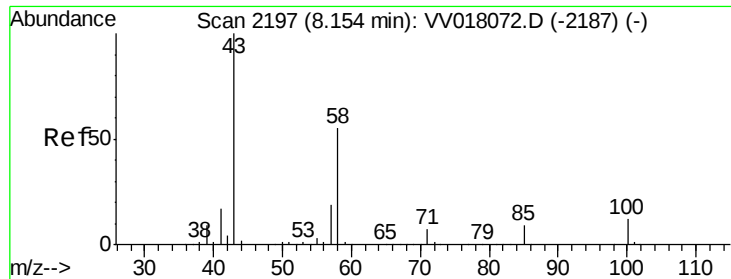
Tgt Ion:	97	Resp:	103538
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.2	82.2
83	87.4	61.0	113.4
85	54.3	39.5	73.4



#46
 Tetrachloroethene
 Concen: 52.161 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion:	164	Resp:	86131
Ion	Ratio	Lower	Upper
164	100		
129	91.8	64.8	120.3
131	87.2	64.5	119.9
166	126.7	88.9	165.1

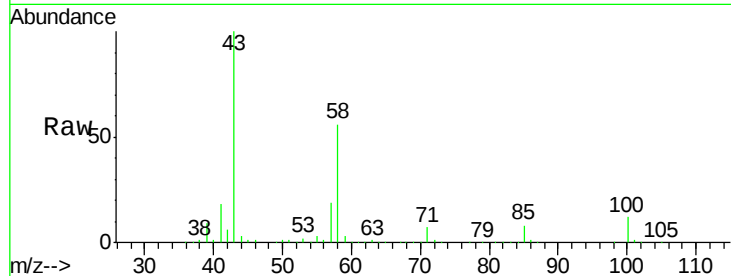




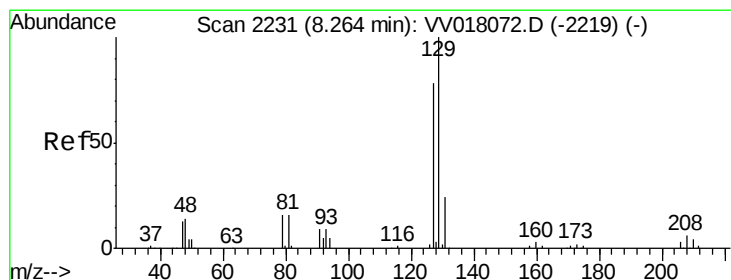
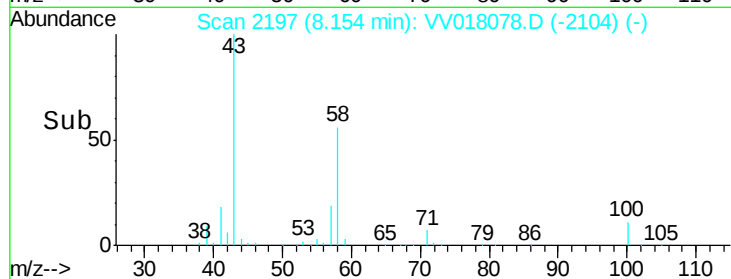
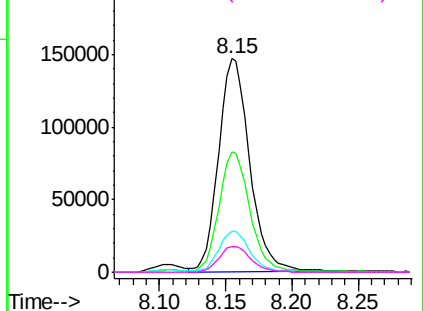
#48
2-Hexanone
Concen: 97.631 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion: 43 Resp: 239069
Ion Ratio Lower Upper
43 100
58 55.7 44.4 66.6
57 19.4 15.2 22.8
100 12.6 9.8 14.6

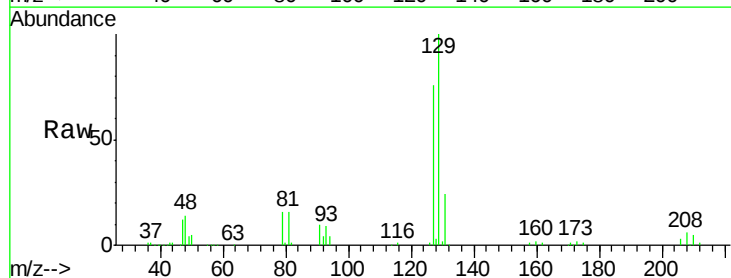


Abundance Ion 43.00 (42.70 to 43.70): VV018078.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018078.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018078.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018078.D (-2197) (-)

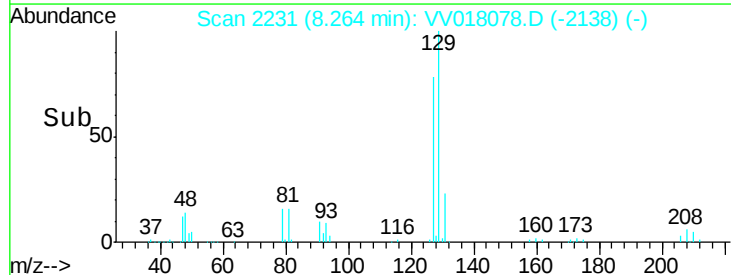
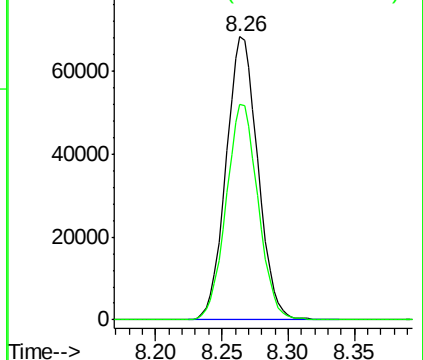


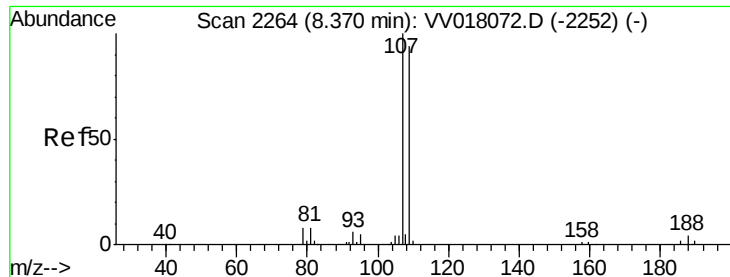
#49
Dibromochloromethane
Concen: 54.339 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

