

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017852.D
 Acq On : 08 Aug 2020 13:50
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Quant Time: Aug 10 04:22:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 02:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	262661	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	253929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	143255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	67401	49.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.38%
7) Chloroethane-d5	1.58	69	56366	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.82%
11) 1,1-Dichloroethene-d2	2.12	63	160193	49.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.30%
21) 2-Butanone-d5	3.91	46	85721	100.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.92%
24) Chloroform-d	4.37	84	178205	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.05	65	130124	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
32) Benzene-d6	5.07	84	292372	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
36) 1,2-Dichloropropane-d6	6.09	67	77173	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.82%
41) Toluene-d8	7.34	98	298226	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.64	79	50766	53.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.06%
47) 2-Hexanone-d5	8.11	63	58462	108.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.57%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	114357	49.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	144416	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	105223	50.386	ug/L 97
3) Chloromethane	1.25	50	65759	49.772	ug/L 99
5) Vinyl chloride	1.32	62	75705	49.329	ug/L 96
6) Bromomethane	1.53	94	54600	52.303	ug/L 93
8) Chloroethane	1.60	64	47975	49.532	ug/L 98
9) Trichlorofluoromethane	1.76	101	187772	49.714	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	82269	49.025	ug/L 100
12) 1,1-Dichloroethene	2.13	96	75614	48.865	ug/L 88
13) Acetone	2.19	43	97897	88.567	ug/L 98
14) Carbon disulfide	2.31	76	191142	53.594	ug/L 98
15) Methyl Acetate	2.45	43	62946	51.634	ug/L 99
16) Methylene chloride	2.52	84	80205	49.294	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	78187	49.505	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	281466	51.764	ug/L 99
19) 1,1-Dichloroethane	3.21	63	133077	51.055	ug/L 95
20) cis-1,2-Dichloroethene	3.94	96	89187	52.285	ug/L 100
22) 2-Butanone	4.00	43	93504	97.443	ug/L 98

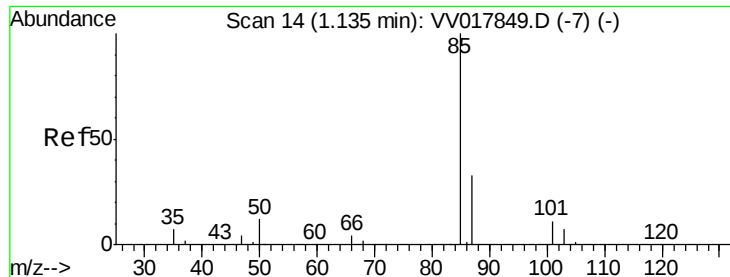
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	51256	50.286	ug/L	97
25) Chloroform	4.40	83	169694	50.602	ug/L	97
27) 1,2-Dichloroethane	5.15	62	153056	50.555	ug/L	97
29) Cyclohexane	4.70	56	102254	50.544	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	176355	49.617	ug/L	98
31) Carbon tetrachloride	4.85	117	160385	50.551	ug/L	97
33) Benzene	5.13	78	302109	50.306	ug/L	100
34) Trichloroethene	5.94	95	91185	50.261	ug/L	98
35) Methylcyclohexane	6.15	83	125723	48.661	ug/L	98
37) 1,2-Dichloropropane	6.20	63	67550	51.434	ug/L	99
38) Bromodichloromethane	6.53	83	125071	52.443	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	124706	55.213	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	180396	105.288	ug/L	99
42) Toluene	7.41	91	348910	49.849	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	132935	56.002	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	83622	50.600	ug/L	97
46) Tetrachloroethene	8.00	164	86379	50.515	ug/L	98
48) 2-Hexanone	8.16	43	146973	102.459	ug/L	99
49) Dibromochloromethane	8.27	129	98903	53.771	ug/L	99
50) 1,2-Dibromoethane	8.37	107	92047	50.533	ug/L	98
51) Chlorobenzene	8.90	112	243767	50.061	ug/L	99
52) Ethylbenzene	9.03	91	406784	50.580	ug/L	99
53) m,p-Xylene	9.16	106	159044	50.876	ug/L	93
54) o-xylene	9.56	106	155574	50.673	ug/L	99
55) Styrene	9.58	104	271290	51.531	ug/L	99
56) Isopropylbenzene	9.95	105	427978	50.436	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	113052	50.790	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	103664	51.259	ug/L	97
61) Bromoform	9.75	173	64440	52.341	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	221439	50.558	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	223890	50.327	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	222380	49.903	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	30722	52.672	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	181661	51.030	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	166378	53.362	ug/L	98
69) Naphthalene	13.52	128	435866	54.744	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	165742	52.663	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.386 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

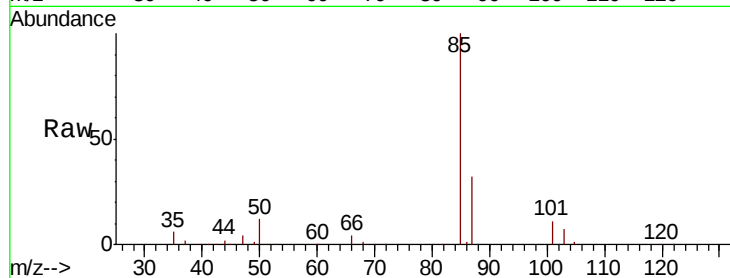
VICV61

Tot Ion: 85 Resp: 105223

Ion Ratio Lower Upper

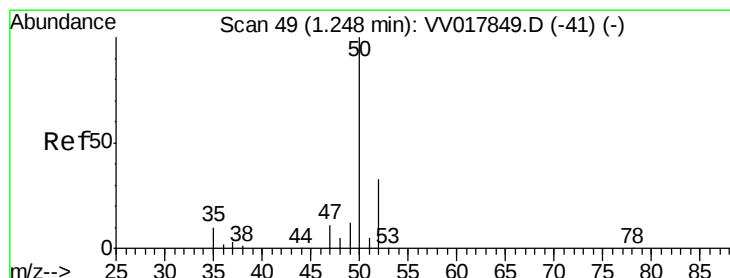
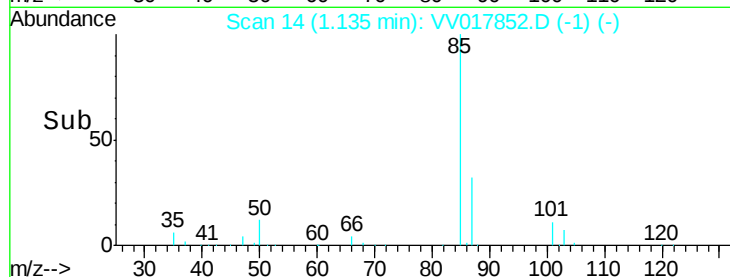
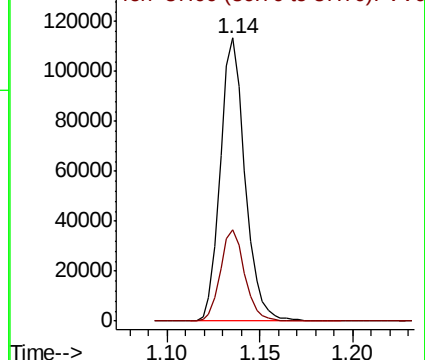
85 100

87 31.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 49.772 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017852.D

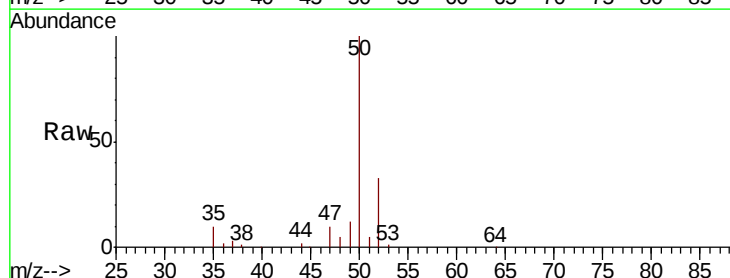
Acq: 08 Aug 2020 13:50

Tgt Ion: 50 Resp: 65759

Ion Ratio Lower Upper

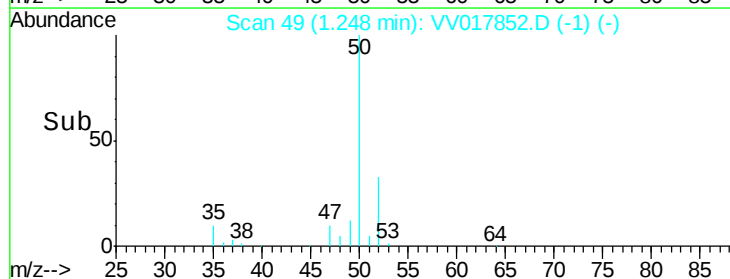
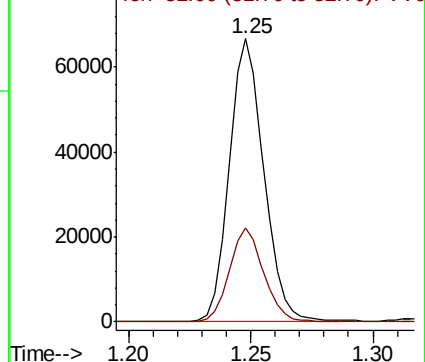
50 100

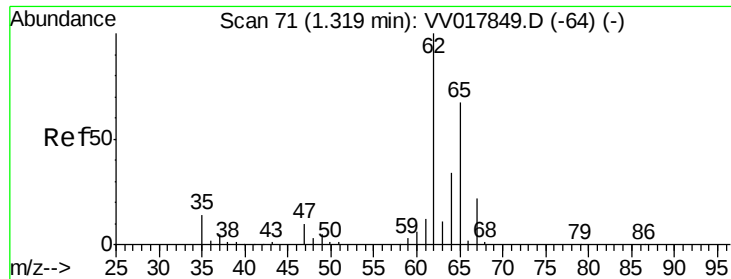
52 33.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.329 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampled :

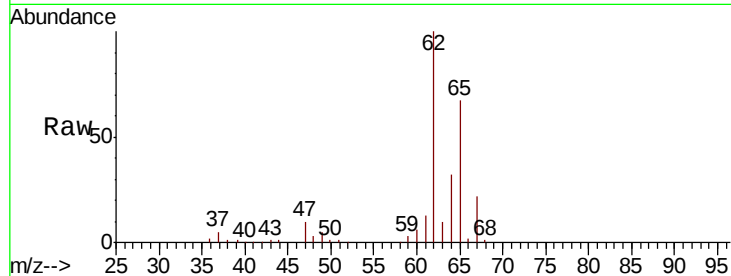
VICV61

Tot Ion: 62 Resp: 75705

Ion Ratio Lower Upper

62 100

64 32.1 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

80000

60000

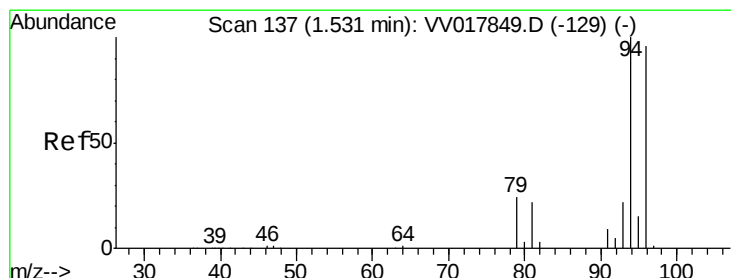
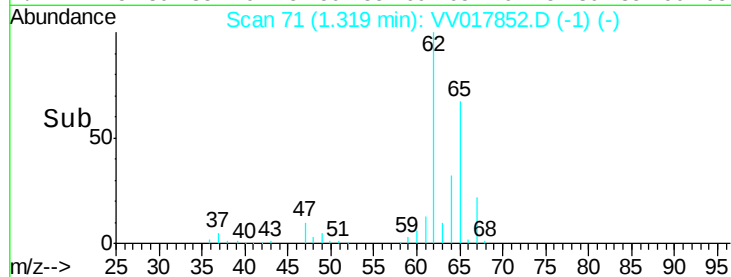
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 52.303 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017852.D

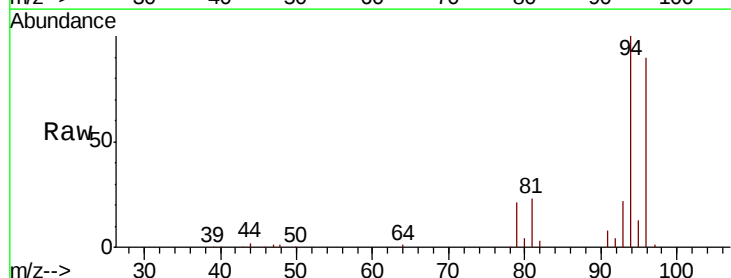
Acq: 08 Aug 2020 13:50

Tgt Ion: 94 Resp: 54600

Ion Ratio Lower Upper

94 100

96 89.7 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

50000

40000

30000

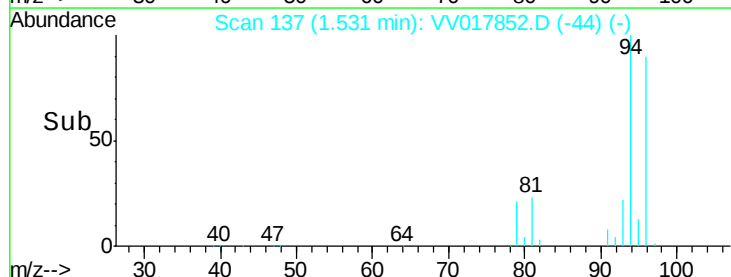
20000

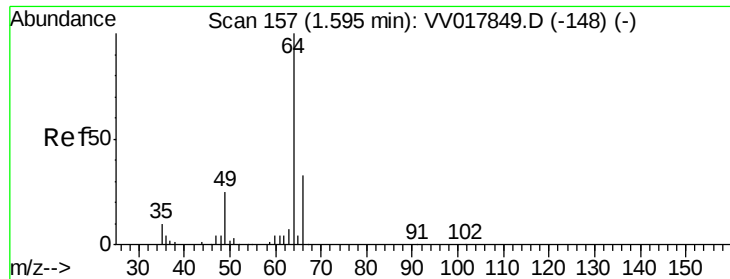
10000

0

1.50 1.55

Time-->

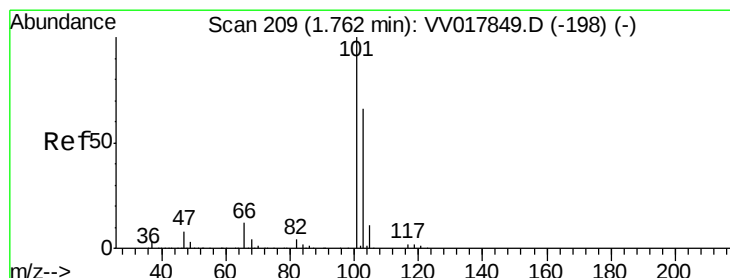
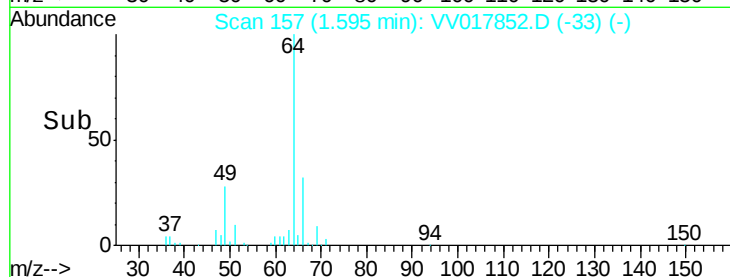
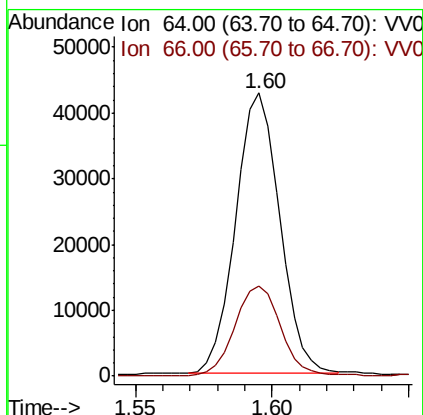
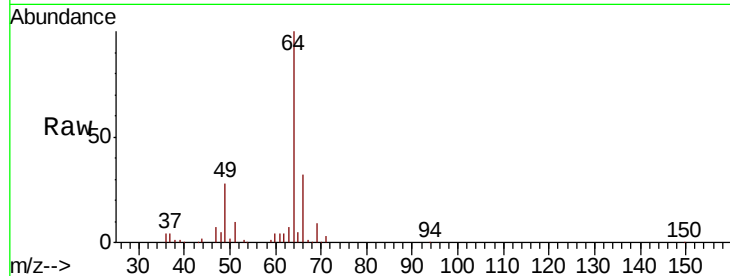




#8
Chloroethane
Concen: 49.532 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

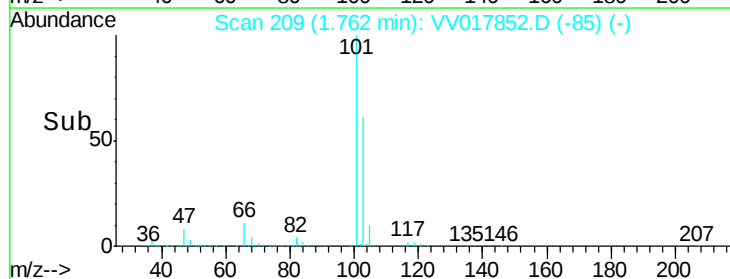
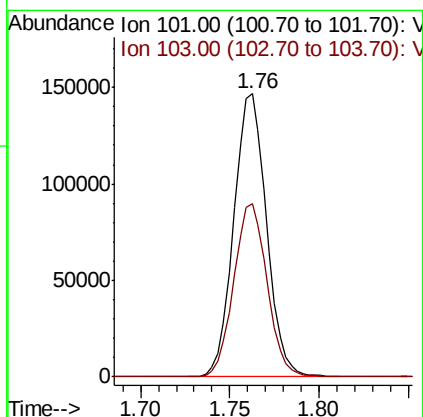
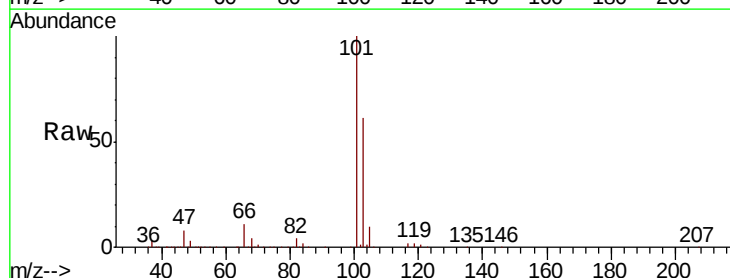
Instrument :
MSVOA_V
ClientSampleId :
VICV61

