

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081820\
 Data File : VV018054.D
 Acq On : 18 Aug 2020 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 07:57:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 07:54:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	266930	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	264733	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145541	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89283	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.68%
7) Chloroethane-d5	1.58	69	77237	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.70%
11) 1,1-Dichloroethene-d2	2.12	63	180592	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
21) 2-Butanone-d5	3.91	46	127364	95.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.48%
24) Chloroform-d	4.37	84	175998	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
26) 1,2-Dichloroethane-d4	5.05	65	114839	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.07	84	335795	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
36) 1,2-Dichloropropane-d6	6.09	67	109318	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.66%
41) Toluene-d8	7.33	98	307275	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.64	79	53568	49.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.04%
47) 2-Hexanone-d5	8.11	63	71261	93.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.10%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	143864	46.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	131240	45.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97648	47.384	ug/L 100
3) Chloromethane	1.25	50	111339	46.510	ug/L 97
5) Vinyl chloride	1.32	62	113639	47.912	ug/L 98
6) Bromomethane	1.53	94	65023	45.869	ug/L 100
8) Chloroethane	1.60	64	73854	48.786	ug/L 99
9) Trichlorofluoromethane	1.76	101	162423	47.940	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	94597	50.005	ug/L 99
12) 1,1-Dichloroethene	2.13	96	88399	49.370	ug/L 93
13) Acetone	2.19	43	144830	105.118	ug/L 99
14) Carbon disulfide	2.31	76	243131	49.335	ug/L 100
15) Methyl Acetate	2.45	43	106719	47.997	ug/L 99
16) Methylene chloride	2.52	84	103829	45.516	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	90886	49.379	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	303684	49.889	ug/L 100
19) 1,1-Dichloroethane	3.21	63	181432	49.023	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	101202	50.035	ug/L 100
22) 2-Butanone	3.99	43	160541	103.866	ug/L 97

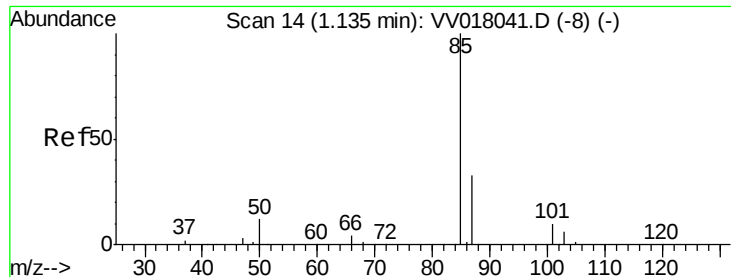
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081820\
 Data File : VV018054.D
 Acq On : 18 Aug 2020 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 07:57:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 07:54:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52233	49.434	ug/L	97
25) Chloroform	4.40	83	186617	49.437	ug/L	99
27) 1,2-Dichloroethane	5.15	62	146576	48.784	ug/L	98
29) Cyclohexane	4.70	56	155773	48.753	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	157124	48.433	ug/L	99
31) Carbon tetrachloride	4.85	117	134619	49.846	ug/L	99
33) Benzene	5.12	78	396618	48.425	ug/L	100
34) Trichloroethene	5.93	95	105525	48.742	ug/L	98
35) Methylcyclohexane	6.15	83	157670	48.977	ug/L	100
37) 1,2-Dichloropropane	6.19	63	106349	47.613	ug/L	99
38) Bromodichloromethane	6.53	83	135554	48.859	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	161164	50.898	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	280288	95.992	ug/L	100
42) Toluene	7.41	91	421045	49.265	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	157770	52.514	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	99305	48.008	ug/L	99
46) Tetrachloroethene	7.99	164	81390	51.261	ug/L	99
48) 2-Hexanone	8.15	43	231481	98.311	ug/L	100
49) Dibromochloromethane	8.26	129	104418	51.717	ug/L	98
50) 1,2-Dibromoethane	8.37	107	104798	48.968	ug/L	97
51) Chlorobenzene	8.90	112	272868	49.642	ug/L	98
52) Ethylbenzene	9.03	91	465430	49.945	ug/L	100
53) m,p-Xylene	9.16	106	173437	50.603	ug/L	99
54) o-xylene	9.56	106	169082	49.920	ug/L	98
55) Styrene	9.58	104	300322	51.777	ug/L	99
56) Isopropylbenzene	9.95	105	458490	51.312	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	150344	46.675	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	130207	47.201	ug/L	100
61) Bromoform	9.75	173	71497	51.918	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	226990	49.046	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	232667	48.937	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	228587	47.986	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	32249	45.948	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	178617	50.805	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	165165	53.434	ug/L	100
69) Naphthalene	13.52	128	436244	51.204	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166758	53.050	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.384 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

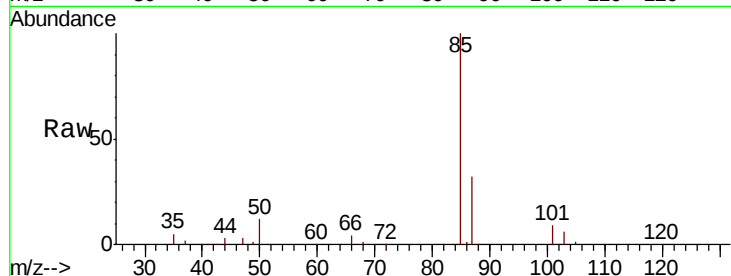
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 97648

Ion Ratio Lower Upper

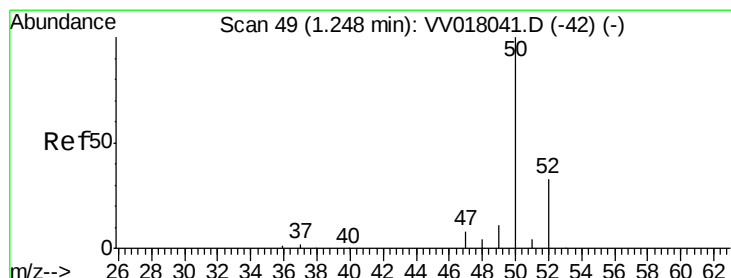
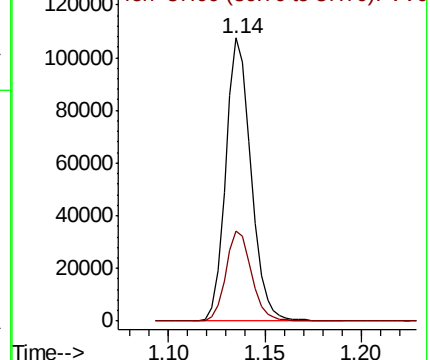
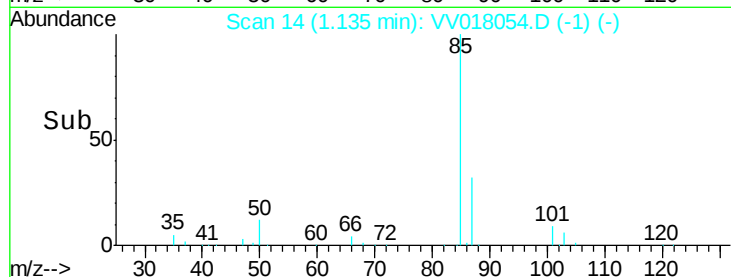
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018054.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018054.D (-1) (-)



#3

Chloromethane

Concen: 46.510 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018054.D

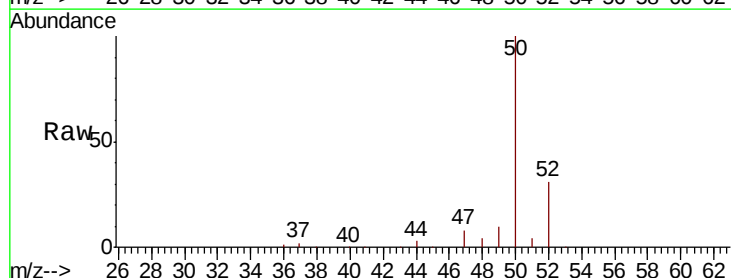
Acq: 18 Aug 2020 16:56

Tgt Ion: 50 Resp: 111339

Ion Ratio Lower Upper

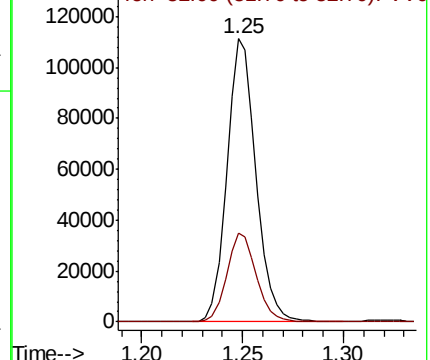
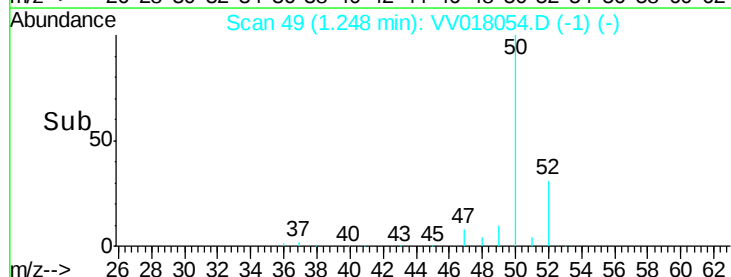
50 100

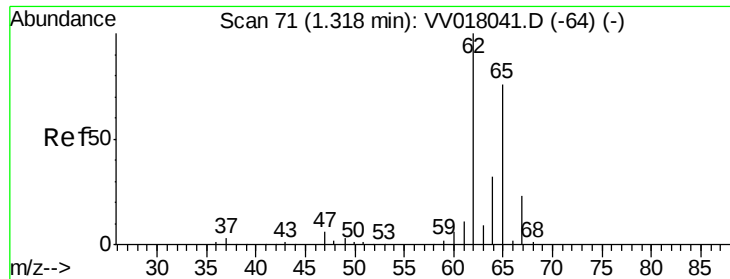
52 31.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018054.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018054.D (-1) (-)





#5

Vinyl chloride

Concen: 47.912 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

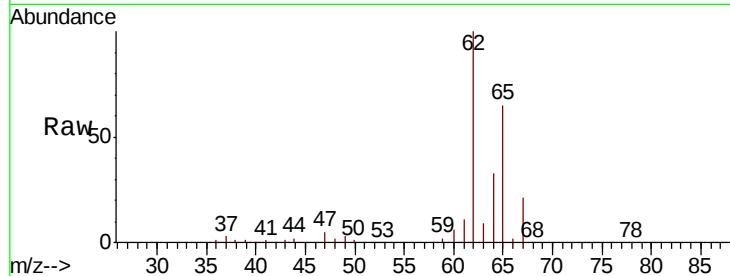
ClientSampleId :

Tot Ion: 62 Resp: 113639

Ion Ratio Lower Upper

62 100

64 32.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV018054.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018054.D (-64) (-)

1.32

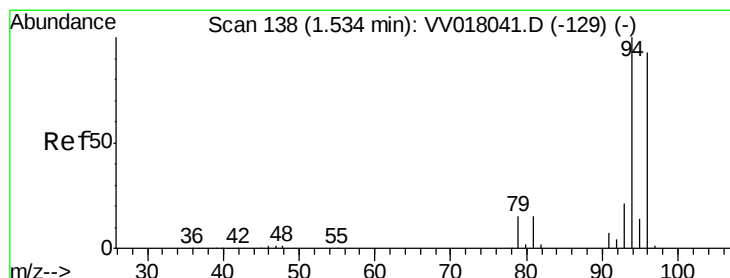
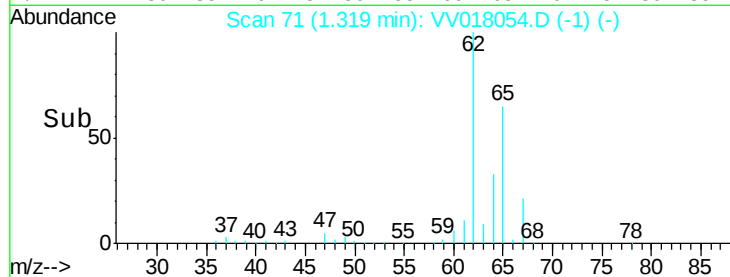
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 45.869 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018054.D

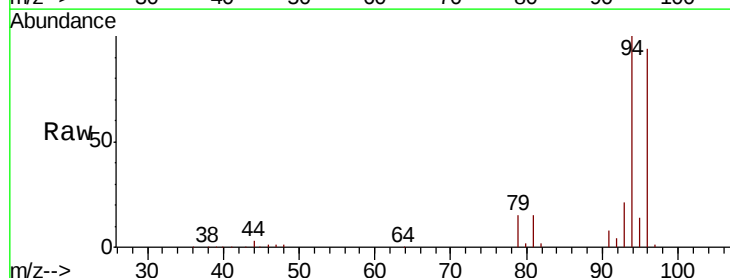
Acq: 18 Aug 2020 16:56

Tgt Ion: 94 Resp: 65023

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV018054.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018054.D (-129) (-)

1.53

60000

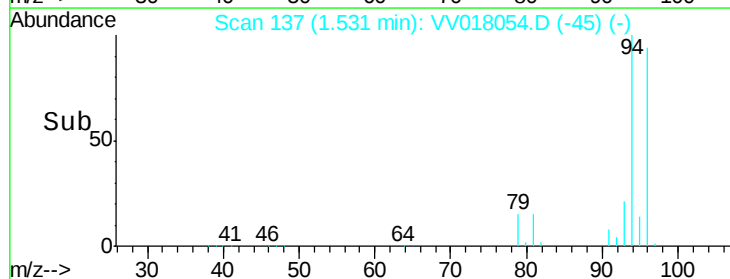
40000

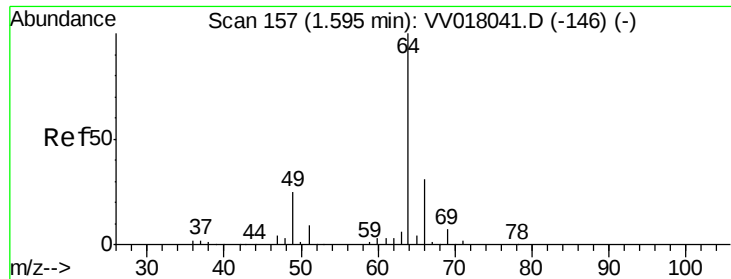
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 48.786 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

