

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018011.D
 Acq On : 14 Aug 2020 20:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Aug 17 01:40:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	259060	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254705	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137974	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97137	49.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.28%
7) Chloroethane-d5	1.58	69	80680	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.78%
11) 1,1-Dichloroethene-d2	2.12	63	189779	50.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.38%
21) 2-Butanone-d5	3.91	46	124285	96.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.00%
24) Chloroform-d	4.38	84	177596	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.06	65	116757	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
32) Benzene-d6	5.08	84	349444	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.09	67	112049	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.66%
41) Toluene-d8	7.34	98	320720	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%
43) trans-1,3-Dichloropropene-	7.64	79	52201	50.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.30%
47) 2-Hexanone-d5	8.11	63	71050	96.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	144712	48.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	130579	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	95530	47.764	ug/L 99
3) Chloromethane	1.25	50	111353	47.929	ug/L 99
5) Vinyl chloride	1.32	62	116317	50.531	ug/L 98
6) Bromomethane	1.53	94	59868	43.516	ug/L 100
8) Chloroethane	1.60	64	74397	50.637	ug/L 100
9) Trichlorofluoromethane	1.76	101	161380	49.079	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	90968	49.547	ug/L 98
12) 1,1-Dichloroethene	2.13	96	88960	51.192	ug/L 98
13) Acetone	2.19	43	96447	72.128	ug/L 99
14) Carbon disulfide	2.31	76	248029	51.858	ug/L 100
15) Methyl Acetate	2.45	43	110140	51.040	ug/L 100
16) Methylene chloride	2.52	84	105232	47.533	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	92471	51.766	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	305190	51.660	ug/L 99
19) 1,1-Dichloroethane	3.21	63	184974	51.498	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	124017	63.177	ug/L 100
22) 2-Butanone	4.00	43	145541	97.022	ug/L 99

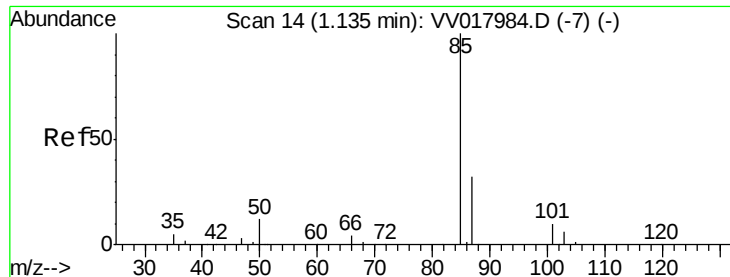
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
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 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	54225	52.878	ug/L	97
25) Chloroform	4.40	83	188871	51.554	ug/L	100
27) 1,2-Dichloroethane	5.15	62	151576	51.980	ug/L	99
29) Cyclohexane	4.70	56	153133	49.814	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	160075	51.285	ug/L	99
31) Carbon tetrachloride	4.86	117	135282	52.064	ug/L	100
33) Benzene	5.13	78	403008	51.142	ug/L	100
34) Trichloroethene	5.94	95	115766	55.578	ug/L	99
35) Methylcyclohexane	6.15	83	153161	49.450	ug/L	100
37) 1,2-Dichloropropane	6.20	63	109799	51.093	ug/L	100
38) Bromodichloromethane	6.53	83	138267	51.799	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	158319	51.968	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	291020	103.591	ug/L	100
42) Toluene	7.41	91	431839	52.517	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	152501	52.759	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	101801	51.152	ug/L	99
46) Tetrachloroethene	8.00	164	80163	52.476	ug/L	99
48) 2-Hexanone	8.16	43	224578	99.134	ug/L	99
49) Dibromochloromethane	8.27	129	104917	54.010	ug/L	98
50) 1,2-Dibromoethane	8.37	107	106016	51.487	ug/L	99
51) Chlorobenzene	8.90	112	274596	51.923	ug/L	99
52) Ethylbenzene	9.03	91	468912	52.300	ug/L	99
53) m,p-Xylene	9.16	106	176743	53.597	ug/L	98
54) o-xylene	9.56	106	169916	52.141	ug/L	97
55) Styrene	9.58	104	305383	54.722	ug/L	100
56) Isopropylbenzene	9.95	105	457548	53.222	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	154187	49.753	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	133688	50.371	ug/L	100
61) Bromoform	9.75	173	69501	53.236	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	223835	51.017	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	229024	50.813	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	225141	49.855	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33390	50.183	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	171477	51.449	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	157660	53.803	ug/L	100
69) Naphthalene	13.52	128	450427	55.769	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	165534	55.549	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.764 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

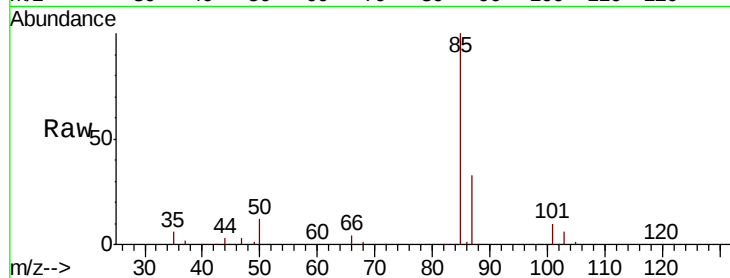
VSTD05070

Tot Ion: 85 Resp: 95530

Ion Ratio Lower Upper

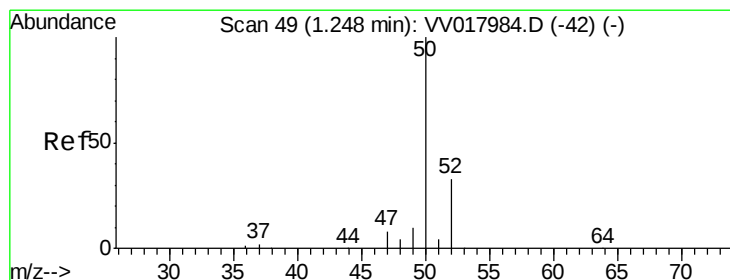
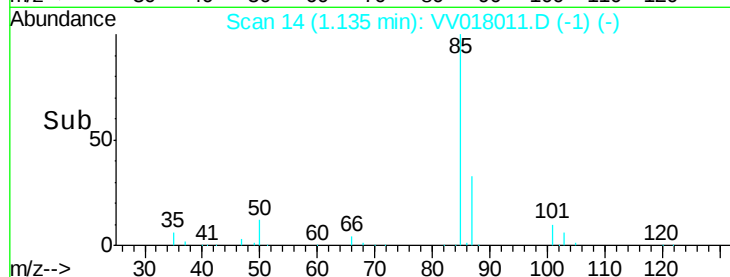
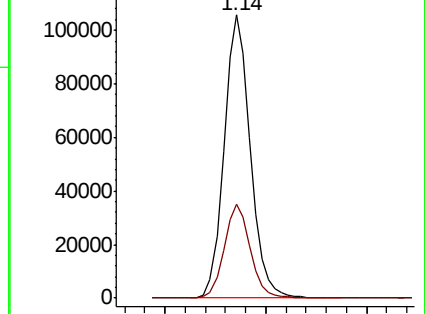
85 100

87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018011.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018011.D (-1) (-)



#3

Chloromethane

Concen: 47.929 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018011.D

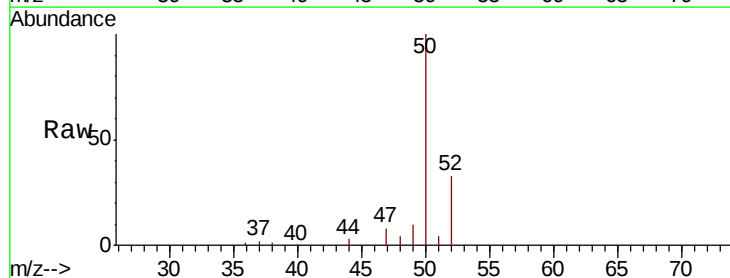
Acq: 14 Aug 2020 20:57

Tgt Ion: 50 Resp: 111353

Ion Ratio Lower Upper

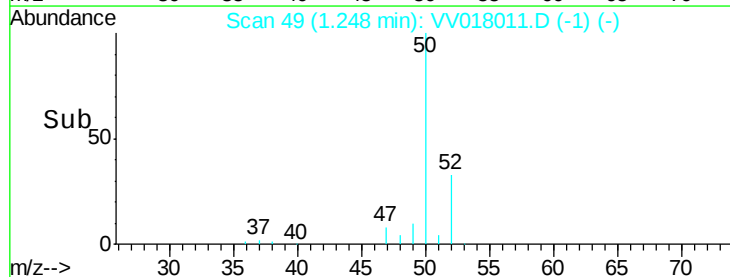
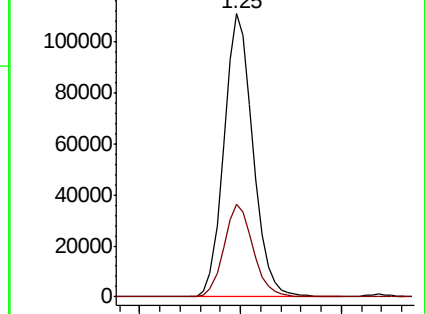
50 100

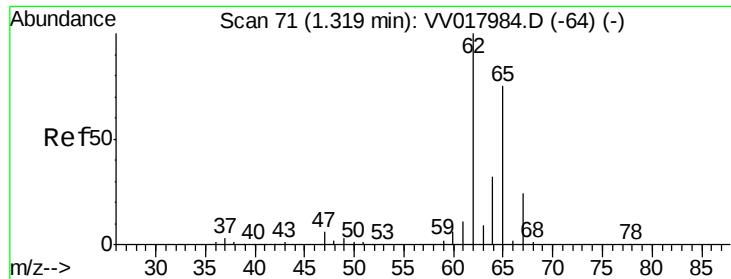
52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018011.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018011.D (-1) (-)

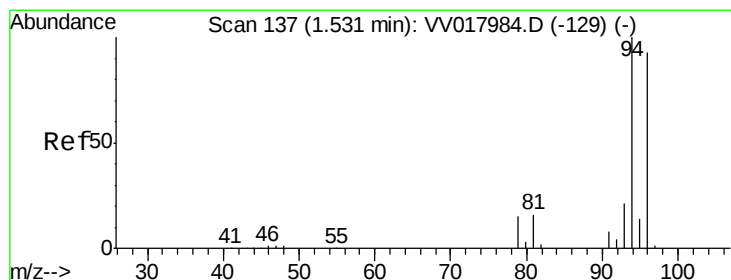
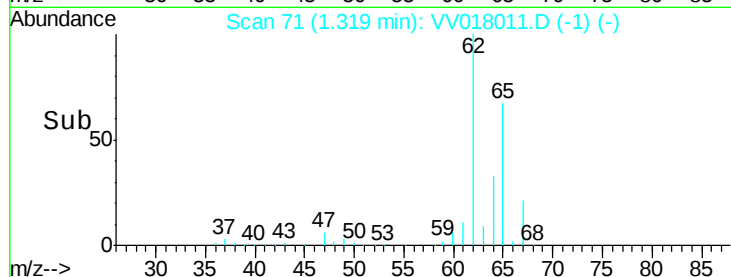
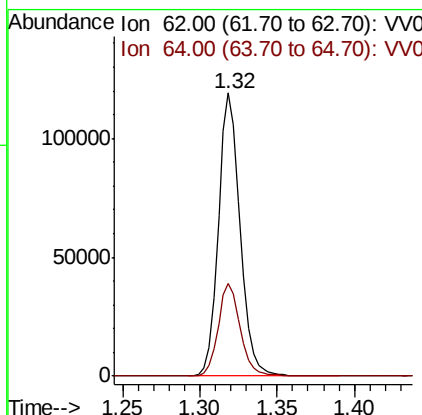
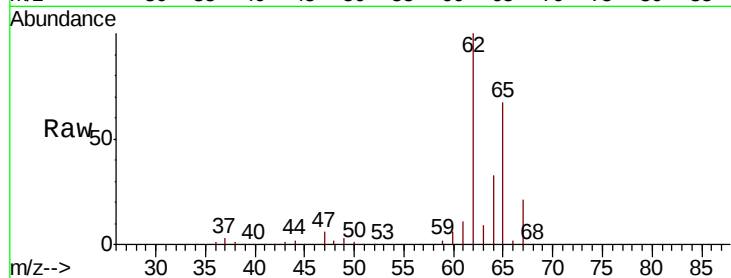




#5
 Vinyl chloride
 Concen: 50.531 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

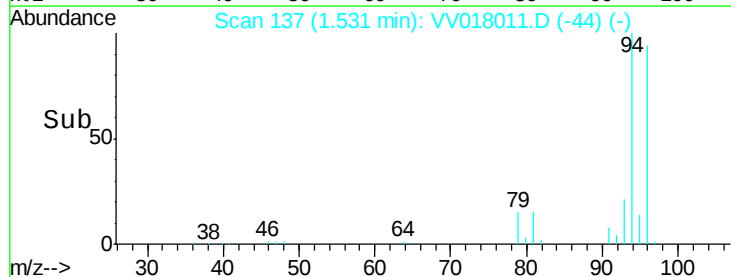
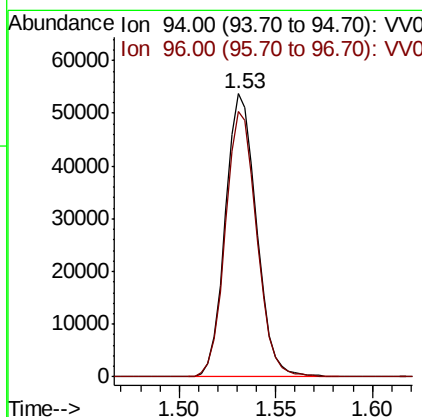
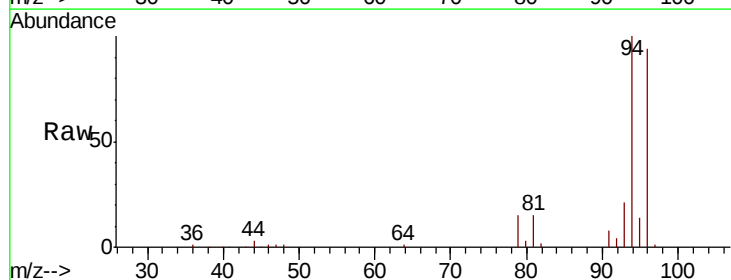
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

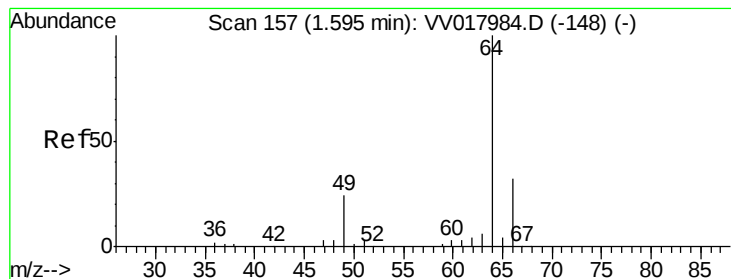
Tot Ion: 62 Resp: 116317
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.4 41.6



#6
 Bromomethane
 Concen: 43.516 ug/L
 RT: 1.53 min Scan# 137
 Delta R.T. -0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

Tgt Ion: 94 Resp: 59868
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.5 121.7





#8

Chloroethane

Concen: 50.637 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

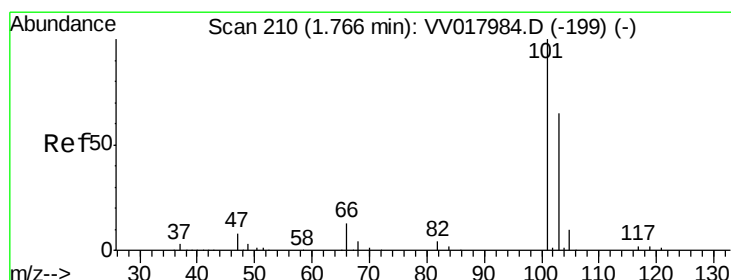
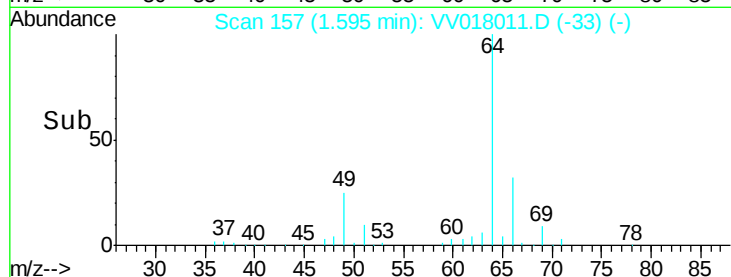
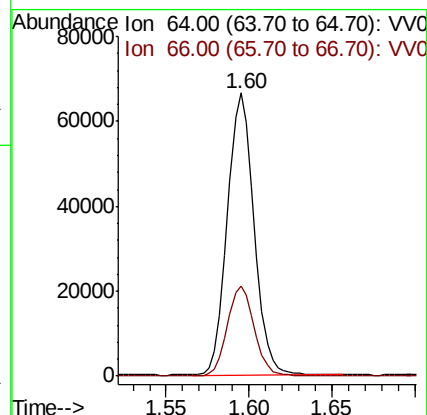
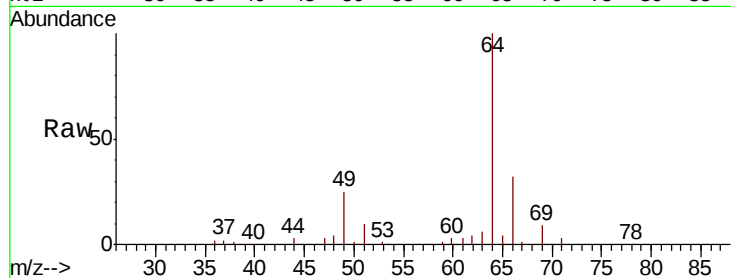
VSTD05070

