

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018013.D
 Acq On : 17 Aug 2020 09:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Quant Time: Aug 18 01:17:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 14:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	261047	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261161	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145748	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101770	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	85840	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.36%
11) 1,1-Dichloroethene-d2	2.12	63	203552	53.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.86%
21) 2-Butanone-d5	3.90	46	125359	96.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.09%
24) Chloroform-d	4.37	84	191357	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
26) 1,2-Dichloroethane-d4	5.05	65	124870	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.04%
32) Benzene-d6	5.07	84	369422	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.66%
36) 1,2-Dichloropropane-d6	6.09	67	119341	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.33	98	342665	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%
43) trans-1,3-Dichloropropene-	7.64	79	58549	54.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.72%
47) 2-Hexanone-d5	8.11	63	70802	93.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	150130	49.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	141397	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	104978	52.089 ug/L	99
3) Chloromethane	1.25	50	116002	49.550 ug/L	99
5) Vinyl chloride	1.32	62	120634	52.007 ug/L	99
6) Bromomethane	1.53	94	65201	47.031 ug/L	100
8) Chloroethane	1.60	64	78302	52.889 ug/L	99
9) Trichlorofluoromethane	1.77	101	173948	52.498 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101796	55.023 ug/L	98
12) 1,1-Dichloroethene	2.13	96	94651	54.053 ug/L	97
13) Acetone	2.19	43	172061	127.697 ug/L	99
14) Carbon disulfide	2.31	76	269606	55.940 ug/L	99
15) Methyl Acetate	2.44	43	109599	50.403 ug/L	98
16) Methylene chloride	2.52	84	108760	48.752 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	96570	53.650 ug/L	100
18) Methyl tert-butyl Ether	2.78	73	315608	53.017 ug/L	99
19) 1,1-Dichloroethane	3.21	63	194477	53.732 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	106956	54.071 ug/L	99
22) 2-Butanone	3.99	43	183575	121.445 ug/L	99

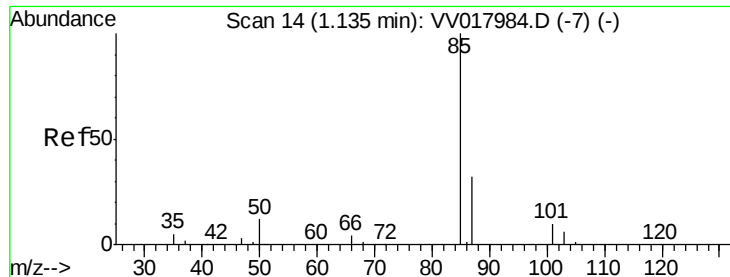
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018013.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 14:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56118	54.308	ug/L	97
25) Chloroform	4.40	83	199311	53.990	ug/L	99
27) 1,2-Dichloroethane	5.15	62	158244	53.854	ug/L	98
29) Cyclohexane	4.70	56	164905	52.317	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	168646	52.696	ug/L	98
31) Carbon tetrachloride	4.85	117	145397	54.573	ug/L	100
33) Benzene	5.12	78	420505	52.043	ug/L	100
34) Trichloroethene	5.94	95	112224	52.545	ug/L	99
35) Methylcyclohexane	6.15	83	170897	53.812	ug/L	99
37) 1,2-Dichloropropane	6.20	63	114450	51.940	ug/L	100
38) Bromodichloromethane	6.53	83	147884	54.032	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	172990	55.380	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	292572	101.569	ug/L	99
42) Toluene	7.41	91	448502	53.195	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	168707	56.922	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	105865	51.879	ug/L	99
46) Tetrachloroethene	8.00	164	85913	54.849	ug/L	97
48) 2-Hexanone	8.16	43	258199	111.158	ug/L	99
49) Dibromochloromethane	8.27	129	113239	56.853	ug/L	98
50) 1,2-Dibromoethane	8.37	107	111032	52.590	ug/L	96
51) Chlorobenzene	8.90	112	289112	53.317	ug/L	99
52) Ethylbenzene	9.03	91	497489	54.116	ug/L	100
53) m,p-Xylene	9.16	106	185653	54.908	ug/L	98
54) o-xylene	9.56	106	179135	53.611	ug/L	98
55) Styrene	9.58	104	324720	56.749	ug/L	98
56) Isopropylbenzene	9.95	105	483282	54.826	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	158045	49.737	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	135534	49.805	ug/L	100
61) Bromoform	9.75	173	77130	55.929	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	241750	52.161	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	250091	52.528	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	244149	51.180	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34670	49.327	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	192344	54.632	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	172733	55.803	ug/L	99
69) Naphthalene	13.52	128	455308	53.366	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	174864	55.550	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.089 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

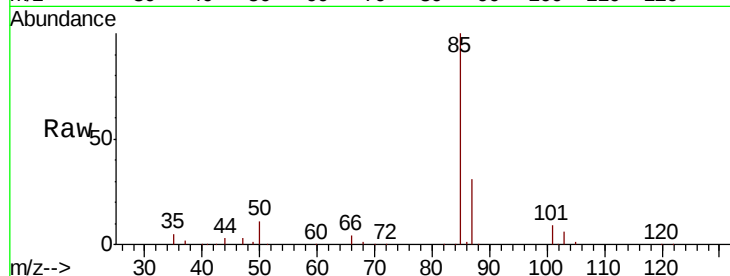
VSTD05071

Tot Ion: 85 Resp: 104978

Ion Ratio Lower Upper

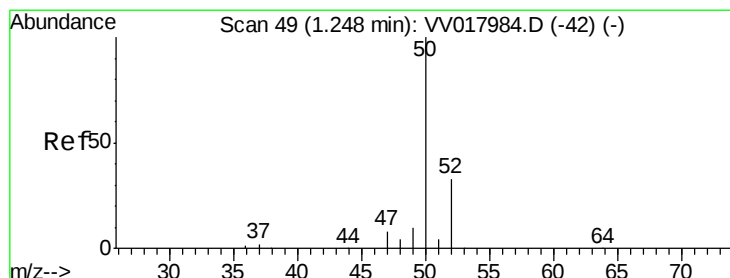
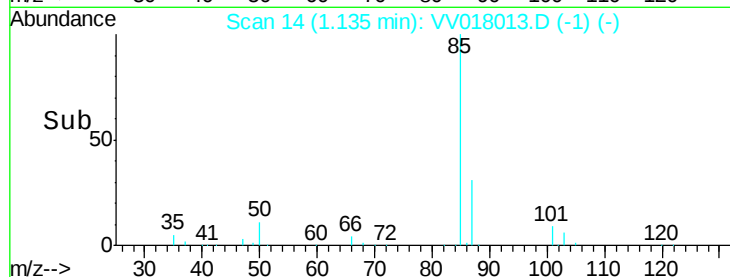
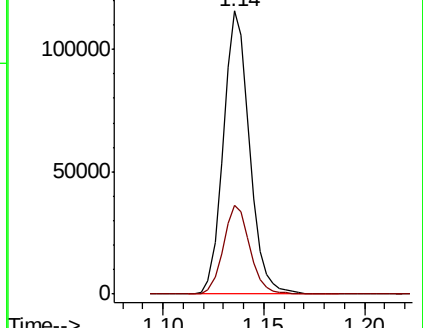
85 100

87 31.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018013.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018013.D (-1) (-)



#3

Chloromethane

Concen: 49.550 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018013.D

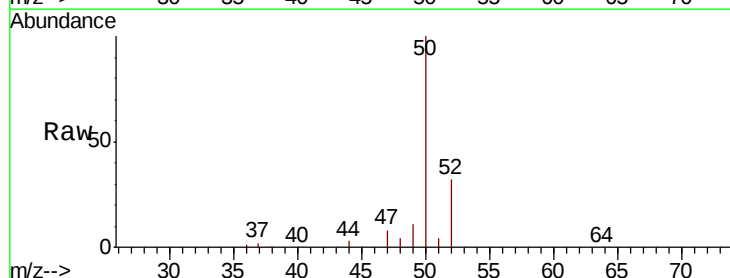
Acq: 17 Aug 2020 09:50

Tgt Ion: 50 Resp: 116002

Ion Ratio Lower Upper

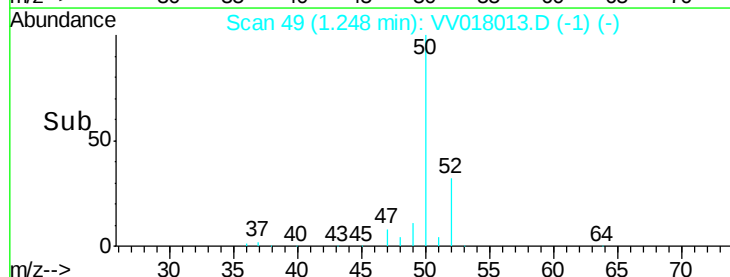
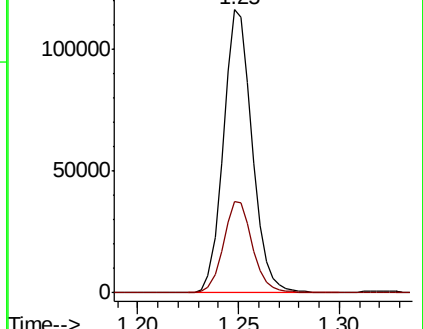
50 100

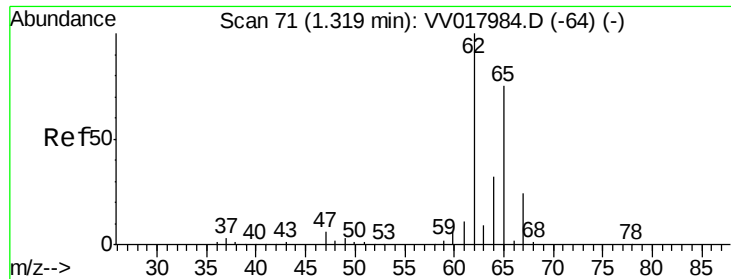
52 32.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018013.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018013.D (-1) (-)





#5

Vinyl chloride

Concen: 52.007 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

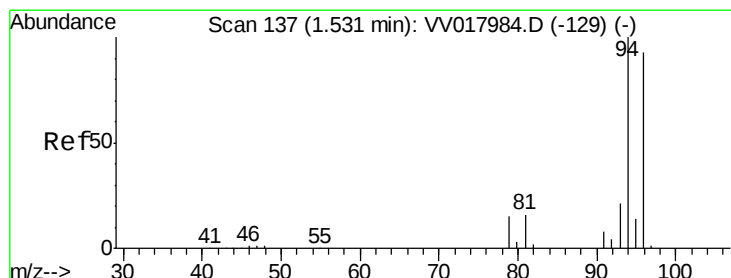
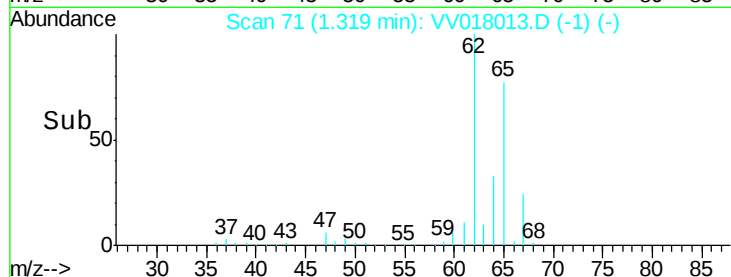
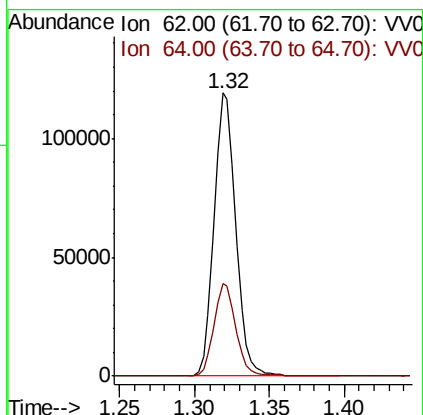
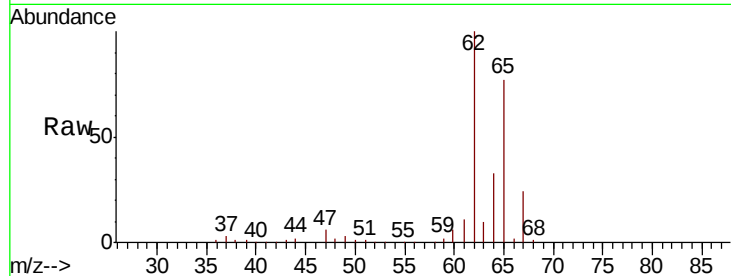
VSTD05071

Tot Ion: 62 Resp: 120634

Ion Ratio Lower Upper

62 100

64 32.8 22.4 41.6



#6

Bromomethane

Concen: 47.031 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018013.D

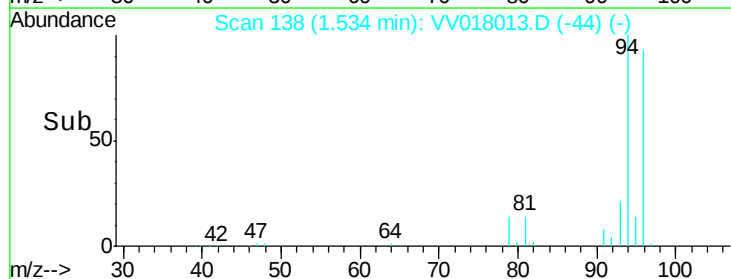
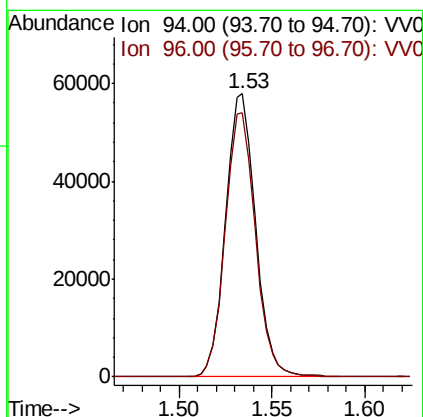
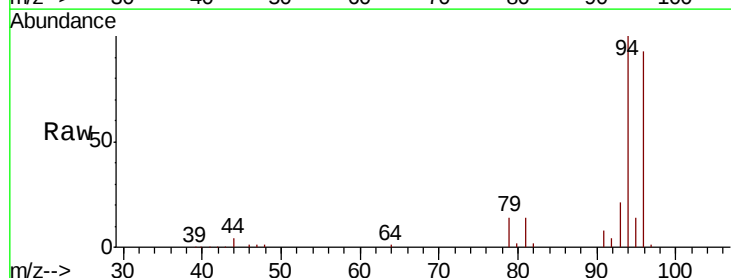
Acq: 17 Aug 2020 09:50

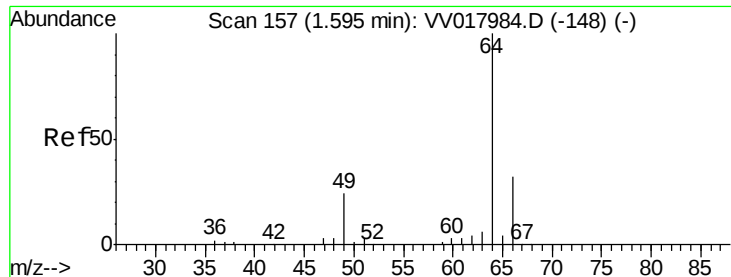
Tgt Ion: 94 Resp: 65201

Ion Ratio Lower Upper

94 100

96 93.3 65.5 121.7





#8

Chloroethane

Concen: 52.889 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

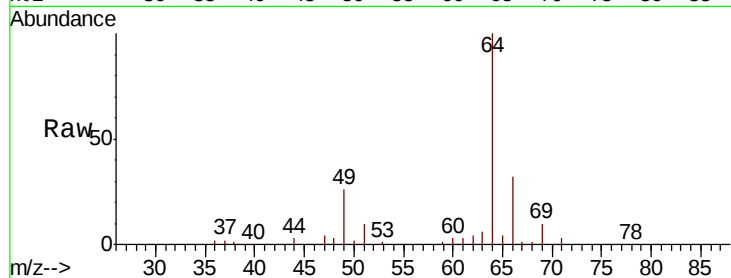
VSTD05071

Tot Ion: 64 Resp: 78302

Ion Ratio Lower Upper

64 100

66 31.5 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017984.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017984.D (-148) (-)

1.60

80000

60000

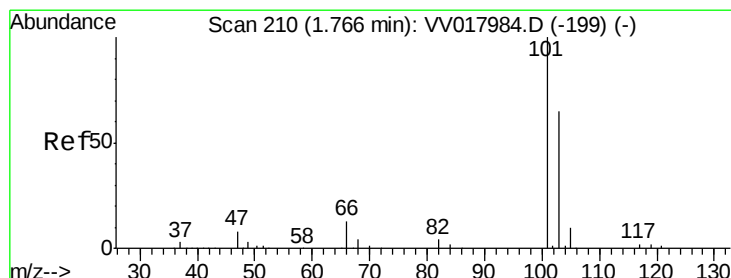
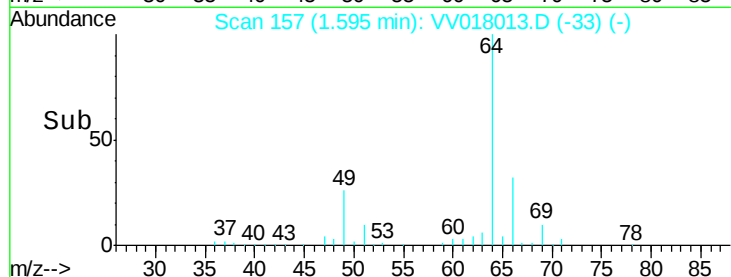
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 52.498 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018013.D

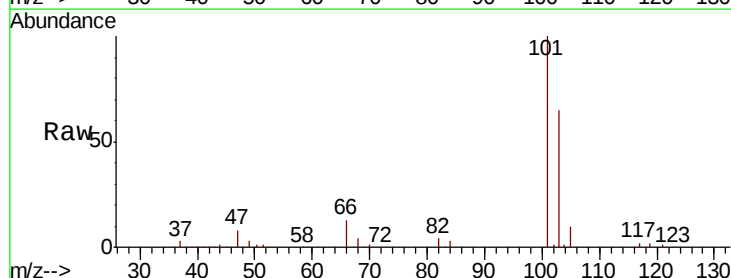
Acq: 17 Aug 2020 09:50

Tgt Ion:101 Resp: 173948

Ion Ratio Lower Upper

101 100

103 64.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV017984.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV017984.D (-199) (-)