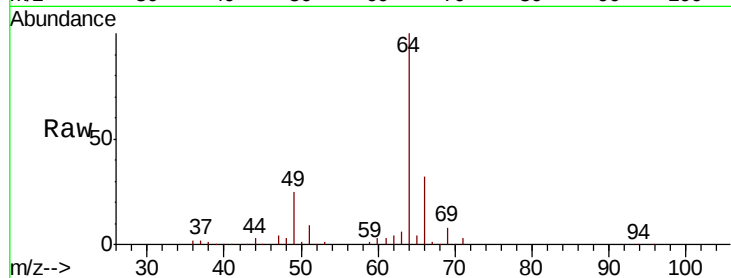
ClientSampleId :

Tot Ion: 64 Resp: 73854

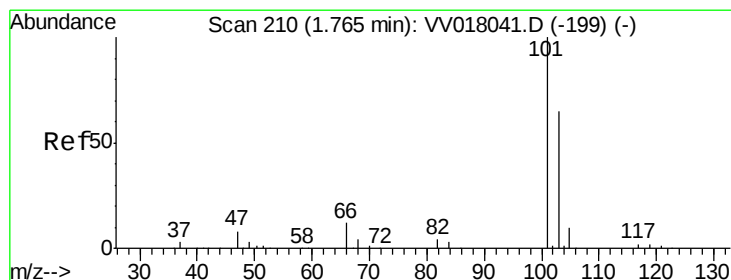
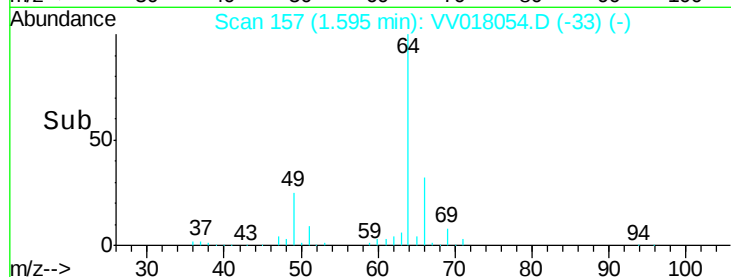
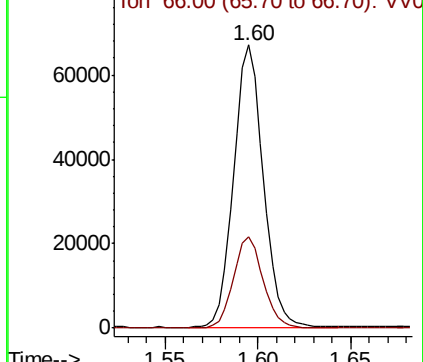
Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018054.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 47.940 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018054.D

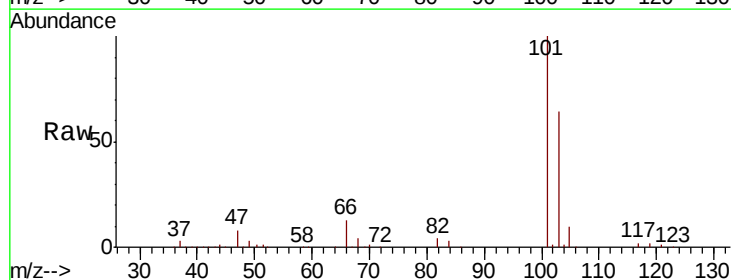
Acq: 18 Aug 2020 16:56

Tgt Ion:101 Resp: 162423

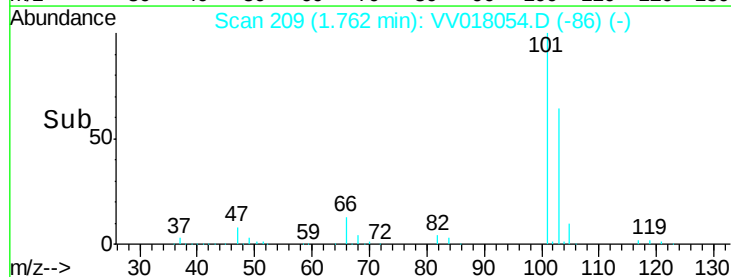
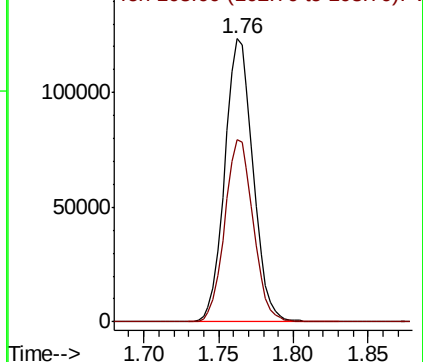
Ion Ratio Lower Upper

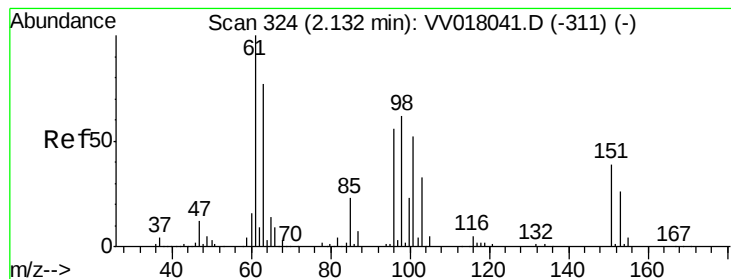
101 100

103 65.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018054.D (-86) (-)





#10

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

Concen: 50.005 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

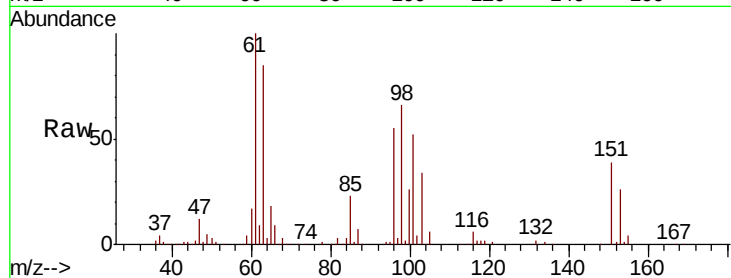
Tot Ion:101 Resp: 94597

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

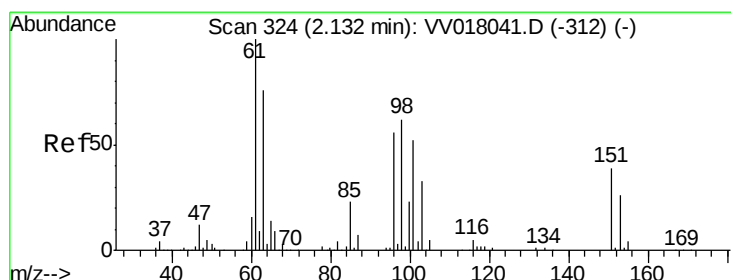
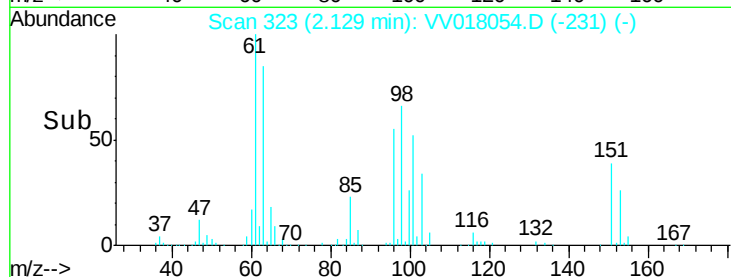
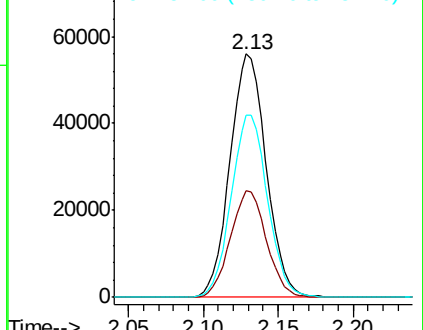
151 75.1 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.370 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

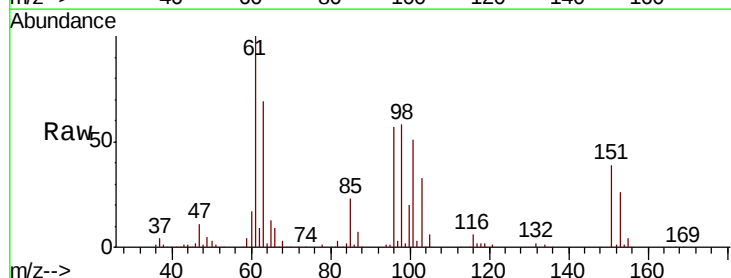
Tgt Ion: 96 Resp: 88399

Ion Ratio Lower Upper

96 100

61 176.8 127.1 236.0

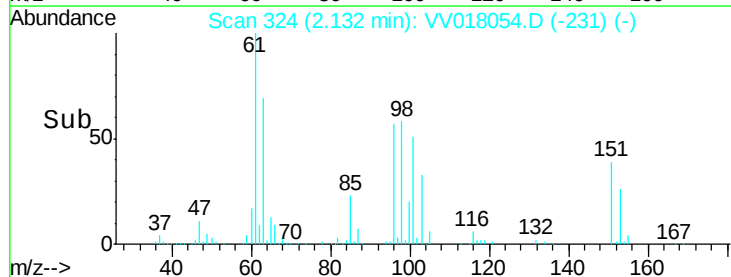
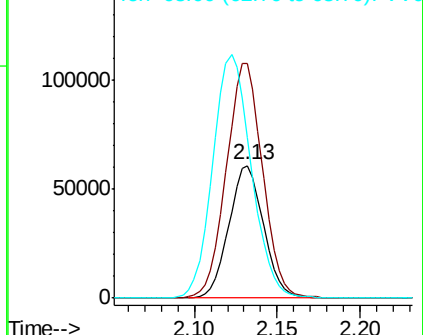
63 121.4 95.2 176.8

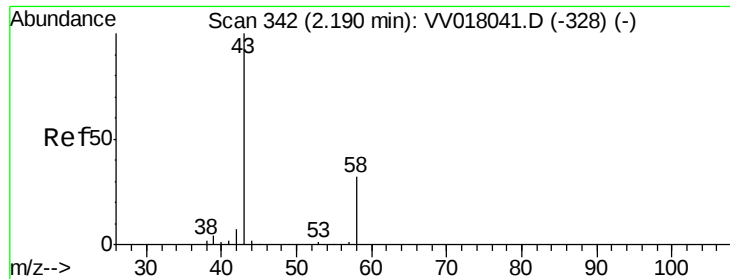


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 105.118 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

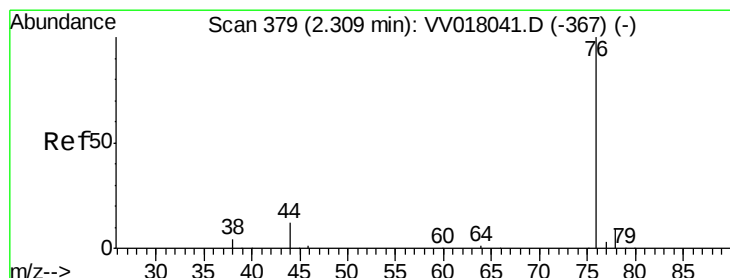
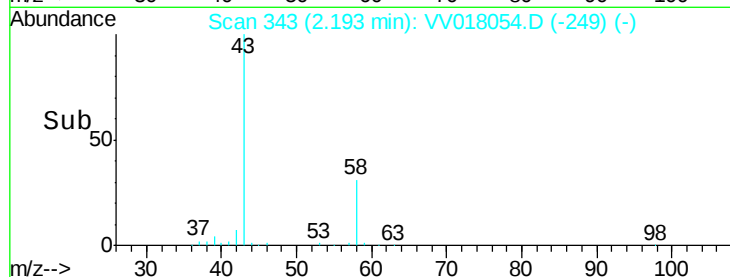
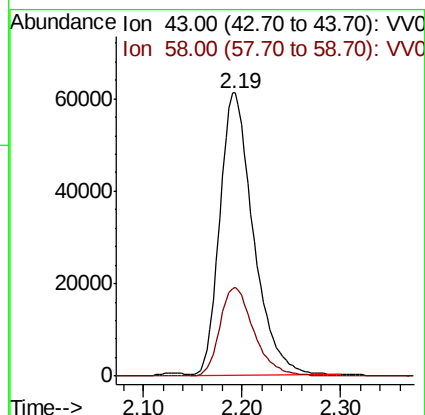
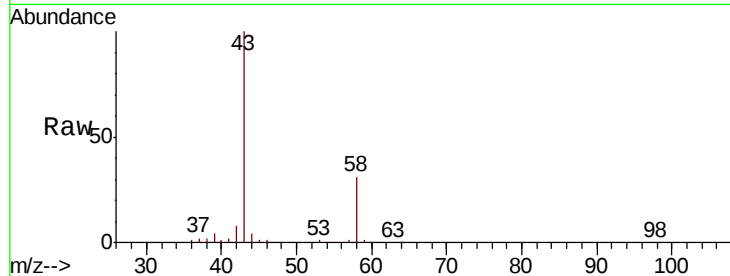
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 144830

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.6



#14

Carbon disulfide

Concen: 49.335 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018054.D

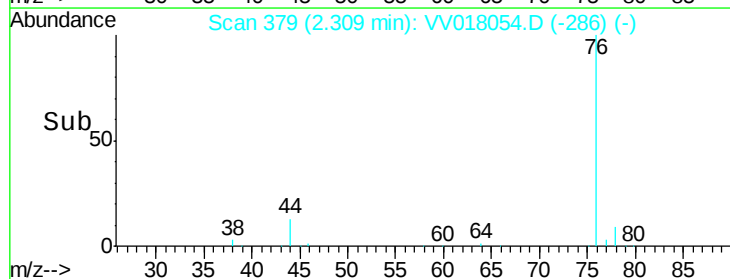
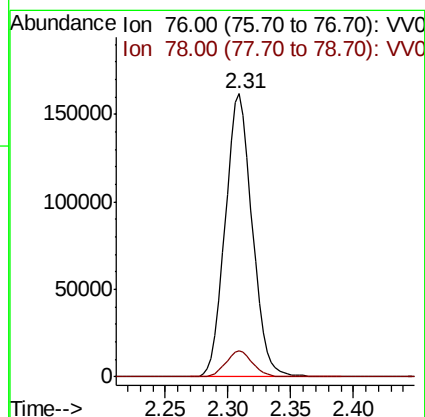
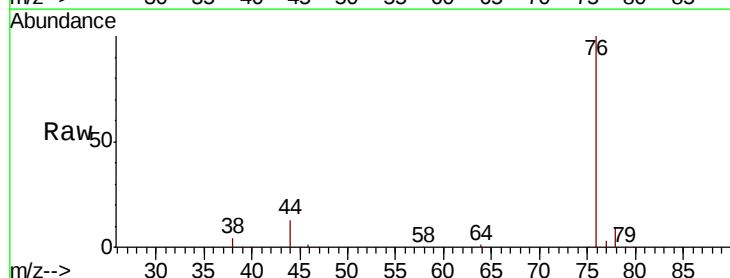
Acq: 18 Aug 2020 16:56