Tot Ion: 64 Resp: 74397

Ion Ratio Lower Upper

64 100

66 32.0 22.3 41.3



#9

Trichlorofluoromethane

Concen: 49.079 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018011.D

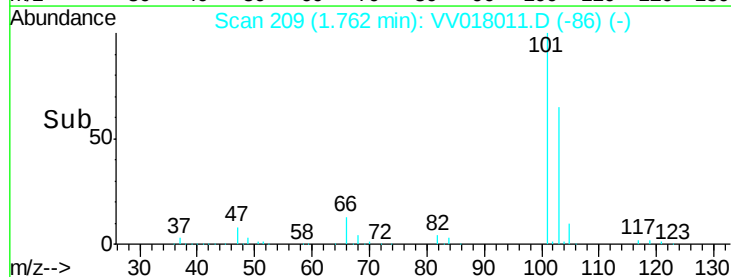
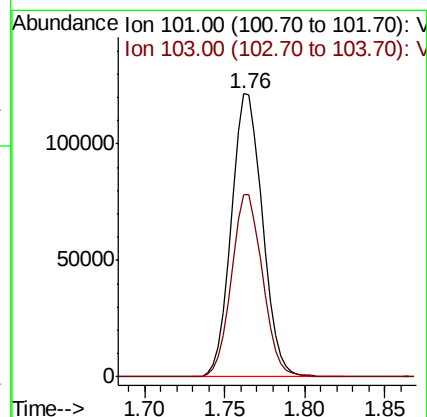
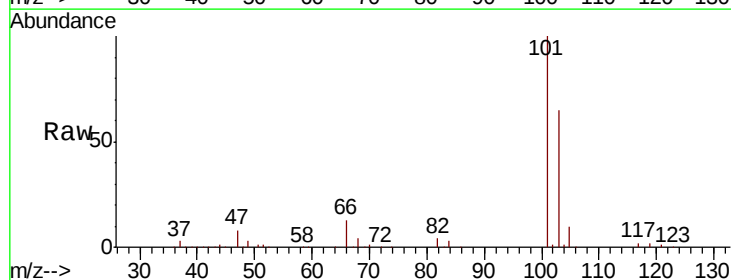
Acq: 14 Aug 2020 20:57

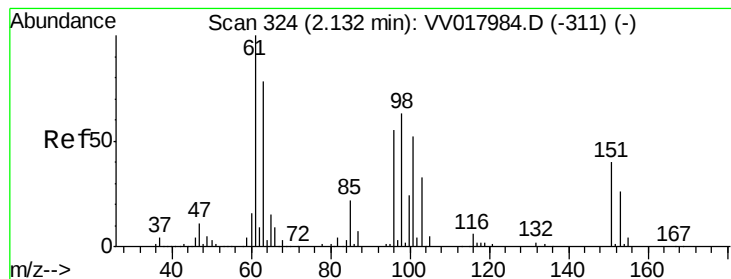
Tgt Ion:101 Resp: 161380

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3





#10

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

Concen: 49.547 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

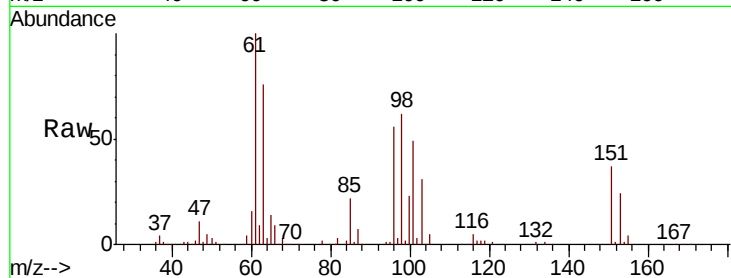
Tot Ion:101 Resp: 90968

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

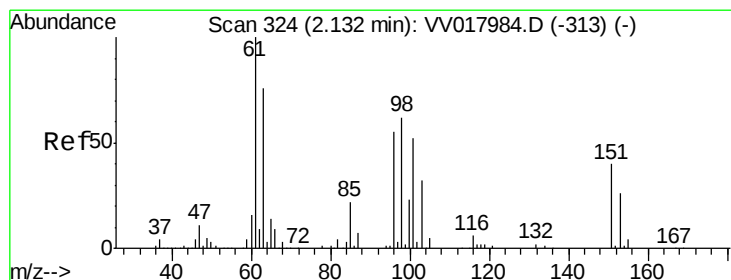
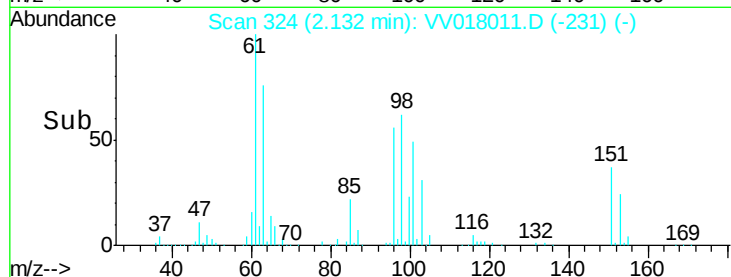
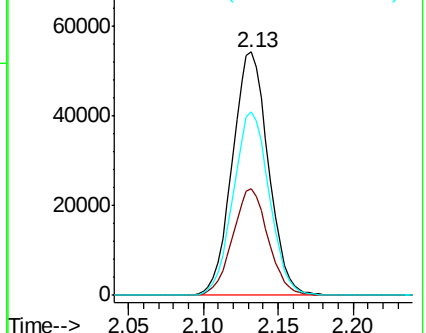
151 75.6 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018011.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018011.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018011.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 51.192 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

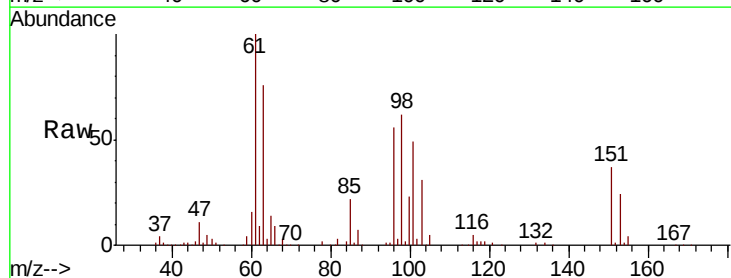
Tgt Ion: 96 Resp: 88960

Ion Ratio Lower Upper

96 100

61 177.3 127.1 236.0

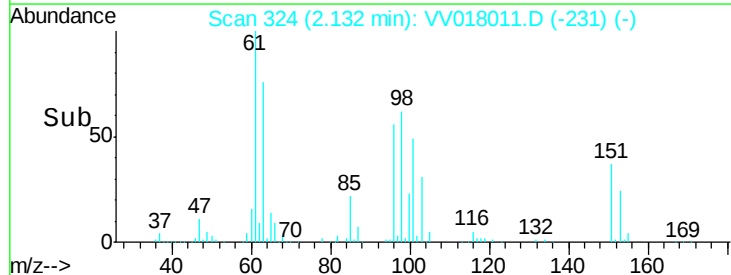
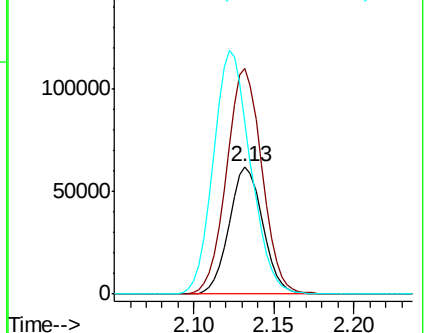
63 134.9 95.2 176.8

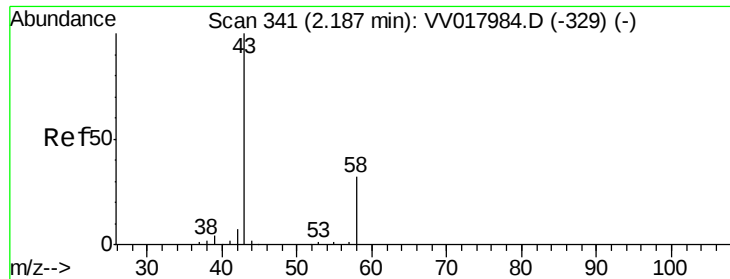


Abundance Ion 96.00 (95.70 to 96.70): VV018011.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018011.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018011.D (-231) (-)





#13

Acetone

Concen: 72.128 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

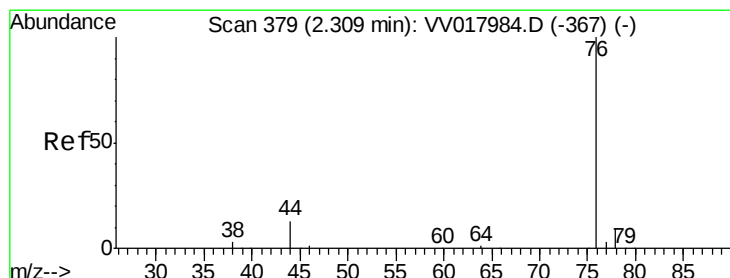
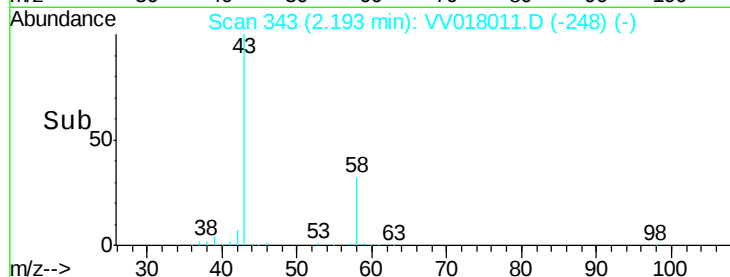
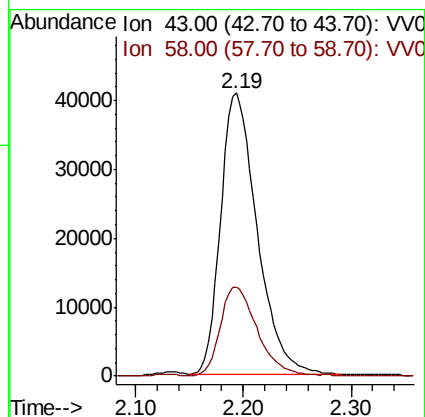
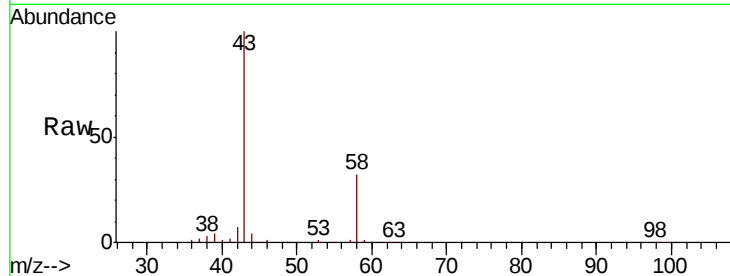
VSTD05070

Tot Ion: 43 Resp: 96447

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



#14

Carbon disulfide

Concen: 51.858 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018011.D

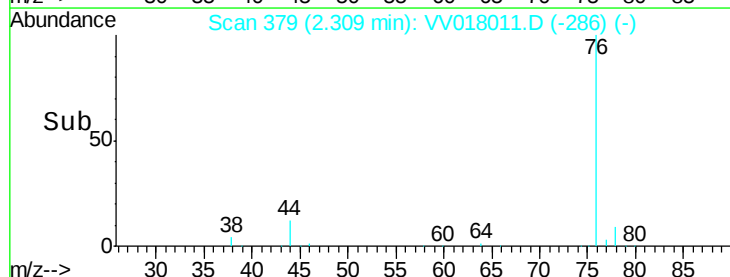
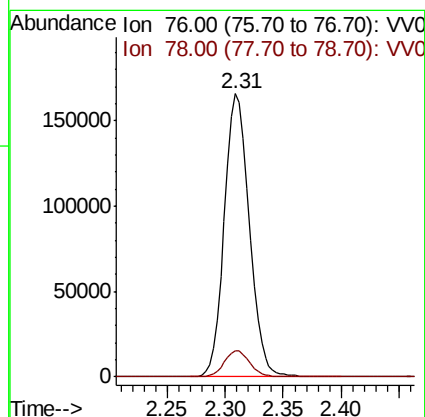
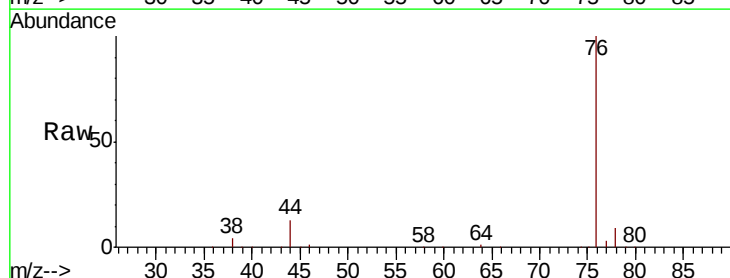
Acq: 14 Aug 2020 20:57

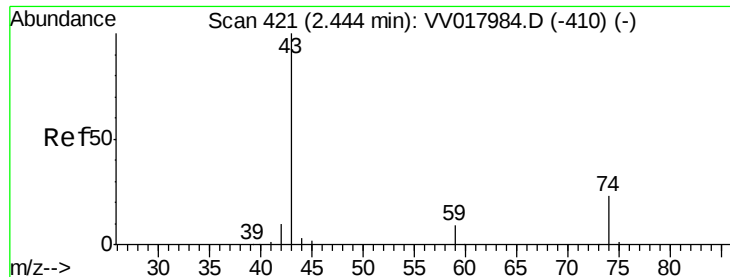
Tgt Ion: 76 Resp: 248029

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

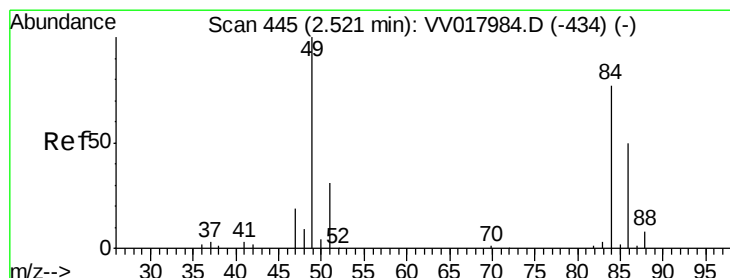
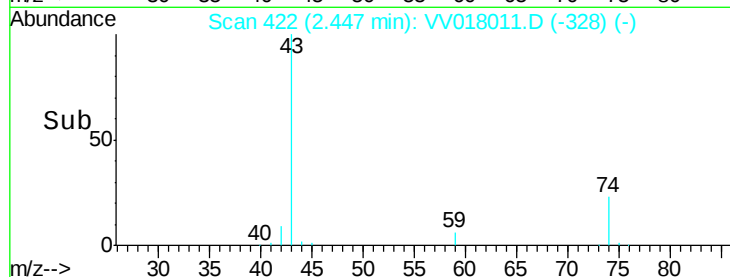
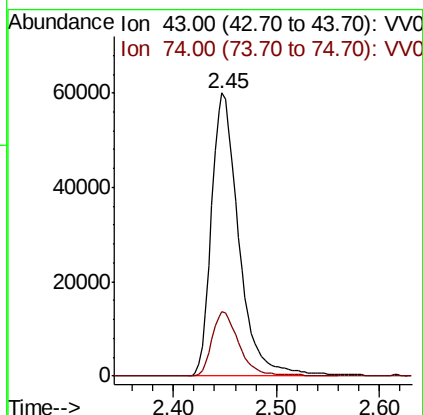
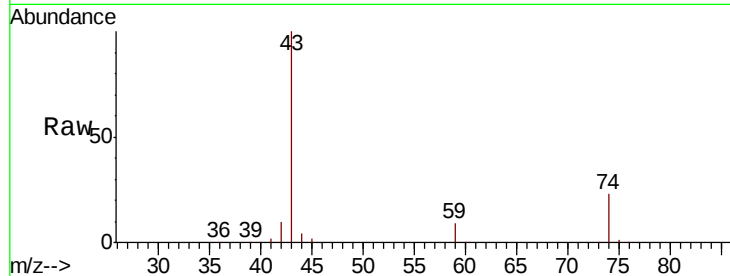




#15
Methvl Acetate
Concen: 51.040 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

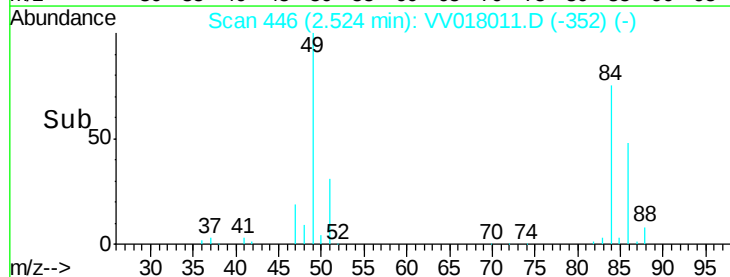
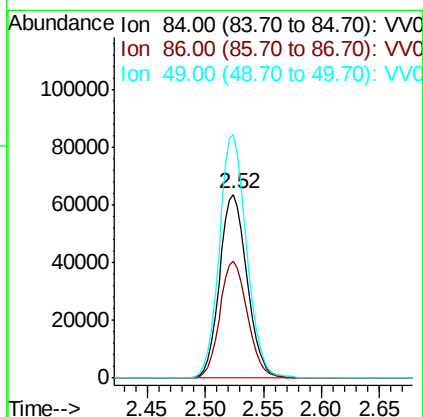
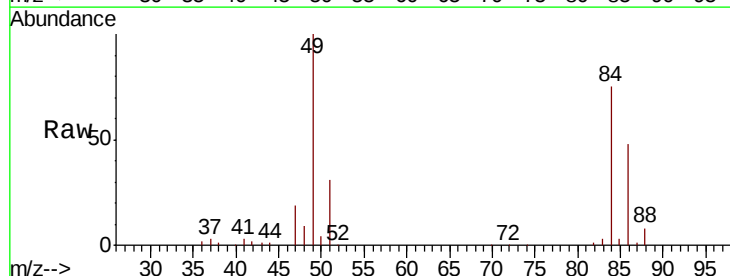
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

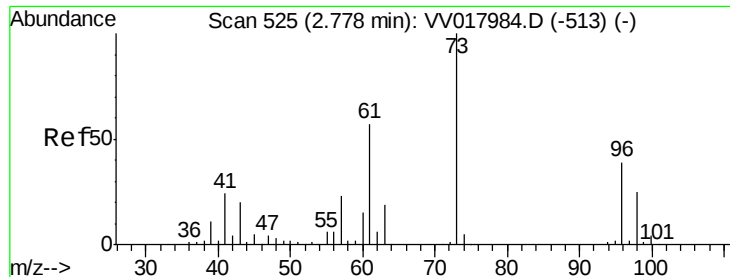
Tot Ion: 43 Resp: 110140
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 47.533 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion: 84 Resp: 105232
Ion Ratio Lower Upper
84 100
86 63.6 46.3 85.9
49 132.7 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 51.766 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

