

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081920\
 Data File : VV018063.D
 Acq On : 19 Aug 2020 15:39
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Aug 20 04:34:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 04:32:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	295061	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80537	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.54%
7) Chloroethane-d5	1.58	69	70733	38.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.12	63	168154	39.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.10%
21) 2-Butanone-d5	3.90	46	128456	87.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.12%
24) Chloroform-d	4.37	84	170203	41.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.06%
26) 1,2-Dichloroethane-d4	5.05	65	110134	41.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.76%
32) Benzene-d6	5.07	84	314525	38.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.92%
36) 1,2-Dichloropropane-d6	6.09	67	105901	40.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.26%
41) Toluene-d8	7.33	98	284370	39.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.34%#
43) trans-1,3-Dichloropropene-	7.64	79	51455	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.98%
47) 2-Hexanone-d5	8.10	63	72763	85.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.92%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	147548	42.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	130929	41.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96868	42.524	ug/L 100
3) Chloromethane	1.25	50	107751	40.720	ug/L 99
5) Vinyl chloride	1.32	62	113852	43.425	ug/L 100
6) Bromomethane	1.53	94	65252	41.642	ug/L 99
8) Chloroethane	1.60	64	73141	43.708	ug/L 99
9) Trichlorofluoromethane	1.77	101	162990	43.521	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95878	45.850	ug/L 98
12) 1,1-Dichloroethene	2.13	96	87610	44.264	ug/L 93
13) Acetone	2.18	43	152757	100.301	ug/L 100
14) Carbon disulfide	2.31	76	236950	43.497	ug/L 100
15) Methyl Acetate	2.44	43	103284	42.023	ug/L 99
16) Methylene chloride	2.52	84	104132	41.297	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	90800	44.629	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	302965	45.026	ug/L 100
19) 1,1-Dichloroethane	3.21	63	182140	44.522	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	102338	45.773	ug/L 97
22) 2-Butanone	3.98	43	162332	95.012	ug/L 99

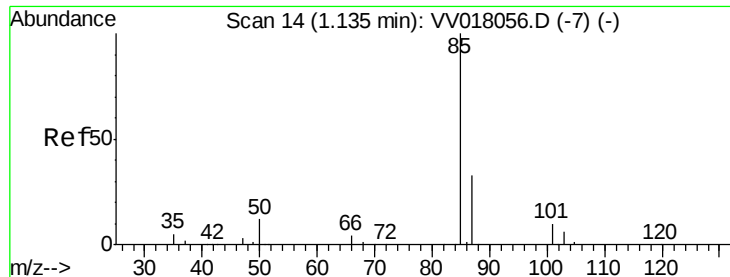
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081920\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 04:32:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52484	44.936	ug/L	98
25) Chloroform	4.40	83	186809	44.770	ug/L	99
27) 1,2-Dichloroethane	5.15	62	147527	44.419	ug/L	98
29) Cyclohexane	4.70	56	155610	44.018	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	158605	44.188	ug/L	99
31) Carbon tetrachloride	4.85	117	136229	45.591	ug/L	98
33) Benzene	5.12	78	397542	43.870	ug/L	100
34) Trichloroethene	5.93	95	105473	44.033	ug/L	98
35) Methylcyclohexane	6.15	83	159657	44.825	ug/L	99
37) 1,2-Dichloropropane	6.19	63	108111	43.747	ug/L	99
38) Bromodichloromethane	6.53	83	138039	44.969	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	160998	45.955	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	277516	85.902	ug/L	100
42) Toluene	7.41	91	421683	44.594	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	158065	47.552	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	100268	43.812	ug/L	99
46) Tetrachloroethene	7.99	164	82253	46.822	ug/L	99
48) 2-Hexanone	8.15	43	235195	90.282	ug/L	100
49) Dibromochloromethane	8.26	129	104761	46.897	ug/L	99
50) 1,2-Dibromoethane	8.37	107	103503	43.712	ug/L	98
51) Chlorobenzene	8.90	112	274913	45.204	ug/L	99
52) Ethylbenzene	9.03	91	467359	45.329	ug/L	100
53) m,p-Xylene	9.16	106	175422	46.260	ug/L	96
54) o-xylene	9.56	106	168989	45.094	ug/L	98
55) Styrene	9.58	104	304830	47.500	ug/L	99
56) Isopropylbenzene	9.95	105	457245	46.251	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	149194	41.863	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	128682	42.162	ug/L	100
61) Bromoform	9.75	173	71576	46.772	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	227949	44.322	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	234718	44.426	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	227662	43.007	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31691	40.633	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	179839	46.031	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	163705	47.659	ug/L	99
69) Naphthalene	13.52	128	424455	44.833	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	164010	46.952	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 42.524 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

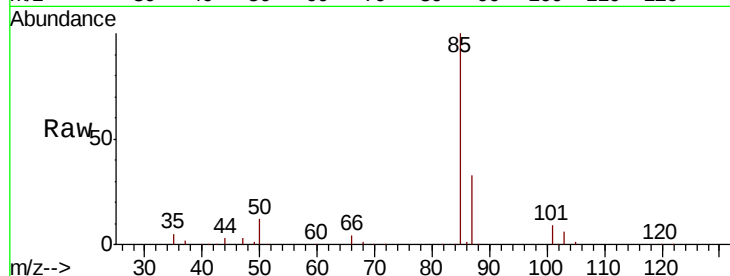
VSTD05076

Tot Ion: 85 Resp: 96868

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018056.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018056.D (-7) (-)

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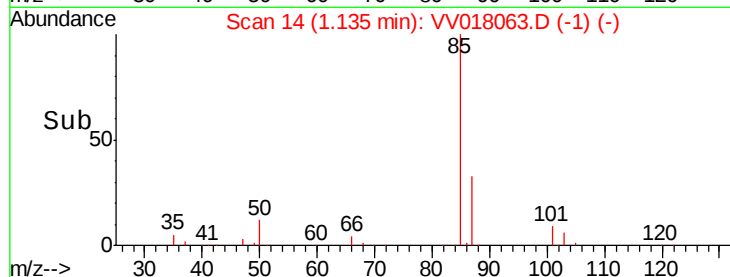
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1.14

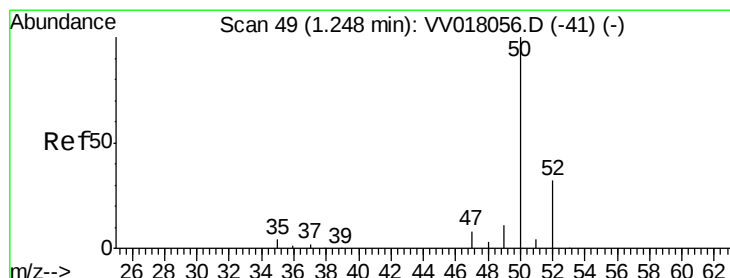
1.14

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Time-->



#3

Chloromethane

Concen: 40.720 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018063.D

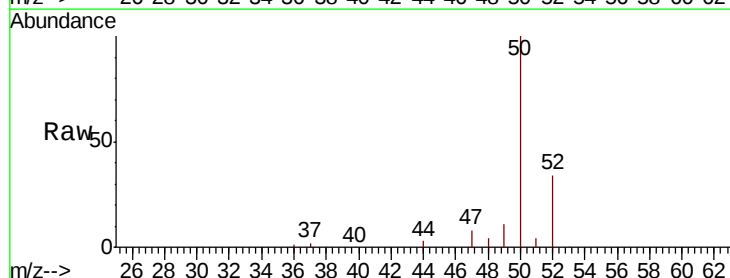
Acq: 19 Aug 2020 15:39

Tgt Ion: 50 Resp: 107751

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018056.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018056.D (-41) (-)

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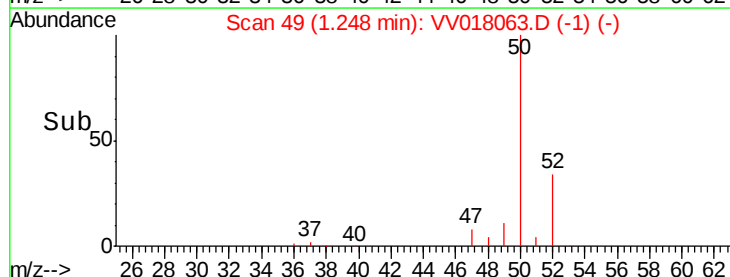
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1.25

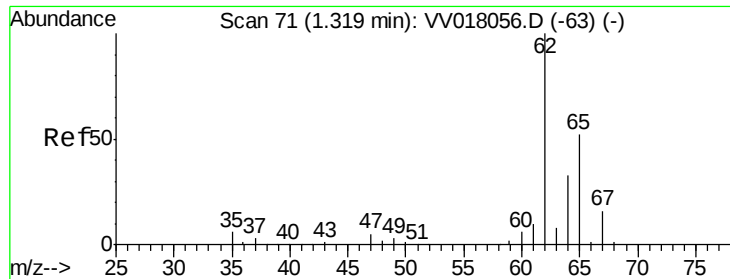
1.25

1.25

1.25



Time-->



#5

Vinyl chloride

Concen: 43.425 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

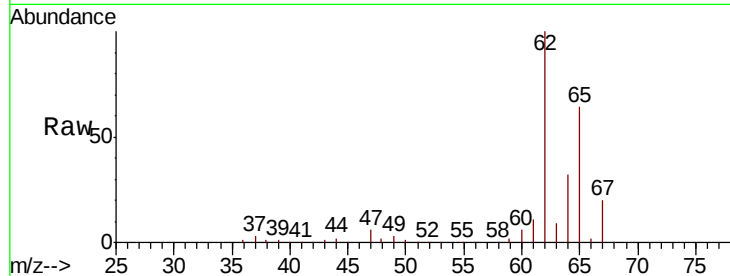
VSTD05076

Tot Ion: 62 Resp: 113852

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

20000

0

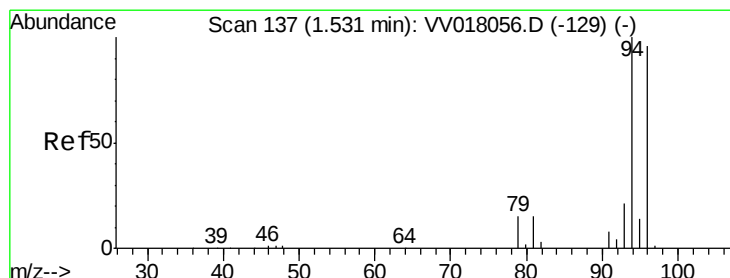
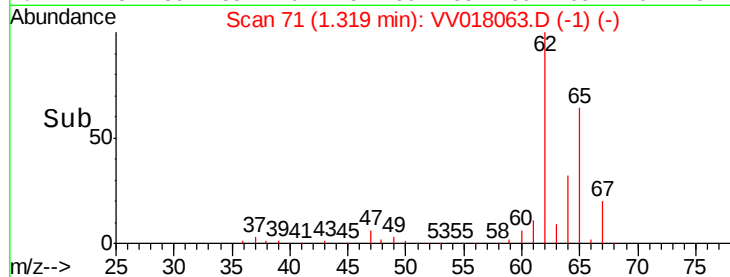
1.30

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 41.642 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018063.D

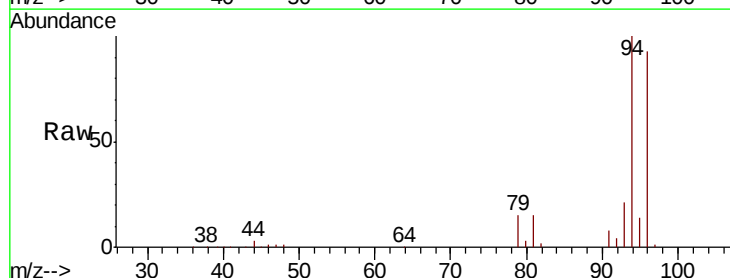
Acq: 19 Aug 2020 15:39

Tgt Ion: 94 Resp: 65252

Ion Ratio Lower Upper

94 100

96 93.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

20000

0

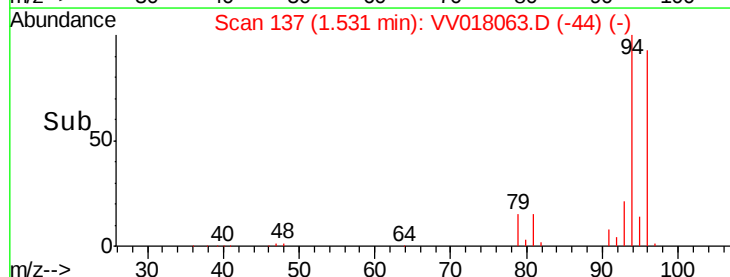
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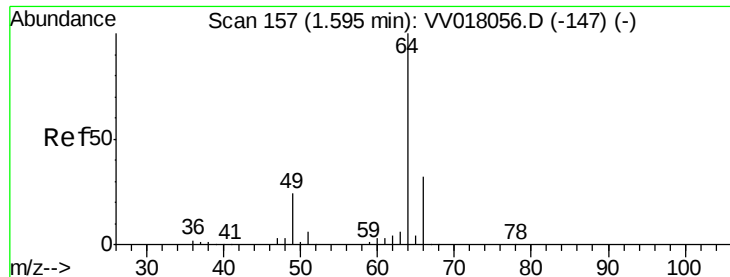
1.53

1.55

1.60

Time-->

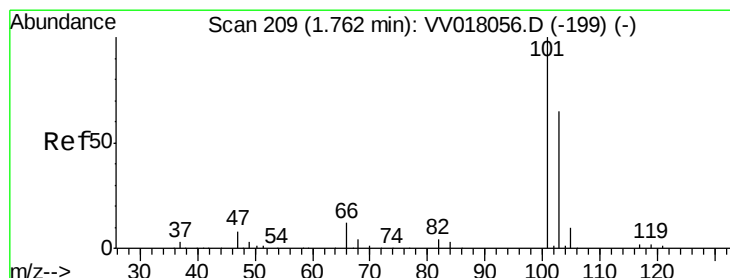
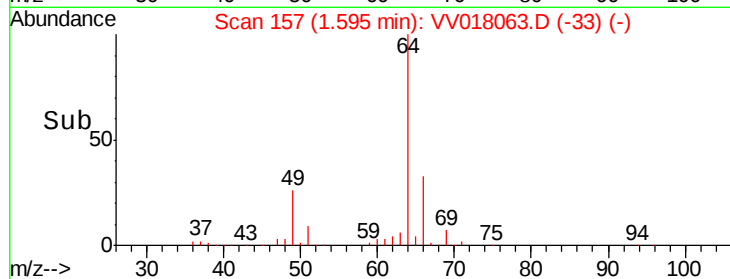
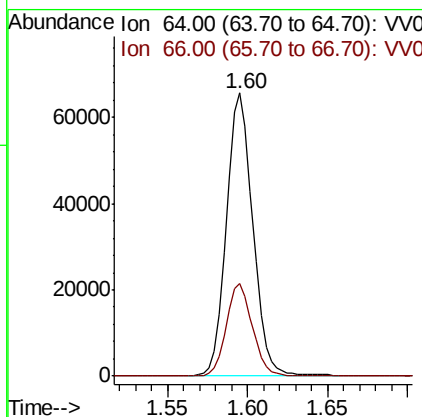
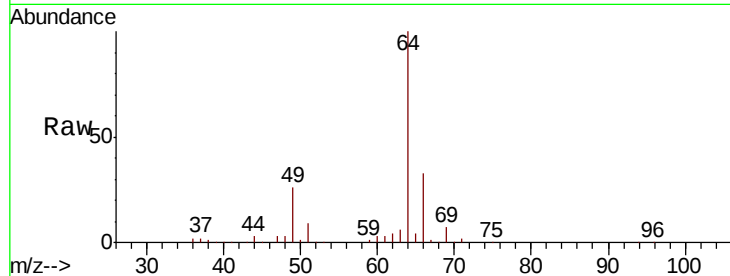




#8
 Chloroethane
 Concen: 43.708 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

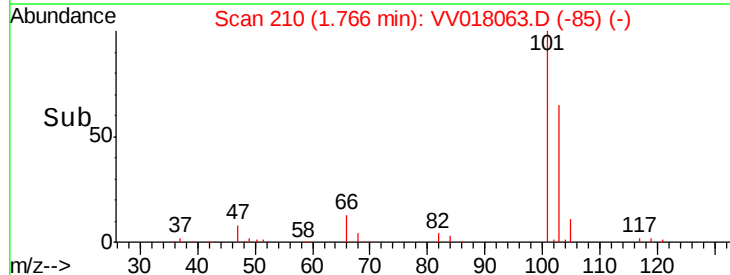
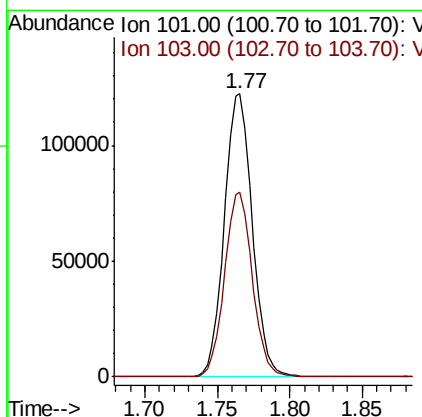
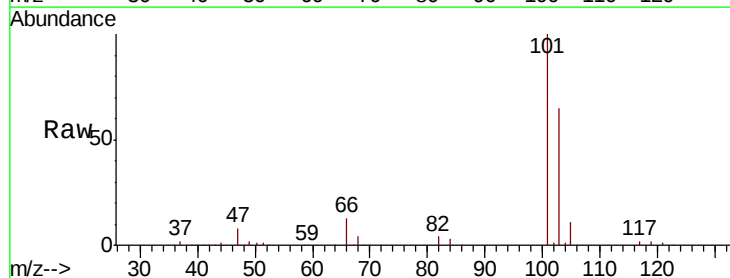
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