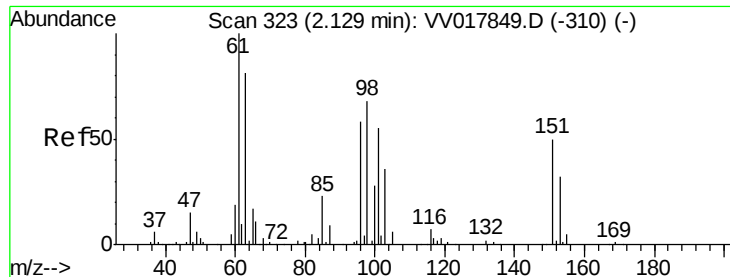
Tot Ion: 64 Resp: 47975
Ion Ratio Lower Upper
64 100
66 32.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 49.714 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

Tgt Ion:101 Resp: 187772
Ion Ratio Lower Upper
101 100
103 62.3 53.2 79.8





#10

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

Concen: 49.025 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

VICV61

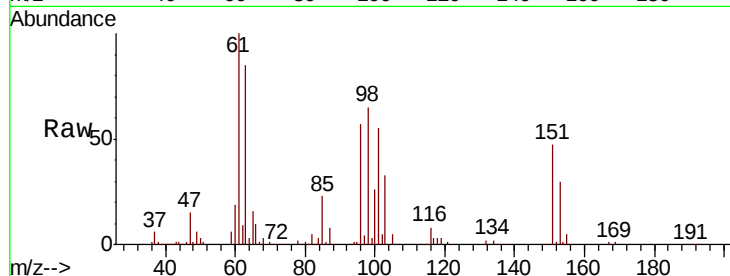
Tot Ion:101 Resp: 82269

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.6

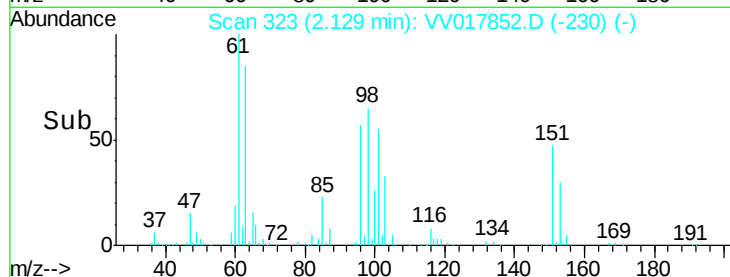
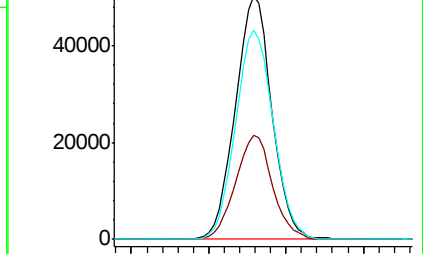
151 89.0 71.0 106.6



Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017849.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017849.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 48.865 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

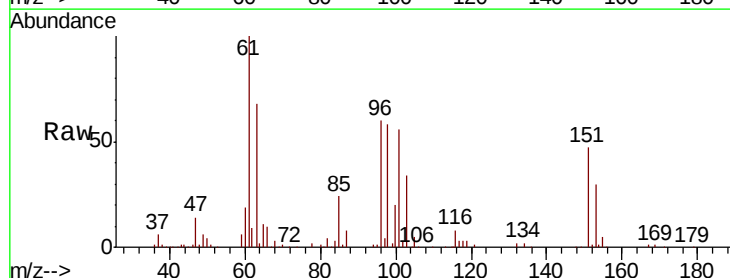
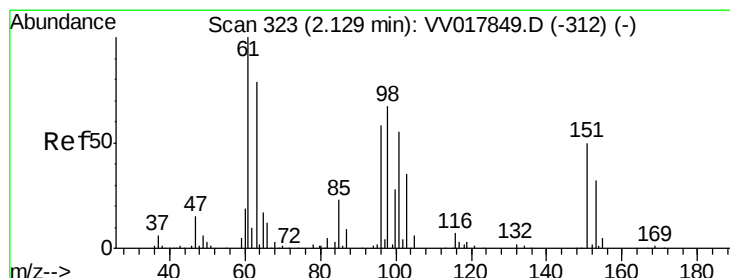
Tgt Ion: 96 Resp: 75614

Ion Ratio Lower Upper

96 100

61 166.9 121.1 224.9

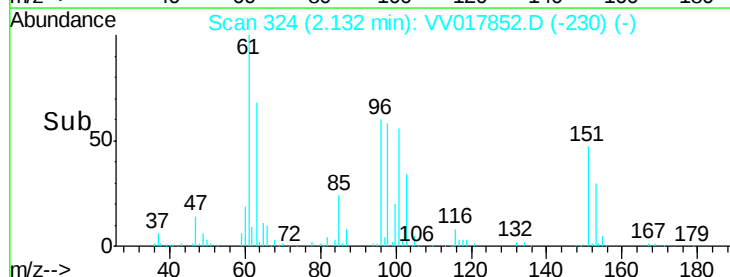
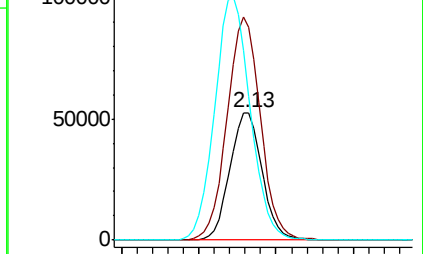
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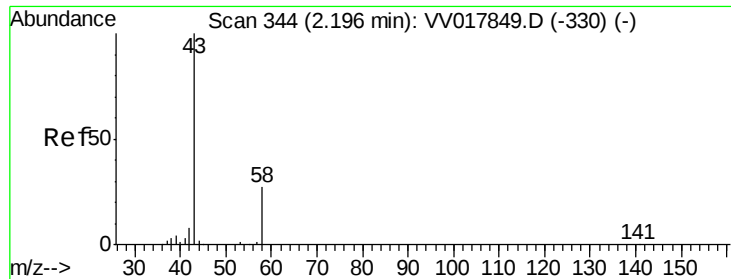


Abundance Ion 96.00 (95.70 to 96.70): VV017852.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017852.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017852.D (-230) (-)





#13

Acetone

Concen: 88.567 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

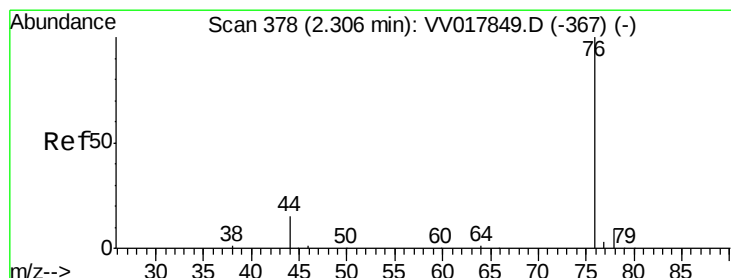
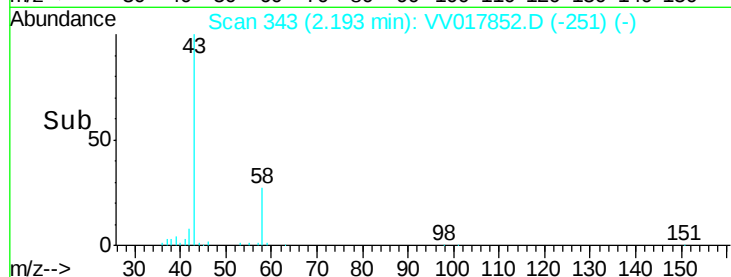
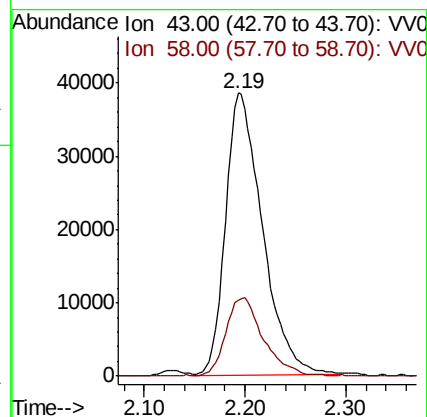
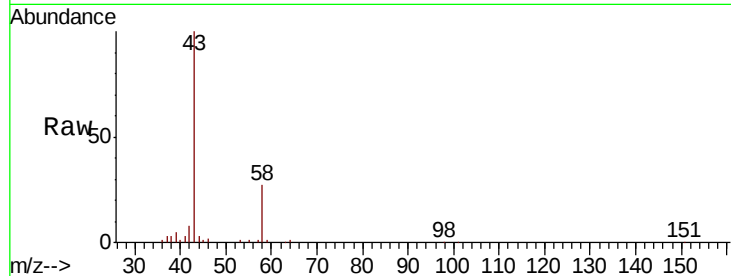
VICV61

Tot Ion: 43 Resp: 97897

Ion Ratio Lower Upper

43 100

58 28.4 0.0 54.8



#14

Carbon disulfide

Concen: 53.594 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017852.D

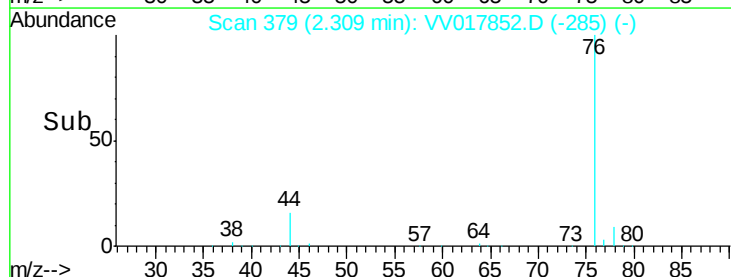
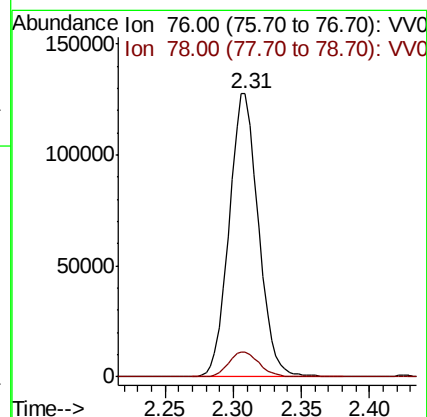
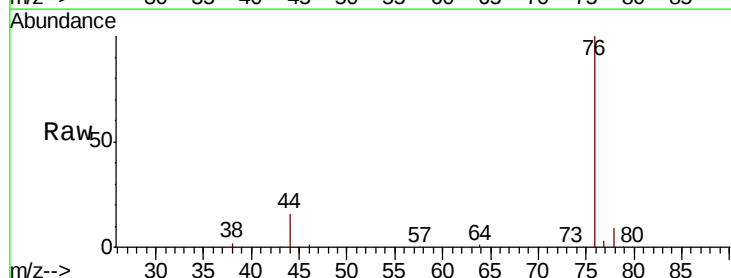
Acq: 08 Aug 2020 13:50

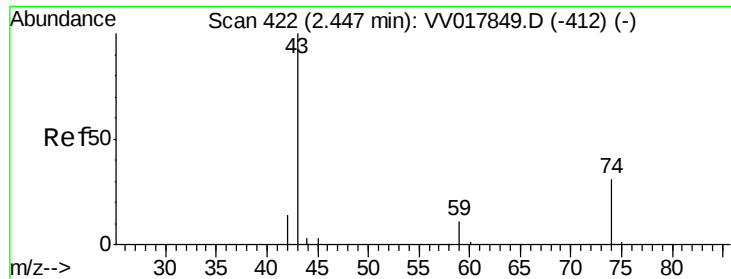
Tgt Ion: 76 Resp: 191142

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

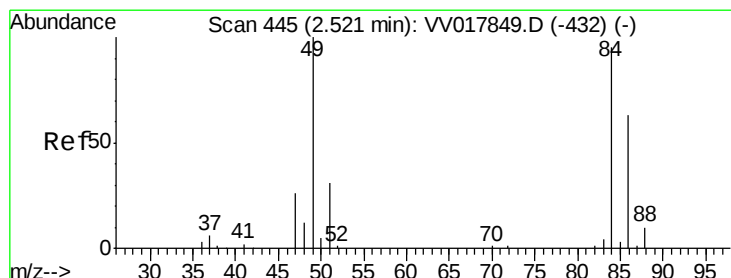
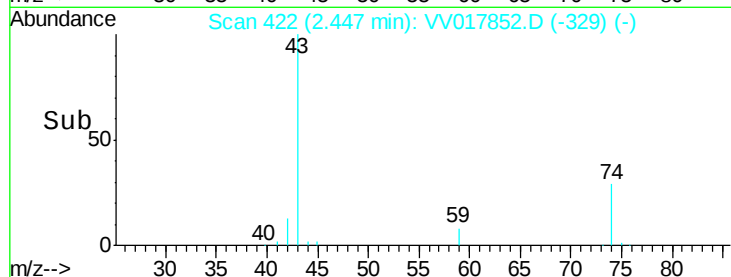
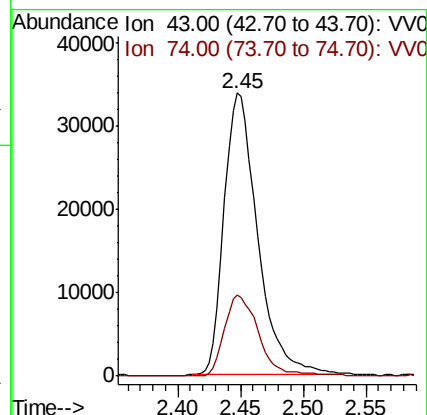
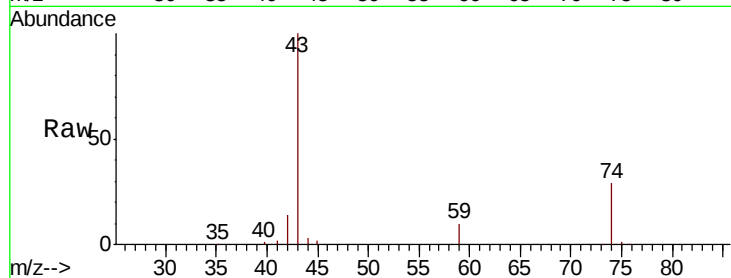




#15
Methvl Acetate
Concen: 51.634 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

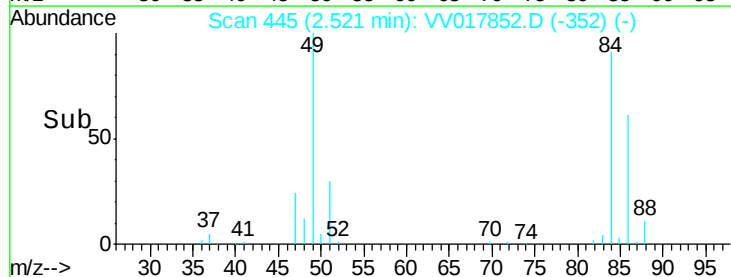
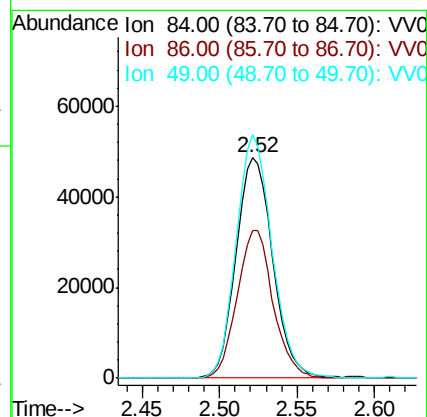
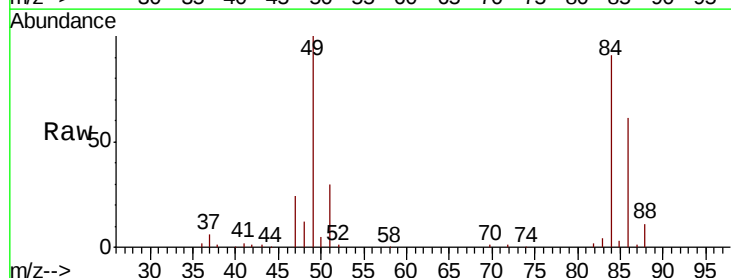
Instrument :
MSVOA_V
ClientSampleId :
VICV61

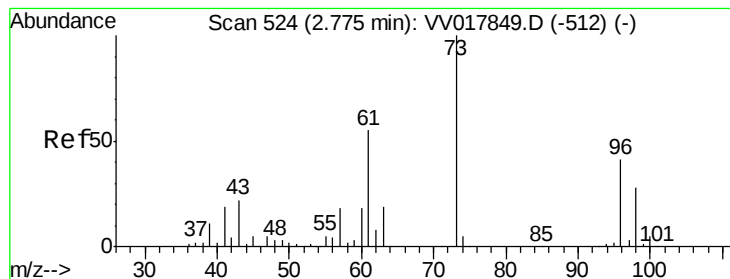
Tot Ion: 43 Resp: 62946
Ion Ratio Lower Upper
43 100
74 28.4 23.0 34.6



#16
Methylene chloride
Concen: 49.294 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

Tgt Ion: 84 Resp: 80205
Ion Ratio Lower Upper
84 100
86 67.0 46.2 85.8
49 110.4 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 49.505 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

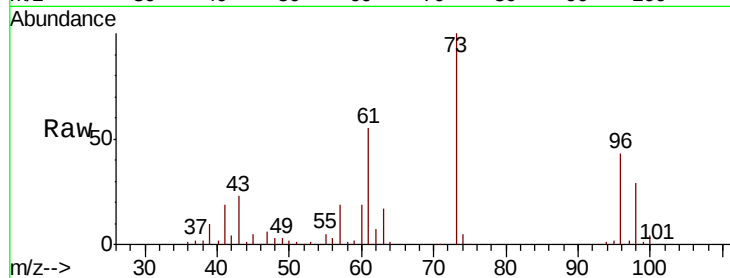
MSVOA_V

ClientSampled :