1.77

150000

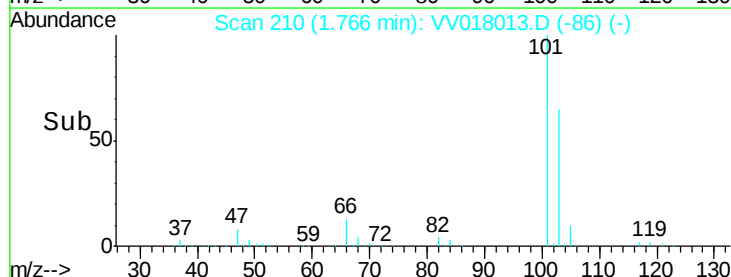
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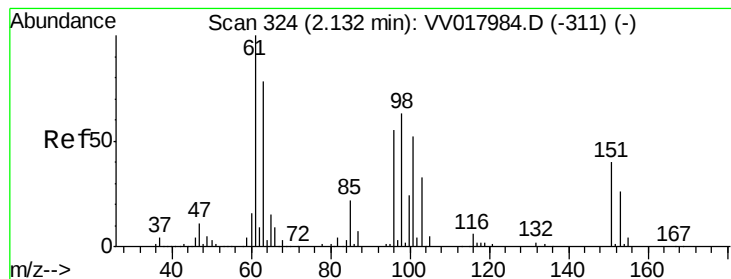
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 55.023 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

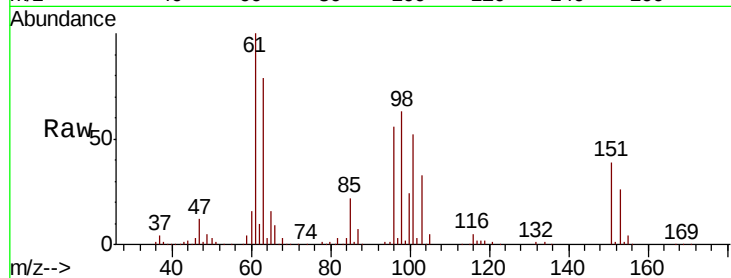
Tot Ion:101 Resp: 101796

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

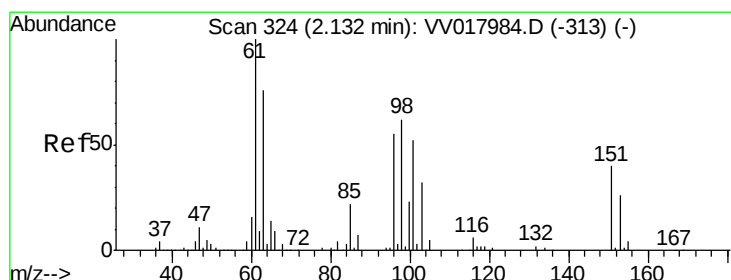
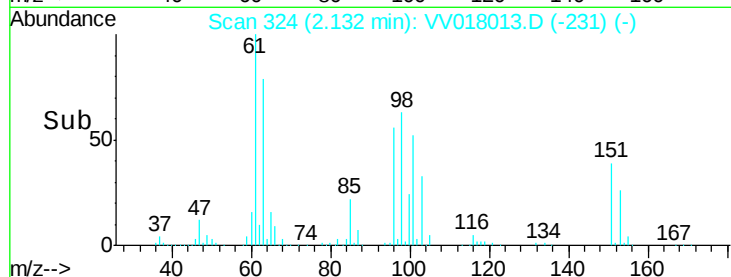
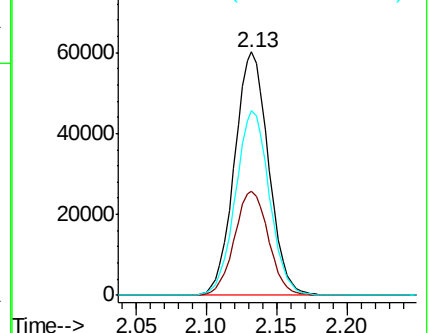
151 75.7 59.1 88.7



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: 54.053 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

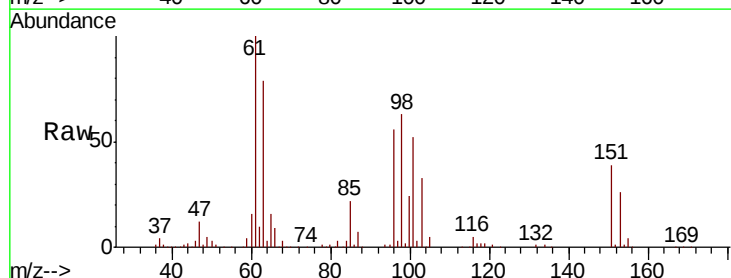
Tgt Ion: 96 Resp: 94651

Ion Ratio Lower Upper

96 100

61 177.5 127.1 236.0

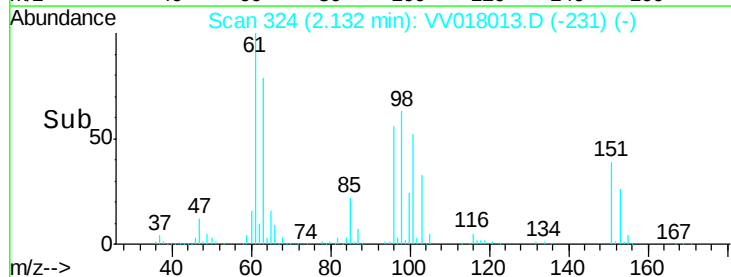
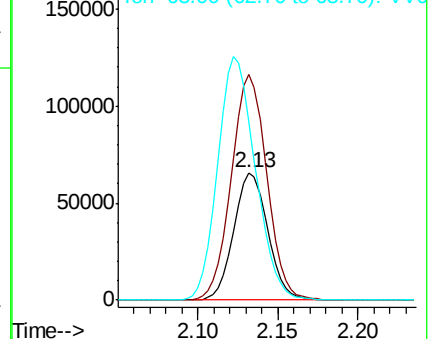
63 140.7 95.2 176.8

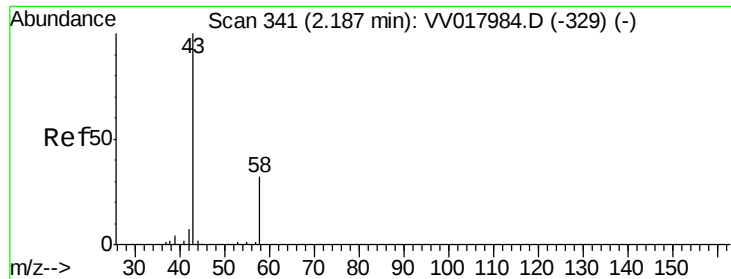


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 127.697 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

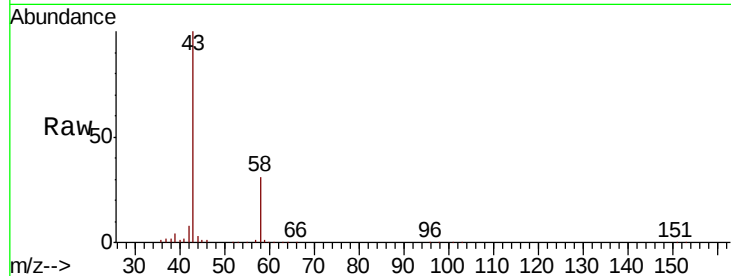
VSTD05071

Tot Ion: 43 Resp: 172061

Ion Ratio Lower Upper

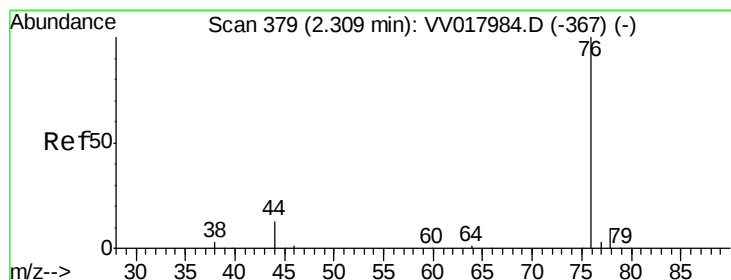
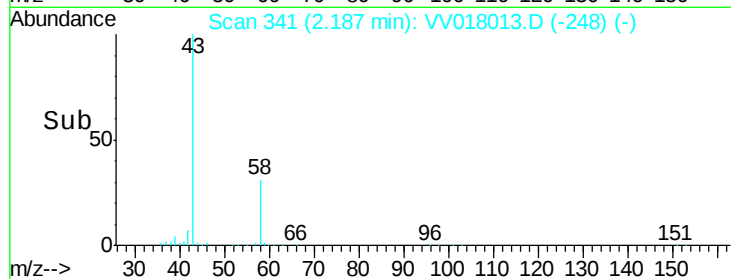
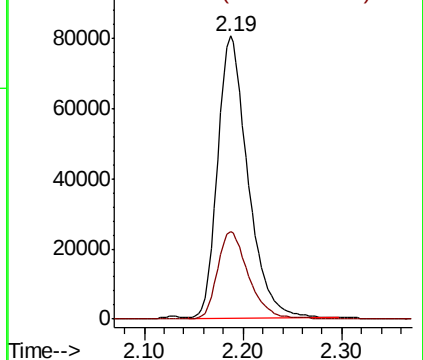
43 100

58 31.4 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 55.940 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018013.D

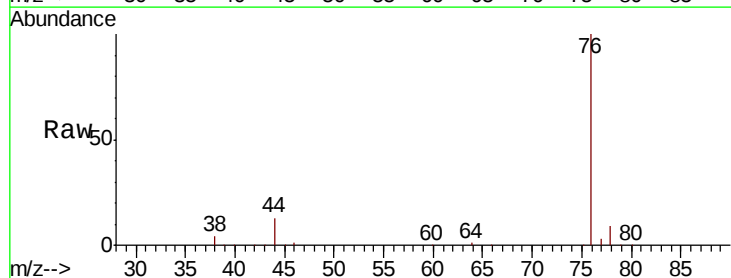
Acq: 17 Aug 2020 09:50

Tgt Ion: 76 Resp: 269606

Ion Ratio Lower Upper

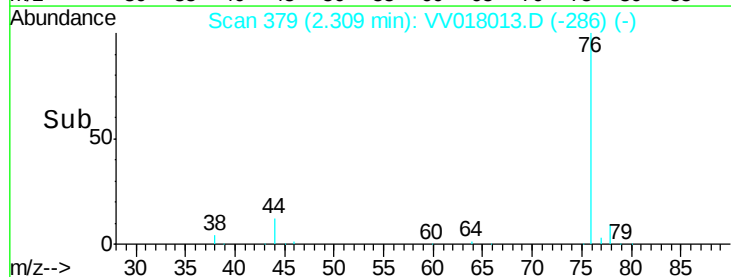
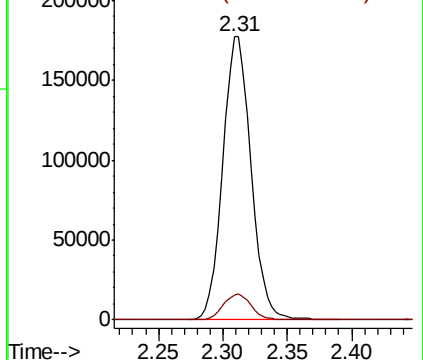
76 100

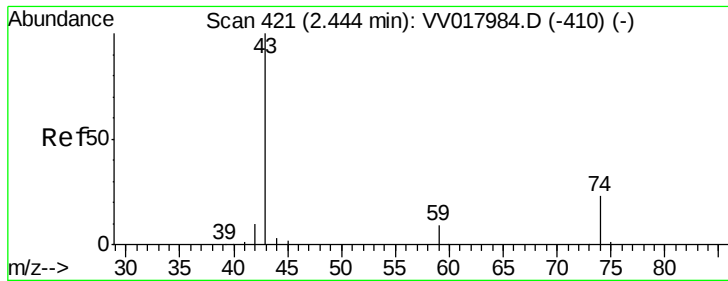
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

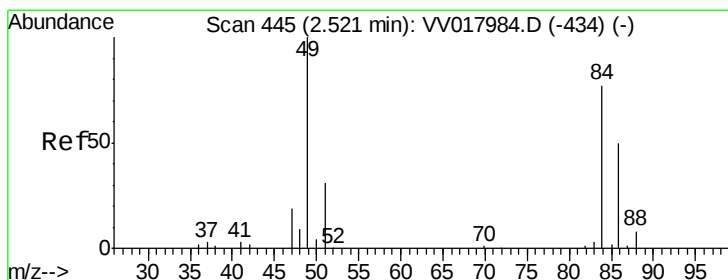
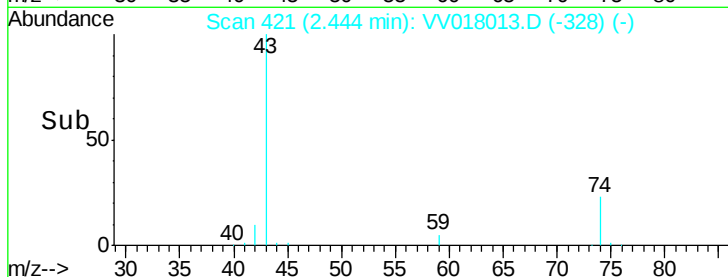
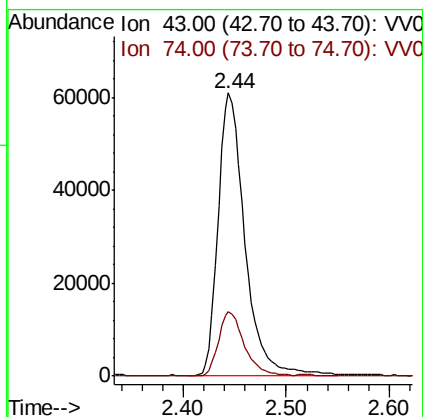
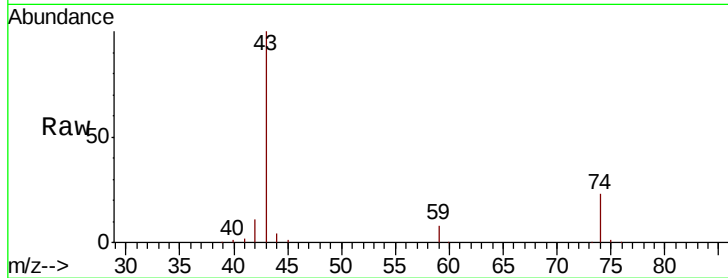




#15
Methvl Acetate
Concen: 50.403 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

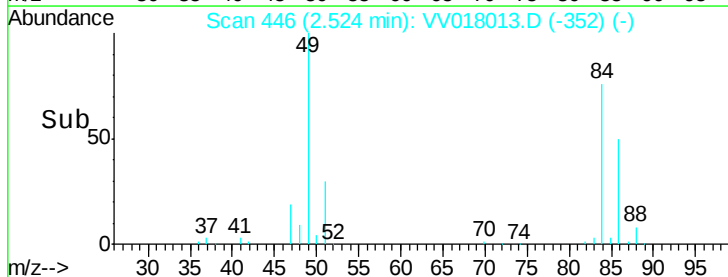
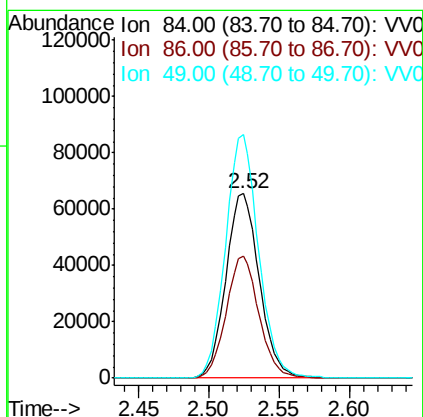
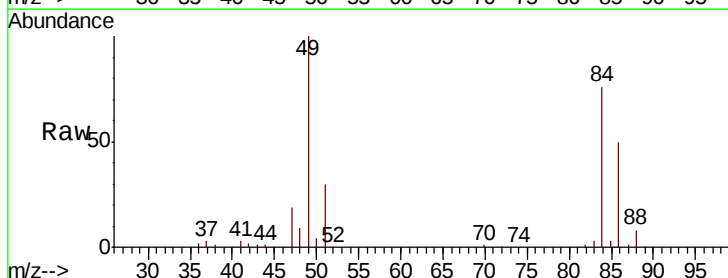
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

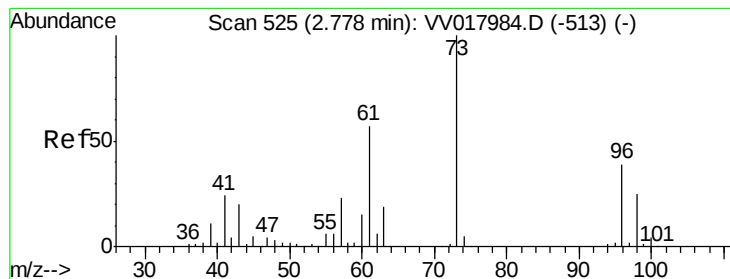
Tot Ion: 43 Resp: 109599
Ion Ratio Lower Upper
43 100
74 22.1 18.4 27.6



#16
Methylene chloride
Concen: 48.752 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Tgt Ion: 84 Resp: 108760
Ion Ratio Lower Upper
84 100
86 66.3 46.3 85.9
49 131.9 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 53.650 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

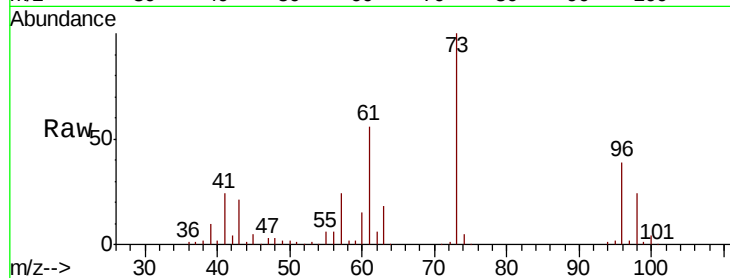
MSVOA_V

ClientSampleId :