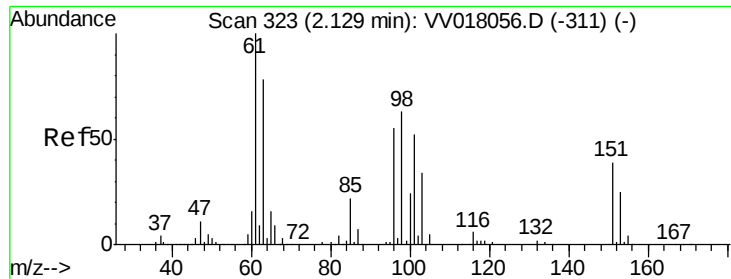
Tot Ion: 64 Resp: 73141
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.3 41.3



#9
 Trichlorofluoromethane
 Concen: 43.521 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Tgt Ion:101 Resp: 162990
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.5 77.3





#10

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

Concen: 45.850 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

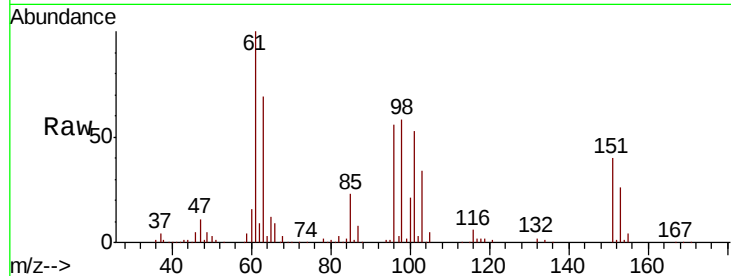
Tot Ion:101 Resp: 95878

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

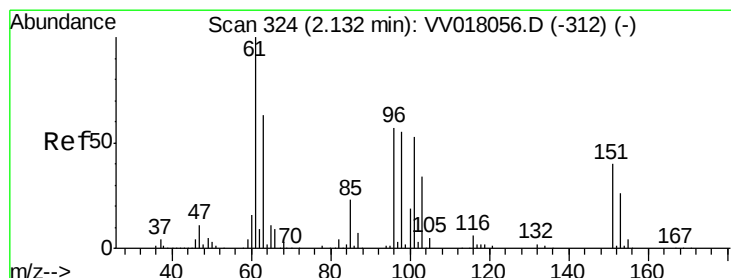
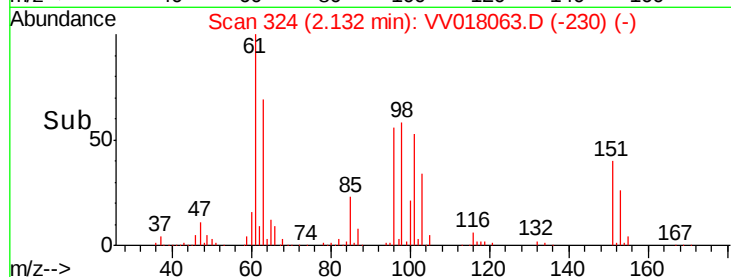
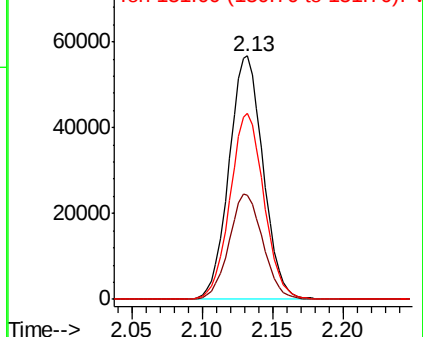
151 76.2 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 44.264 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

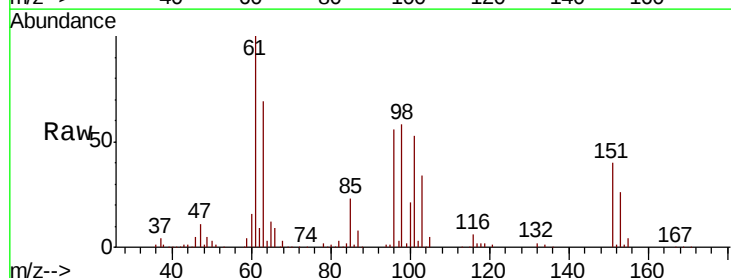
Tgt Ion: 96 Resp: 87610

Ion Ratio Lower Upper

96 100

61 177.6 127.1 236.0

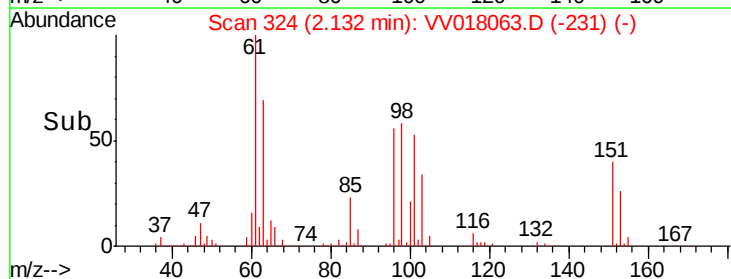
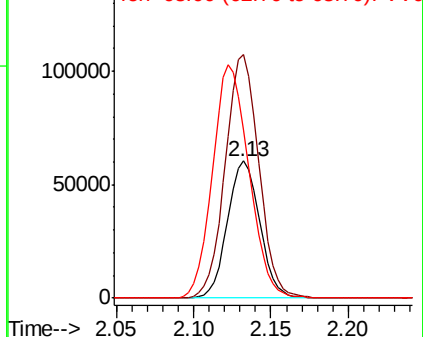
63 122.2 95.2 176.8

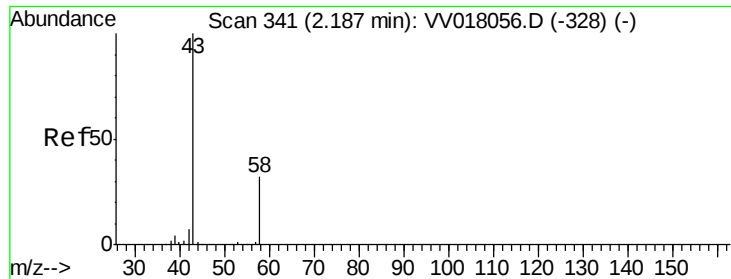


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 100.301 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

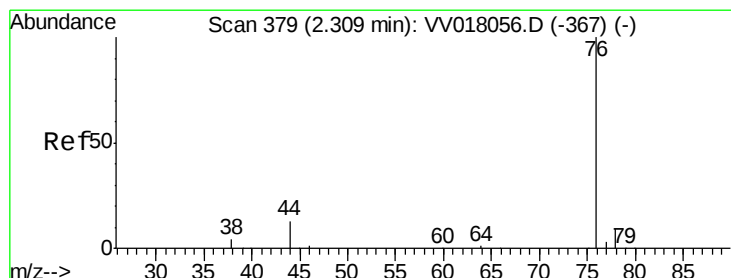
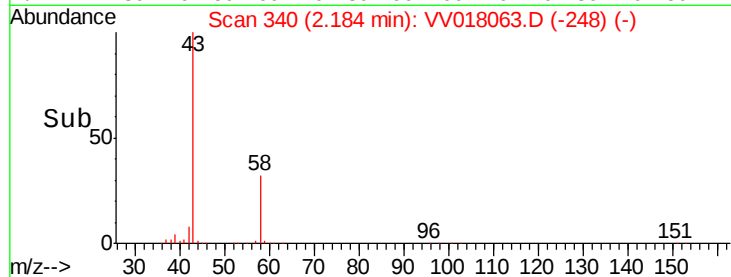
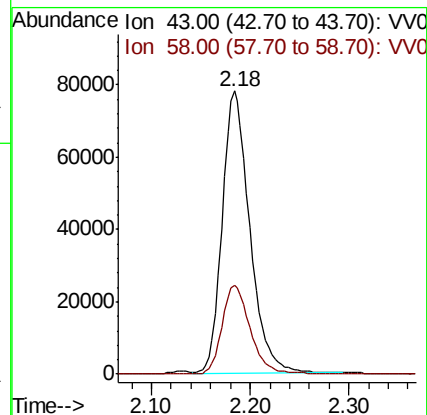
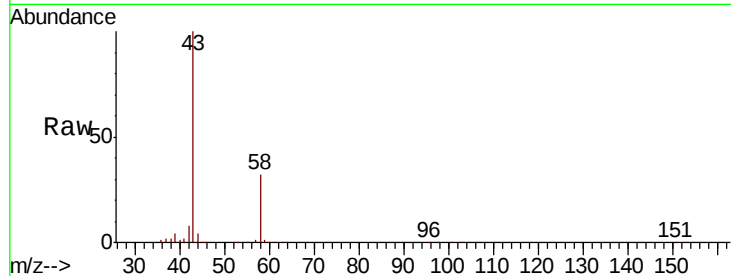
VSTD05076

Tot Ion: 43 Resp: 152757

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#14

Carbon disulfide

Concen: 43.497 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018063.D

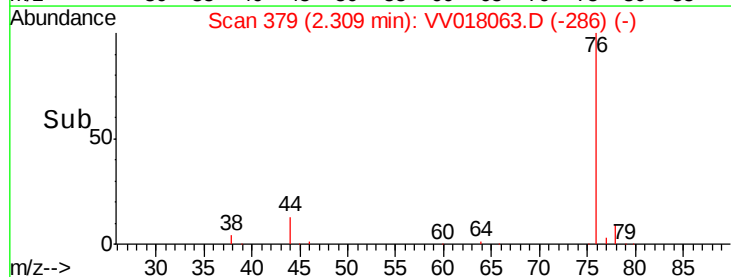
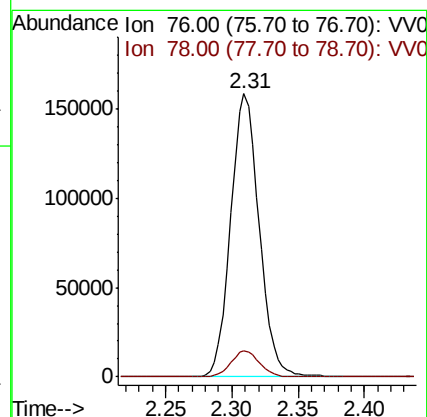
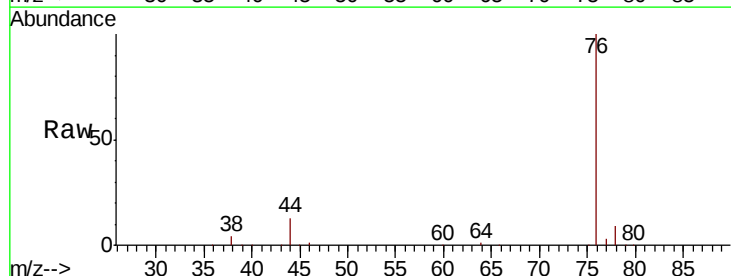
Acq: 19 Aug 2020 15:39

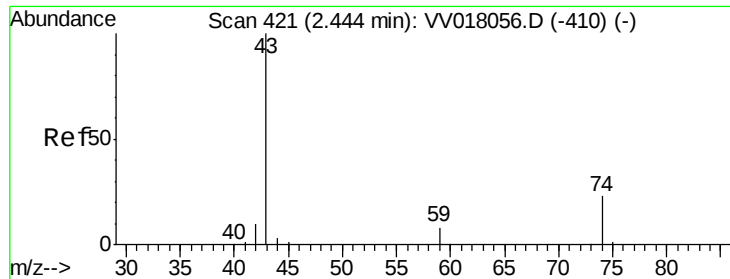
Tgt Ion: 76 Resp: 236950

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

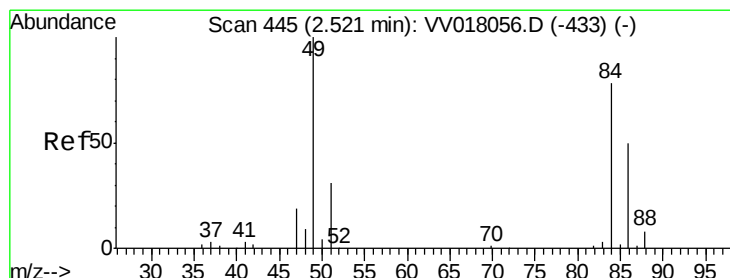
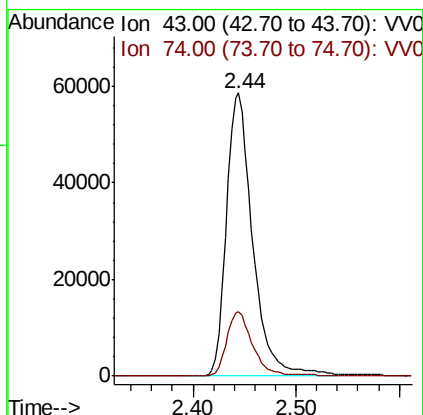
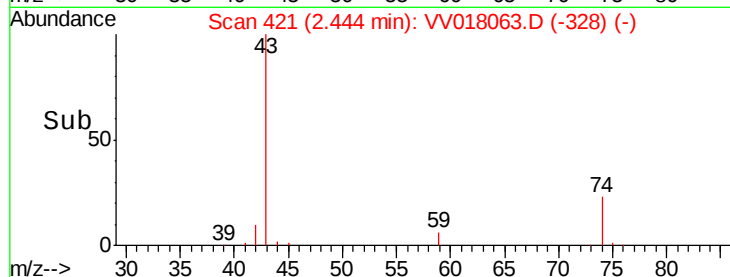
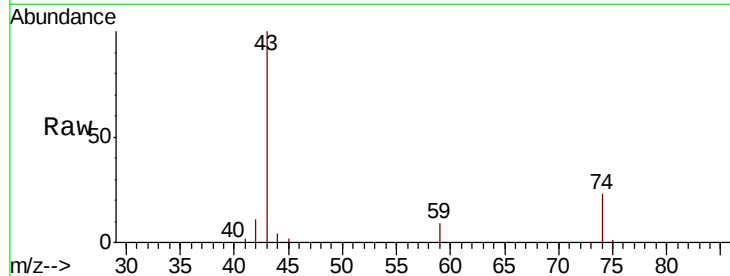




#15
Methyl Acetate
Concen: 42.023 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

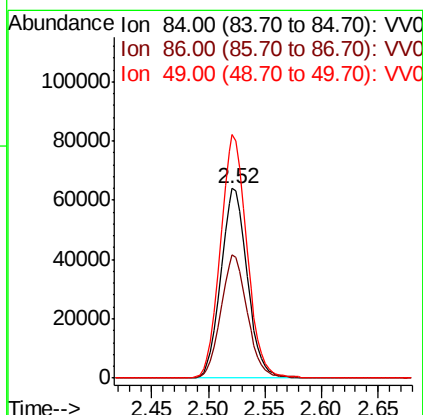
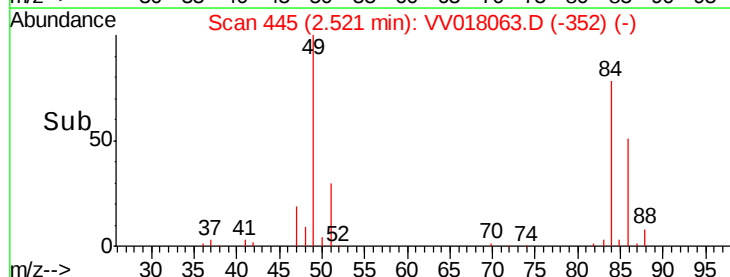
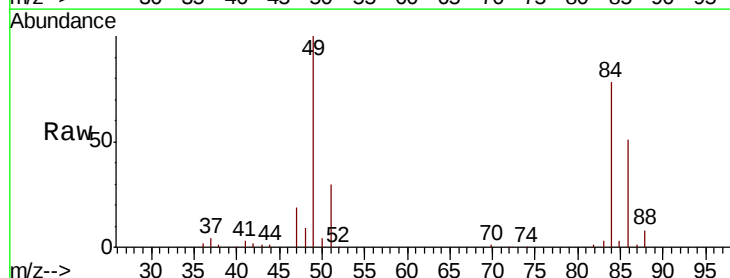
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

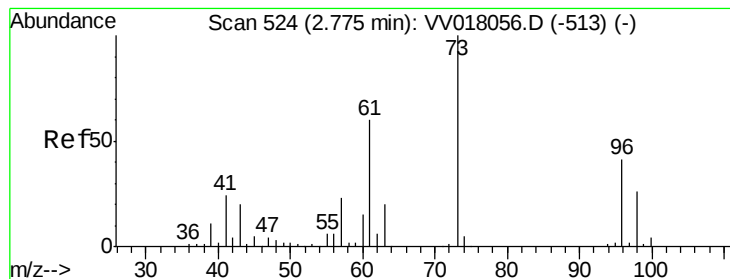
Tot Ion: 43 Resp: 103284
Ion Ratio Lower Upper
43 100
74 22.5 18.4 27.6



#16
Methylene chloride
Concen: 41.297 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

Tgt Ion: 84 Resp: 104132
Ion Ratio Lower Upper
84 100
86 64.9 46.3 85.9
49 128.4 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 44.629 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

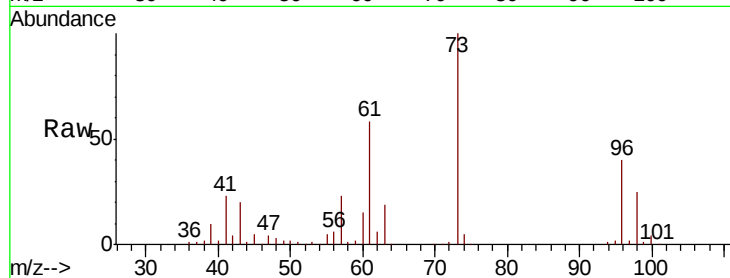
Tot Ion: 96 Resp: 90800

Ion Ratio Lower Upper

96 100

61 147.0 102.4 190.2

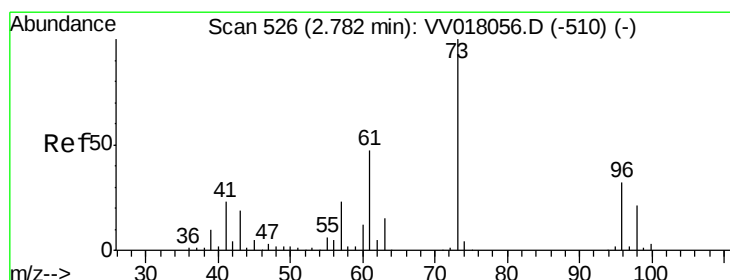
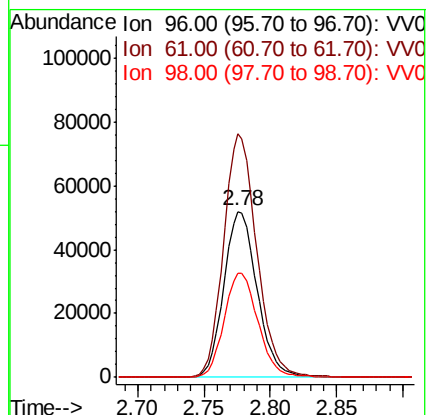
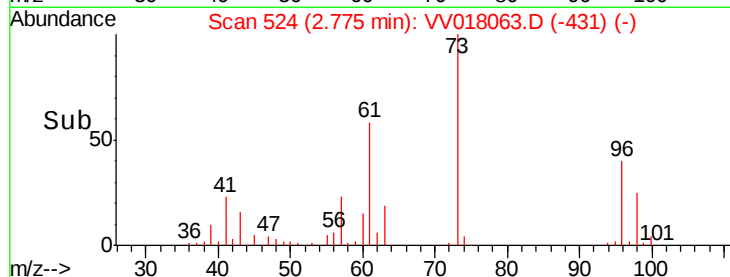
98 63.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 45.026 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

