

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017742.D
 Acq On : 30 Jul 2020 10:57
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Quant Time: Jul 31 02:00:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 01:58:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	352406	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	337287	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	190428	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	84347	40.96	ug/L	0.00
7) Chloroethane-d5	1.58	69	71052	47.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	207160	48.26	ug/L	0.00
21) 2-Butanone-d5	3.91	46	133207	84.51	ug/L	0.00
24) Chloroform-d	4.37	84	240383	48.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	175057	51.30	ug/L	0.00
32) Benzene-d6	5.07	84	411933	46.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	115844	44.18	ug/L	0.00
41) Toluene-d8	7.33	98	410830	48.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	74405	48.06	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	98788	83.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	165544	44.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	190068	48.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	176914	48.772	ug/L 100
3) Chloromethane	1.25	50	114693	42.692	ug/L 100
5) Vinyl chloride	1.32	62	122948	47.076	ug/L 100
6) Bromomethane	1.53	94	71335	43.869	ug/L 100
8) Chloroethane	1.59	64	72635	52.125	ug/L 100
9) Trichlorofluoromethane	1.76	101	245280	54.595	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	111623	51.048	ug/L 100
12) 1,1-Dichloroethene	2.13	96	104548	51.626	ug/L 100
13) Acetone	2.19	43	164844	108.339	ug/L 100
14) Carbon disulfide	2.31	76	321413	44.939	ug/L 100
15) Methyl Acetate	2.44	43	103662	42.647	ug/L 100
16) Methylene chloride	2.52	84	121273	46.195	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	115591	46.448	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	398841	47.790	ug/L 100
19) 1,1-Dichloroethane	3.21	63	205658	46.161	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	125616	47.072	ug/L 100
22) 2-Butanone	3.99	43	165124	92.177	ug/L 100
23) Bromochloromethane	4.27	128	70807	47.836	ug/L 100
25) Chloroform	4.40	83	239024	49.076	ug/L 100
27) 1,2-Dichloroethane	5.15	62	219896	52.188	ug/L 100
29) Cyclohexane	4.70	56	174463	44.237	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	240074	51.344	ug/L 100
31) Carbon tetrachloride	4.85	117	220887	52.007	ug/L 100
33) Benzene	5.12	78	464642	47.496	ug/L 100
34) Trichloroethene	5.94	95	129819	47.887	ug/L 100
35) Methylcyclohexane	6.15	83	195202	46.703	ug/L 100
37) 1,2-Dichloropropane	6.19	63	105558	42.902	ug/L 100
38) Bromodichloromethane	6.53	83	189344	50.660	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	195251	46.865	ug/L 100
40) 4-Methyl-2-pentanone	7.24	43	287385	85.368	ug/L 100

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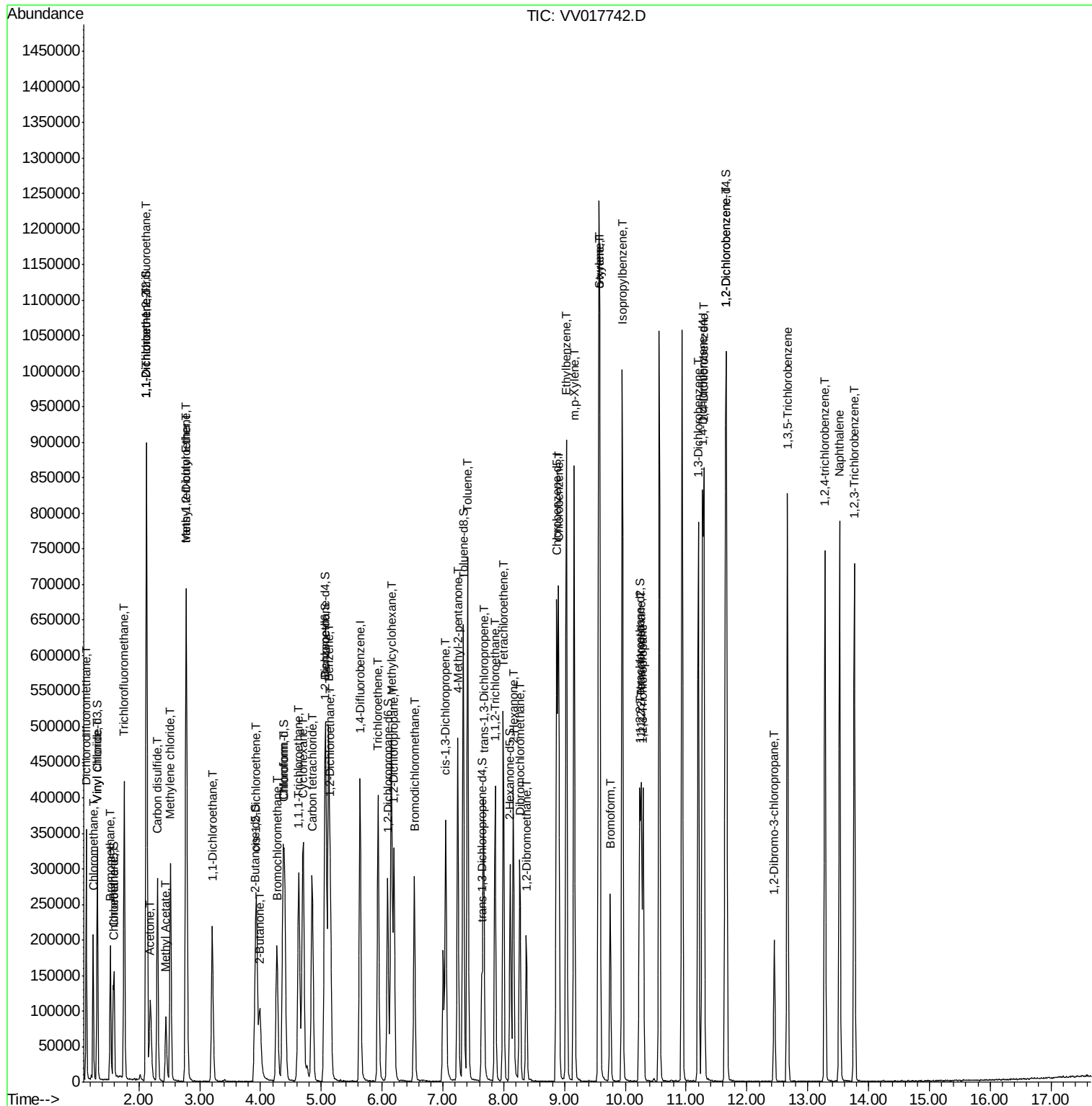
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	524880	48.625	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	208077	49.396	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	118602	46.987	ug/L	100
46) Tetrachloroethene	7.99	164	115391	49.858	ug/L	100
48) 2-Hexanone	8.16	43	246220	91.078	ug/L	100
49) Dibromochloromethane	8.27	129	159614	50.969	ug/L	100
50) 1,2-Dibromoethane	8.37	107	129257	47.163	ug/L	100
51) Chlorobenzene	8.90	112	349394	48.619	ug/L	100
52) Ethylbenzene	9.03	91	597895	49.326	ug/L	100
53) m,p-Xylene	9.16	106	229383	49.449	ug/L	100
54) o-xylene	9.56	106	223688	49.658	ug/L	100
55) Styrene	9.58	104	388053	50.503	ug/L	100
56) Isopropylbenzene	9.95	105	613222	50.206	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	171451	43.937	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	149796	45.709	ug/L	100
61) Bromoform	9.75	173	117569	47.920	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	305491	48.263	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	311717	48.143	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	311750	48.644	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	46607	45.026	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	246877	49.179	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	221330	49.631	ug/L	100
69) Naphthalene	13.52	128	584924	47.881	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	215931	48.798	ug/L	100

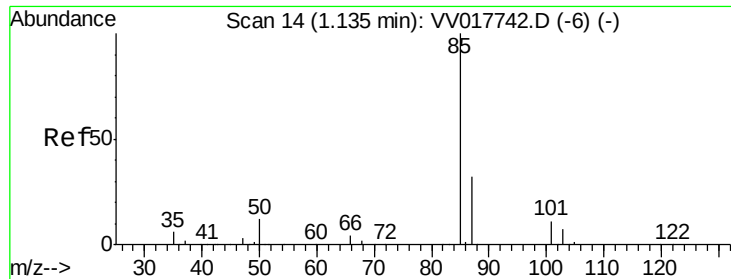
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.772 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

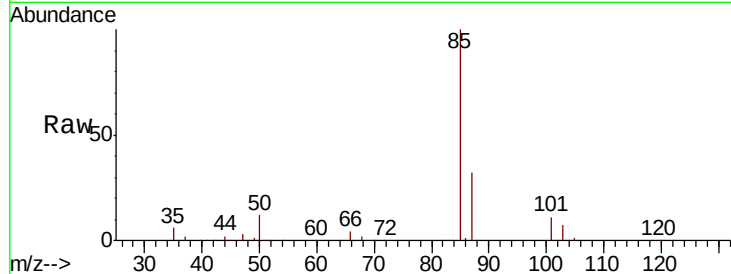
VSTD05063

Tot Ion: 85 Resp: 176914

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017742.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017742.D (-6) (-)

1.14

200000

150000

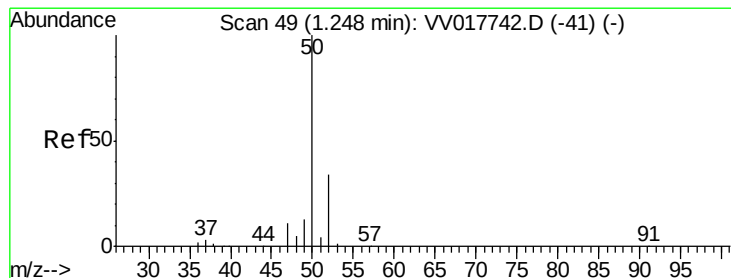
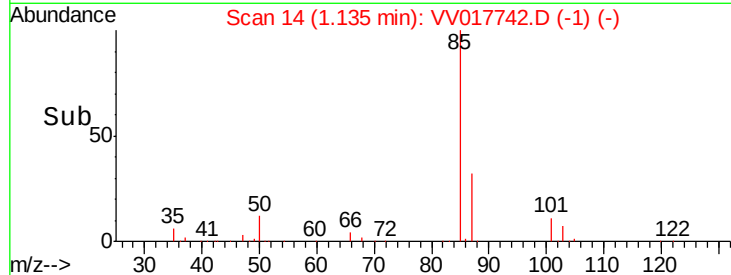
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 42.692 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017742.D

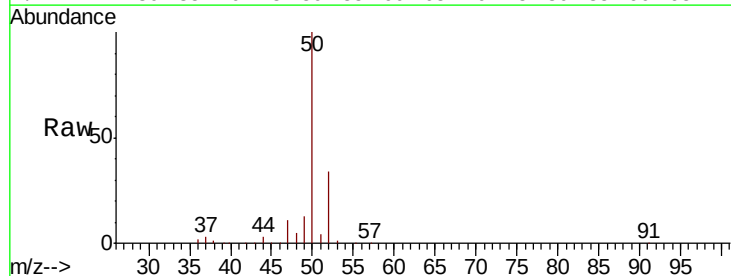
Acq: 30 Jul 2020 10:57

Tgt Ion: 50 Resp: 114693

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017742.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017742.D (-41) (-)

1.25

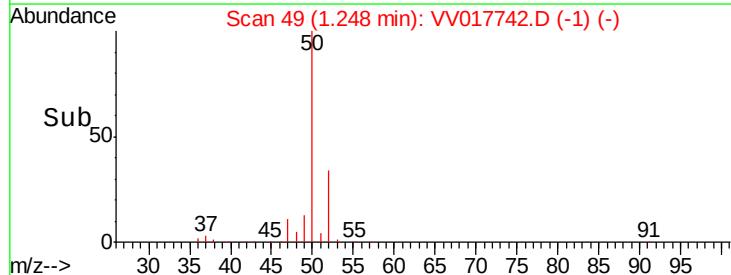
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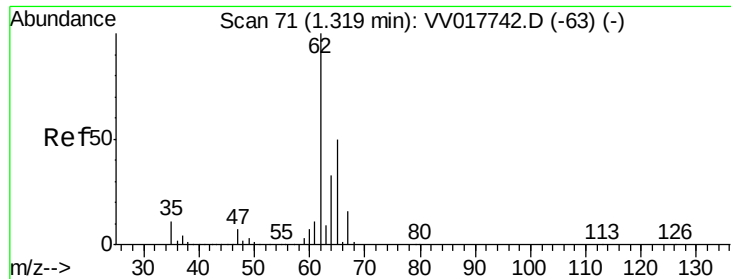
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 47.076 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampled :

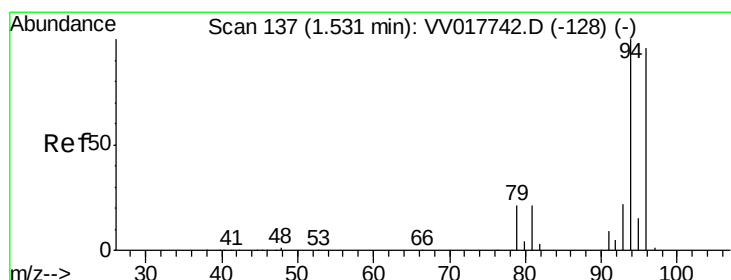
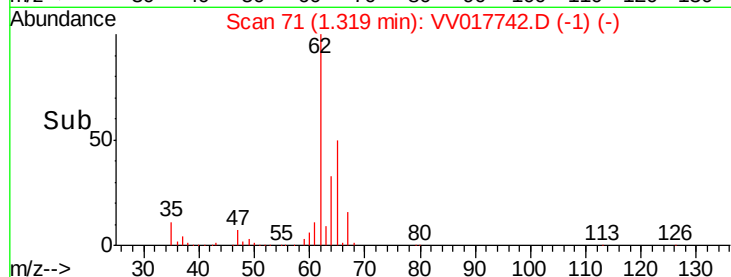
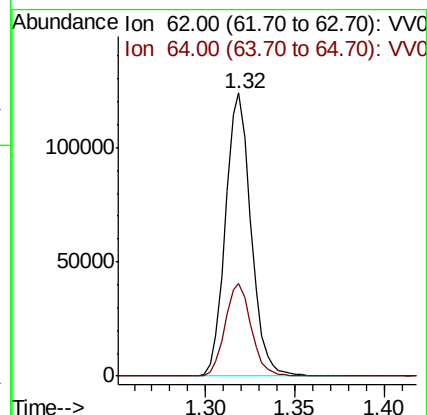
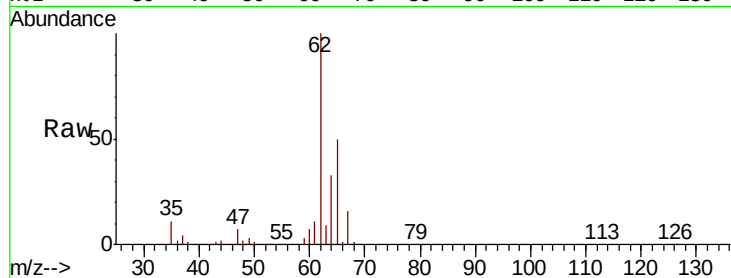
VSTD05063

Tot Ion: 62 Resp: 122948

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 43.869 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017742.D

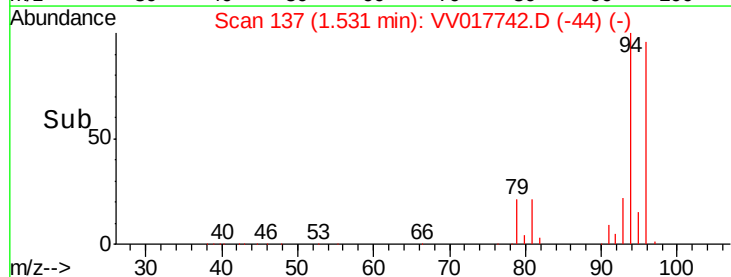
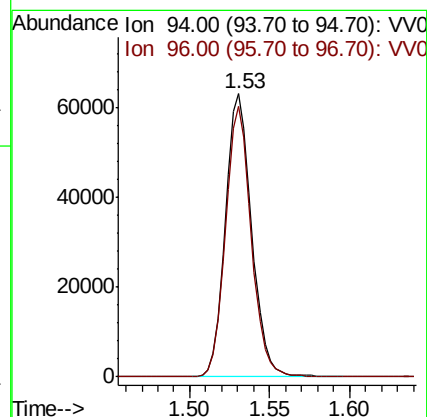
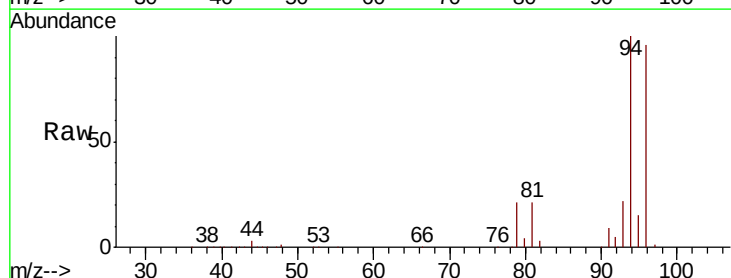
Acq: 30 Jul 2020 10:57