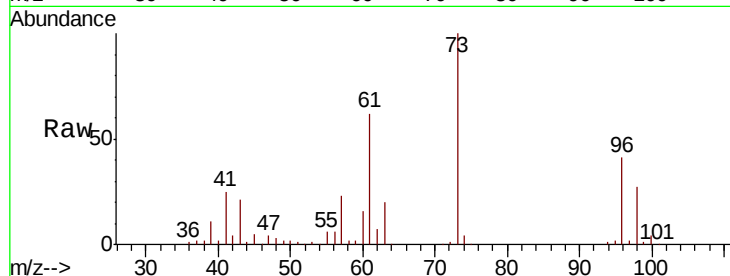
Tot Ion: 96 Resp: 92471

Ion Ratio Lower Upper

96 100

61 151.1 102.4 190.2

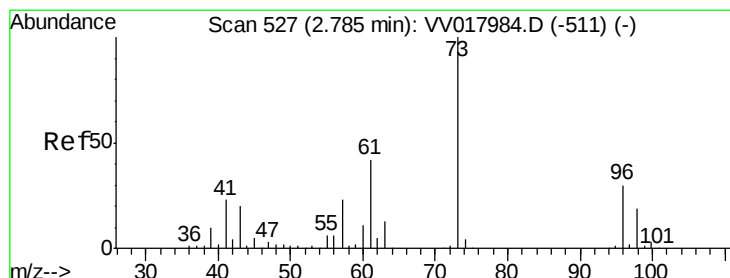
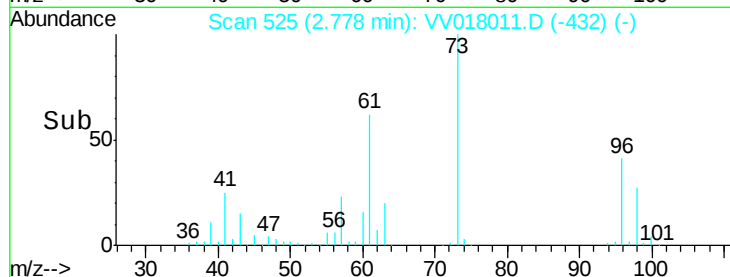
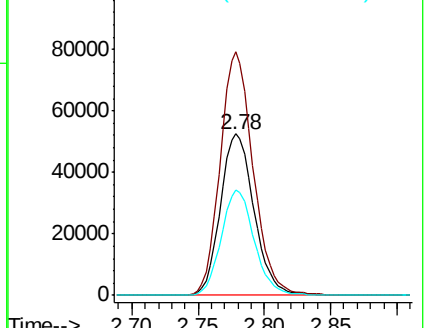
98 65.2 44.4 82.5



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: 51.660 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

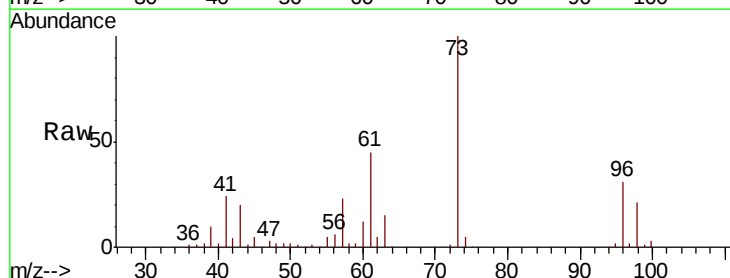
Tgt Ion: 73 Resp: 305190

Ion Ratio Lower Upper

73 100

43 19.7 15.9 23.9

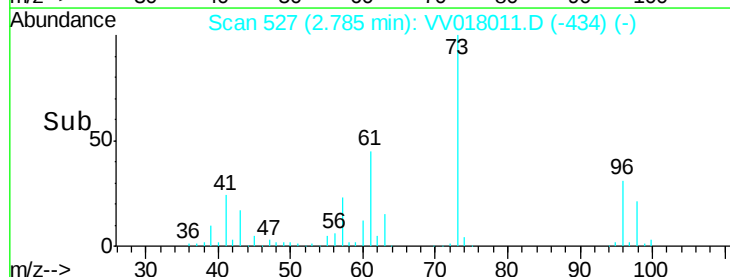
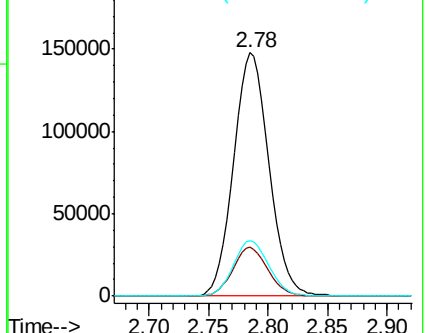
57 22.8 18.1 27.1

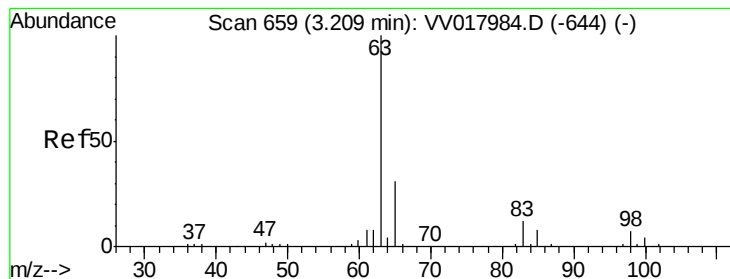


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.498 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

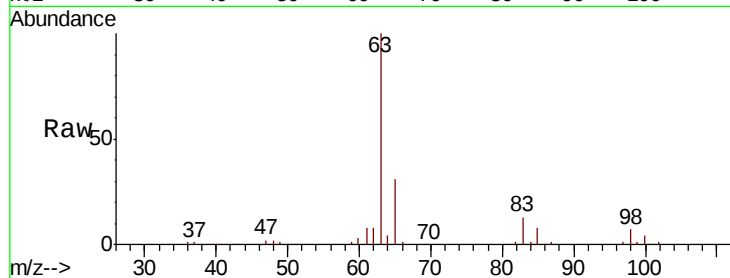
Tot Ion: 63 Resp: 184974

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.7

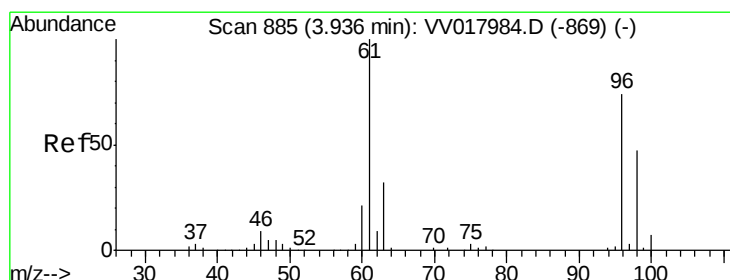
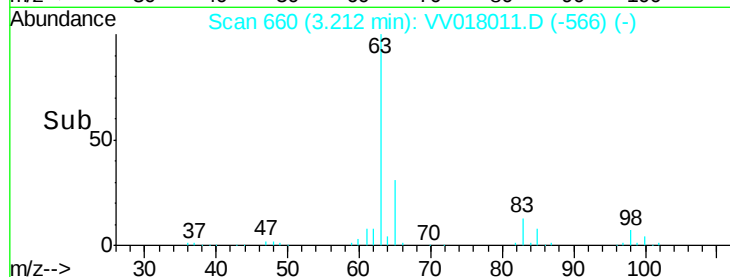
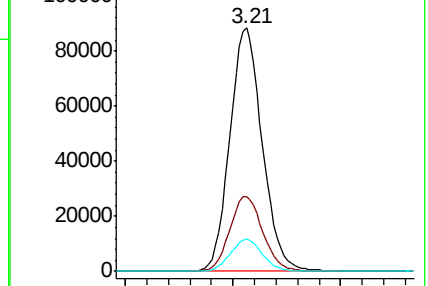
83 13.3 9.2 17.2



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: 63.177 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

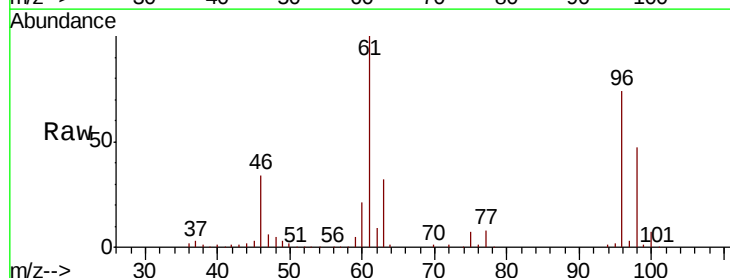
Tgt Ion: 96 Resp: 124017

Ion Ratio Lower Upper

96 100

61 135.6 95.0 176.4

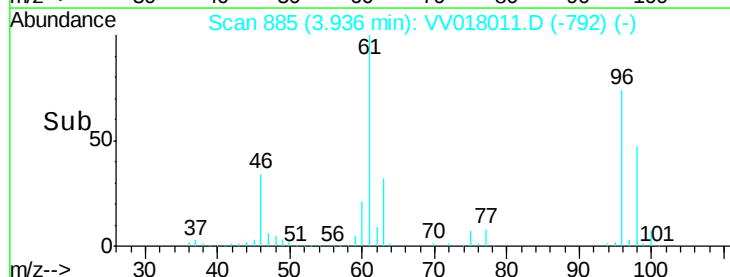
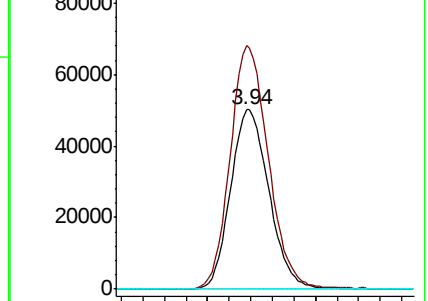
68 0.0 0.0 0.0

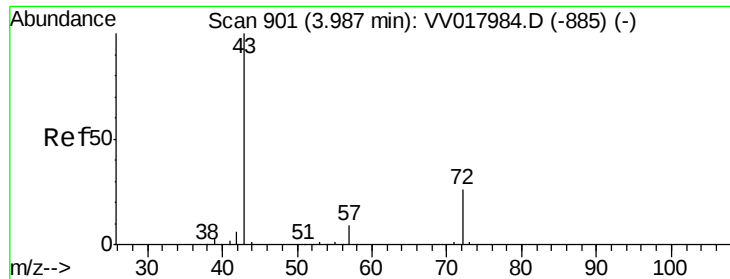


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.022 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampled :

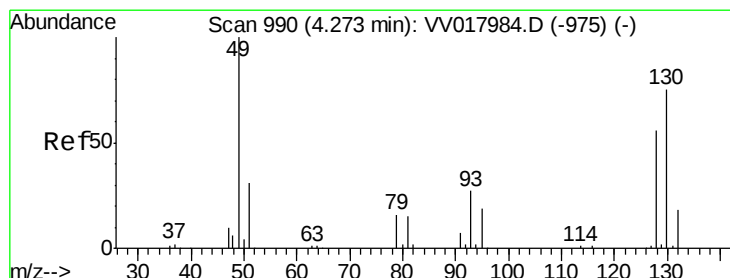
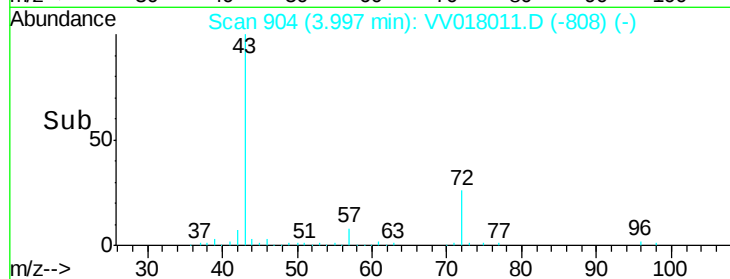
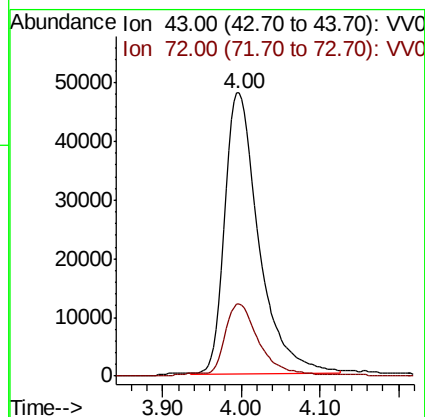
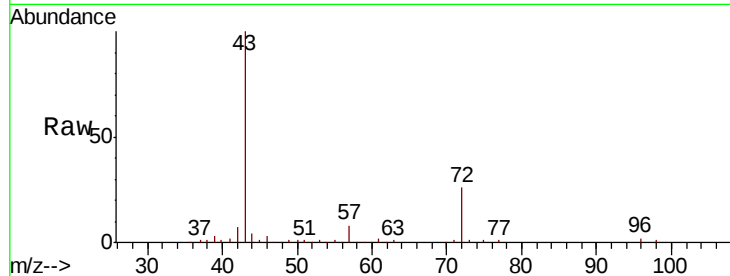
VSTD05070

Tot Ion: 43 Resp: 145541

Ion Ratio Lower Upper

43 100

72 24.6 12.7 38.0



#23

Bromochloromethane

Concen: 52.878 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Tgt Ion: 128 Resp: 54225

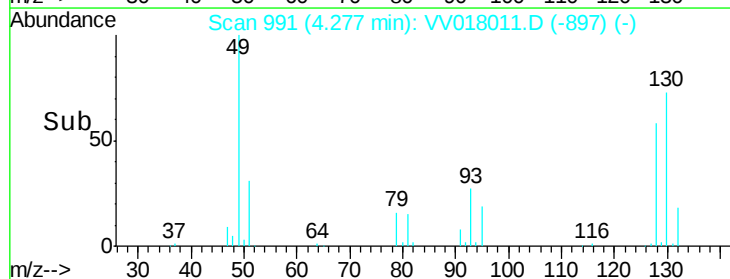
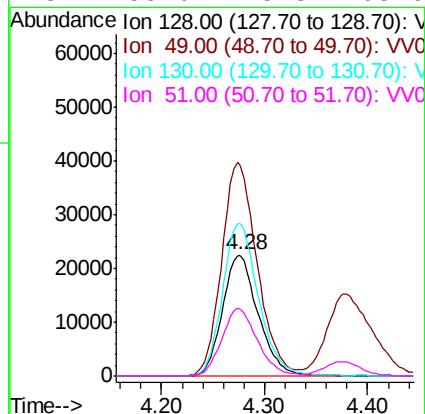
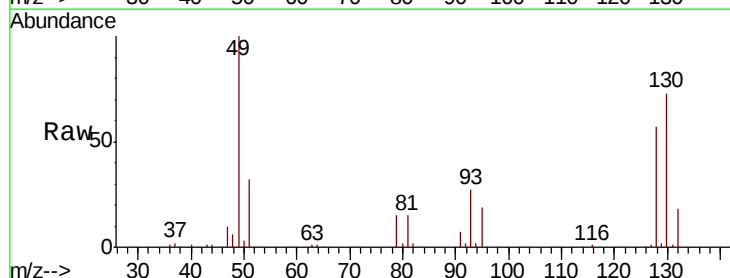
Ion Ratio Lower Upper

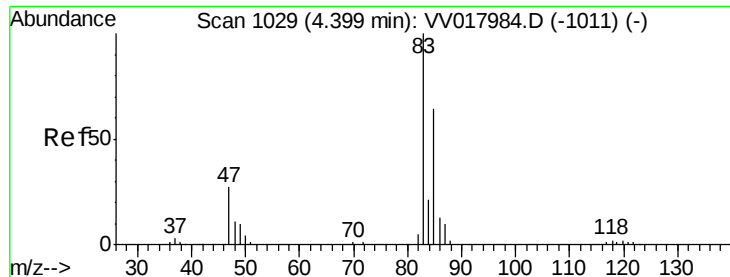
128 100

49 174.1 125.6 233.3

130 126.4 89.9 167.0

51 55.0 45.8 68.6

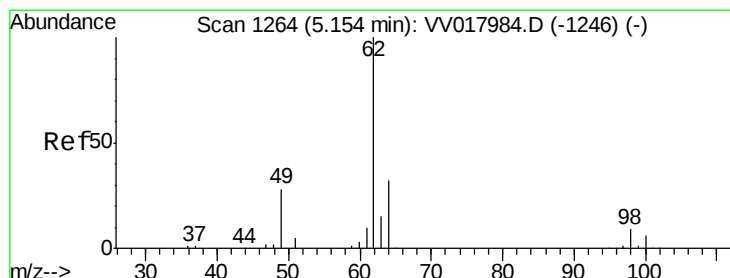
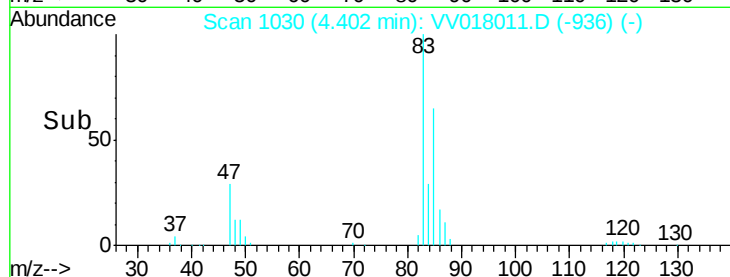
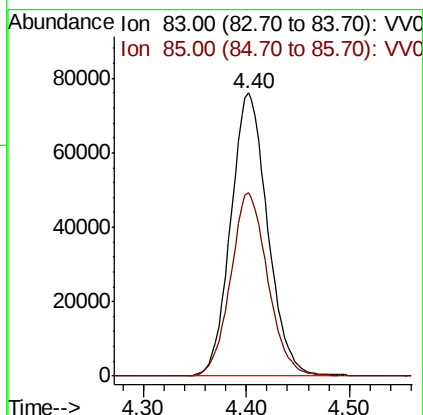
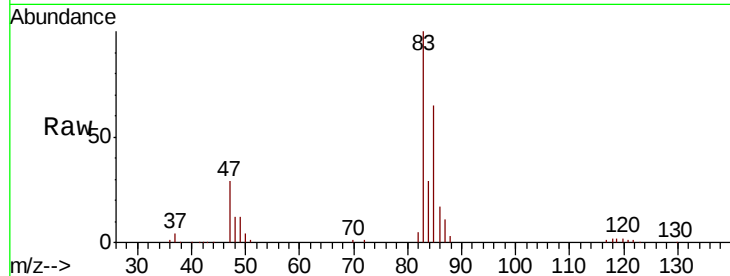