VSTD05071

Tot Ion: 96 Resp: 96570

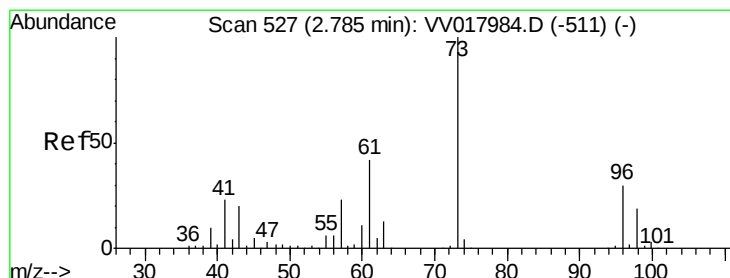
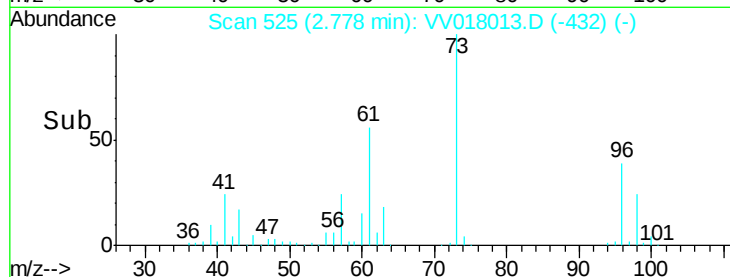
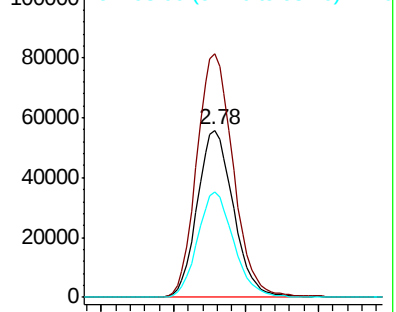
Ion	Ratio	Lower	Upper
96	100		
61	145.6	102.4	190.2
98	63.3	44.4	82.5



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: 53.017 ug/L

RT: 2.78 min Scan# 526

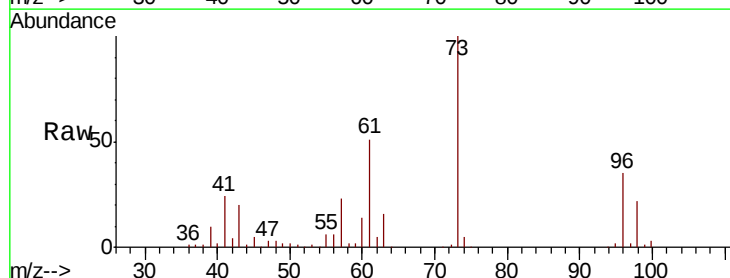
Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Tgt Ion: 73 Resp: 315608

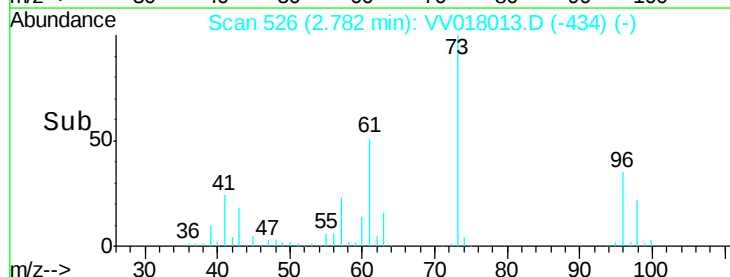
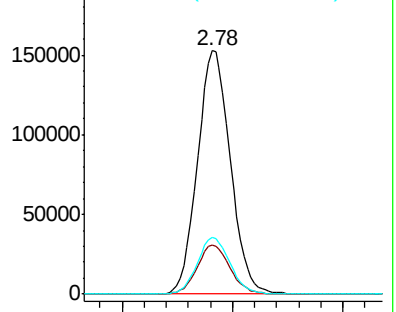
Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.9	23.9
57	23.1	18.1	27.1

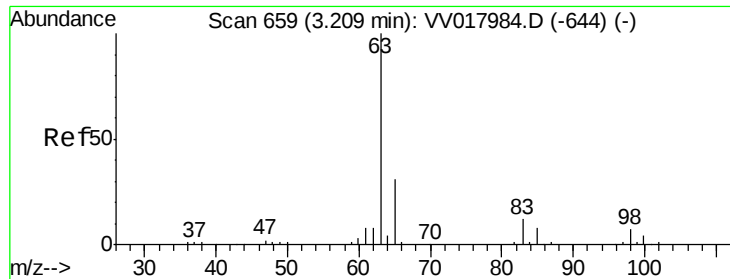


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 53.732 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

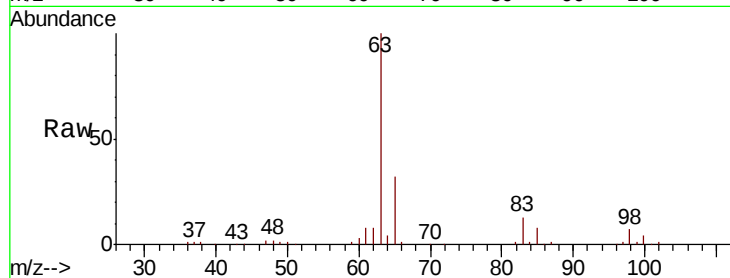
Tot Ion: 63 Resp: 194477

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

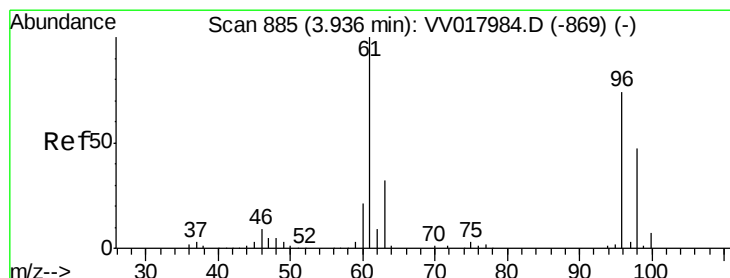
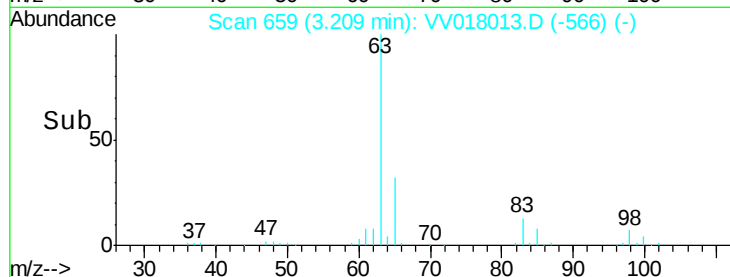
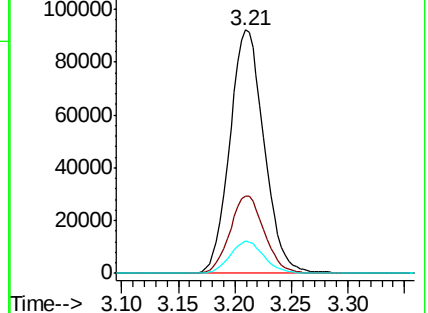
83 13.1 9.2 17.2



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: 54.071 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

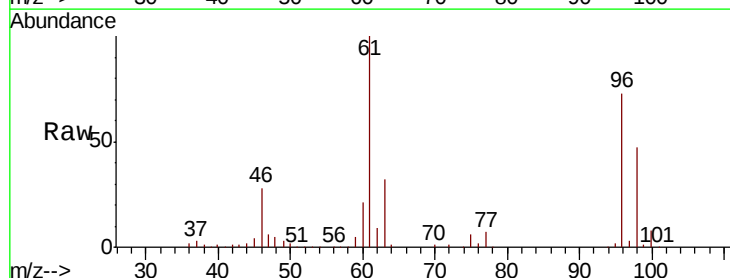
Tgt Ion: 96 Resp: 106956

Ion Ratio Lower Upper

96 100

61 136.6 95.0 176.4

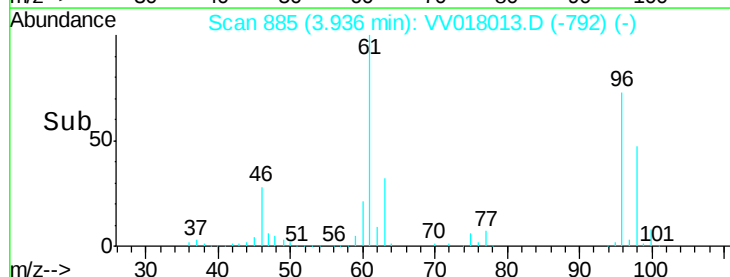
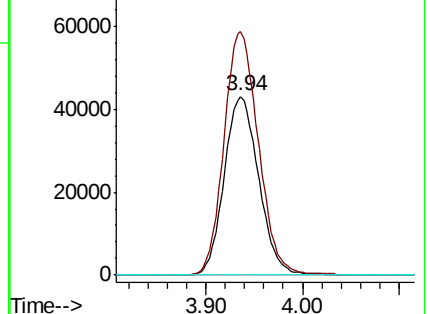
68 0.0 0.0 0.0

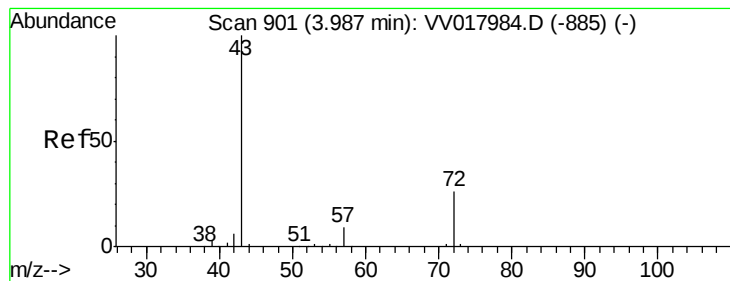


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 121.445 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

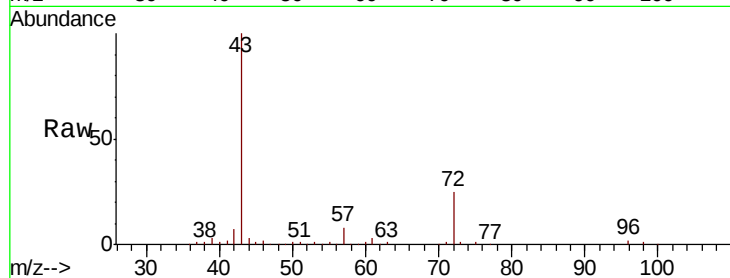
VSTD05071

Tot Ion: 43 Resp: 183575

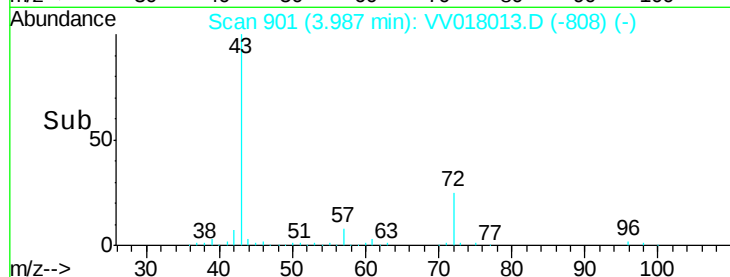
Ion Ratio Lower Upper

43 100

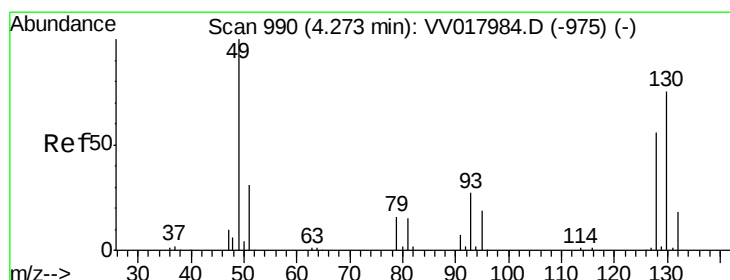
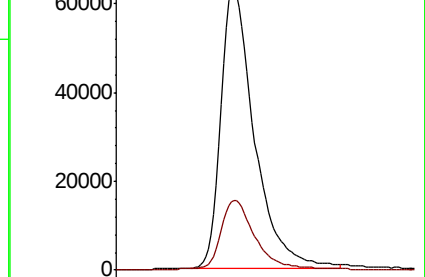
72 26.0 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018013.D (-897) (-)



Ion 72.00 (71.70 to 72.70): VV018013.D (-897) (-)



#23

Bromochloromethane

Concen: 54.308 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Tgt Ion:128 Resp: 56118

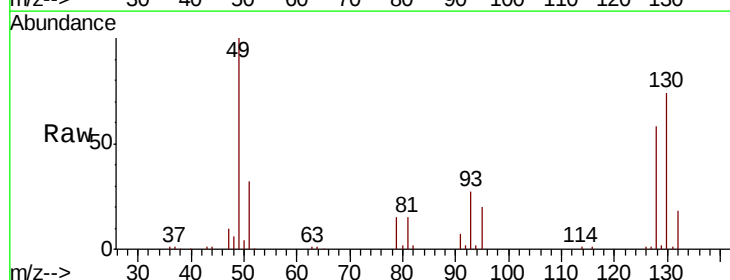
Ion Ratio Lower Upper

128 100

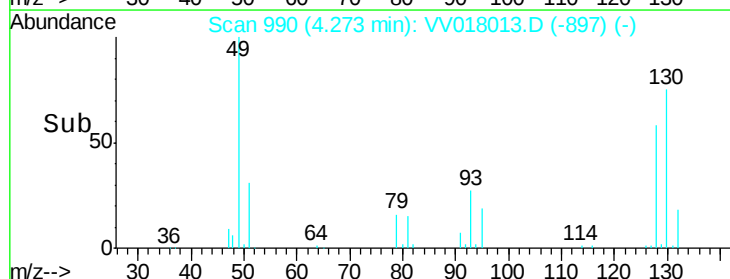
49 173.3 125.6 233.3

130 128.5 89.9 167.0

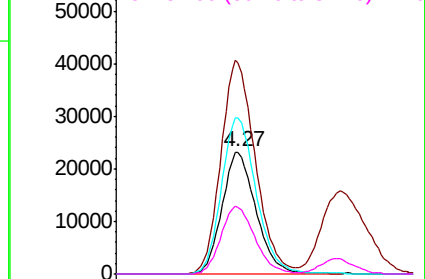
51 54.7 45.8 68.6

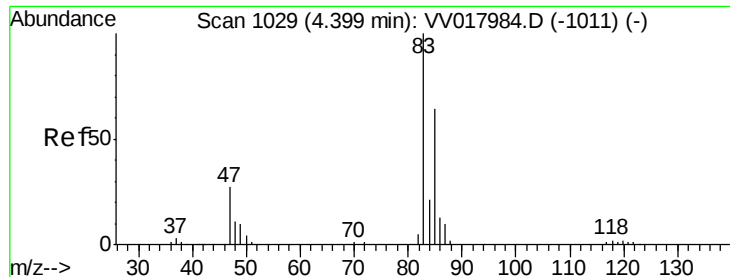


Abundance Ion 128.00 (127.70 to 128.70): VV018013.D (-897) (-)



Ion 49.00 (48.70 to 49.70): VV018013.D (-897) (-)

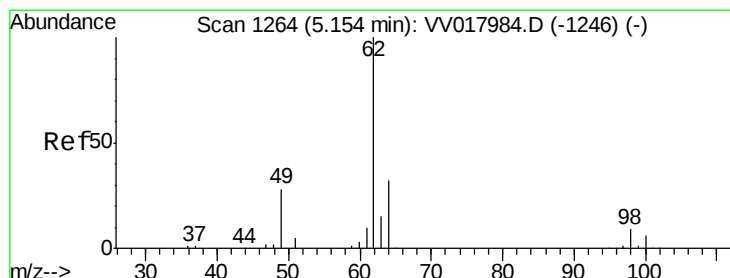
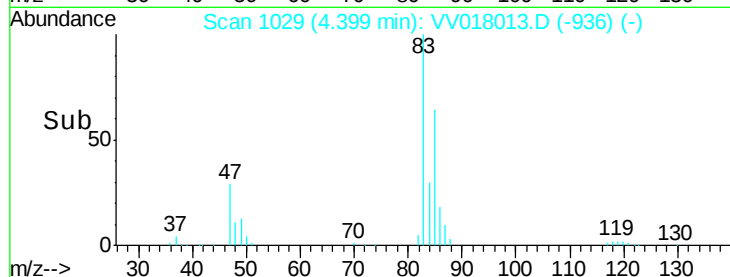
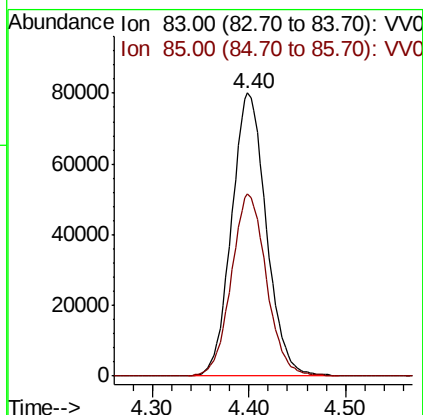
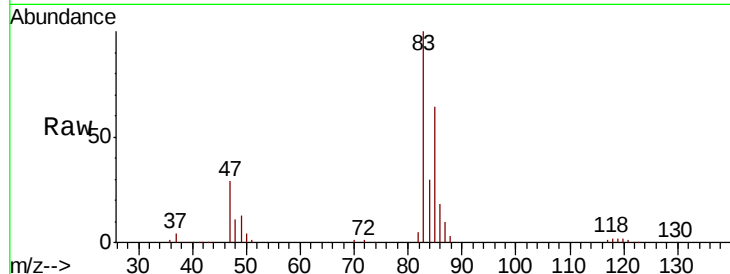




#25
Chloroform
Concen: 53.990 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