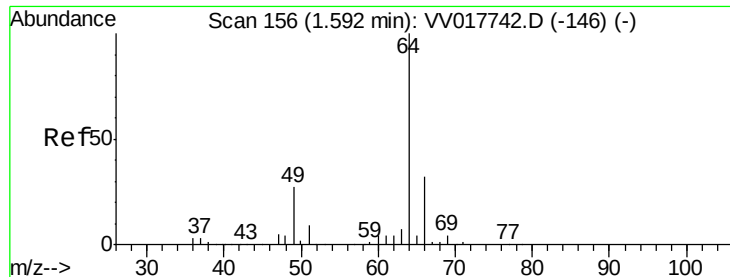
Tgt Ion: 94 Resp: 71335

Ion Ratio Lower Upper

94 100

96 95.6 66.9 124.3





#8

Chloroethane

Concen: 52.125 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

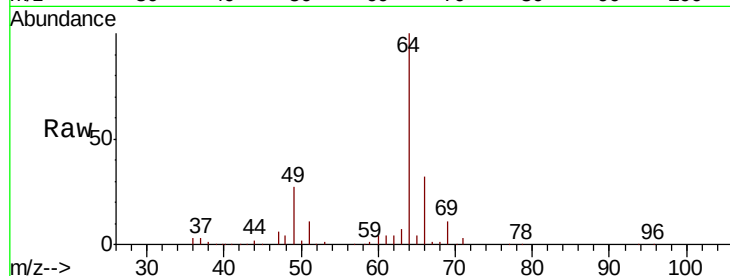
VSTD05063

Tot Ion: 64 Resp: 72635

Ion Ratio Lower Upper

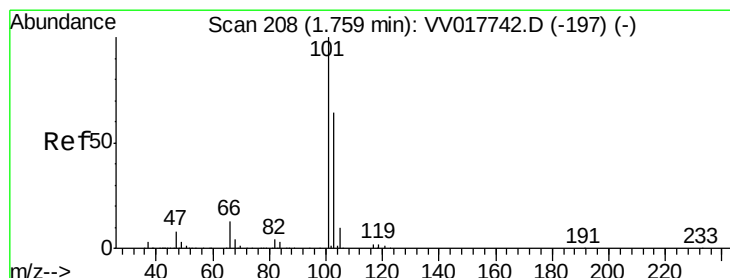
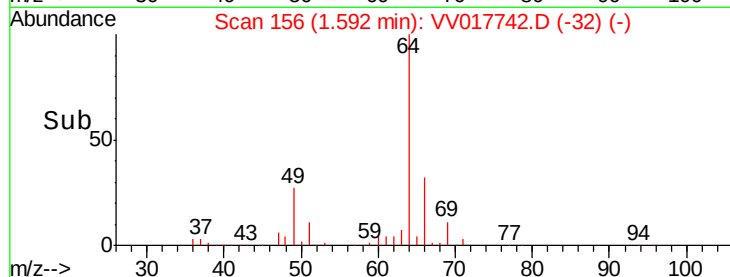
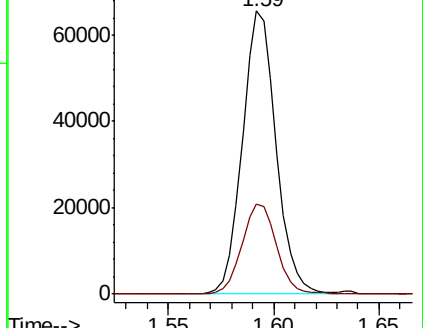
64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017742.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV017742.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 54.595 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV017742.D

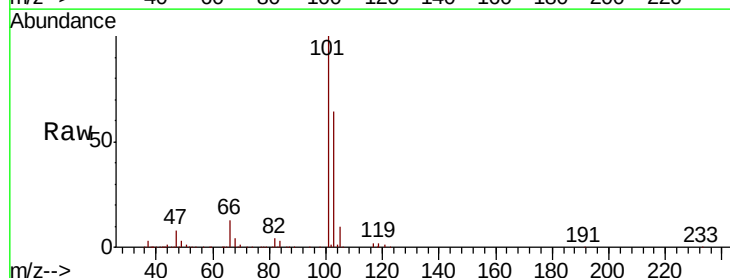
Acq: 30 Jul 2020 10:57

Tgt Ion: 101 Resp: 245280

Ion Ratio Lower Upper

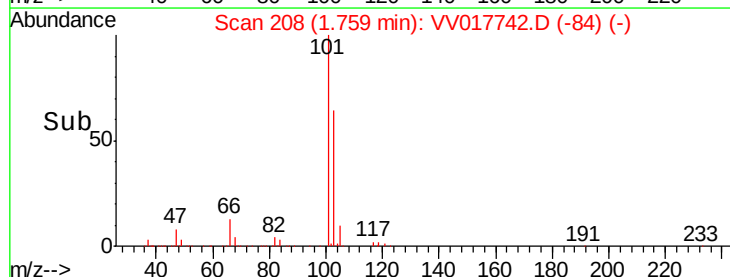
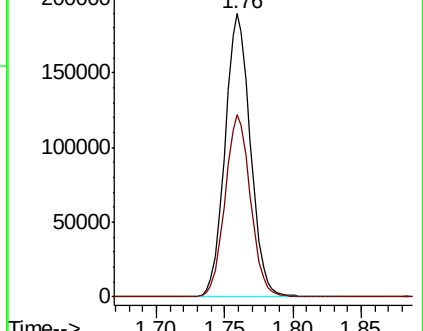
101 100

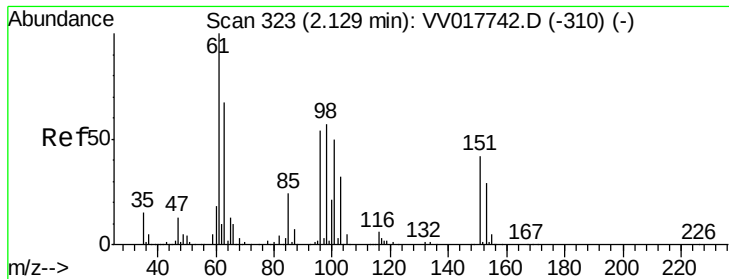
103 64.5 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV017742.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV017742.D (-197) (-)





#10

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

Concen: 51.048 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

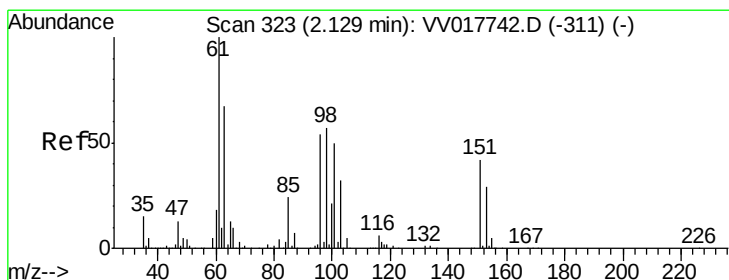
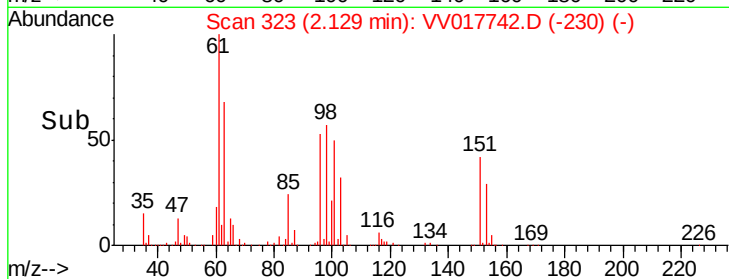
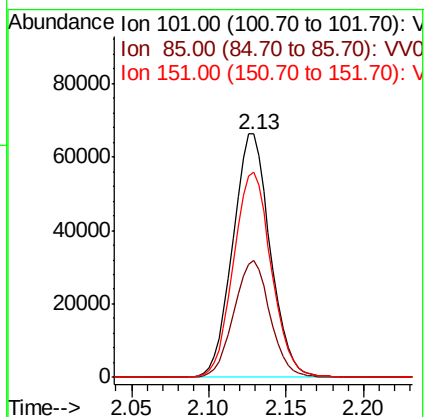
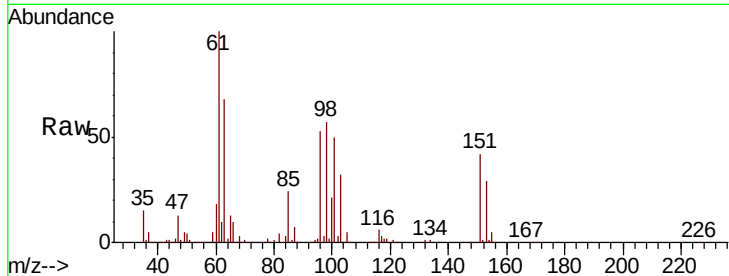
Tot Ion:101 Resp: 111623

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

151 85.2 68.2 102.2



#12

1,1-Dichloroethene

Concen: 51.626 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

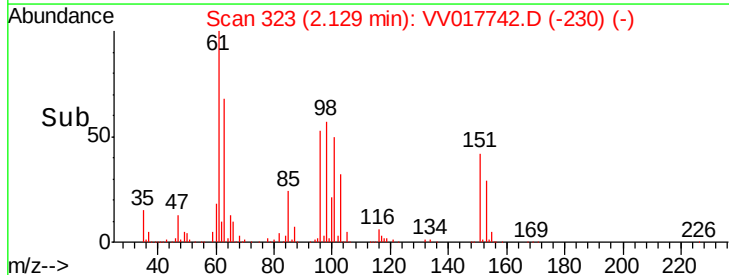
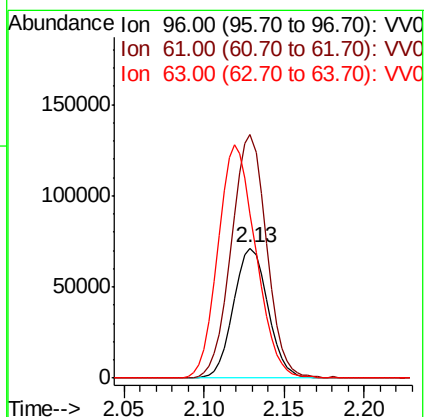
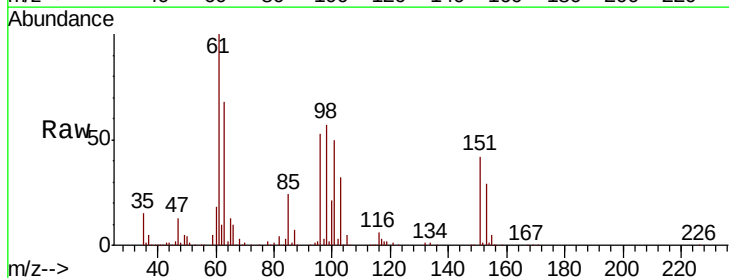
Tgt Ion: 96 Resp: 104548

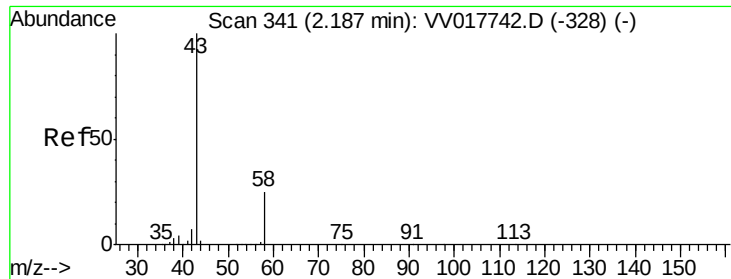
Ion Ratio Lower Upper

96 100

61 187.1 131.0 243.2

63 126.4 88.5 164.3





#13

Acetone

Concen: 108.339 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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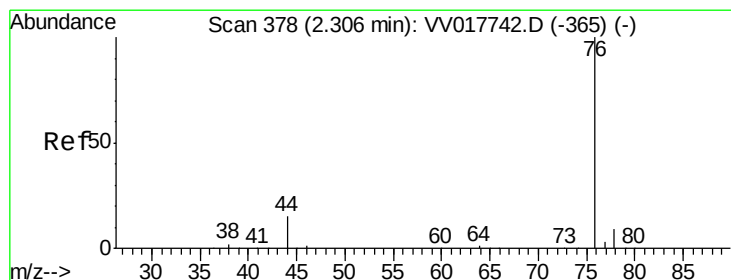
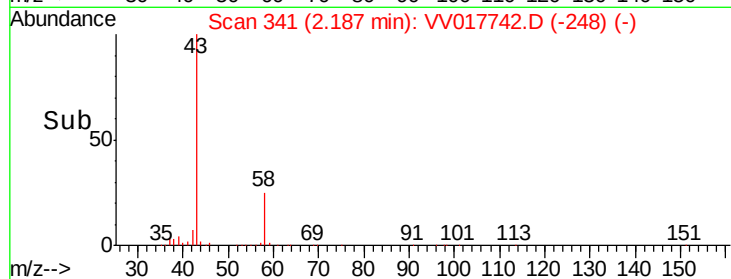
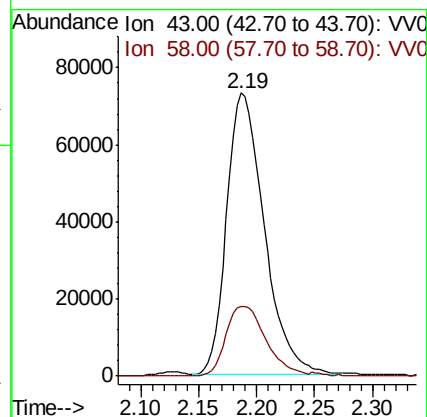
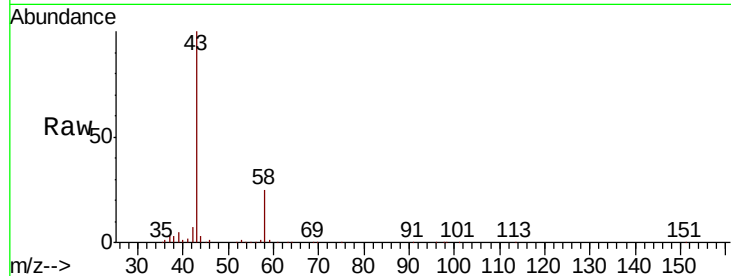
VSTD05063

Tot Ion: 43 Resp: 164844

Ion Ratio Lower Upper

43 100

58 26.3 0.0 52.6



#14

Carbon disulfide

Concen: 44.939 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017742.D

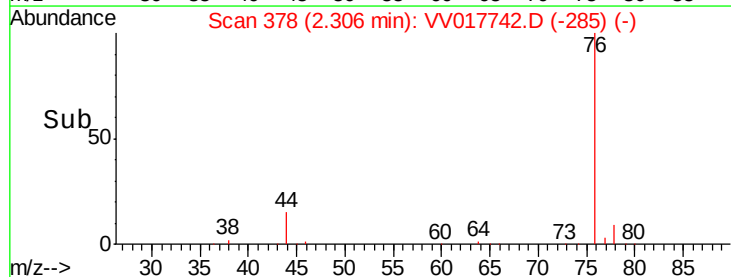
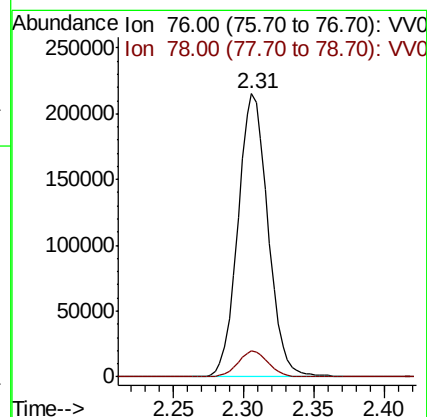
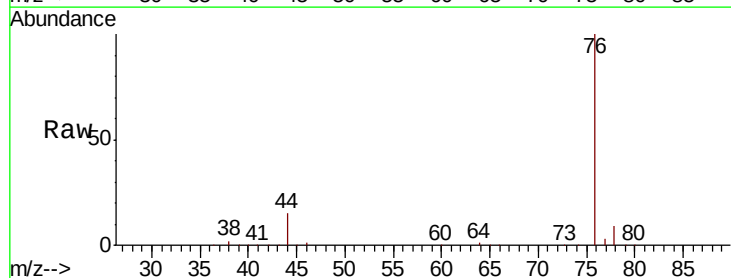
Acq: 30 Jul 2020 10:57

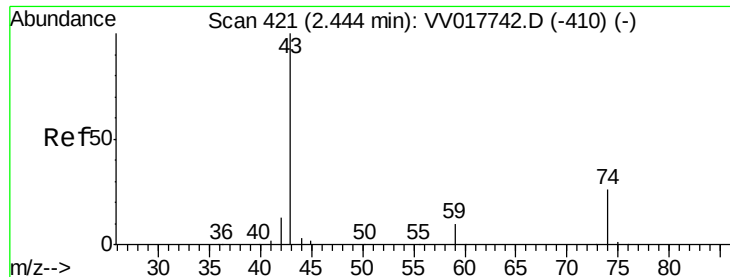
Tgt Ion: 76 Resp: 321413

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

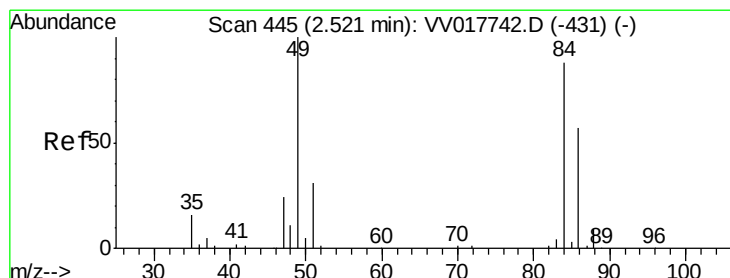
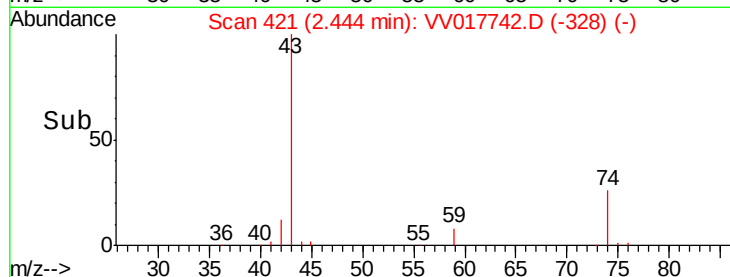
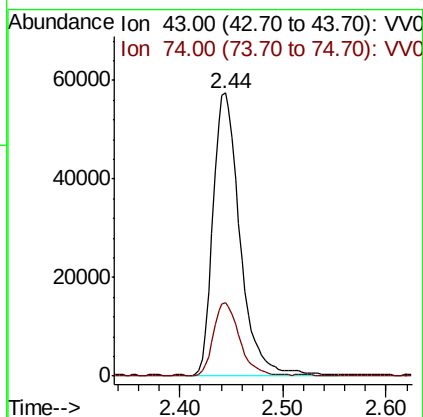
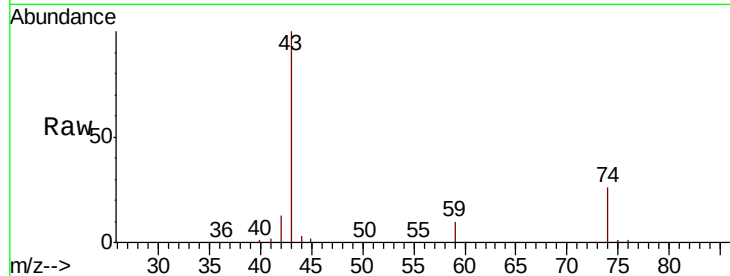




#15
Methvl Acetate
Concen: 42.647 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