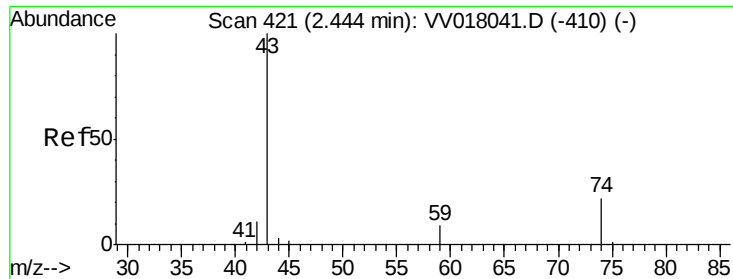
Tgt Ion: 76 Resp: 243131

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

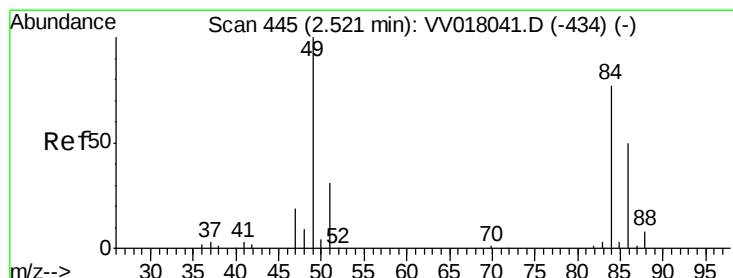
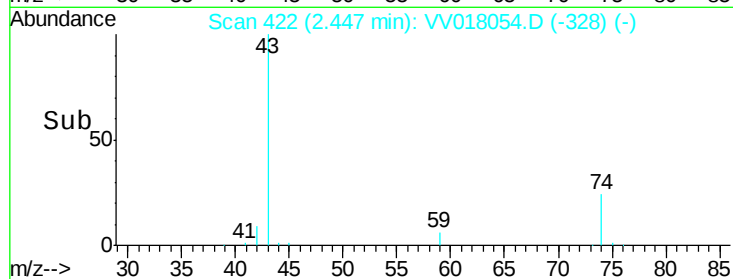
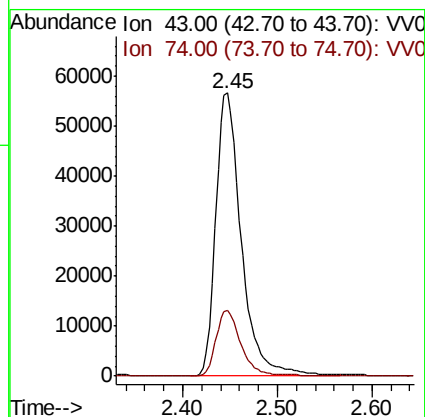
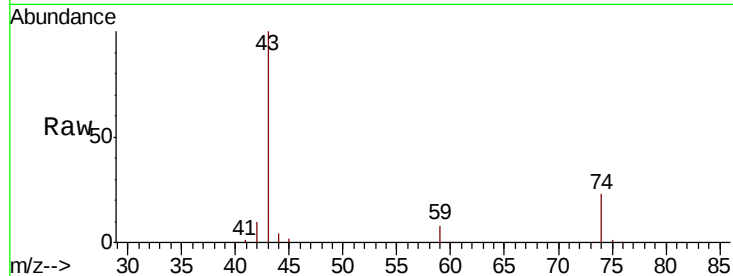




#15
Methvl Acetate
Concen: 47.997 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

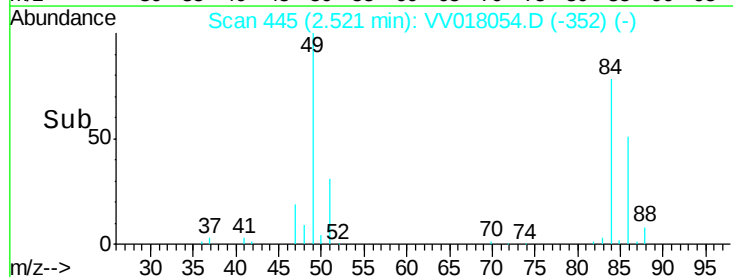
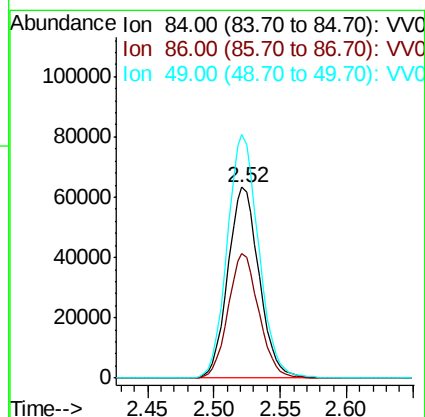
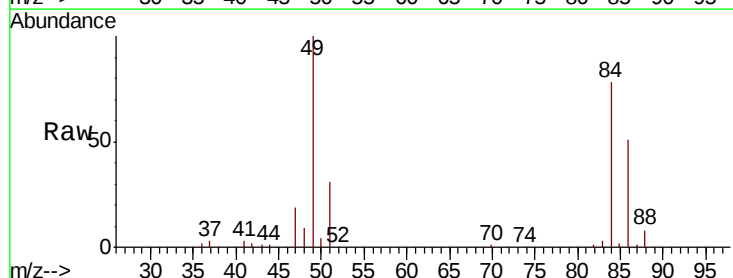
Instrument :
MSVOA_V
ClientSampleId :

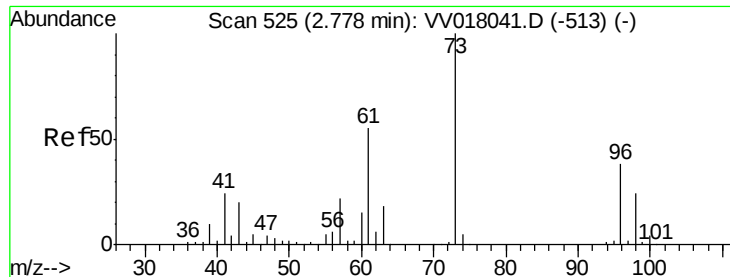
Tot Ion: 43 Resp: 106719
Ion Ratio Lower Upper
43 100
74 22.5 18.4 27.6



#16
Methylene chloride
Concen: 45.516 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Tgt Ion: 84 Resp: 103829
Ion Ratio Lower Upper
84 100
86 65.3 46.3 85.9
49 127.6 89.7 166.5

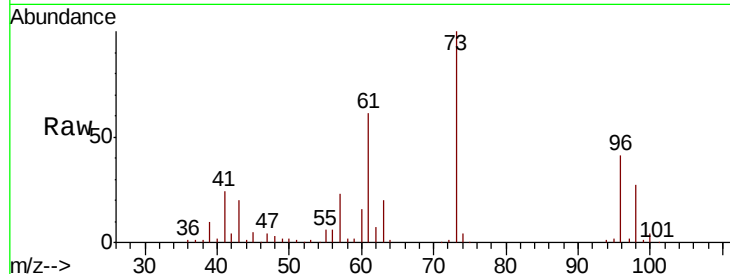




#17
trans-1,2-Dichloroethene
Concen: 49.379 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	96	Resp	90886
Ion	Ratio	Lower	Upper
96	100		
61	147.7	102.4	190.2
98	64.8	44.4	82.5

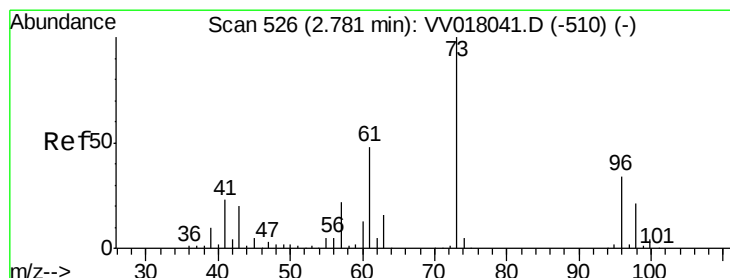
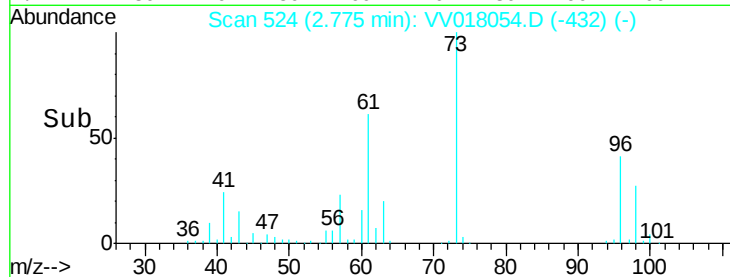
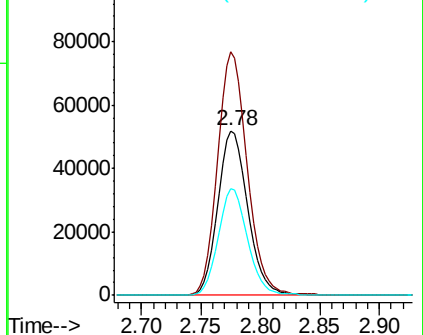


Abundance

Ion 96.00 (95.70 to 96.70): VV0

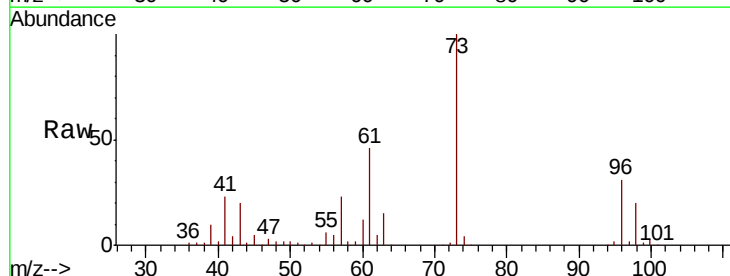
Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18
Methyl tert-butyl Ether
Concen: 49.889 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Tgt Ion	73	Resp	303684
Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.9	23.9
57	22.8	18.1	27.1

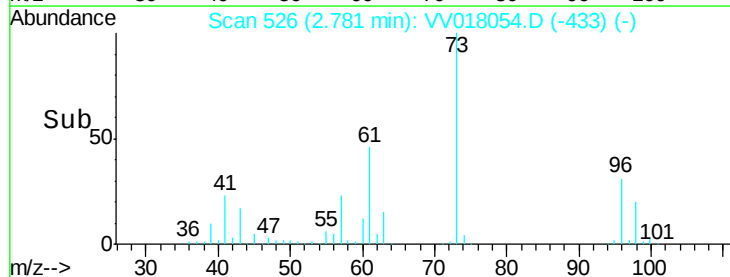
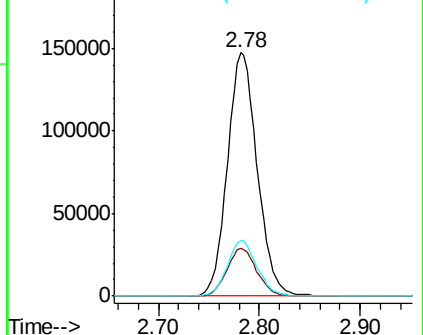


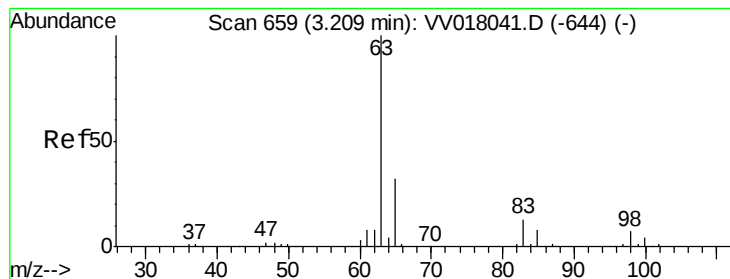
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.023 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampled :

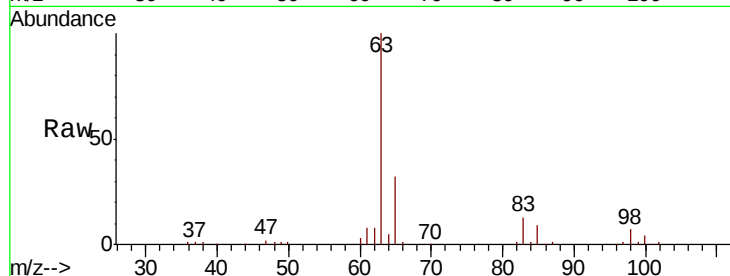
Tot Ion: 63 Resp: 181432

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

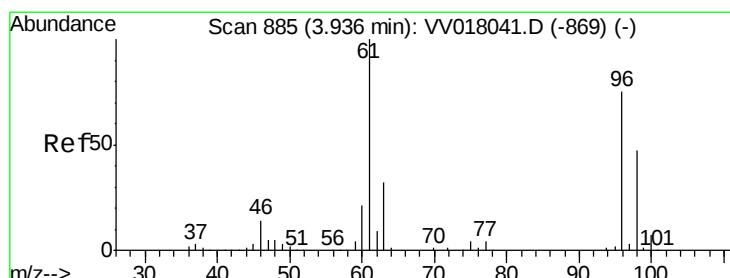
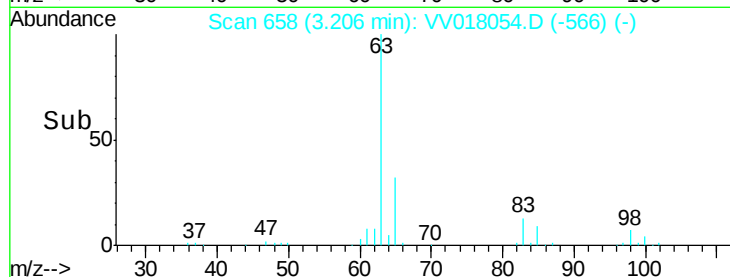
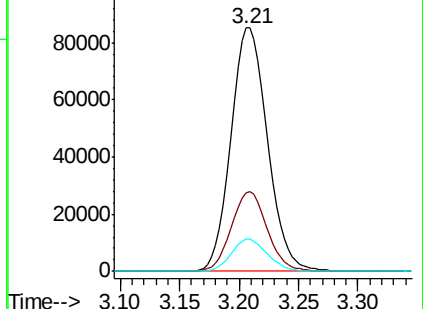
83 13.1 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.035 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