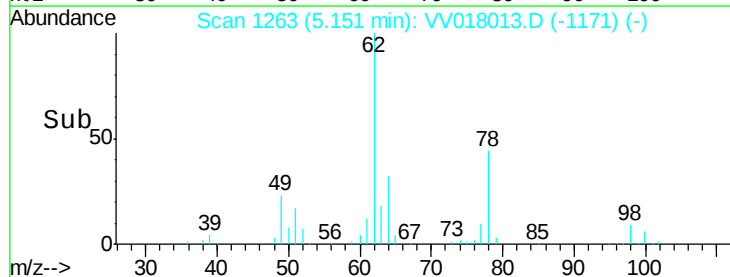
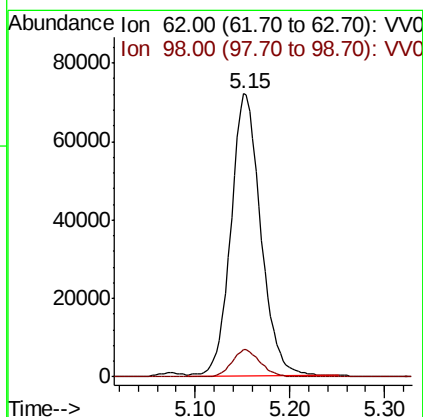
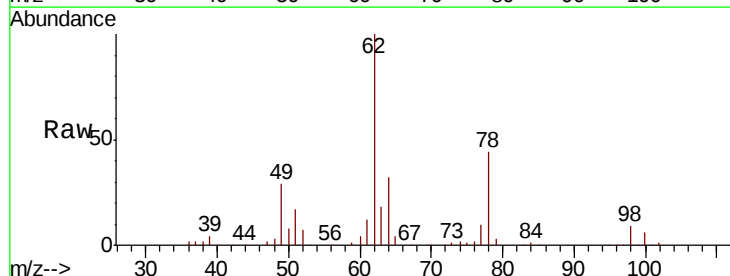
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

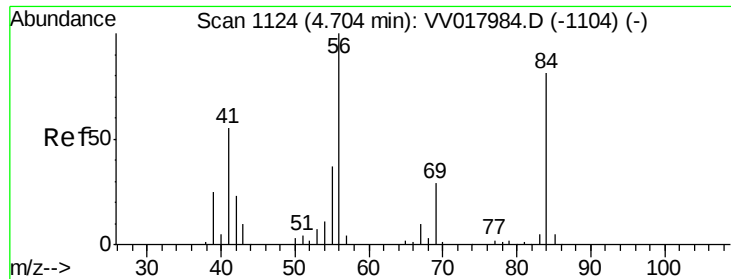
Tot Ion: 83 Resp: 199311
Ion Ratio Lower Upper
83 100
85 64.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 53.854 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Tgt Ion: 62 Resp: 158244
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7

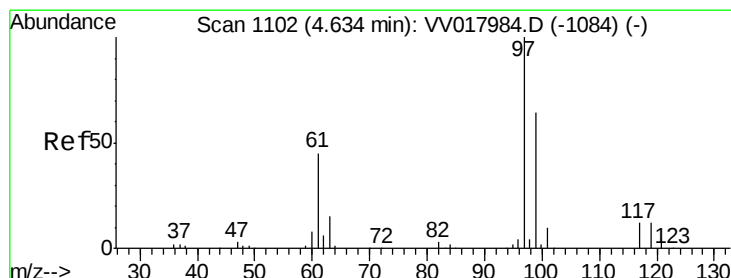
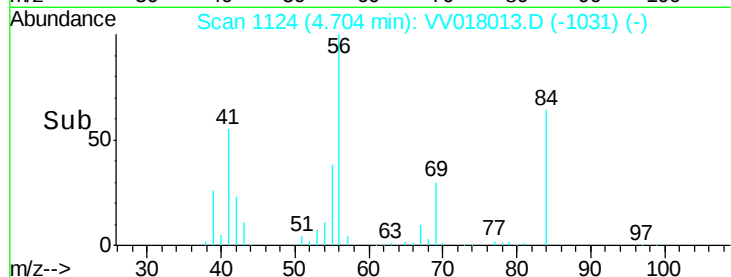
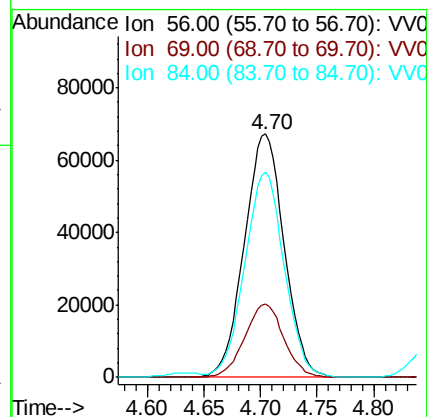
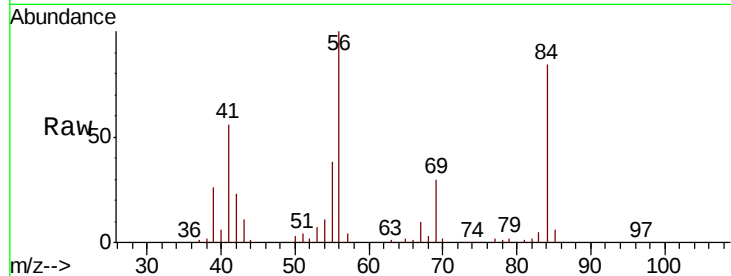




#29
Cyclohexane
Concen: 52.317 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

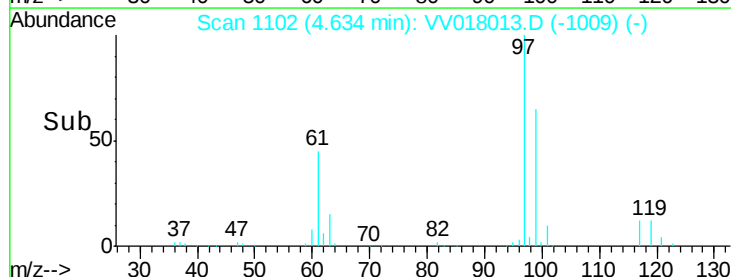
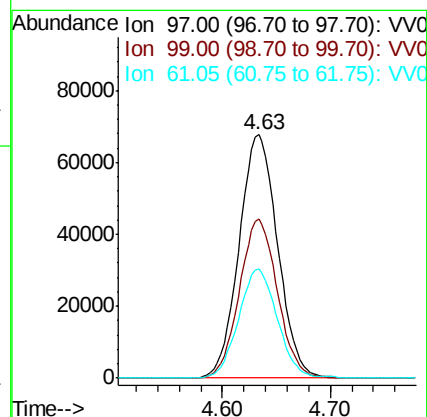
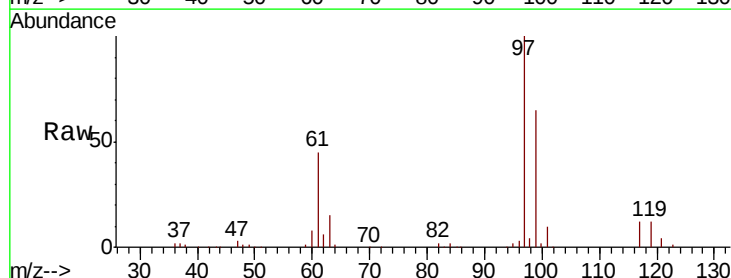
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

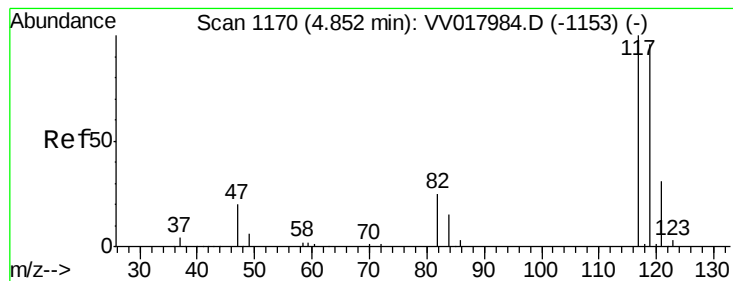
Tot Ion: 56 Resp: 164905
Ion Ratio Lower Upper
56 100
69 29.5 23.8 35.8
84 83.8 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 52.696 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Tgt Ion: 97 Resp: 168646
Ion Ratio Lower Upper
97 100
99 64.5 50.6 76.0
61 45.2 37.0 55.6





#31

Carbon tetrachloride

Concen: 54.573 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

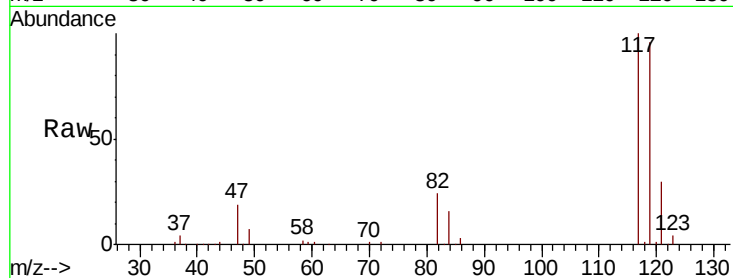
VSTD05071

Tot Ion:117 Resp: 145397

Ion Ratio Lower Upper

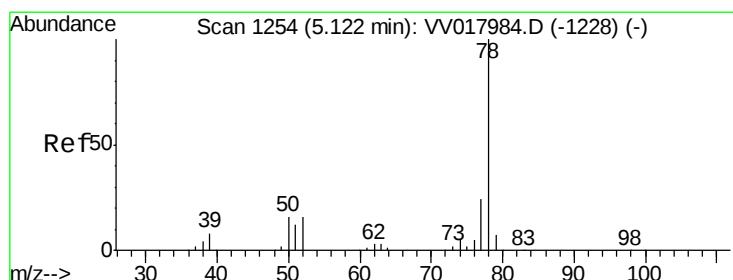
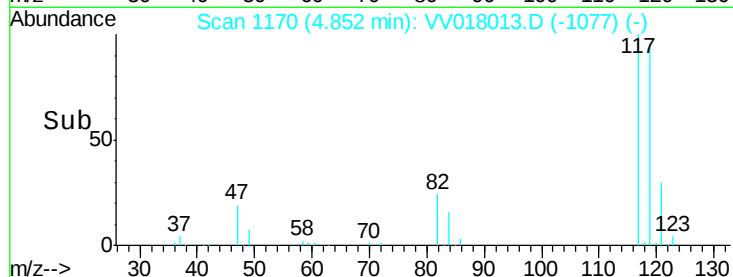
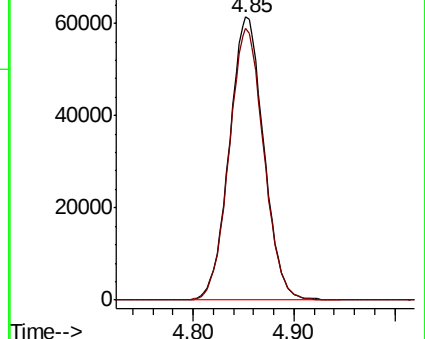
117 100

119 96.4 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: 52.043 ug/L

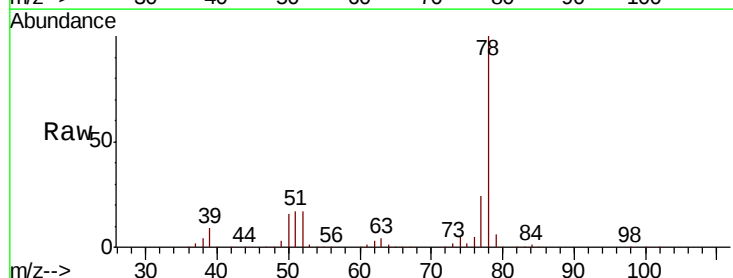
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

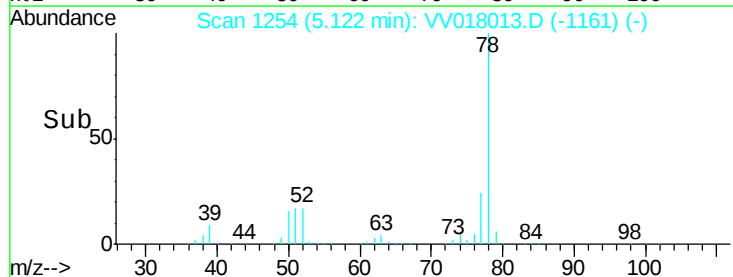
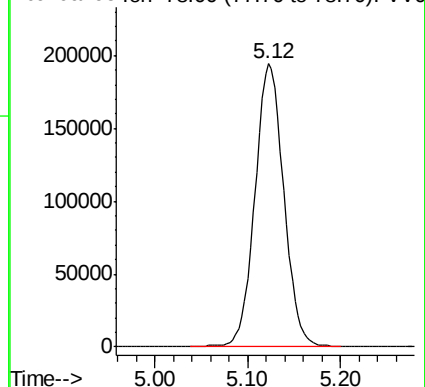
Lab File: VV018013.D

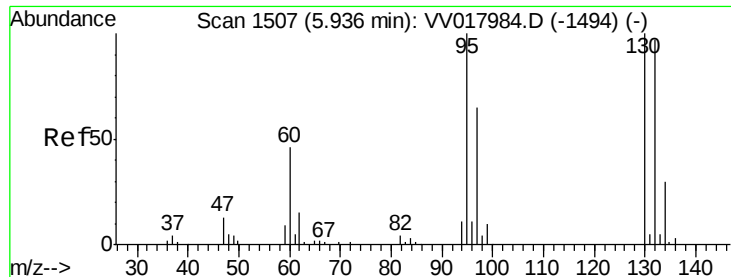
Acq: 17 Aug 2020 09:50

Tgt Ion: 78 Resp: 420505



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.545 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

Tot Ion: 95 Resp: 112224

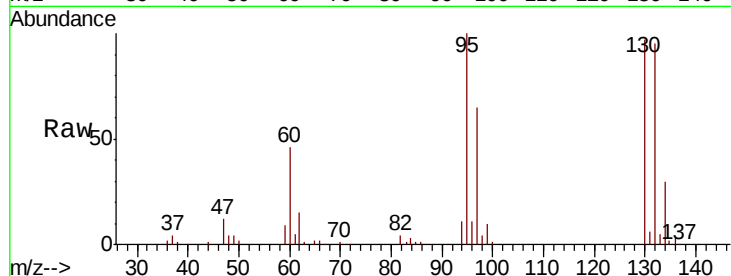
Ion Ratio Lower Upper

95 100

97 65.0 46.0 85.4

132 95.0 65.8 122.2

130 97.1 69.2 128.6

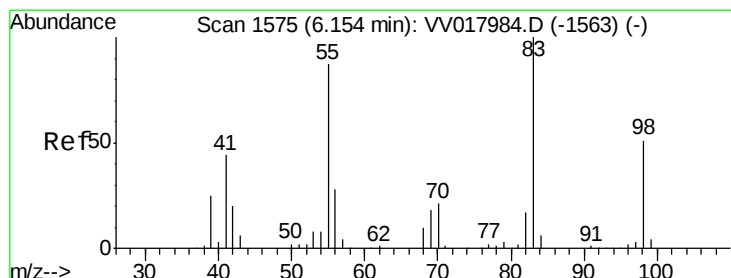
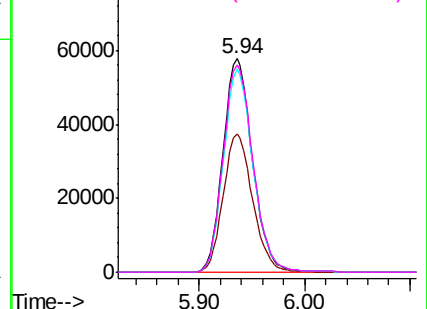
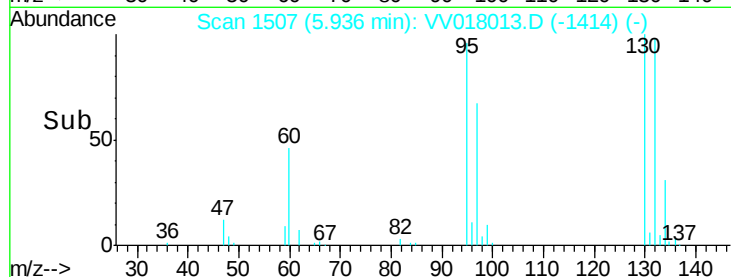


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 53.812 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

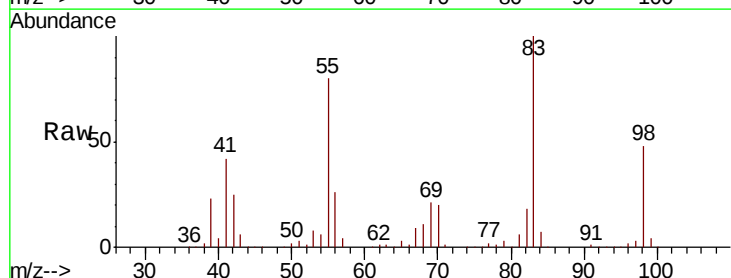
Tgt Ion: 83 Resp: 170897

Ion Ratio Lower Upper

83 100

55 80.5 64.9 97.3

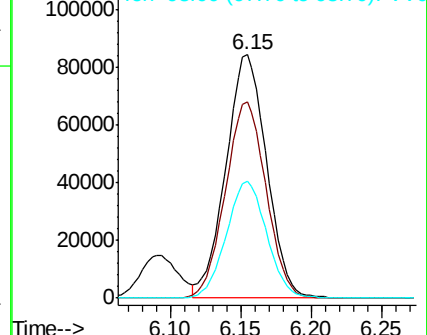
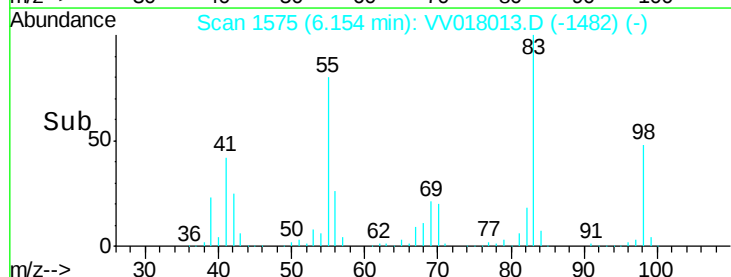
98 47.5 38.7 58.1