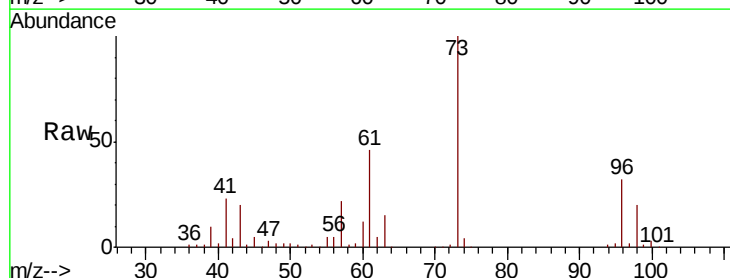
Tgt Ion: 73 Resp: 302965

Ion Ratio Lower Upper

73 100

43 19.7 15.9 23.9

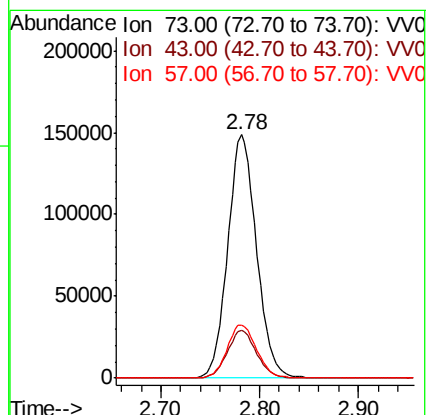
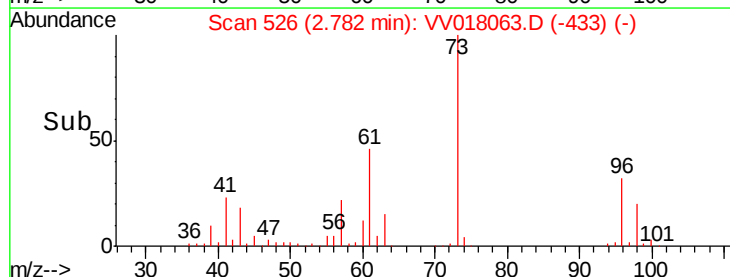
57 22.6 18.1 27.1

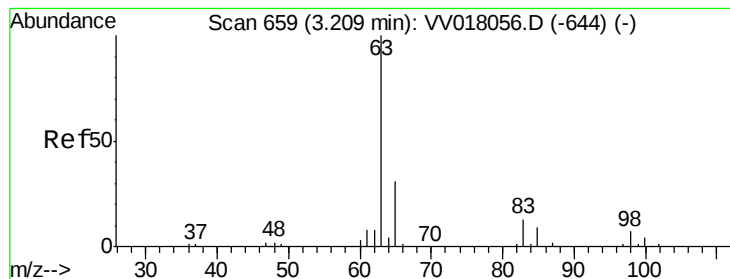


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.522 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

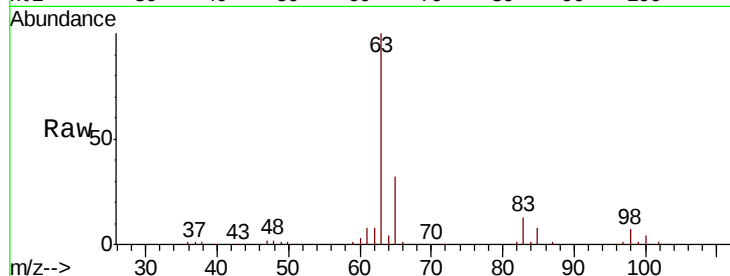
Tot Ion: 63 Resp: 182140

Ion Ratio Lower Upper

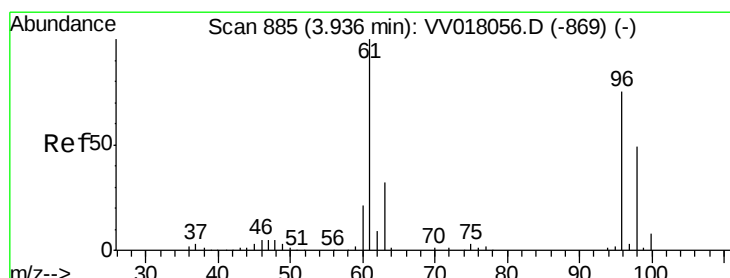
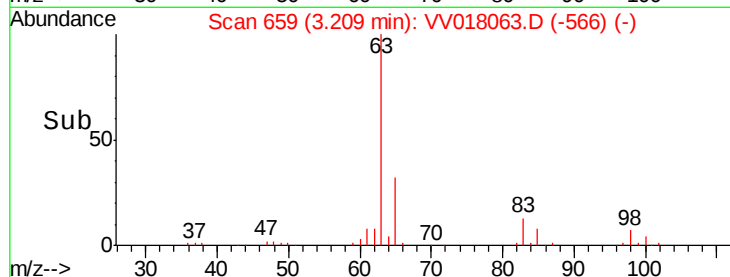
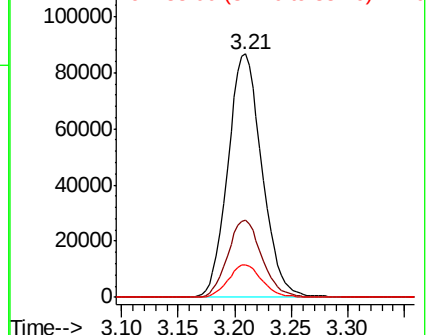
63 100

65 31.6 22.5 41.7

83 13.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.773 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

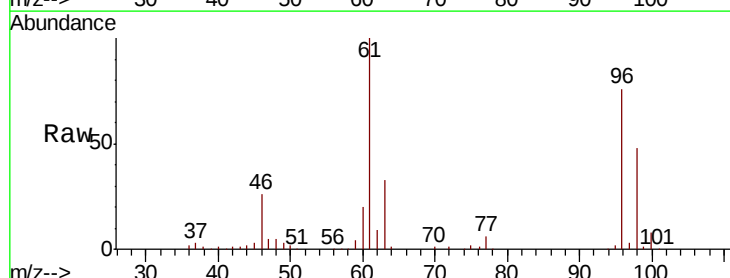
Tgt Ion: 96 Resp: 102338

Ion Ratio Lower Upper

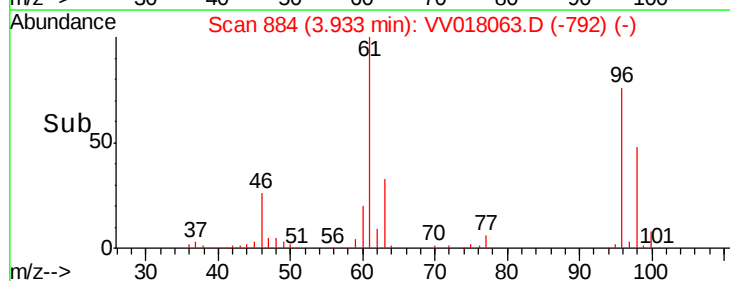
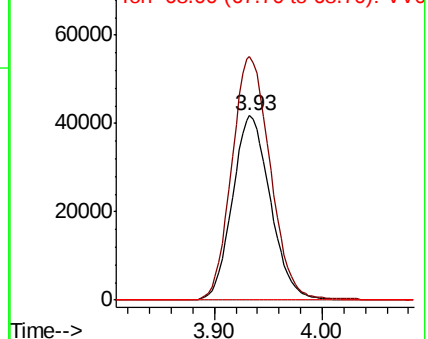
96 100

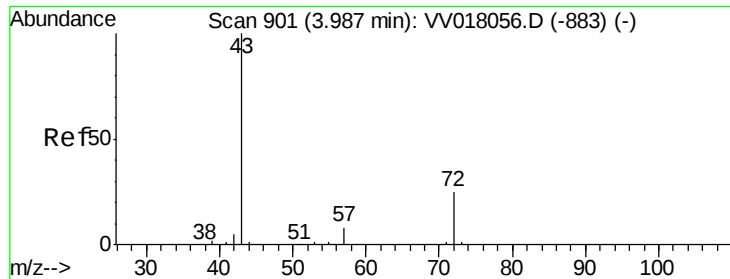
61 132.2 95.0 176.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 95.012 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

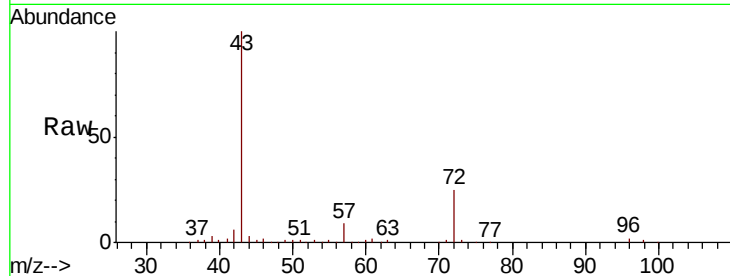
VSTD05076

Tot Ion: 43 Resp: 162332

Ion Ratio Lower Upper

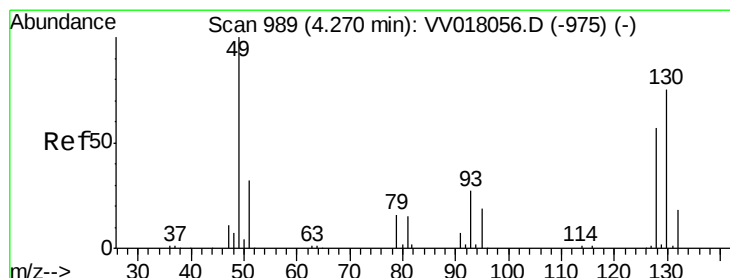
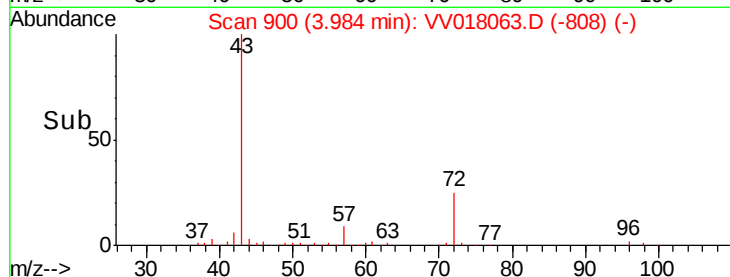
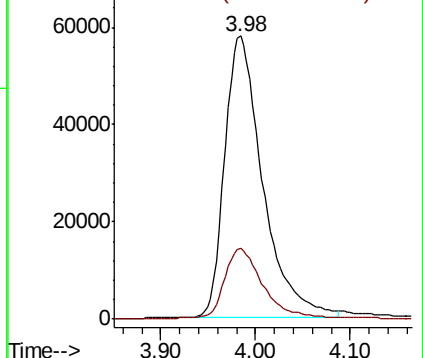
43 100

72 25.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018056.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV018056.D (-883) (-)



#23

Bromochloromethane

Concen: 44.936 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Tgt Ion: 128 Resp: 52484

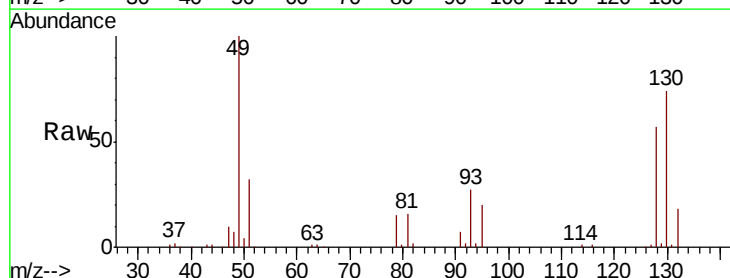
Ion Ratio Lower Upper

128 100

49 176.3 125.6 233.3

130 130.5 89.9 167.0

51 56.6 45.8 68.6

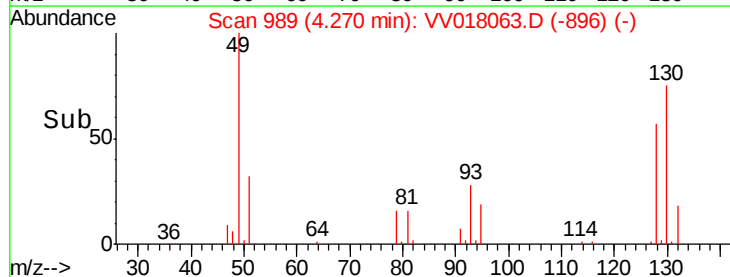
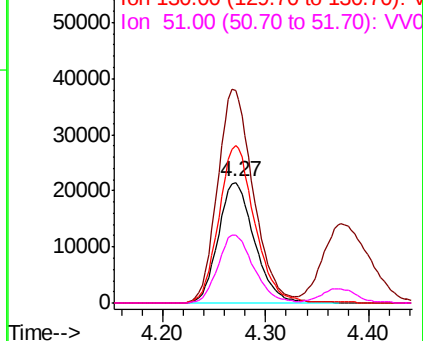


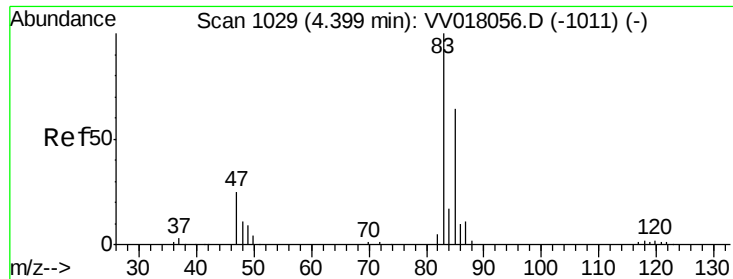
Abundance Ion 128.00 (127.70 to 128.70): VV018056.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018056.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018056.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018056.D (-975) (-)

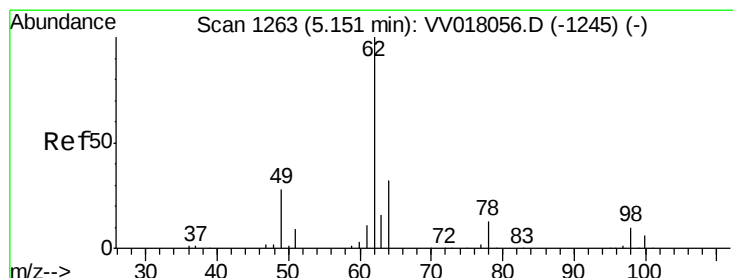
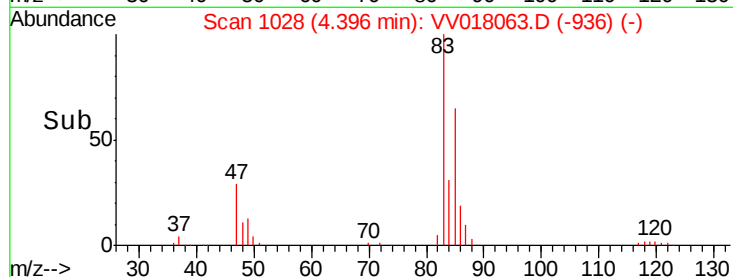
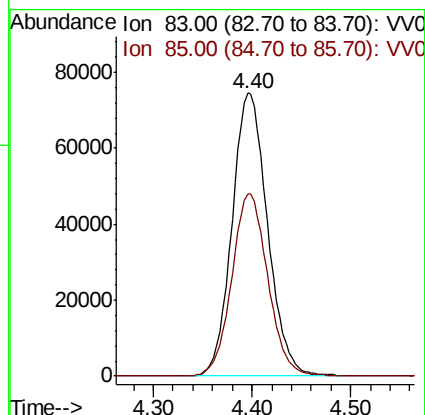
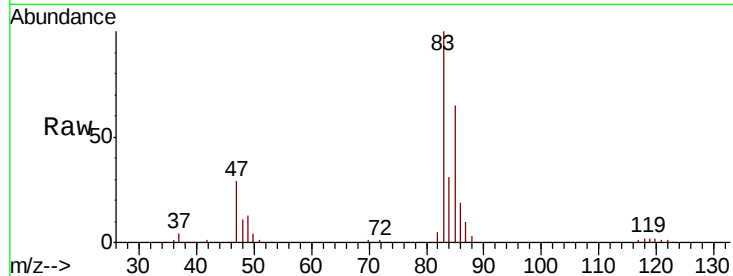




#25
Chloroform
Concen: 44.770 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