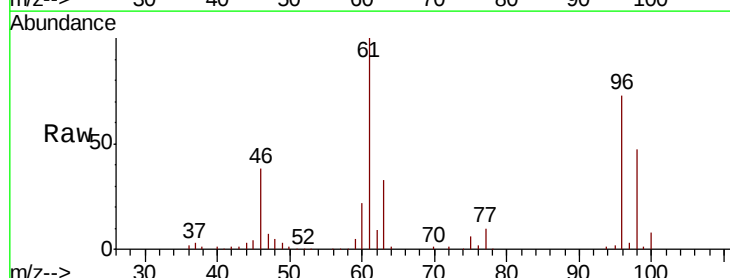
Tgt Ion: 96 Resp: 101202

Ion Ratio Lower Upper

96 100

61 136.1 95.0 176.4

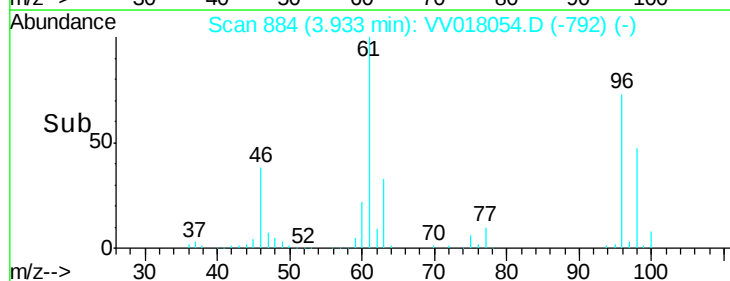
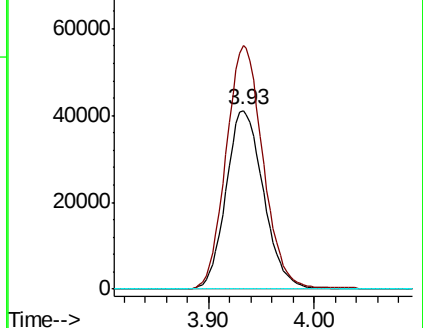
68 0.0 0.0 0.0

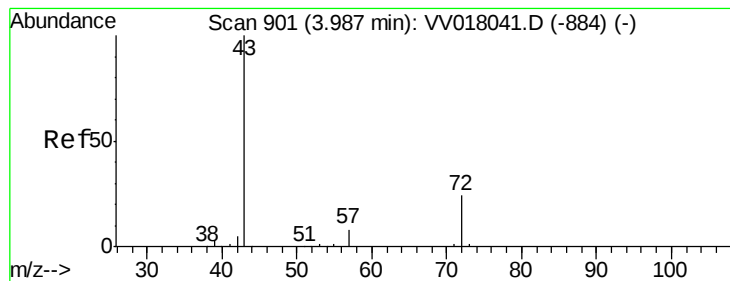


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 103.866 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

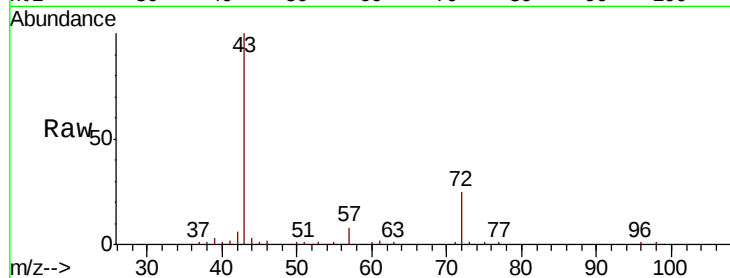
ClientSampled :

Tot Ion: 43 Resp: 160541

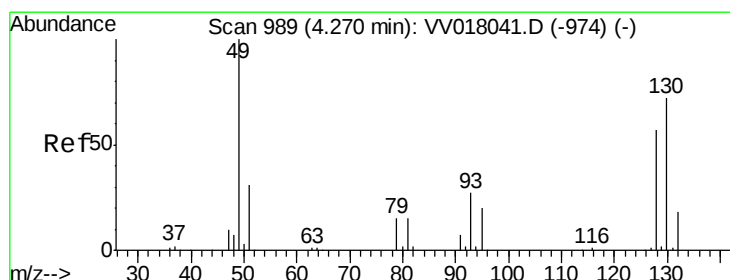
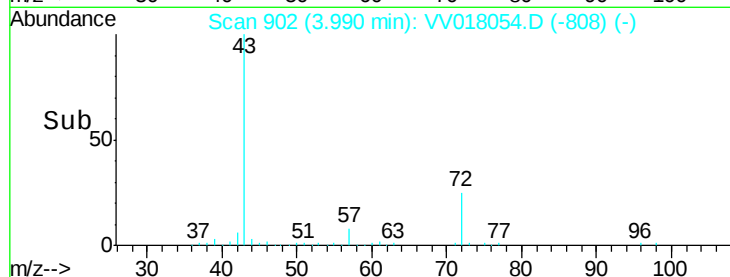
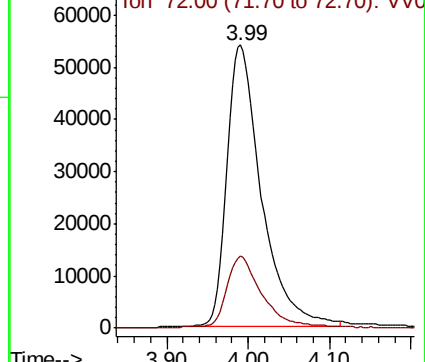
Ion Ratio Lower Upper

43 100

72 26.6 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018054.D (-896) (-)



#23

Bromochloromethane

Concen: 49.434 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Tgt Ion: 128 Resp: 52233

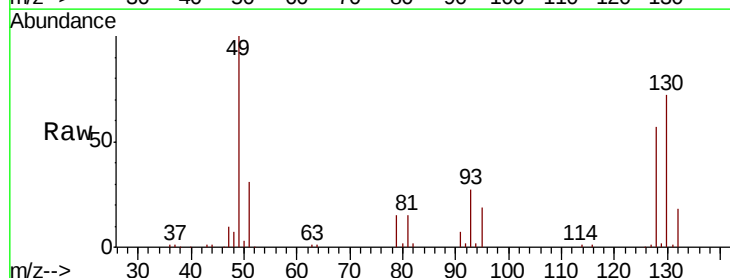
Ion Ratio Lower Upper

128 100

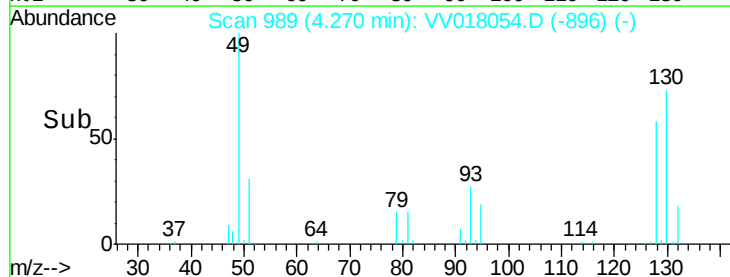
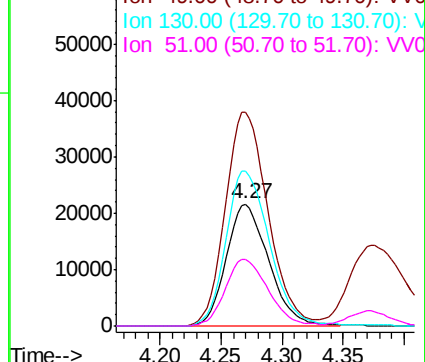
49 175.0 125.6 233.3

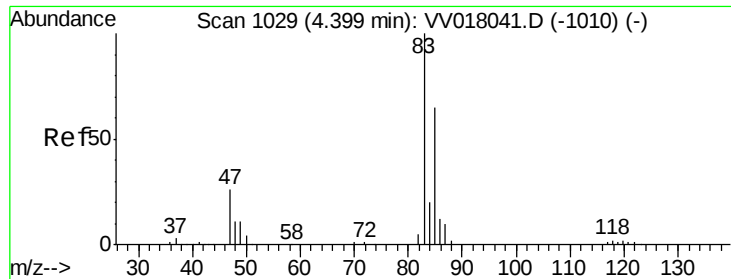
130 126.6 89.9 167.0

51 54.6 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018054.D (-896) (-)

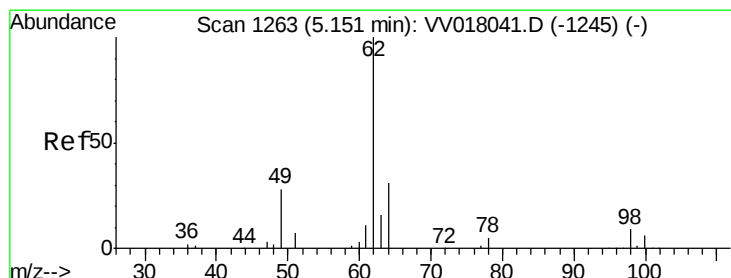
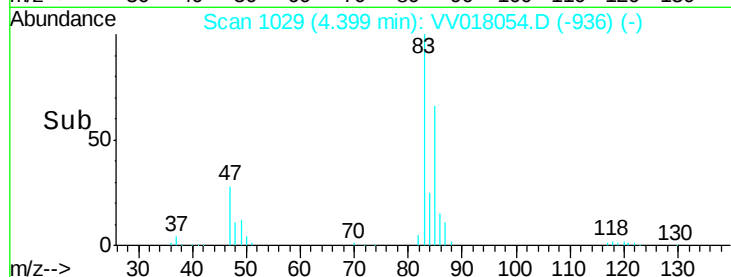
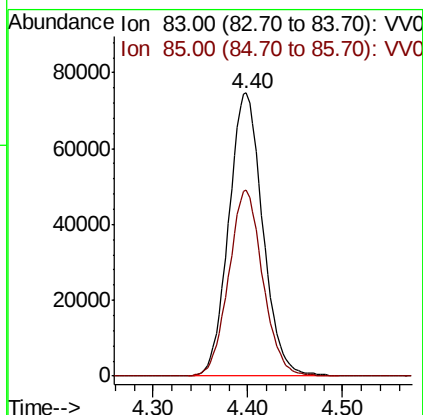
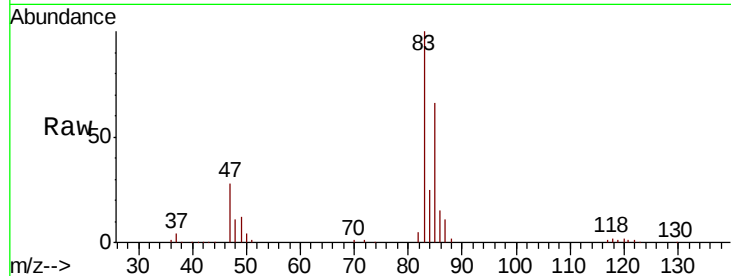




#25
Chloroform
Concen: 49.437 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

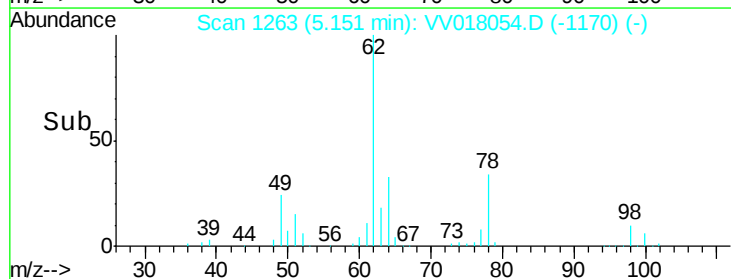
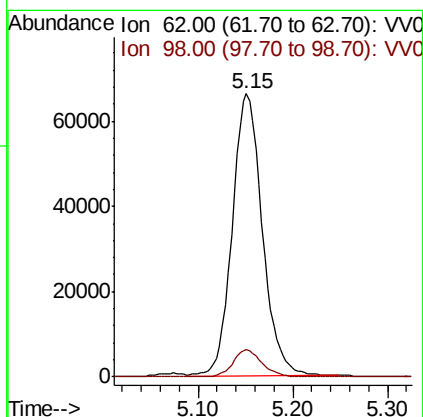
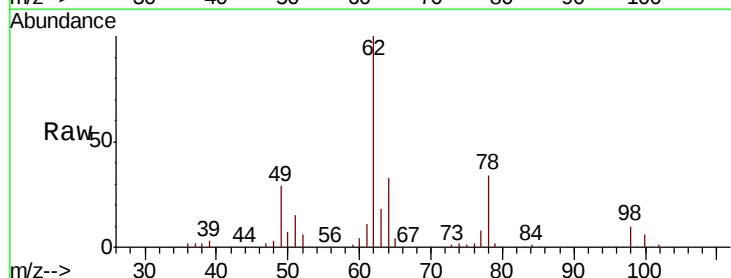
Instrument :
MSVOA_V
ClientSampleId :

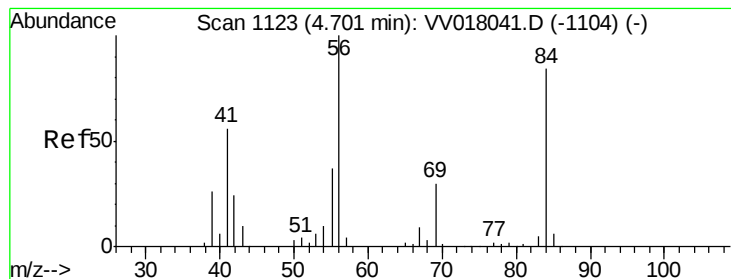
Tot Ion: 83 Resp: 186617
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 48.784 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Tgt Ion: 62 Resp: 146576
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 48.753 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :
MSVOA_V
ClientSampleId :