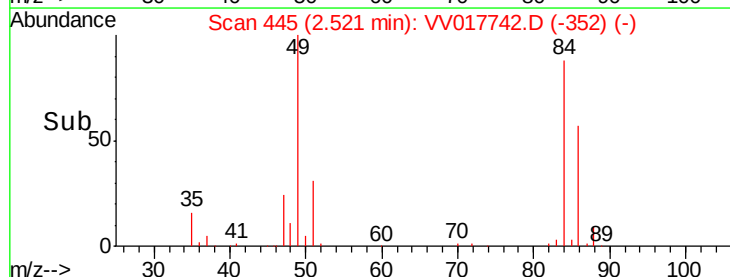
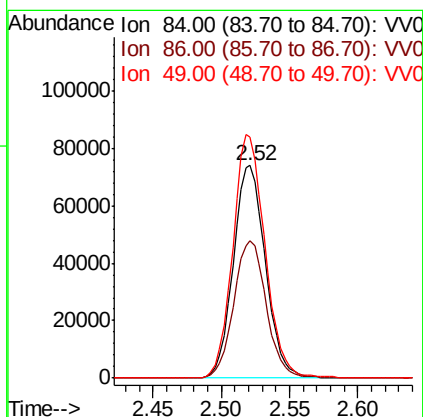
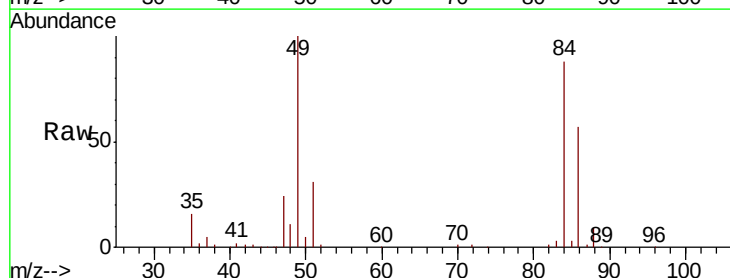
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

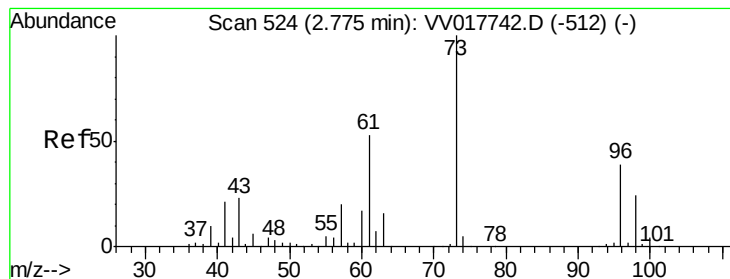
Tot Ion: 43 Resp: 103662
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0



#16
Methylene chloride
Concen: 46.195 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Tgt Ion: 84 Resp: 121273
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 113.2 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 46.448 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

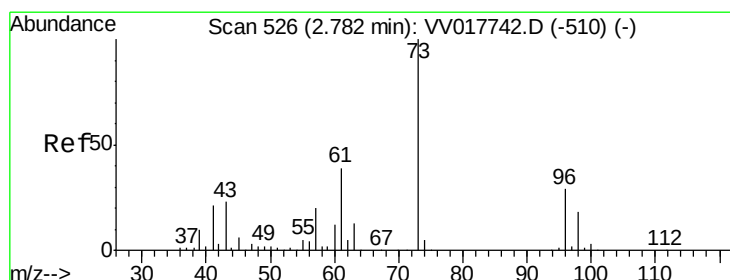
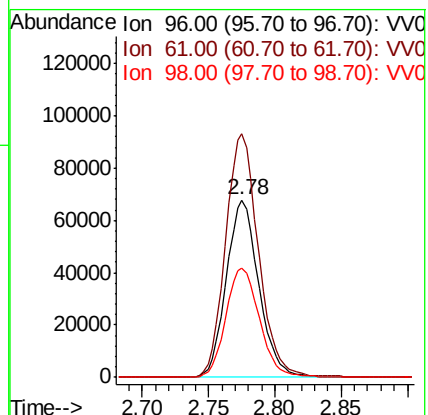
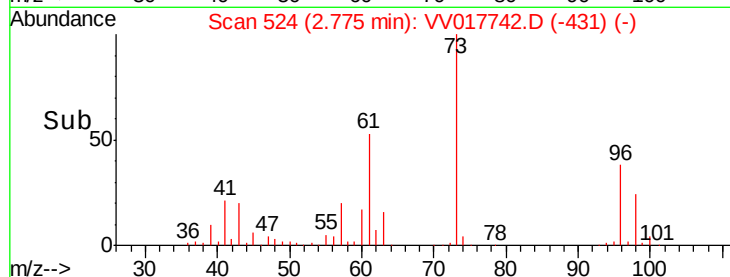
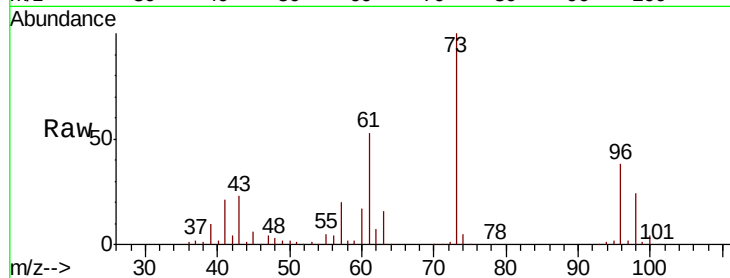
Tot Ion: 96 Resp: 115591

Ion Ratio Lower Upper

96 100

61 137.5 96.2 178.8

98 61.7 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 47.790 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

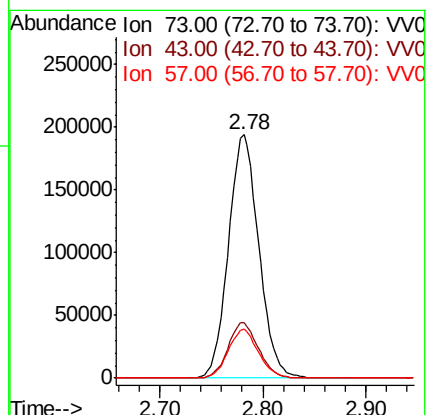
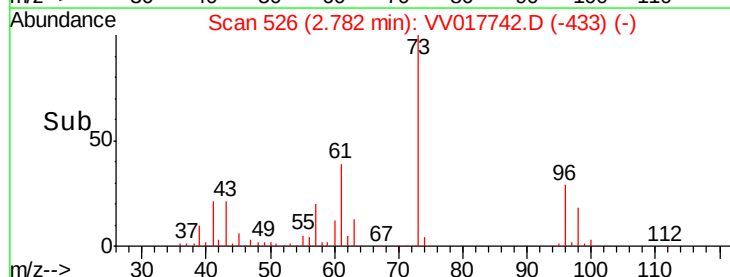
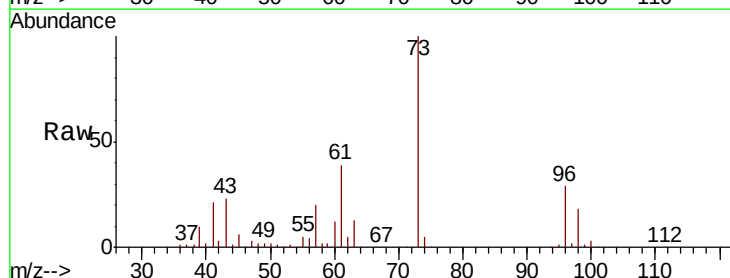
Tgt Ion: 73 Resp: 398841

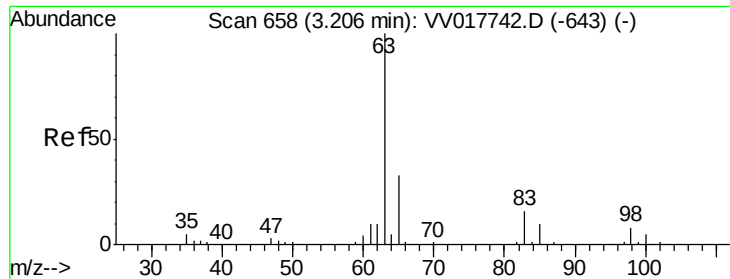
Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

57 20.0 16.0 24.0

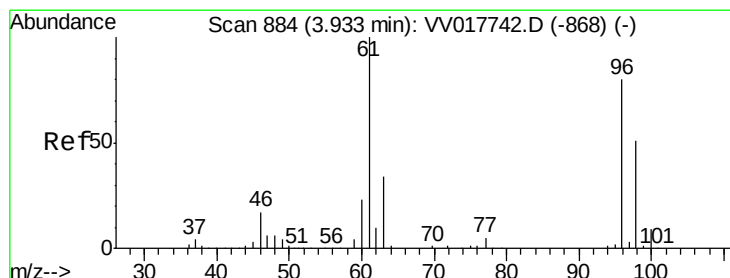
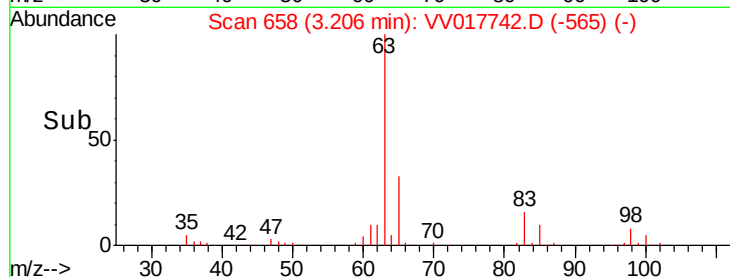
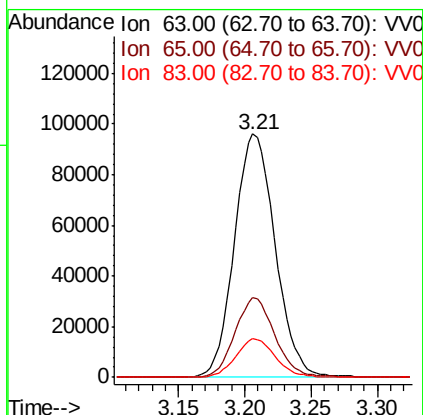
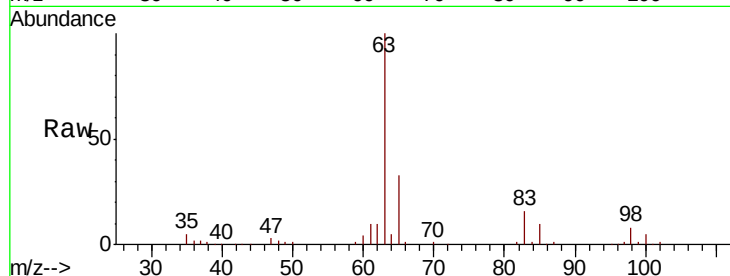




#19
 1,1-Dichloroethane
 Concen: 46.161 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

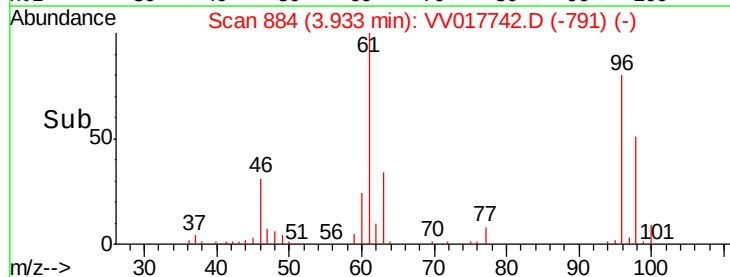
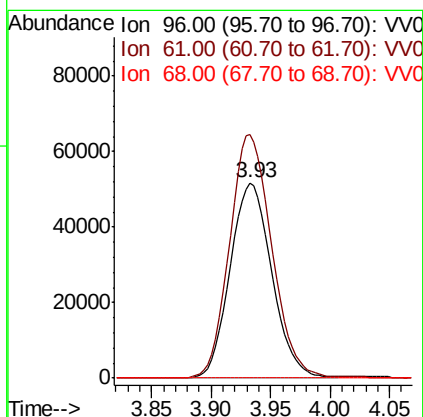
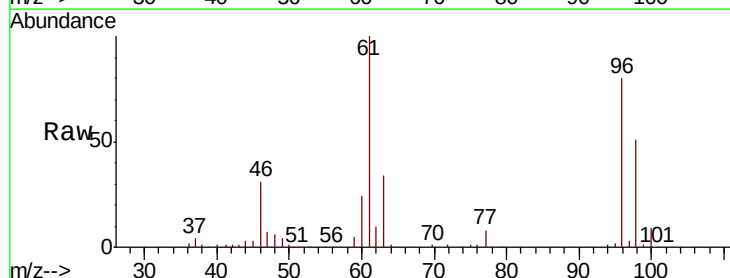
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

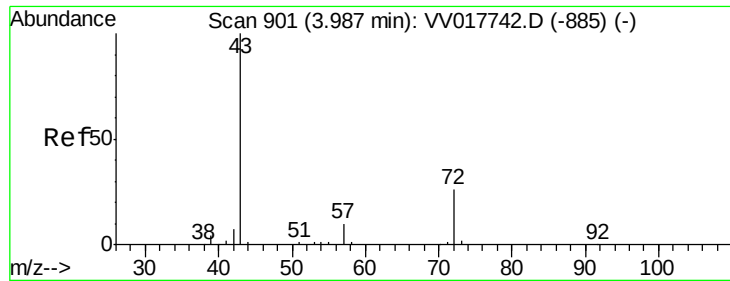
Tot Ion: 63 Resp: 205658
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.8 42.4
 83 15.7 11.0 20.4



#20
 cis-1,2-Dichloroethene
 Concen: 47.072 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion: 96 Resp: 125616
 Ion Ratio Lower Upper
 96 100
 61 124.7 87.3 162.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.177 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

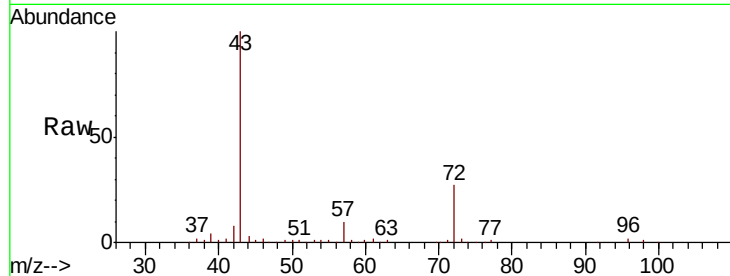
VSTD05063

Tot Ion: 43 Resp: 165124

Ion Ratio Lower Upper

43 100

72 26.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017742.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017742.D (-885) (-)

3.99

60000

50000

40000

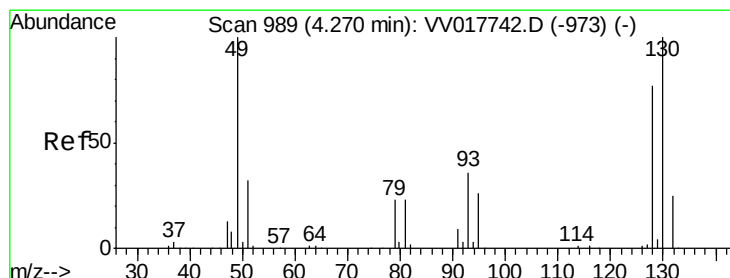
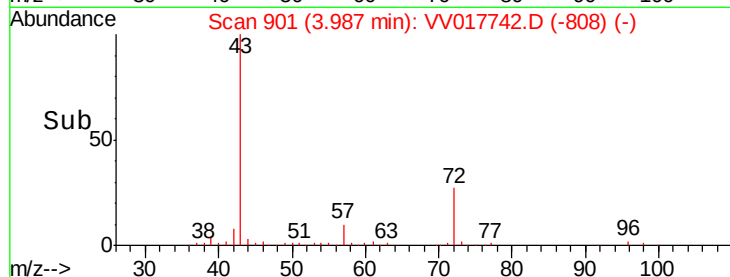
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 47.836 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Tgt Ion: 128 Resp: 70807

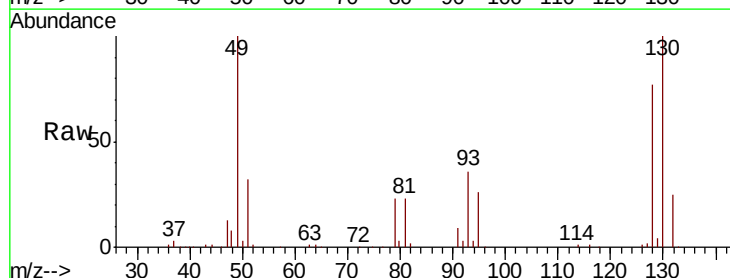
Ion Ratio Lower Upper

128 100

49 129.2 90.4 168.0

130 129.3 90.5 168.1

51 40.9 32.7 49.1



Abundance Ion 128.00 (127.70 to 128.70): VV017742.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV017742.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV017742.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV017742.D (-973) (-)