VICV61

Tot Ion: 96 Resp: 78187

Ion	Ratio	Lower	Upper
96	100		
61	127.1	92.4	171.6
98	67.0	47.5	88.1

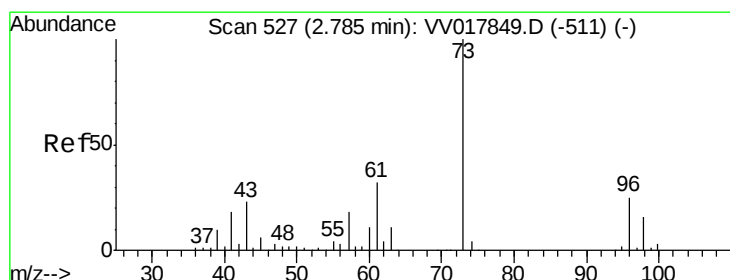
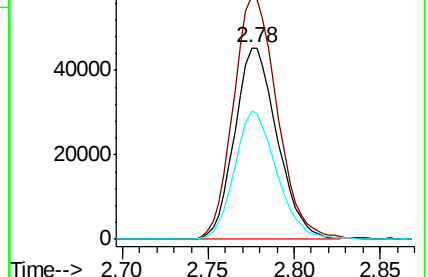
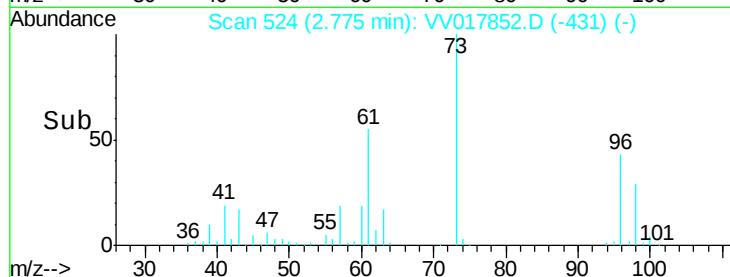


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.764 ug/L

RT: 2.78 min Scan# 527

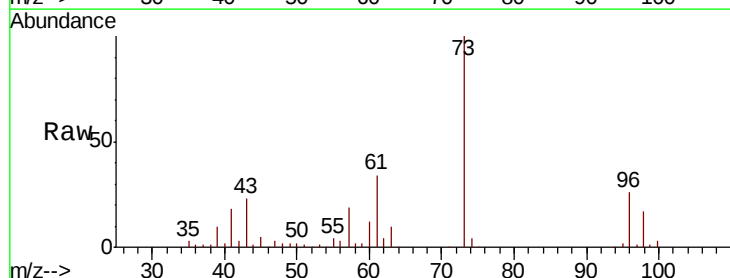
Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Tgt Ion: 73 Resp: 281466

Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.1	27.1
57	18.3	14.5	21.7

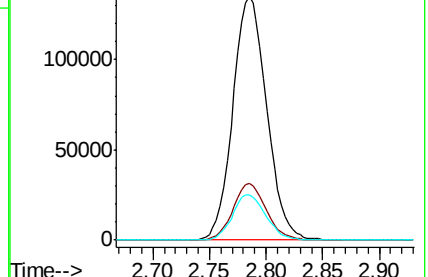
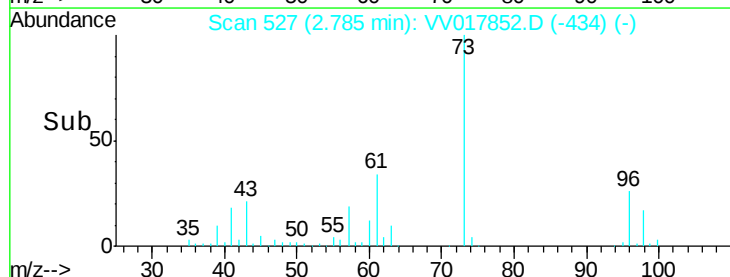


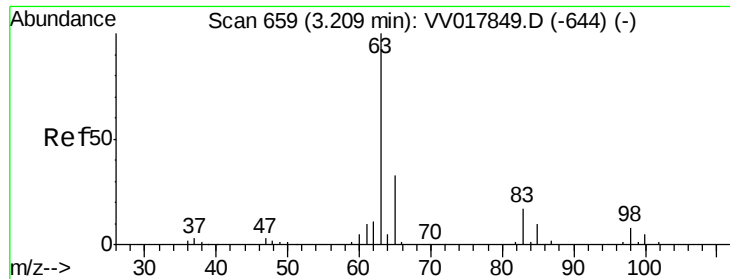
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

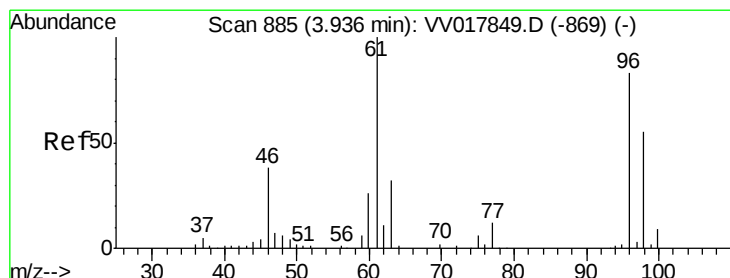
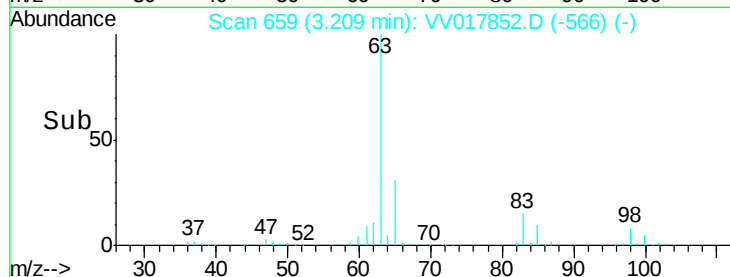
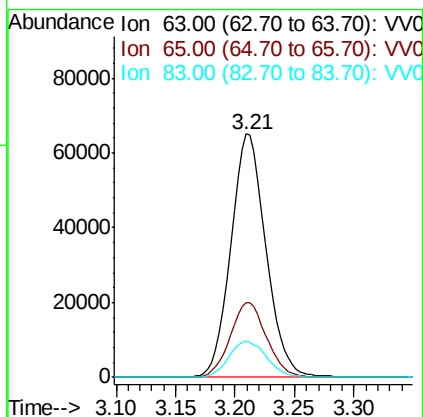
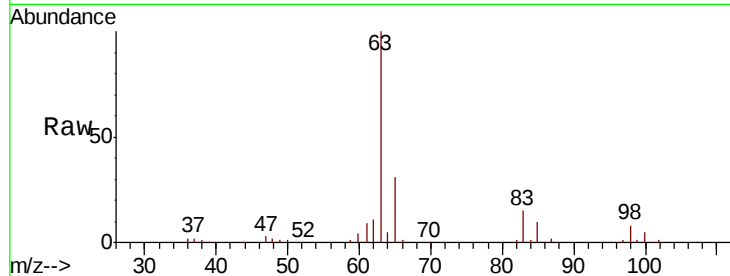




#19
 1,1-Dichloroethane
 Concen: 51.055 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

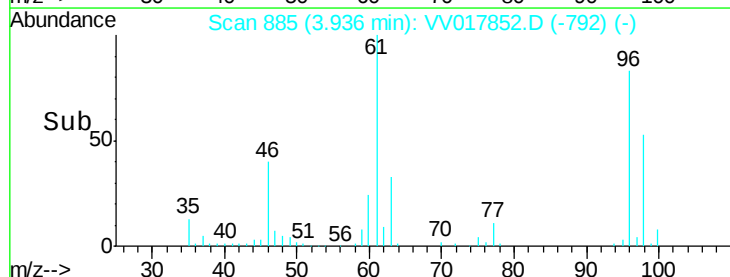
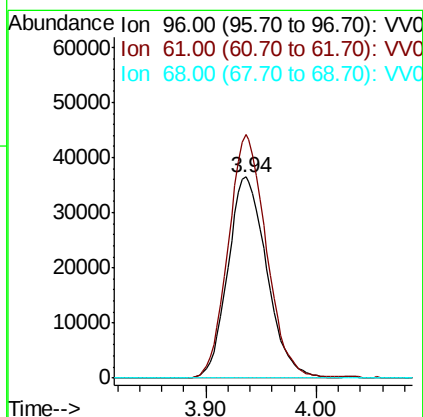
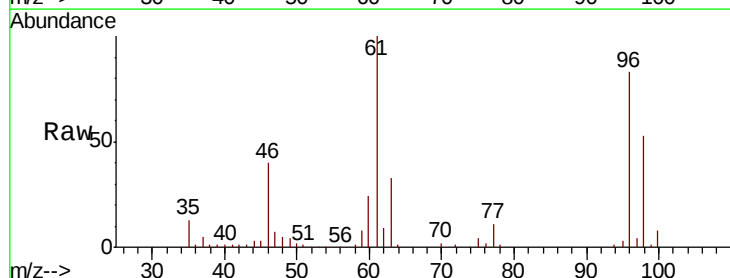
Instrument :
 MSVOA_V
 ClientSampled :
 VICV61

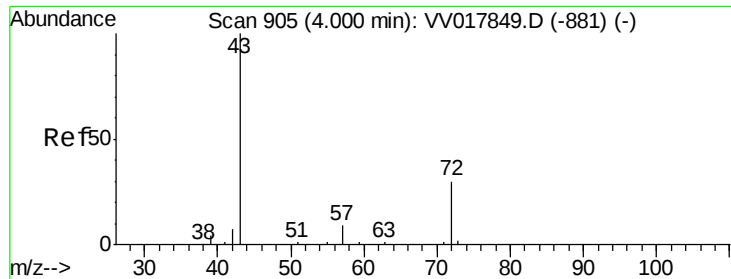
Tot Ion: 63 Resp: 133077
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.4 43.6
 83 14.7 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 52.285 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Tgt Ion: 96 Resp: 89187
 Ion Ratio Lower Upper
 96 100
 61 121.1 84.4 156.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.443 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

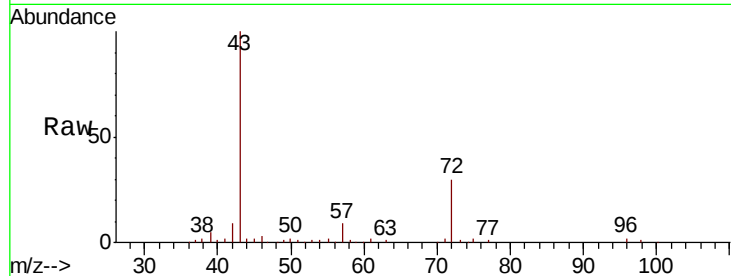
VICV61

Tot Ion: 43 Resp: 93504

Ion Ratio Lower Upper

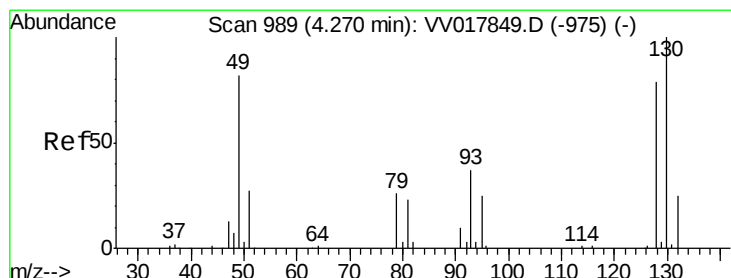
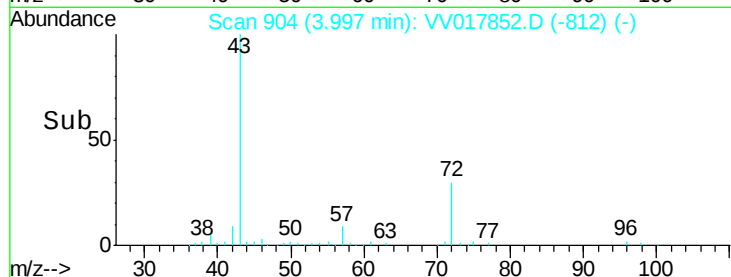
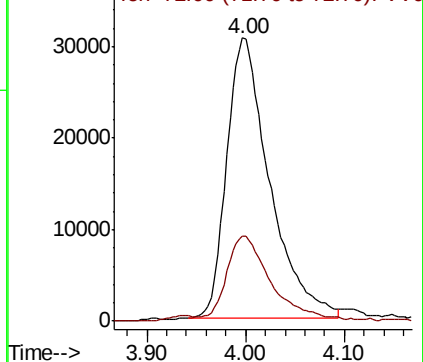
43 100

72 28.6 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017849.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV017849.D (-881) (-)



#23

Bromochloromethane

Concen: 50.286 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Tgt Ion: 128 Resp: 51256

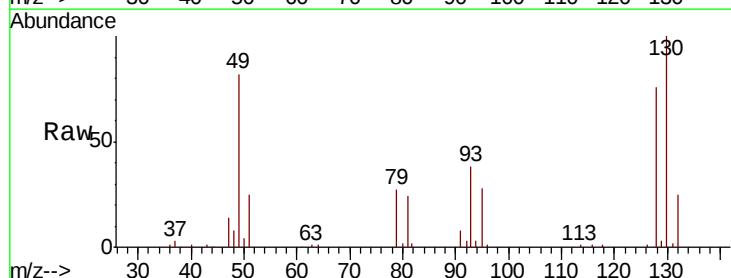
Ion Ratio Lower Upper

128 100

49 108.2 73.7 136.9

130 131.3 89.3 165.9

51 33.2 27.2 40.8

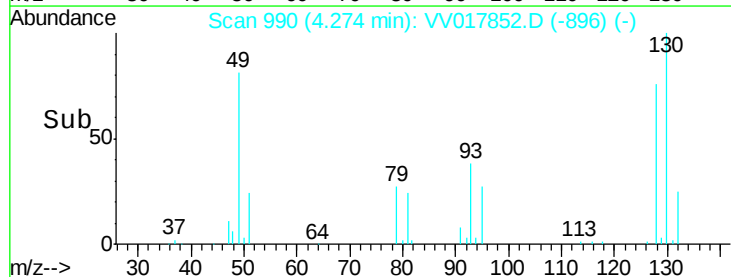
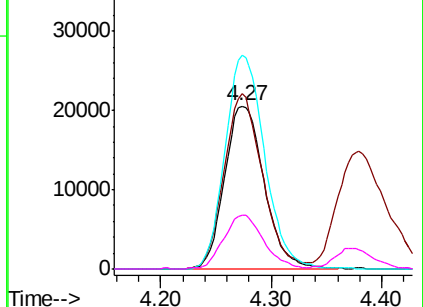


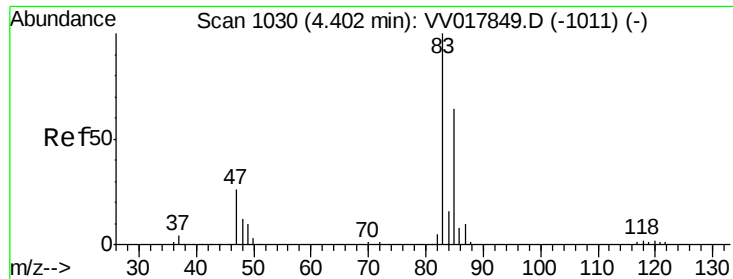
Abundance Ion 128.00 (127.70 to 128.70): VV017849.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017849.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017849.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017849.D (-975) (-)

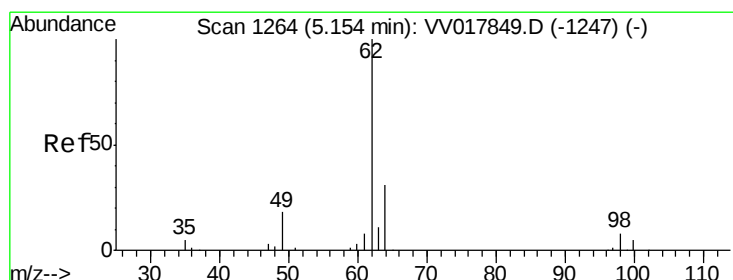
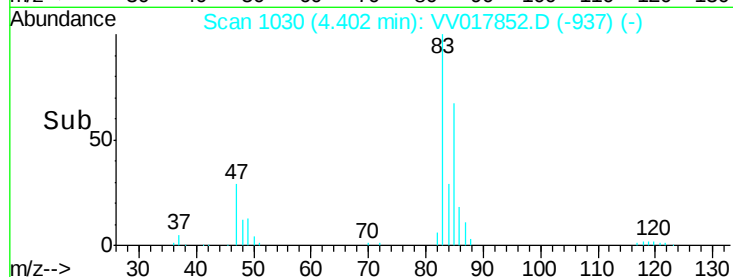
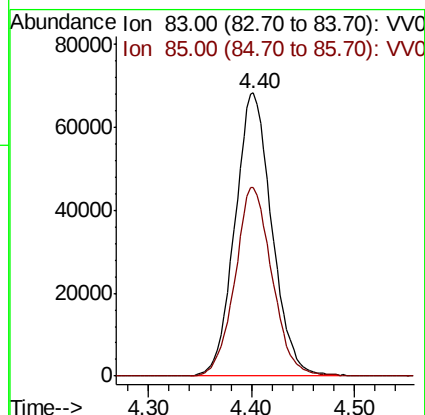
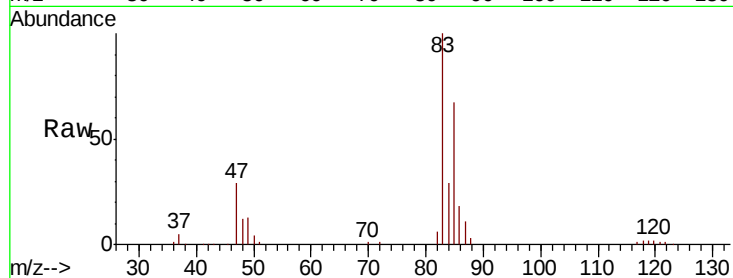




#25
Chloroform
Concen: 50.602 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