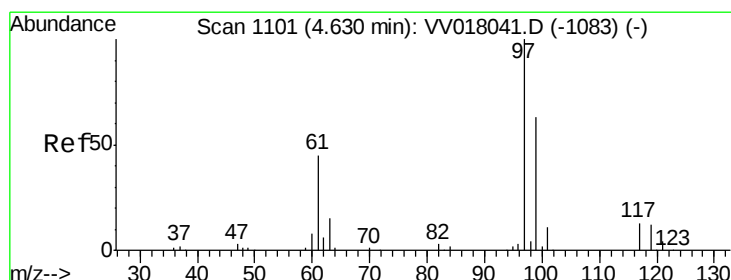
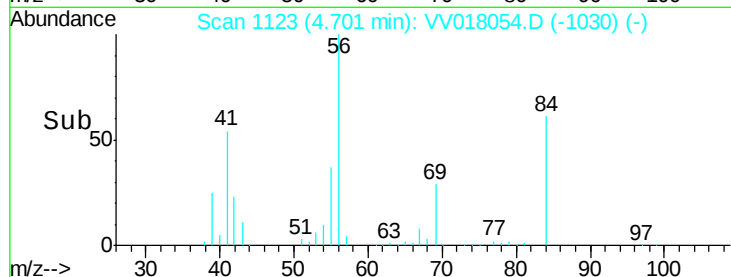
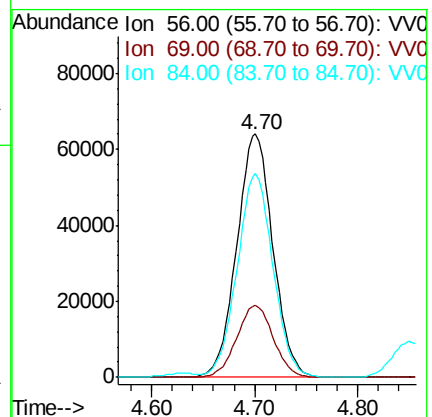
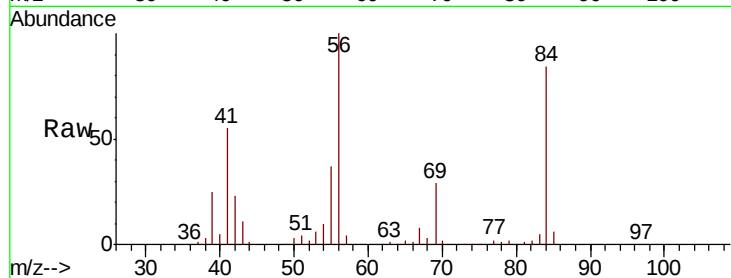
Tot Ion: 56 Resp: 155773

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

84 83.7 66.8 100.2



#30

1,1,1-Trichloroethane

Concen: 48.433 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

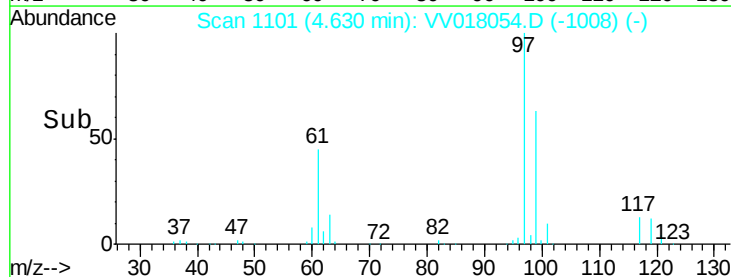
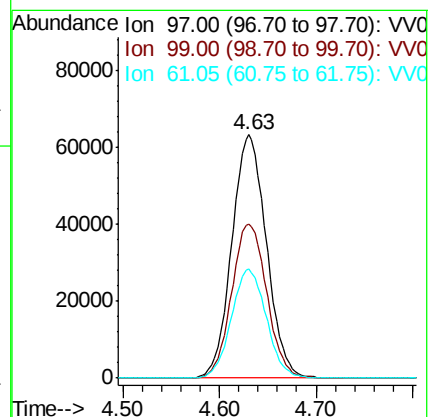
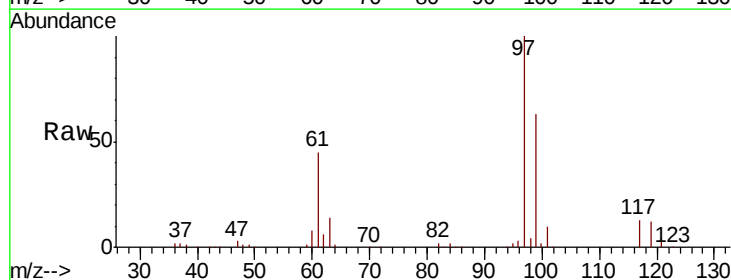
Tgt Ion: 97 Resp: 157124

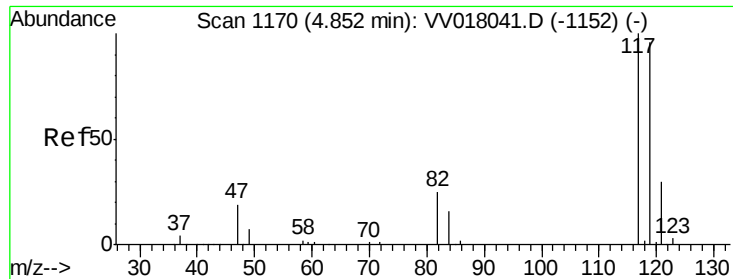
Ion Ratio Lower Upper

97 100

99 64.3 50.6 76.0

61 45.2 37.0 55.6





#31

Carbon tetrachloride

Concen: 49.846 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

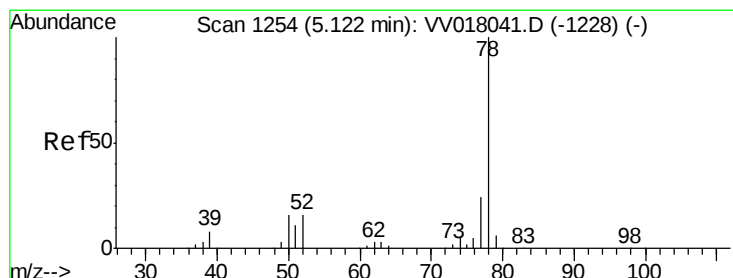
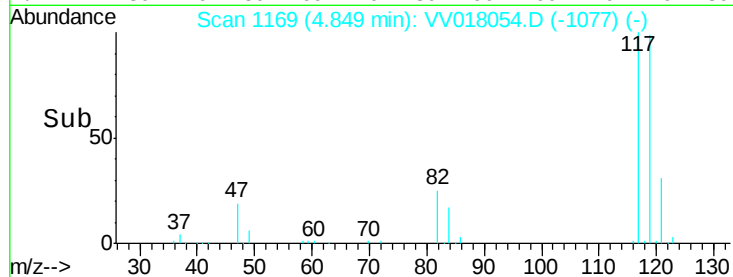
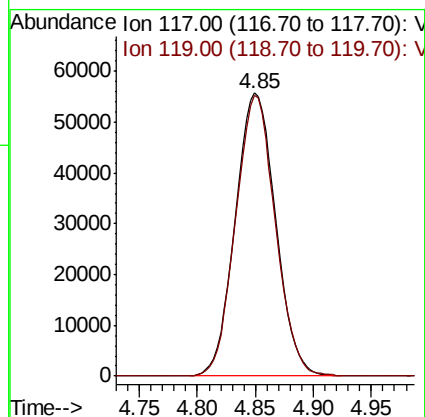
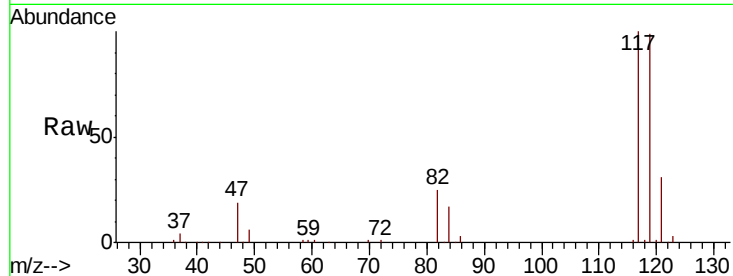
ClientSampleId :

Tot Ion:117 Resp: 134619

Ion Ratio Lower Upper

117 100

119 97.7 77.0 115.6



#33

Benzene

Concen: 48.425 ug/L

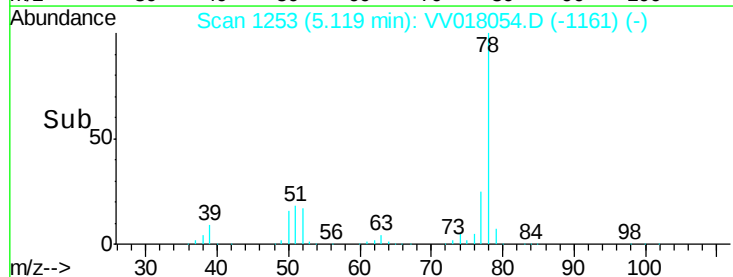
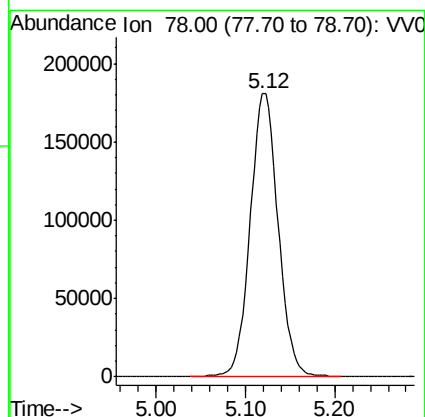
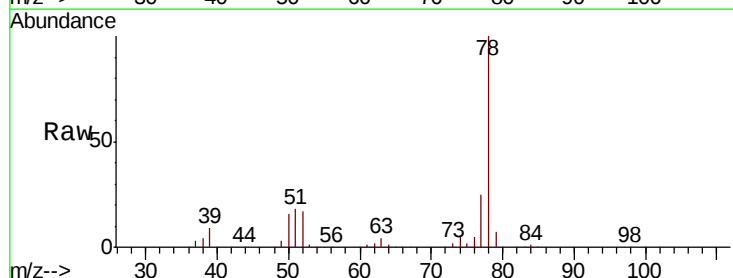
RT: 5.12 min Scan# 1253

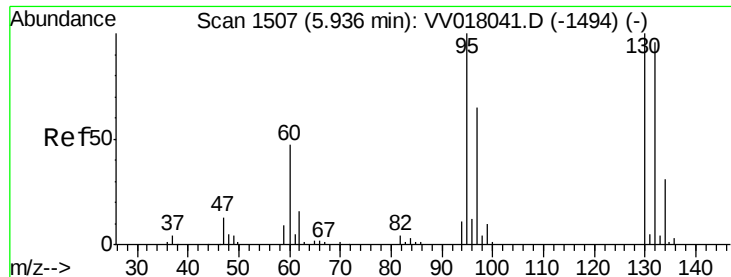
Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Tgt Ion: 78 Resp: 396618





#34

Trichloroethene

Concen: 48.742 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 105525

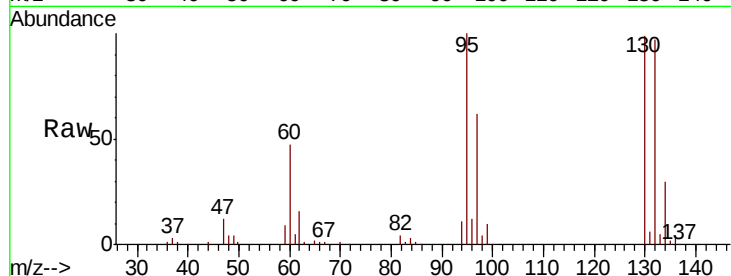
Ion Ratio Lower Upper

95 100

97 61.9 46.0 85.4

132 96.5 65.8 122.2

130 98.6 69.2 128.6



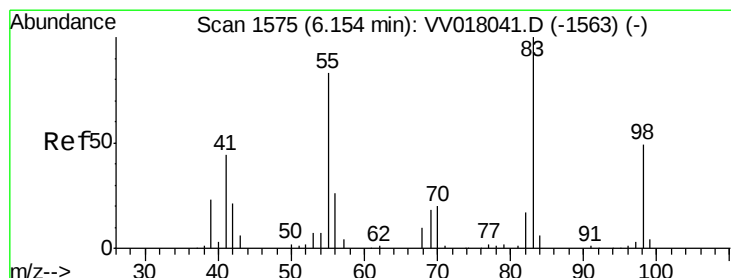
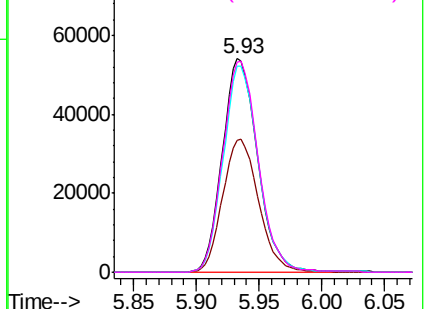
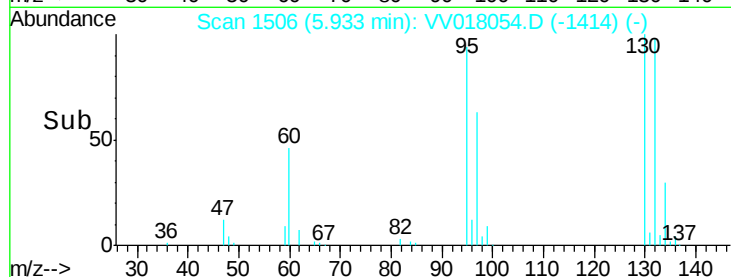
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 48.977 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