Tgt Ion: 129 Resp: 114098
Ion Ratio Lower Upper
129 100
127 76.3 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018078.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018078.D (-2231) (-)

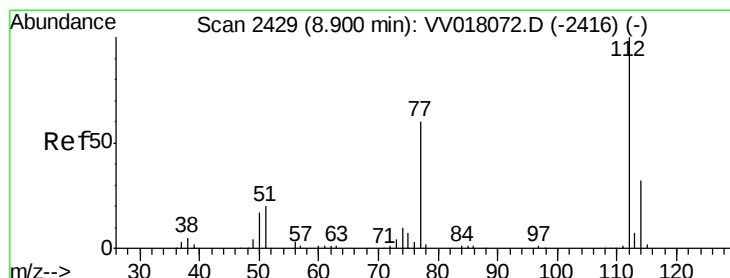
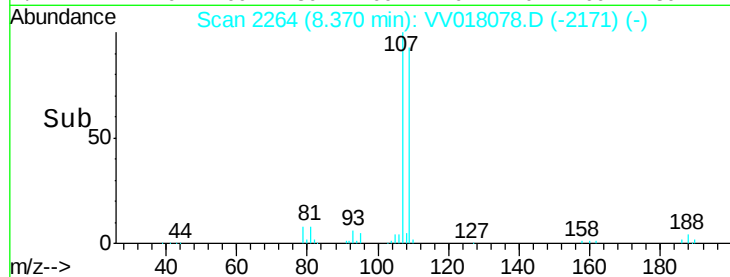
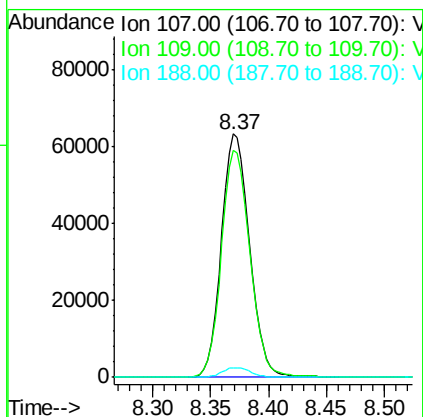
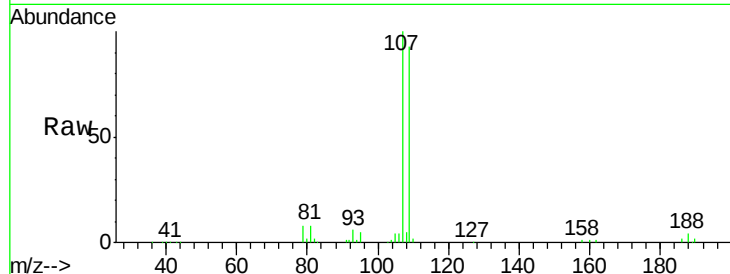




#50
 1,2-Dibromoethane
 Concen: 48.121 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

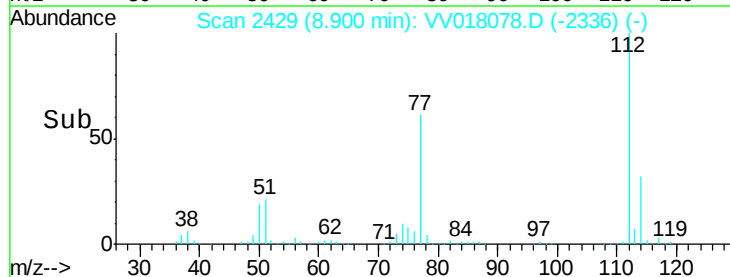
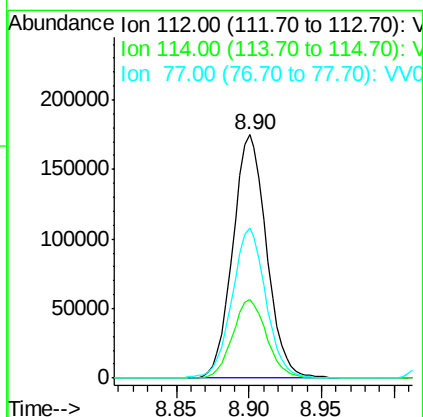
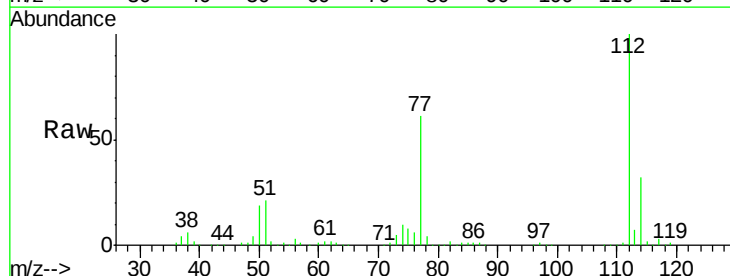
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

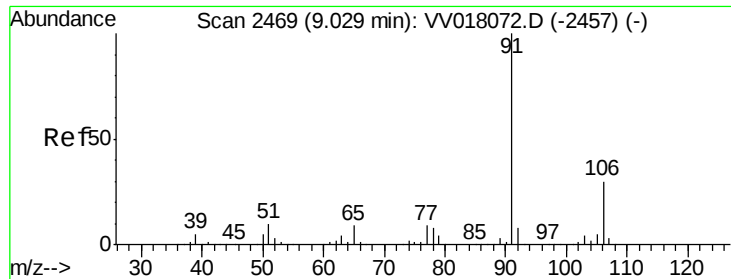
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.5	125.4
188	4.1	3.4	5.0



#51
 Chlorobenzene
 Concen: 49.501 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	61.5	49.4	74.2