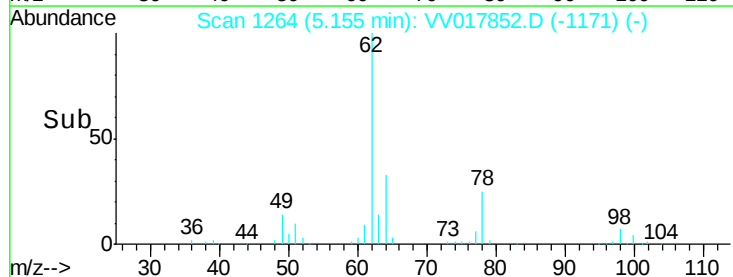
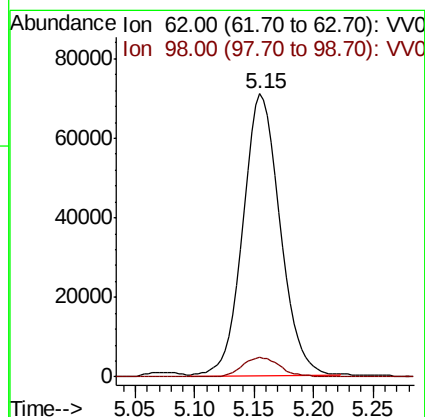
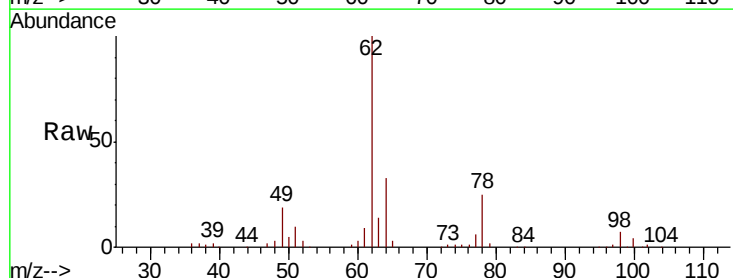
Instrument :
MSVOA_V
ClientSampleId :
VICV61

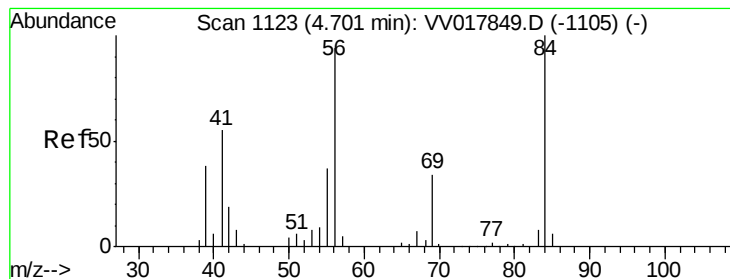
Tot Ion: 83 Resp: 169694
Ion Ratio Lower Upper
83 100
85 66.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 50.555 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

Tgt Ion: 62 Resp: 153056
Ion Ratio Lower Upper
62 100
98 6.8 6.2 9.4





#29

Cyclohexane

Concen: 50.544 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampled :

VICV61

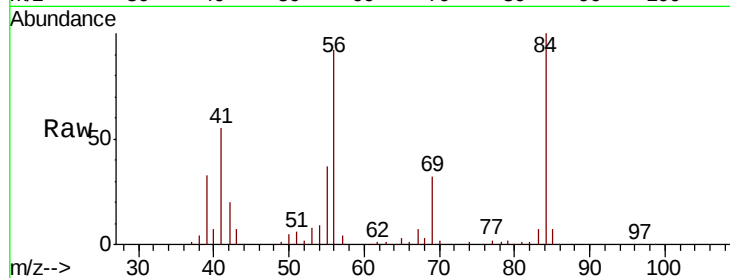
Tot Ion: 56 Resp: 102254

Ion Ratio Lower Upper

56 100

69 35.0 29.6 44.4

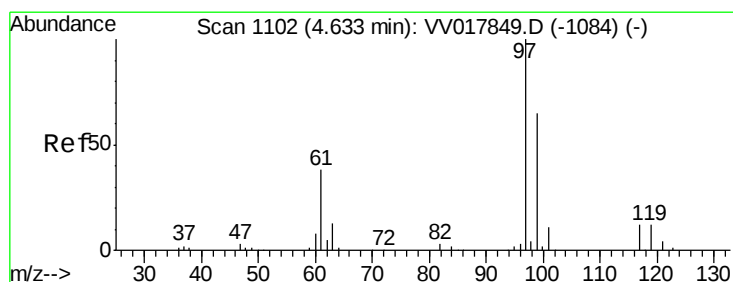
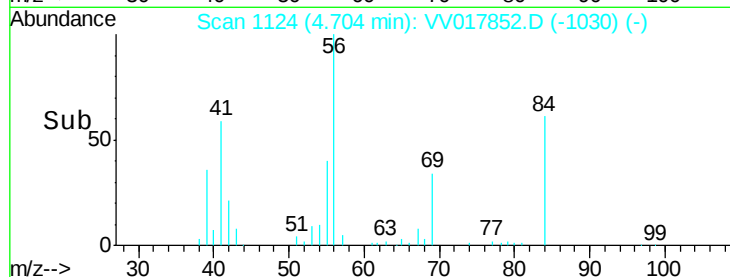
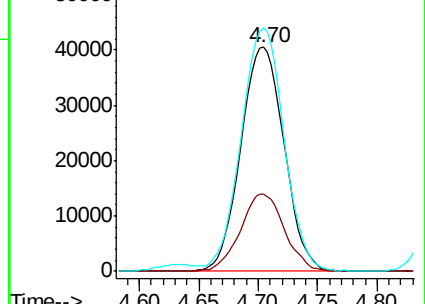
84 107.8 88.5 132.7



Abundance Ion 56.00 (55.70 to 56.70): VV017849.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV017849.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV017849.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 49.617 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

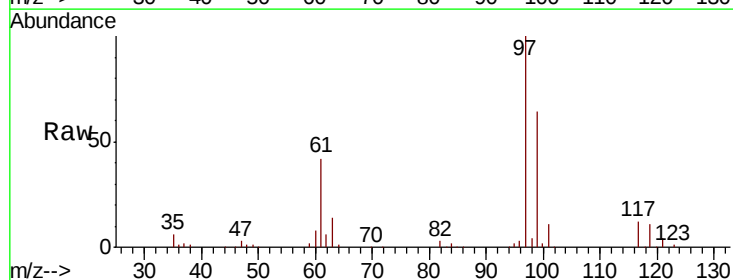
Tgt Ion: 97 Resp: 176355

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.6

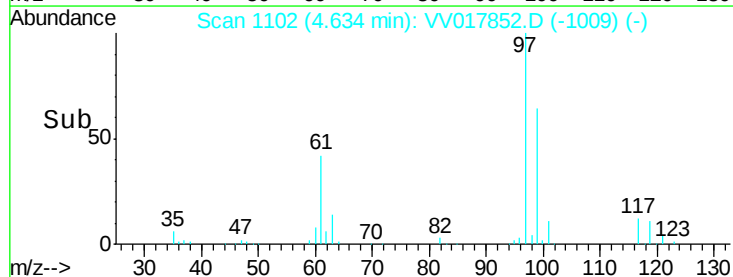
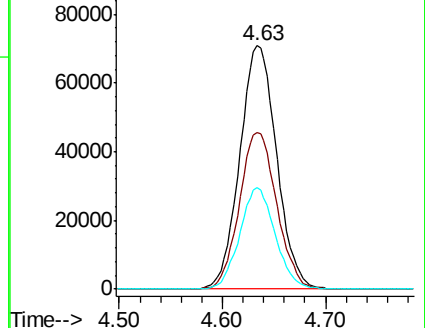
61 40.3 31.5 47.3

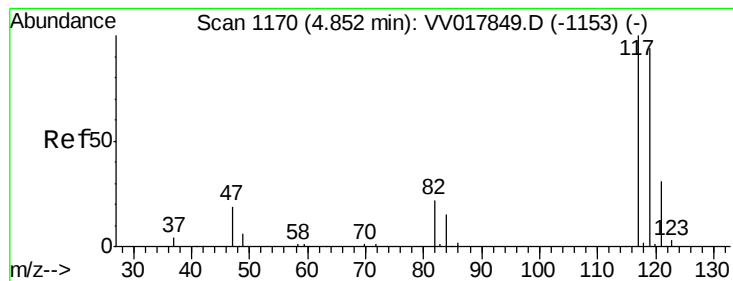


Abundance Ion 97.00 (96.70 to 97.70): VV017849.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV017849.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV017849.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 50.551 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

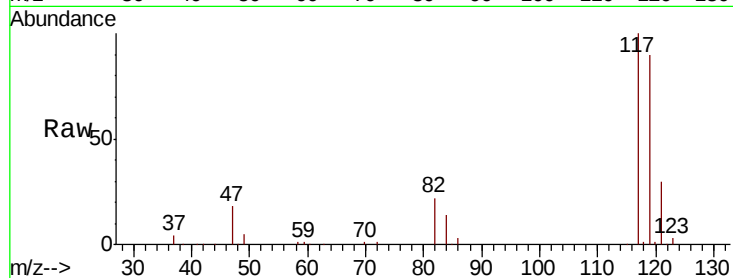
VICV61

Tot Ion:117 Resp: 160385

Ion Ratio Lower Upper

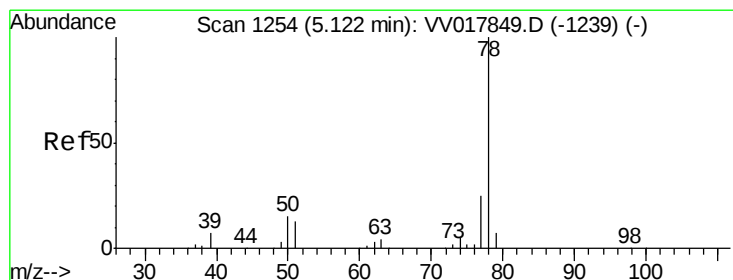
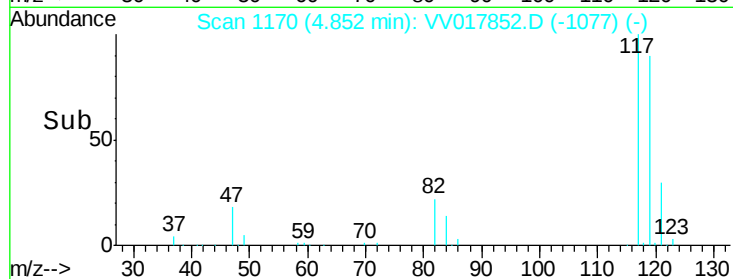
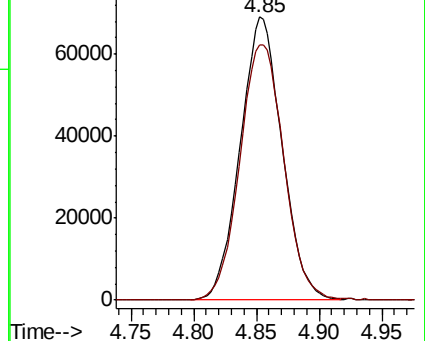
117 100

119 94.4 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.306 ug/L

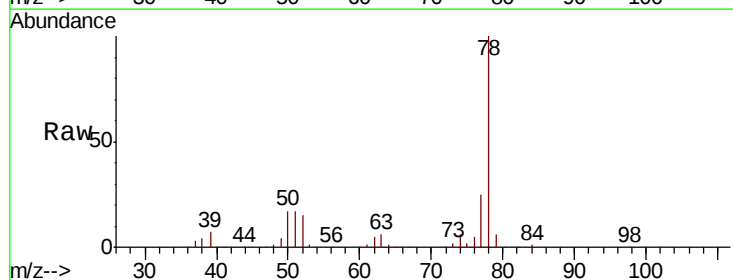
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

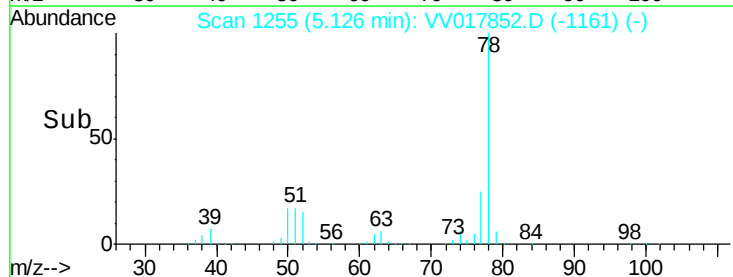
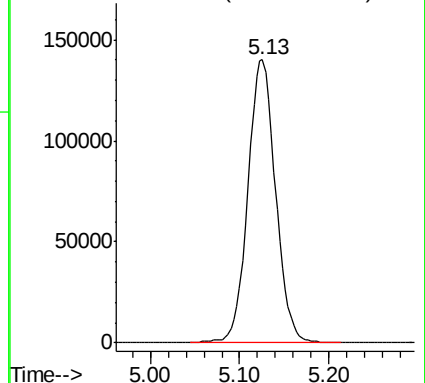
Lab File: VV017852.D

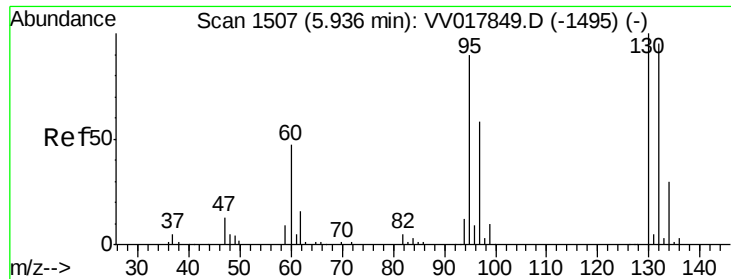
Acq: 08 Aug 2020 13:50

Tgt Ion: 78 Resp: 302109



Abundance Ion 78.00 (77.70 to 78.70): VV0

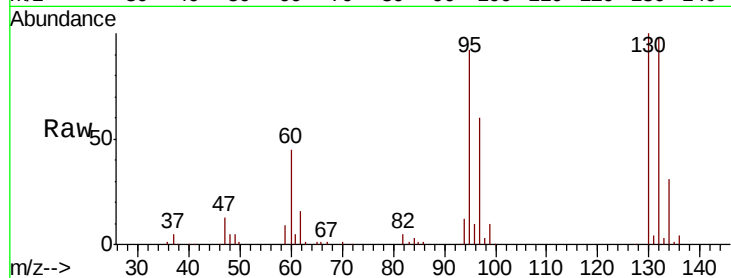




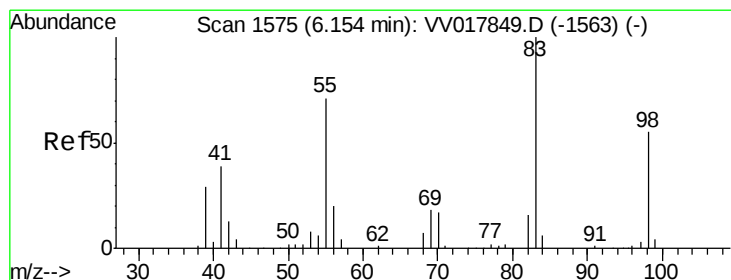
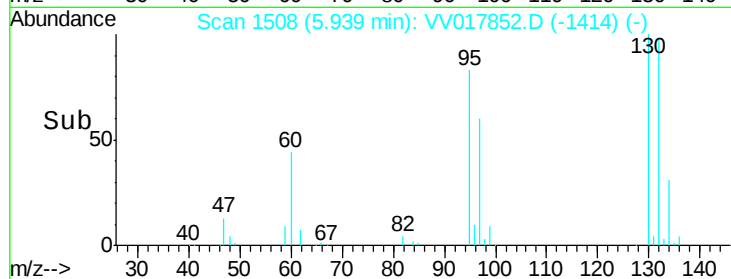
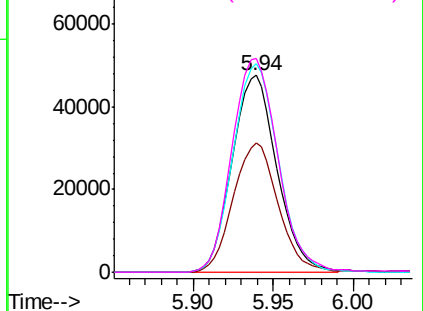
#34
 Trichloroethene
 Concen: 50.261 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Tot Ion:	95	Resp:	91185
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.7	83.1
132	106.4	73.6	136.8
130	108.7	77.6	144.0

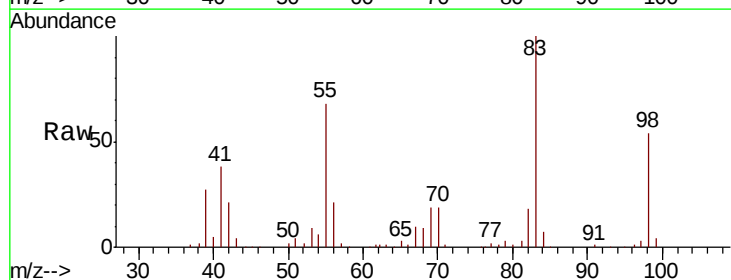


Abundance Ion 95.00 (94.70 to 95.70): VV017852.D (-1414) (-)
 Ion 97.00 (96.70 to 97.70): VV017852.D (-1414) (-)
 Ion 132.00 (131.70 to 132.70): VV017852.D (-1414) (-)
 Ion 130.00 (129.70 to 130.70): VV017852.D (-1414) (-)

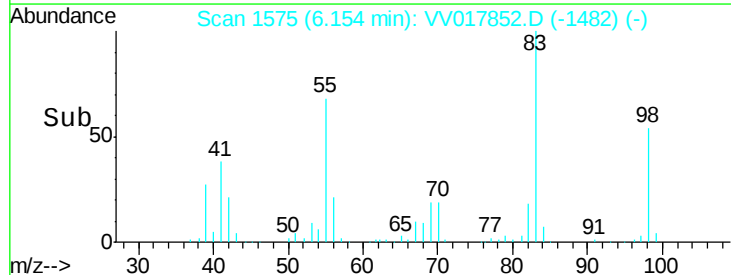
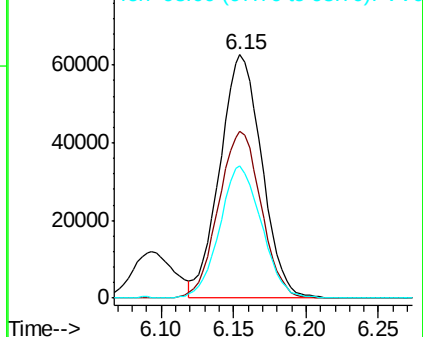


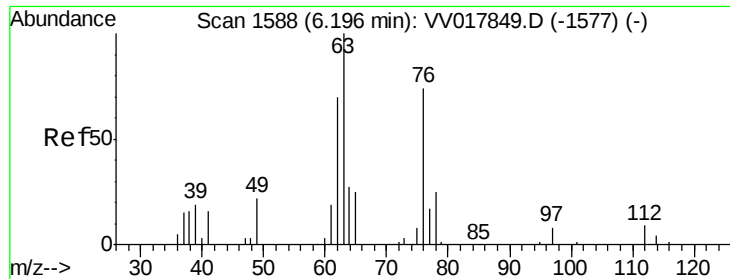
#35
 Methylcyclohexane
 Concen: 48.661 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Tgt Ion:	83	Resp:	125723
Ion	Ratio	Lower	Upper
83	100		
55	69.4	54.6	82.0
98	53.7	41.1	61.7