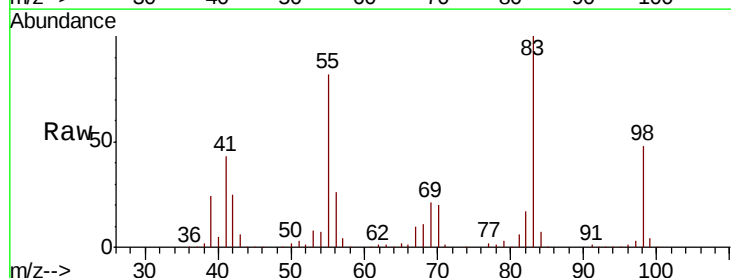
Tgt Ion: 83 Resp: 157670

Ion Ratio Lower Upper

83 100

55 81.6 64.9 97.3

98 48.3 38.7 58.1

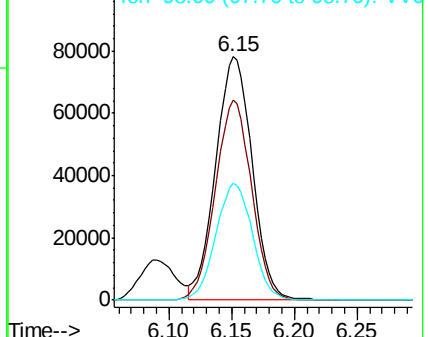
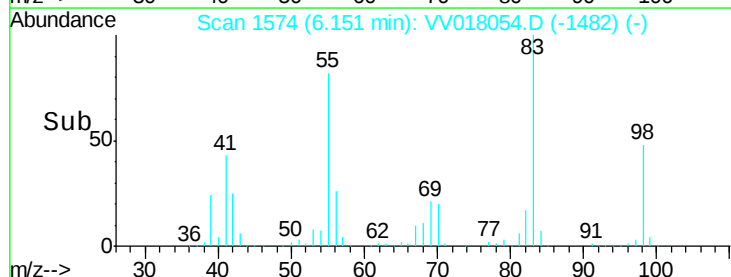


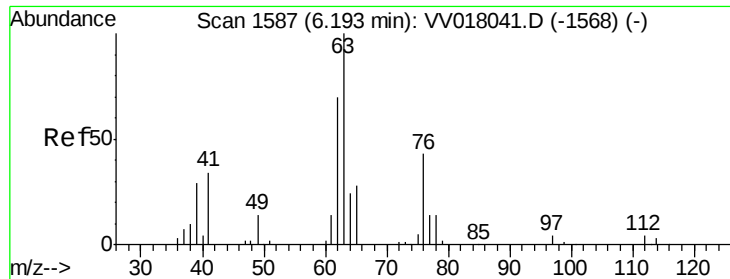
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

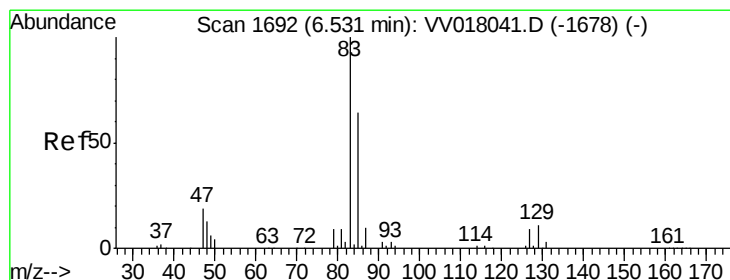
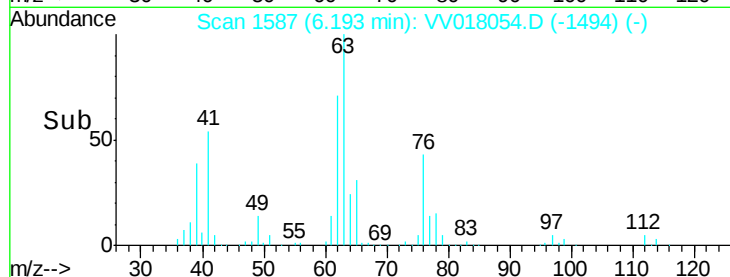
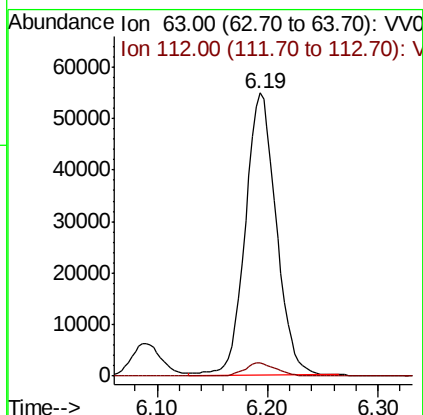
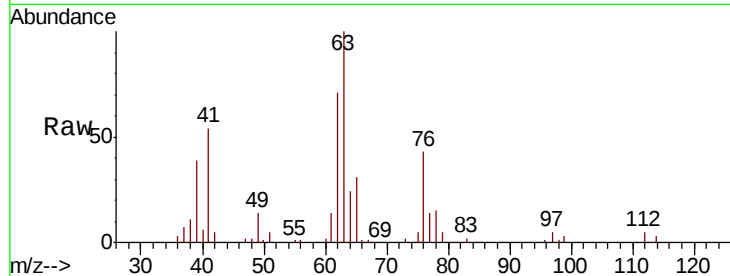




#37
 1,2-Dichloropropane
 Concen: 47.613 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018054.D
 Acq: 18 Aug 2020 16:56

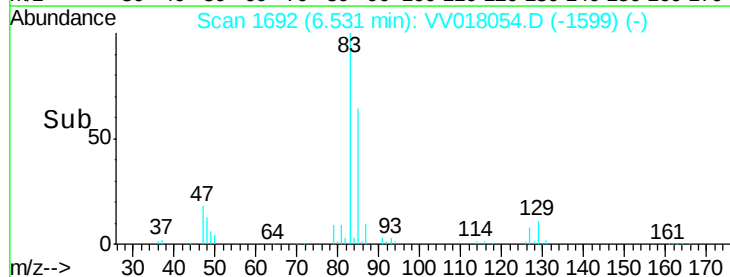
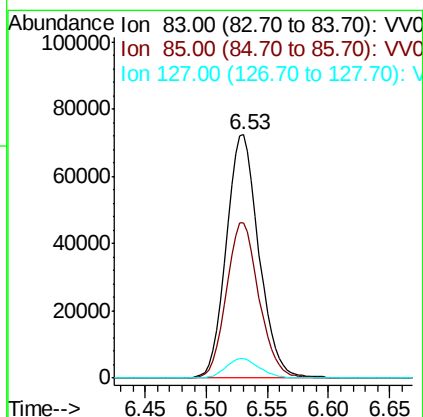
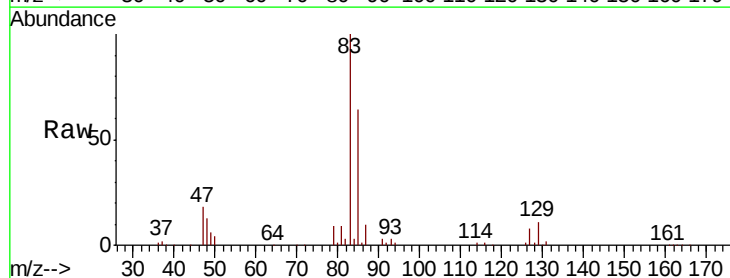
Instrument :
 MSVOA_V
 ClientSampleId :

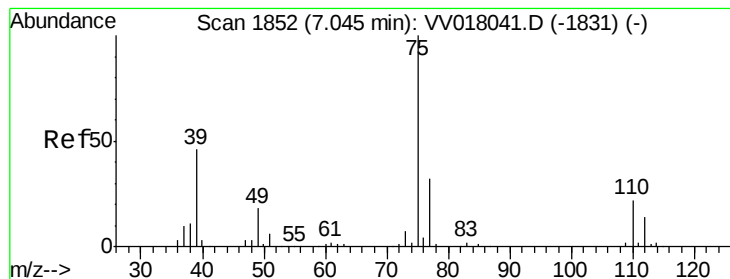
Tot Ion: 63 Resp: 106349
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.859 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018054.D
 Acq: 18 Aug 2020 16:56

Tgt Ion: 83 Resp: 135554
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.3 82.3
 127 8.3 6.5 9.7



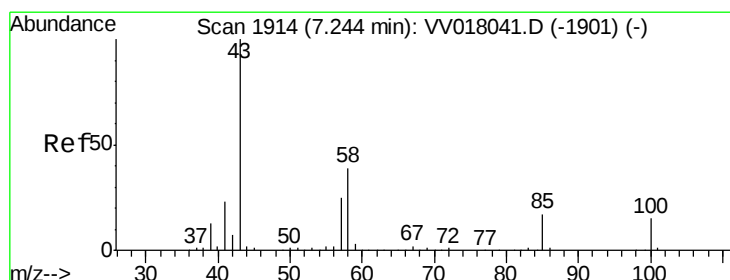
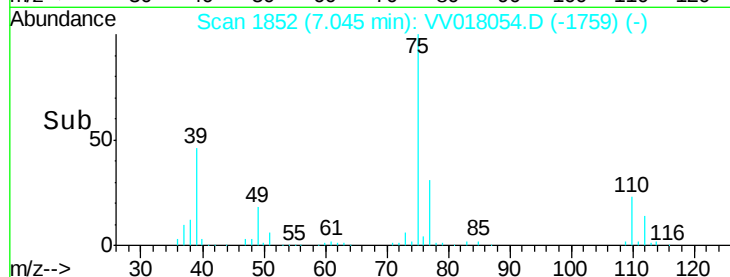
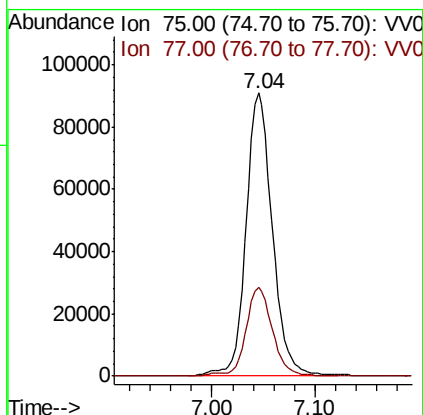
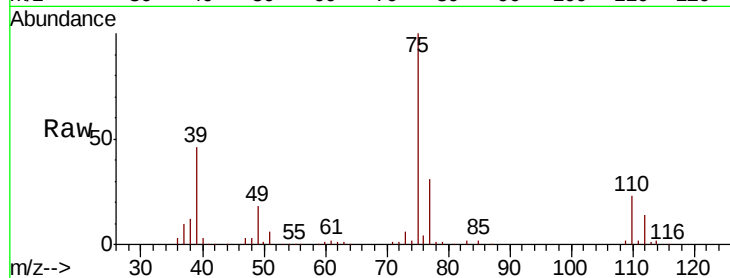


#39

cis-1,3-Dichloropropene
 Concen: 50.898 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018054.D
 Acq: 18 Aug 2020 16:56

Instrument :
 MSVOA_V
 ClientSampled :

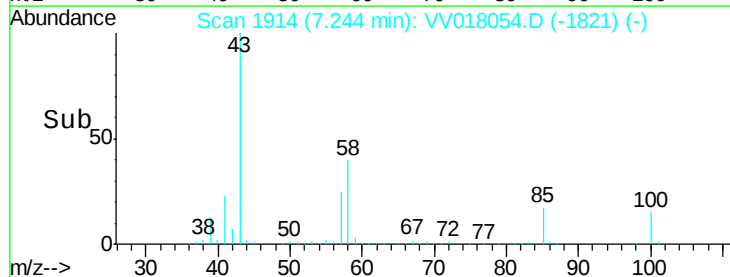
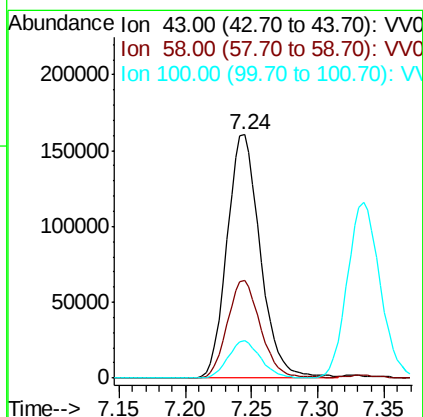
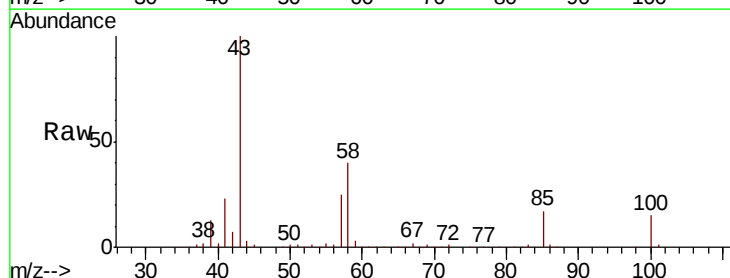
Tot Ion: 75 Resp: 161164
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5

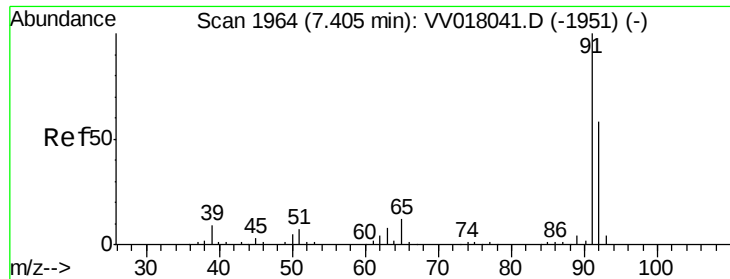


#40

4-Methyl-2-pentanone
 Concen: 95.992 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018054.D
 Acq: 18 Aug 2020 16:56

Tgt Ion: 43 Resp: 280288
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.9 47.9
 100 15.1 12.2 18.2





#42

Toluene

Concen: 49.265 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

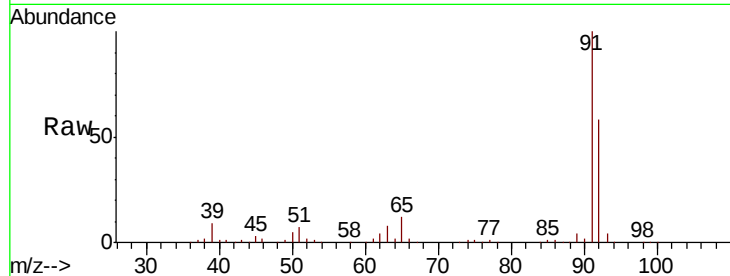
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 421045