4.27

60000

50000

40000

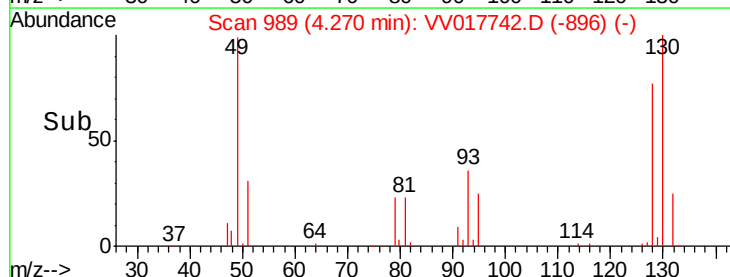
30000

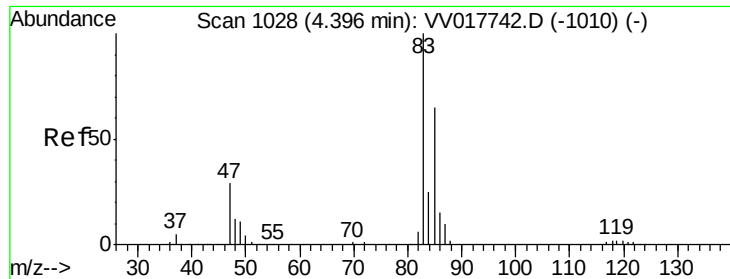
20000

10000

0

Time-->

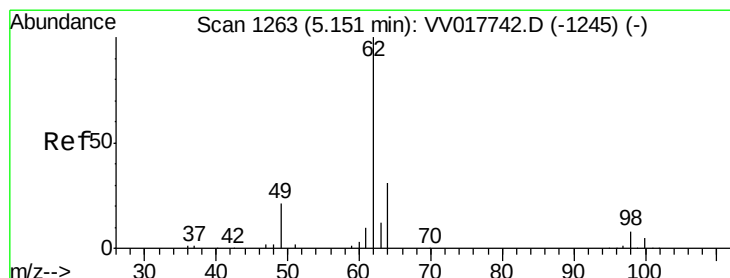
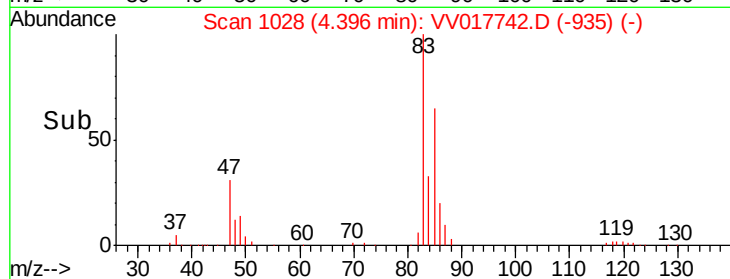
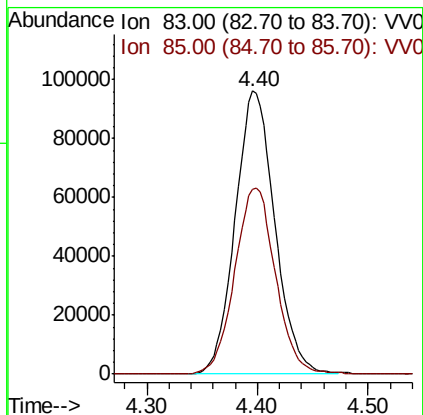
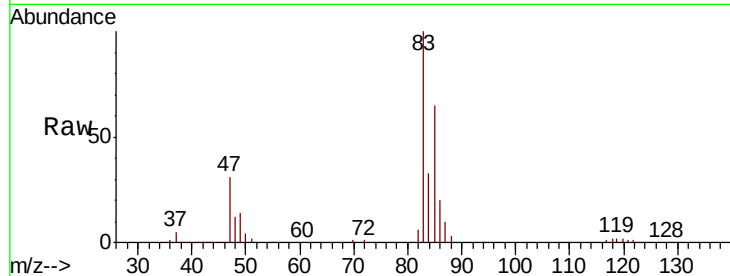




#25
Chloroform
Concen: 49.076 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

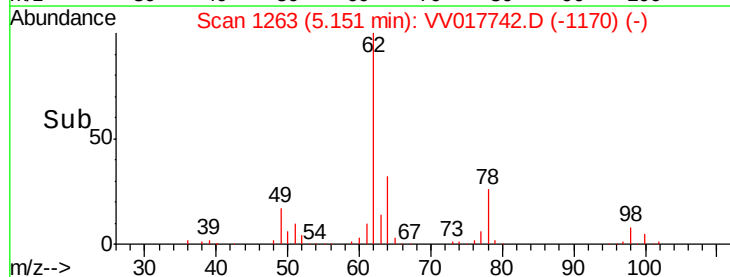
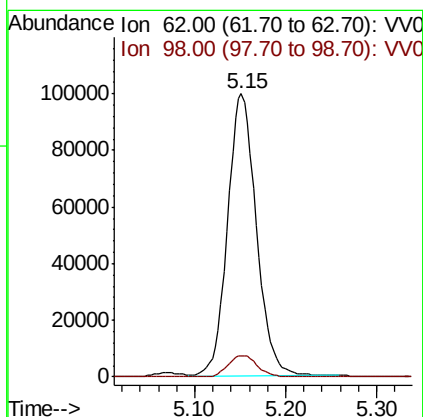
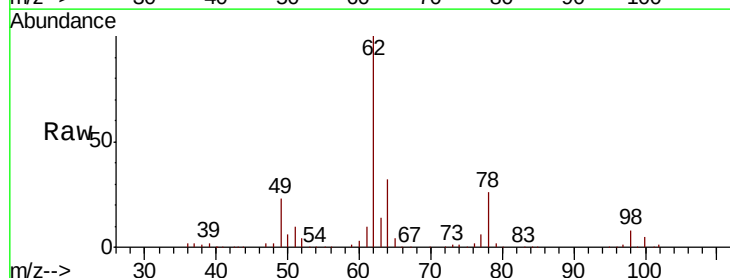
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

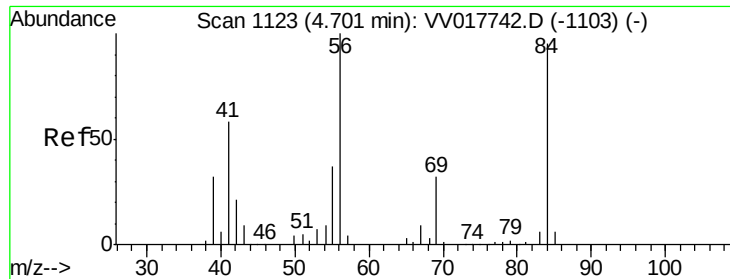
Tot Ion: 83 Resp: 239024
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 52.188 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Tgt Ion: 62 Resp: 219896
Ion Ratio Lower Upper
62 100
98 7.5 6.0 9.0

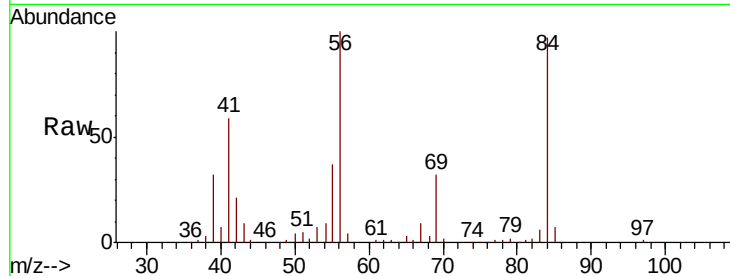




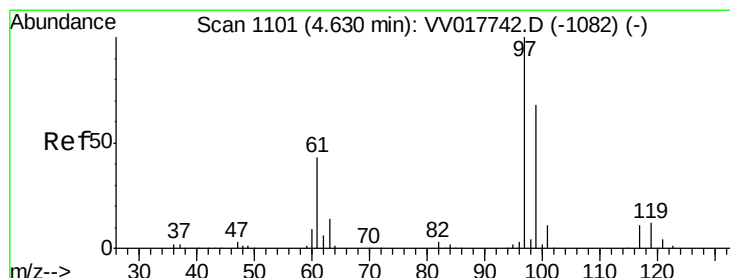
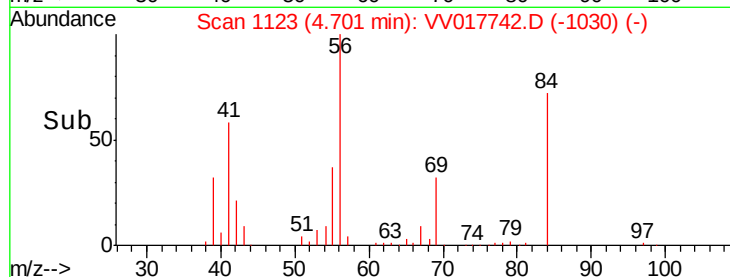
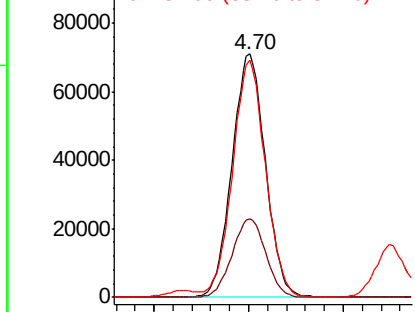
#29
Cyclohexane
Concen: 44.237 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion: 56 Resp: 174463
Ion Ratio Lower Upper
56 100
69 32.6 26.1 39.1
84 95.7 76.6 114.8

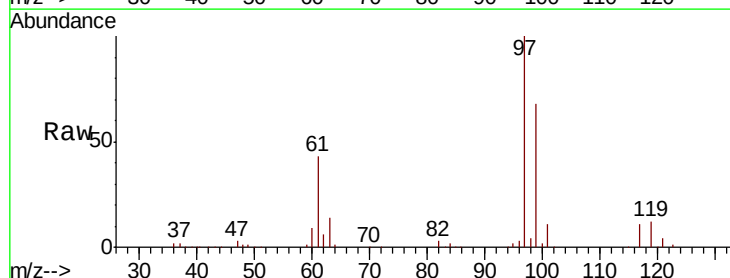


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

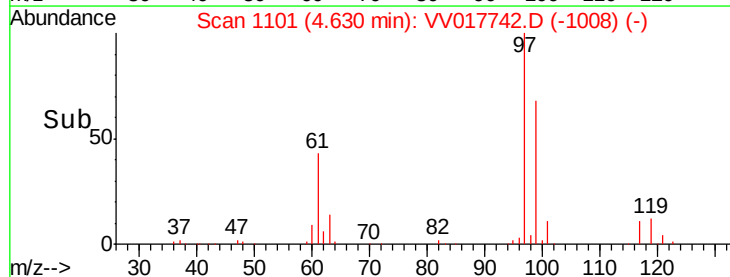
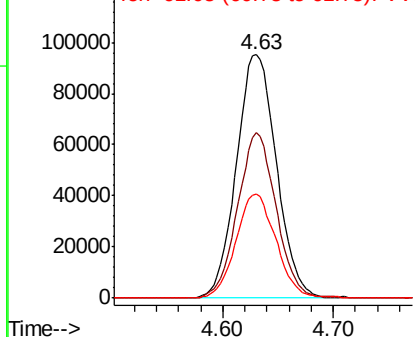


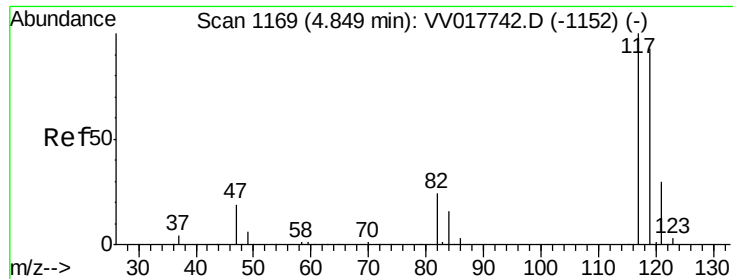
#30
1,1,1-Trichloroethane
Concen: 51.344 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Tgt Ion: 97 Resp: 240074
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 42.6 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

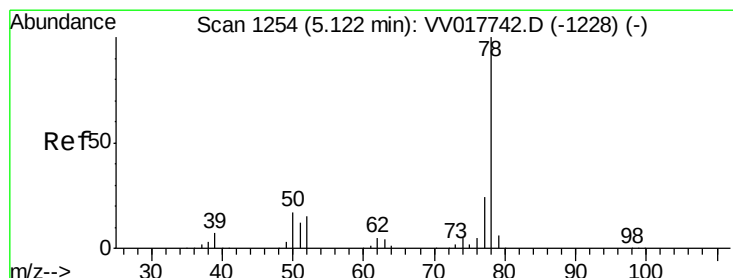
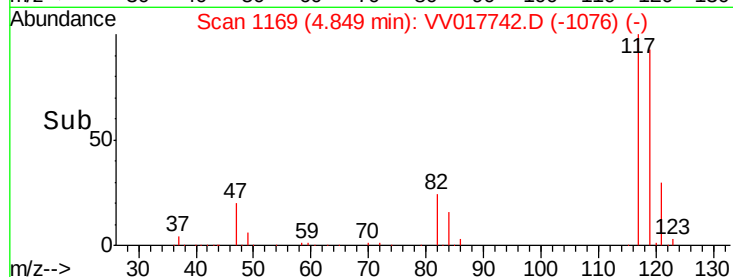
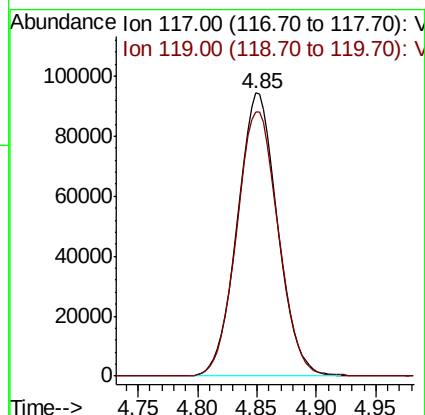
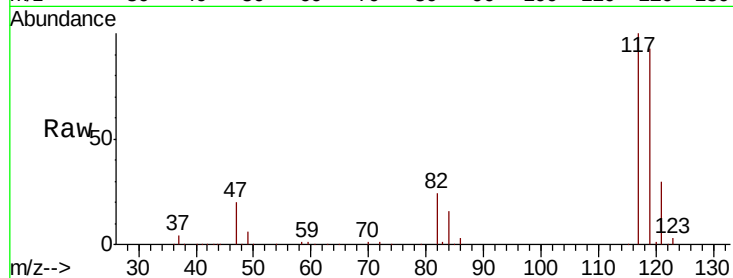




#31
Carbon tetrachloride
Concen: 52.007 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

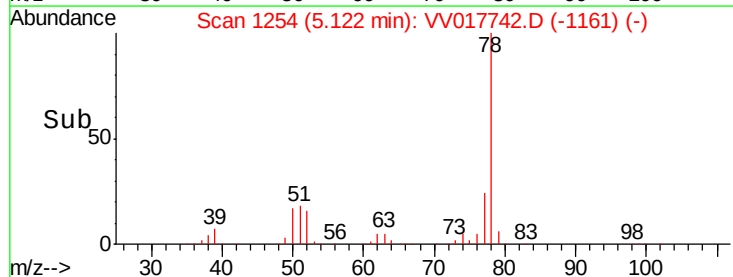
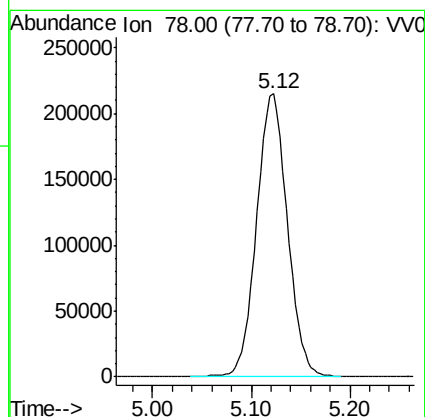
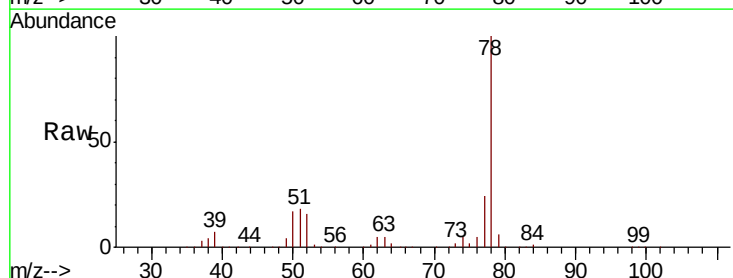
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

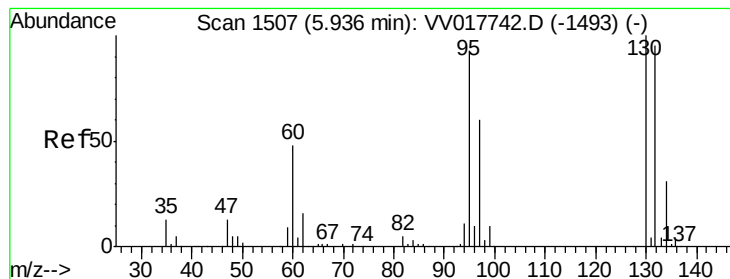
Tot Ion:117 Resp: 220887
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4



#33
Benzene
Concen: 47.496 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Tgt Ion: 78 Resp: 464642





#34

Trichloroethene

Concen: 47.887 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

Tot Ion: 95 Resp: 129819

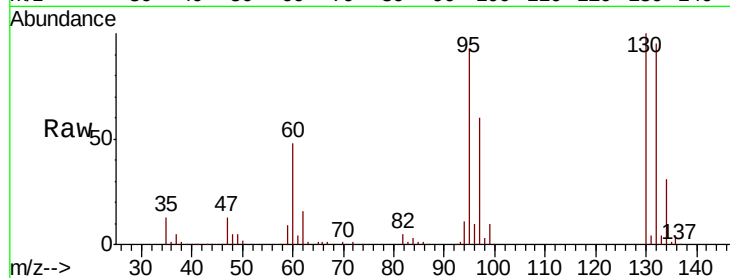
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 102.0 71.4 132.6

130 107.6 75.3 139.9

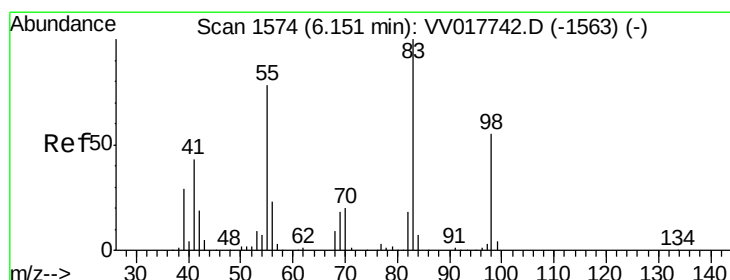
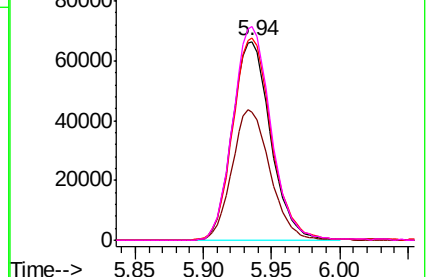
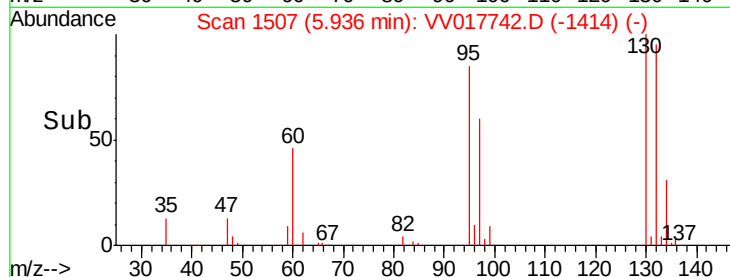


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 46.703 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