Abundance Ion 83.00 (82.70 to 83.70): VV017852.D (-1482) (-)
 Ion 55.00 (54.70 to 55.70): VV017852.D (-1482) (-)
 Ion 98.00 (97.70 to 98.70): VV017852.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 51.434 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

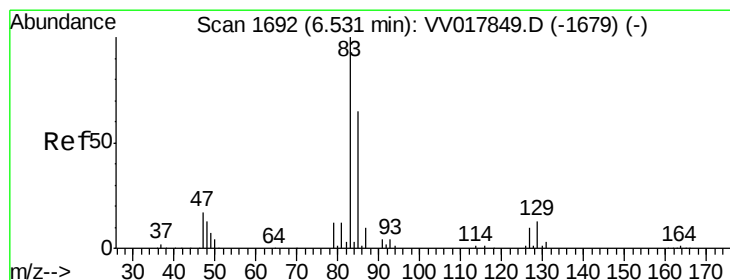
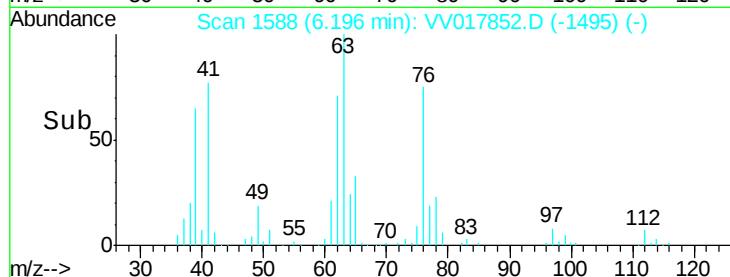
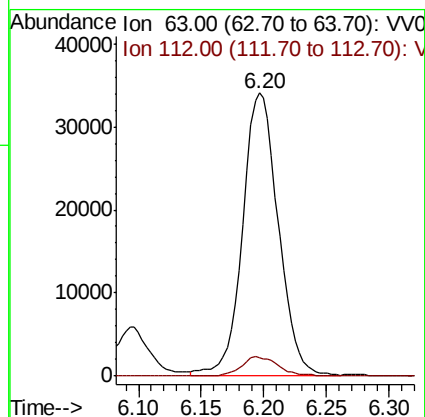
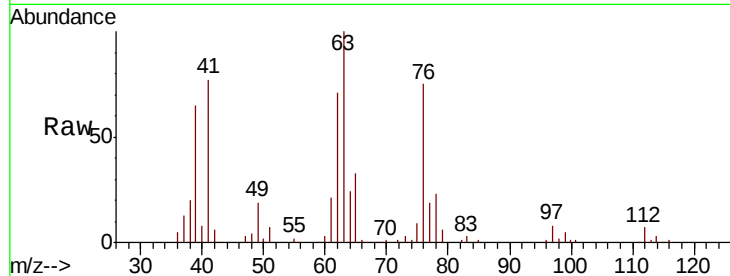
VICV61

Tot Ion: 63 Resp: 67550

Ion Ratio Lower Upper

63 100

112 6.9 5.8 8.6



#38

Bromodichloromethane

Concen: 52.443 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

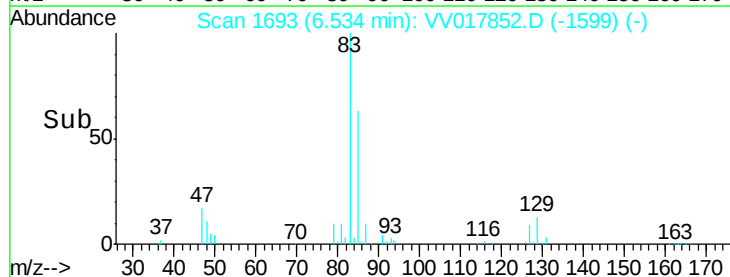
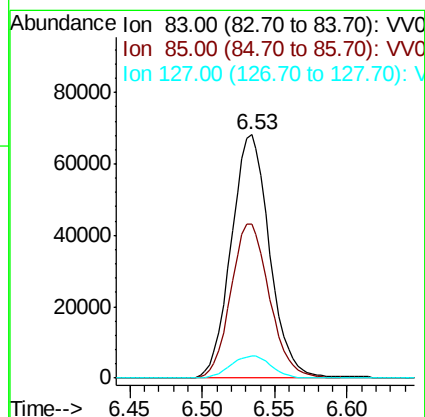
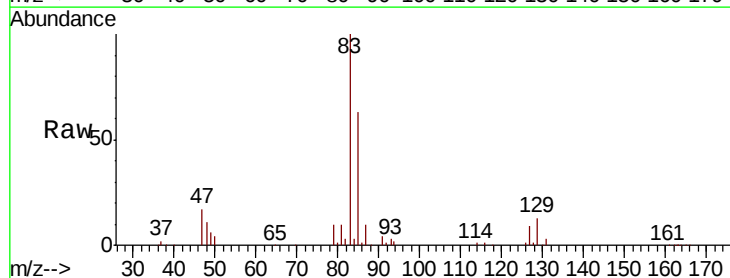
Tgt Ion: 83 Resp: 125071

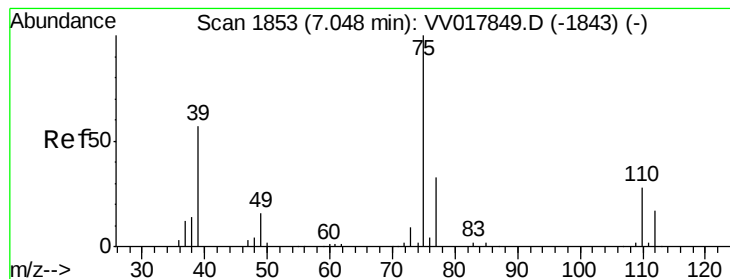
Ion Ratio Lower Upper

83 100

85 63.1 45.4 84.2

127 9.1 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 55.213 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

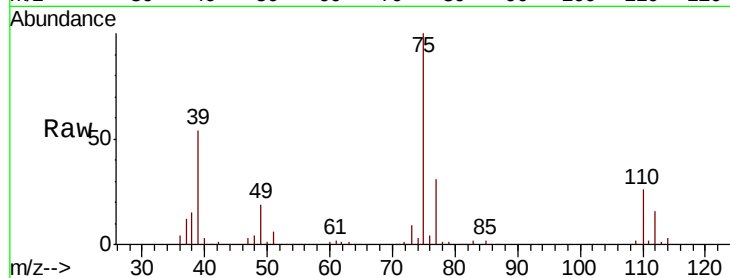
VICV61

Tot Ion: 75 Resp: 124706

Ion Ratio Lower Upper

75 100

77 31.0 23.7 44.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.05

80000

60000

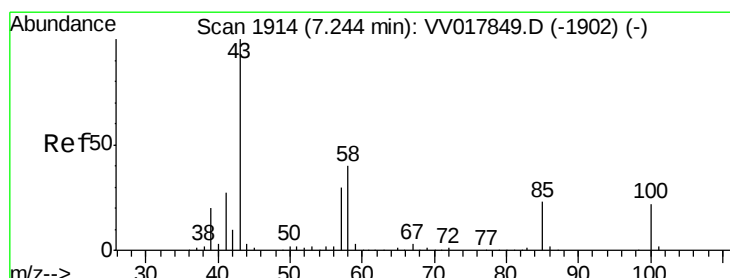
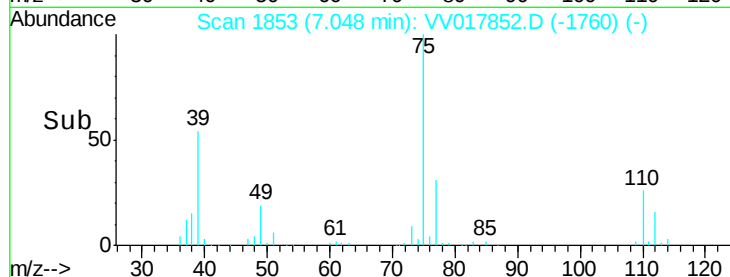
40000

20000

0

7.00 7.05 7.10 7.15

Time-->



#40

4-Methyl-2-pentanone

Concen: 105.288 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

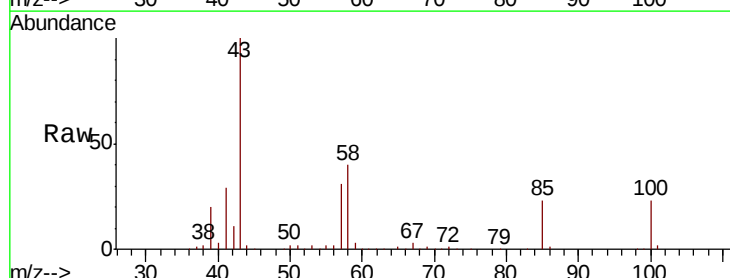
Tgt Ion: 43 Resp: 180396

Ion Ratio Lower Upper

43 100

58 41.0 32.3 48.5

100 22.2 17.4 26.0



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

7.25

150000

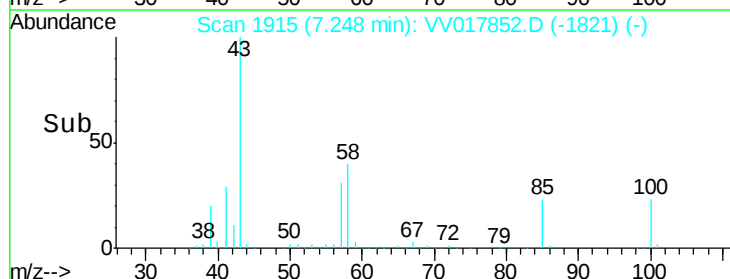
100000

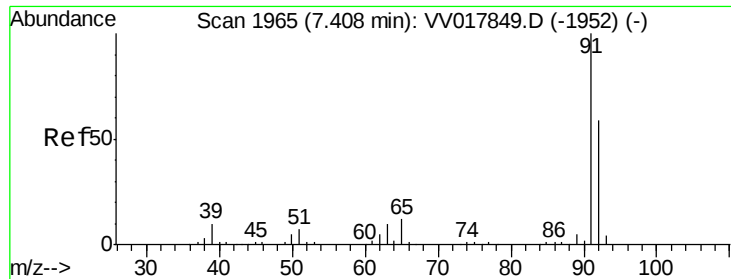
50000

0

7.20 7.25 7.30 7.35

Time-->





#42

Toluene

Concen: 49.849 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

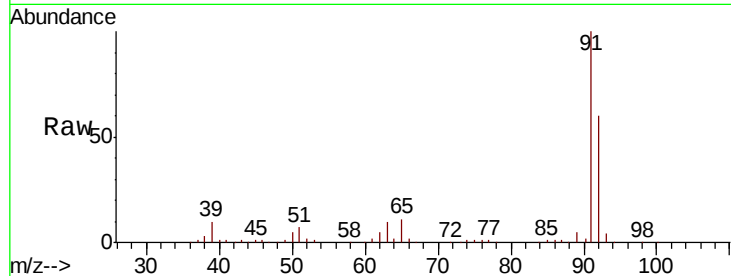
VICV61

Tot Ion: 91 Resp: 348910

Ion Ratio Lower Upper

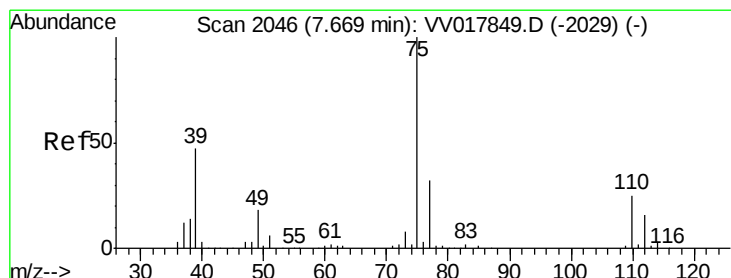
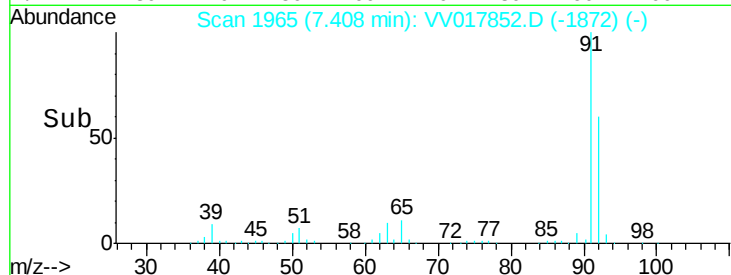
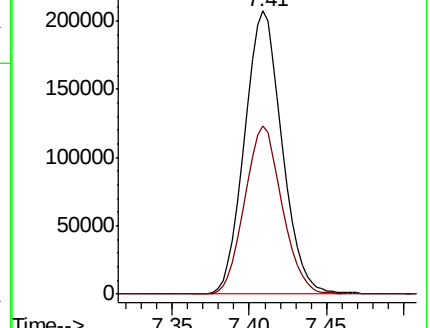
91 100

92 59.5 41.4 77.0



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: 56.002 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017852.D

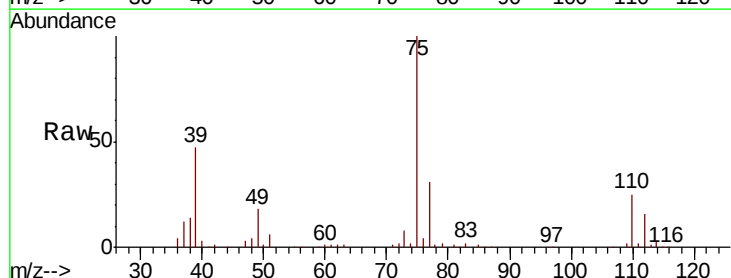
Acq: 08 Aug 2020 13:50

Tgt Ion: 75 Resp: 132935

Ion Ratio Lower Upper

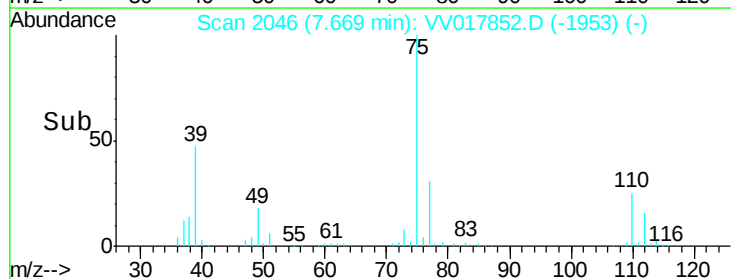
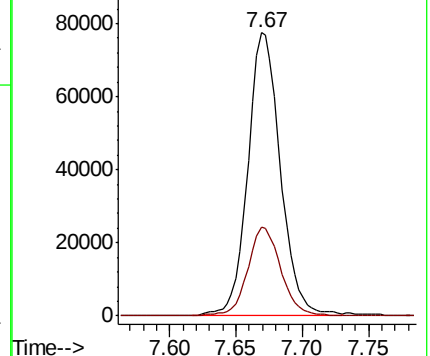
75 100

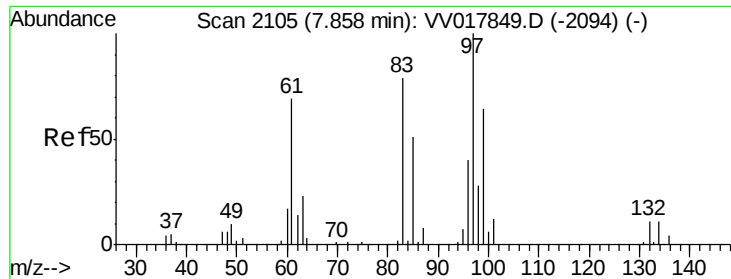
77 31.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

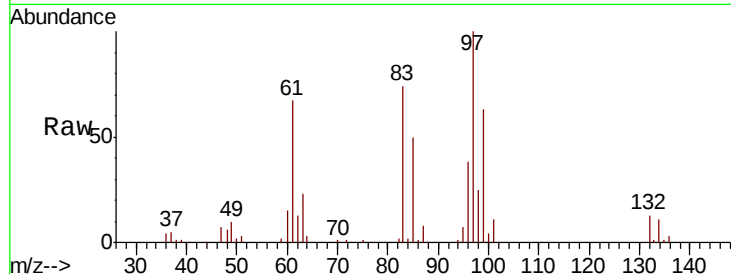




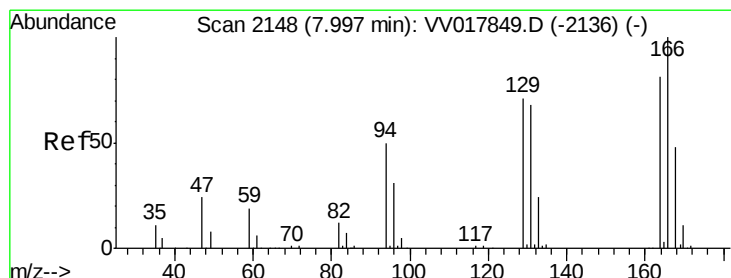
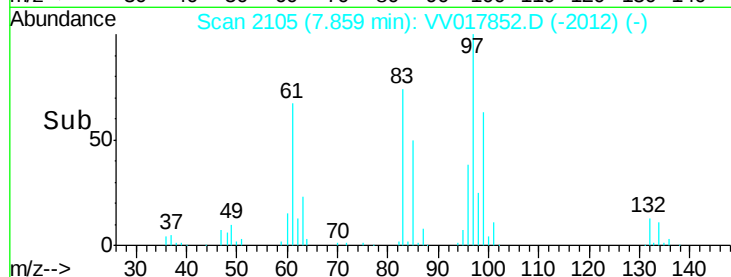
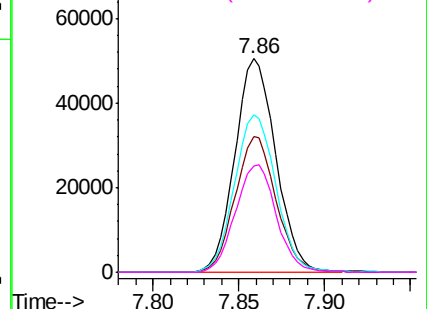
#45
 1,1,2-Trichloroethane
 Concen: 50.600 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Tot Ion:	97	Resp:	83622
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.7	82.9
83	73.6	55.7	103.5
85	49.9	35.4	65.8