#25
Chloroform
Concen: 51.554 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

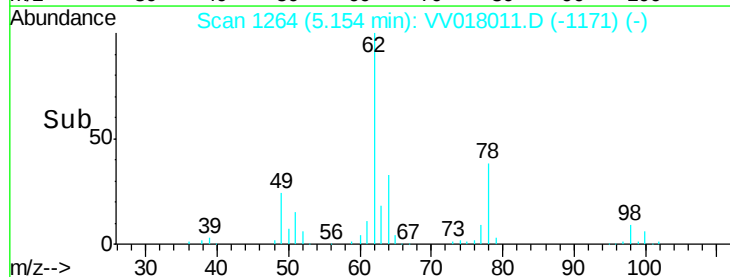
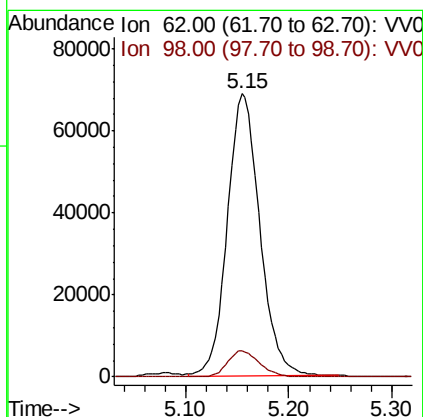
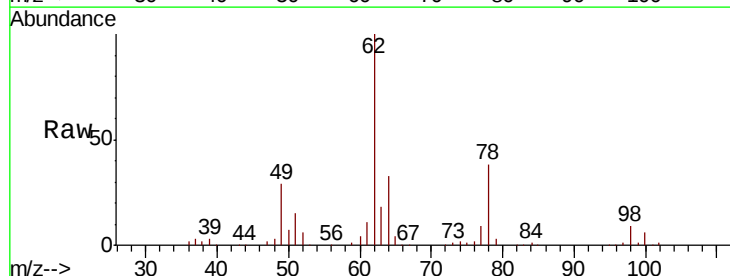
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

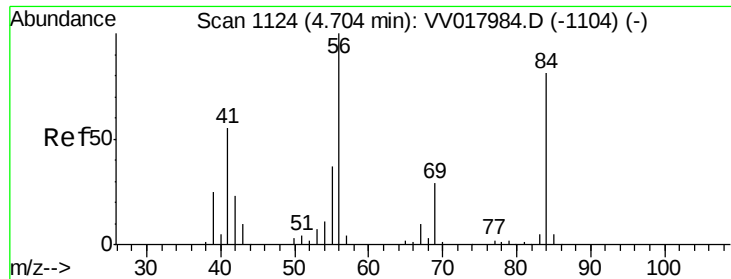
Tot Ion: 83 Resp: 188871
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 51.980 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion: 62 Resp: 151576
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

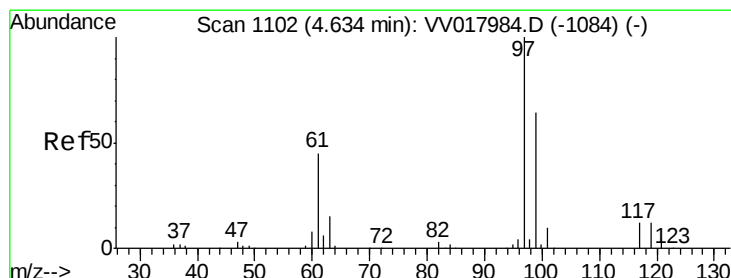
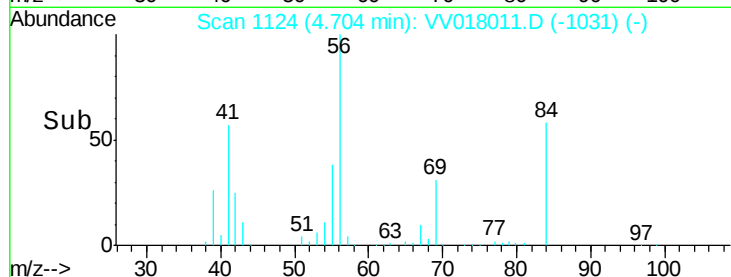
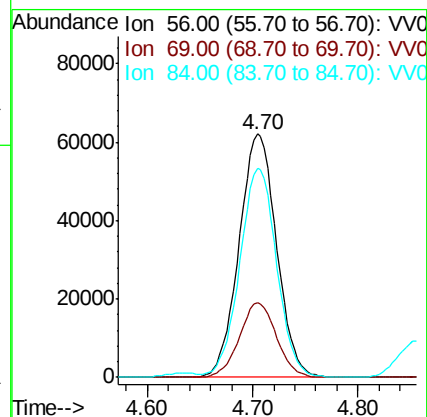
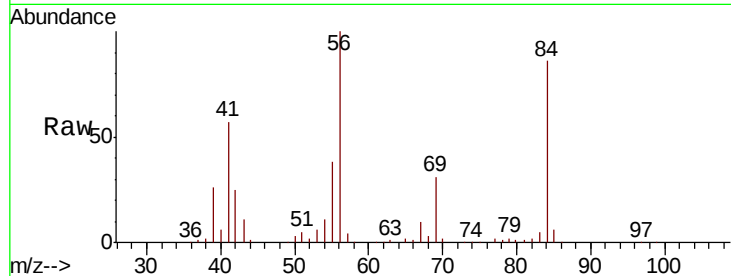




#29
Cyclohexane
Concen: 49.814 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

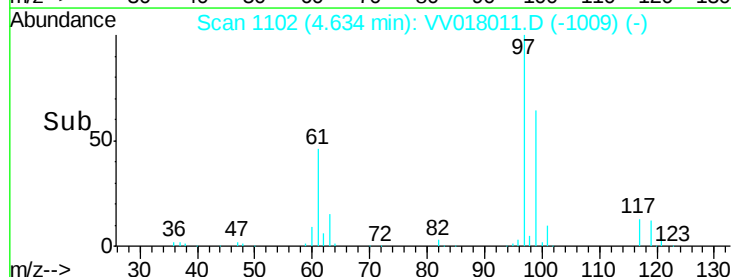
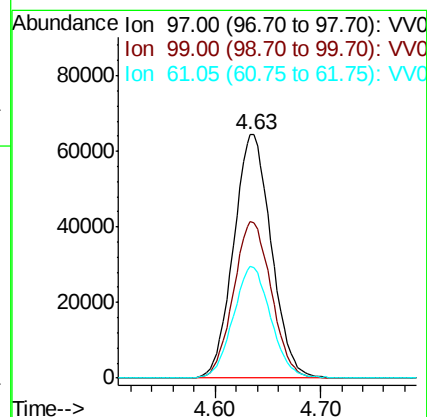
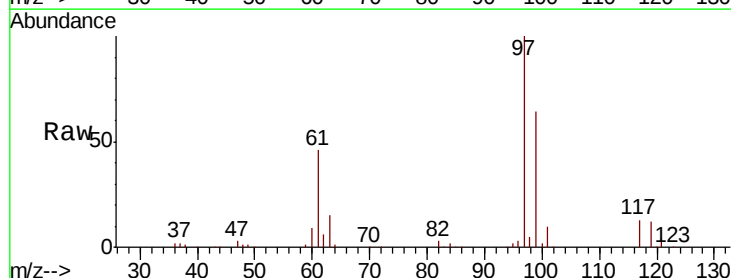
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

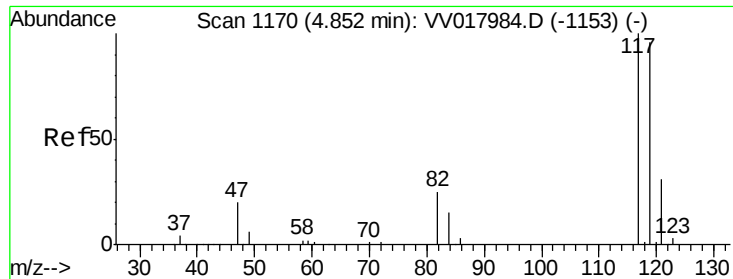
Tot Ion: 56 Resp: 153133
Ion Ratio Lower Upper
56 100
69 30.2 23.8 35.8
84 84.7 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 51.285 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion: 97 Resp: 160075
Ion Ratio Lower Upper
97 100
99 64.3 50.6 76.0
61 45.7 37.0 55.6





#31

Carbon tetrachloride

Concen: 52.064 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

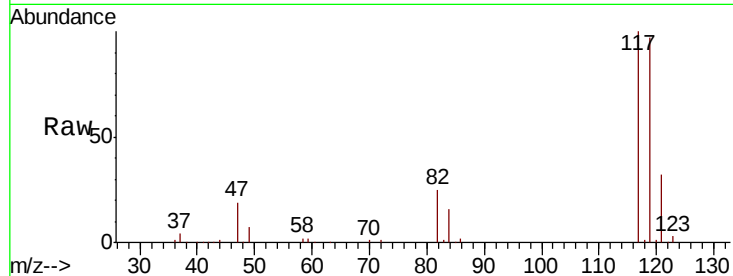
VSTD05070

Tot Ion:117 Resp: 135282

Ion Ratio Lower Upper

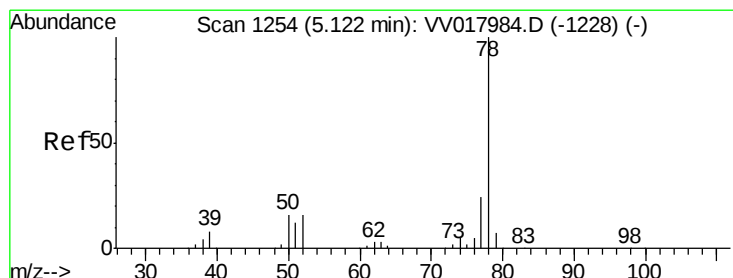
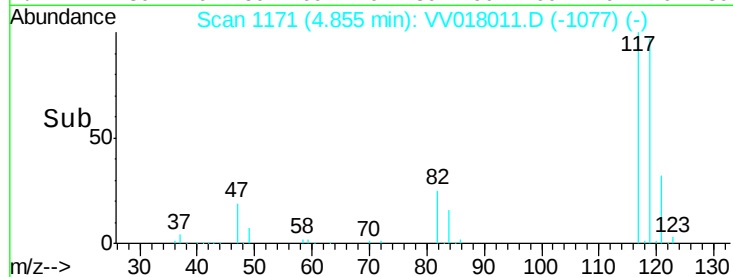
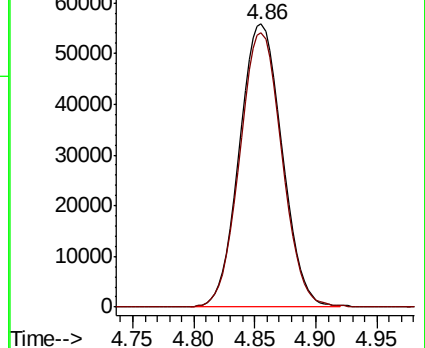
117 100

119 96.0 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: 51.142 ug/L

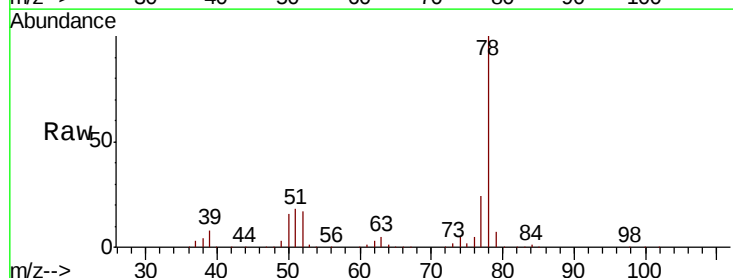
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

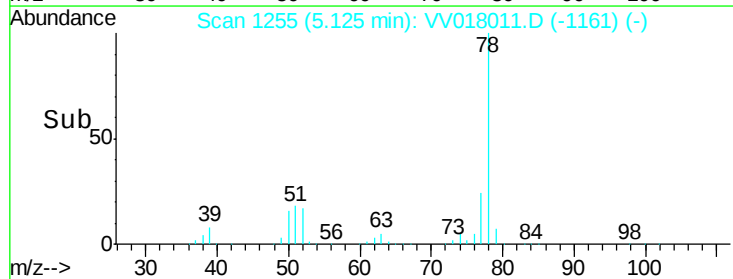
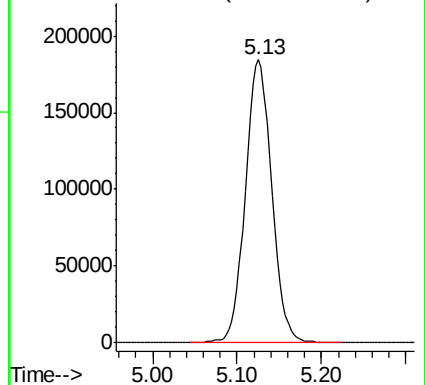
Lab File: VV018011.D

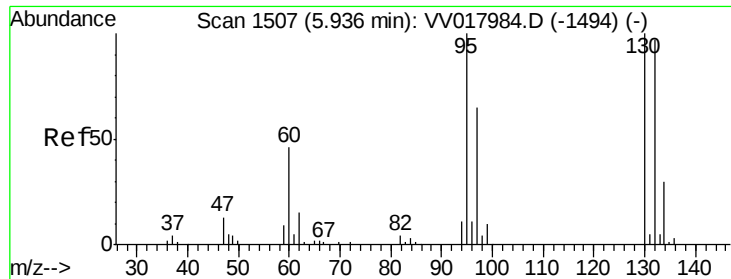
Acq: 14 Aug 2020 20:57

Tgt Ion: 78 Resp: 403008



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 55.578 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tot Ion: 95 Resp: 115766

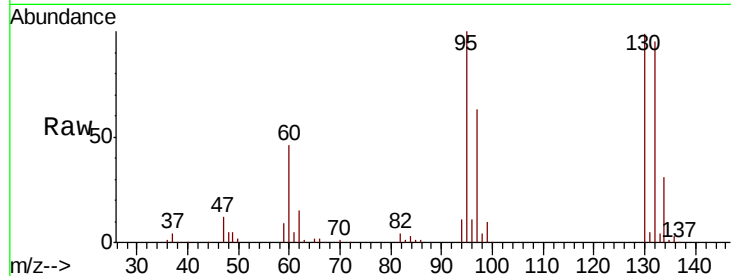
Ion Ratio Lower Upper

95 100

97 63.4 46.0 85.4

132 94.6 65.8 122.2

130 99.1 69.2 128.6

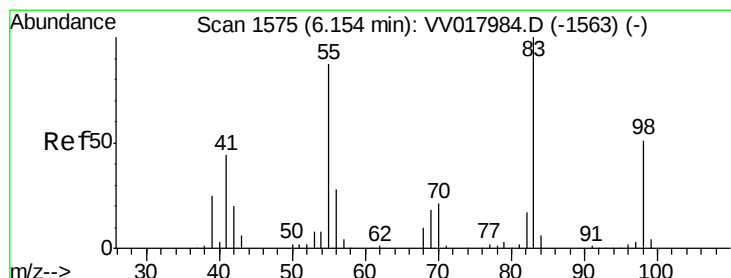
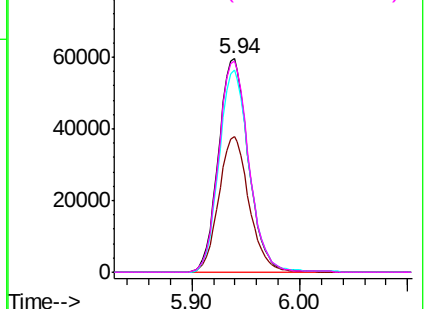
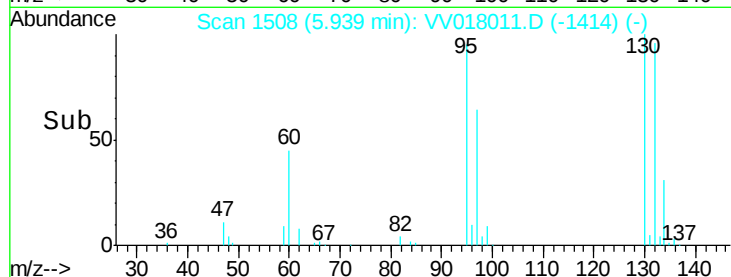


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.450 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

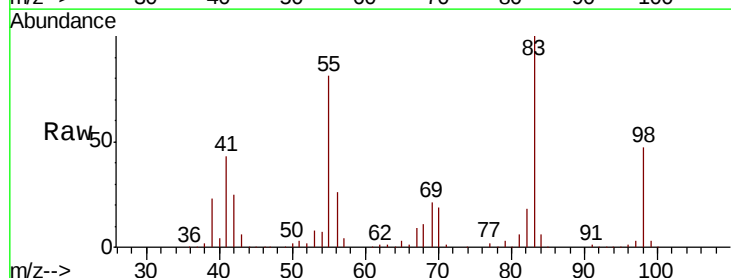
Tgt Ion: 83 Resp: 153161

Ion Ratio Lower Upper

83 100

55 81.2 64.9 97.3

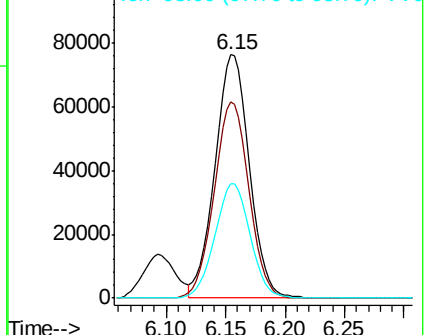
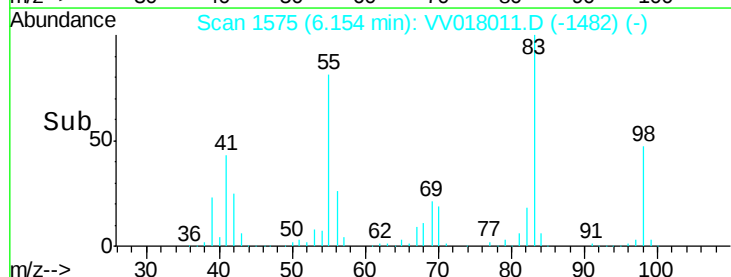
98 48.1 38.7 58.1