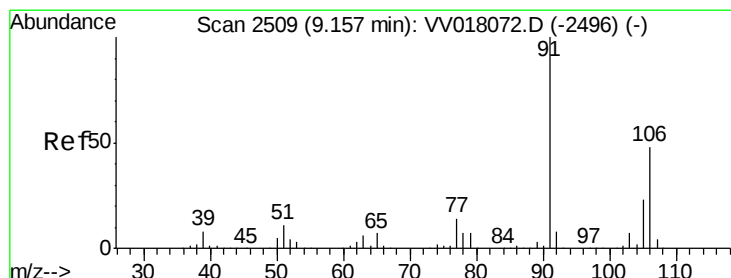
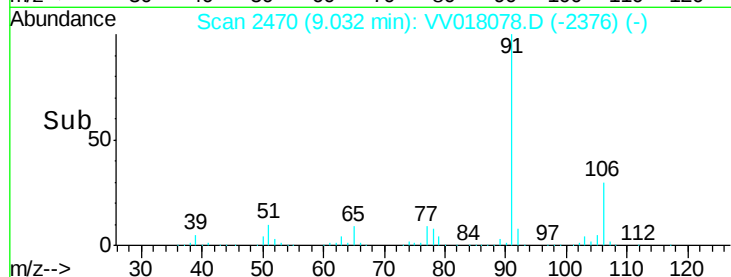
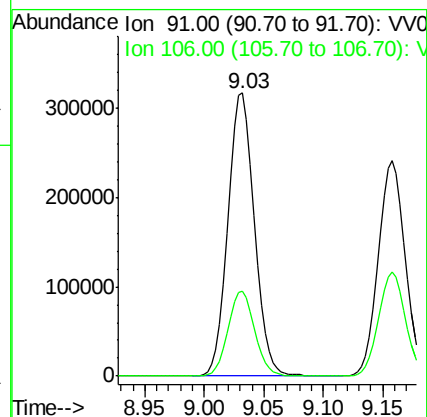
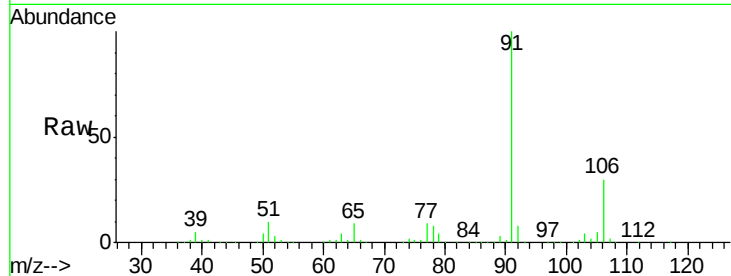




#52
Ethylbenzene
Concen: 50.537 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

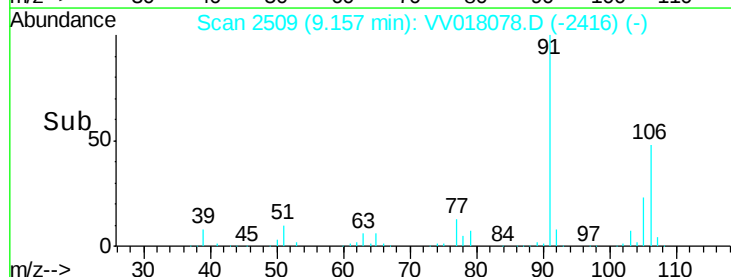
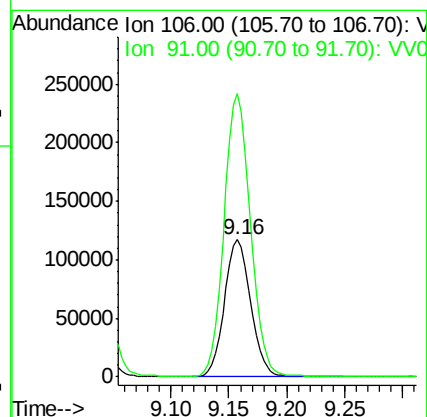
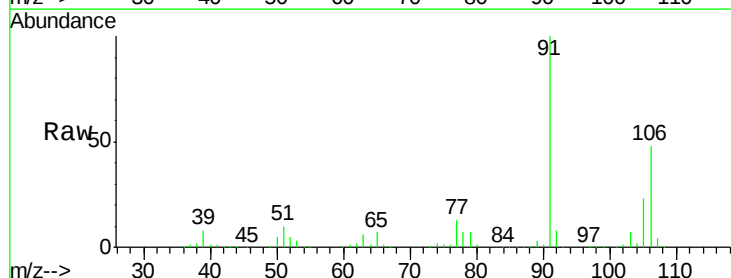
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

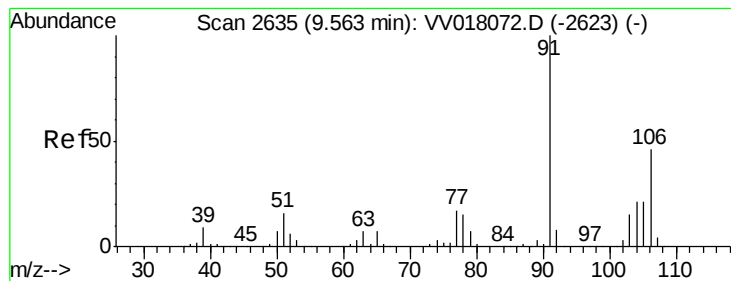
Tgt Ion: 91 Resp: 489767
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 51.279 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018078.D
Acq: 24 Aug 2020 10:11

Tgt Ion: 106 Resp: 182780
Ion Ratio Lower Upper
106 100
91 206.8 147.3 273.6





#54

o-xylene

Concen: 50.542 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

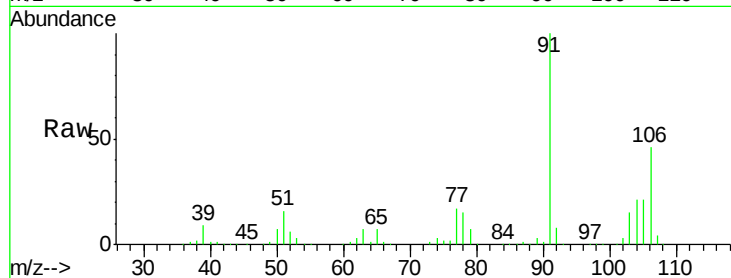
VSTD05061

Tgt Ion:106 Resp: 178033

Ion Ratio Lower Upper

106 100

91 219.7 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

300000

250000

200000

150000

100000

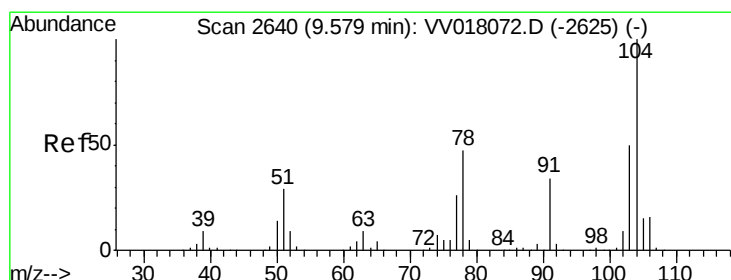
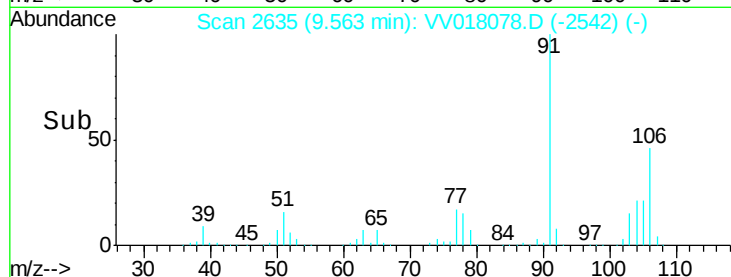
50000