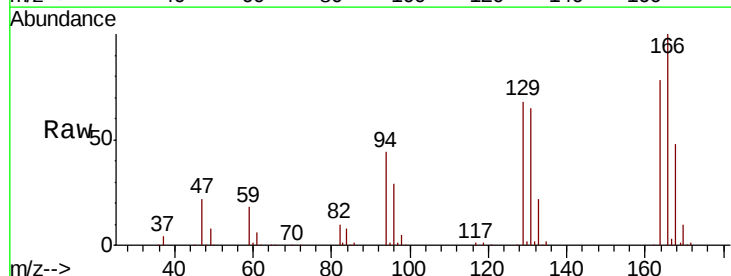


Abundance Ion 97.00 (96.70 to 97.70): VV017852.D (-2012) (-)
 Ion 99.00 (98.70 to 99.70): VV017852.D (-2012) (-)
 Ion 83.00 (82.70 to 83.70): VV017852.D (-2012) (-)
 Ion 85.00 (84.70 to 85.70): VV017852.D (-2012) (-)

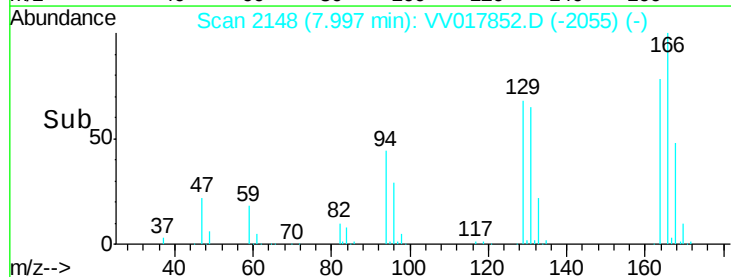
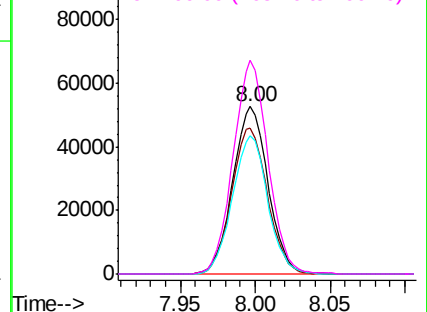


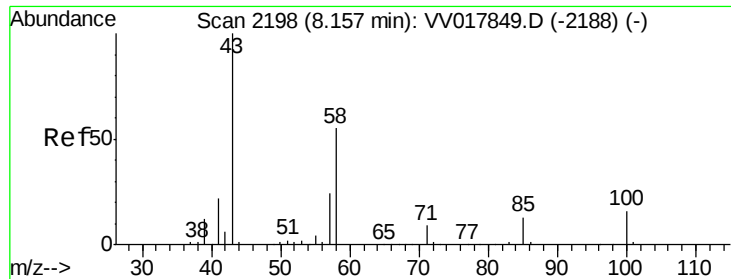
#46
 Tetrachloroethene
 Concen: 50.515 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Tgt Ion:	164	Resp:	86379
Ion	Ratio	Lower	Upper
164	100		
129	87.2	61.6	114.4
131	82.7	59.6	110.8
166	127.7	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): VV017852.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV017852.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV017852.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV017852.D (-2055) (-)

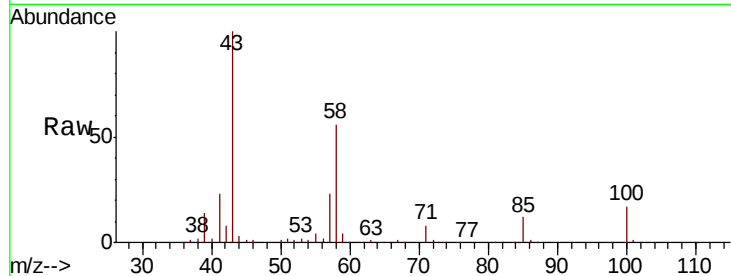




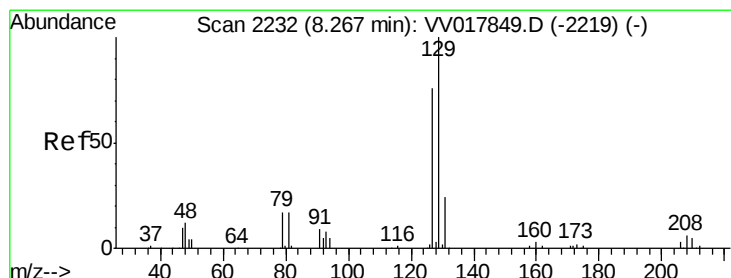
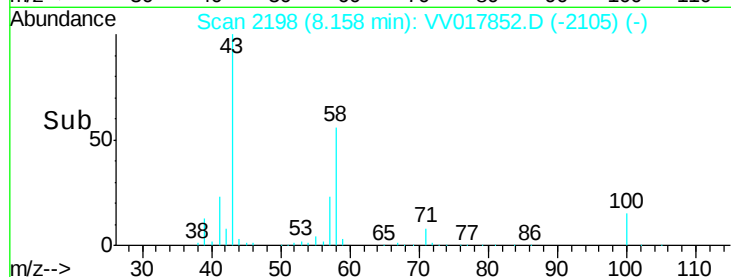
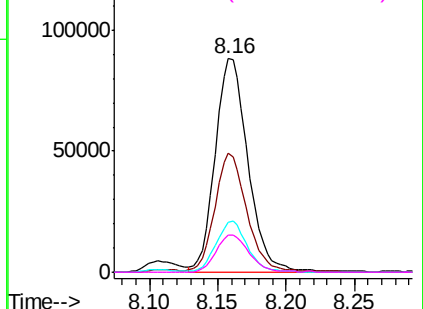
#48
2-Hexanone
Concen: 102.459 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

Instrument :
MSVOA_V
ClientSampleId :
VICV61

Tot Ion: 43 Resp: 146973
Ion Ratio Lower Upper
43 100
58 54.1 43.8 65.8
57 22.4 18.0 27.0
100 17.4 13.8 20.8

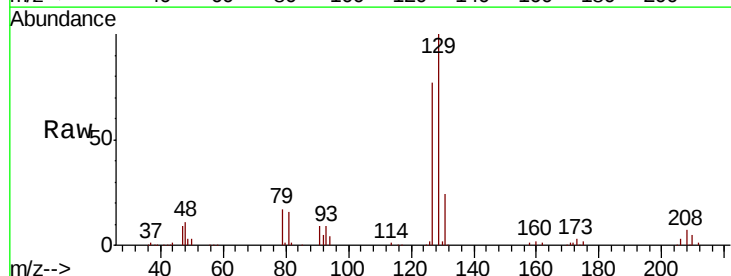


Abundance Ion 43.00 (42.70 to 43.70): VV017852.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017852.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017852.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017852.D (-2105) (-)

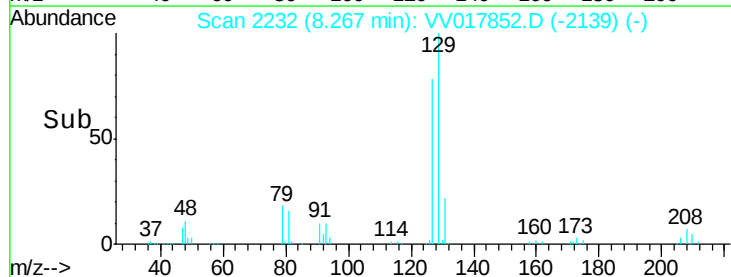
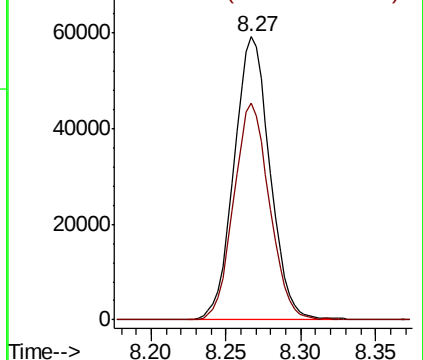


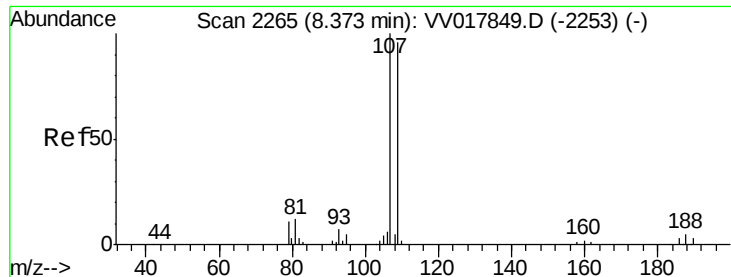
#49
Dibromochloromethane
Concen: 53.771 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

Tgt Ion: 129 Resp: 98903
Ion Ratio Lower Upper
129 100
127 76.6 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017852.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017852.D (-2139) (-)

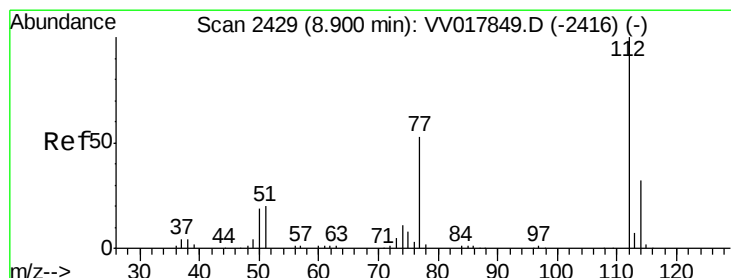
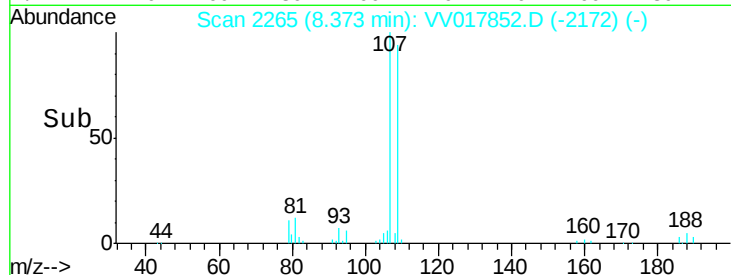
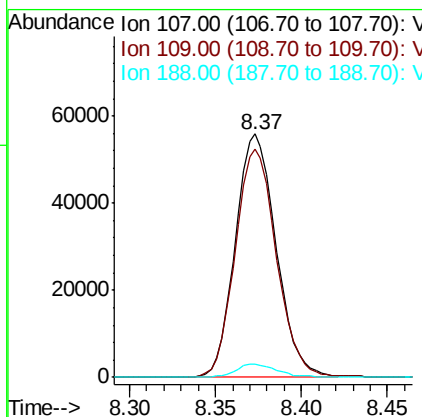
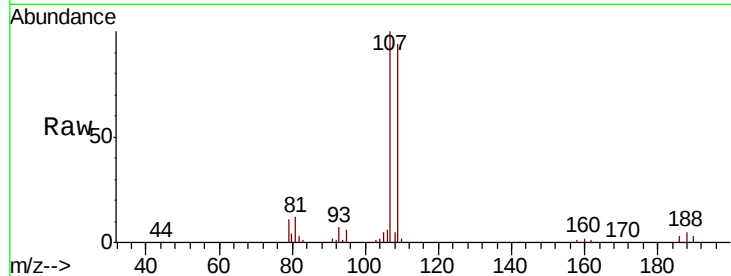




#50
1,2-Dibromoethane
Concen: 50.533 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

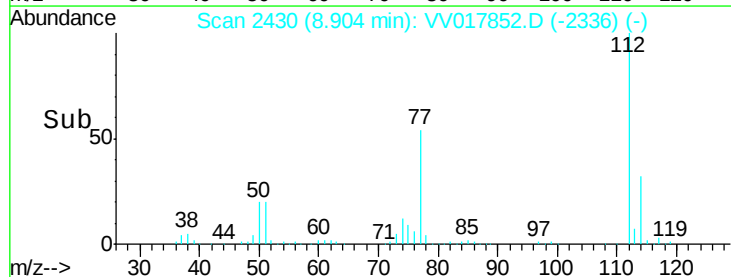
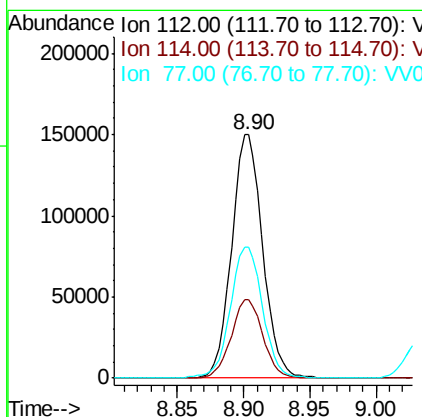
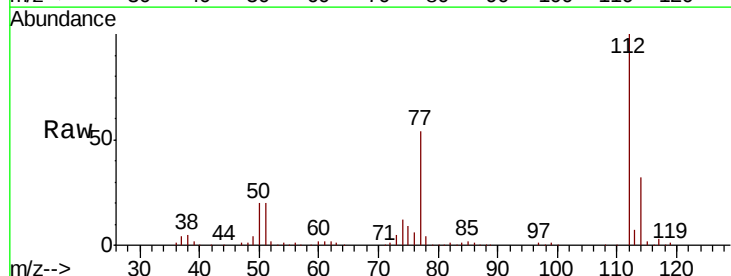
Instrument :
MSVOA_V
ClientSampleId :
VICV61

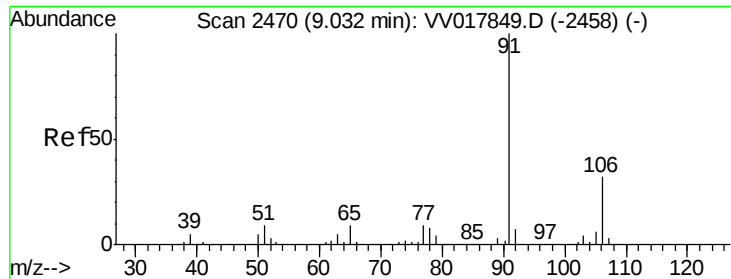
Tot Ion	107	Resp	92047
Ion Ratio	Lower	Upper	
107	100		
109	93.9	67.3	125.1
188	5.3	4.3	6.5



#51
Chlorobenzene
Concen: 50.061 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017852.D
Acq: 08 Aug 2020 13:50

Tgt Ion	112	Resp	243767
Ion Ratio	Lower	Upper	
112	100		
114	32.4	22.4	41.6
77	53.9	42.7	64.1





#52

Ethylbenzene

Concen: 50.580 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

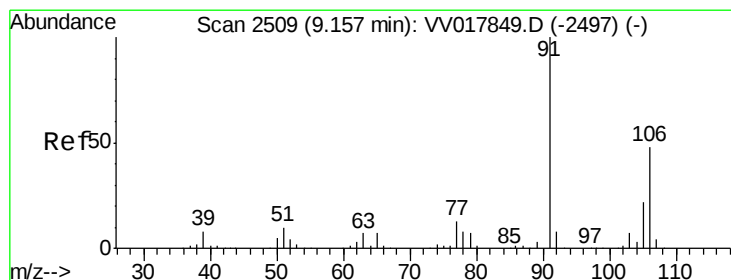
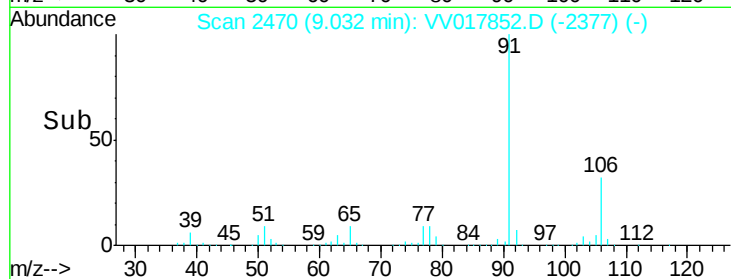
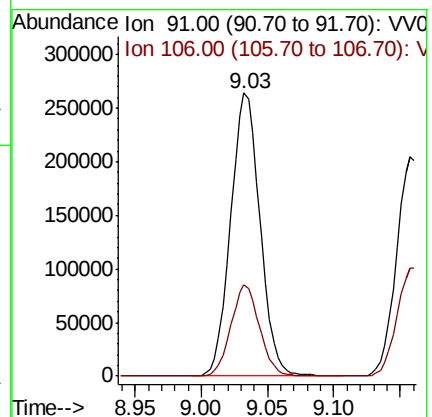
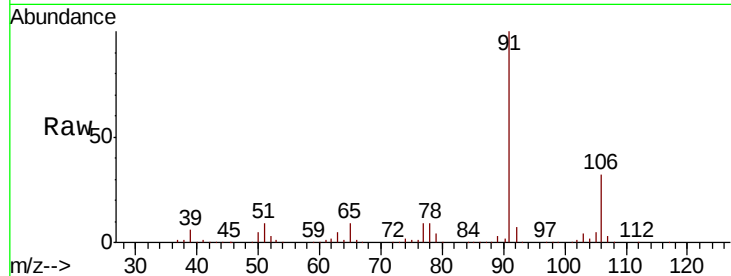
VICV61

Tot Ion: 91 Resp: 406784

Ion Ratio Lower Upper

91 100

106 32.4 22.4 41.6



#53

m,p-Xylene

Concen: 50.876 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017852.D

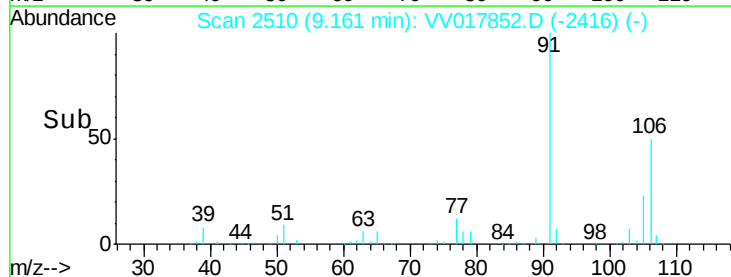
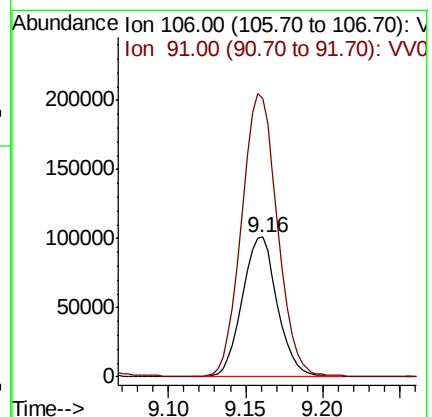
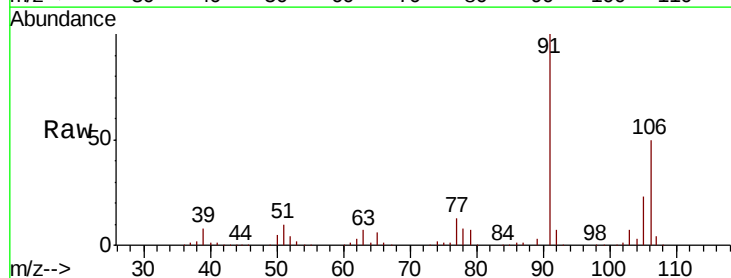
Acq: 08 Aug 2020 13:50