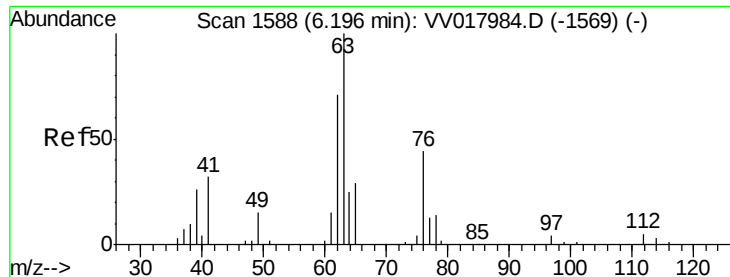


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

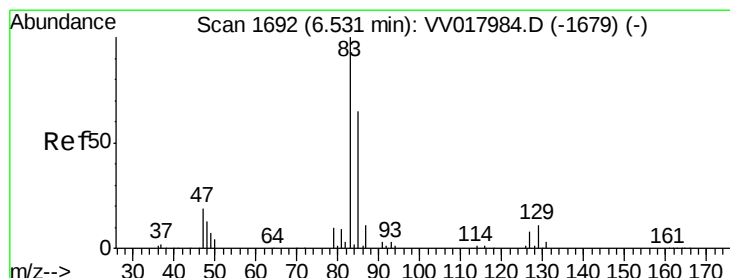
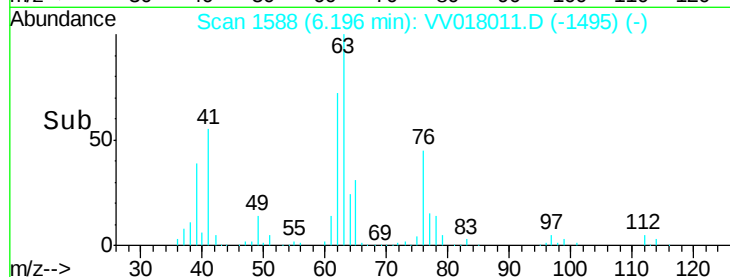
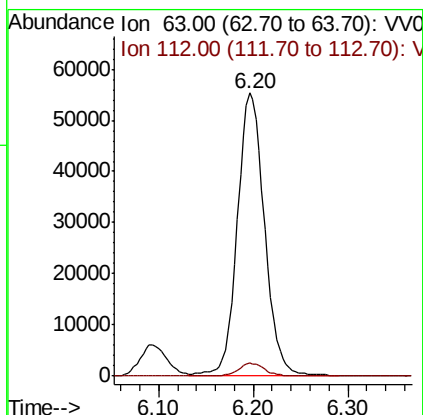
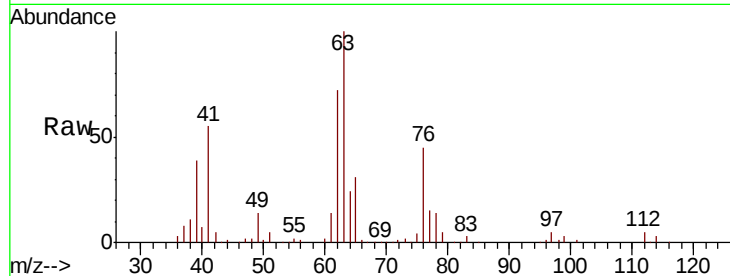




#37
 1,2-Dichloropropane
 Concen: 51.093 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

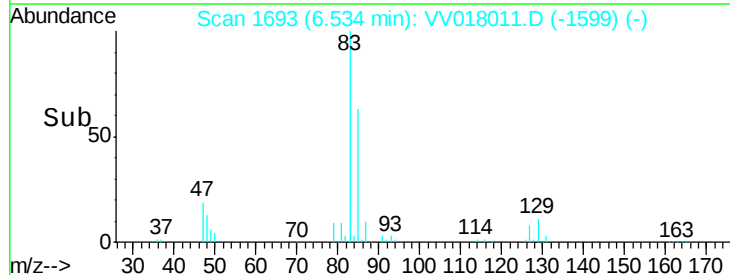
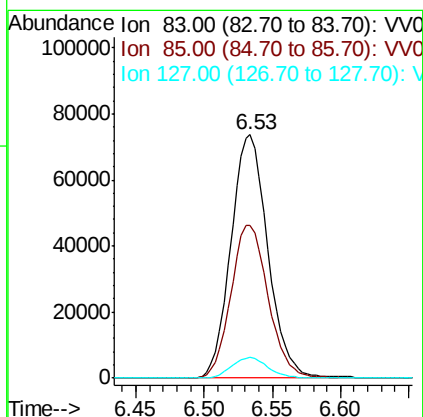
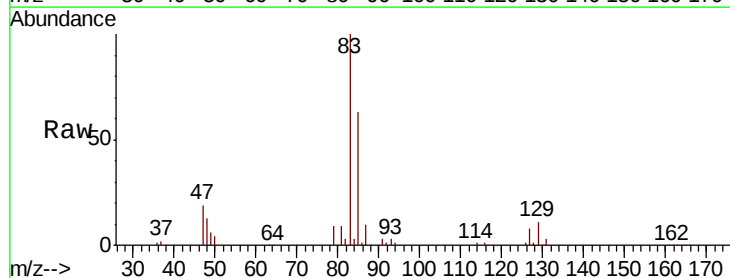
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

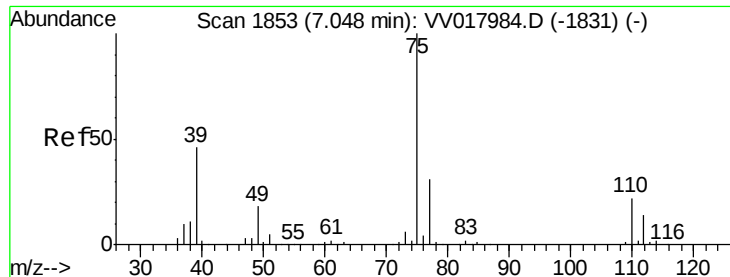
Tot Ion: 63 Resp: 109799
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 51.799 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

Tgt Ion: 83 Resp: 138267
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.3 82.3
 127 8.4 6.5 9.7

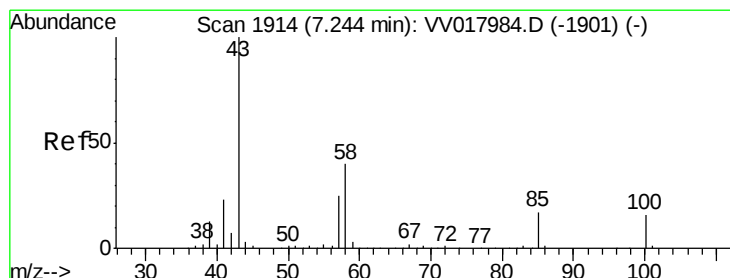
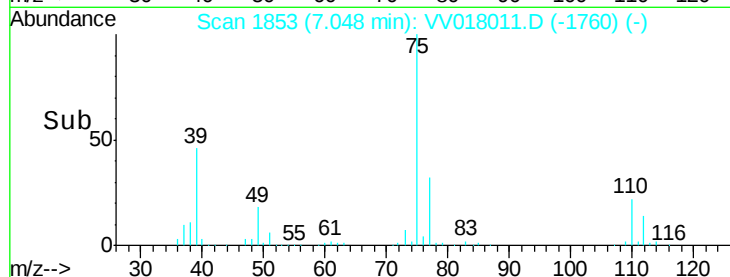
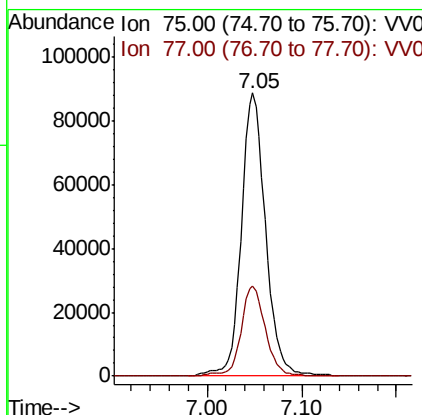
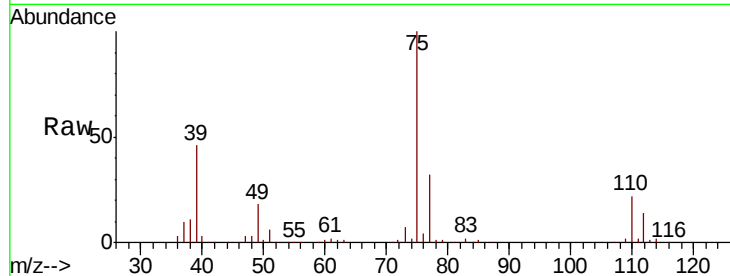




#39
 cis-1,3-Dichloropropene
 Concen: 51.968 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

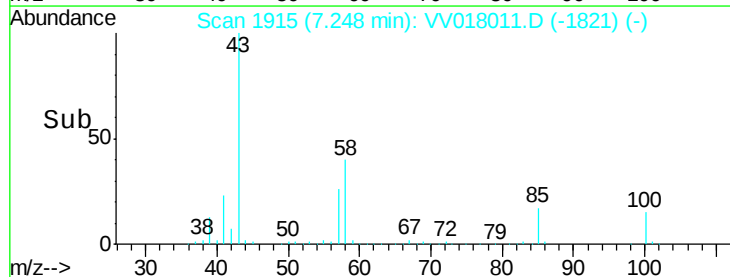
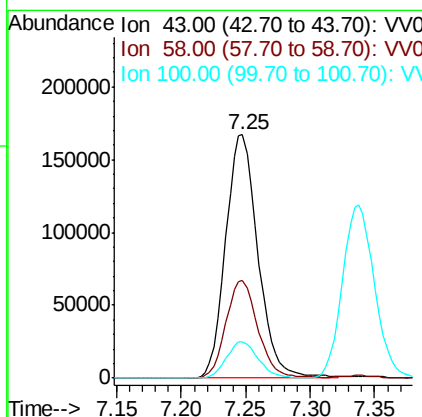
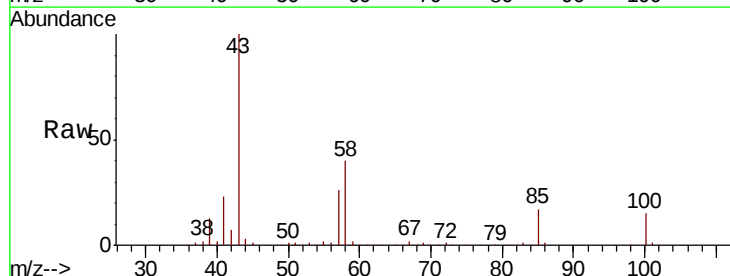
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

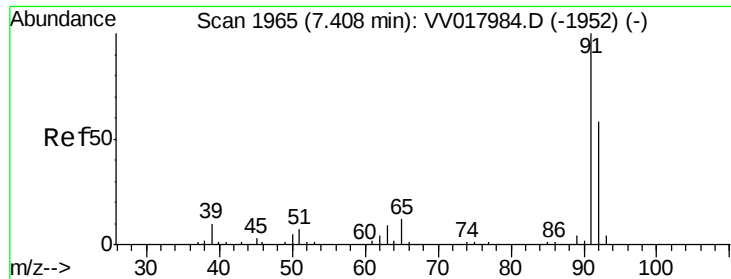
Tot Ion: 75 Resp: 158319
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 103.591 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

Tgt Ion: 43 Resp: 291020
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.9 47.9
 100 14.8 12.2 18.2





#42

Toluene

Concen: 52.517 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

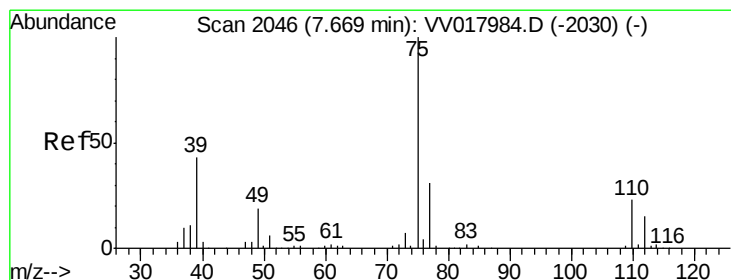
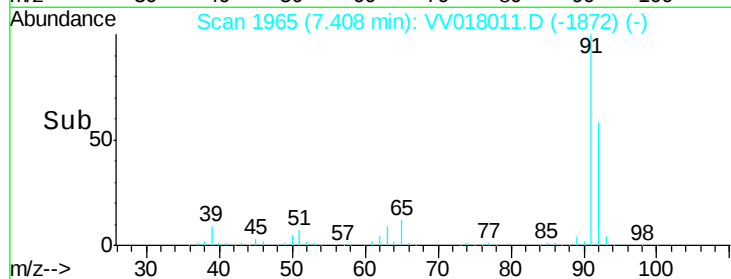
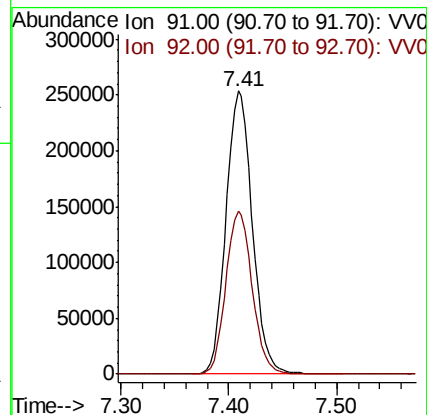
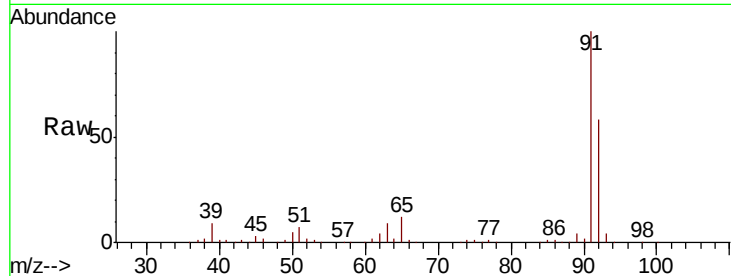
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 91 Resp: 431839

Ion Ratio Lower Upper

91 100

92 57.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 52.759 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018011.D

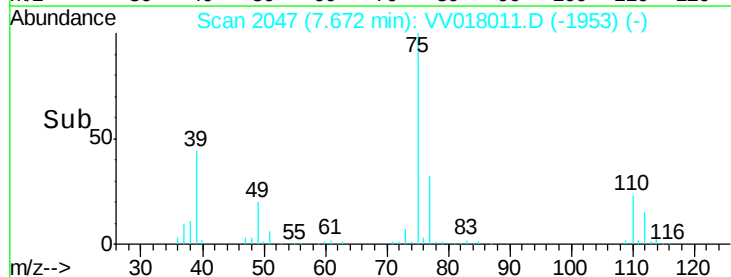
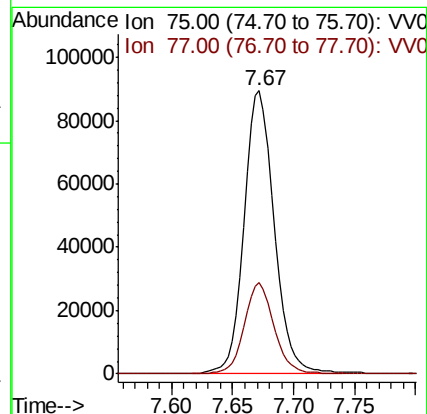
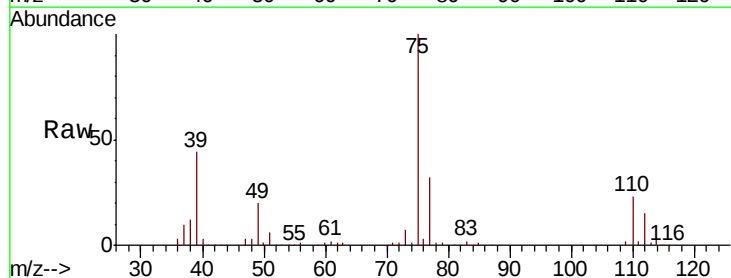
Acq: 14 Aug 2020 20:57

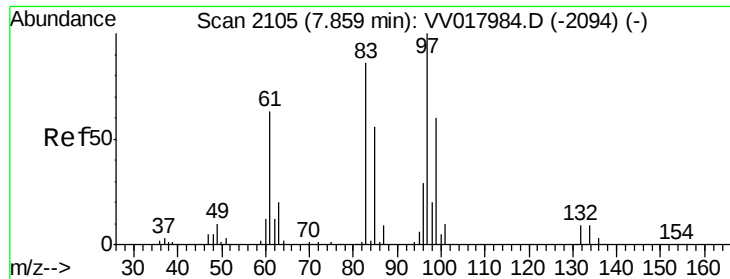
Tgt Ion: 75 Resp: 152501

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 51.152 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tot Ion: 97 Resp: 101801

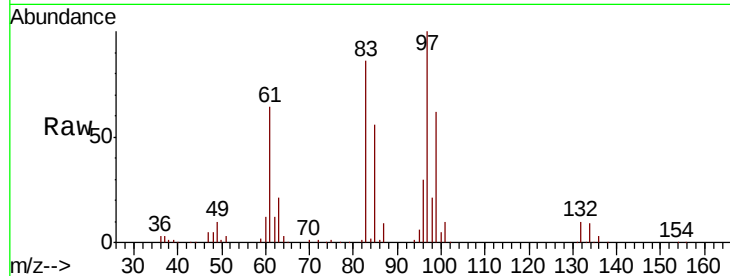
Ion Ratio Lower Upper

97 100

99 62.2 44.2 82.2

83 86.4 61.0 113.4

85 55.8 39.5 73.4

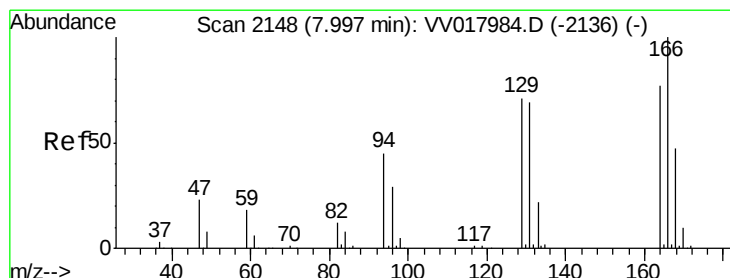
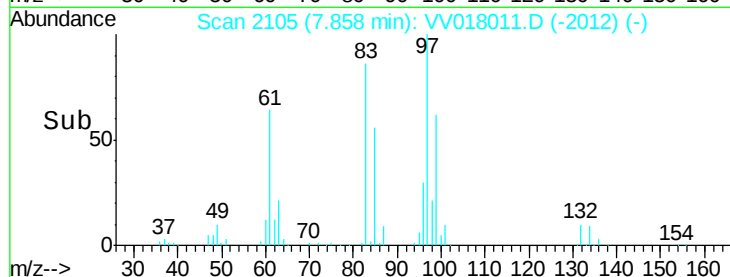
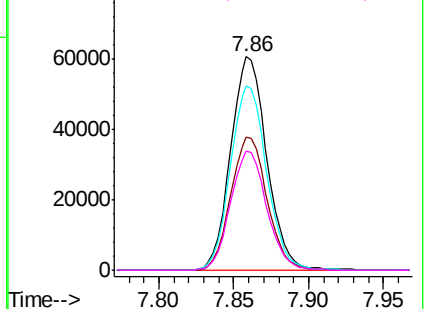