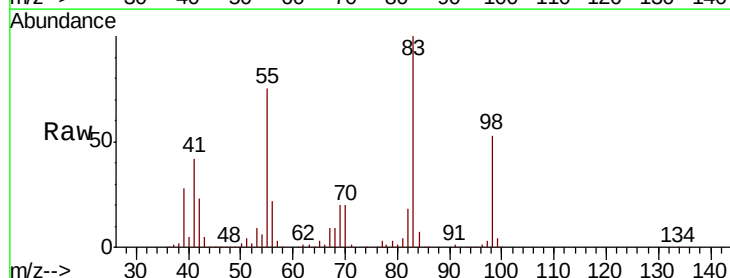
Tgt Ion: 83 Resp: 195202

Ion Ratio Lower Upper

83 100

55 74.3 59.4 89.2

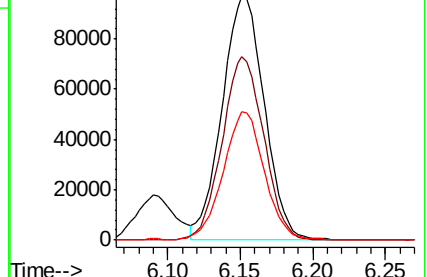
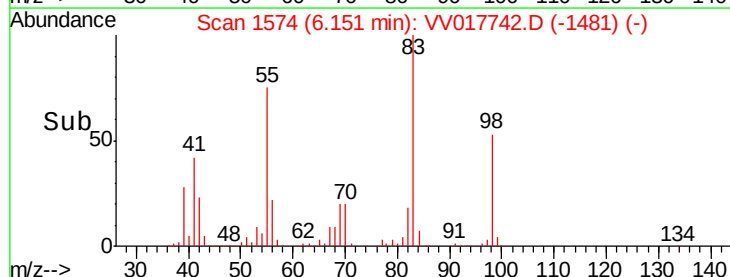
98 51.5 41.2 61.8

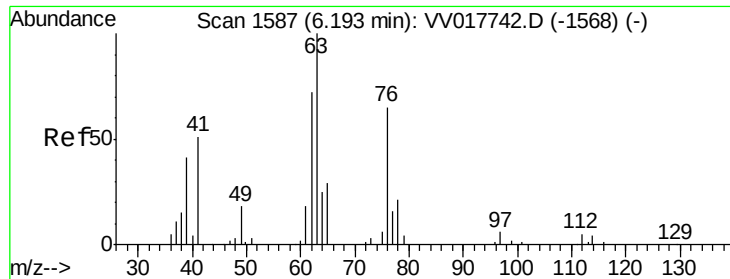


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

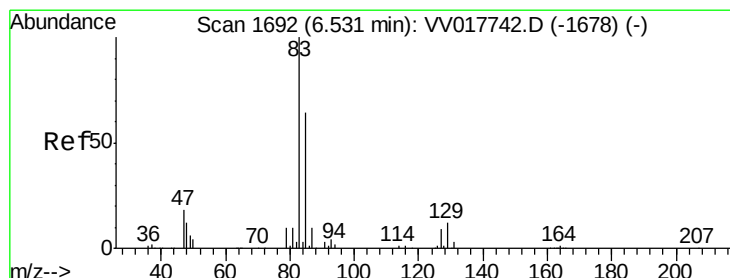
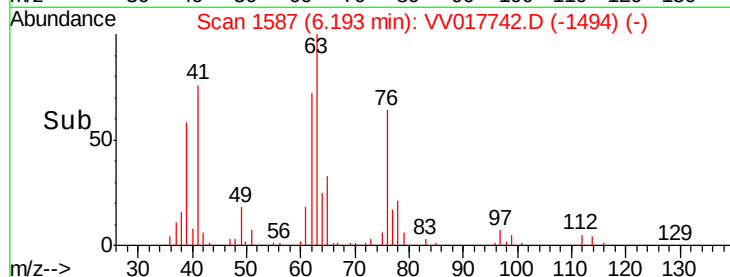
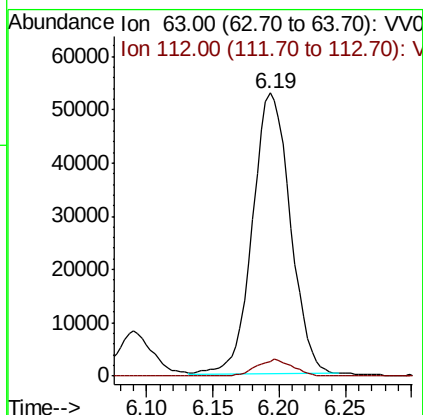
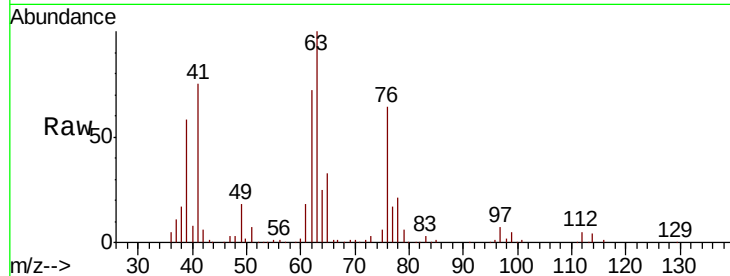




#37
 1,2-Dichloropropane
 Concen: 42.902 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

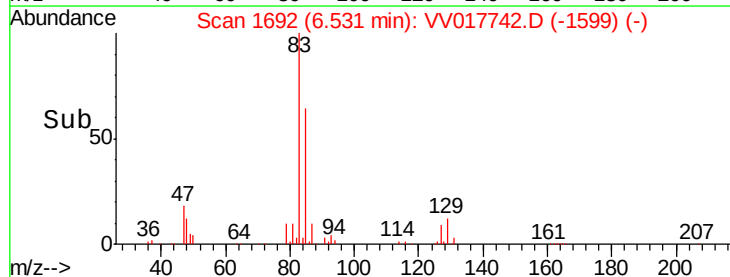
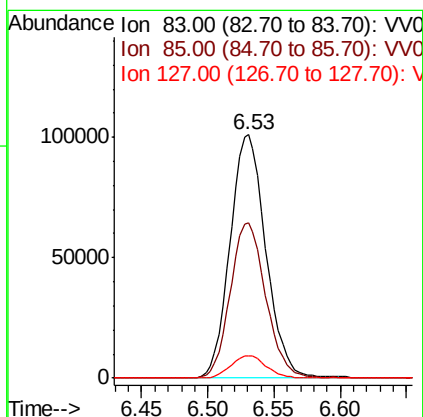
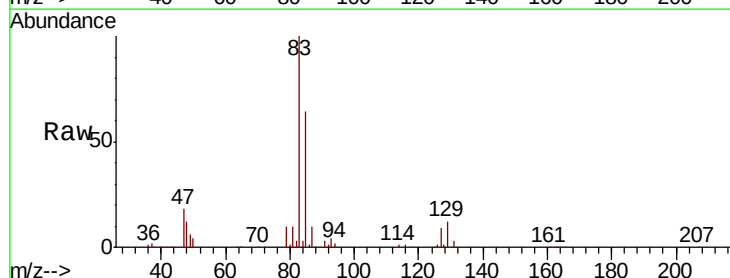
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

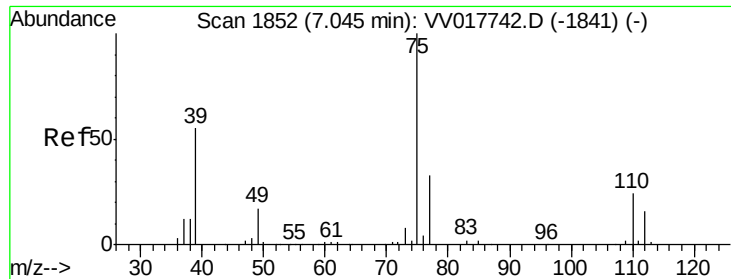
Tot Ion: 63 Resp: 105558
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.6 6.8



#38
 Bromodichloromethane
 Concen: 50.660 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion: 83 Resp: 189344
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 9.2 7.4 11.0

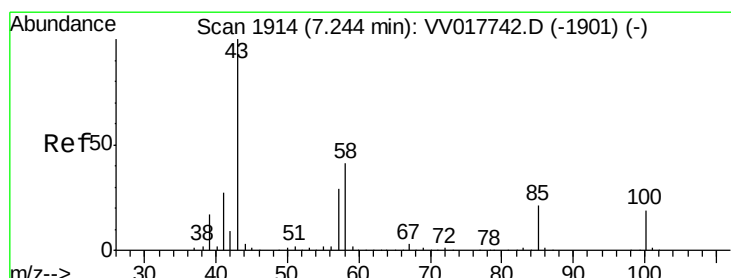
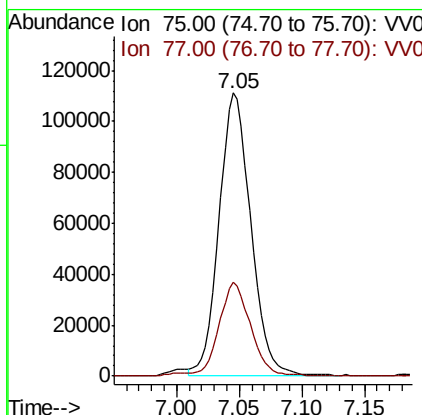
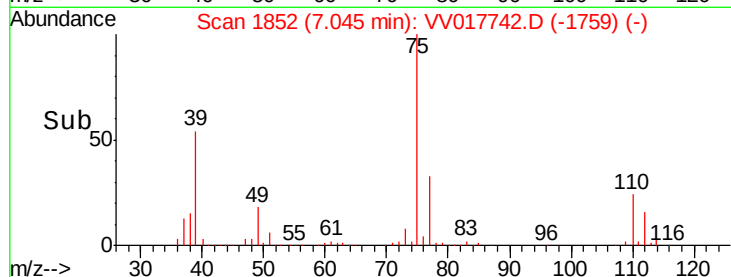
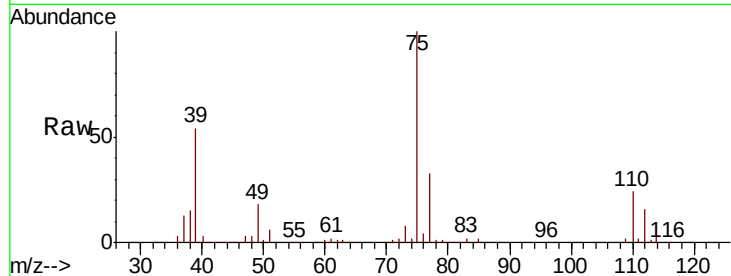




#39
 cis-1,3-Dichloropropene
 Concen: 46.865 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

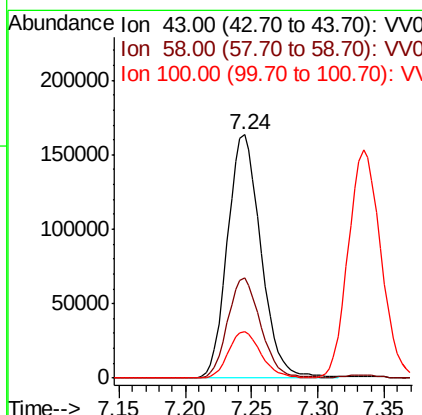
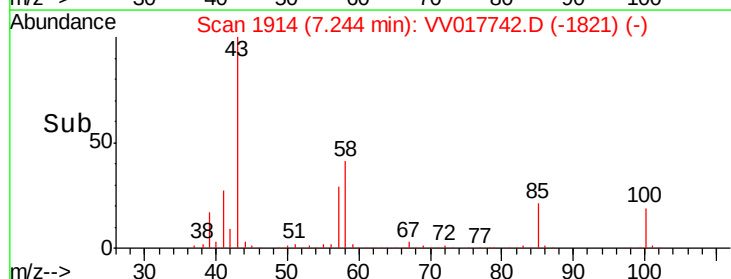
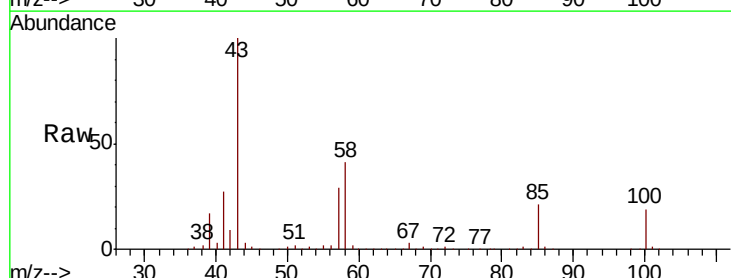
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05063

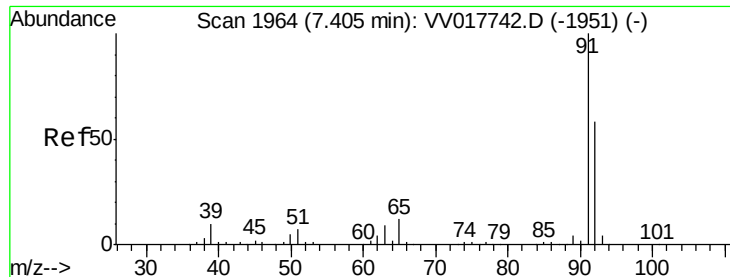
Tot Ion: 75 Resp: 195251
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 85.368 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion: 43 Resp: 287385
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 18.6 14.9 22.3





#42

Toluene

Concen: 48.625 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

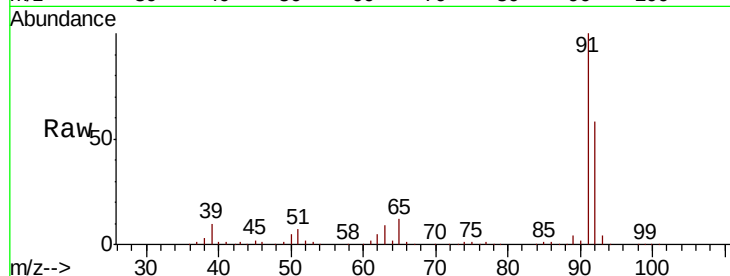
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion: 91 Resp: 524880

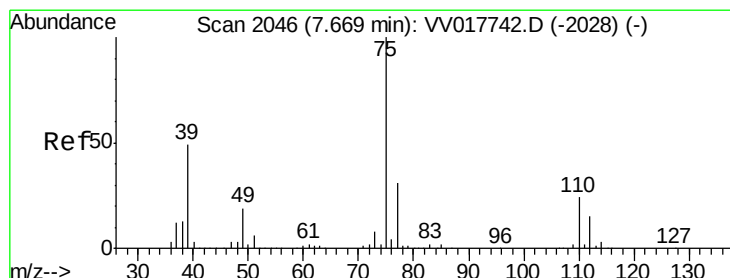
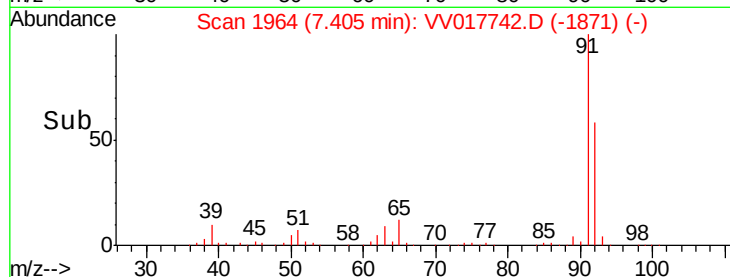
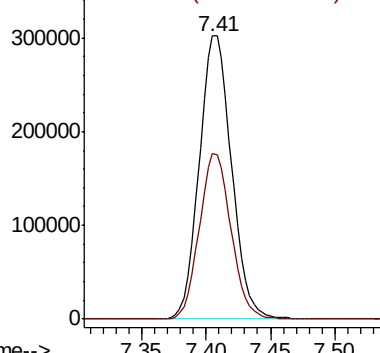
Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 49.396 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017742.D

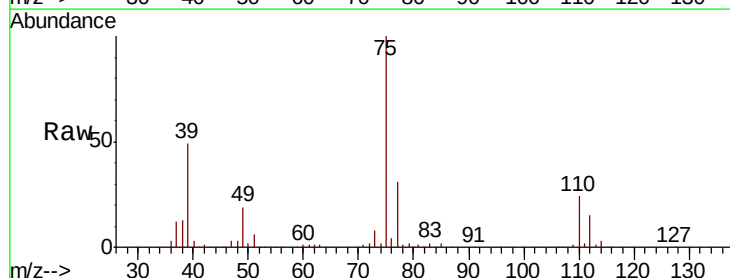
Acq: 30 Jul 2020 10:57

Tgt Ion: 75 Resp: 208077

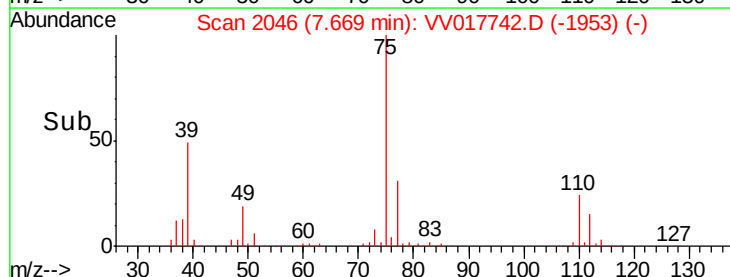
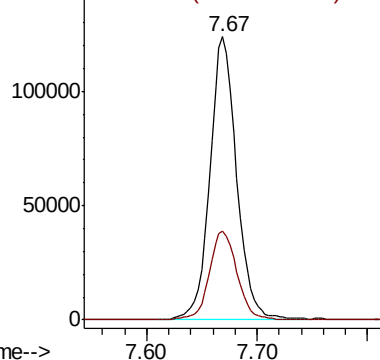
Ion Ratio Lower Upper