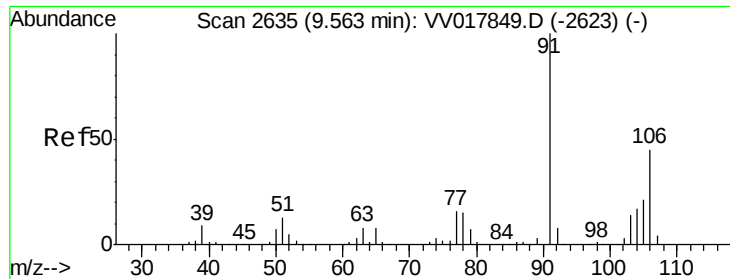
Tgt Ion: 106 Resp: 159044

Ion Ratio Lower Upper

106 100

91 199.0 146.4 272.0





#54

o-xylene

Concen: 50.673 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampled :

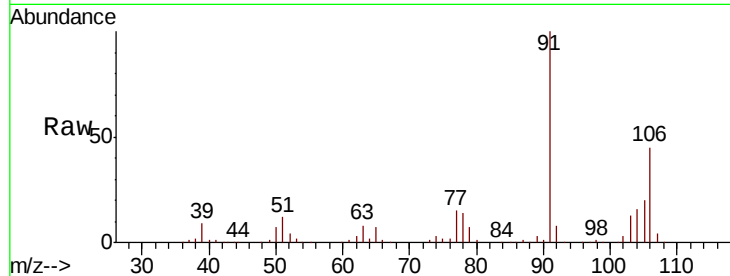
VICV61

Tot Ion:106 Resp: 155574

Ion Ratio Lower Upper

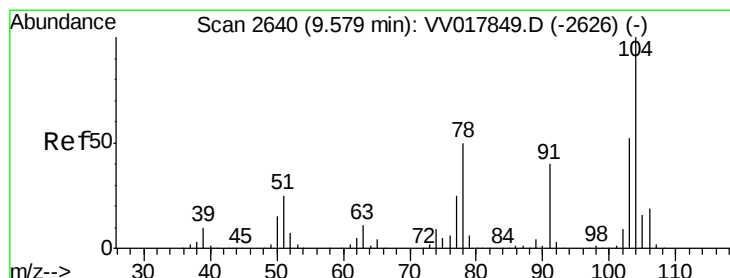
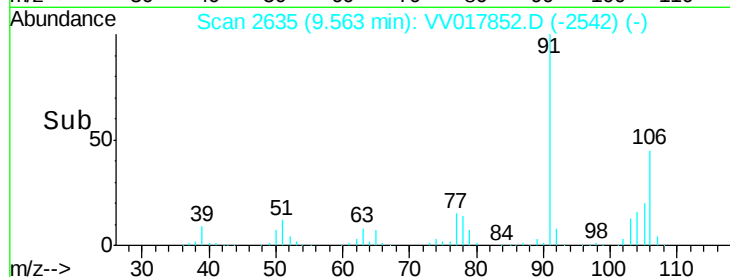
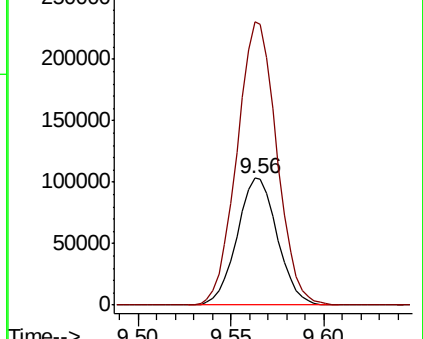
106 100

91 223.1 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.531 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017852.D

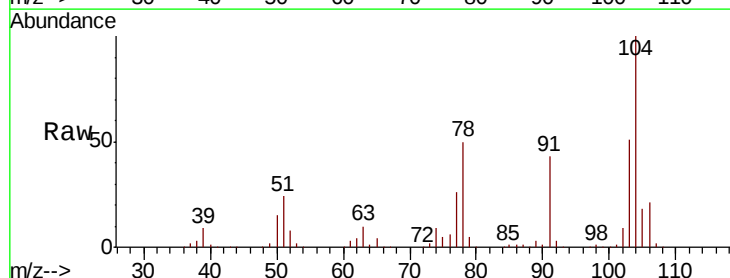
Acq: 08 Aug 2020 13:50

Tgt Ion:104 Resp: 271290

Ion Ratio Lower Upper

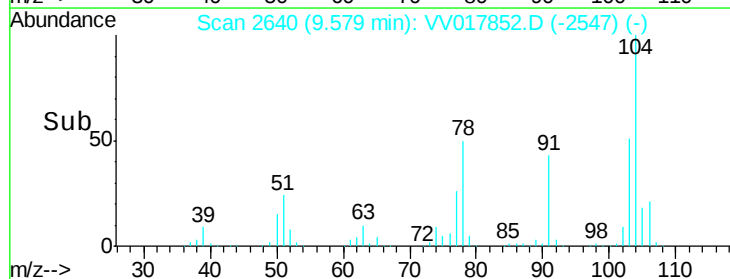
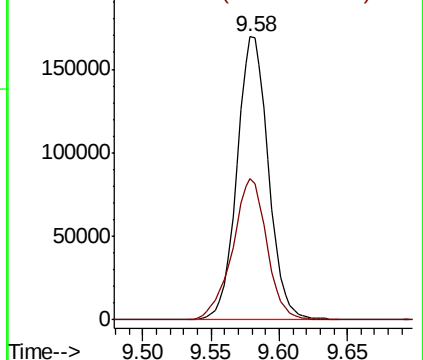
104 100

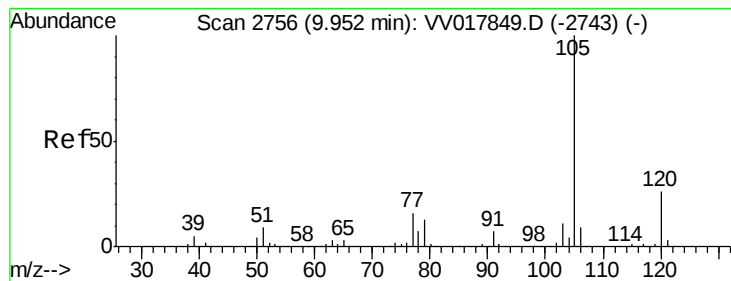
78 50.0 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.436 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

VICV61

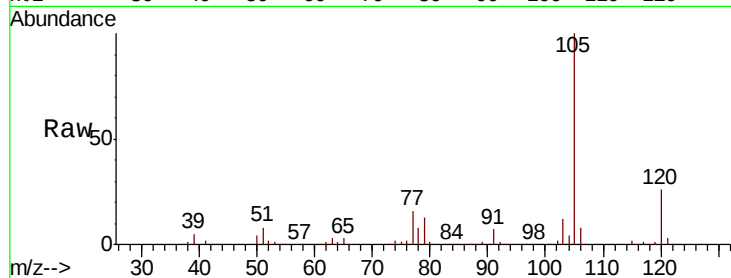
Tot Ion:105 Resp: 427978

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

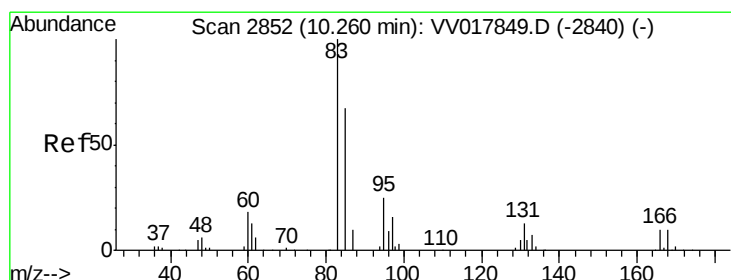
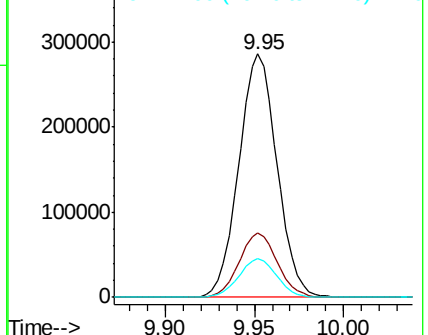
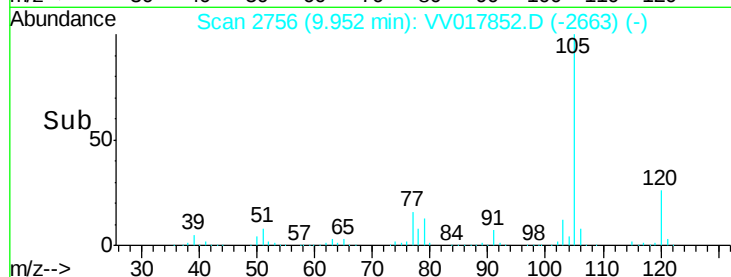
77 15.9 13.0 19.4



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: 50.790 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

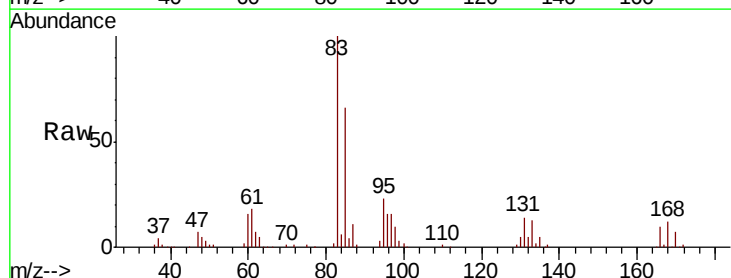
Tgt Ion: 83 Resp: 113052

Ion Ratio Lower Upper

83 100

85 65.9 47.5 88.1

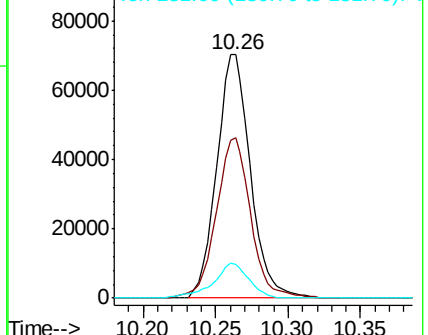
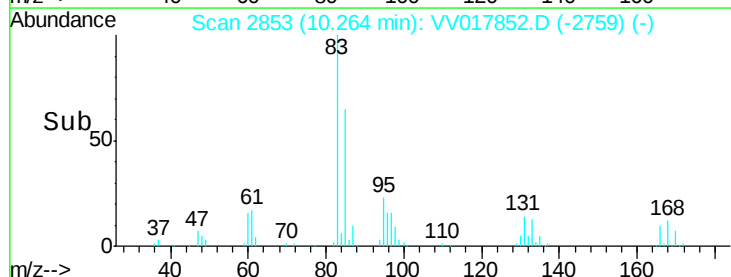
131 14.0 11.1 16.7

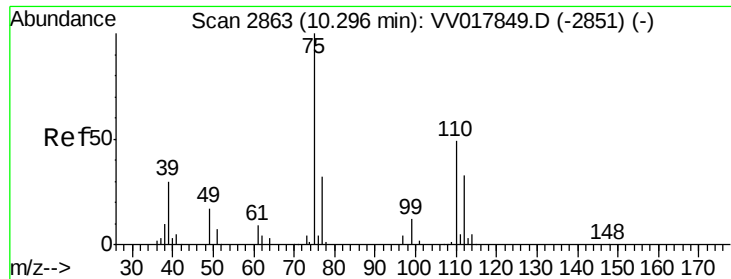


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

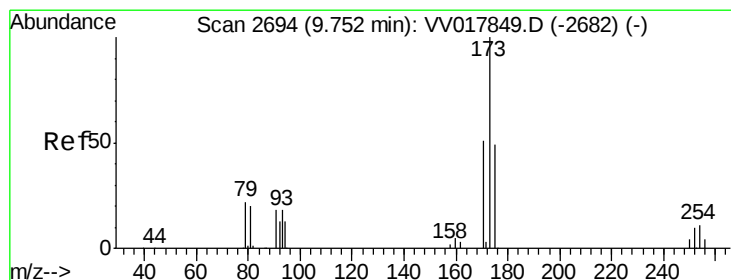
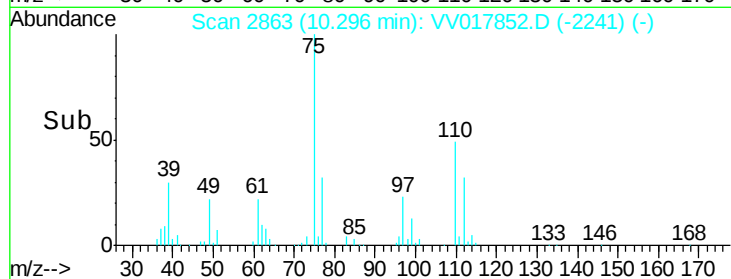
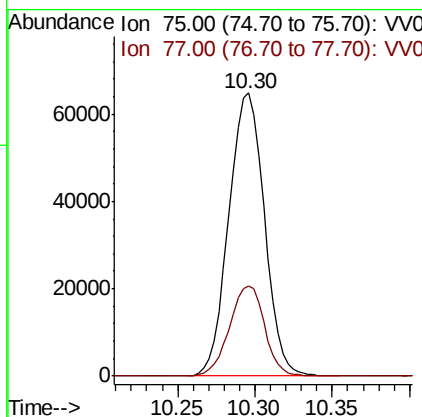
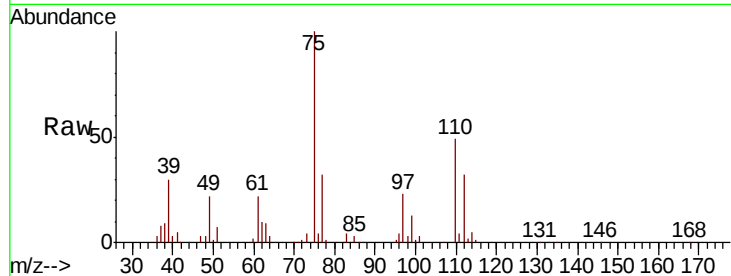




#59
 1,2,3-Trichloropropane
 Concen: 51.259 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

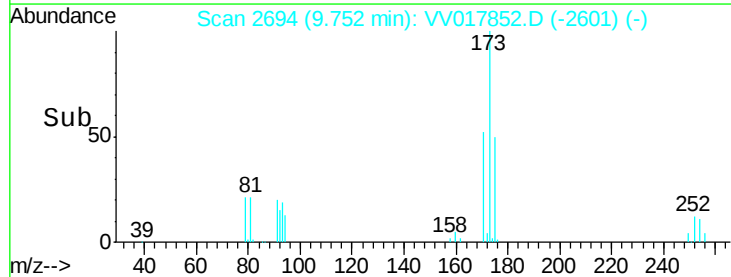
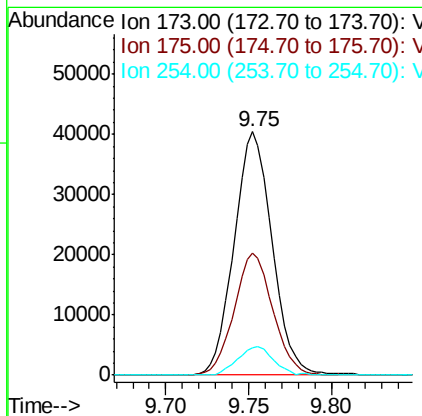
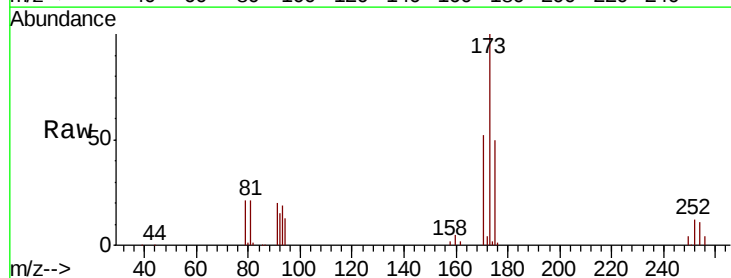
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

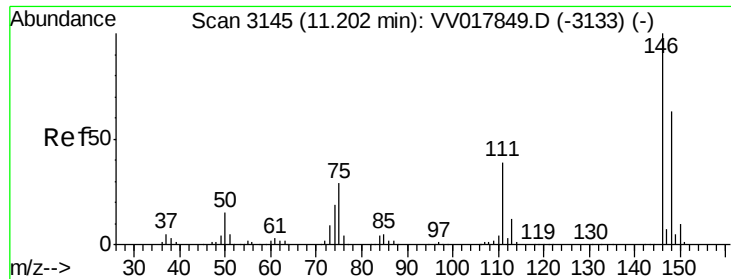
Tot Ion: 75 Resp: 103664
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6



#61
 Bromoform
 Concen: 52.341 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Tgt Ion: 173 Resp: 64440
 Ion Ratio Lower Upper
 173 100
 175 50.8 40.6 60.8
 254 10.7 8.2 12.2