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 52.476 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Tgt Ion: 164 Resp: 80163

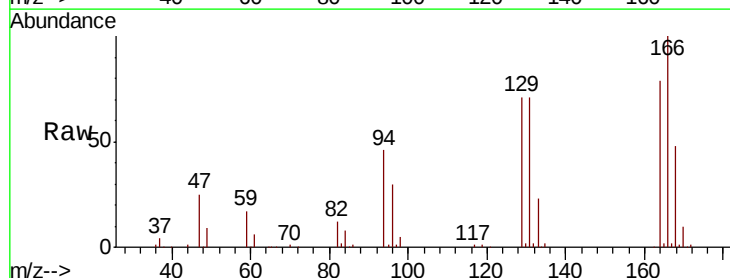
Ion Ratio Lower Upper

164 100

129 90.5 64.8 120.3

131 90.1 64.5 119.9

166 126.9 88.9 165.1

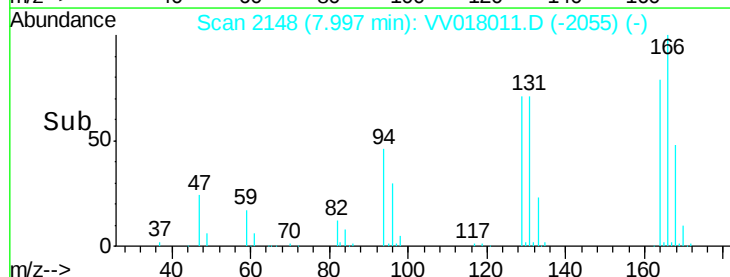
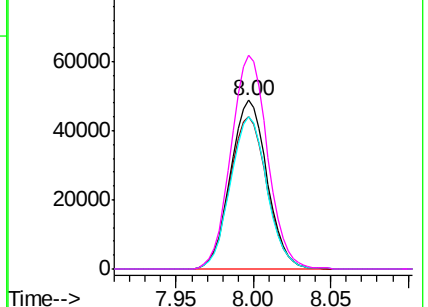


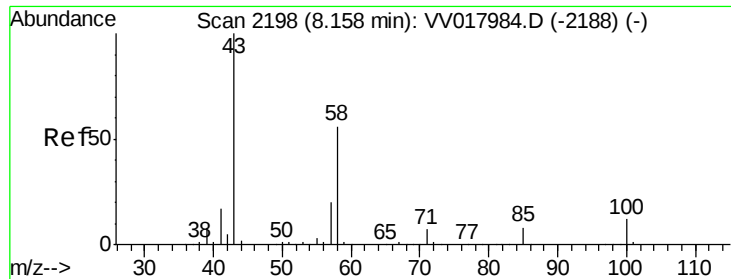
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

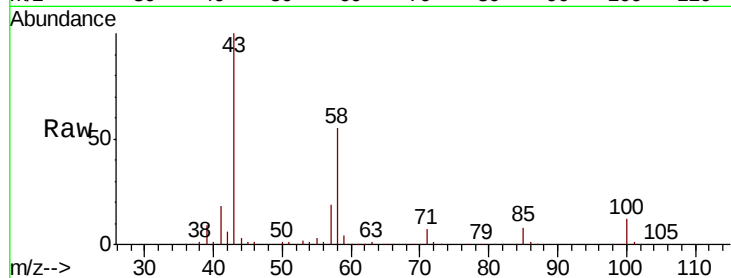




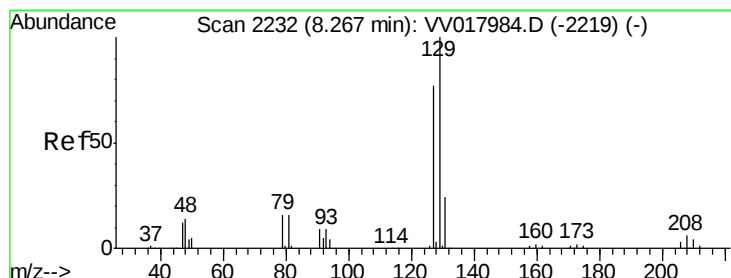
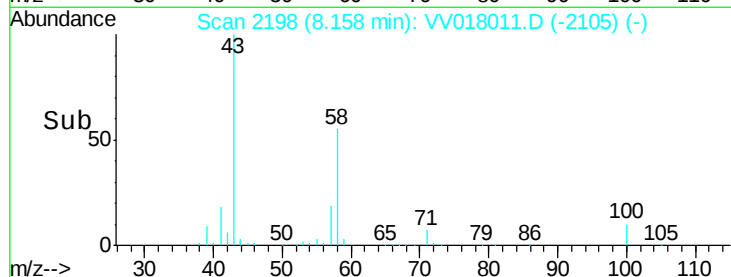
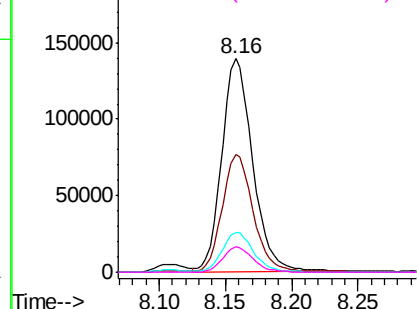
#48
2-Hexanone
Concen: 99.134 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 43 Resp: 224578
Ion Ratio Lower Upper
43 100
58 56.0 44.4 66.6
57 18.9 15.2 22.8
100 12.0 9.8 14.6

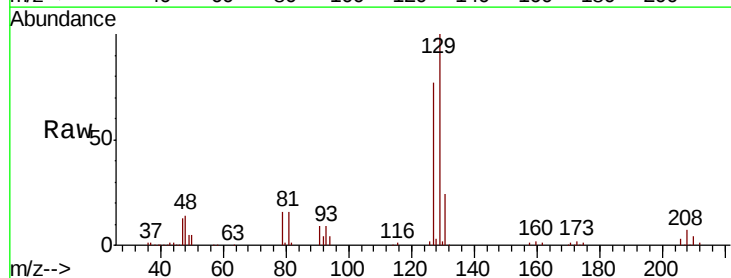


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

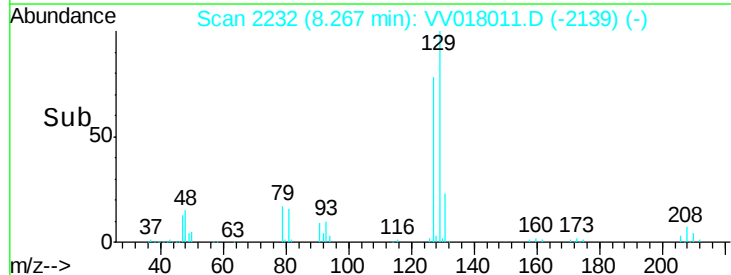
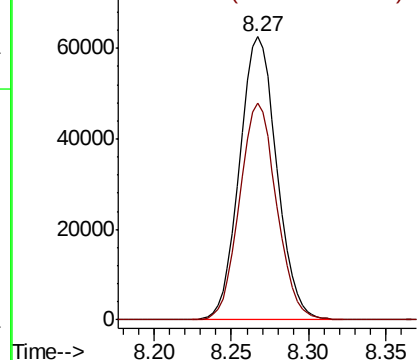


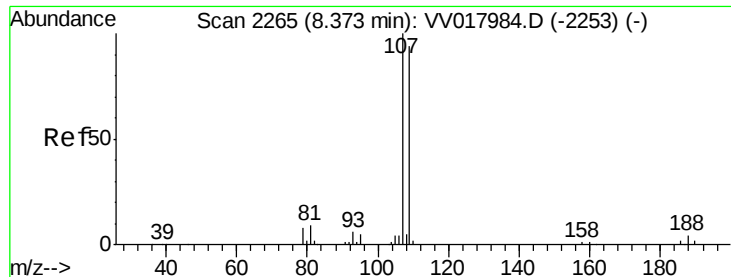
#49
Dibromochloromethane
Concen: 54.010 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion: 129 Resp: 104917
Ion Ratio Lower Upper
129 100
127 76.7 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

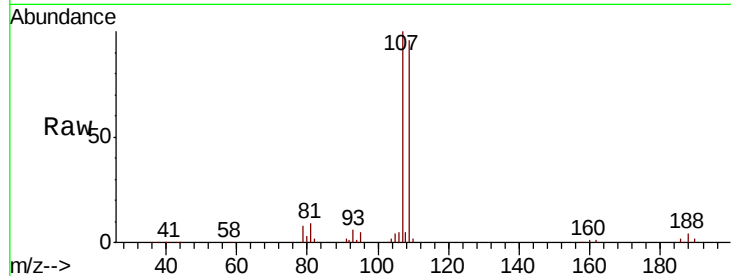




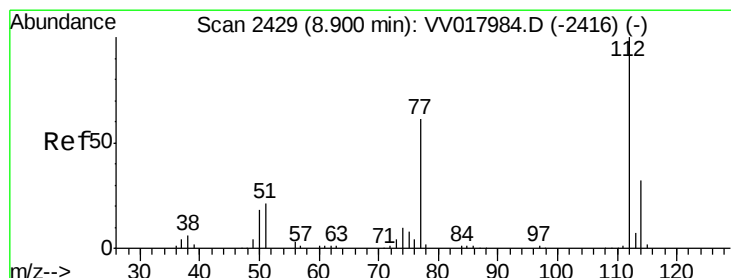
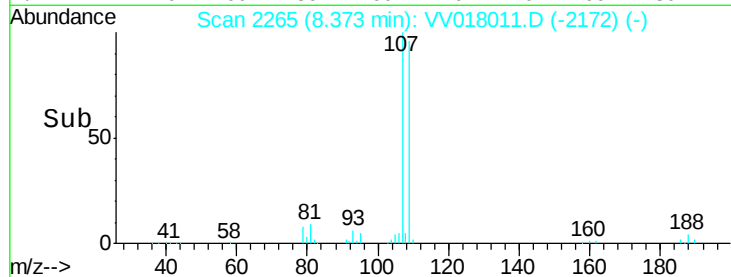
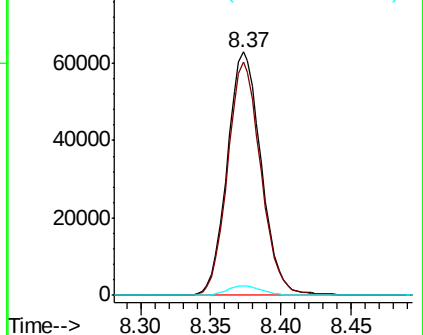
#50
1,2-Dibromoethane
Concen: 51.487 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	67.5	125.4
188	3.8	3.4	5.0

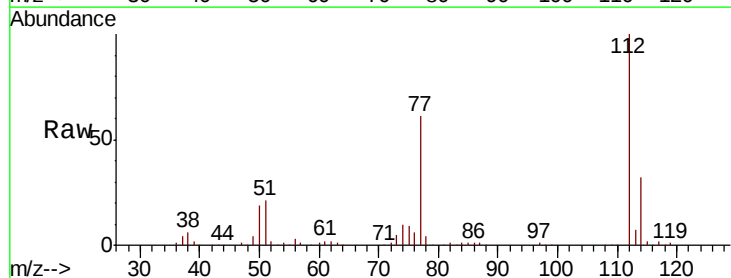


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

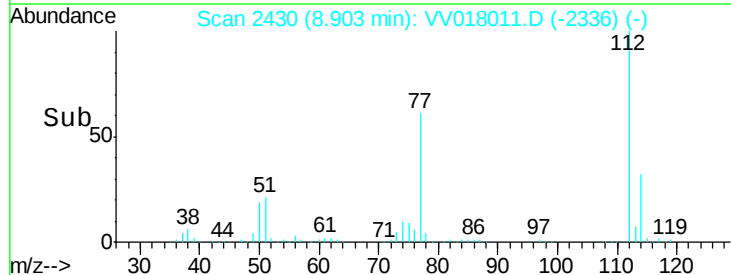
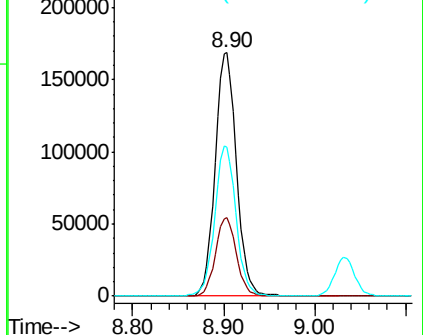


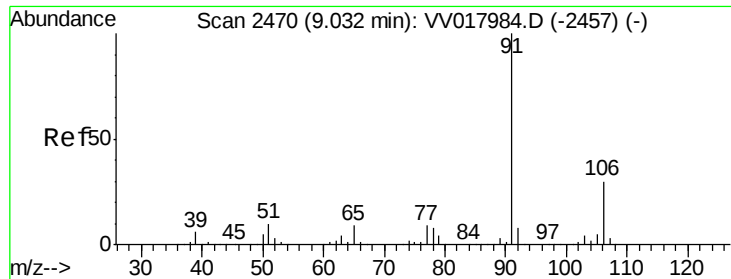
#51
Chlorobenzene
Concen: 51.923 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	61.3	49.4	74.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

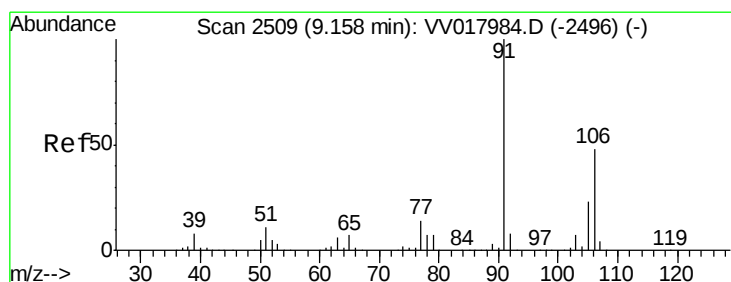
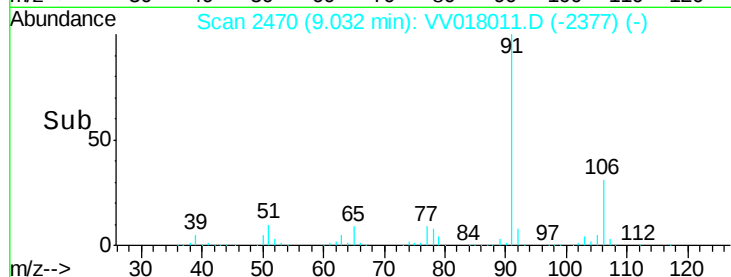
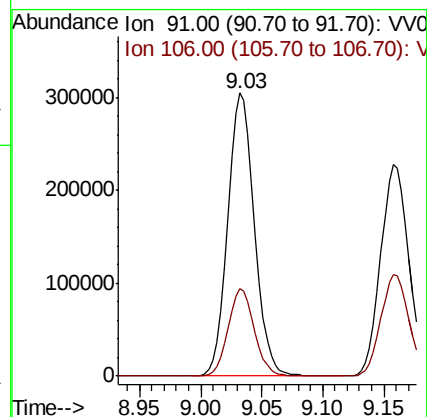
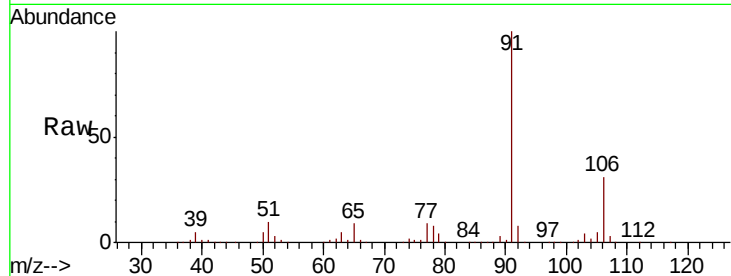




#52
Ethylbenzene
Concen: 52.300 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

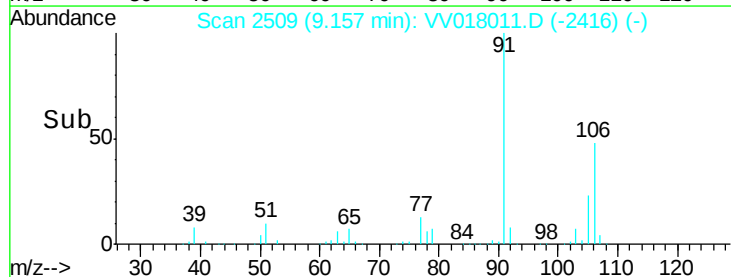
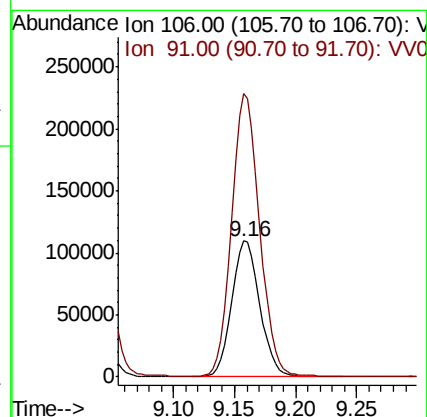
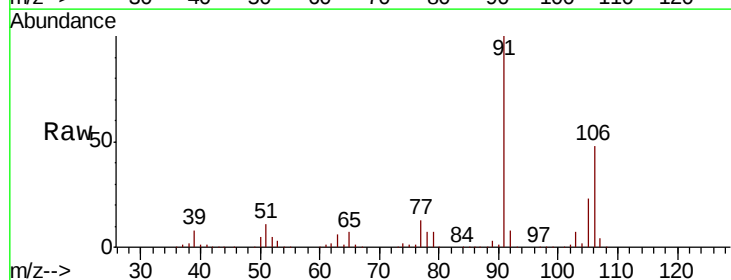
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