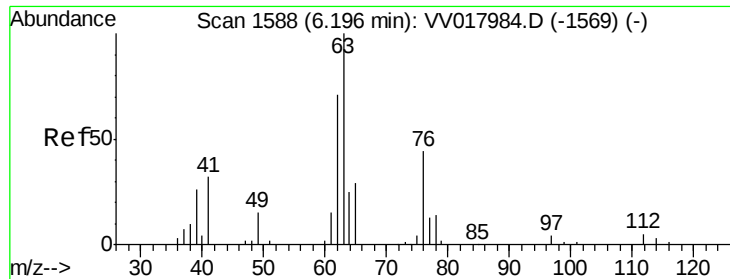


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

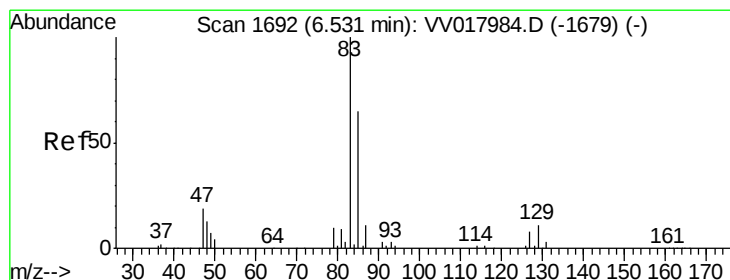
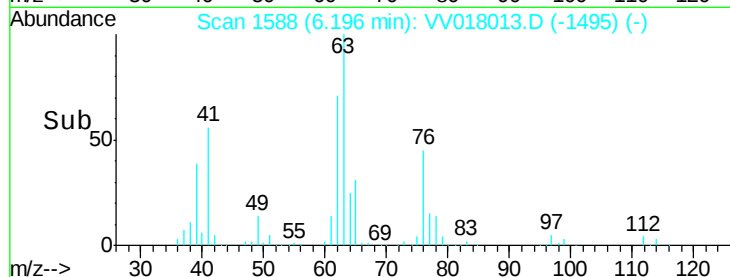
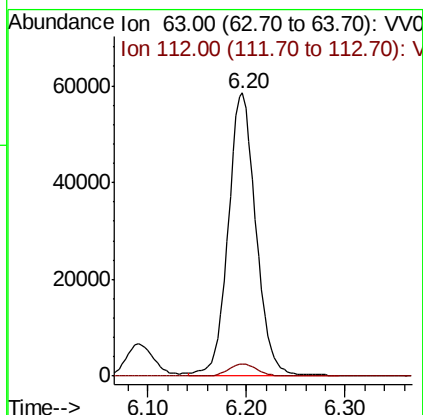
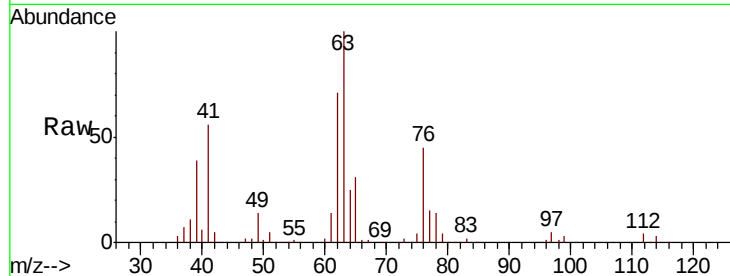




#37
 1,2-Dichloropropane
 Concen: 51.940 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018013.D
 Acq: 17 Aug 2020 09:50

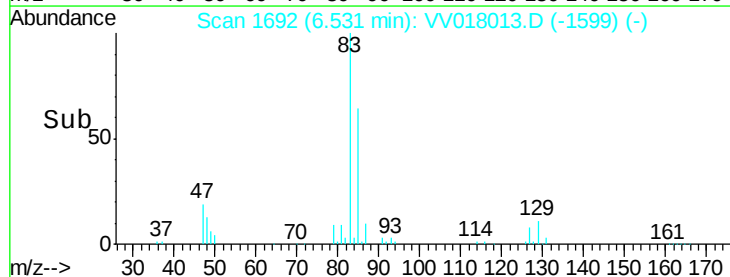
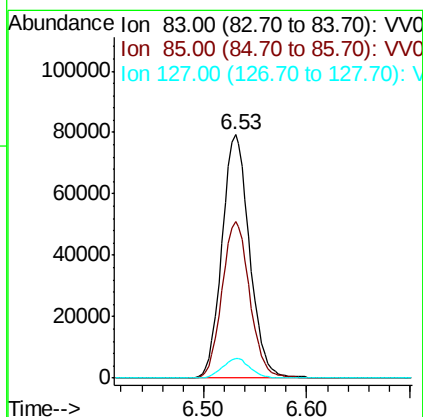
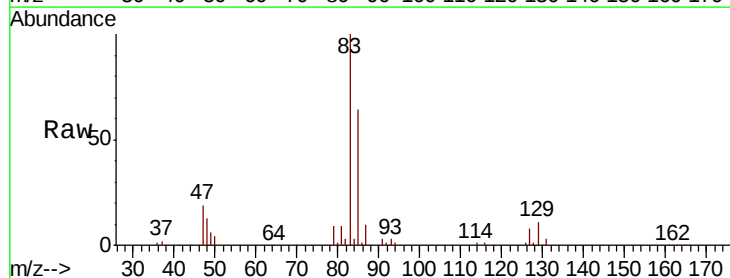
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

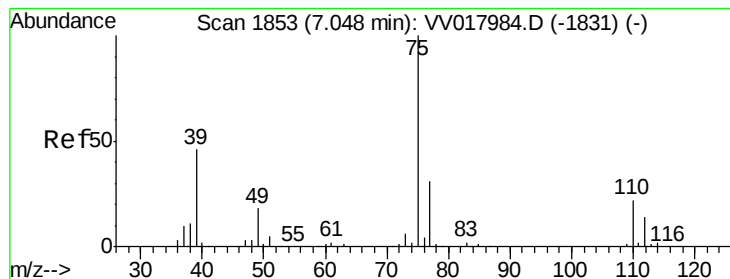
Tot Ion: 63 Resp: 114450
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 54.032 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018013.D
 Acq: 17 Aug 2020 09:50

Tgt Ion: 83 Resp: 147884
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.3 82.3
 127 8.2 6.5 9.7



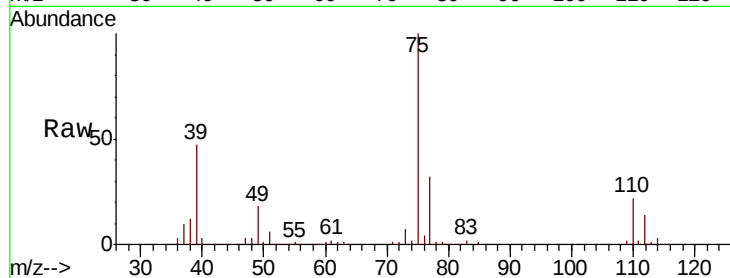


#39

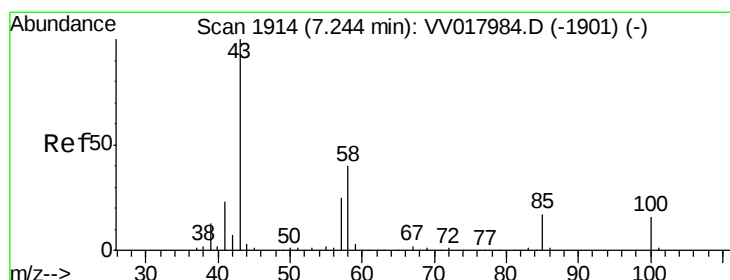
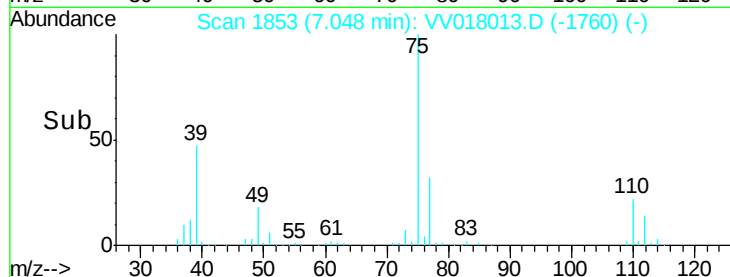
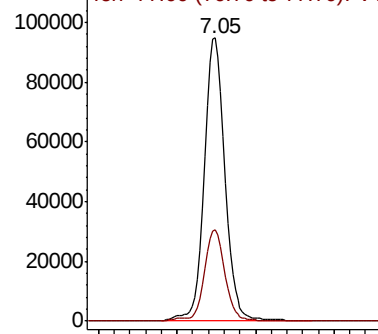
cis-1,3-Dichloropropene
Concen: 55.380 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Instrument :
MSVOA_V
ClientSampled :
VSTD05071

Tot Ion: 75 Resp: 172990
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5



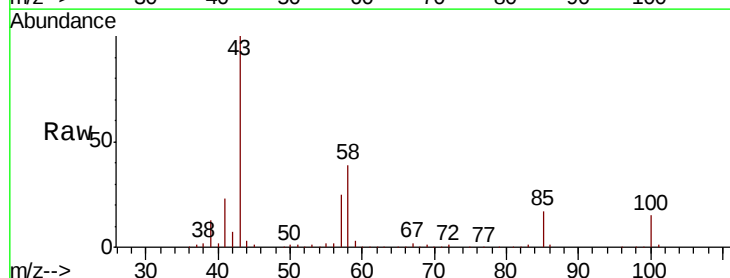
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



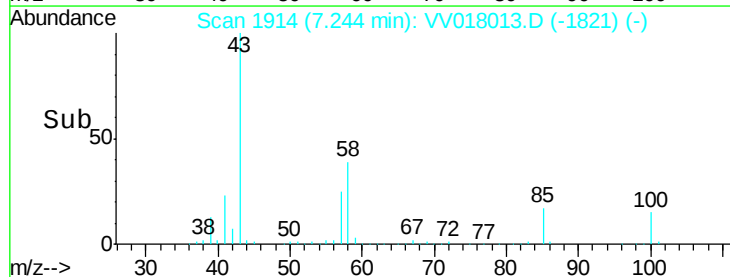
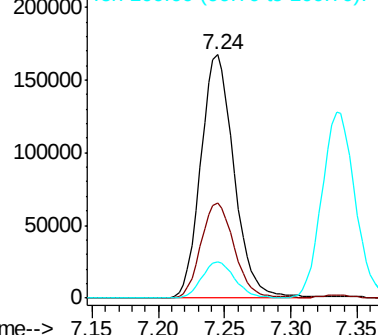
#40

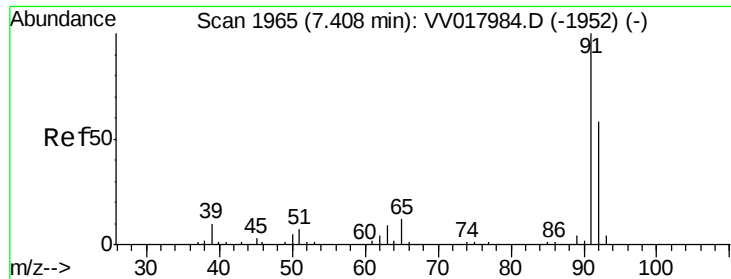
4-Methyl-2-pentanone
Concen: 101.569 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Tgt Ion: 43 Resp: 292572
Ion Ratio Lower Upper
43 100
58 39.3 31.9 47.9
100 14.8 12.2 18.2



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





#42

Toluene

Concen: 53.195 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

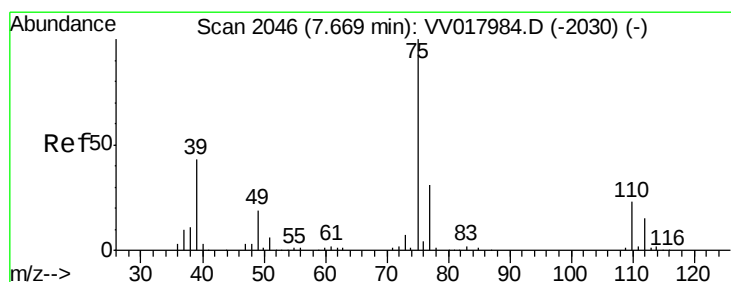
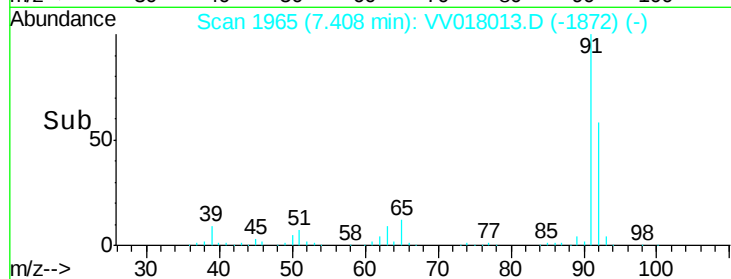
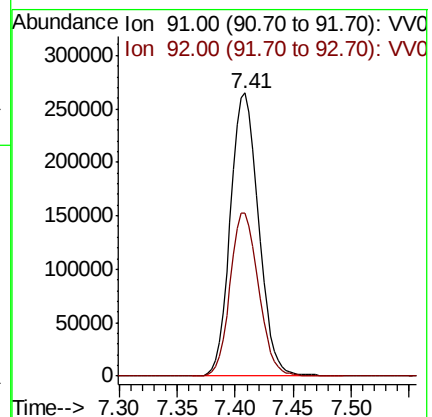
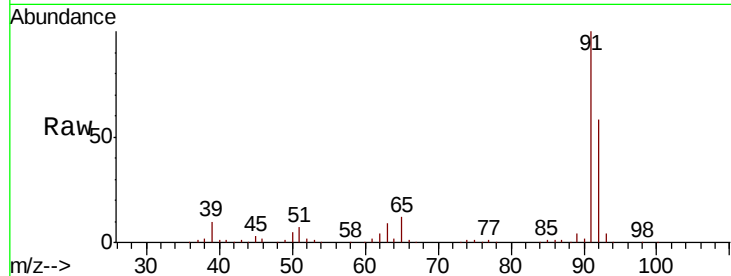
VSTD05071

Tot Ion: 91 Resp: 448502

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 56.922 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018013.D

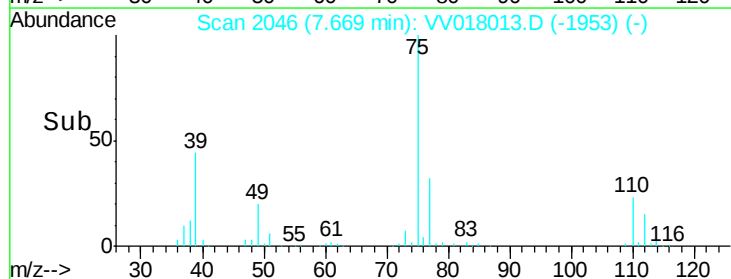
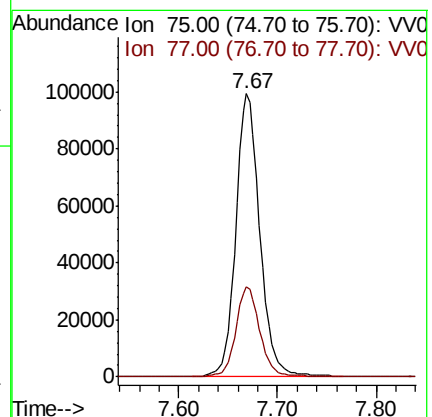
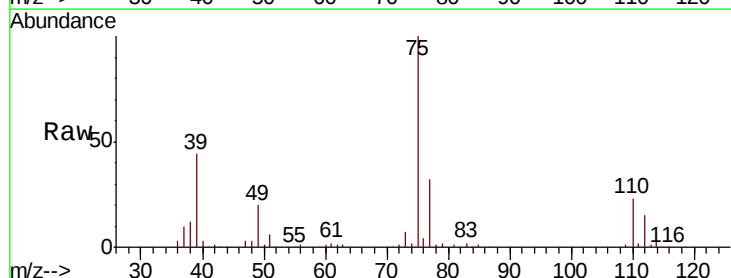
Acq: 17 Aug 2020 09:50

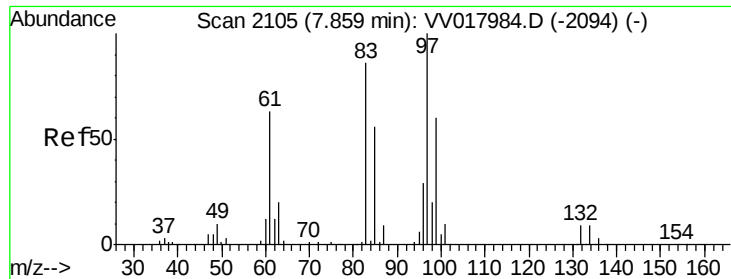
Tgt Ion: 75 Resp: 168707

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

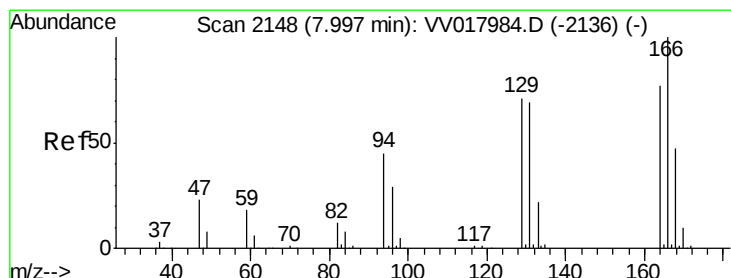
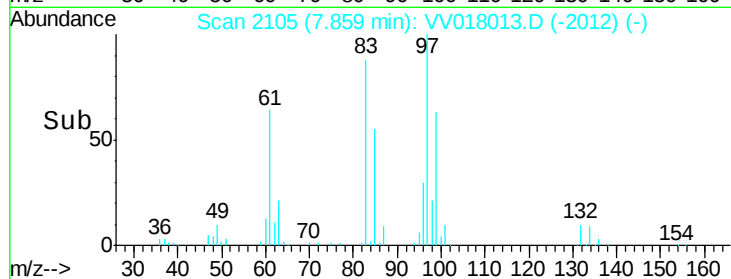
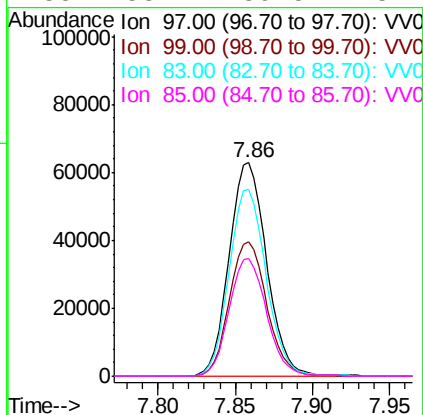
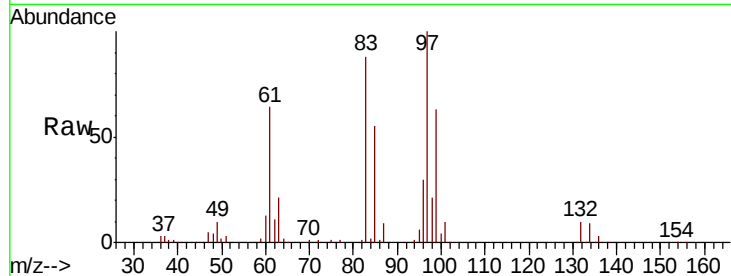