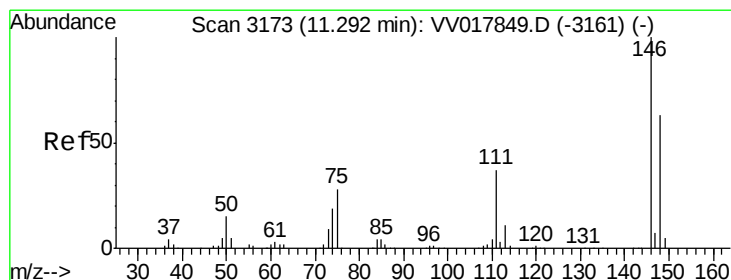
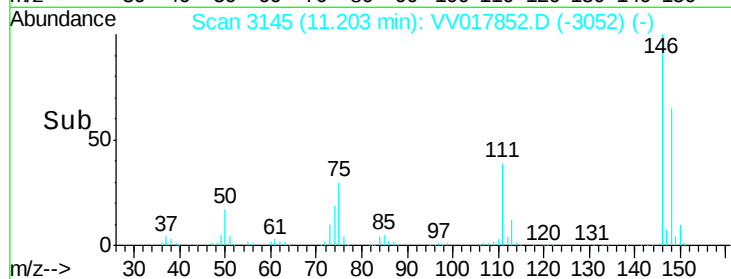
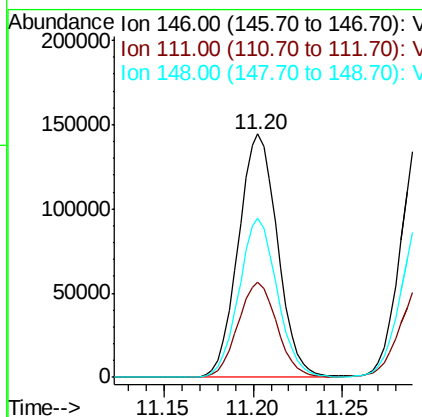
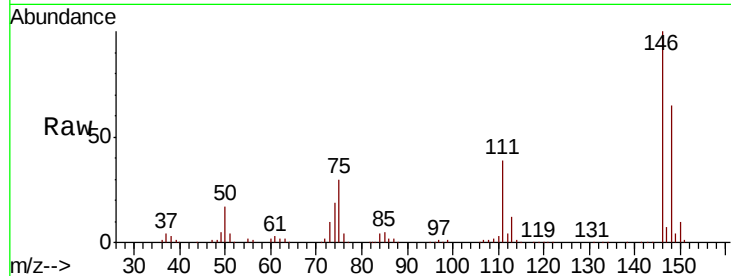




#62
 1,3-Dichlorobenzene
 Concen: 50.558 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

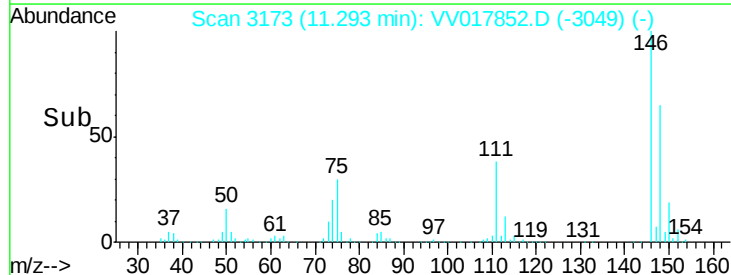
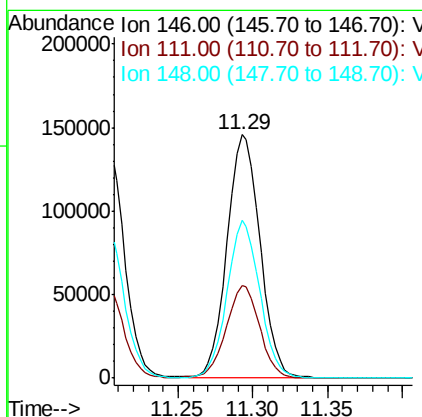
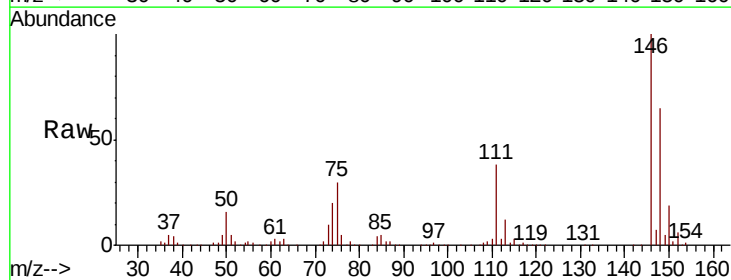
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

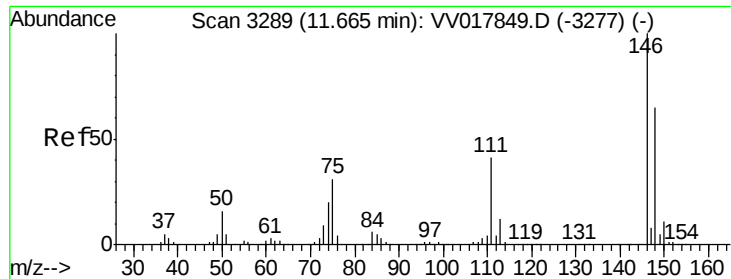
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.1	50.3
148	65.4	43.8	81.4



#63
 1,4-Dichlorobenzene
 Concen: 50.327 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.2	48.8
148	64.6	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 49.903 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

VICV61

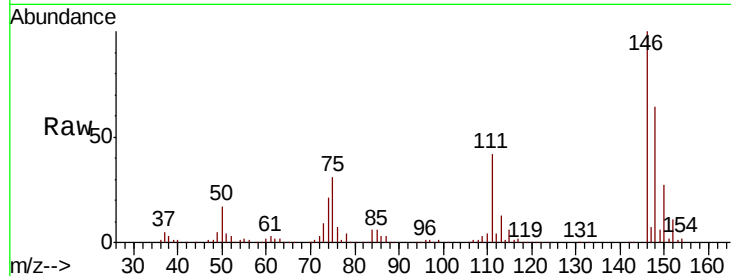
Tot Ion:146 Resp: 222380

Ion Ratio Lower Upper

146 100

111 41.7 32.9 49.3

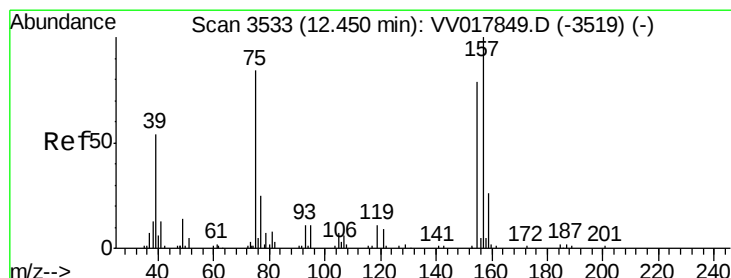
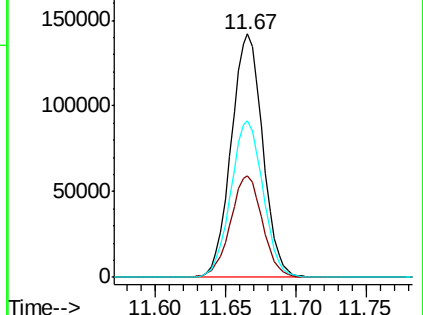
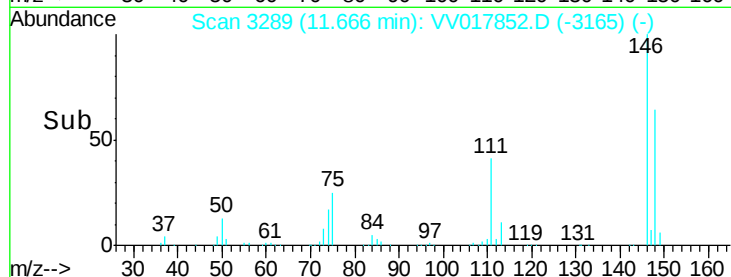
148 64.3 51.9 77.9



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: 52.672 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

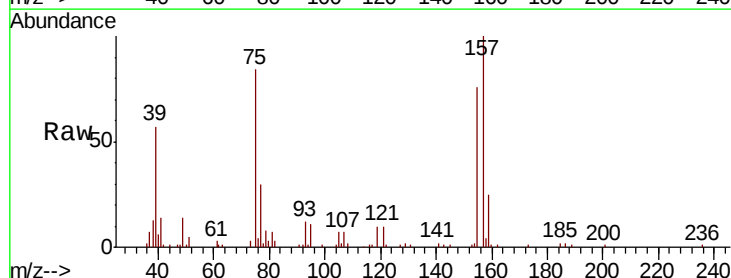
Tgt Ion: 75 Resp: 30722

Ion Ratio Lower Upper

75 100

155 90.6 75.0 112.6

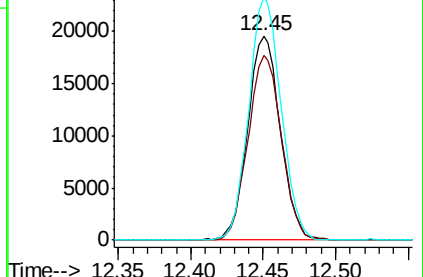
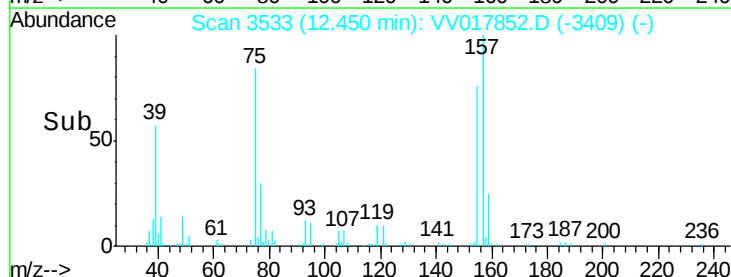
157 119.1 95.0 142.4

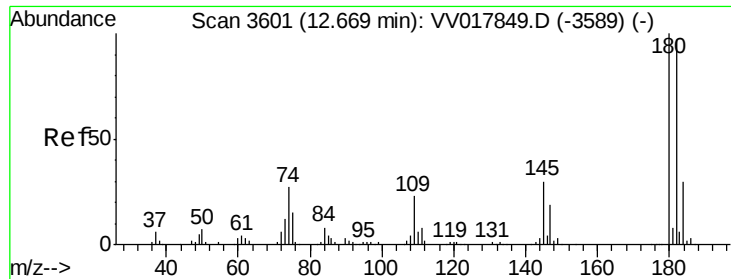


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

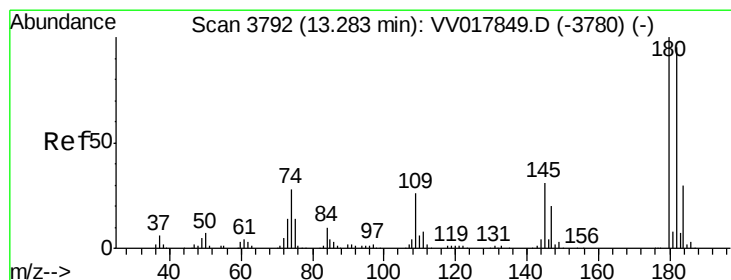
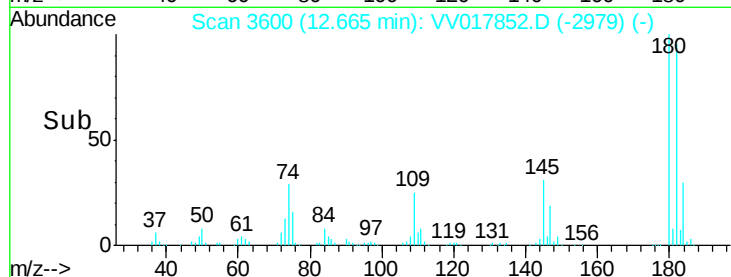
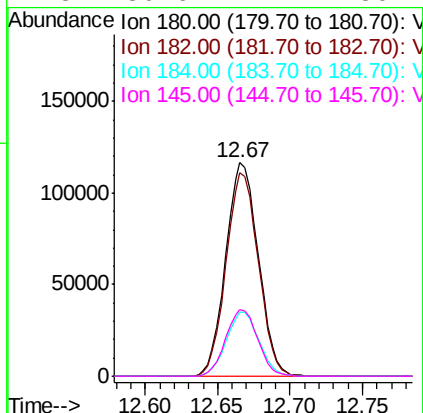
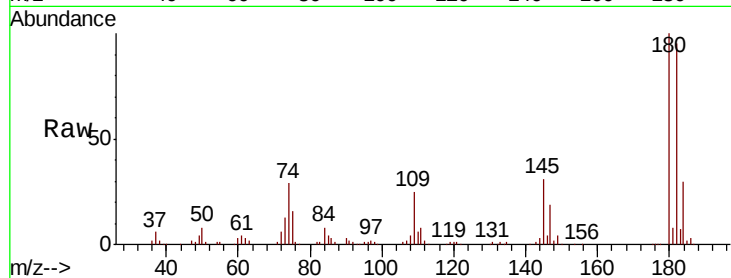




#67
 1,3,5-Trichlorobenzene
 Concen: 51.030 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

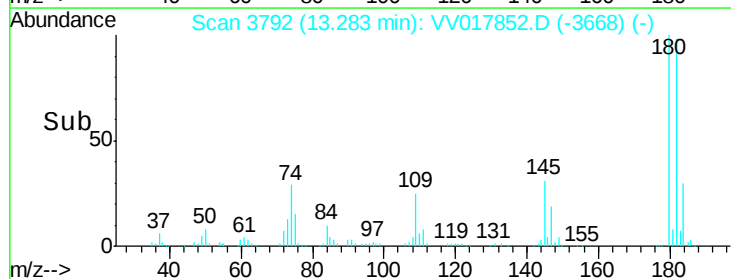
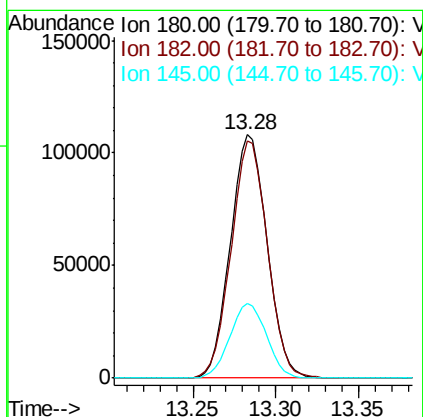
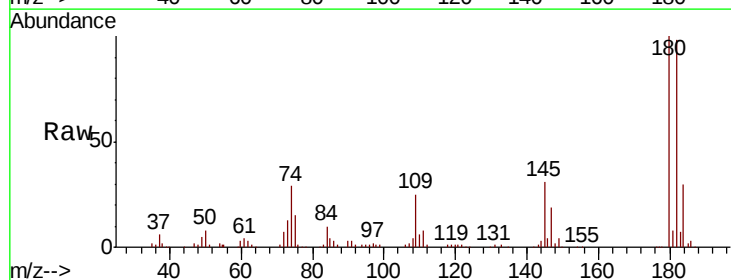
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

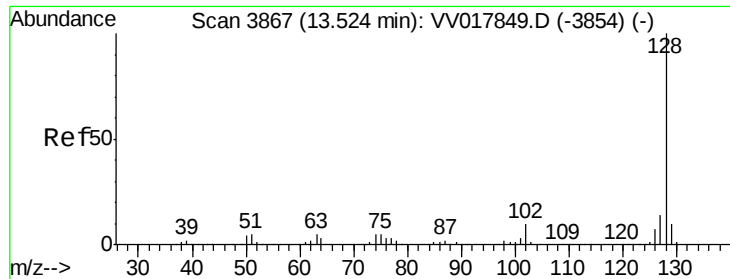
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
184	29.9	24.4	36.6
145	30.6	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 53.362 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017852.D
 Acq: 08 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
145	30.6	24.1	36.1





#69

Naphthalene

Concen: 54.744 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

VICV61

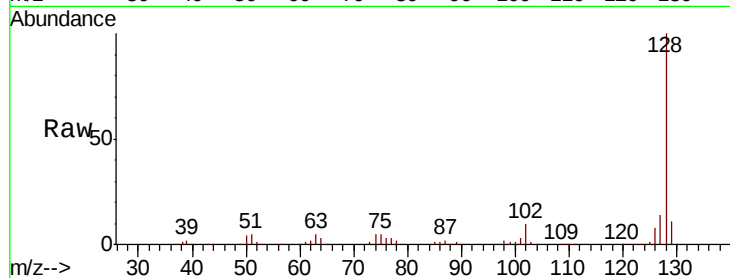
Tot Ion:128 Resp: 435866

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

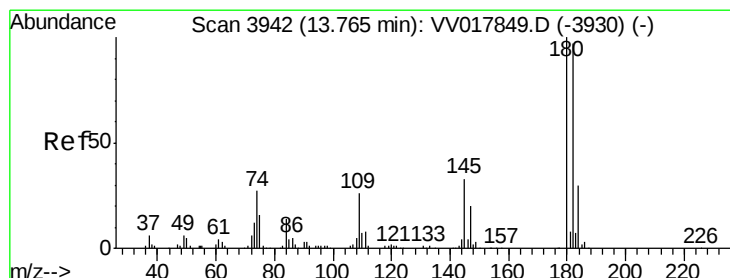
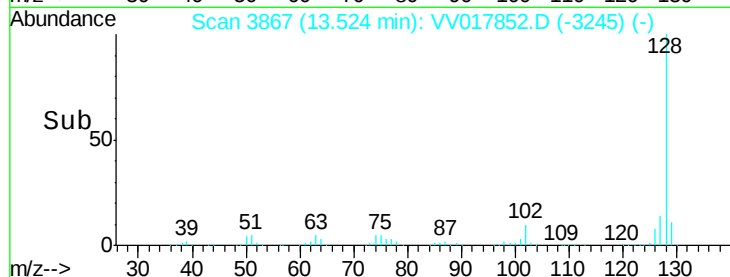
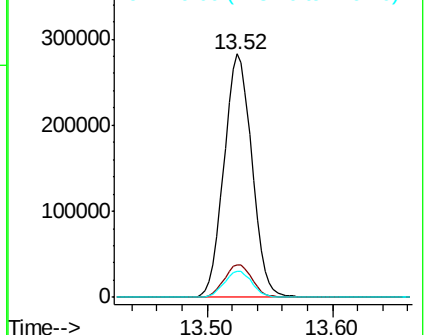
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.663 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV017852.D

Acq: 08 Aug 2020 13:50

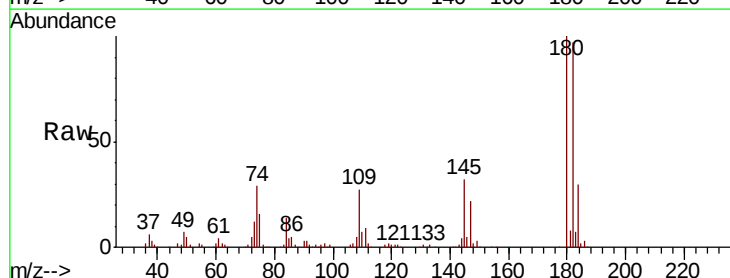
Tgt Ion:180 Resp: 165742

Ion Ratio Lower Upper

180 100

182 96.1 76.7 115.1

145 32.2 26.1 39.1



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