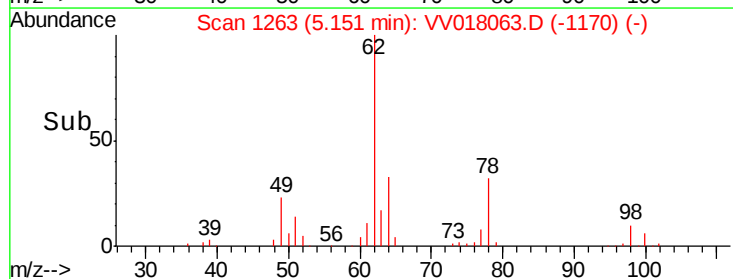
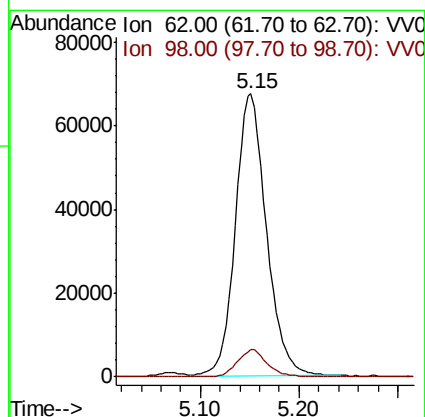
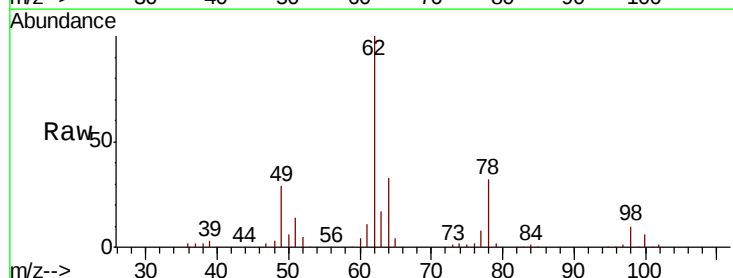
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

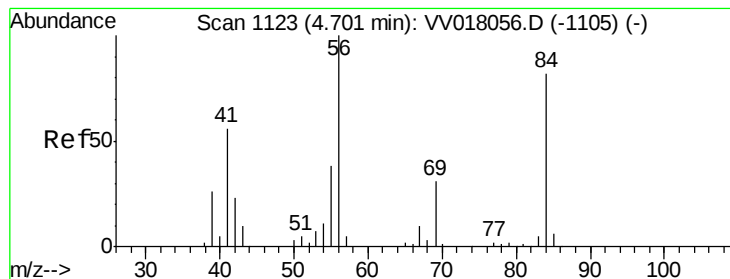
Tot Ion: 83 Resp: 186809
Ion Ratio Lower Upper
83 100
85 64.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 44.419 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

Tgt Ion: 62 Resp: 147527
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7





#29

Cyclohexane

Concen: 44.018 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

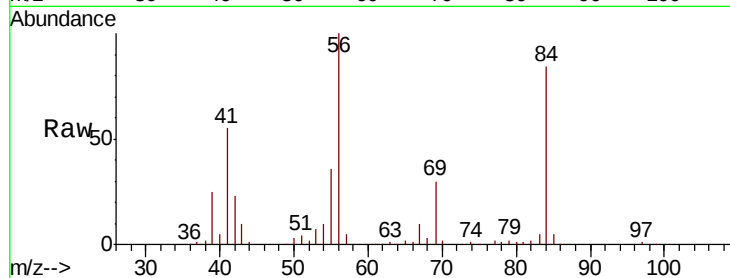
Tot Ion: 56 Resp: 155610

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

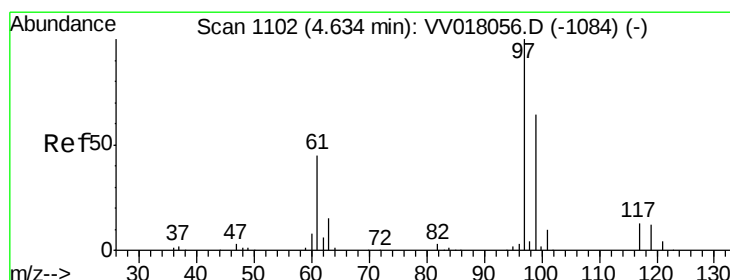
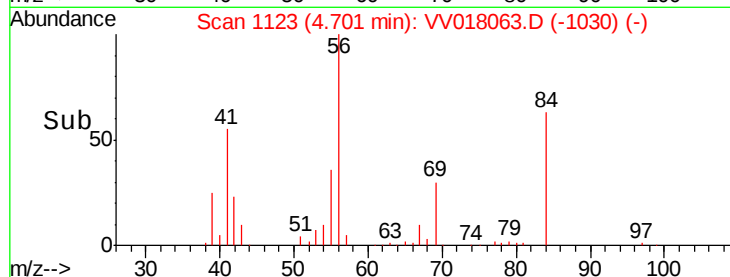
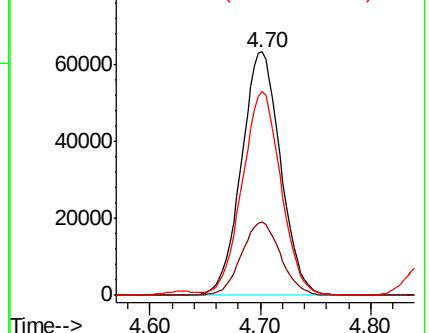
84 83.1 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018056.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV018056.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV018056.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 44.188 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

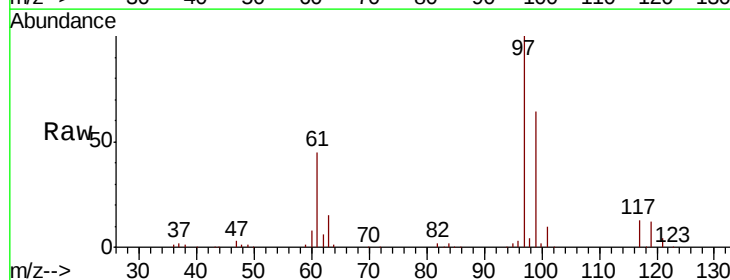
Tgt Ion: 97 Resp: 158605

Ion Ratio Lower Upper

97 100

99 64.0 50.6 76.0

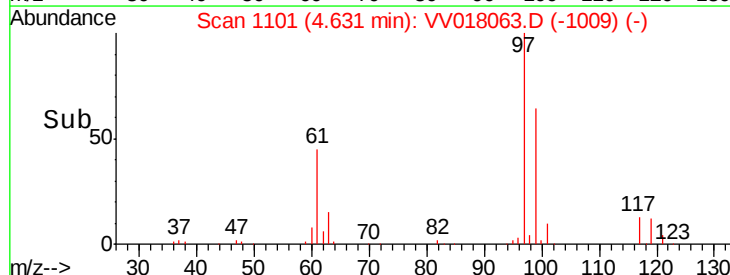
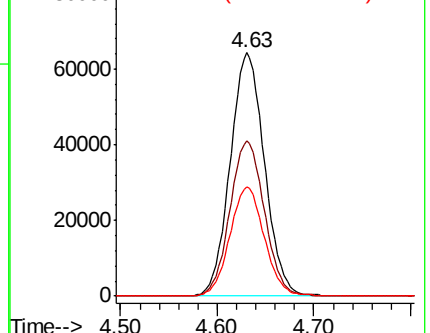
61 45.2 37.0 55.6

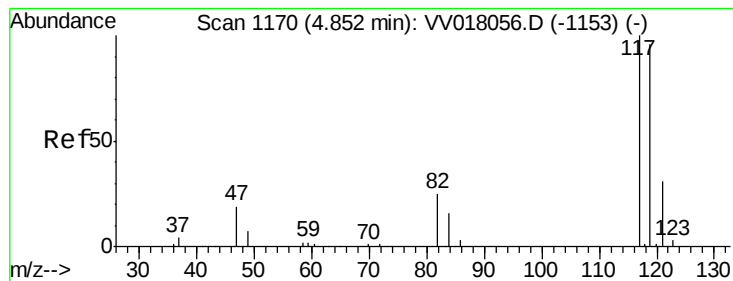


Abundance Ion 97.00 (96.70 to 97.70): VV018056.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018056.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018056.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 45.591 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

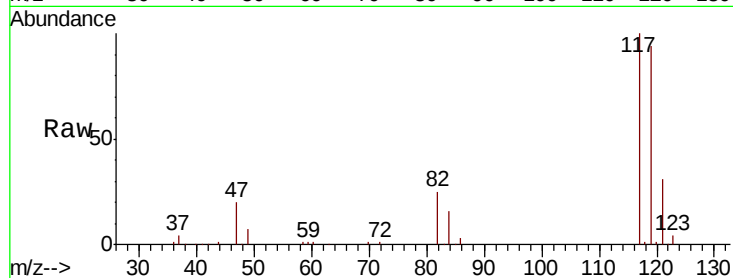
VSTD05076

Tot Ion:117 Resp: 136229

Ion Ratio Lower Upper

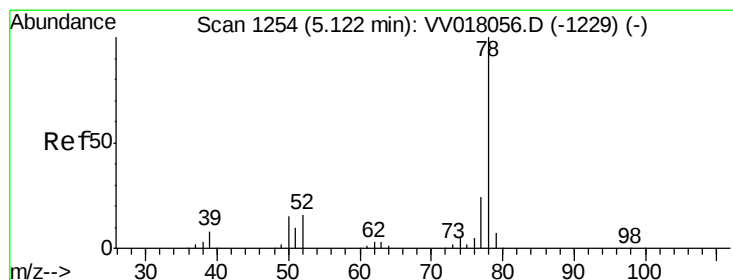
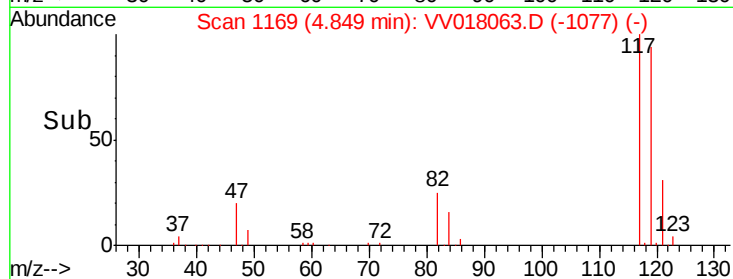
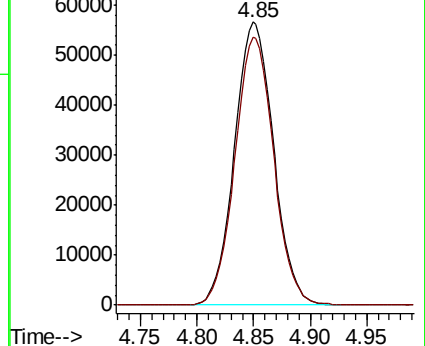
117 100

119 94.1 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: 43.870 ug/L

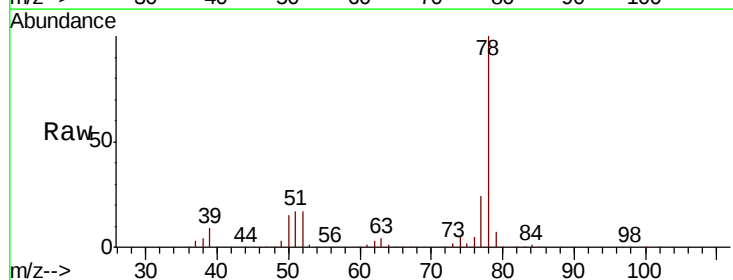
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

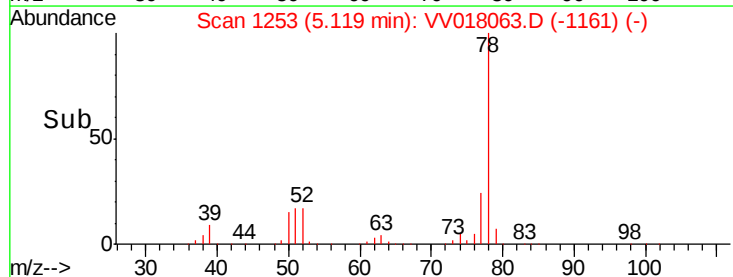
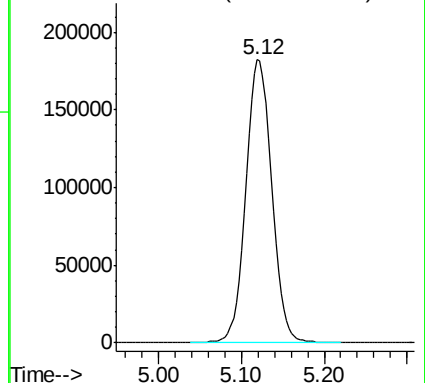
Lab File: VV018063.D

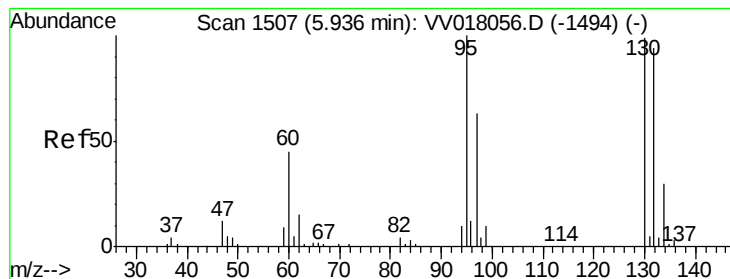
Acq: 19 Aug 2020 15:39

Tgt Ion: 78 Resp: 397542



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.033 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tot Ion: 95 Resp: 105473

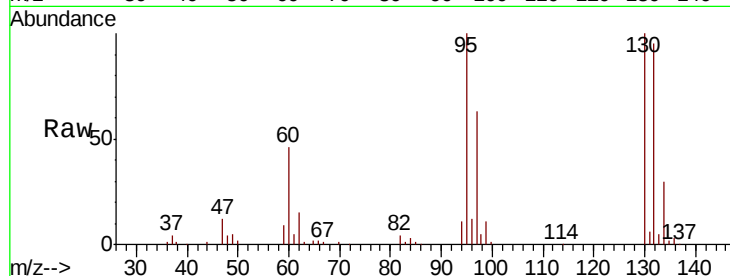
Ion Ratio Lower Upper

95 100

97 62.8 46.0 85.4

132 95.1 65.8 122.2

130 99.7 69.2 128.6

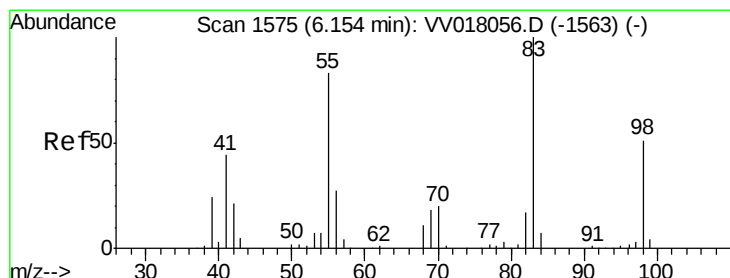
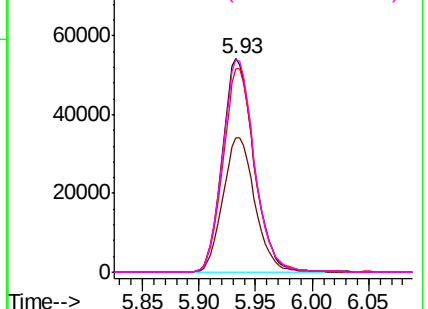
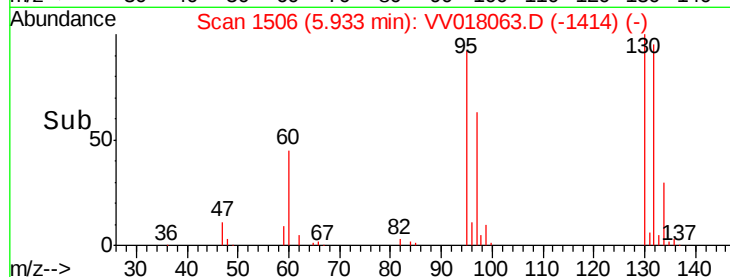


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 44.825 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

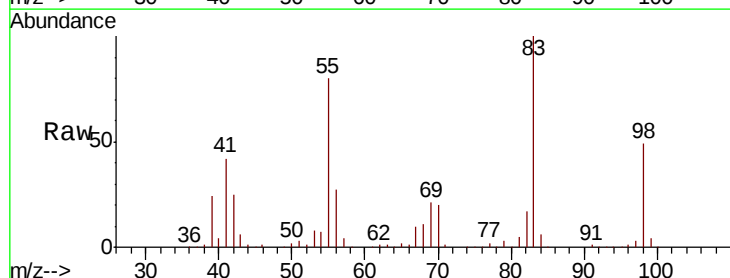
Tgt Ion: 83 Resp: 159657

Ion Ratio Lower Upper

83 100

55 80.8 64.9 97.3

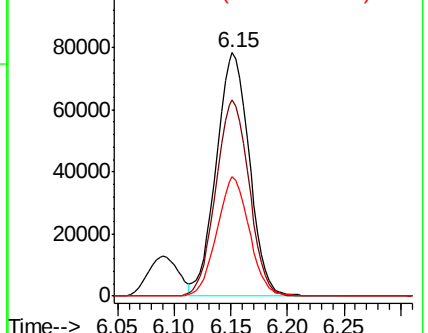
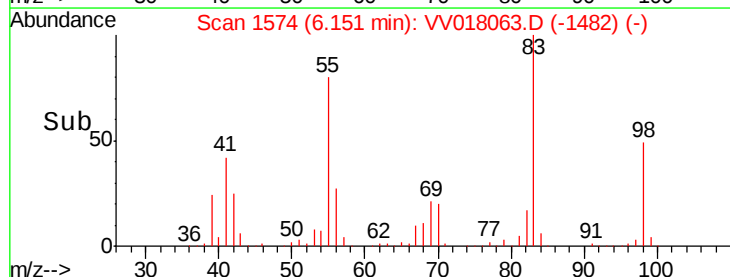
98 47.5 38.7 58.1

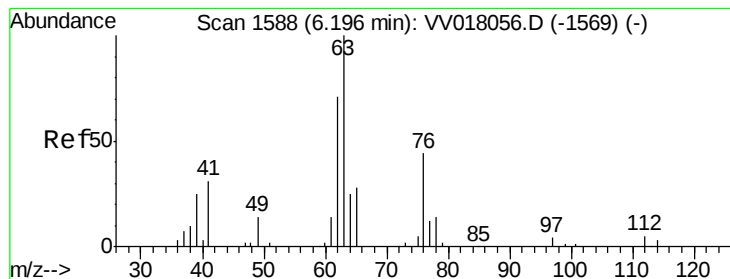


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 43.747 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