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV018041.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018041.D (-1951) (-)

7.41

250000

200000

150000

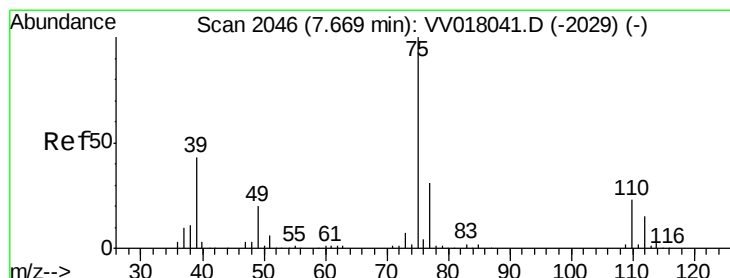
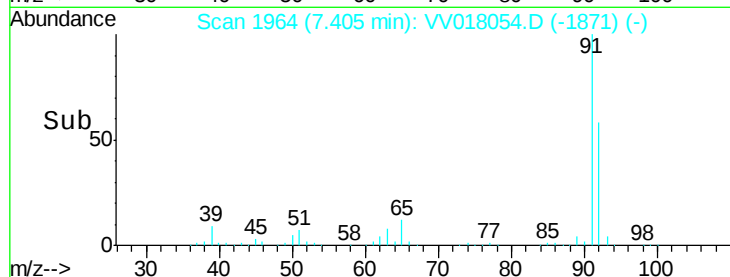
100000

50000

0

Time-->

7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 52.514 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018054.D

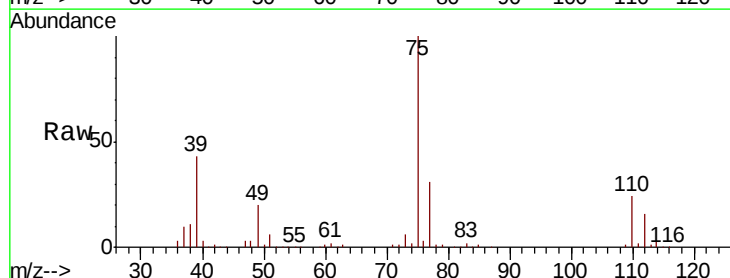
Acq: 18 Aug 2020 16:56

Tgt Ion: 75 Resp: 157770

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018041.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018041.D (-2029) (-)

7.67

100000

80000

60000

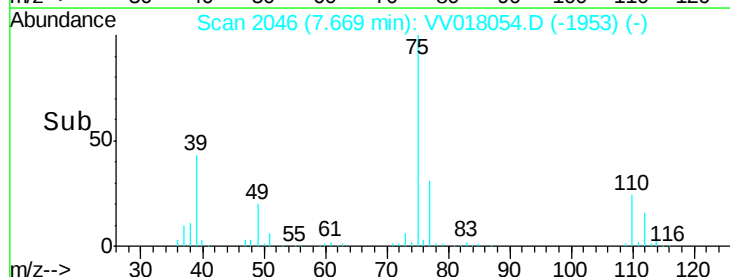
40000

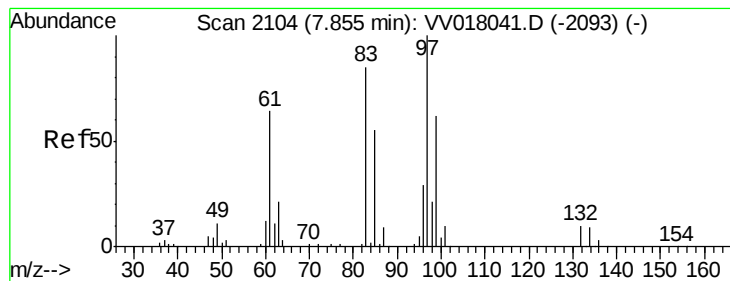
20000

0

Time-->

7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 48.008 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 99305

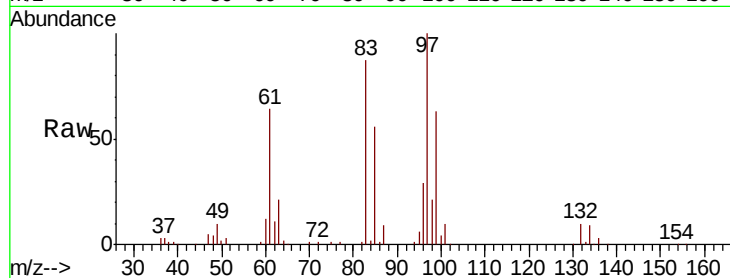
Ion Ratio Lower Upper

97 100

99 63.1 44.2 82.2

83 86.6 61.0 113.4

85 56.0 39.5 73.4

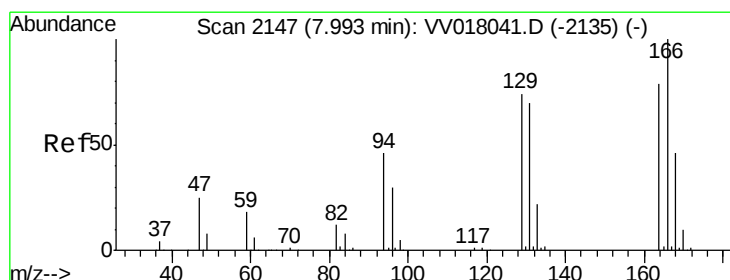
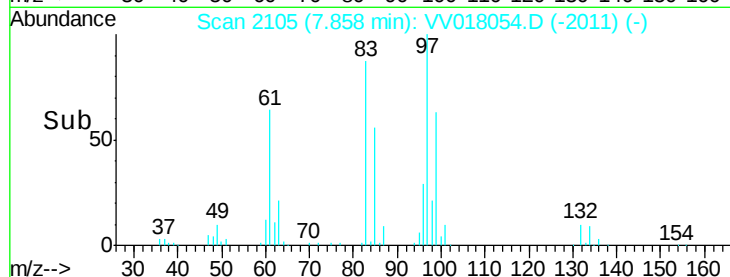
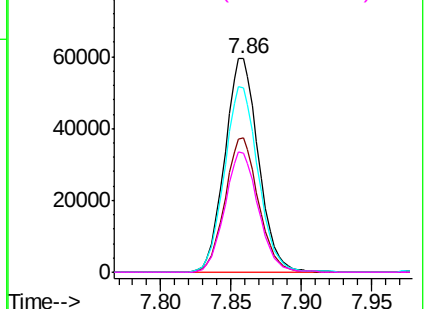


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 51.261 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Tgt Ion: 164 Resp: 81390

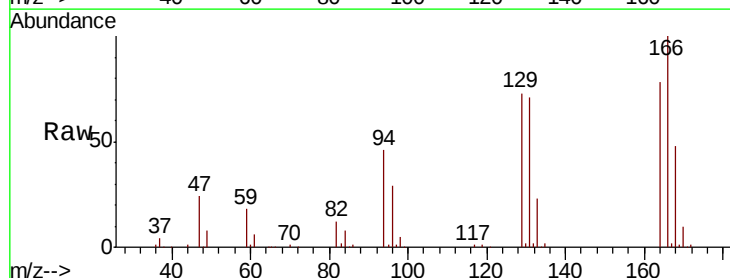
Ion Ratio Lower Upper

164 100

129 93.9 64.8 120.3

131 90.6 64.5 119.9

166 128.4 88.9 165.1

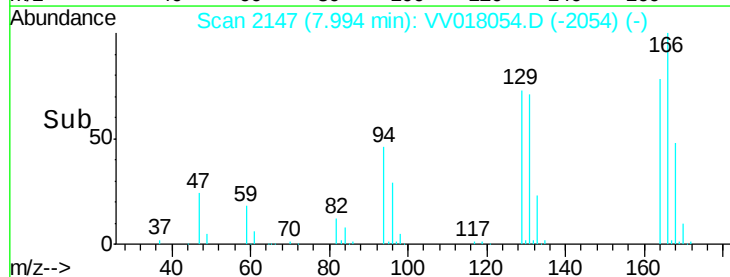
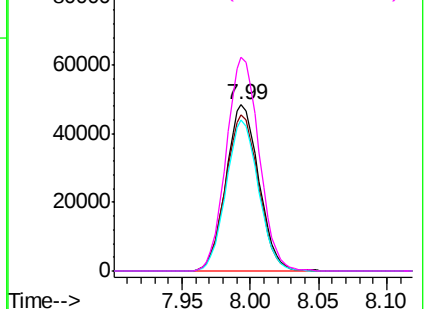


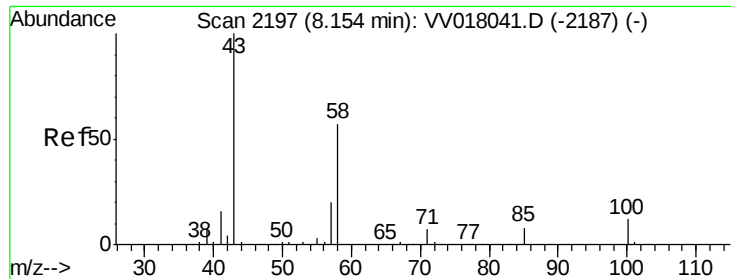
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

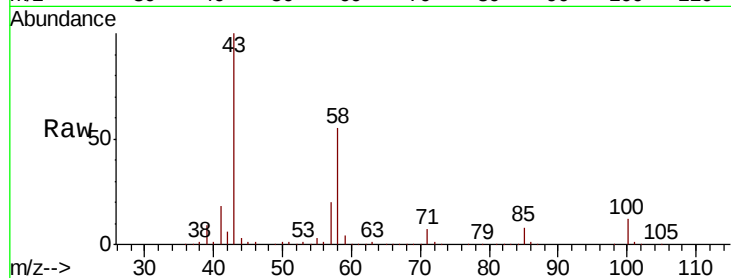




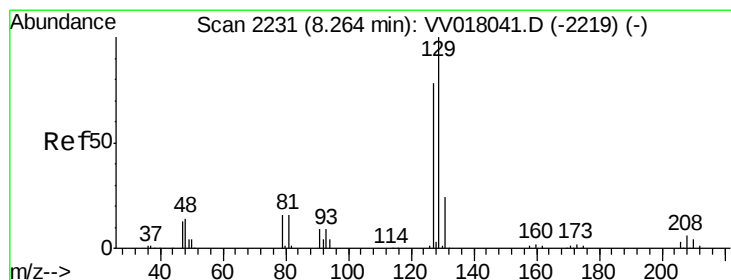
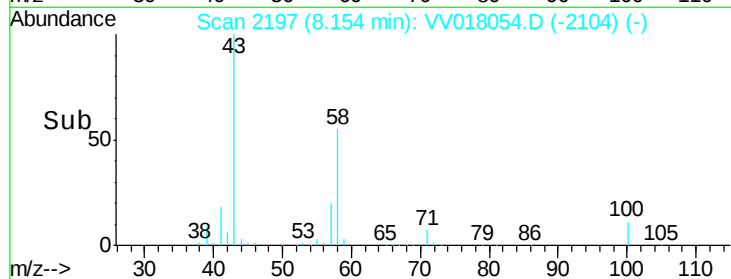
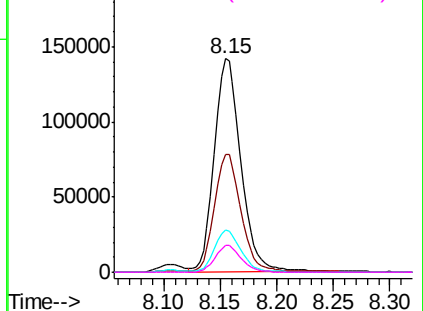
#48
2-Hexanone
Concen: 98.311 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 231481
Ion Ratio Lower Upper
43 100
58 55.7 44.4 66.6
57 19.5 15.2 22.8
100 12.3 9.8 14.6

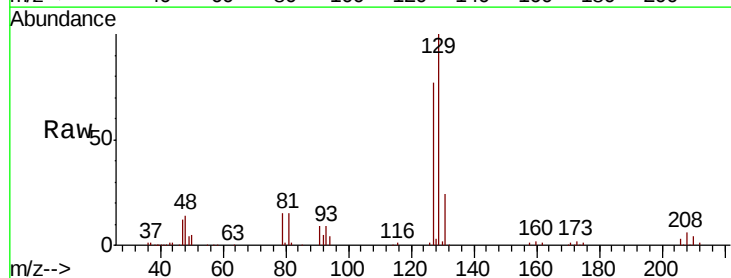


Abundance Ion 43.00 (42.70 to 43.70): VV018054.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV018054.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV018054.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV018054.D (-2104) (-)

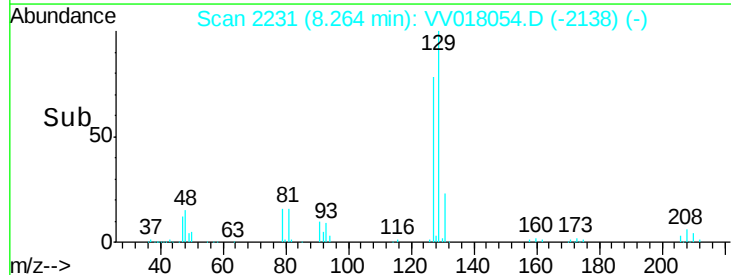
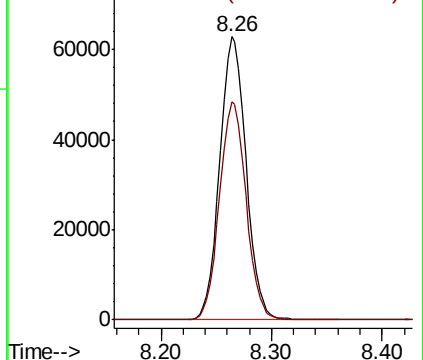


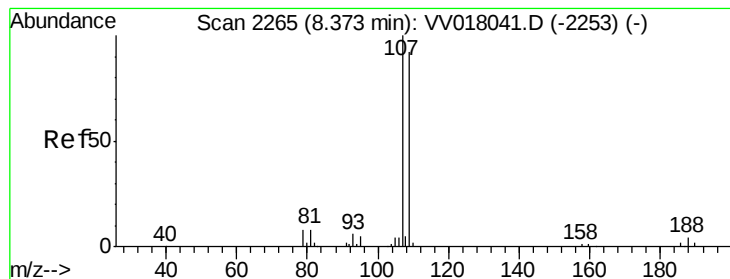
#49
Dibromochloromethane
Concen: 51.717 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Tgt Ion: 129 Resp: 104418
Ion Ratio Lower Upper
129 100
127 76.9 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018054.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV018054.D (-2138) (-)