0

9.56

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 52.518 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018078.D

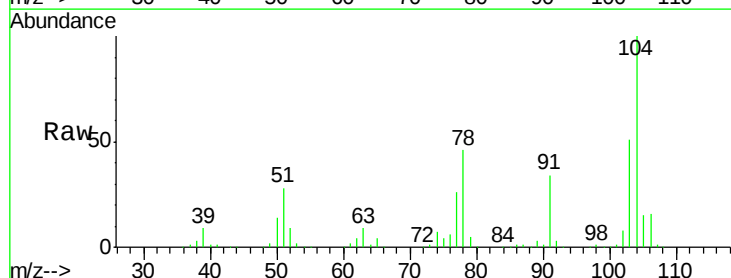
Acq: 24 Aug 2020 10:11

Tgt Ion:104 Resp: 316798

Ion Ratio Lower Upper

104 100

78 45.7 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

200000

150000

100000

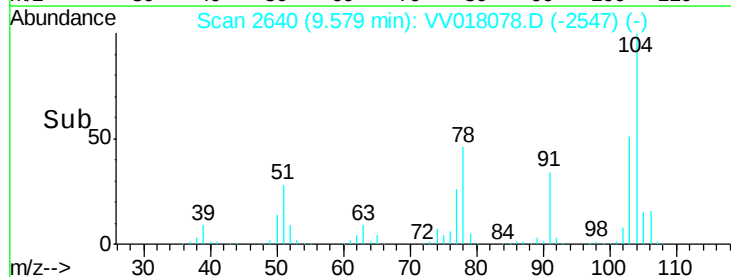
50000

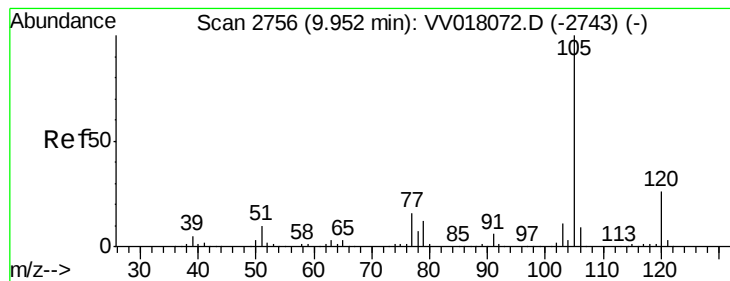
0

9.58

9.50 9.55 9.60 9.70

Time-->





#56

Isopropylbenzene

Concen: 52.106 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

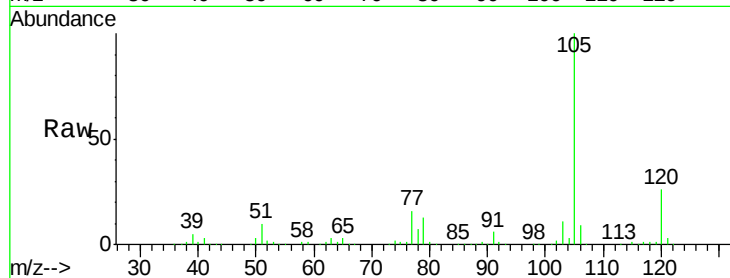
Tgt Ion: 105 Resp: 484197

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

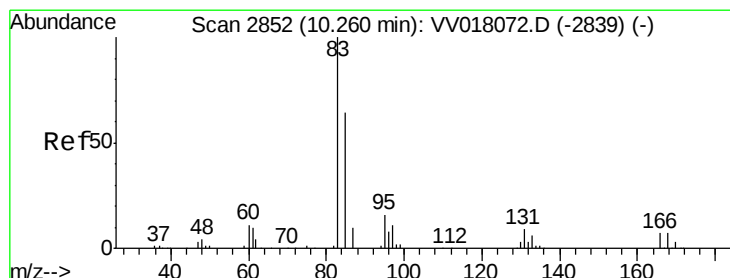
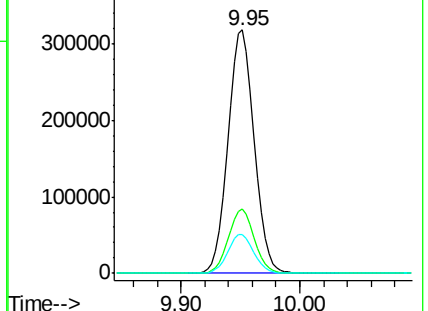
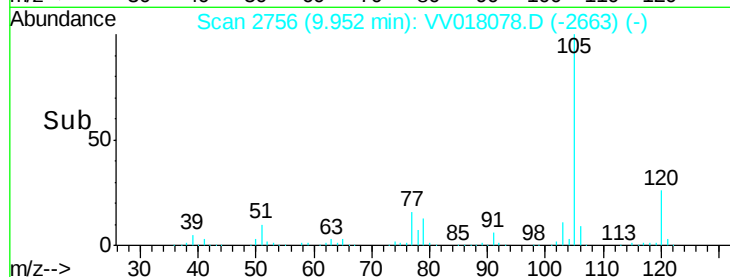
77 15.9 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.295 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

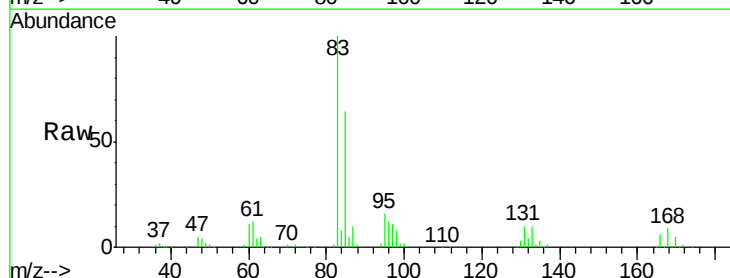
Tgt Ion: 83 Resp: 155080

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

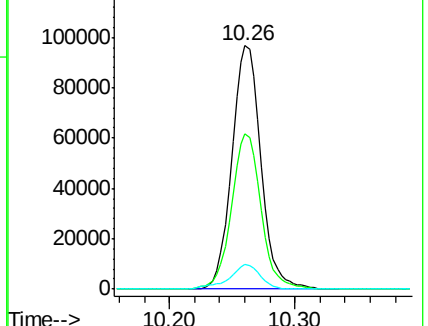
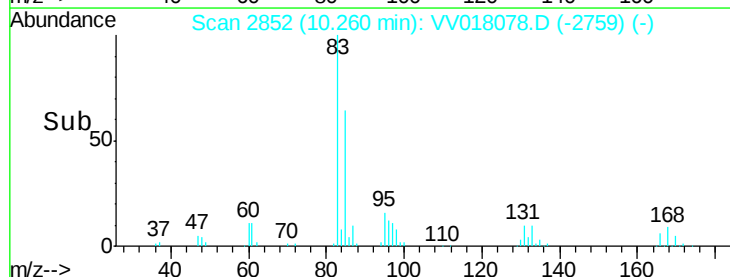
131 10.0 7.8 11.6