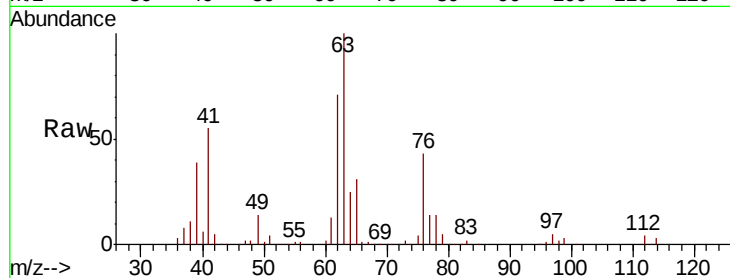
VSTD05076

Tot Ion: 63 Resp: 108111

Ion Ratio Lower Upper

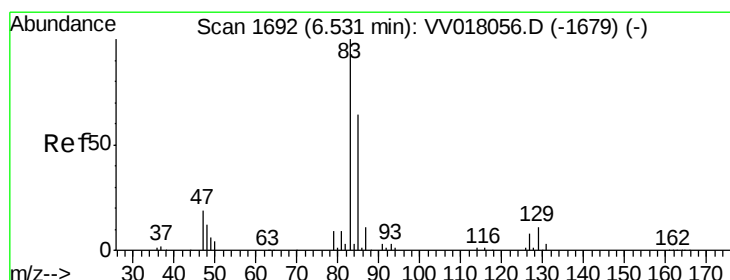
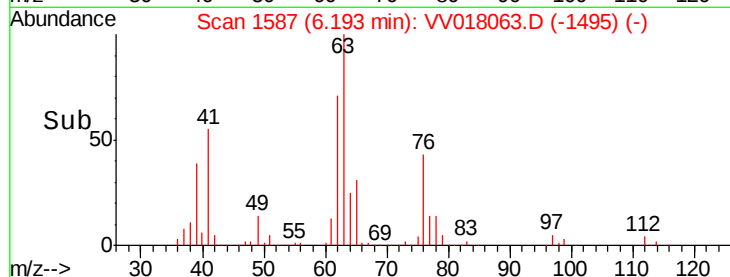
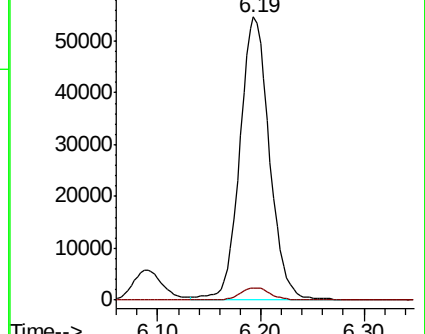
63 100

112 4.6 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV018056.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018056.D (-1569) (-)



#38

Bromodichloromethane

Concen: 44.969 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

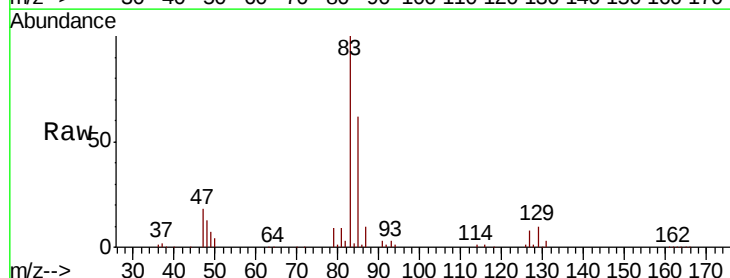
Tgt Ion: 83 Resp: 138039

Ion Ratio Lower Upper

83 100

85 62.1 44.3 82.3

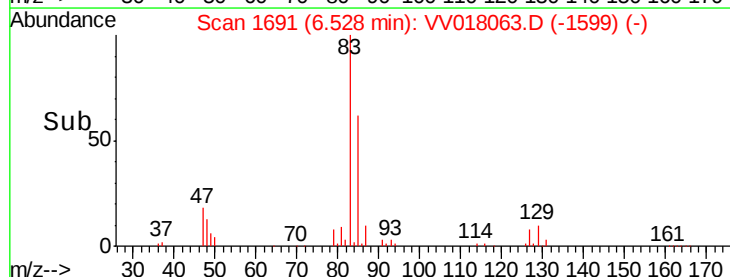
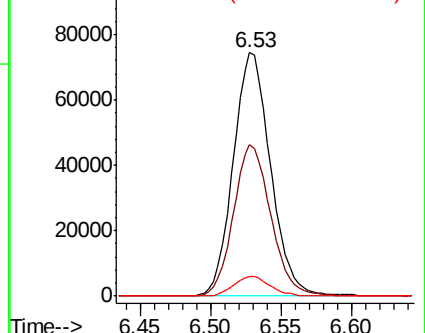
127 8.2 6.5 9.7

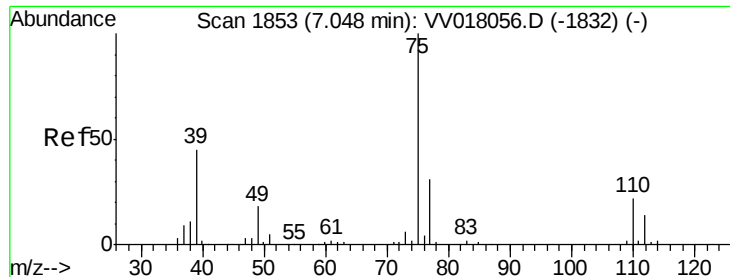


Abundance Ion 83.00 (82.70 to 83.70): VV018056.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018056.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018056.D (-1679) (-)

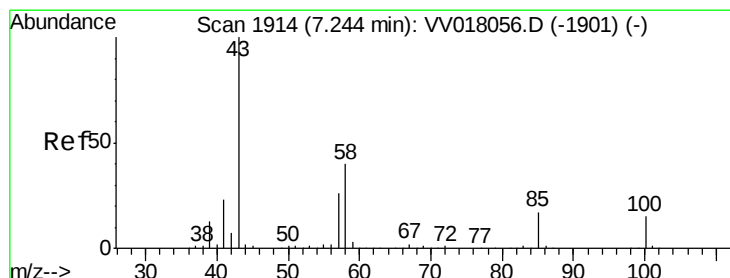
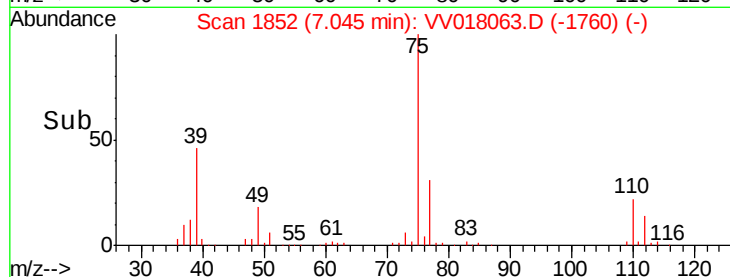
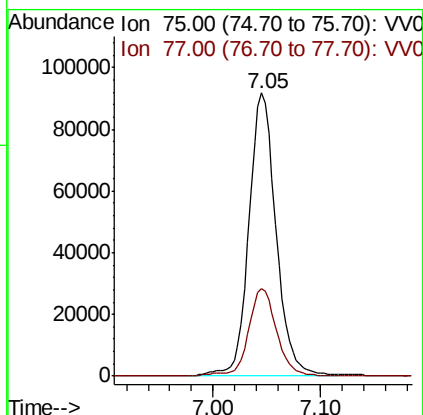
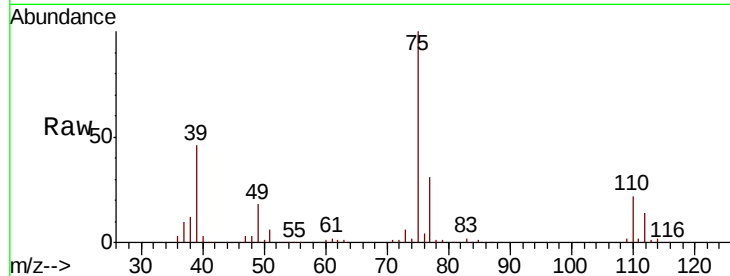




#39
 cis-1,3-Dichloropropene
 Concen: 45.955 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

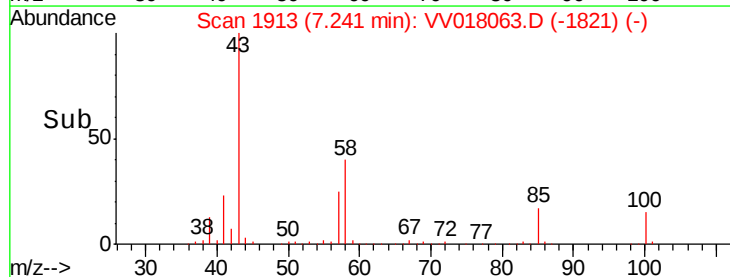
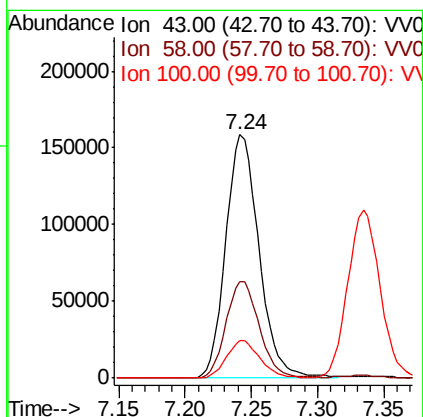
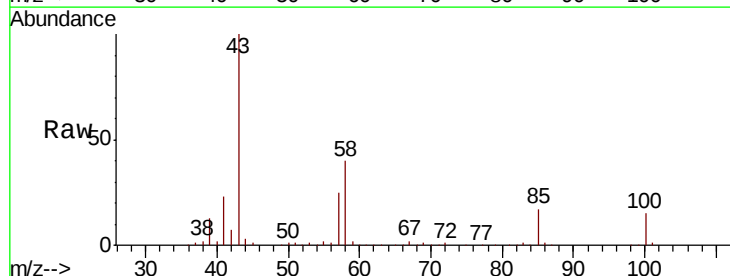
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05076

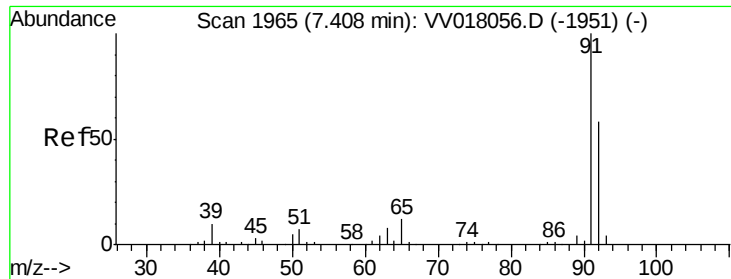
Tot Ion: 75 Resp: 160998
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 85.902 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Tgt Ion: 43 Resp: 277516
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9
 100 15.3 12.2 18.2





#42

Toluene

Concen: 44.594 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

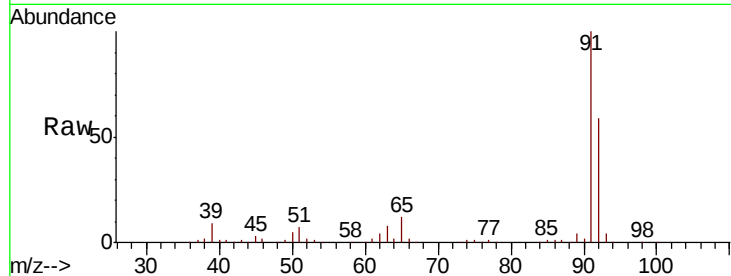
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 91 Resp: 421683

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

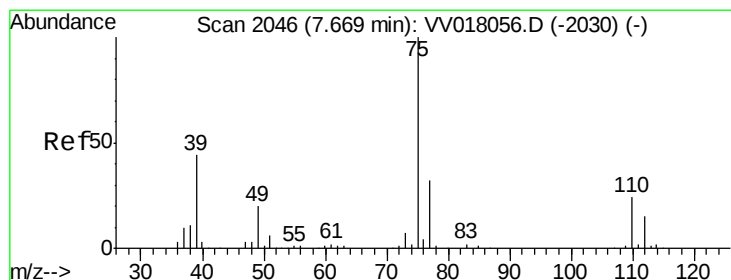
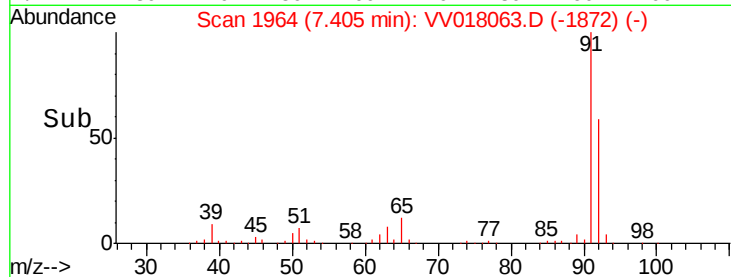
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.552 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018063.D

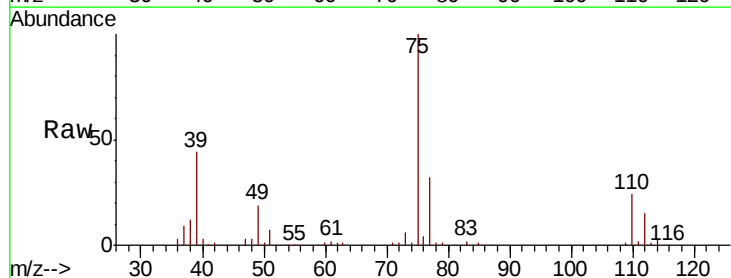
Acq: 19 Aug 2020 15:39

Tgt Ion: 75 Resp: 158065

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

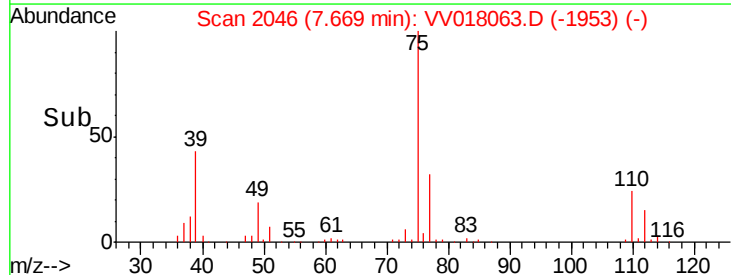
60000

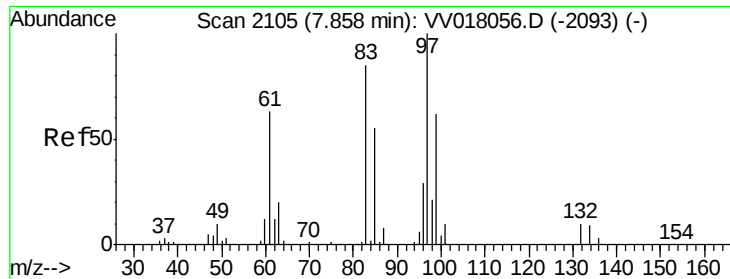
40000

20000

0

Time-->

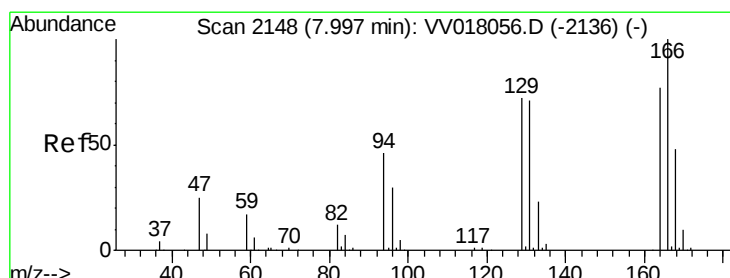
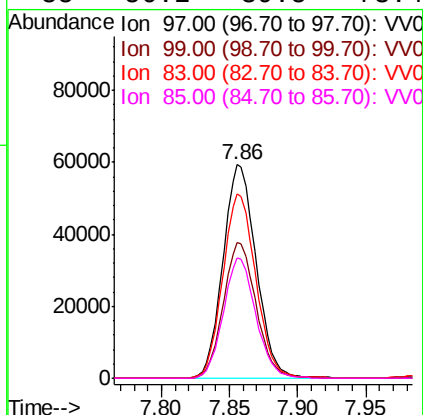
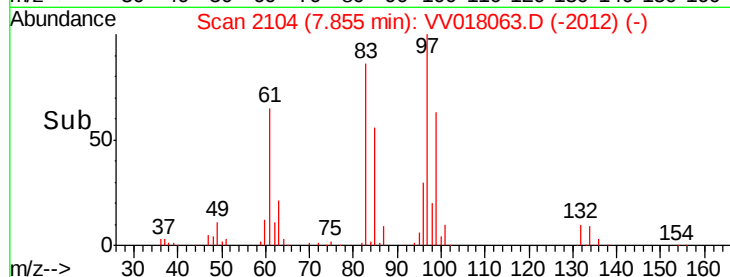
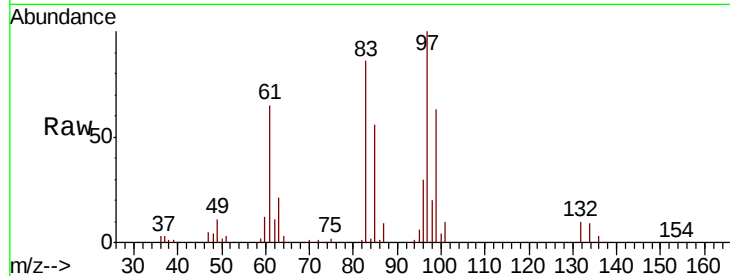




#45
 1,1,2-Trichloroethane
 Concen: 43.812 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