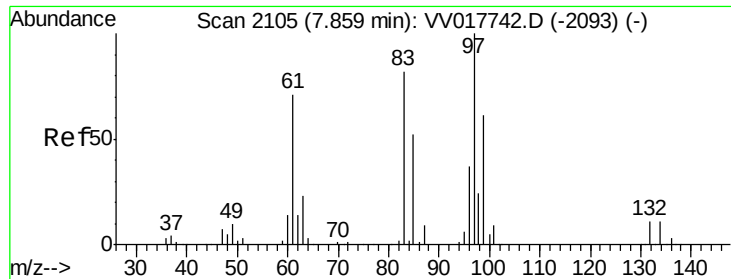
75 100

77 31.2 21.8 40.6



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

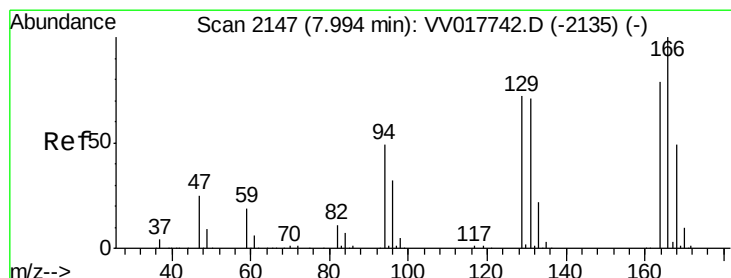
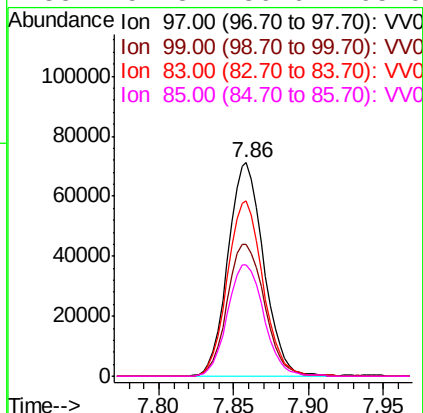
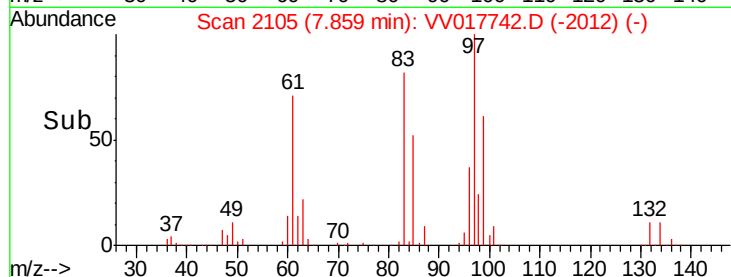
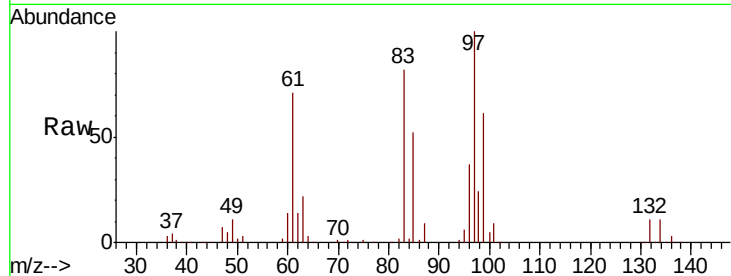




#45
 1,1,2-Trichloroethane
 Concen: 46.987 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

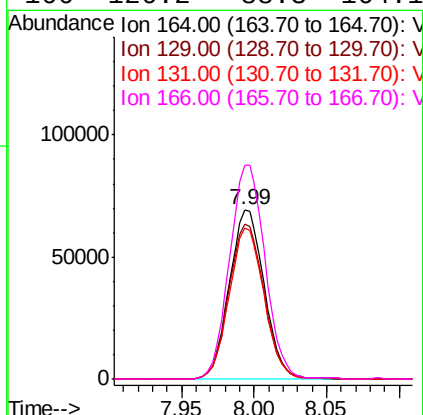
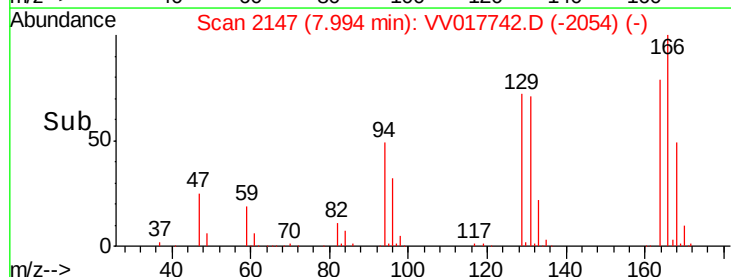
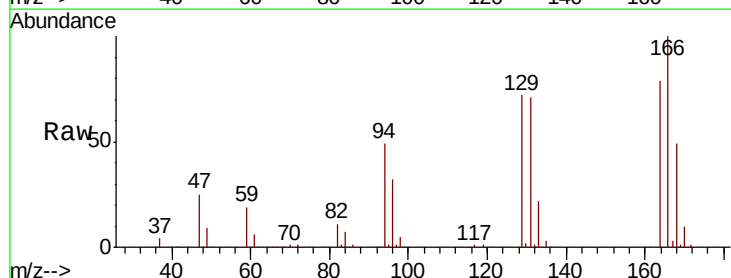
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

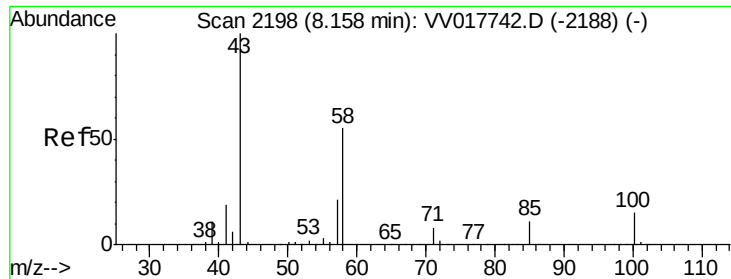
Tot Ion:	97	Resp:	118602
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.0	80.0
83	81.9	57.3	106.5
85	52.3	36.6	68.0



#46
 Tetrachloroethene
 Concen: 49.858 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion:	164	Resp:	115391
Ion	Ratio	Lower	Upper
164	100		
129	91.3	63.9	118.7
131	89.5	62.6	116.3
166	126.2	88.3	164.1

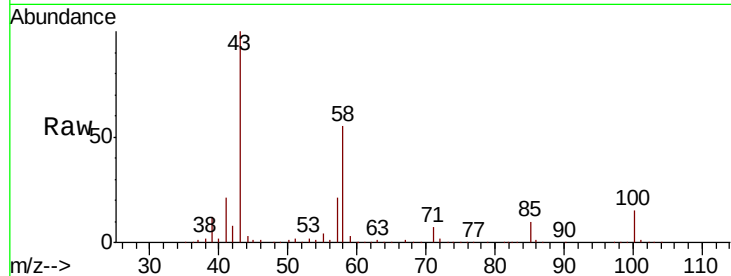




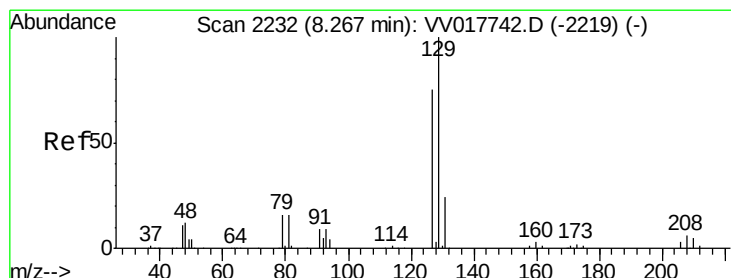
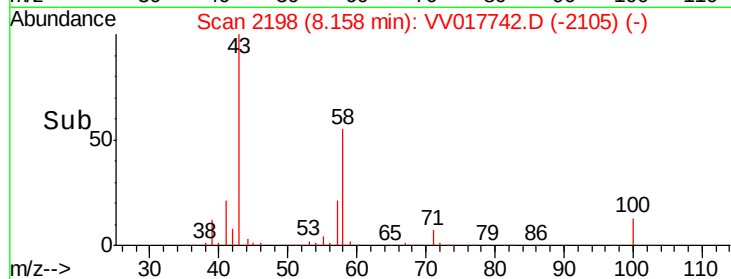
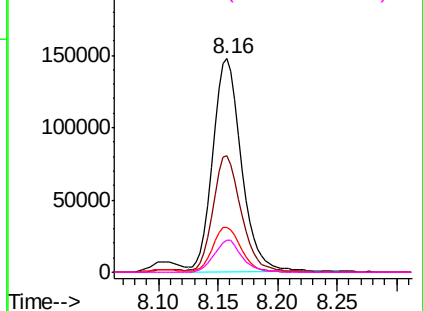
#48
2-Hexanone
Concen: 91.078 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion: 43 Resp: 246220
Ion Ratio Lower Upper
43 100
58 53.5 42.8 64.2
57 20.7 16.6 24.8
100 14.5 11.6 17.4

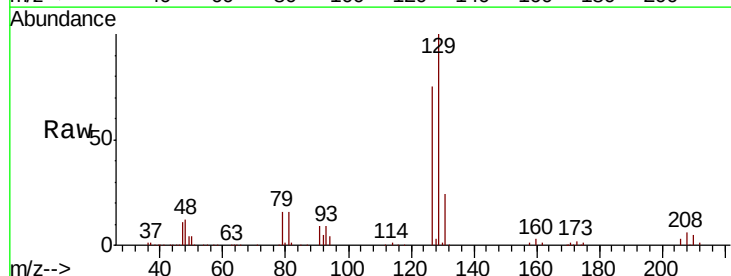


Abundance Ion 43.00 (42.70 to 43.70): VV017742.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV017742.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV017742.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV017742.D (-2188) (-)

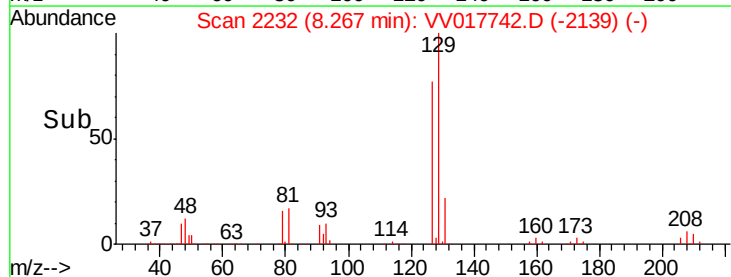
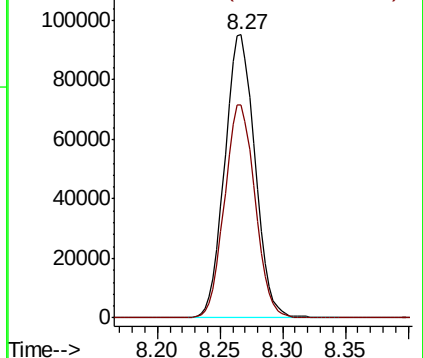


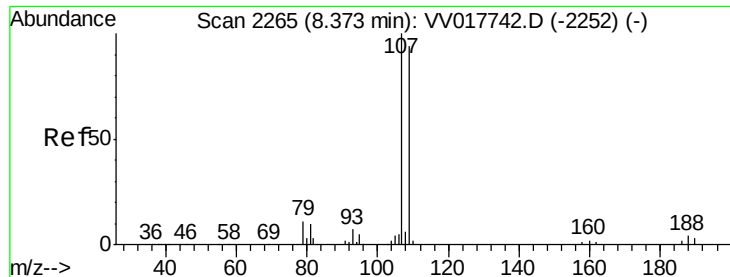
#49
Dibromochloromethane
Concen: 50.969 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Tgt Ion: 129 Resp: 159614
Ion Ratio Lower Upper
129 100
127 75.2 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): VV017742.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV017742.D (-2219) (-)

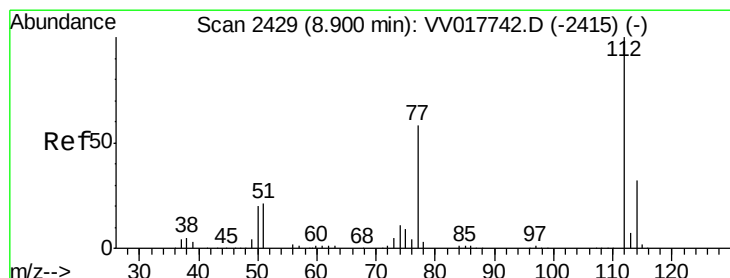
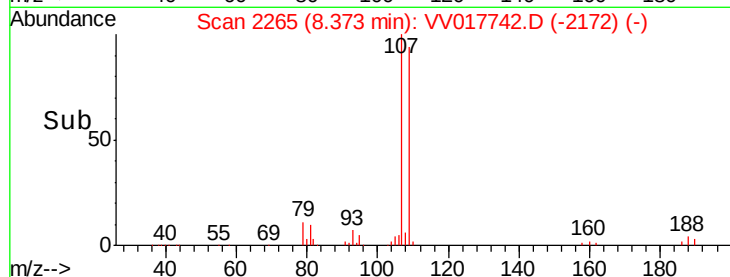
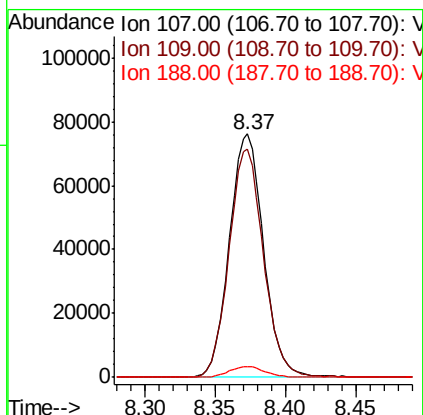
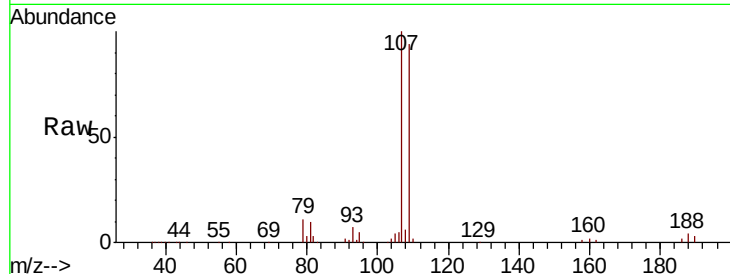




#50
1,2-Dibromoethane
Concen: 47.163 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

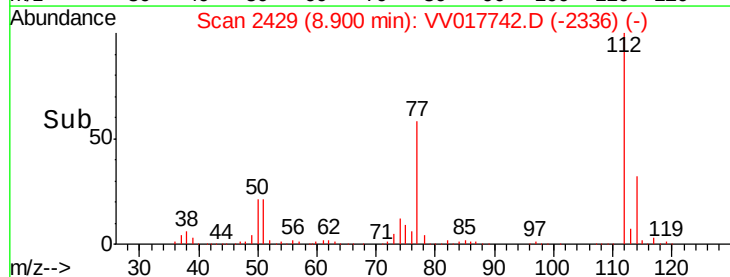
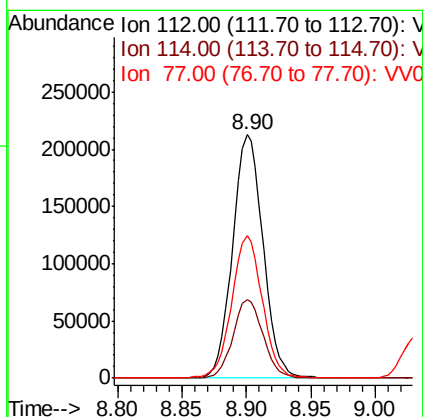
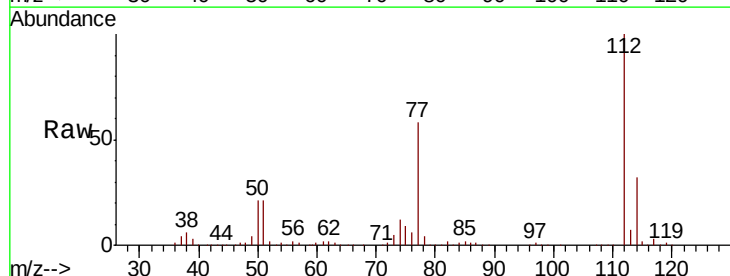
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

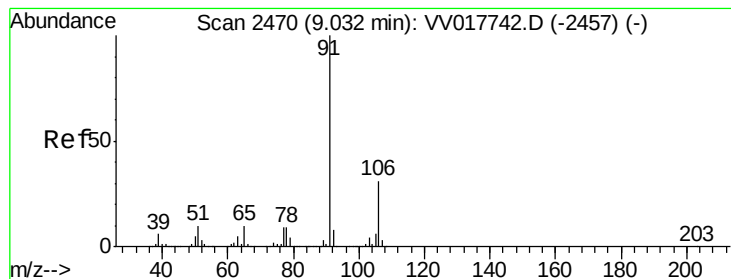
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.5	121.7
188	4.5	3.6	5.4



#51
Chlorobenzene
Concen: 48.619 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017742.D
Acq: 30 Jul 2020 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	58.3	46.6	70.0





#52

Ethylbenzene

Concen: 49.326 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

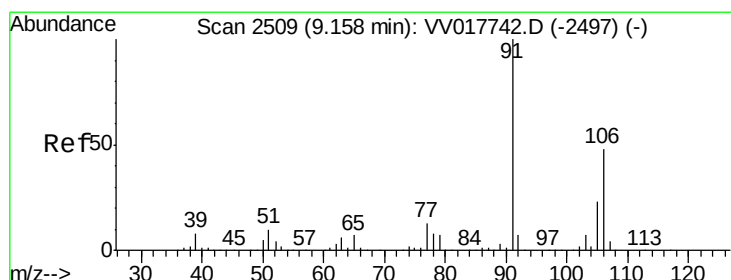
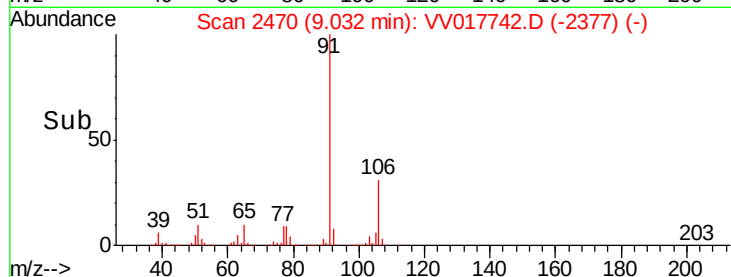
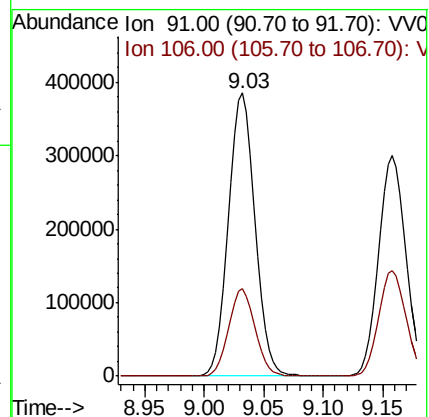
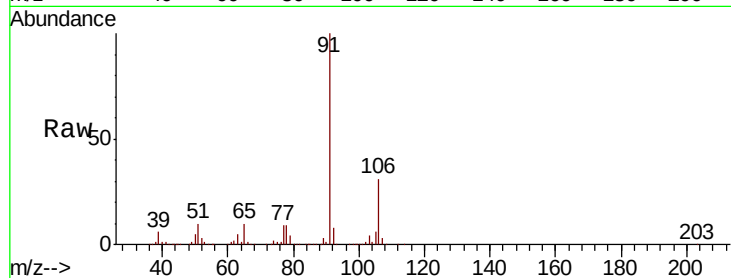
VSTD05063