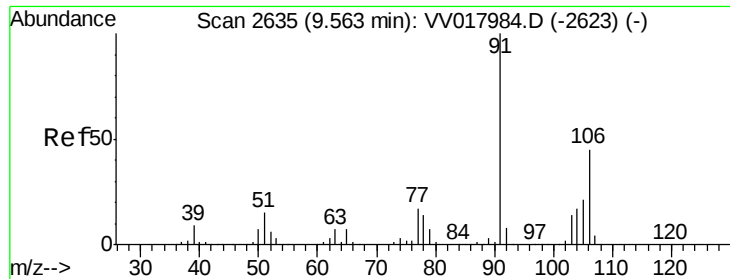
Tot Ion: 91 Resp: 468912
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 53.597 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion: 106 Resp: 176743
Ion Ratio Lower Upper
106 100
91 207.9 147.3 273.6

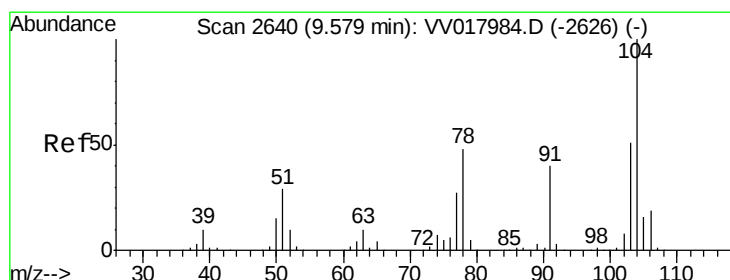
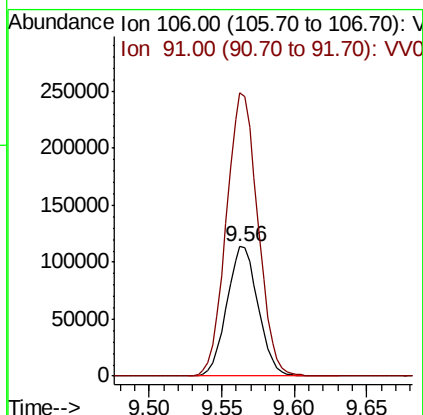
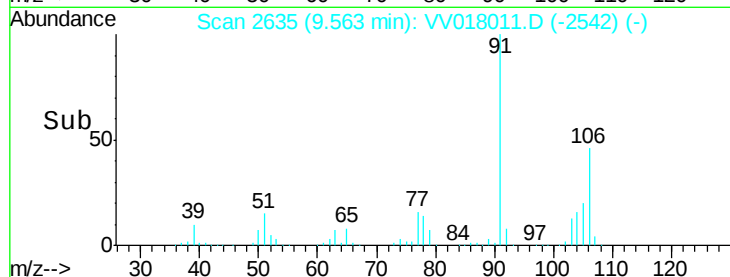
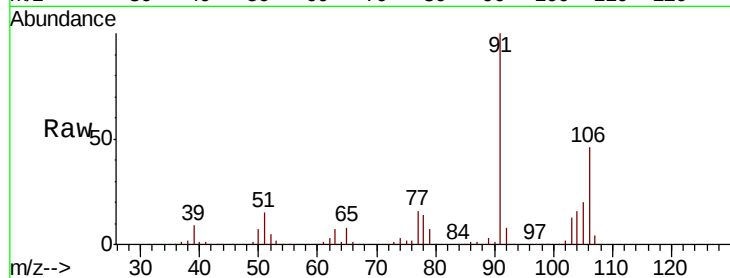




#54
o-xylene
Concen: 52.141 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

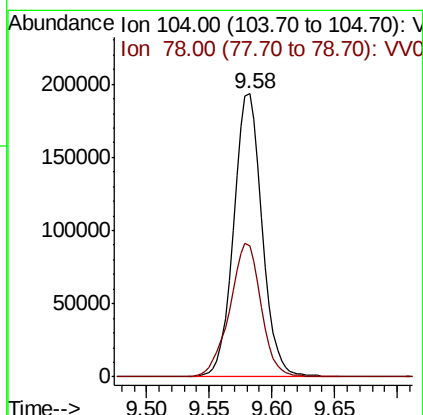
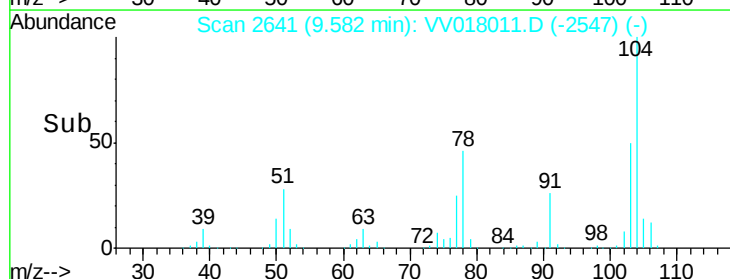
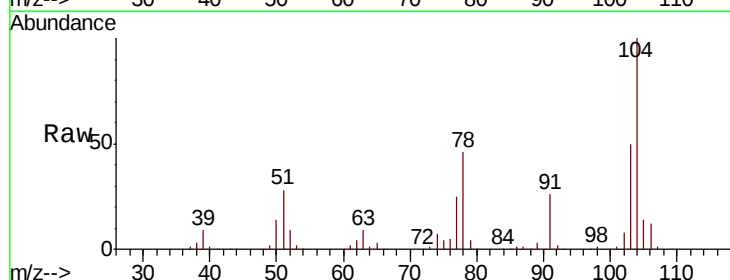
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

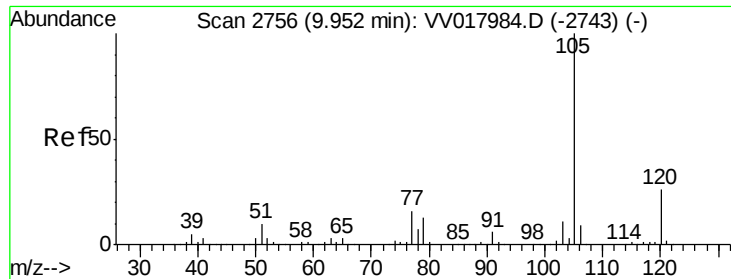
Tot Ion:106 Resp: 169916
Ion Ratio Lower Upper
106 100
91 218.7 156.0 289.8



#55
Styrene
Concen: 54.722 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018011.D
Acq: 14 Aug 2020 20:57

Tgt Ion:104 Resp: 305383
Ion Ratio Lower Upper
104 100
78 46.1 32.2 59.8





#56

Isopropylbenzene

Concen: 53.222 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

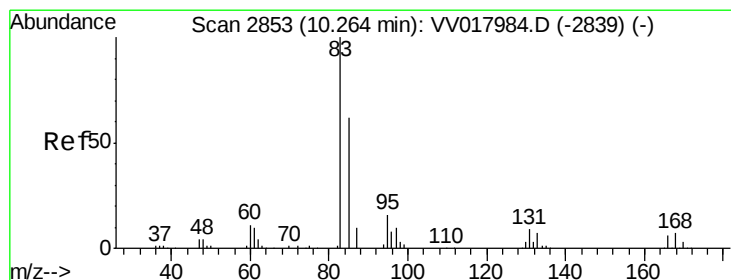
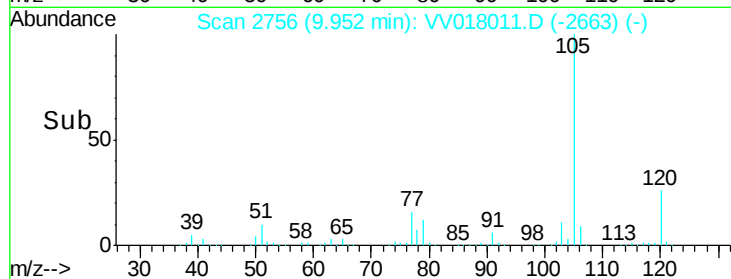
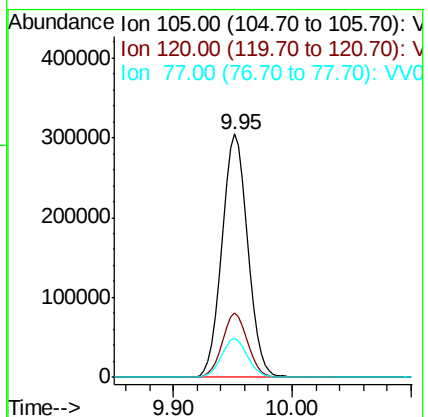
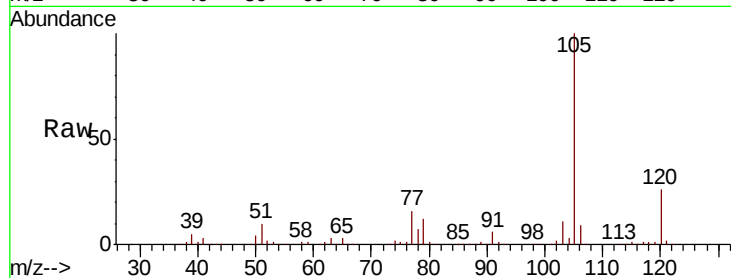
Tot Ion:105 Resp: 457548

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 16.1 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 49.753 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

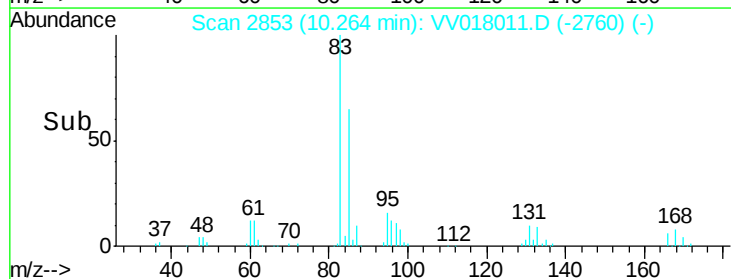
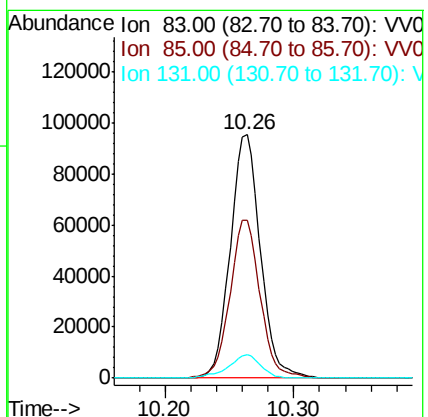
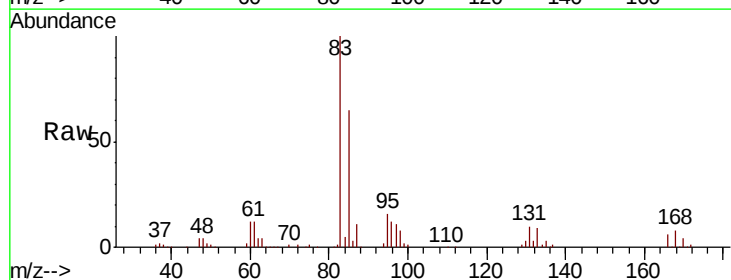
Tgt Ion: 83 Resp: 154187

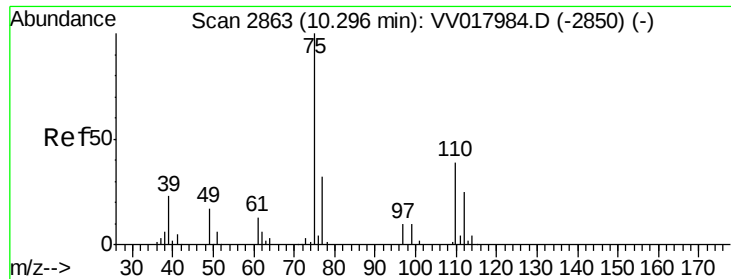
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

131 9.6 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 50.371 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

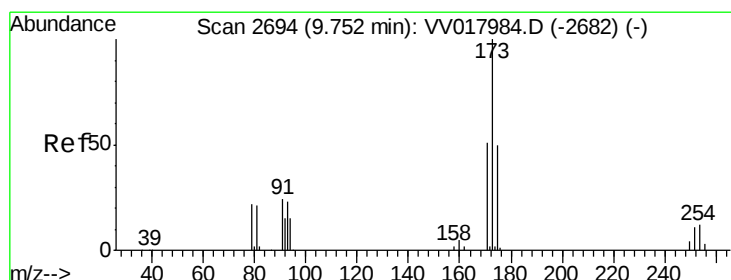
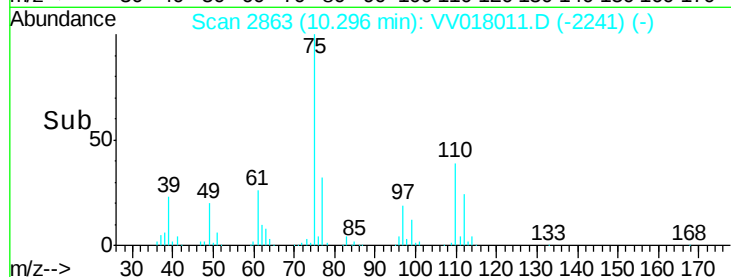
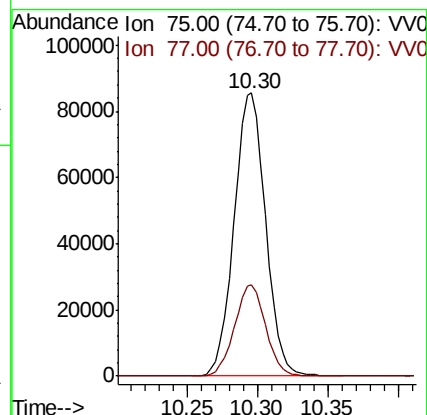
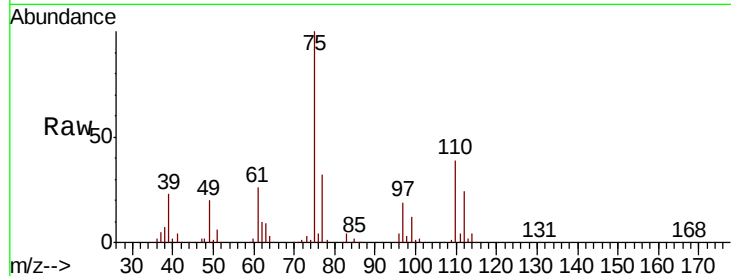
VSTD05070

Tot Ion: 75 Resp: 133688

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#61

Bromoform

Concen: 53.236 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

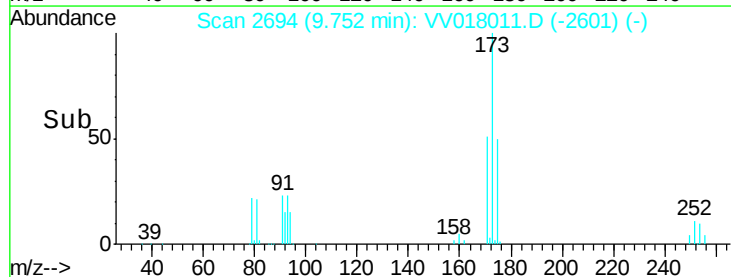
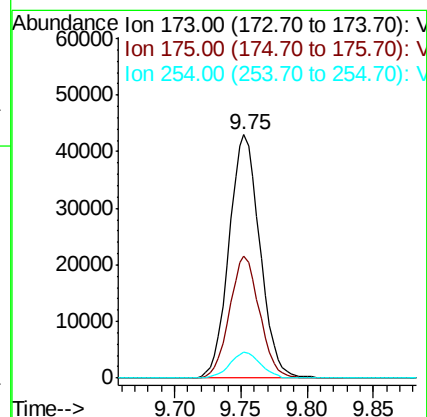
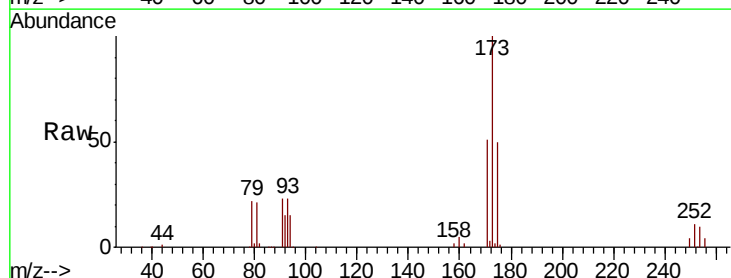
Tgt Ion: 173 Resp: 69501

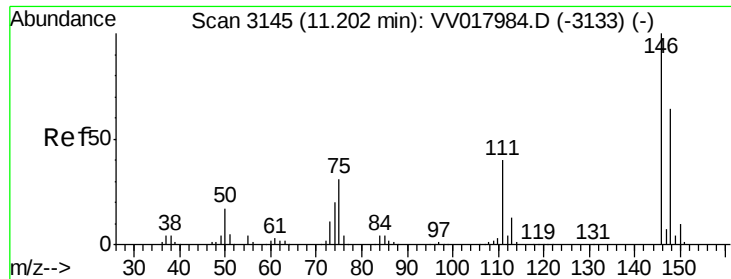
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 10.4 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 51.017 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