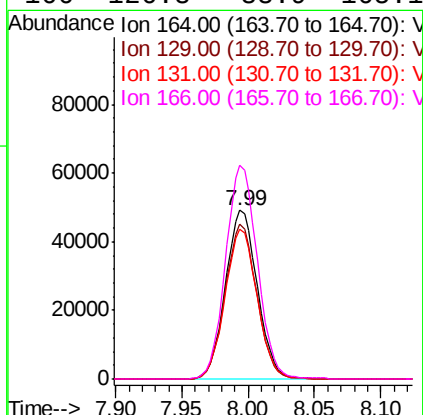
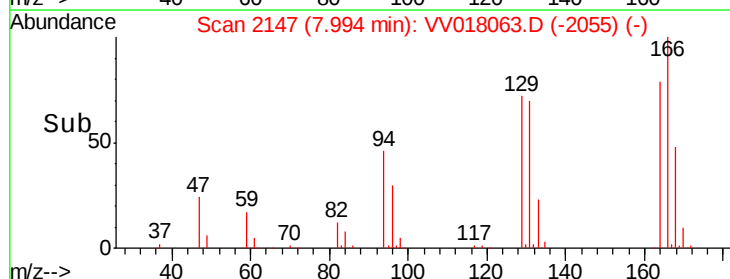
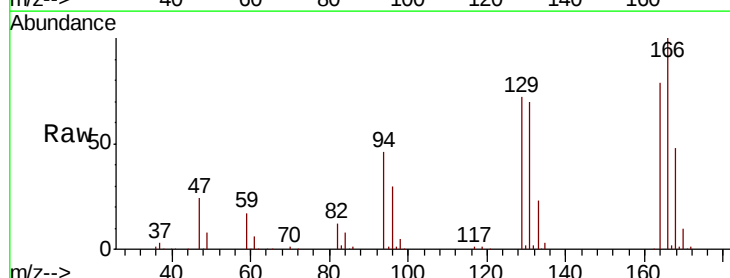
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

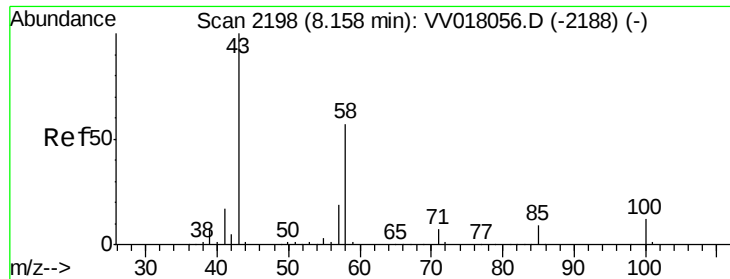
Tot Ion:	97	Resp:	100268
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.2	82.2
83	86.2	61.0	113.4
85	56.2	39.5	73.4



#46
 Tetrachloroethene
 Concen: 46.822 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Tgt Ion:	164	Resp:	82253
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.8	120.3
131	88.9	64.5	119.9
166	126.8	88.9	165.1

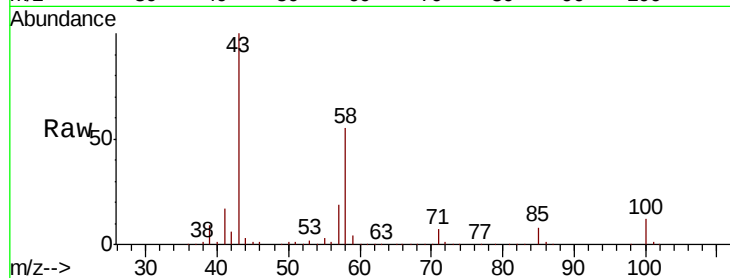




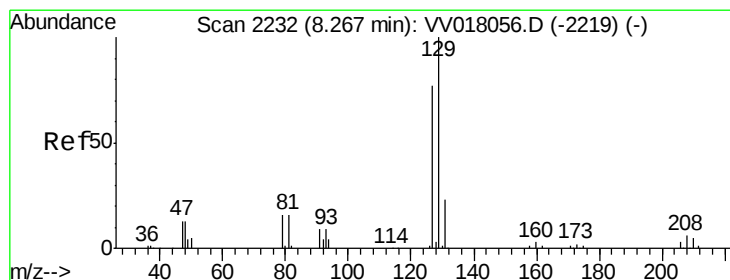
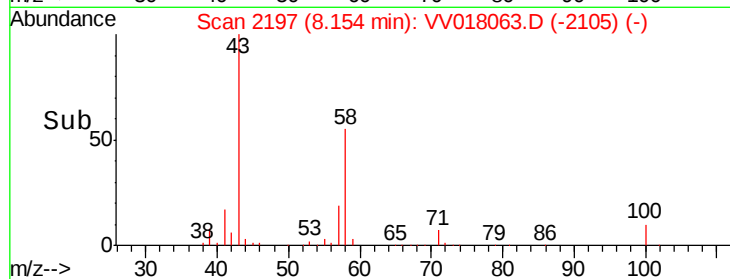
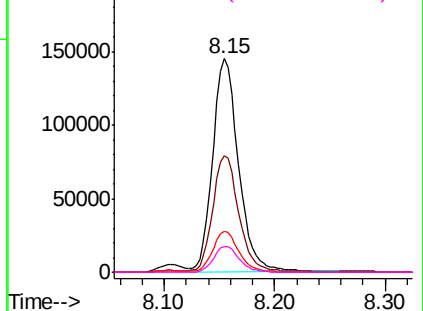
#48
2-Hexanone
Concen: 90.282 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 43 Resp: 235195
Ion Ratio Lower Upper
43 100
58 55.4 44.4 66.6
57 19.4 15.2 22.8
100 12.2 9.8 14.6

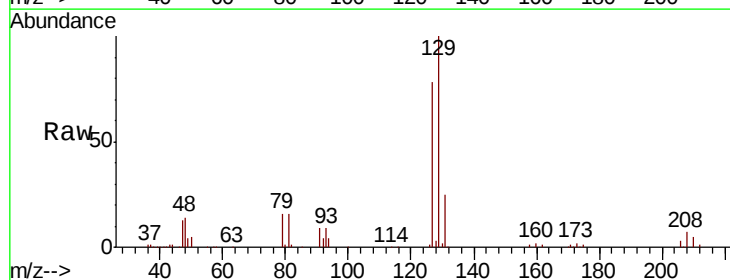


Abundance Ion 43.00 (42.70 to 43.70): VV018056.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018056.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018056.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018056.D (-2188) (-)

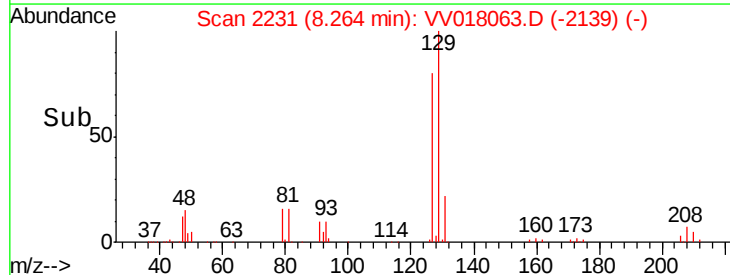
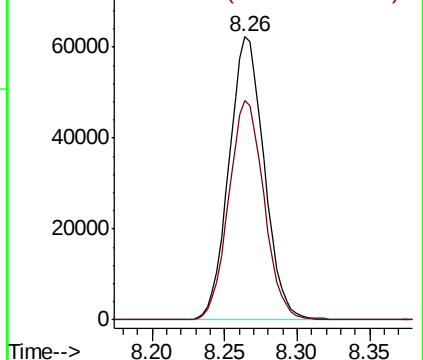


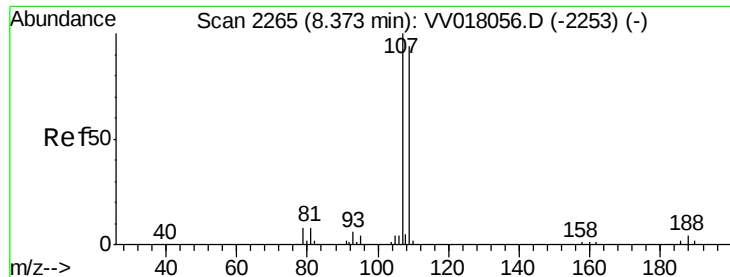
#49
Dibromochloromethane
Concen: 46.897 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

Tgt Ion: 129 Resp: 104761
Ion Ratio Lower Upper
129 100
127 77.5 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018056.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018056.D (-2219) (-)

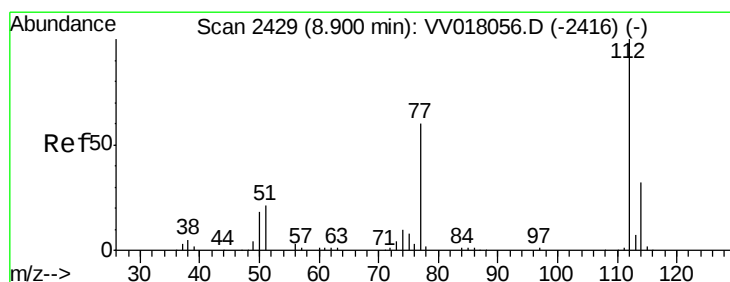
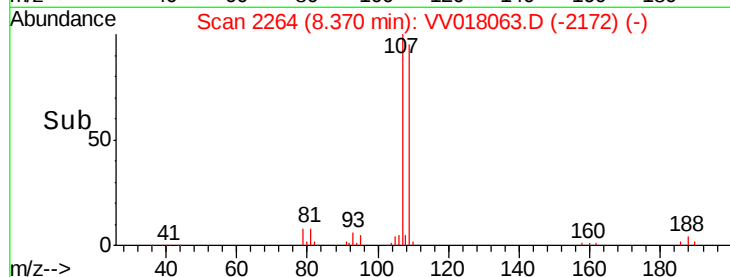
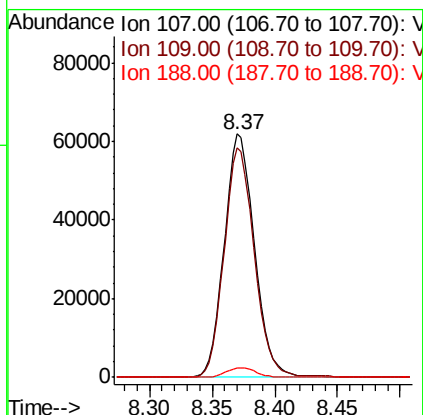
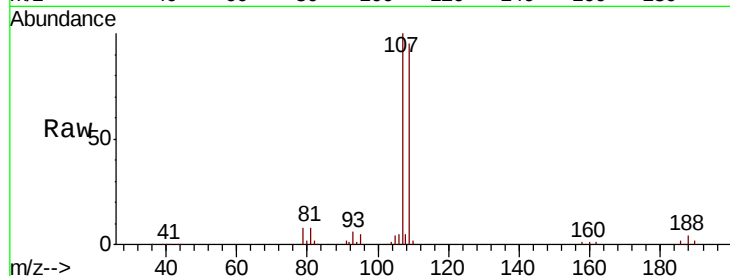




#50
 1,2-Dibromoethane
 Concen: 43.712 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

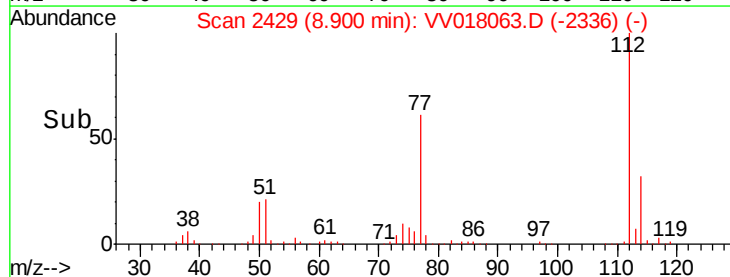
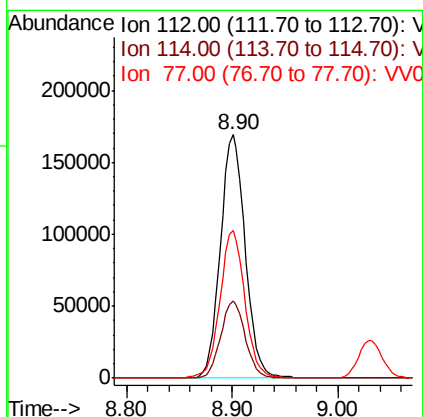
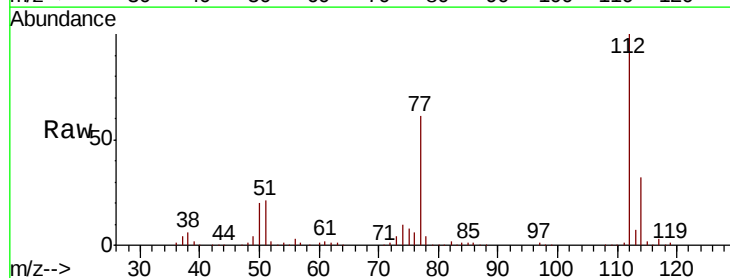
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

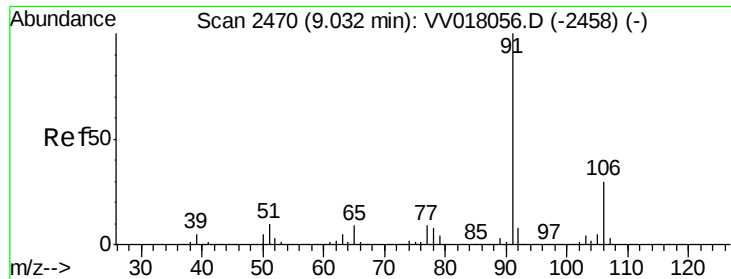
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	67.5	125.4
188	4.0	3.4	5.0



#51
 Chlorobenzene
 Concen: 45.204 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.3
77	60.7	49.4	74.2





#52

Ethylbenzene

Concen: 45.329 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

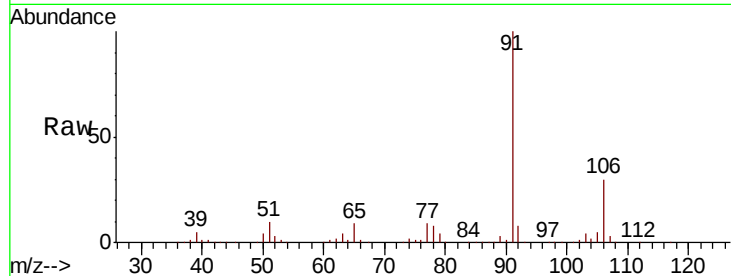
VSTD05076

Tot Ion: 91 Resp: 467359

Ion Ratio Lower Upper

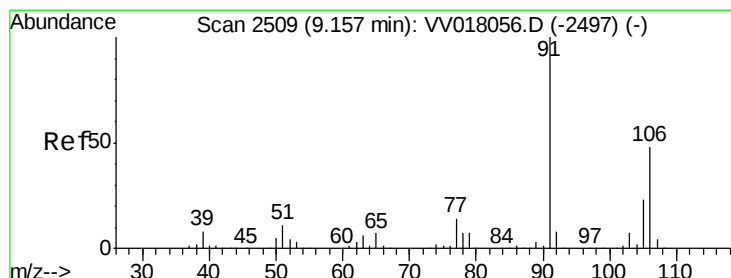
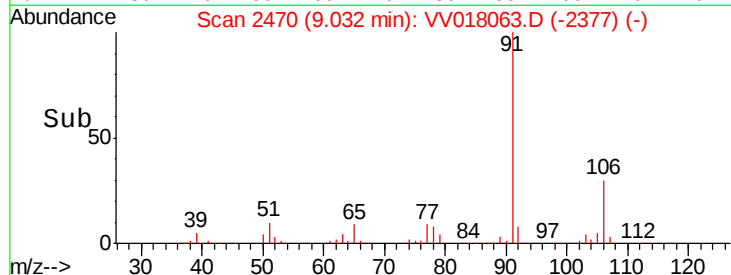
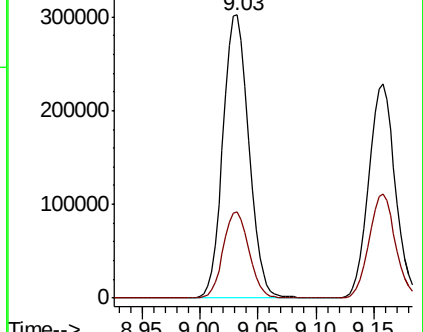
91 100

106 30.3 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018063.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018063.D (-2377) (-)



#53

m,p-Xylene

Concen: 46.260 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018063.D

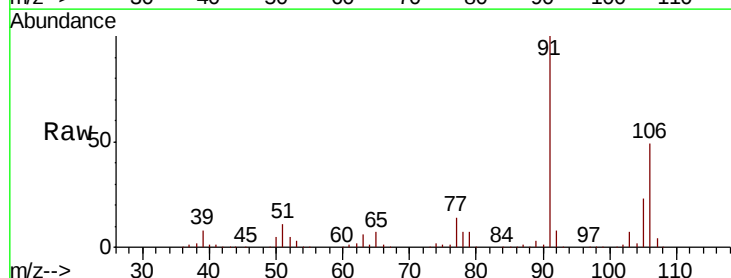
Acq: 19 Aug 2020 15:39

Tgt Ion: 106 Resp: 175422

Ion Ratio Lower Upper

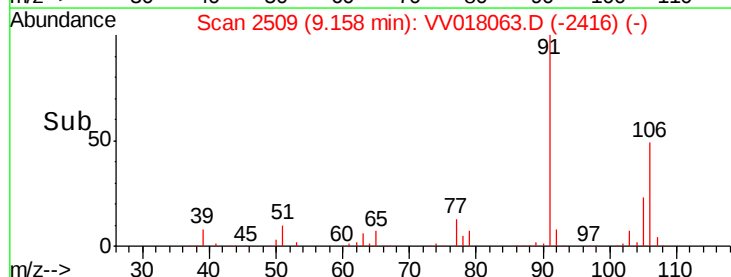
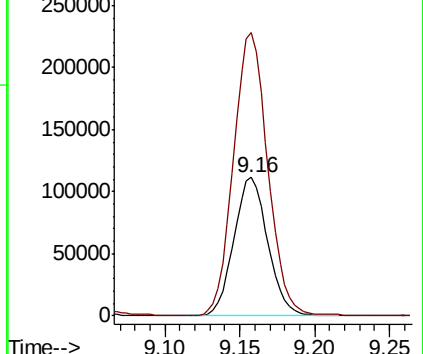
106 100