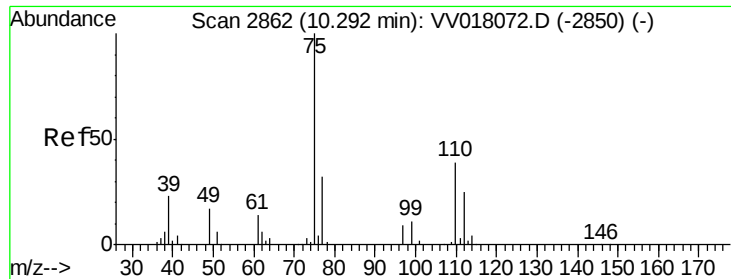


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

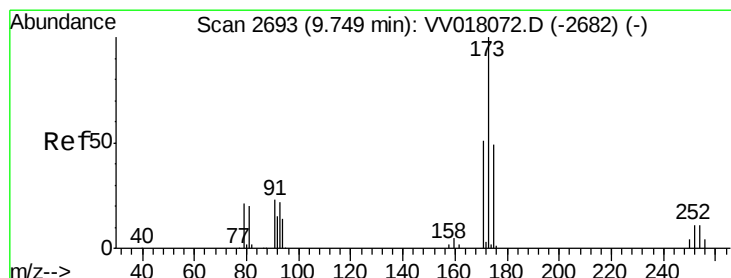
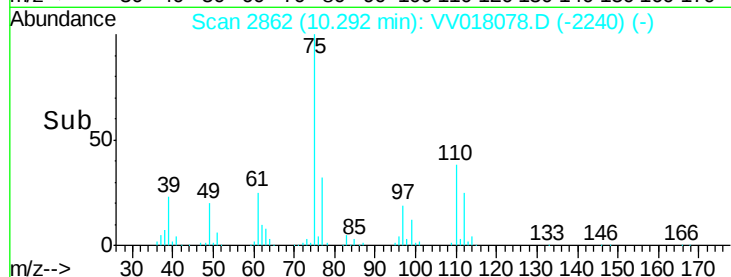
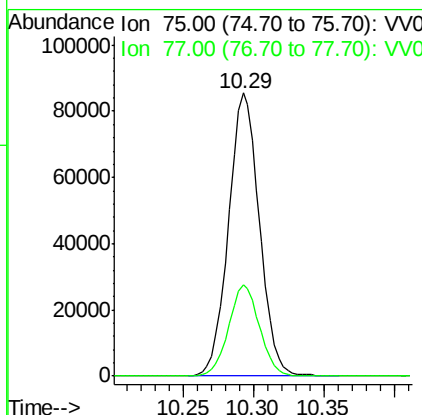
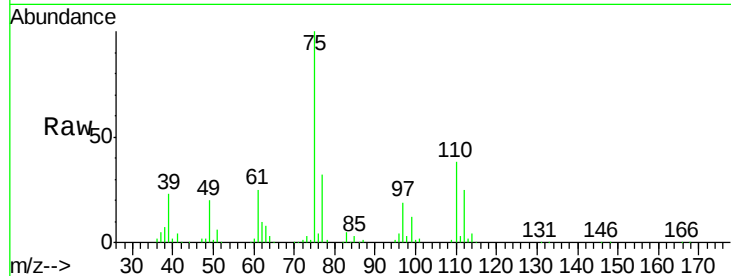




#59
 1,2,3-Trichloropropane
 Concen: 45.666 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

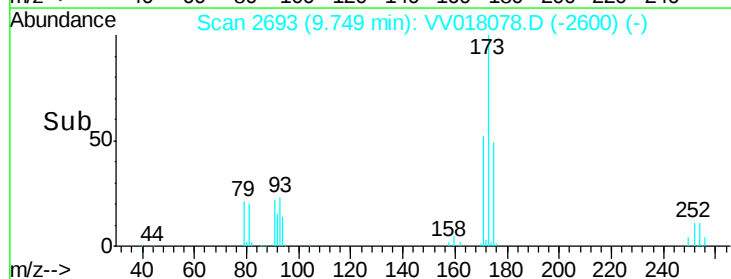
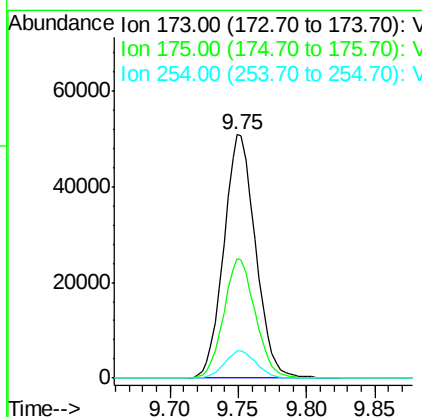
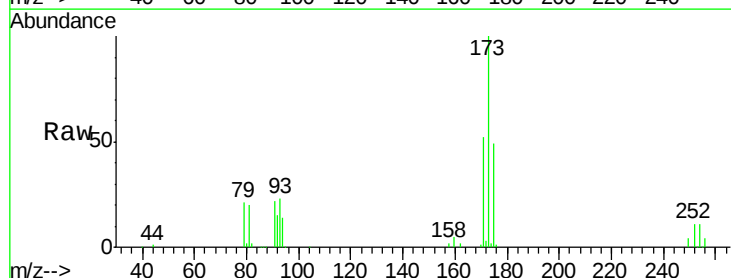
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

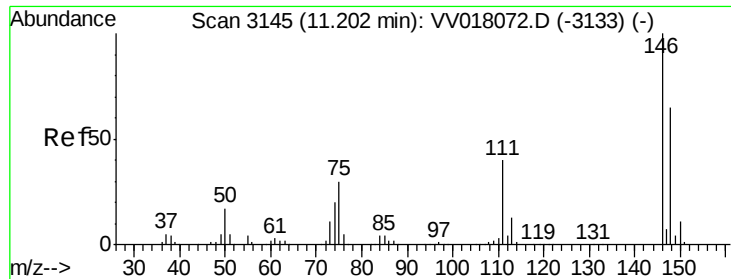
Tgt Ion: 75 Resp: 131006
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#61
 Bromoform
 Concen: 57.465 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion: 173 Resp: 82368
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.6 57.8
 254 11.2 8.4 12.6