#45
 1,1,2-Trichloroethane
 Concen: 51.879 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018013.D
 Acq: 17 Aug 2020 09:50

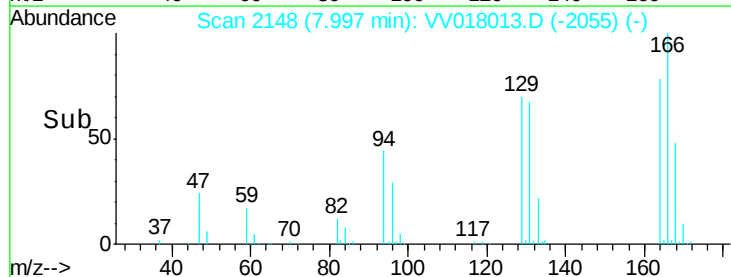
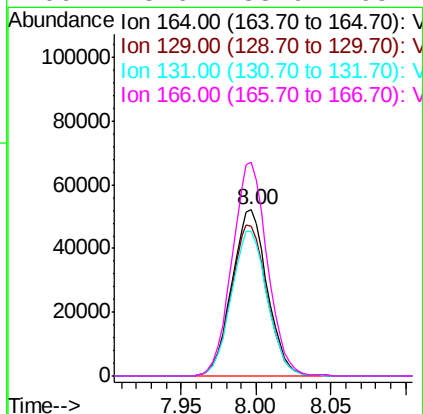
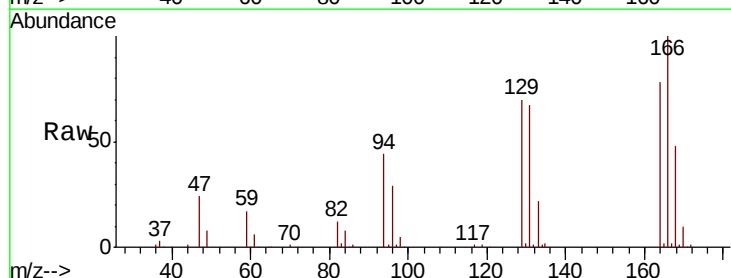
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

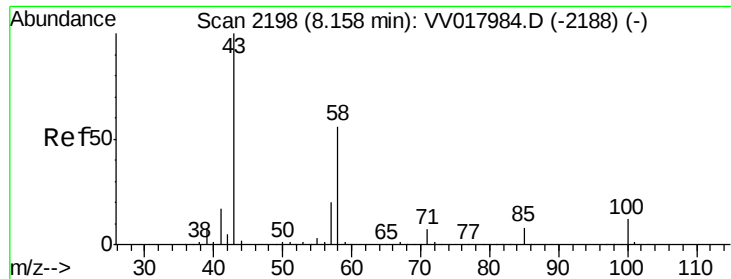
Tot Ion:	97	Resp:	105865
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.2	82.2
83	87.7	61.0	113.4
85	55.2	39.5	73.4



#46
 Tetrachloroethene
 Concen: 54.849 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018013.D
 Acq: 17 Aug 2020 09:50

Tgt Ion:	164	Resp:	85913
Ion	Ratio	Lower	Upper
164	100		
129	90.2	64.8	120.3
131	86.7	64.5	119.9
166	128.6	88.9	165.1

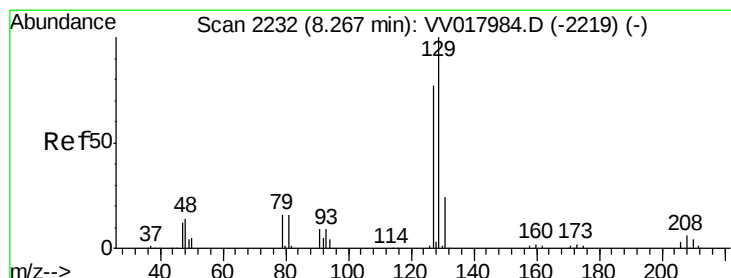
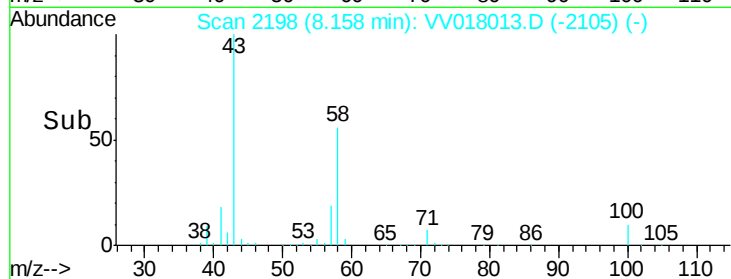
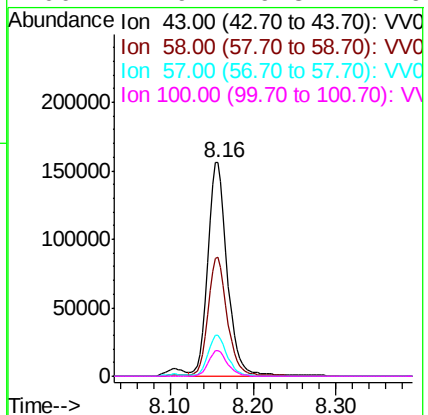
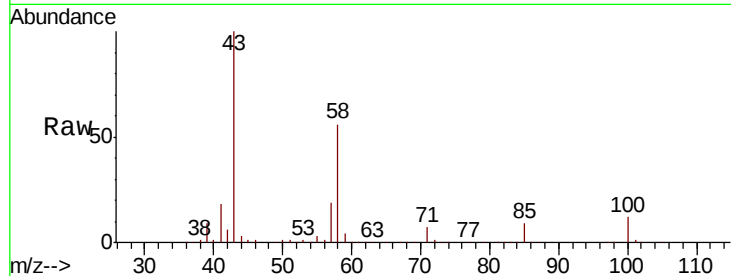




#48
2-Hexanone
Concen: 111.158 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

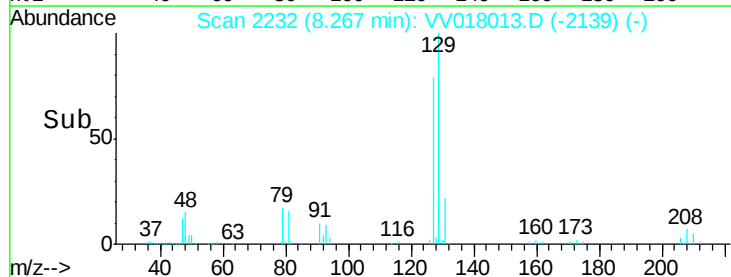
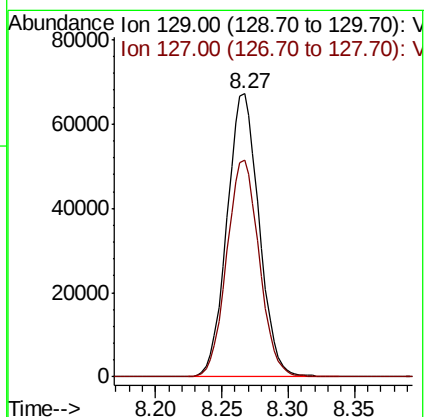
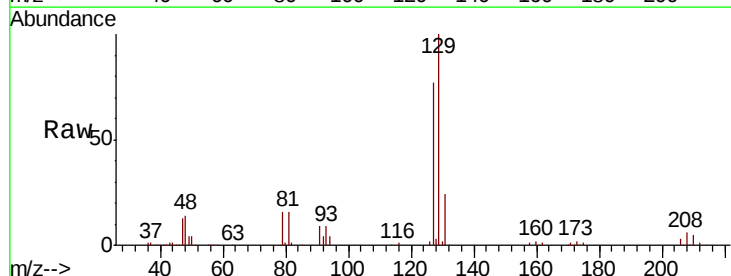
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

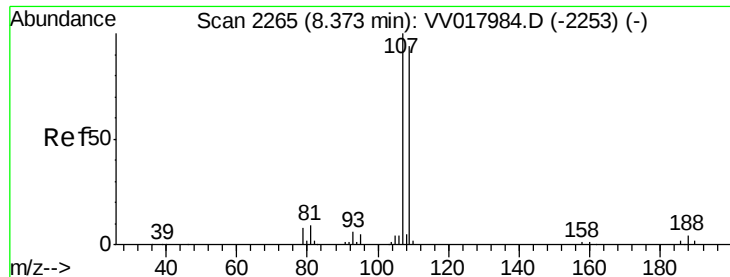
Tot Ion: 43 Resp: 258199
Ion Ratio Lower Upper
43 100
58 54.4 44.4 66.6
57 19.0 15.2 22.8
100 11.9 9.8 14.6



#49
Dibromochloromethane
Concen: 56.853 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Tgt Ion: 129 Resp: 113239
Ion Ratio Lower Upper
129 100
127 76.8 54.9 101.9

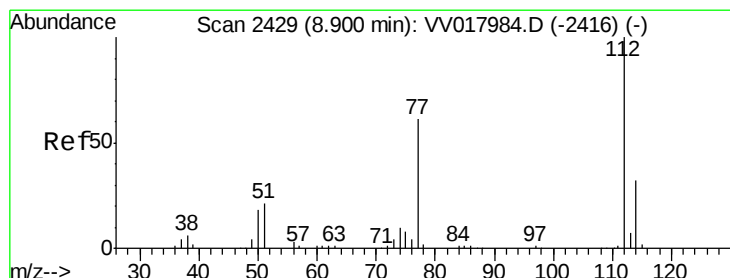
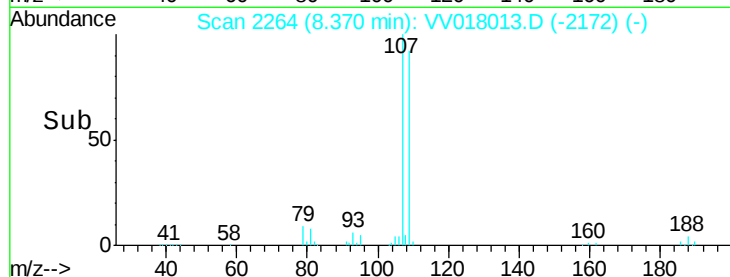
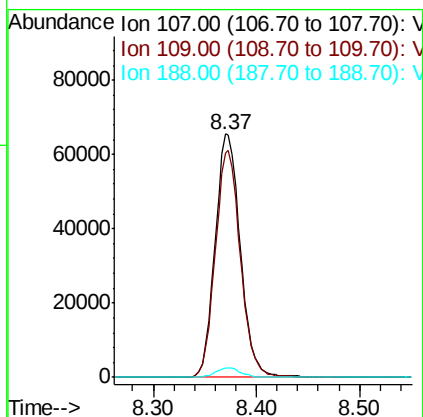
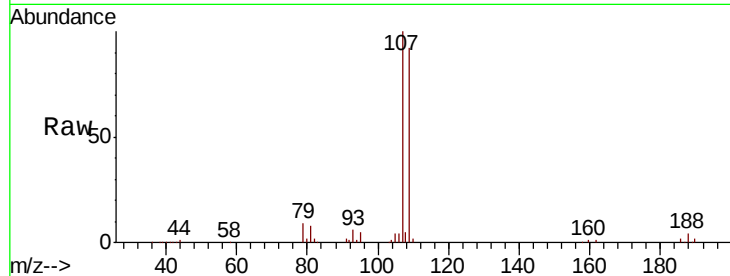




#50
1,2-Dibromoethane
Concen: 52.590 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

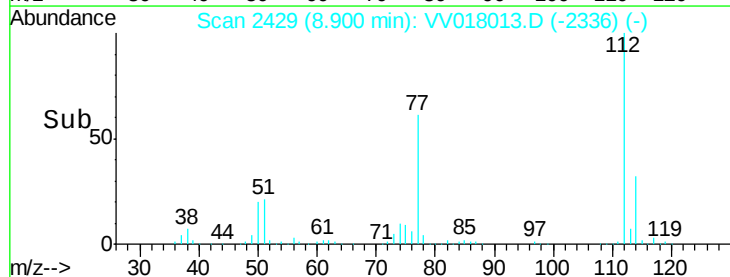
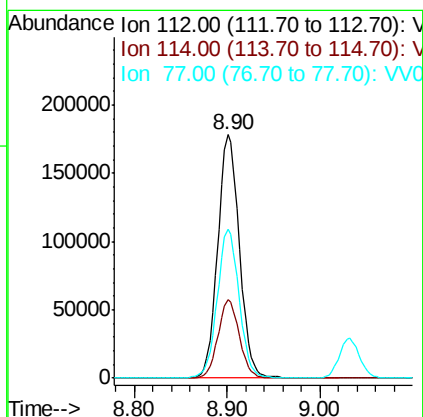
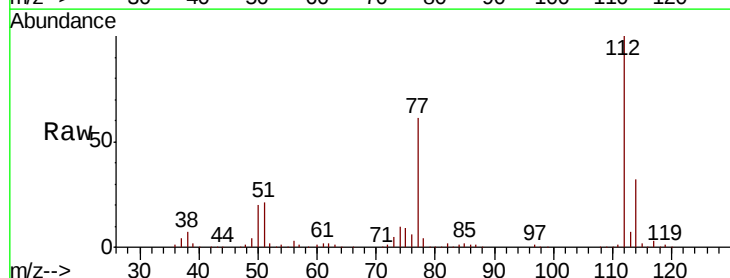
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

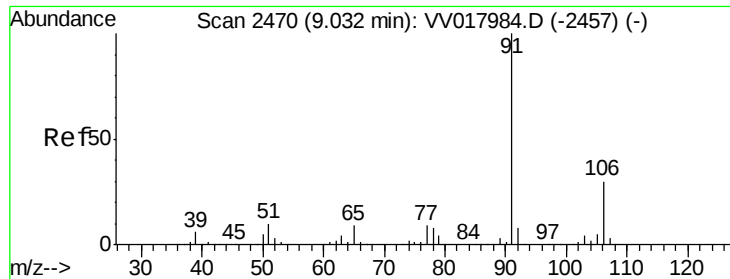
Tot Ion:107 Resp: 111032
Ion Ratio Lower Upper
107 100
109 92.3 67.5 125.4
188 3.8 3.4 5.0



#51
Chlorobenzene
Concen: 53.317 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018013.D
Acq: 17 Aug 2020 09:50

Tgt Ion:112 Resp: 289112
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 61.3 49.4 74.2





#52

Ethylbenzene

Concen: 54.116 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

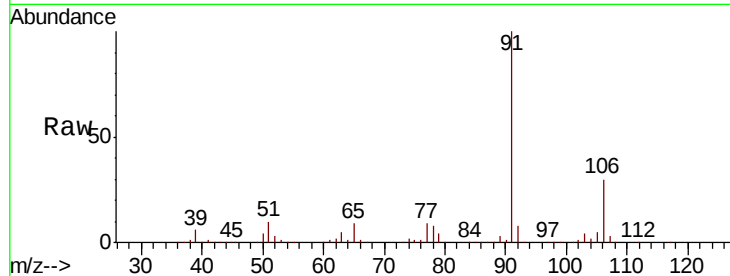
VSTD05071

Tot Ion: 91 Resp: 497489

Ion Ratio Lower Upper

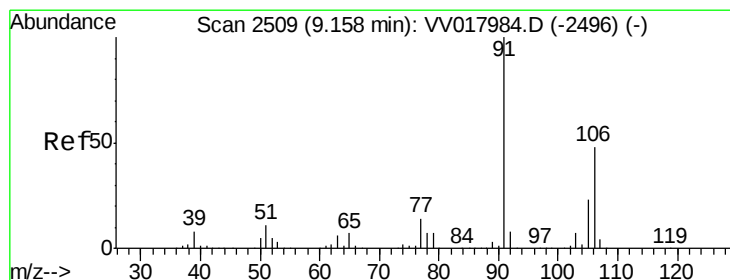
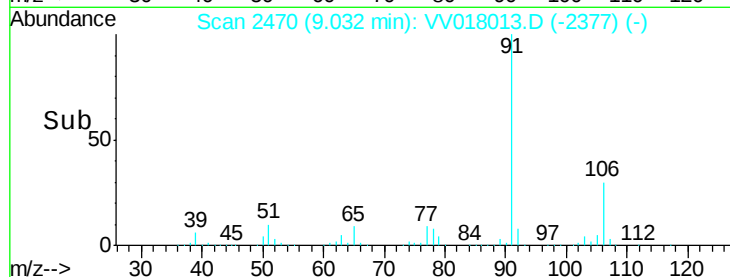
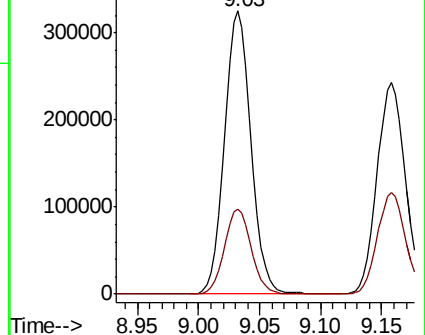
91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017984.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV017984.D (-2457) (-)