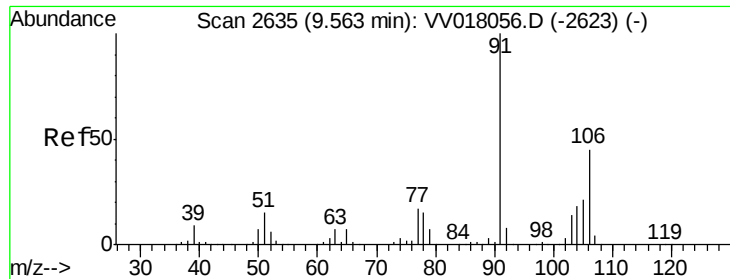
91 204.7 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018063.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018063.D (-2416) (-)

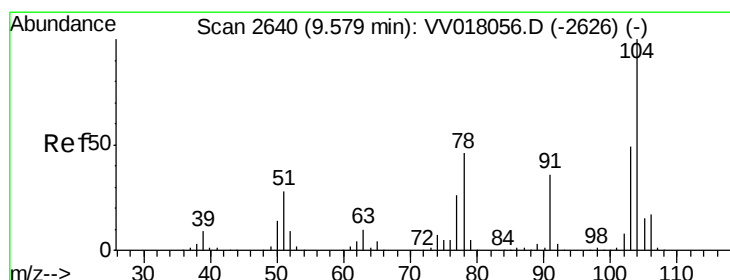
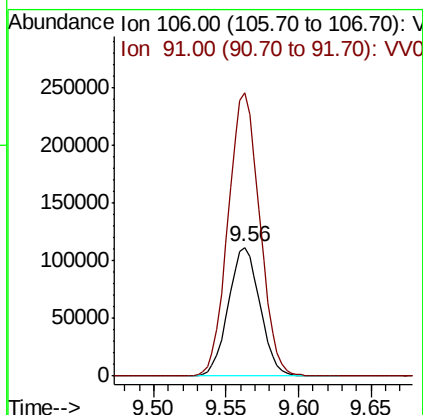
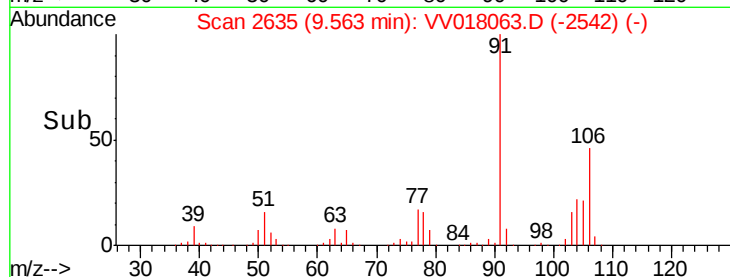
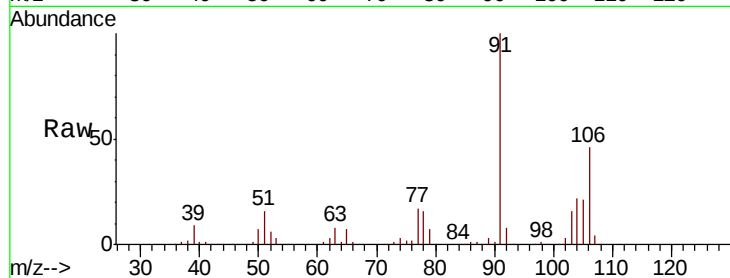




#54
o-xylene
Concen: 45.094 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

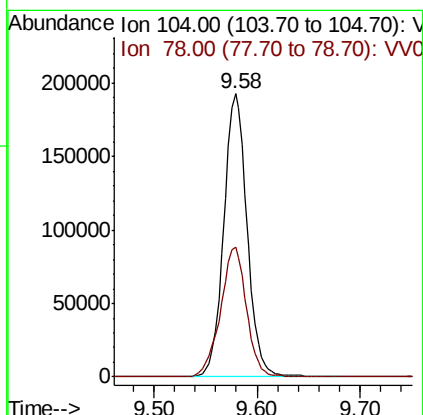
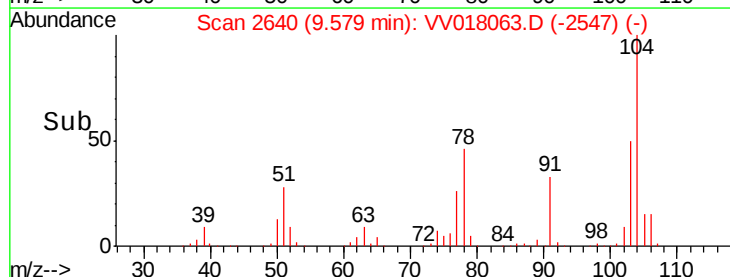
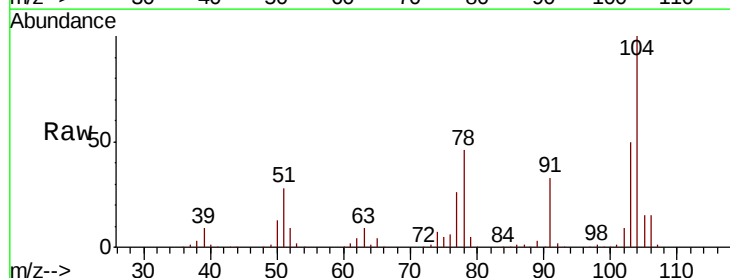
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

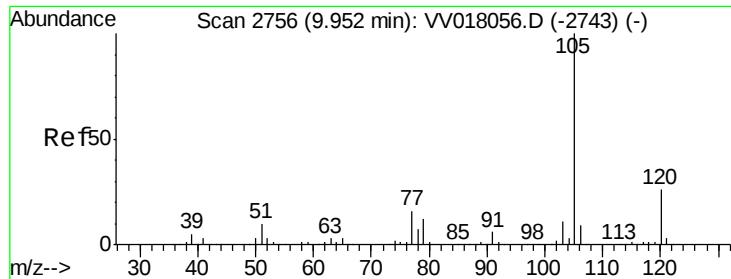
Tot Ion:106 Resp: 168989
Ion Ratio Lower Upper
106 100
91 219.2 156.0 289.8



#55
Styrene
Concen: 47.500 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018063.D
Acq: 19 Aug 2020 15:39

Tgt Ion:104 Resp: 304830
Ion Ratio Lower Upper
104 100
78 45.7 32.2 59.8





#56

Isopropylbenzene

Concen: 46.251 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

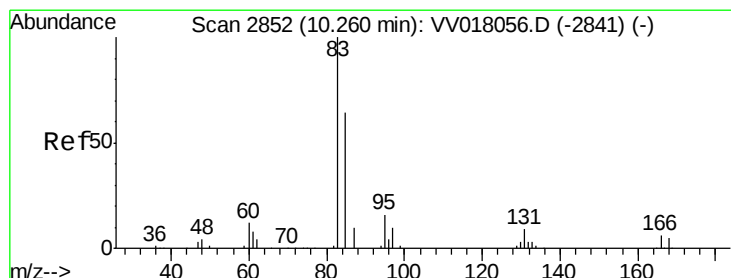
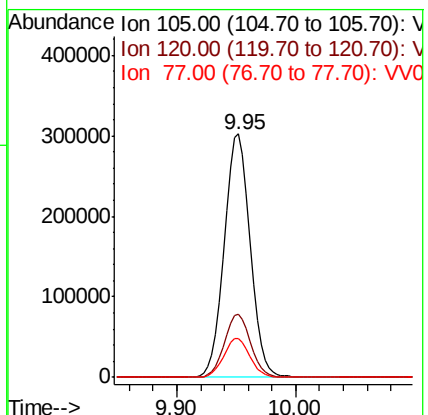
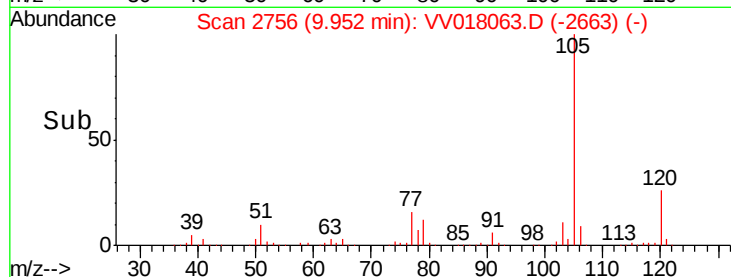
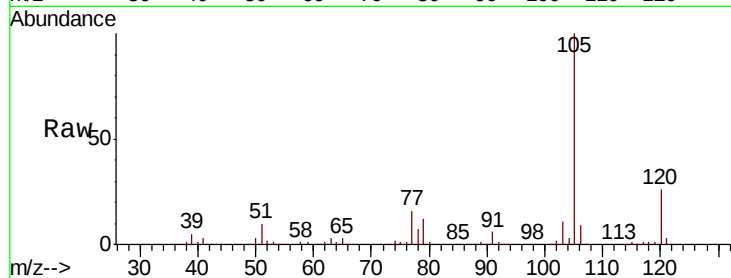
Tot Ion:105 Resp: 457245

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.1 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 41.863 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

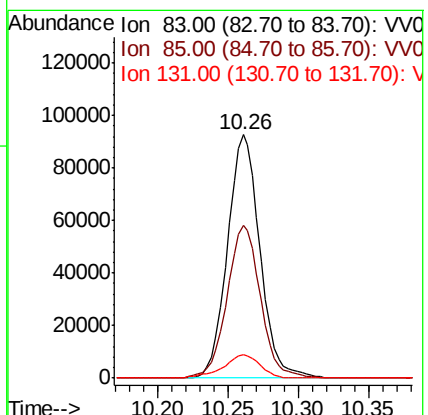
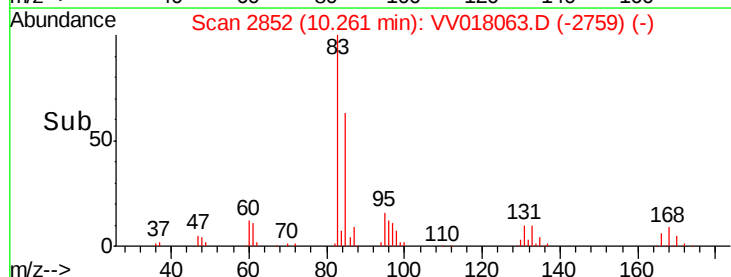
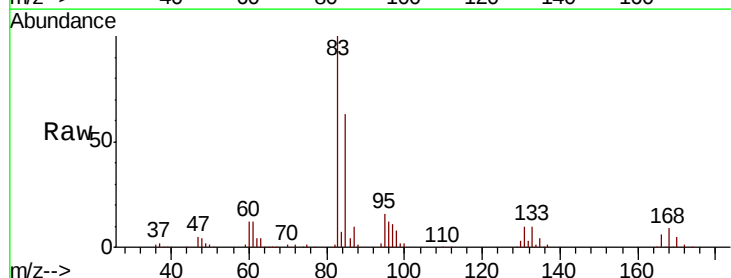
Tgt Ion: 83 Resp: 149194

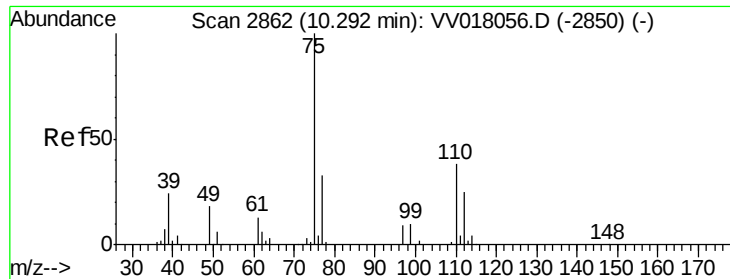
Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.7

131 9.7 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 42.162 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

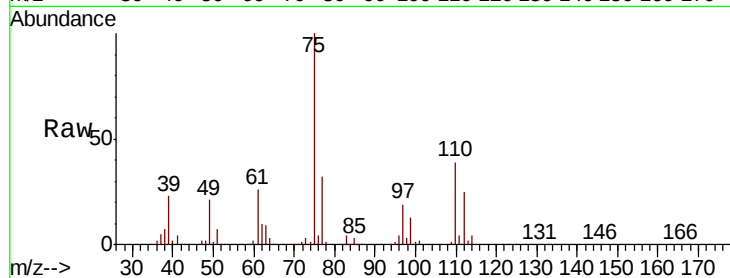
VSTD05076

Tot Ion: 75 Resp: 128682

Ion Ratio Lower Upper

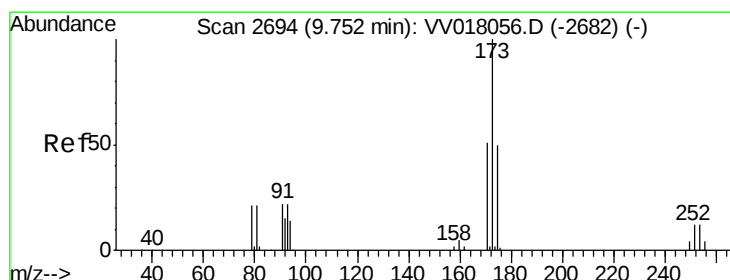
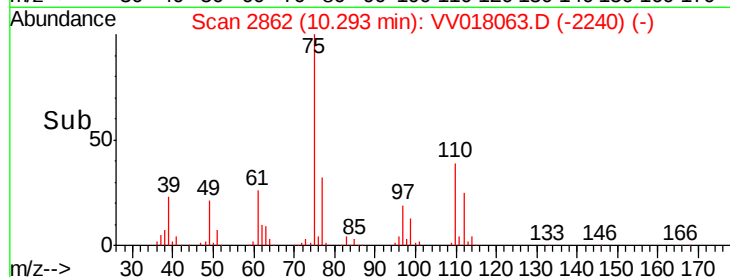
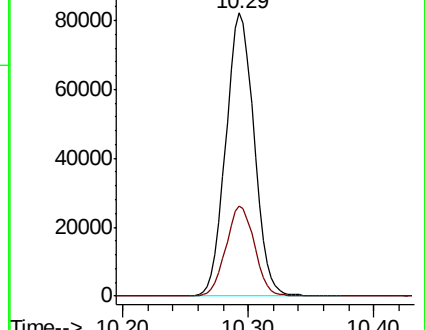
75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV018056.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018056.D (-2850) (-)



#61

Bromoform

Concen: 46.772 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

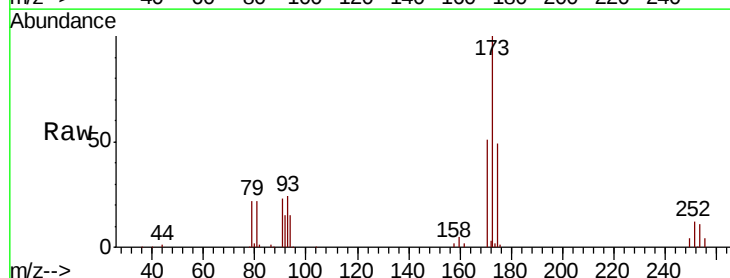
Tgt Ion: 173 Resp: 71576

Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

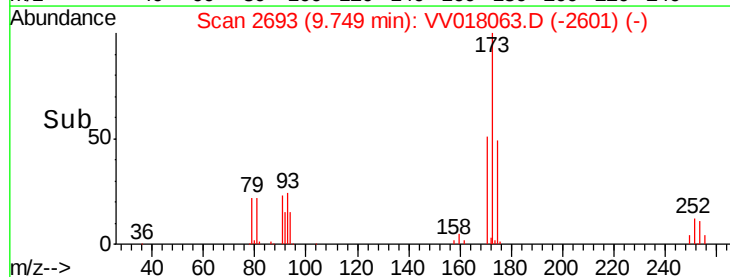
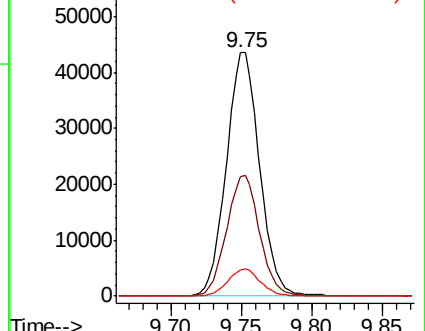
254 11.0 8.4 12.6

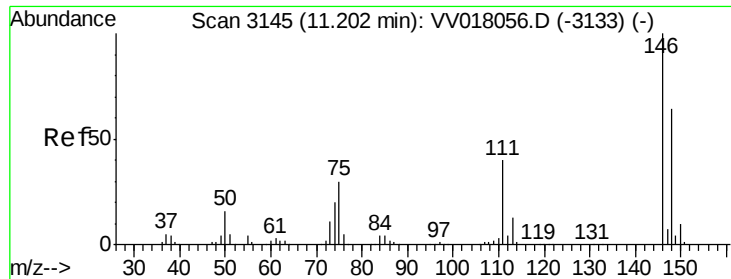


Abundance Ion 173.00 (172.70 to 173.70): VV018056.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018056.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018056.D (-2682) (-)

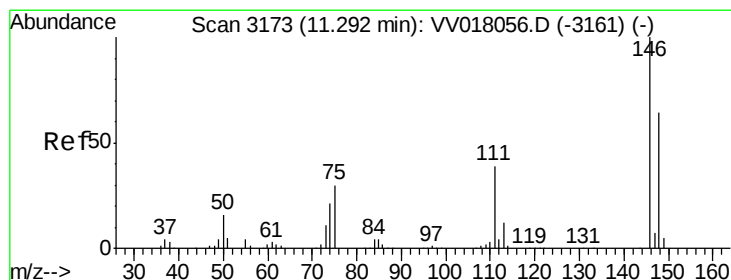
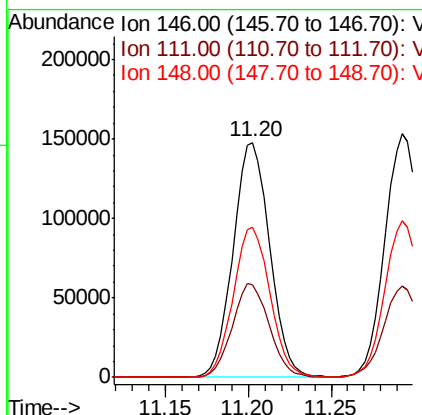
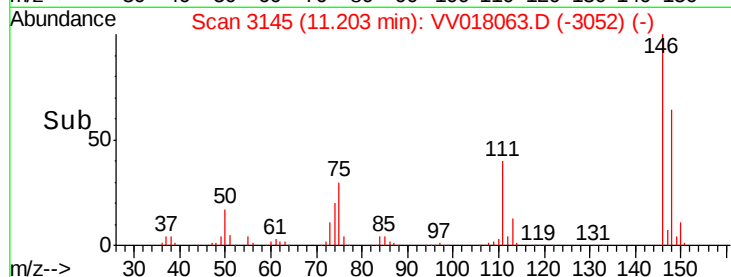
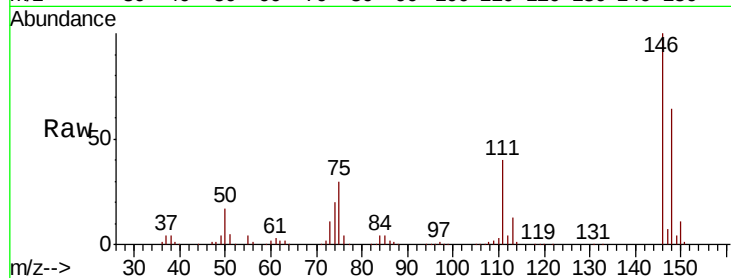