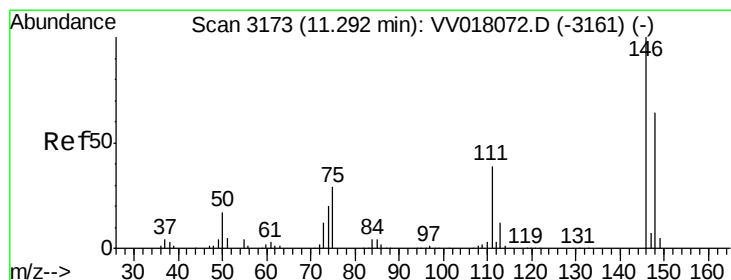
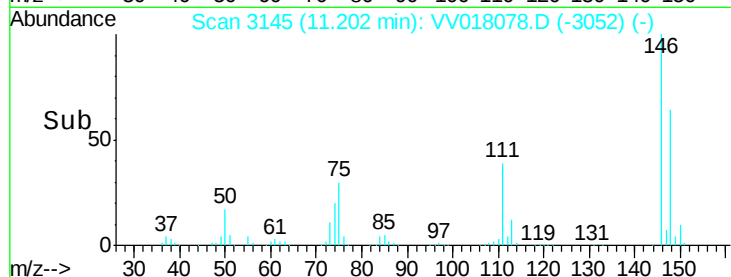
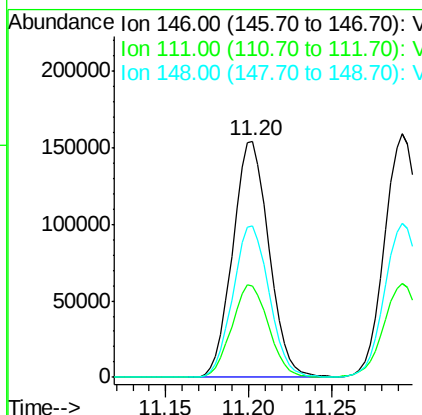
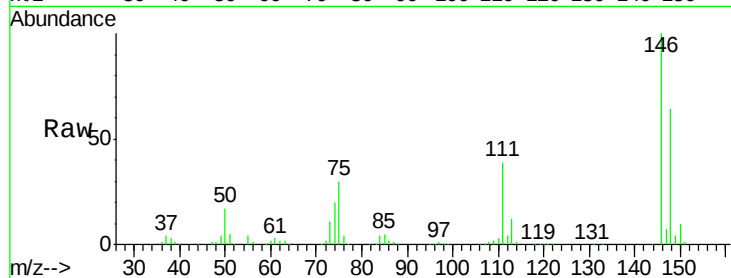




#62
 1,3-Dichlorobenzene
 Concen: 48.879 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

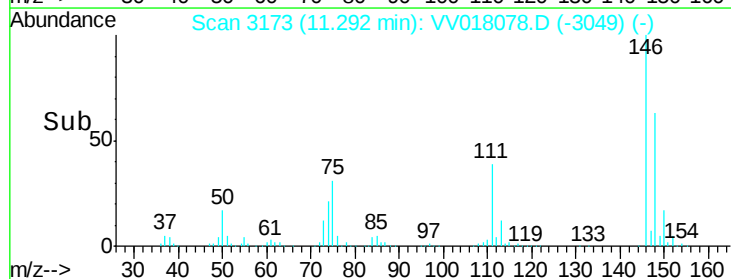
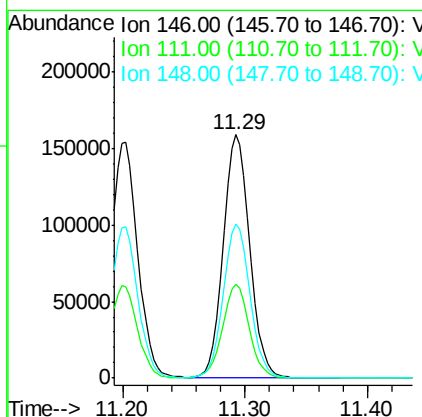
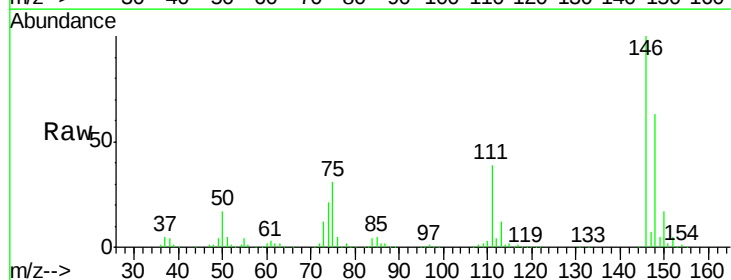
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

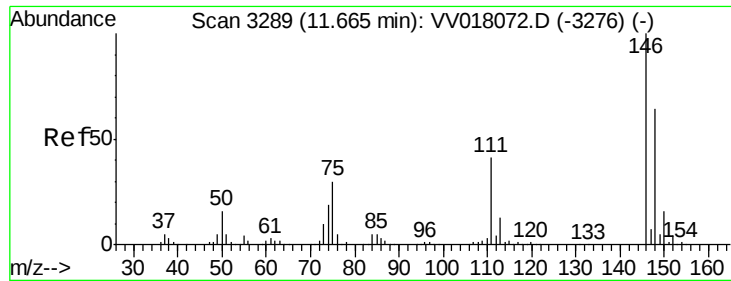
Tgt Ion:146 Resp: 235457
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.8 53.4
 148 64.1 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 48.989 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion:146 Resp: 242427
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.0 52.0
 148 63.1 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 47.436 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