Tot Ion: 91 Resp: 597895

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-Xylene

Concen: 49.449 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017742.D

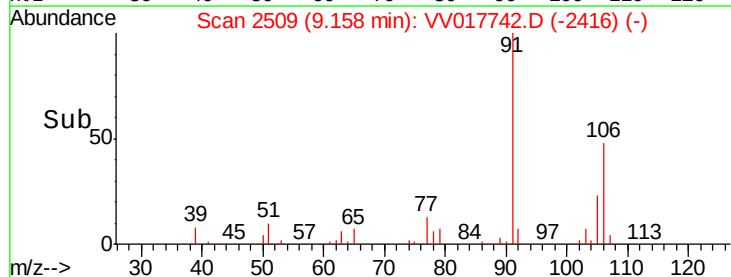
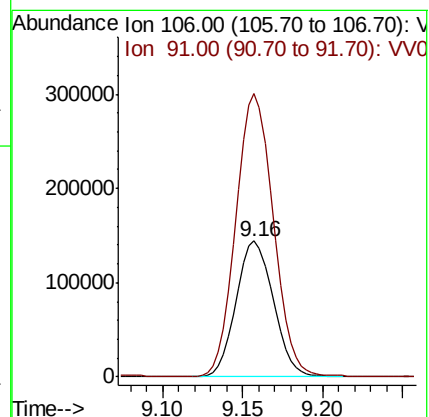
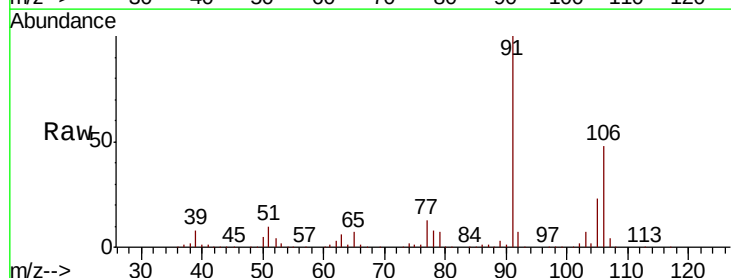
Acq: 30 Jul 2020 10:57

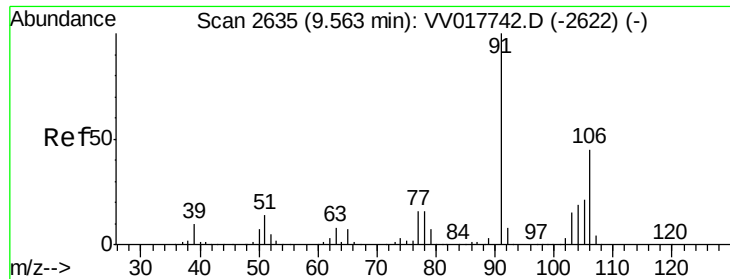
Tgt Ion: 106 Resp: 229383

Ion Ratio Lower Upper

106 100

91 208.3 145.8 270.8





#54

o-xylene

Concen: 49.658 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

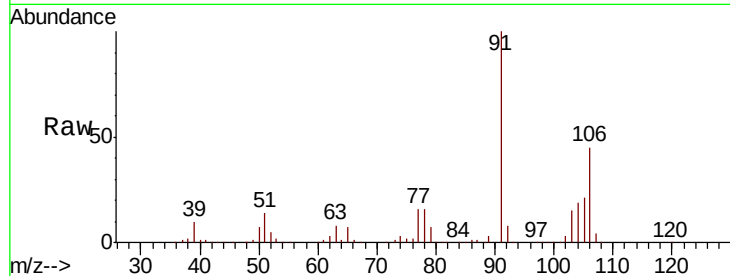
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion:106 Resp: 223688

Ion Ratio Lower Upper

106 100

91 223.4 156.4 290.4



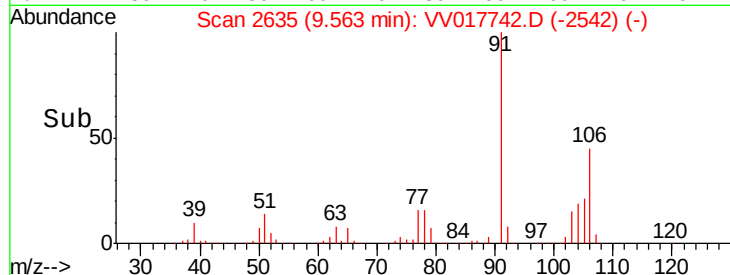
Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

300000

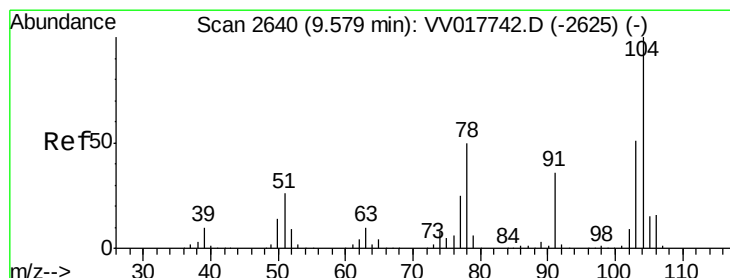
200000

100000

0



Time-->



#55

Styrene

Concen: 50.503 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017742.D

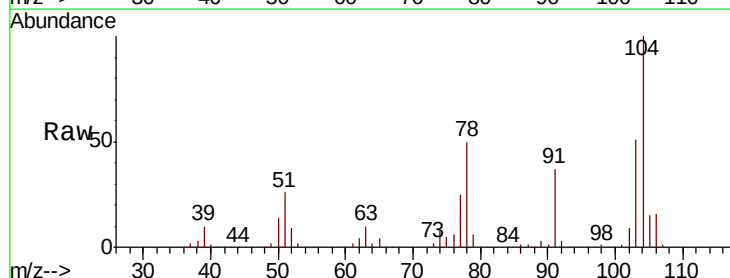
Acq: 30 Jul 2020 10:57

Tgt Ion:104 Resp: 388053

Ion Ratio Lower Upper

104 100

78 49.8 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

250000

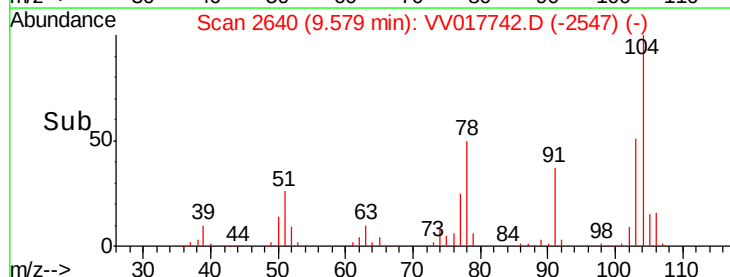
200000

150000

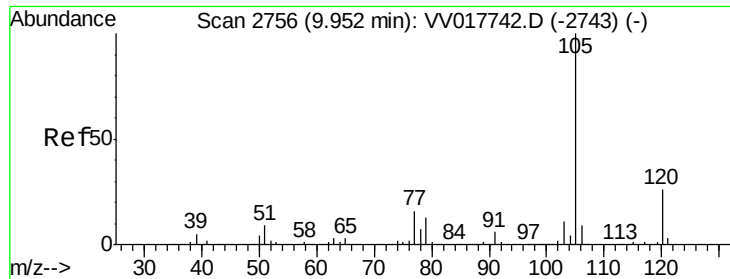
100000

50000

0



Time-->



#56

Isopropylbenzene

Concen: 50.206 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampled :

VSTD05063

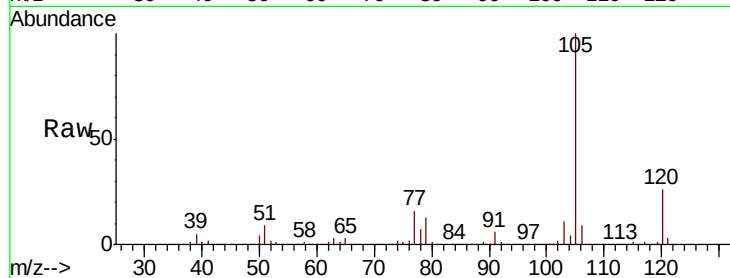
Tot Ion:105 Resp: 613222

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

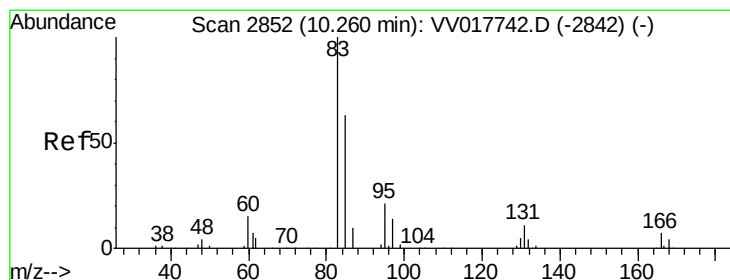
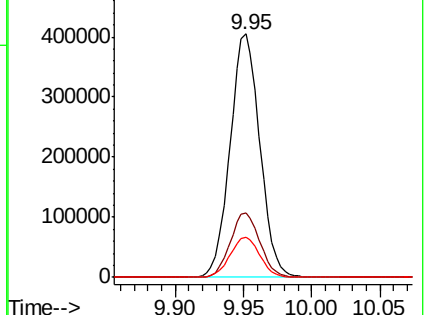
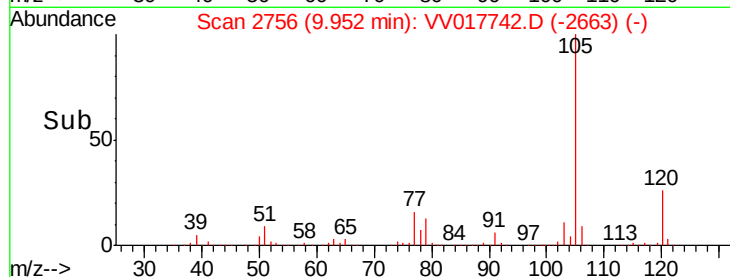
77 16.5 13.2 19.8



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: 43.937 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

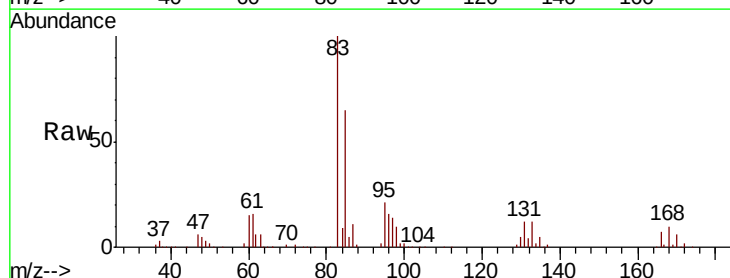
Tgt Ion: 83 Resp: 171451

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

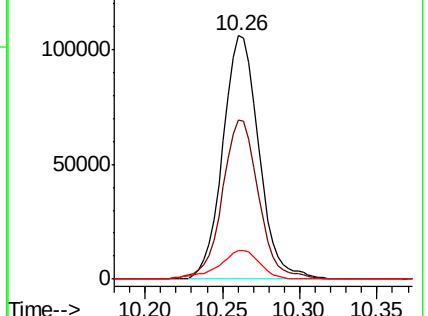
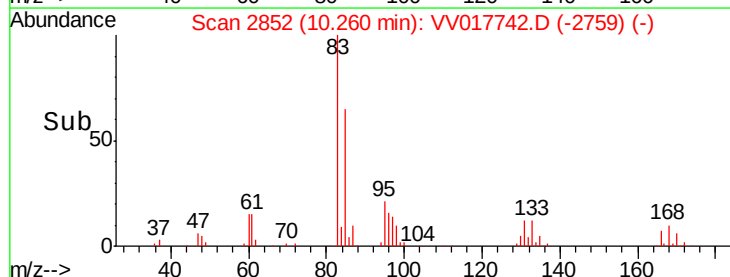
131 11.9 9.5 14.3

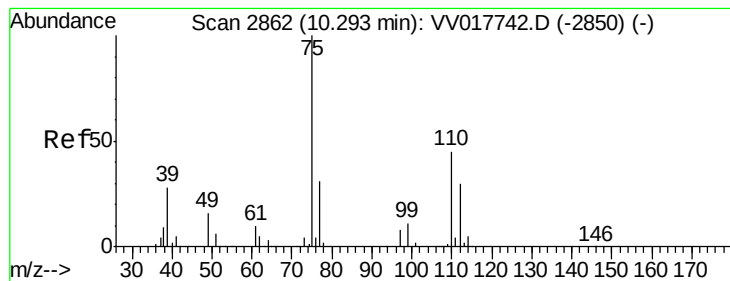


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.709 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

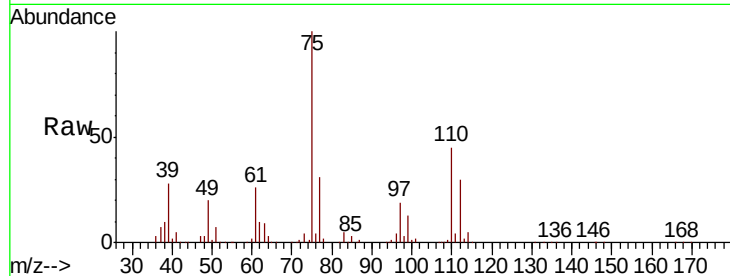
VSTD05063

Tot Ion: 75 Resp: 149796

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

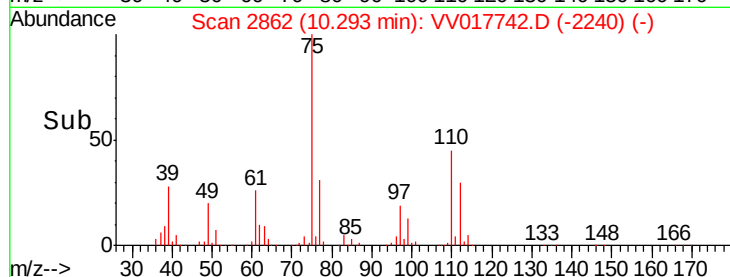


Abundance Ion 75.00 (74.70 to 75.70): VV017742.D (-2850) (-)

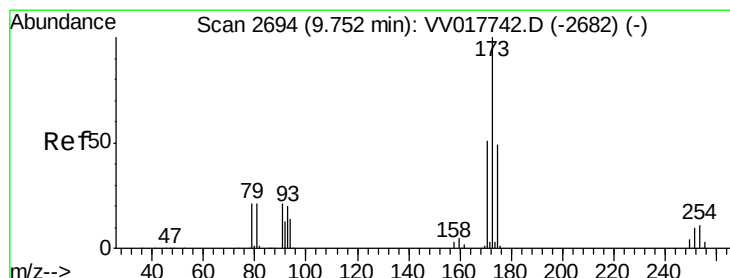
Ion 77.00 (76.70 to 77.70): VV017742.D (-2850) (-)

10.29

Time-->



Time-->



#61

Bromoform

Concen: 47.920 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

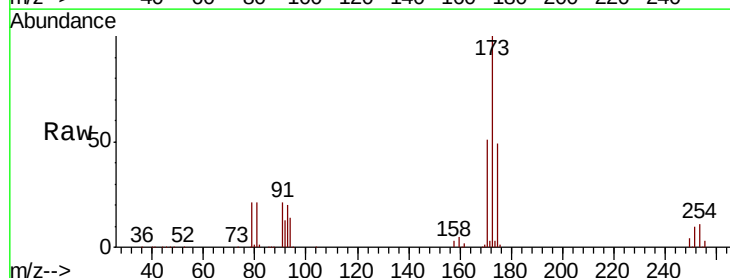
Tgt Ion: 173 Resp: 117569

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

254 10.5 8.4 12.6



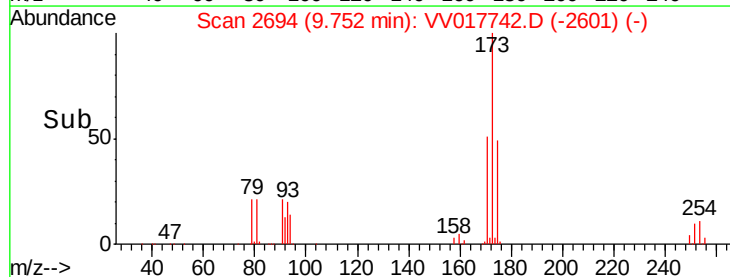
Abundance Ion 173.00 (172.70 to 173.70): VV017742.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017742.D (-2682) (-)

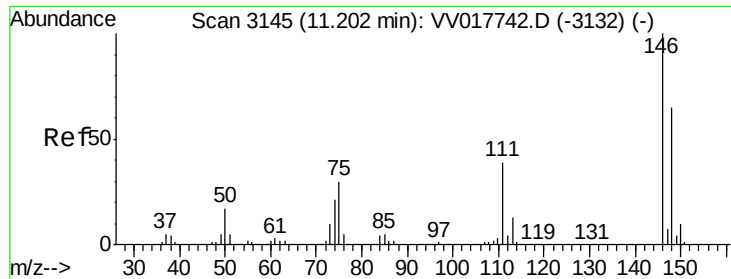
Ion 254.00 (253.70 to 254.70): VV017742.D (-2682) (-)