#62
 1,3-Dichlorobenzene
 Concen: 44.322 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

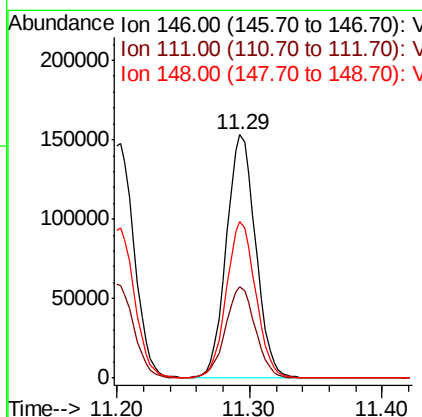
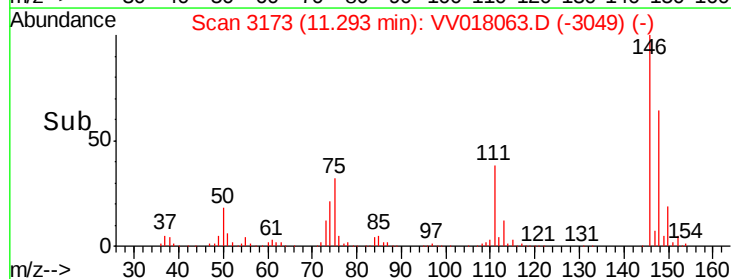
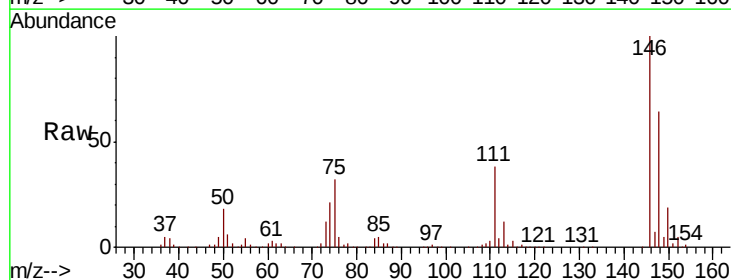
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

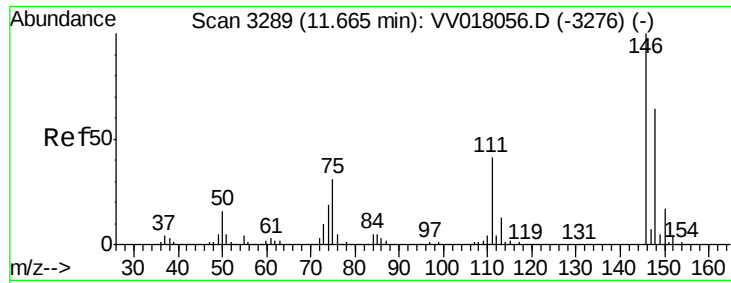
Tot Ion:146 Resp: 227949
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.8 53.4
 148 63.9 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 44.426 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Tgt Ion:146 Resp: 234718
 Ion Ratio Lower Upper
 146 100
 111 37.7 28.0 52.0
 148 64.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 43.007 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

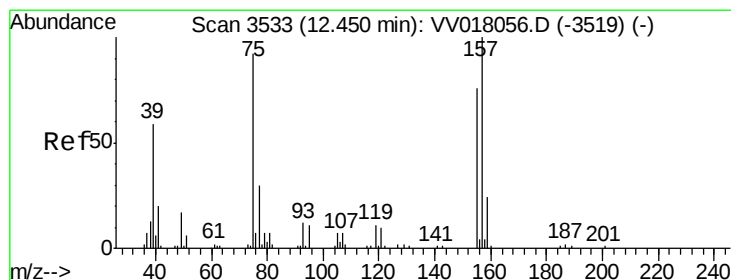
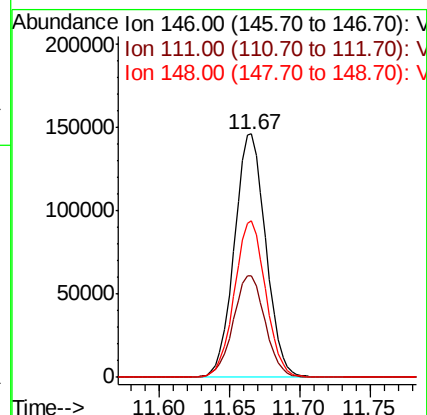
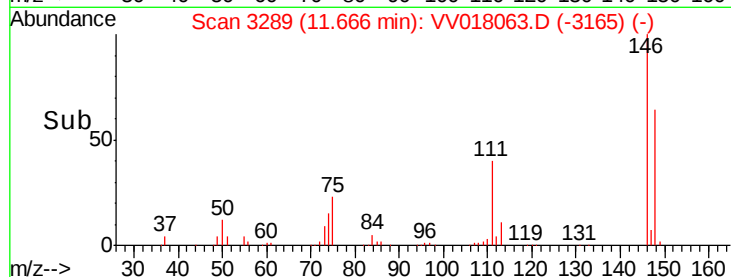
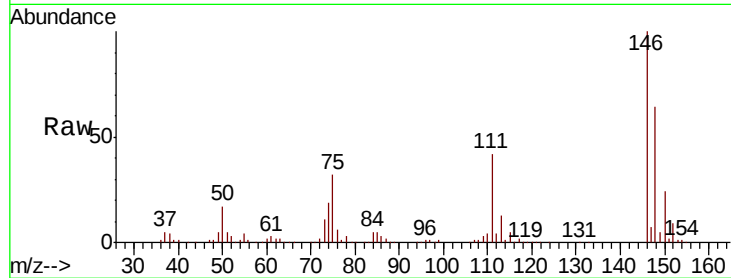
Tot Ion:146 Resp: 227662

Ion Ratio Lower Upper

146 100

111 41.6 34.2 51.4

148 64.1 50.6 76.0



#66

1,2-Dibromo-3-chloropropane

Concen: 40.633 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

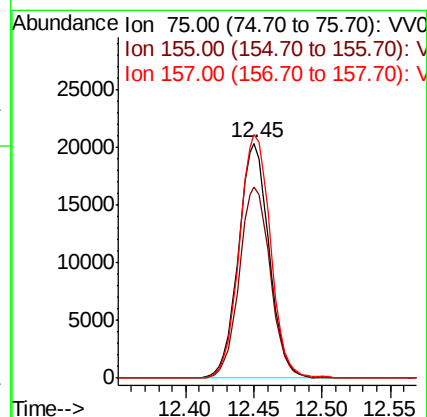
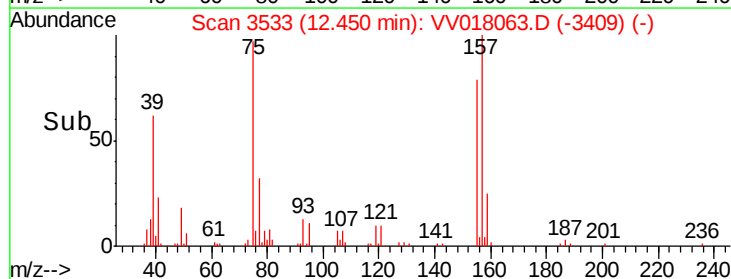
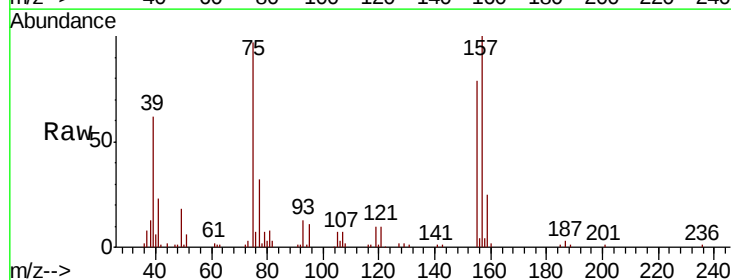
Tgt Ion: 75 Resp: 31691

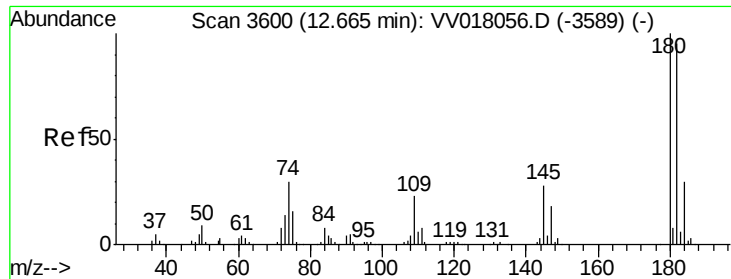
Ion Ratio Lower Upper

75 100

155 81.5 67.6 101.4

157 103.5 84.3 126.5

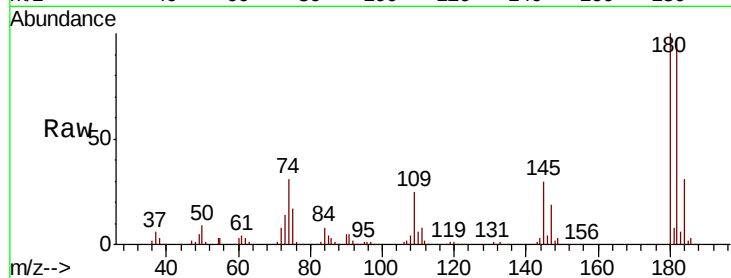




#67
 1,3,5-Trichlorobenzene
 Concen: 46.031 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.2	115.8
184	31.0	24.6	36.8
145	29.4	23.5	35.3



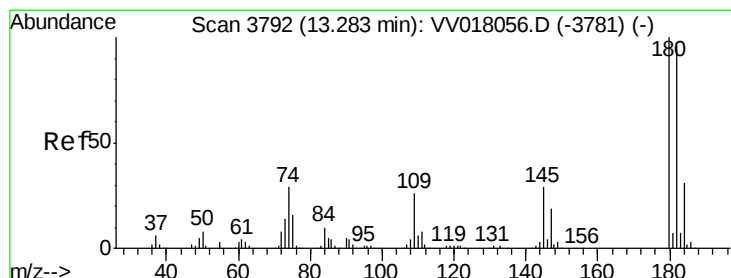
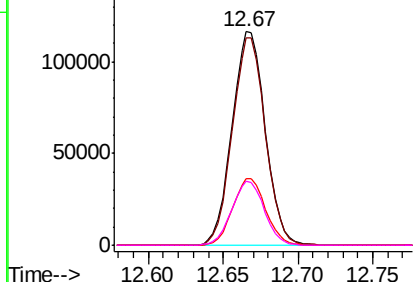
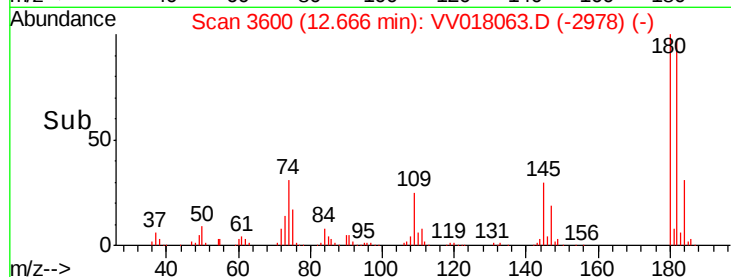
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

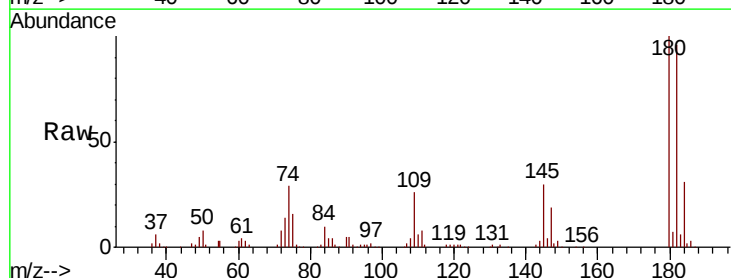
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.659 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018063.D
 Acq: 19 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.4	114.6
145	29.6	24.0	36.0

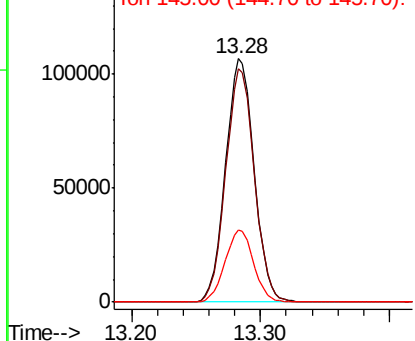
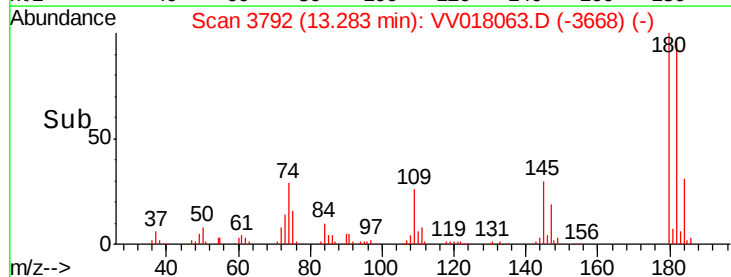


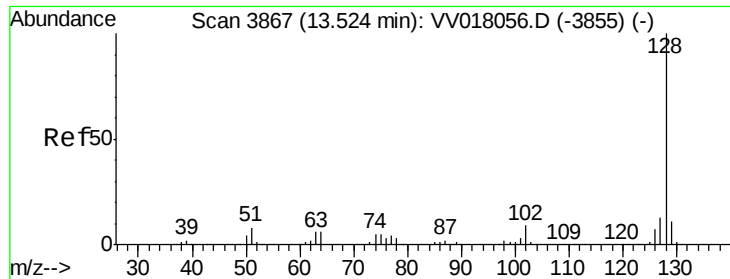
Abundance

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: 44.833 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

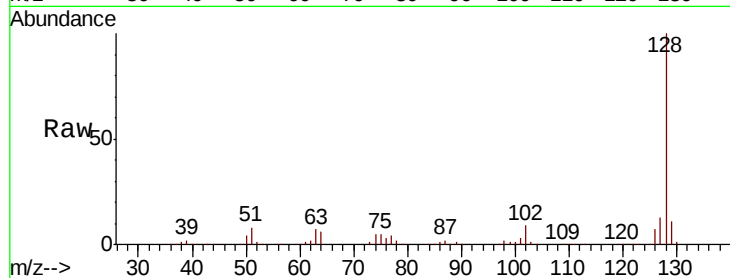
Tot Ion:128 Resp: 424455

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

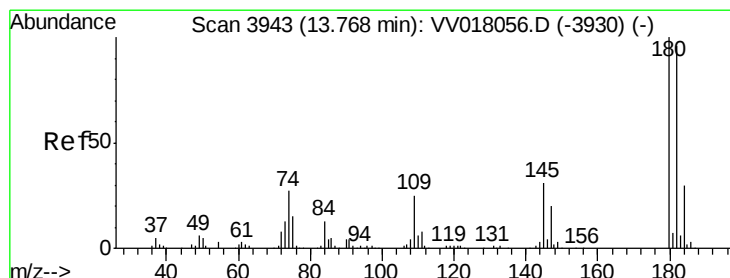
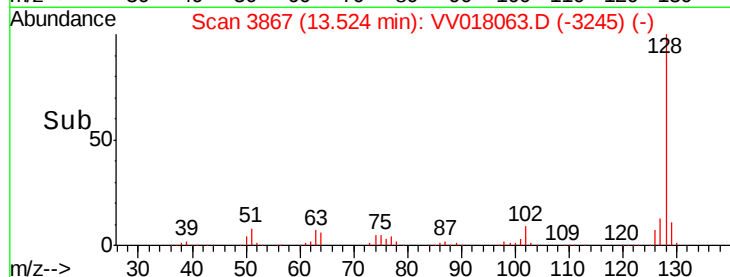
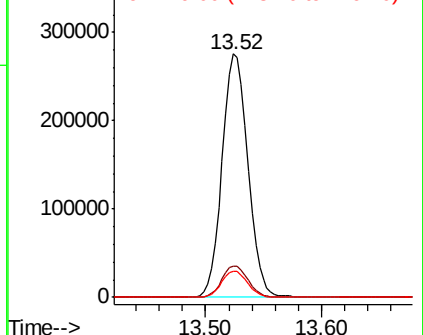
129 10.8 8.7 13.1



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: 46.952 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018063.D

Acq: 19 Aug 2020 15:39

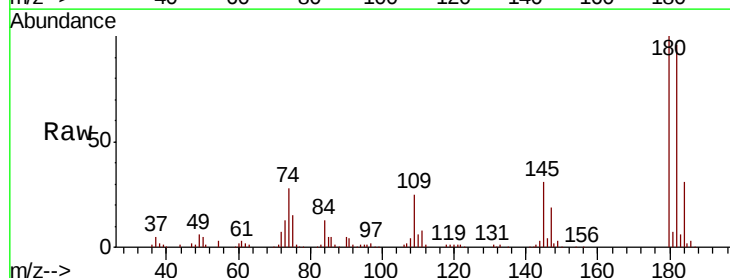
Tgt Ion:180 Resp: 164010

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 31.3 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