#53

m,p-Xylene

Concen: 54.908 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018013.D

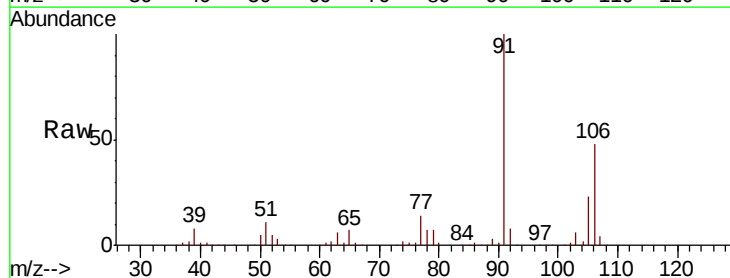
Acq: 17 Aug 2020 09:50

Tgt Ion: 106 Resp: 185653

Ion Ratio Lower Upper

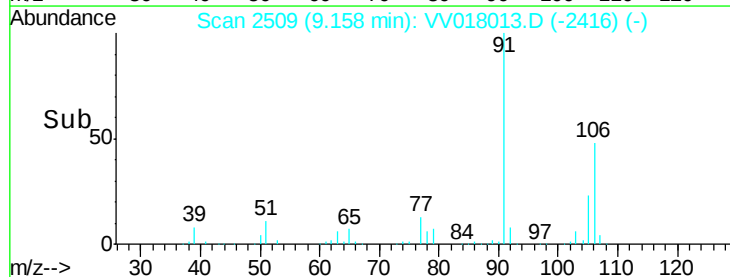
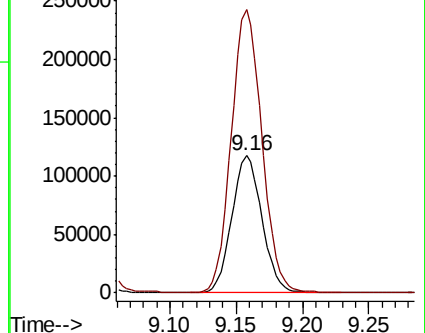
106 100

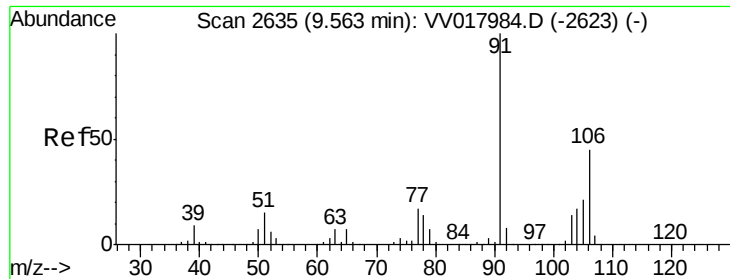
91 206.6 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017984.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV017984.D (-2496) (-)





#54

o-xylene

Concen: 53.611 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampled :

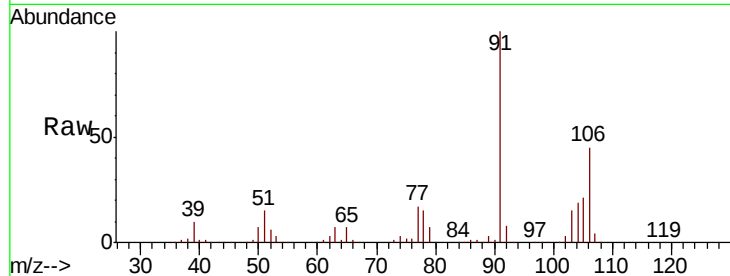
VSTD05071

Tot Ion:106 Resp: 179135

Ion Ratio Lower Upper

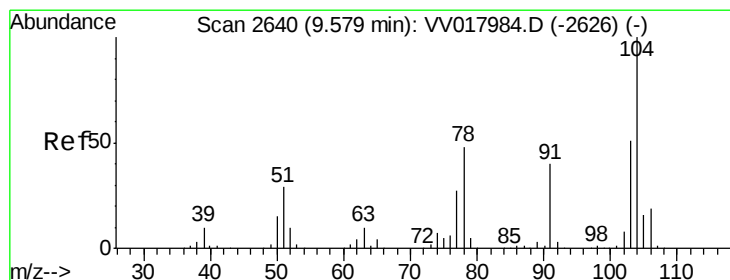
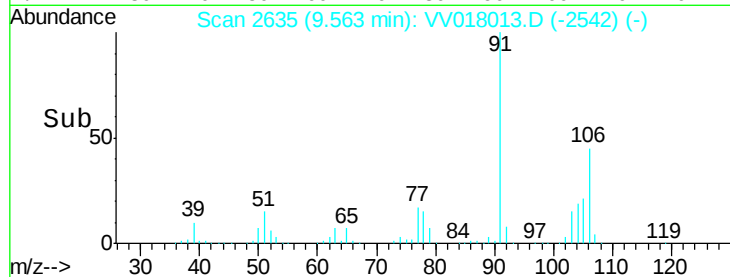
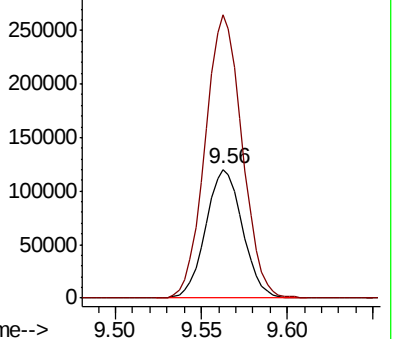
106 100

91 220.0 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.749 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018013.D

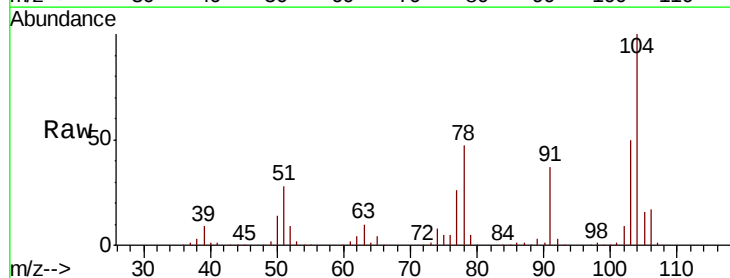
Acq: 17 Aug 2020 09:50

Tgt Ion:104 Resp: 324720

Ion Ratio Lower Upper

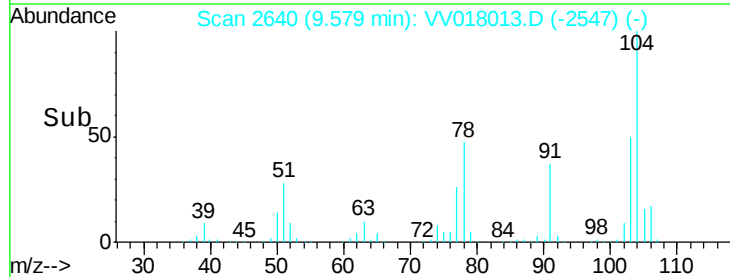
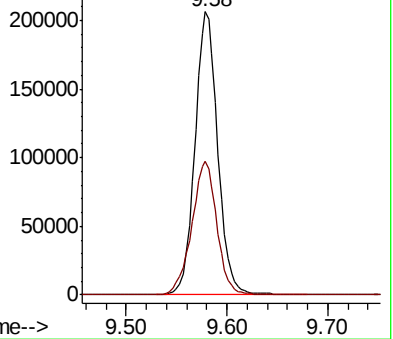
104 100

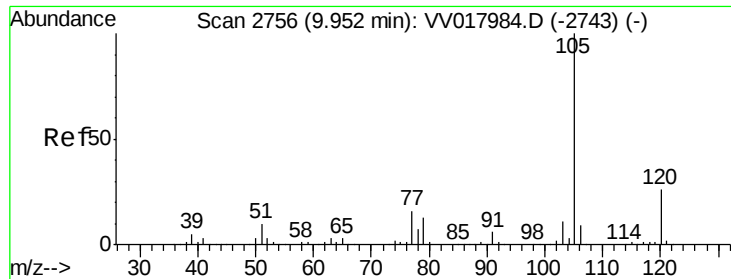
78 47.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.826 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

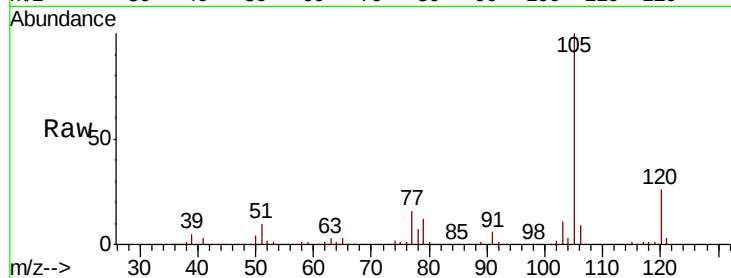
Tot Ion:105 Resp: 483282

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

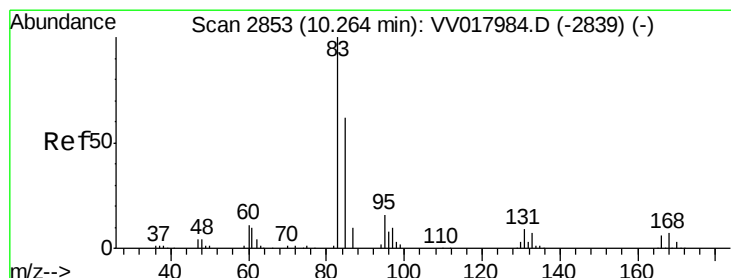
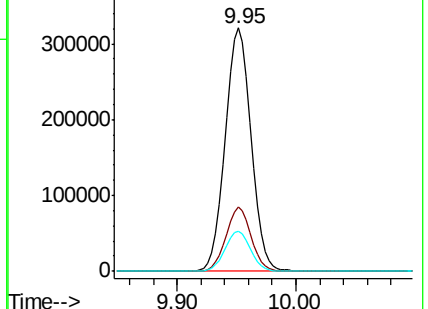
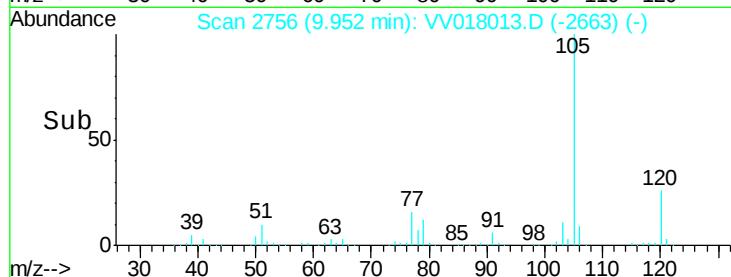
77 16.2 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.737 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

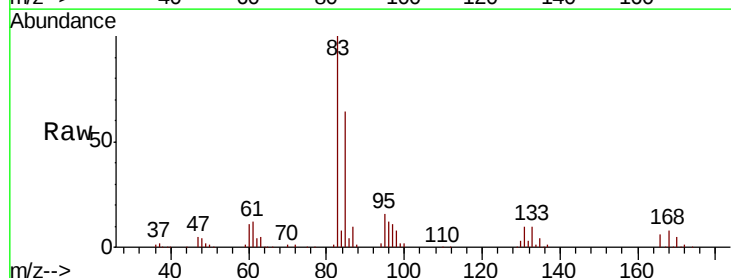
Tgt Ion: 83 Resp: 158045

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

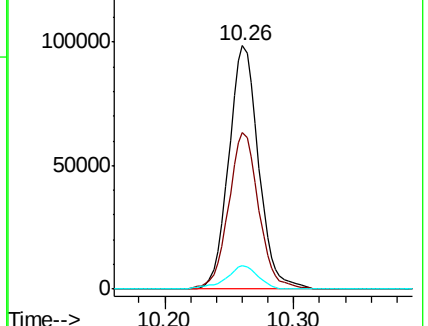
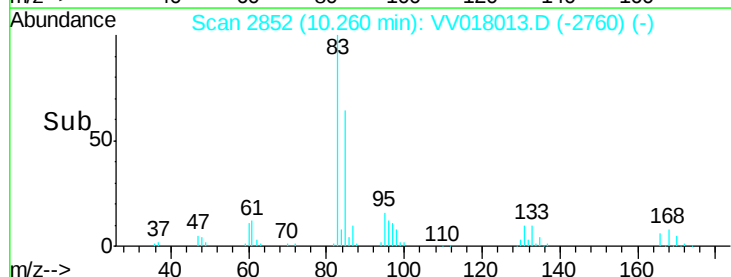
131 9.5 7.8 11.6

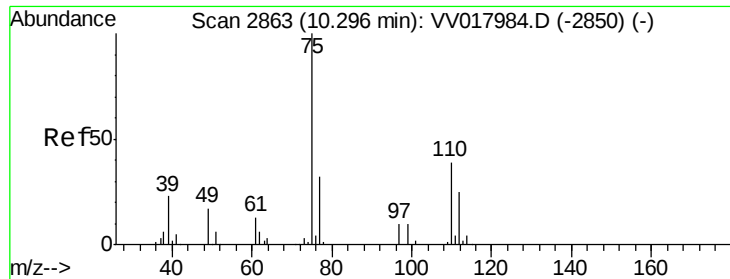


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.805 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

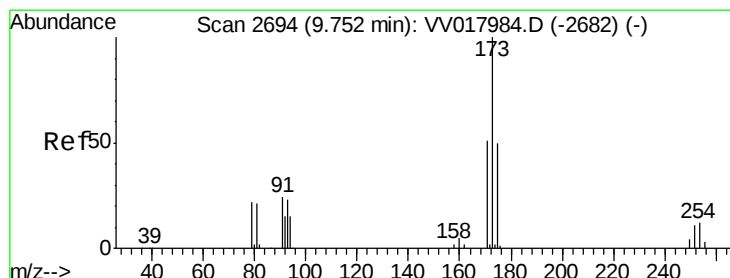
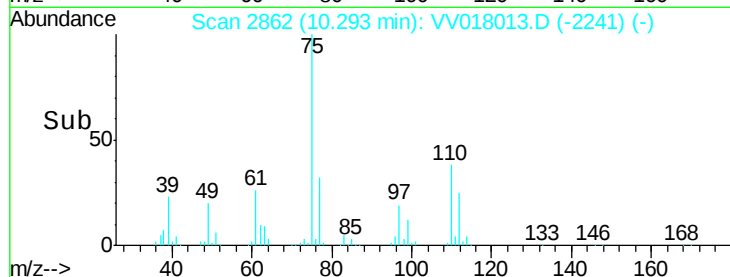
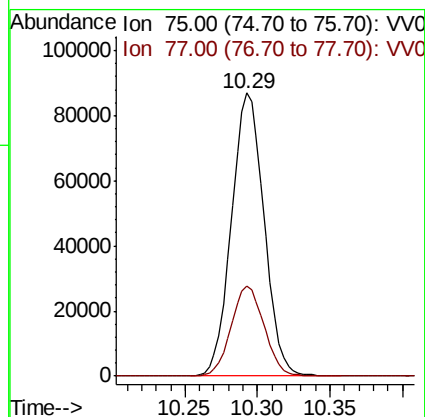
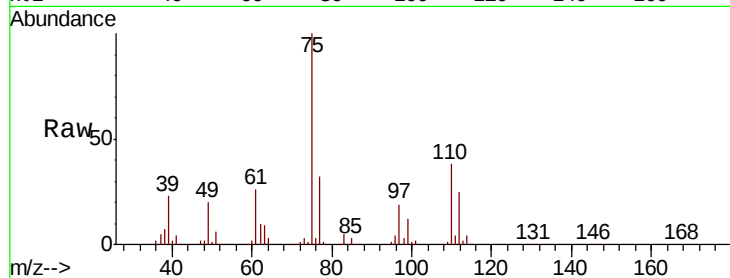
VSTD05071

Tot Ion: 75 Resp: 135534

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 55.929 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

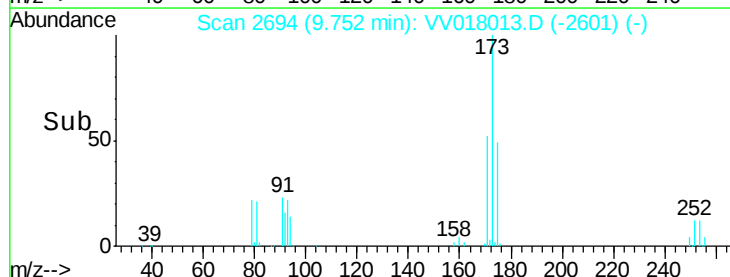
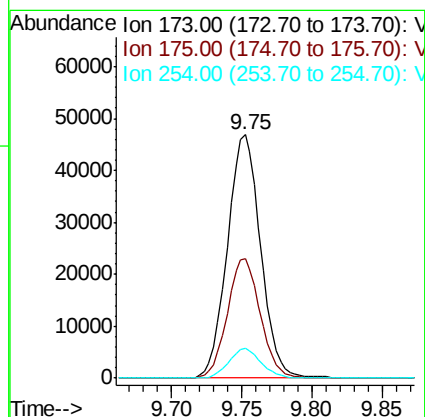
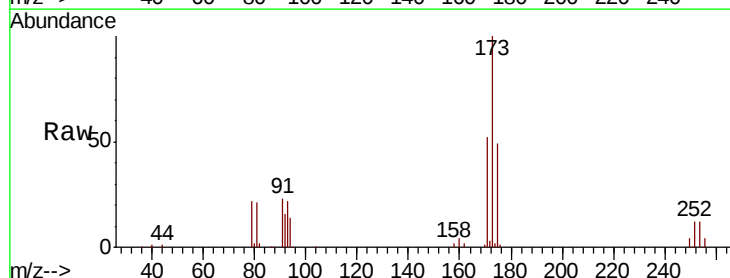
Tgt Ion: 173 Resp: 77130

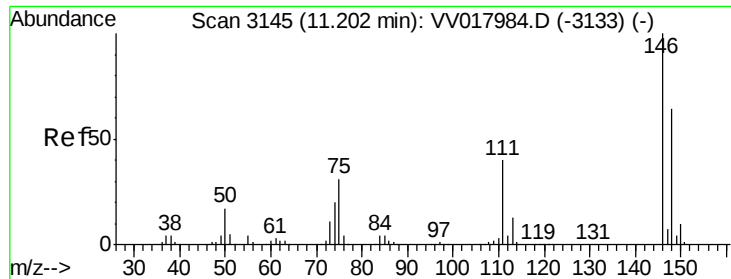
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 11.6 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 52.161 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