9.75

Time-->



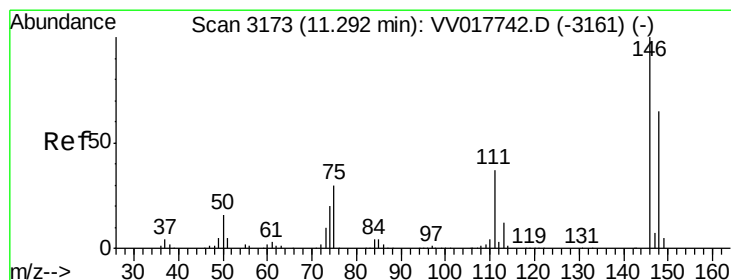
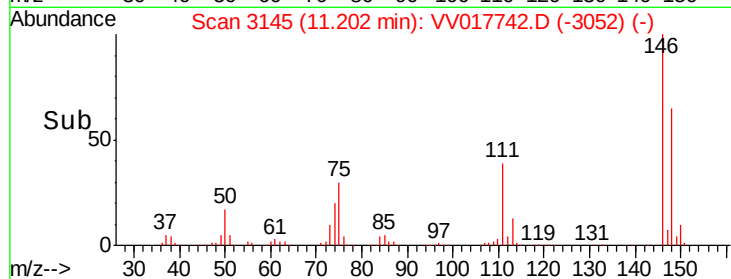
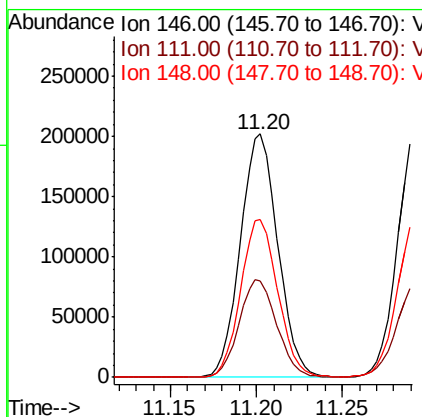
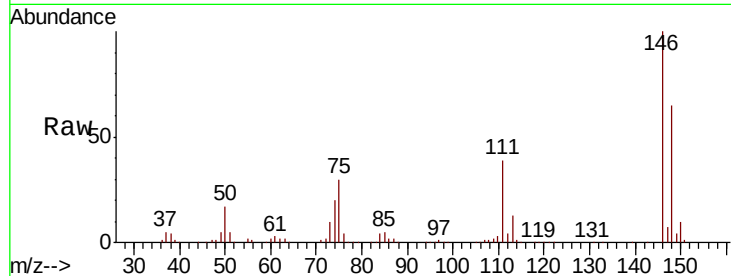
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 48.263 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

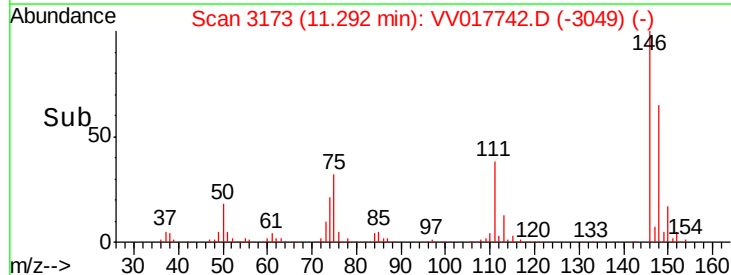
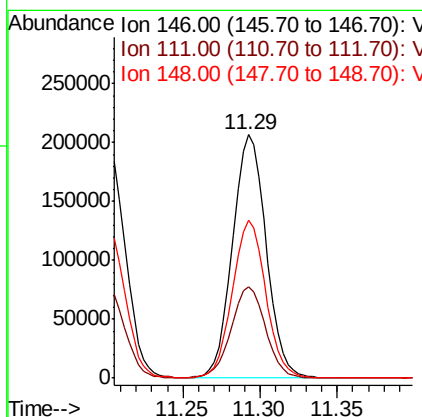
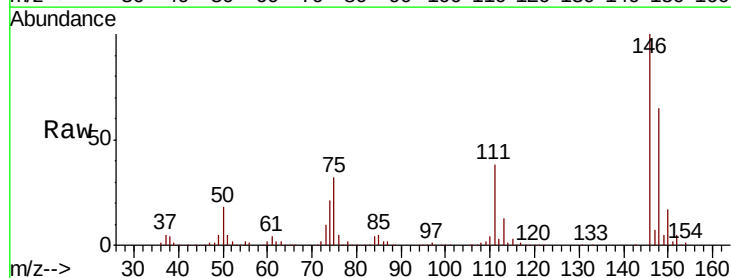
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

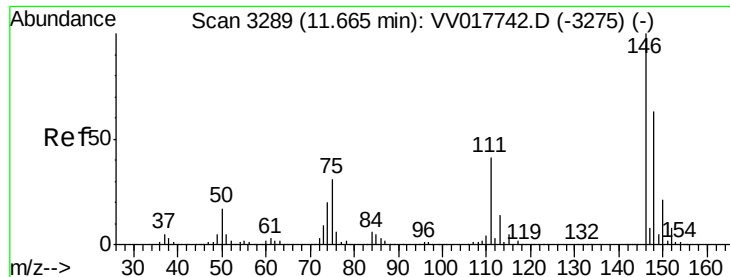
Tot Ion:146 Resp: 305491
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 64.7 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 48.143 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion:146 Resp: 311717
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.4 49.0
 148 64.7 45.3 84.1

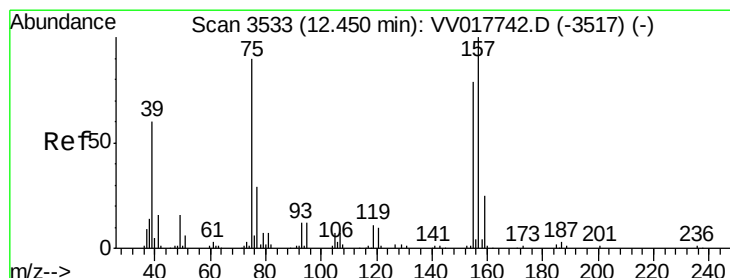
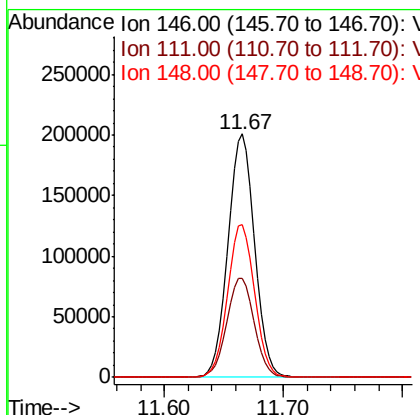
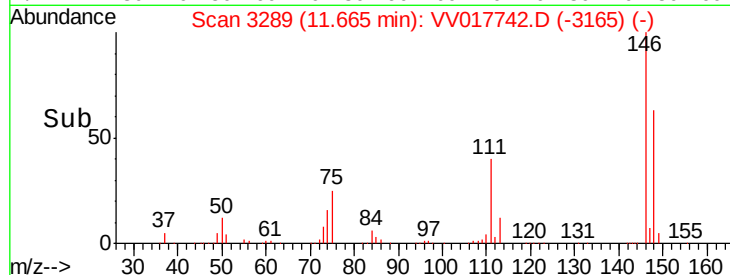
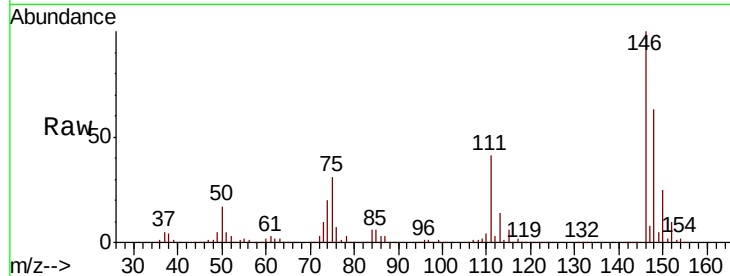




#65
 1,2-Dichlorobenzene
 Concen: 48.644 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

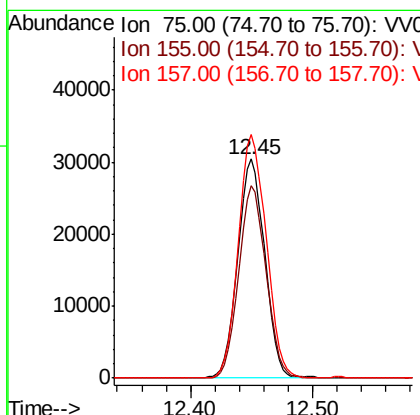
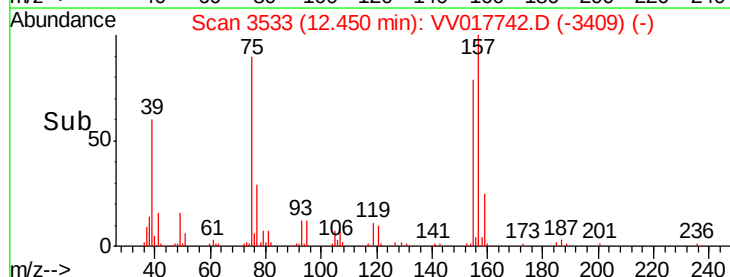
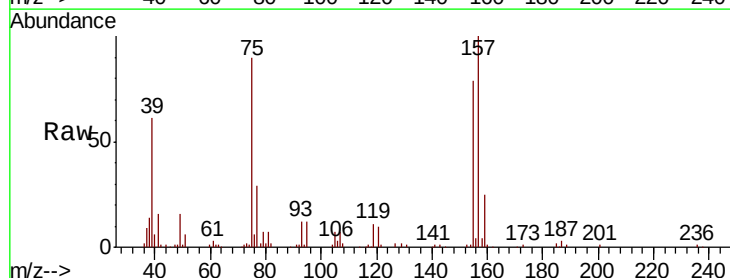
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

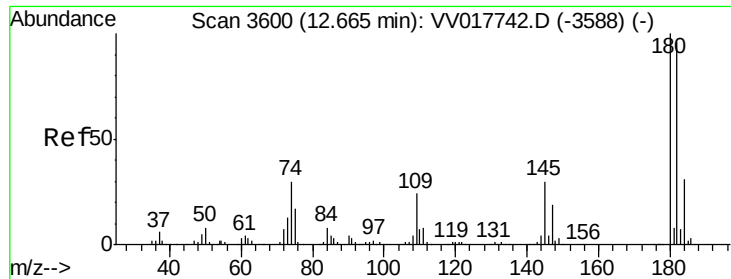
Tot Ion:146 Resp: 311750
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.6 49.0
 148 63.0 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.026 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion: 75 Resp: 46607
 Ion Ratio Lower Upper
 75 100
 155 87.7 70.2 105.2
 157 111.1 88.9 133.3

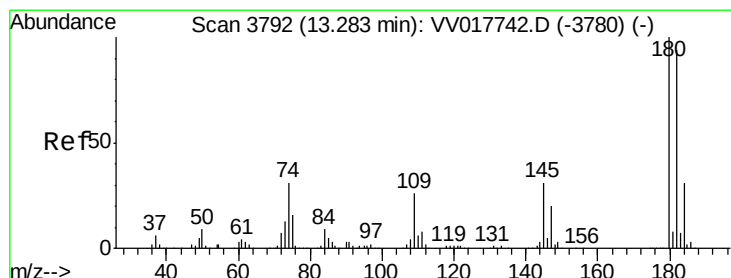
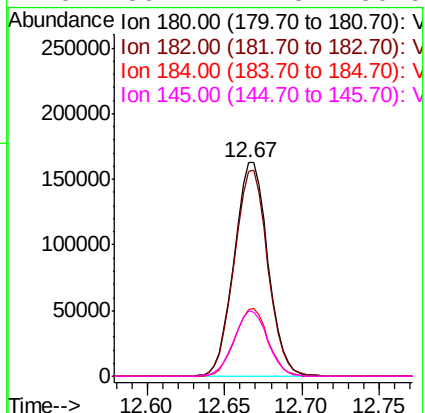
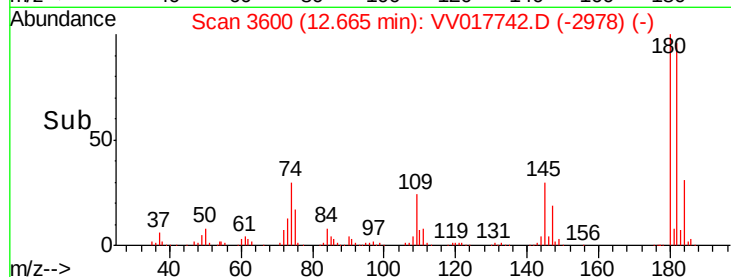
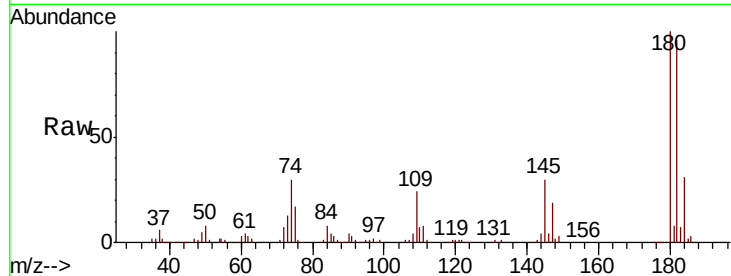




#67
 1,3,5-Trichlorobenzene
 Concen: 49.179 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

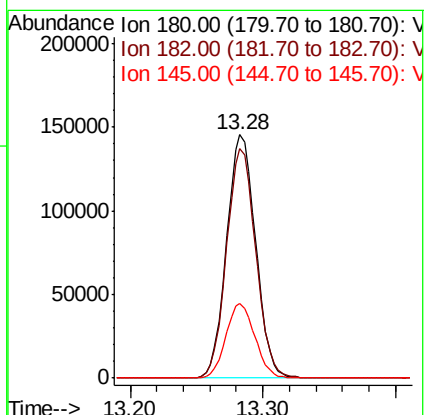
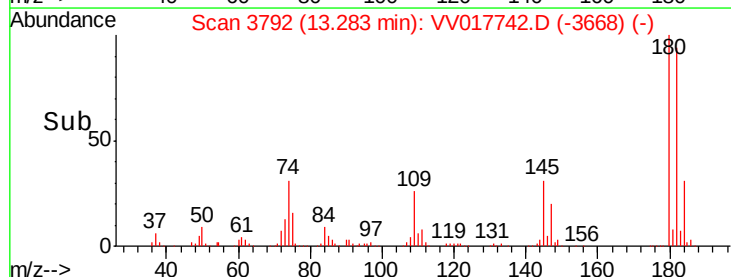
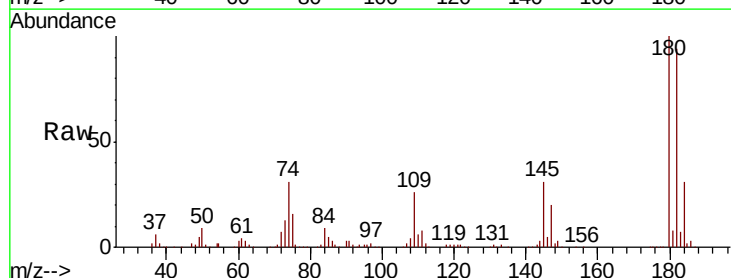
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

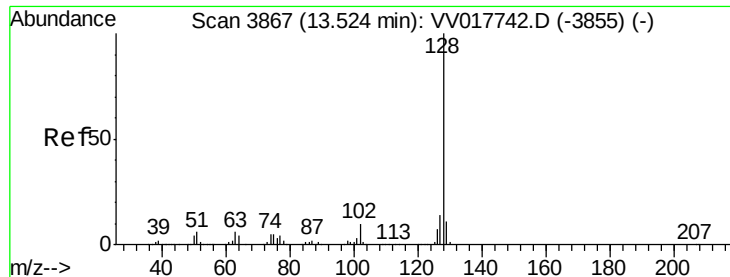
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	31.4	25.1	37.7
145	30.4	24.3	36.5



#68
 1,2,4-trichlorobenzene
 Concen: 49.631 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017742.D
 Acq: 30 Jul 2020 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	30.7	24.6	36.8





#69

Naphthalene

Concen: 47.881 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Instrument :

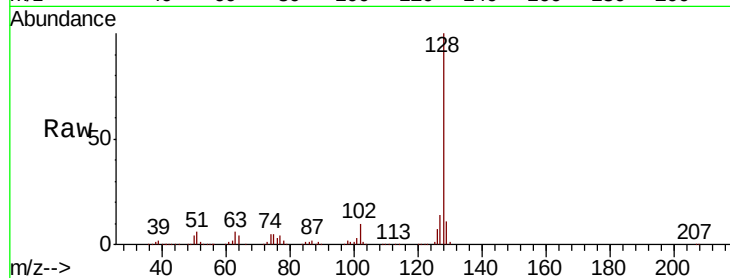
MSVOA_V

ClientSampleId :

VSTD05063

Tot Ion:128 Resp: 584924

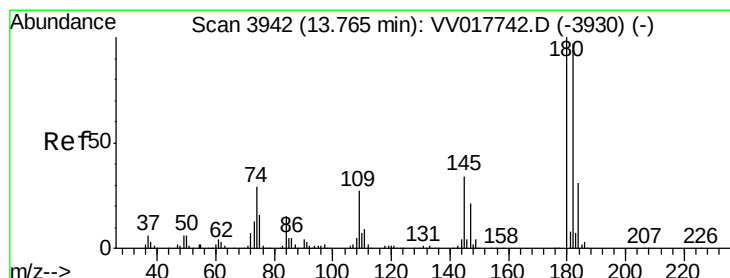
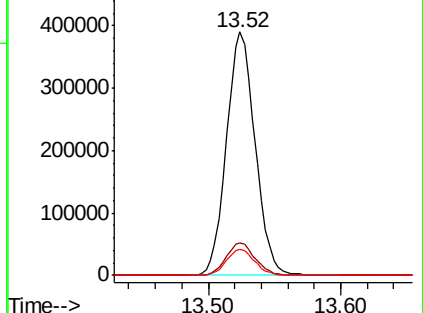
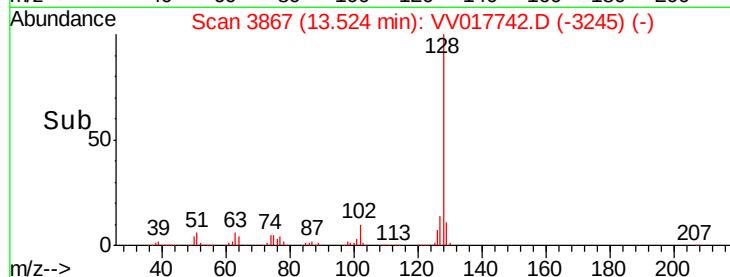
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.5	8.4	12.6



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: 48.798 ug/L

RT: 13.77 min Scan# 3942

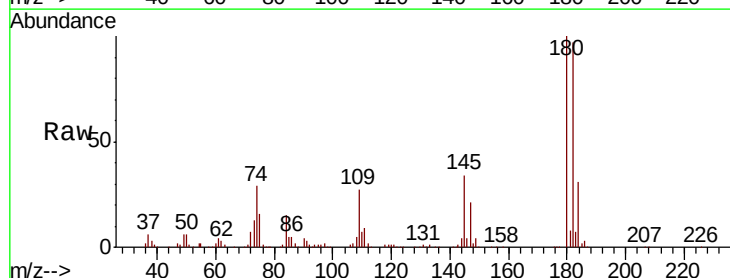
Delta R.T. 0.00 min

Lab File: VV017742.D

Acq: 30 Jul 2020 10:57

Tgt Ion:180 Resp: 215931

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	33.0	26.4	39.6



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