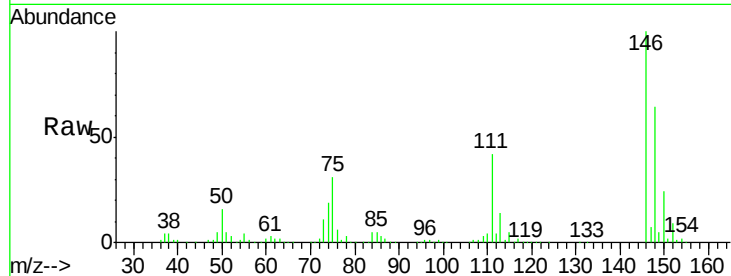
Tgt Ion: 146 Resp: 235197

Ion Ratio Lower Upper

146 100

111 41.6 34.2 51.4

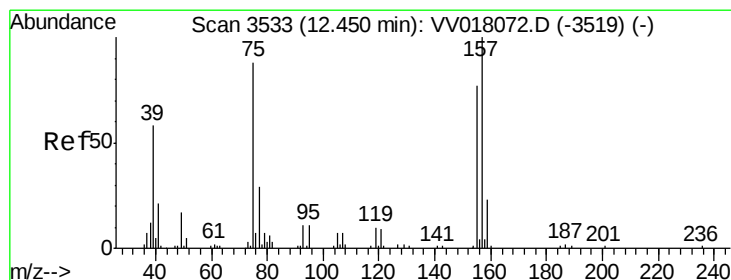
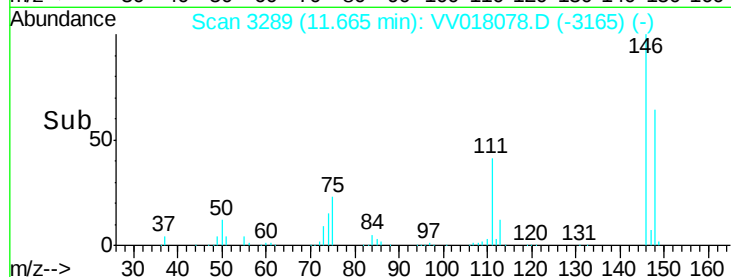
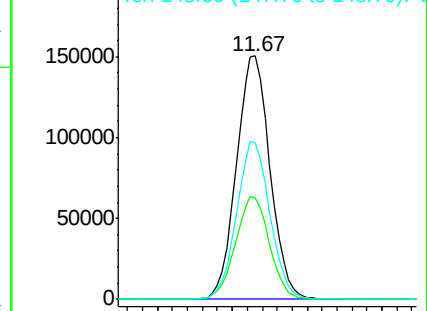
148 64.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.053 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

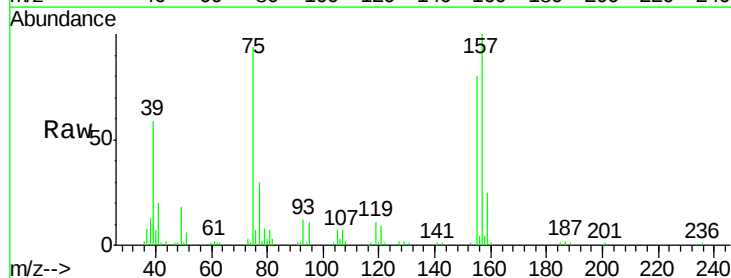
Tgt Ion: 75 Resp: 33643

Ion Ratio Lower Upper

75 100

155 85.5 67.6 101.4

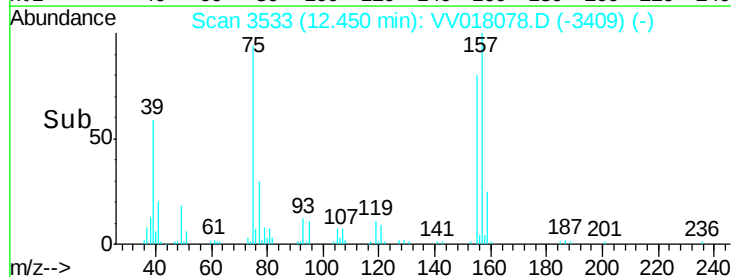
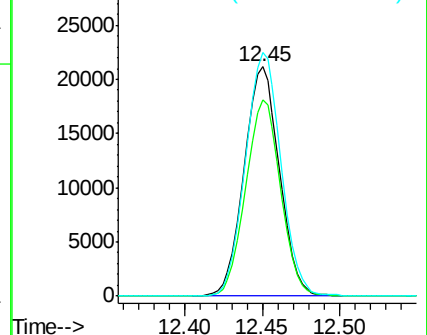
157 106.2 84.3 126.5

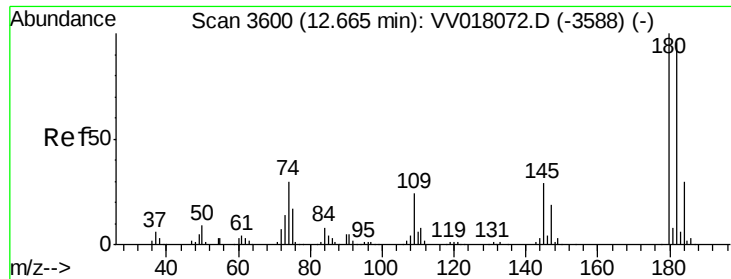


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

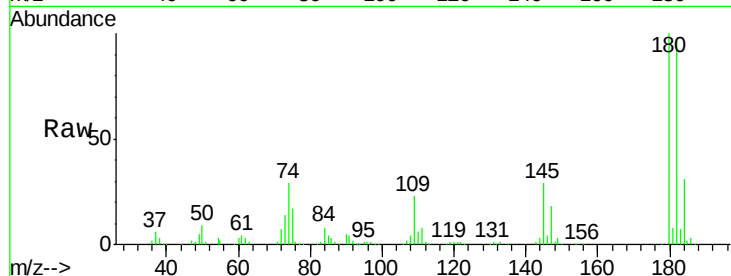




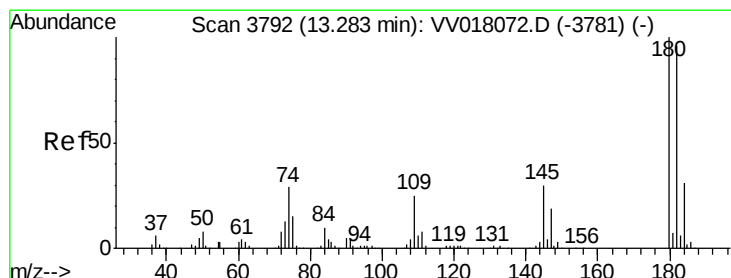
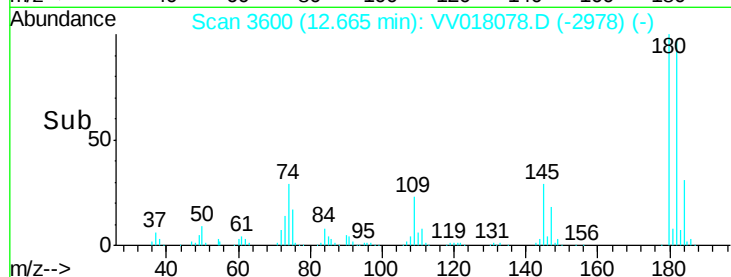
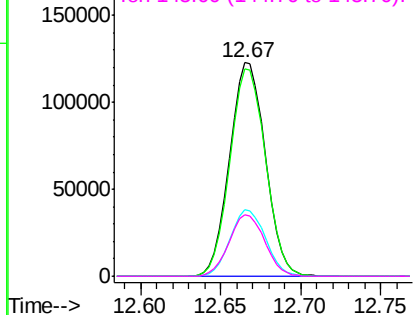
#67
 1,3,5-Trichlorobenzene
 Concen: 51.164 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:180 Resp: 187228
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.2 115.8
 184 30.9 24.6 36.8
 145 28.8 23.5 35.3