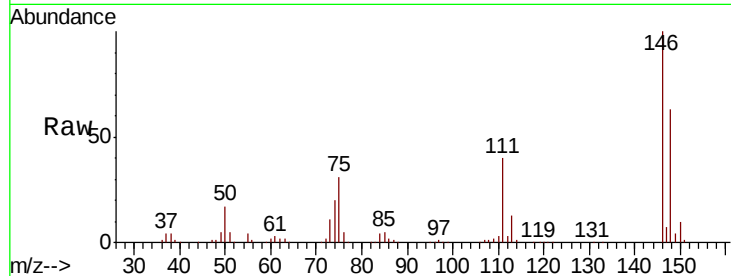
Tot Ion:146 Resp: 223835

Ion Ratio Lower Upper

146 100

111 39.8 28.8 53.4

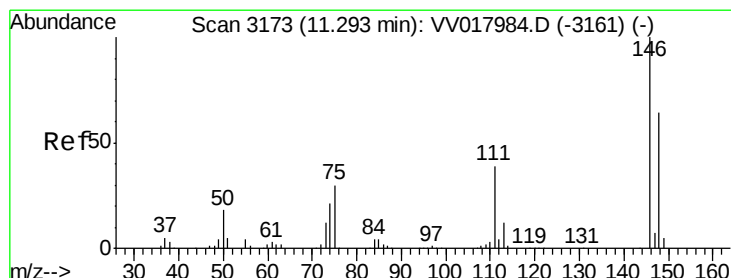
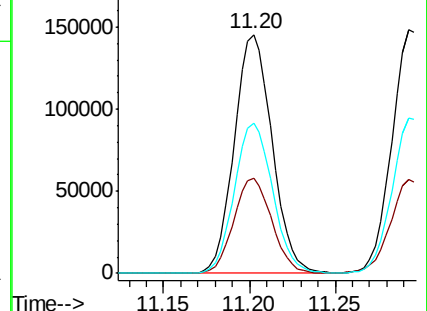
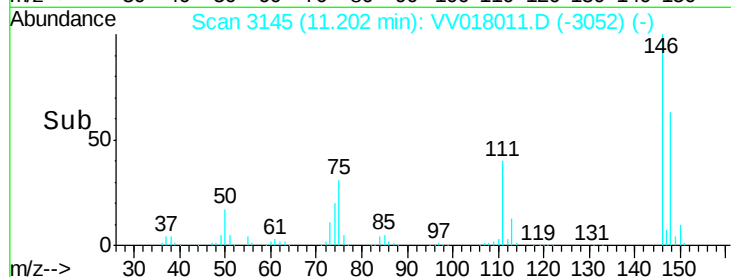
148 63.2 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 50.813 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

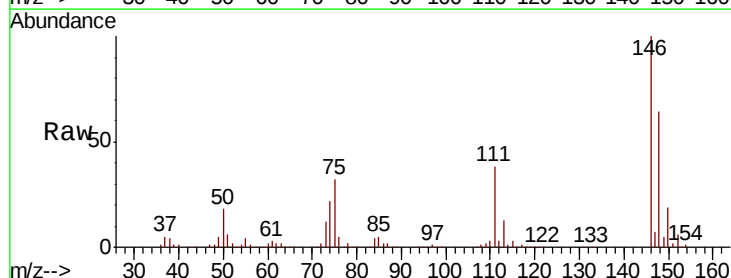
Tgt Ion:146 Resp: 229024

Ion Ratio Lower Upper

146 100

111 38.5 28.0 52.0

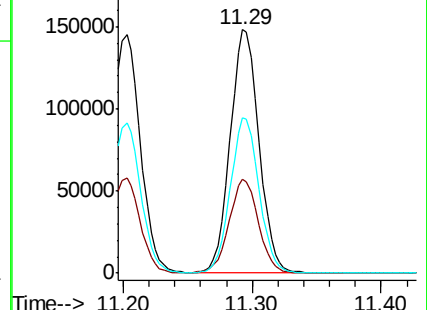
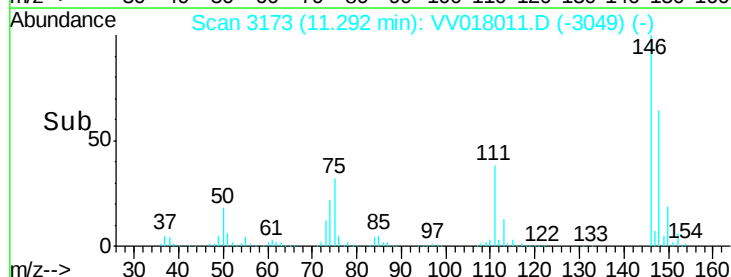
148 63.6 44.2 82.2

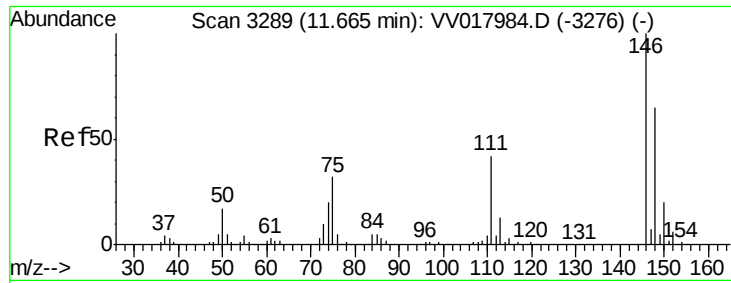


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.855 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

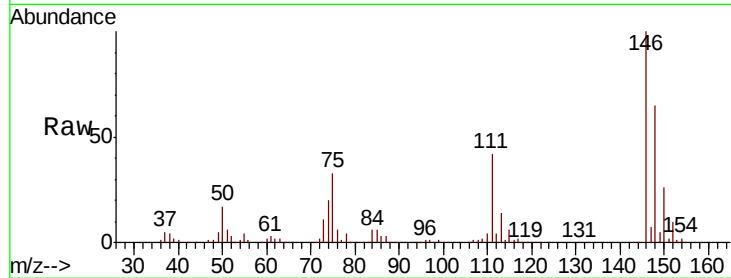
Tot Ion:146 Resp: 225141

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.4

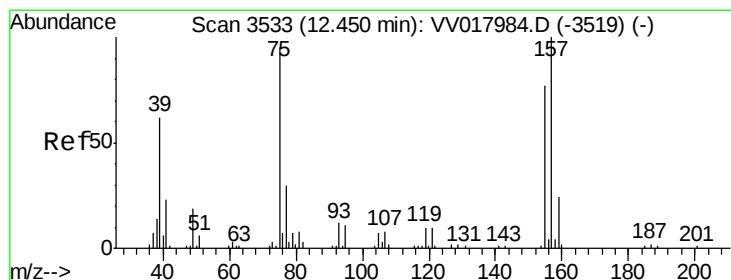
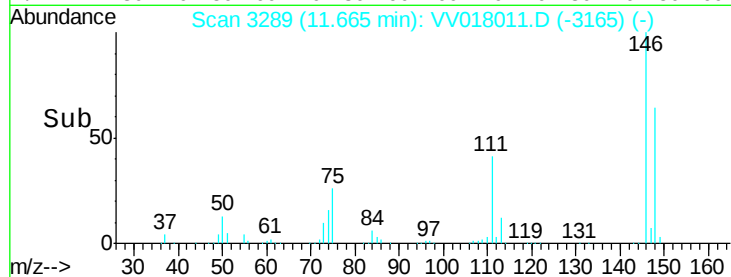
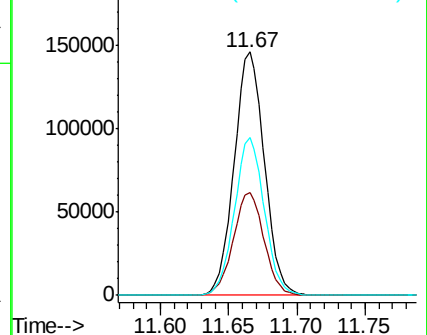
148 64.6 50.6 76.0



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: 50.183 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

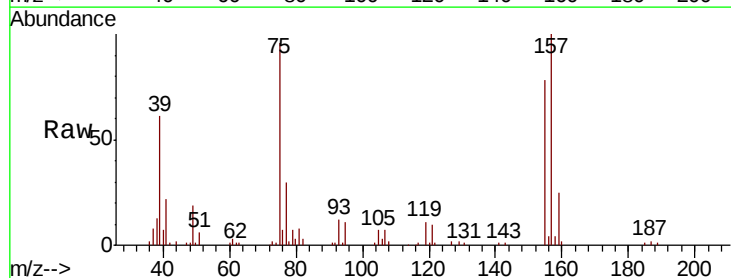
Tgt Ion: 75 Resp: 33390

Ion Ratio Lower Upper

75 100

155 81.4 67.6 101.4

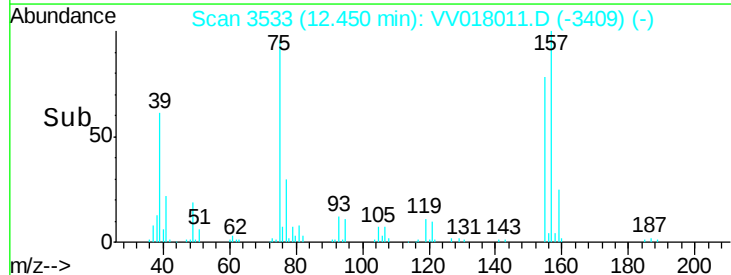
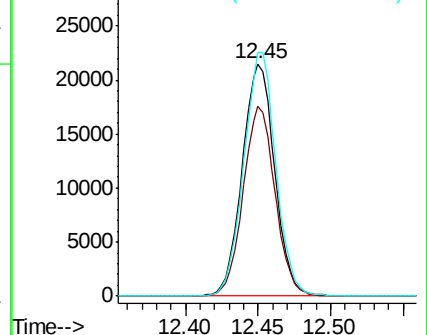
157 104.7 84.3 126.5

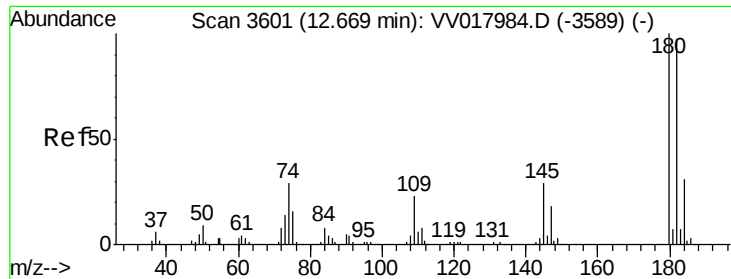


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

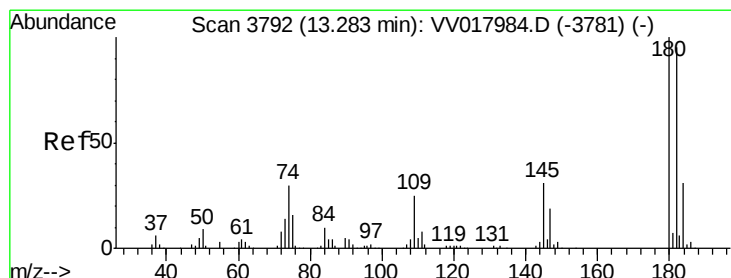
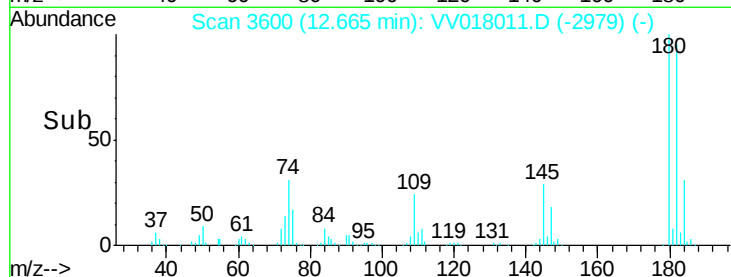
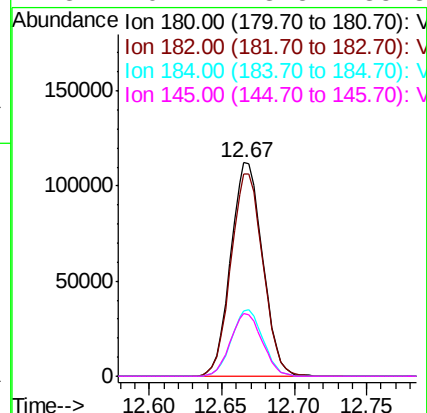
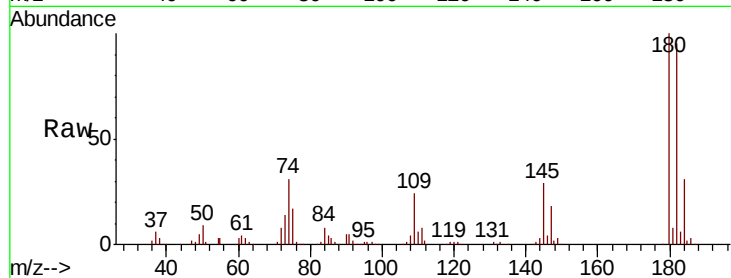




#67
 1,3,5-Trichlorobenzene
 Concen: 51.449 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

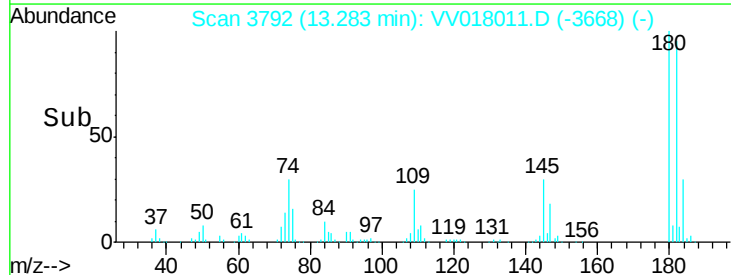
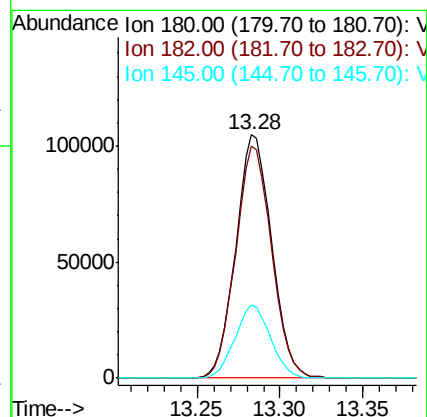
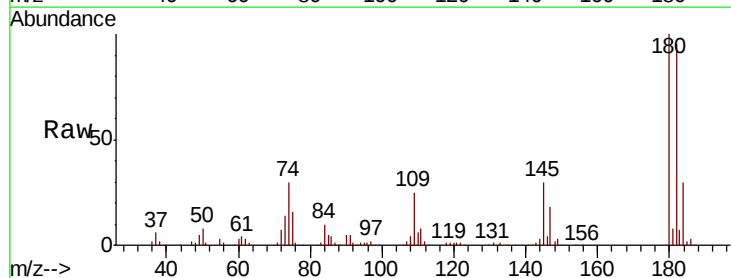
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

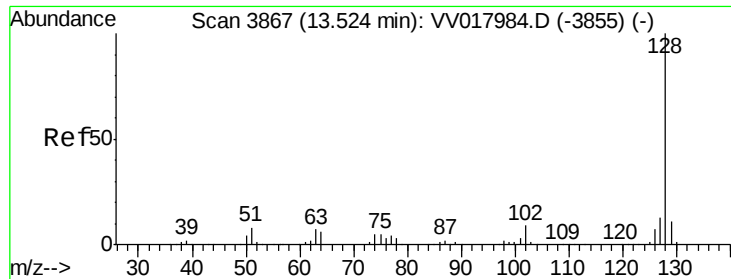
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.2	115.8
184	30.6	24.6	36.8
145	29.2	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 53.803 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018011.D
 Acq: 14 Aug 2020 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	29.8	24.0	36.0





#69

Naphthalene

Concen: 55.769 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

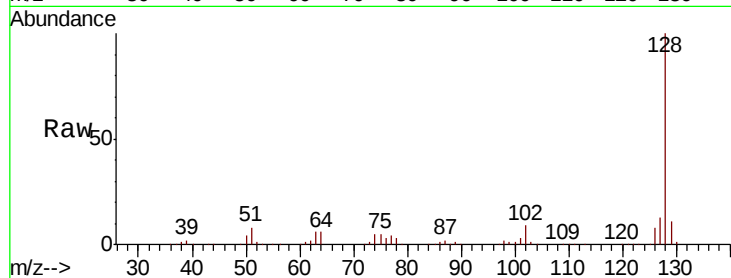
Tot Ion:128 Resp: 450427

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

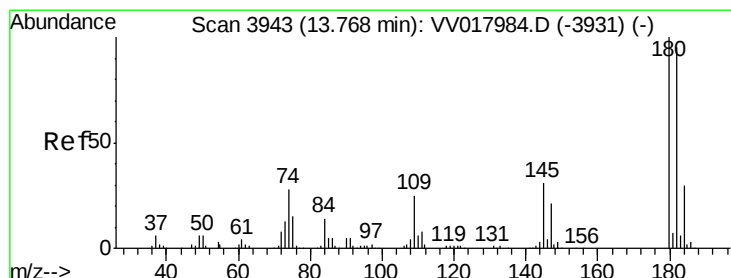
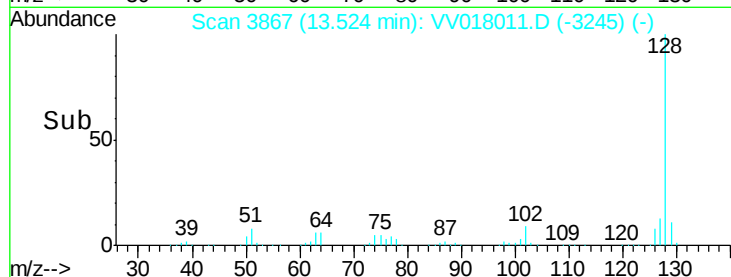
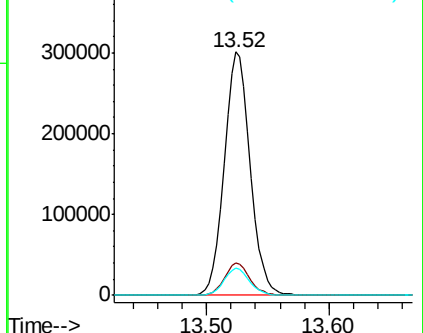
129 10.9 8.7 13.1



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: 55.549 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018011.D

Acq: 14 Aug 2020 20:57

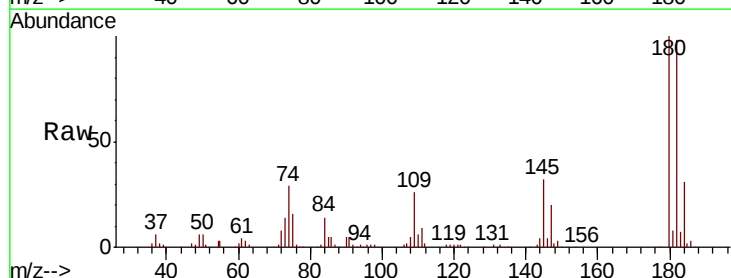
Tgt Ion:180 Resp: 165534

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 32.1 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