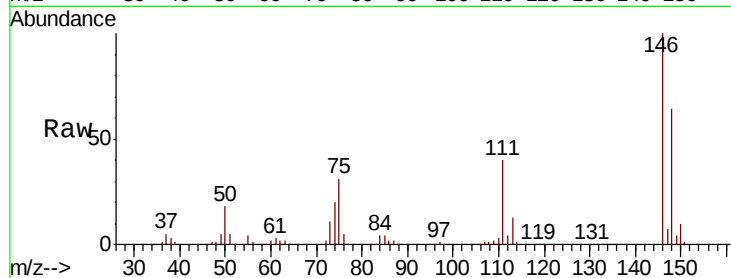
Tot Ion:146 Resp: 241750

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.4

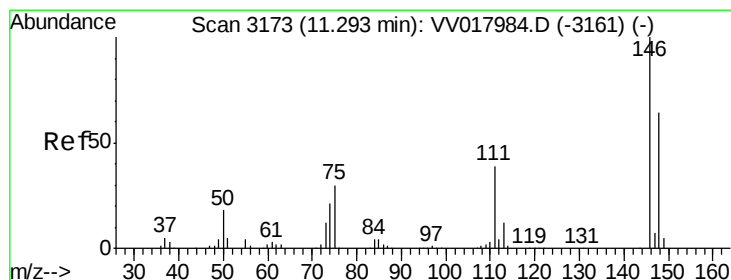
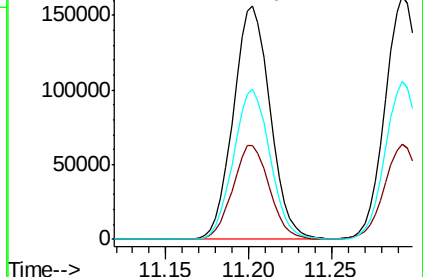
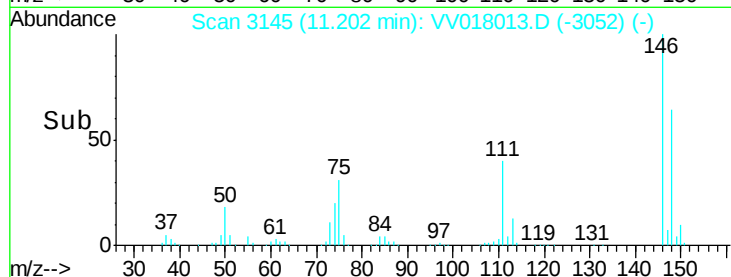
148 64.1 44.9 83.5



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: 52.528 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

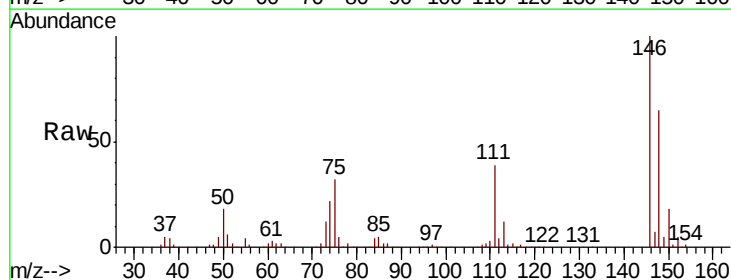
Tgt Ion:146 Resp: 250091

Ion Ratio Lower Upper

146 100

111 39.1 28.0 52.0

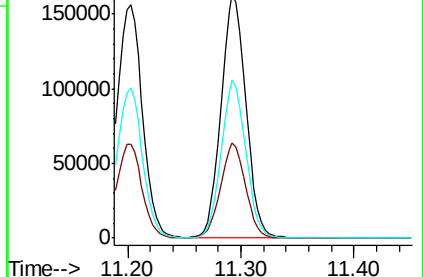
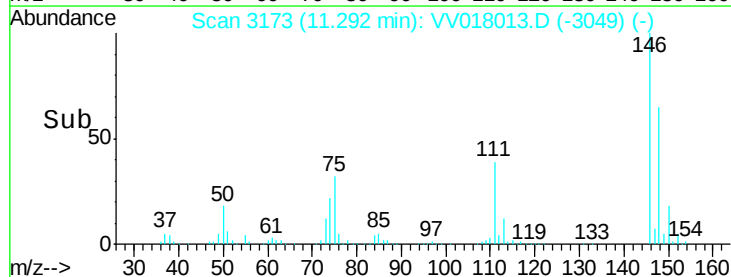
148 64.6 44.2 82.2

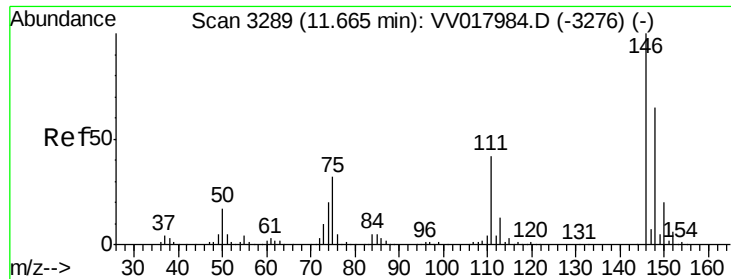


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.180 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

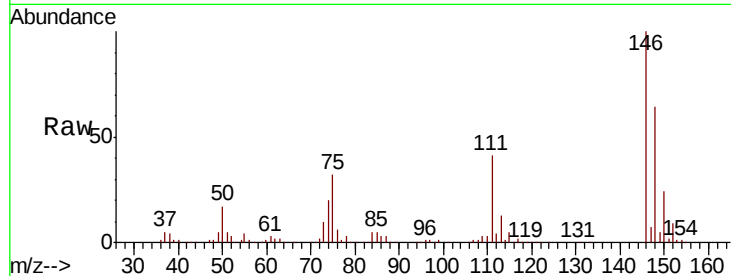
Tot Ion:146 Resp: 244149

Ion Ratio Lower Upper

146 100

111 41.3 34.2 51.4

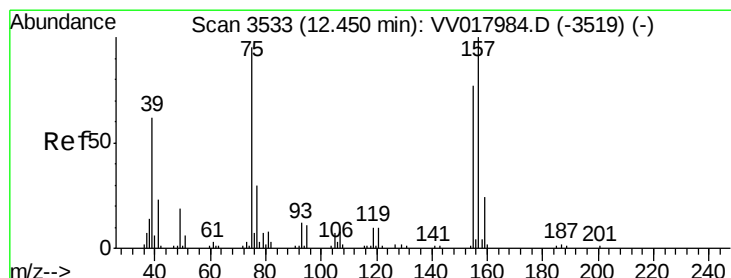
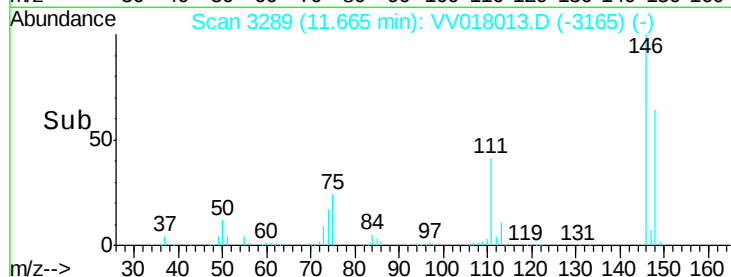
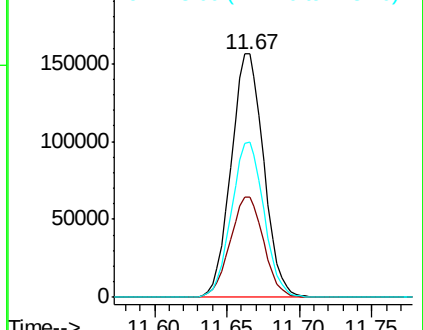
148 63.9 50.6 76.0



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: 49.327 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

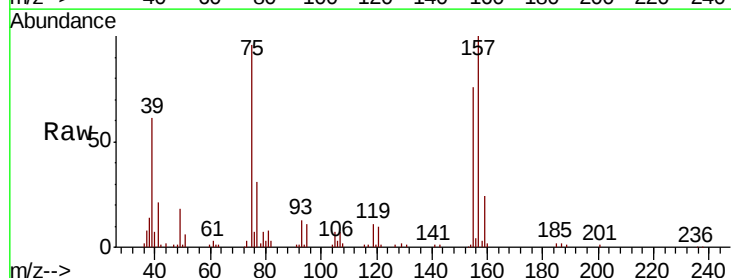
Tgt Ion: 75 Resp: 34670

Ion Ratio Lower Upper

75 100

155 79.9 67.6 101.4

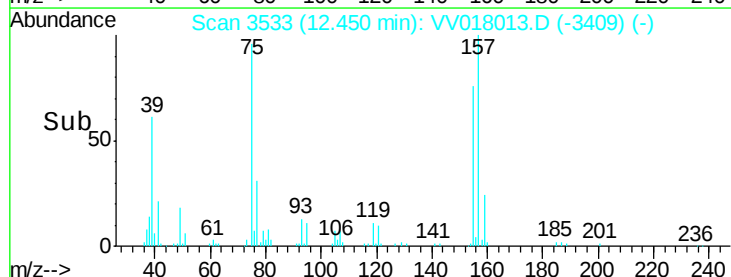
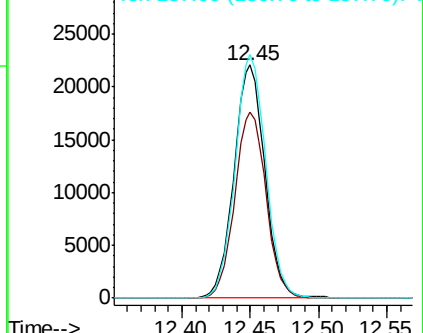
157 104.5 84.3 126.5

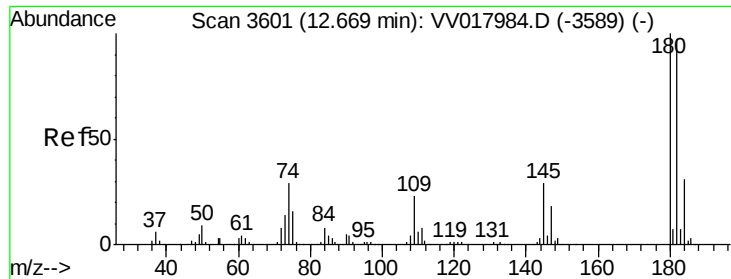


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

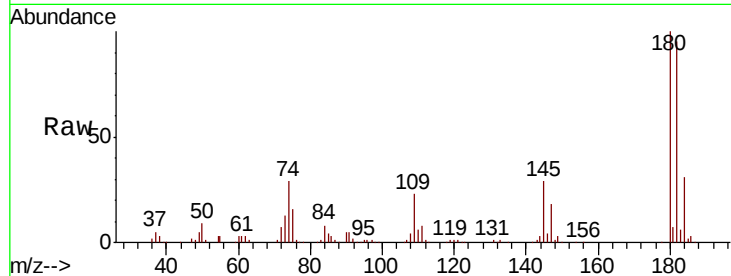




#67
 1,3,5-Trichlorobenzene
 Concen: 54.632 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018013.D
 Acq: 17 Aug 2020 09:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
184	30.6	24.6	36.8
145	29.1	23.5	35.3

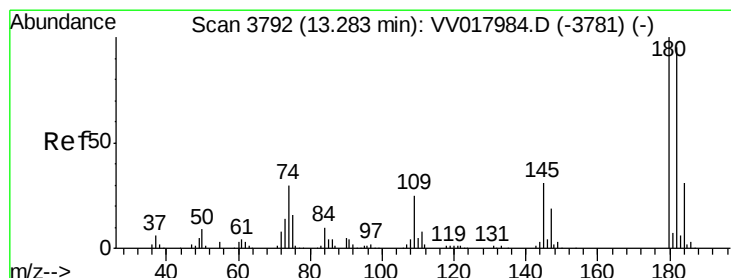
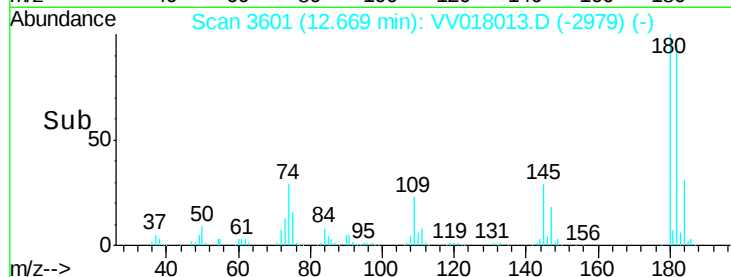
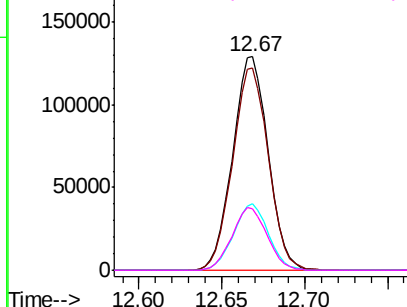


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

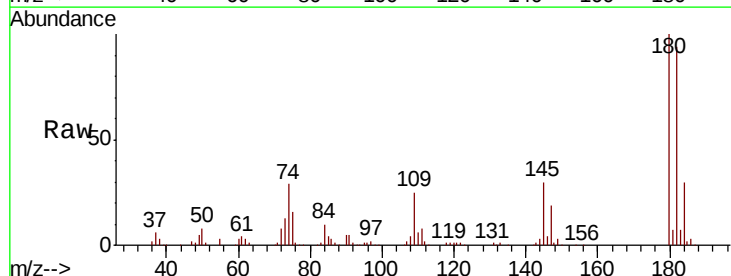
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.803 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018013.D
 Acq: 17 Aug 2020 09:50

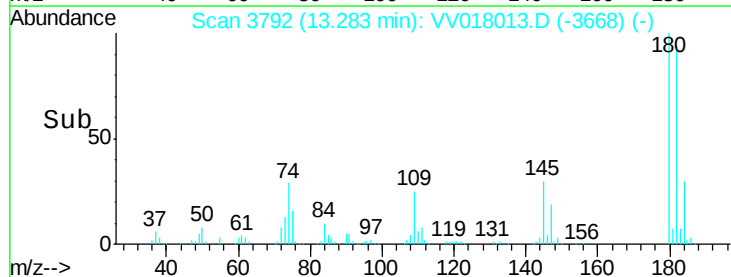
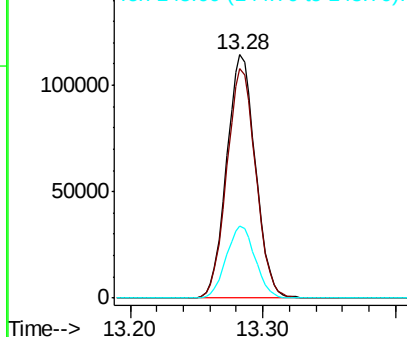
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	29.9	24.0	36.0

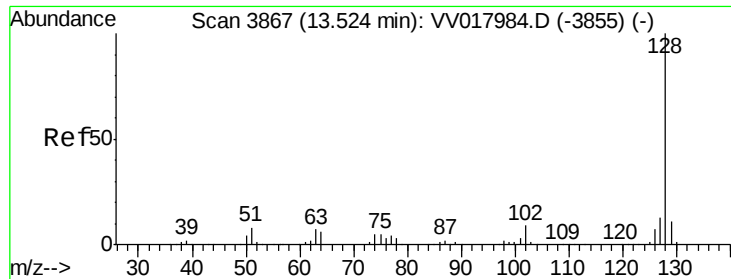


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.366 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Instrument :

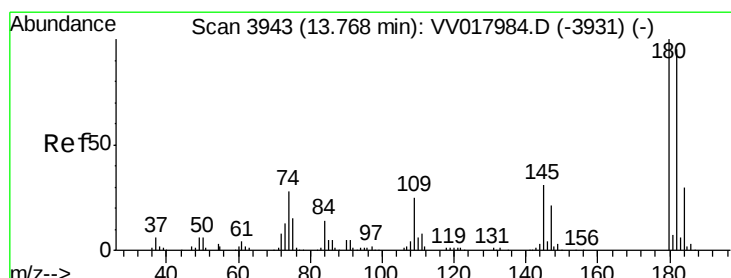
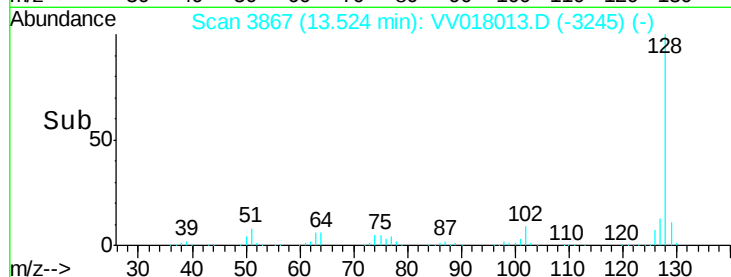
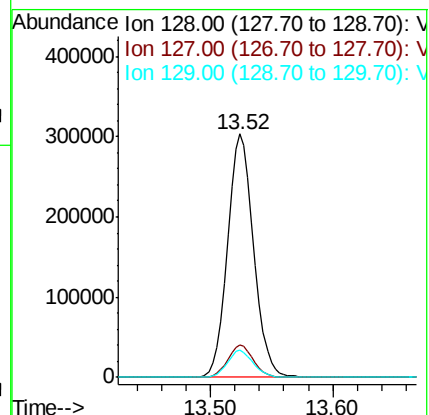
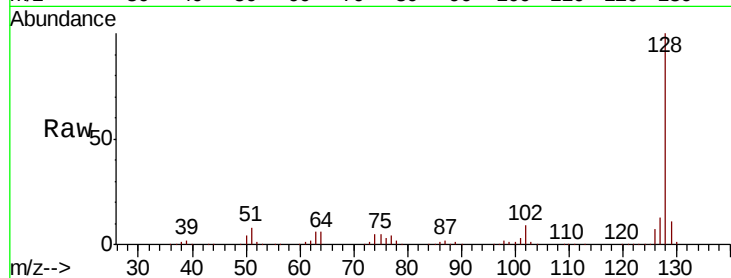
MSVOA_V

ClientSampleId :

VSTD05071

Tot Ion:128 Resp: 455308

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1



#70

1,2,3-Trichlorobenzene

Concen: 55.550 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018013.D

Acq: 17 Aug 2020 09:50

Tgt Ion:180 Resp: 174864

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	31.9	26.0	39.0