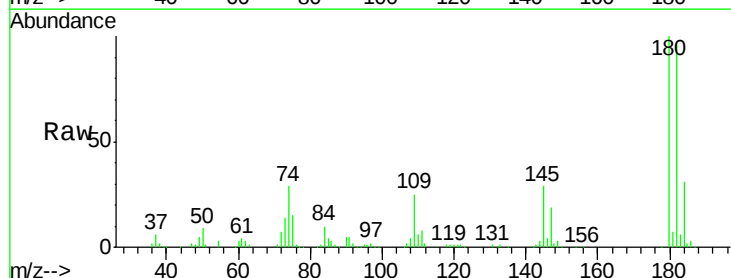


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

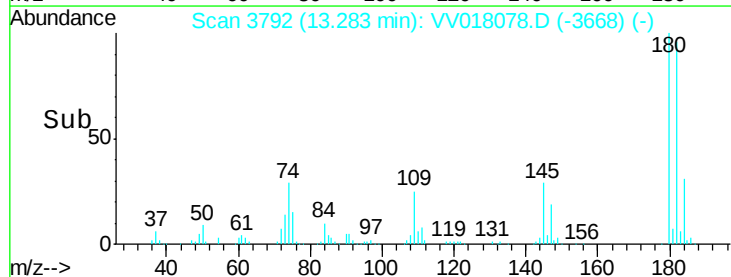
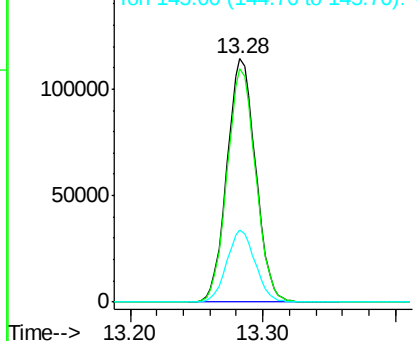


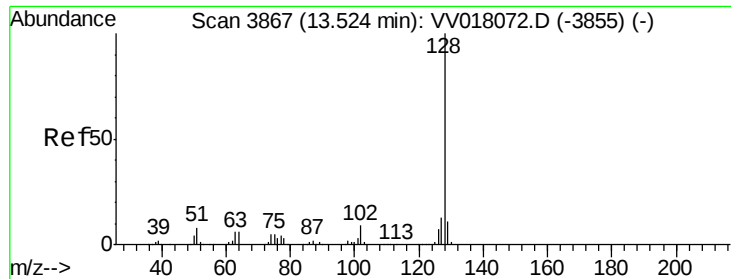
#68
 1,2,4-trichlorobenzene
 Concen: 53.371 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018078.D
 Acq: 24 Aug 2020 10:11

Tgt Ion:180 Resp: 171708
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.4 114.6
 145 29.1 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.744 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

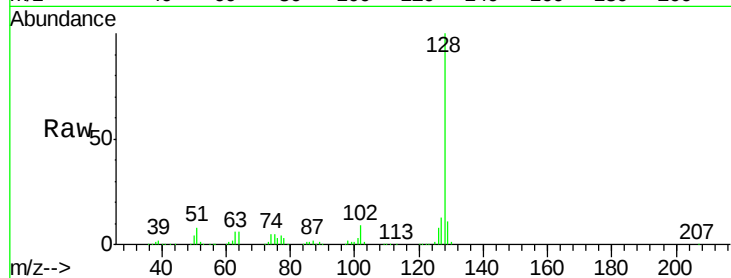
Tgt Ion:128 Resp: 441106

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

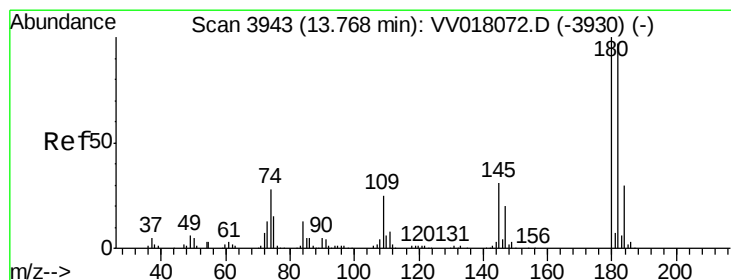
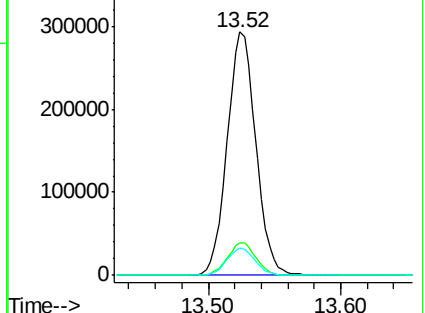
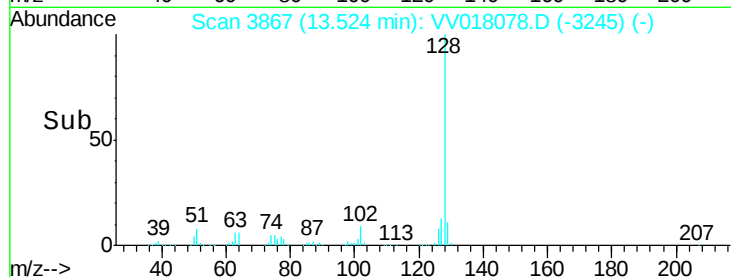
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.632 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018078.D

Acq: 24 Aug 2020 10:11

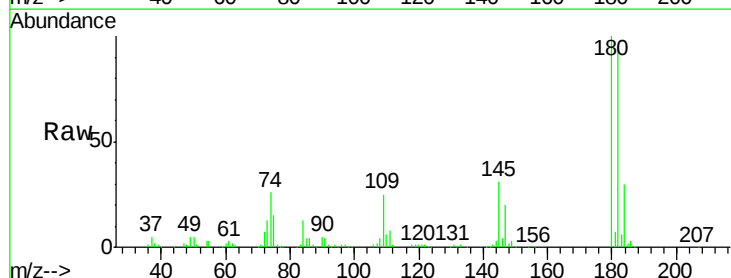
Tgt Ion:180 Resp: 172201

Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

145 31.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