#50

1,2-Dibromoethane

Concen: 48.968 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :
MSVOA_V
ClientSampleId :

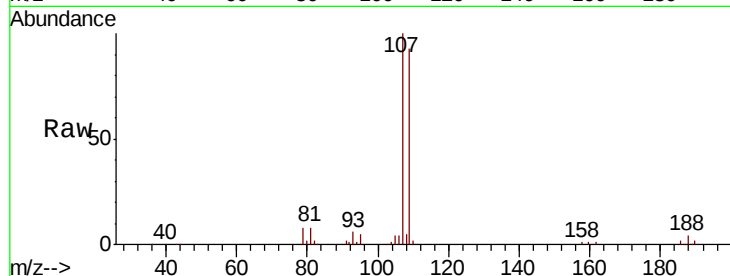
Tot Ion:107 Resp: 104798

Ion Ratio Lower Upper

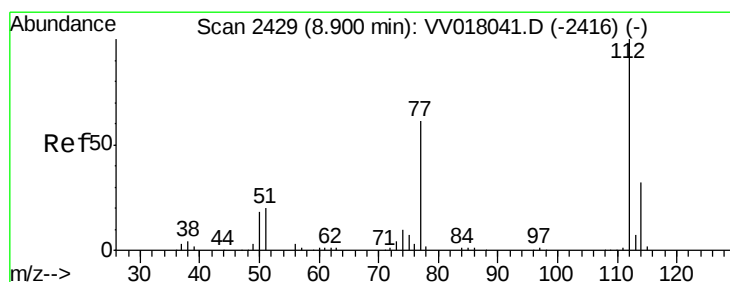
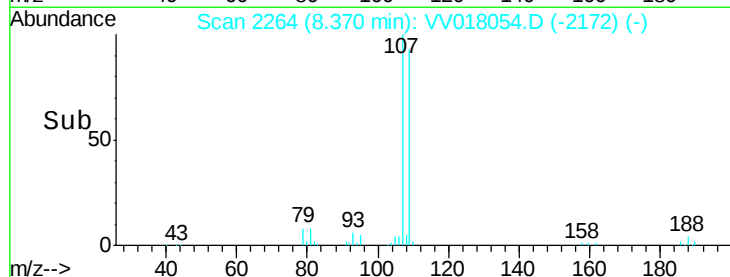
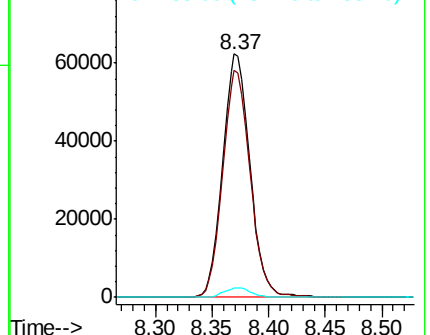
107 100

109 93.5 67.5 125.4

188 3.8 3.4 5.0



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



#51

Chlorobenzene

Concen: 49.642 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

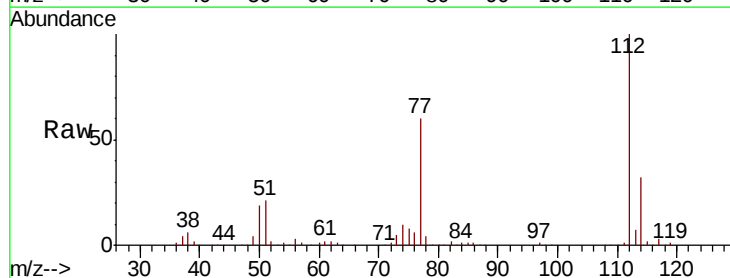
Tgt Ion:112 Resp: 272868

Ion Ratio Lower Upper

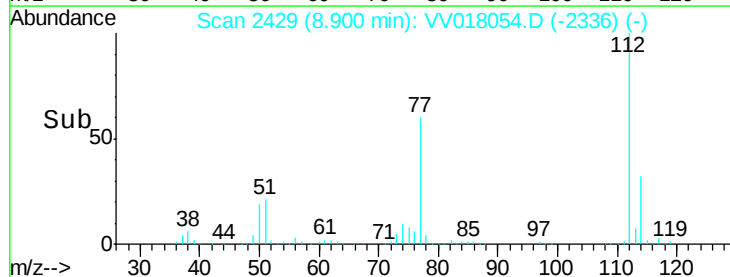
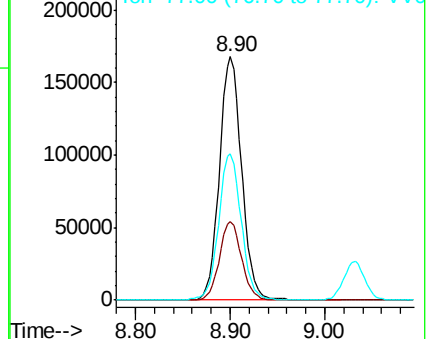
112 100

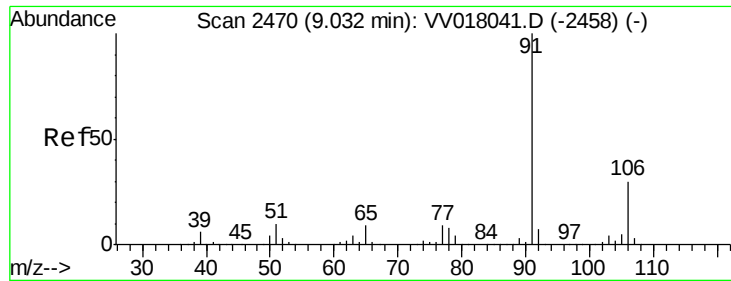
114 32.4 22.7 42.3

77 60.1 49.4 74.2



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





#52

Ethylbenzene

Concen: 49.945 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

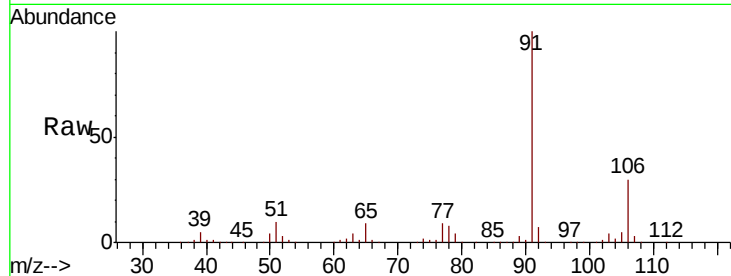
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 465430

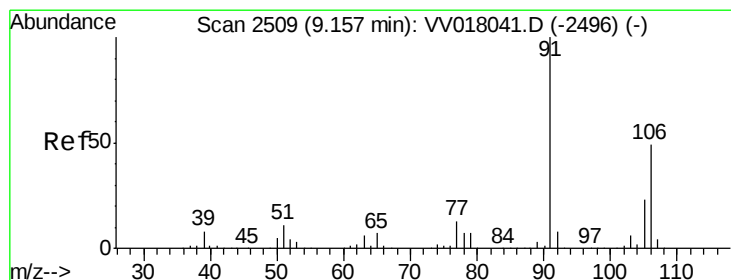
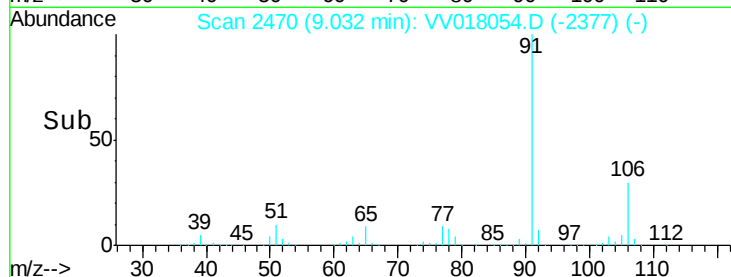
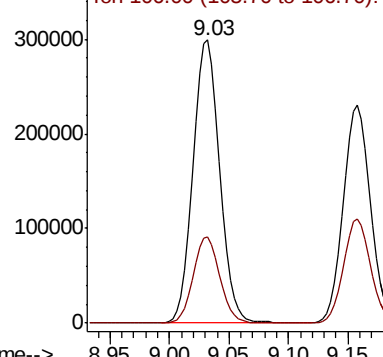
Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018054.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.603 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018054.D

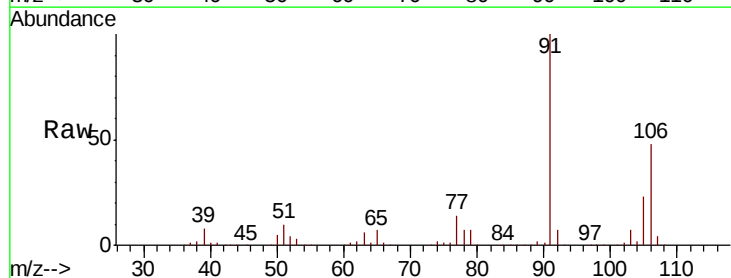
Acq: 18 Aug 2020 16:56

Tgt Ion: 106 Resp: 173437

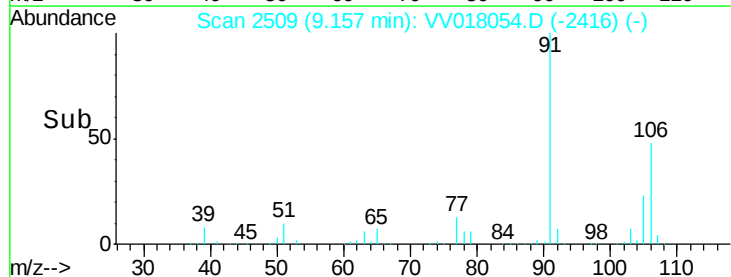
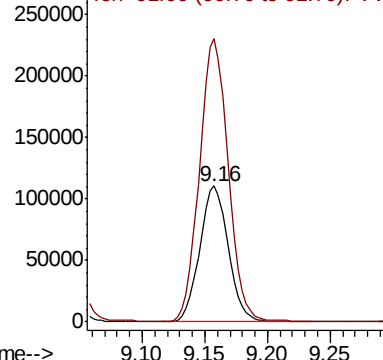
Ion Ratio Lower Upper

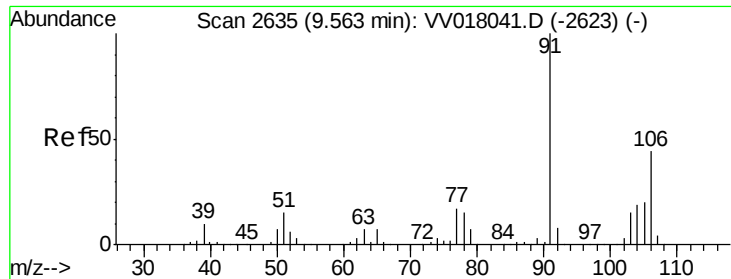
106 100

91 208.6 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018054.D (-2416) (-)

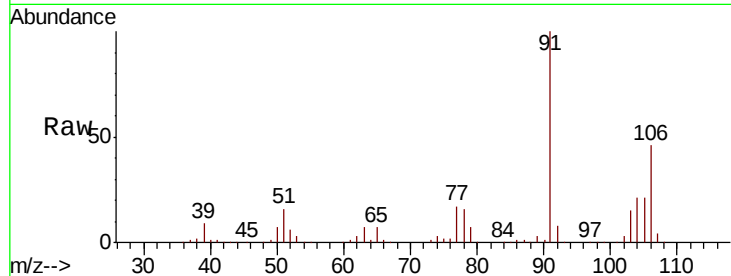




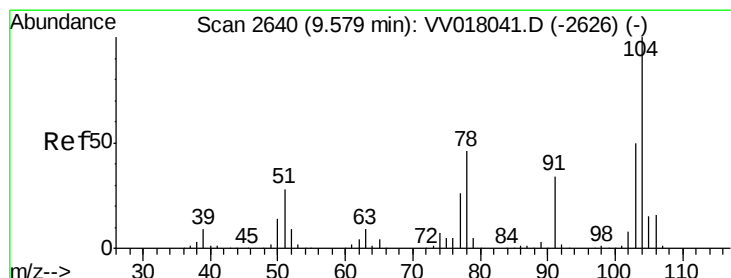
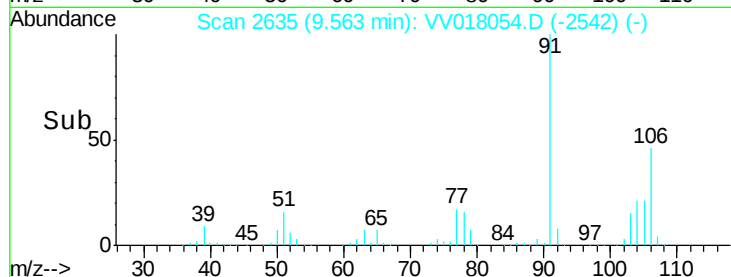
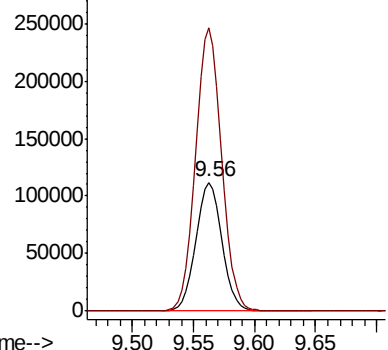
#54
o-xylene
Concen: 49.920 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 169082
Ion Ratio Lower Upper
106 100
91 219.5 156.0 289.8

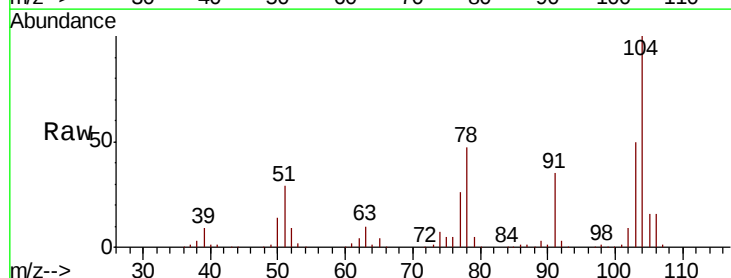


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

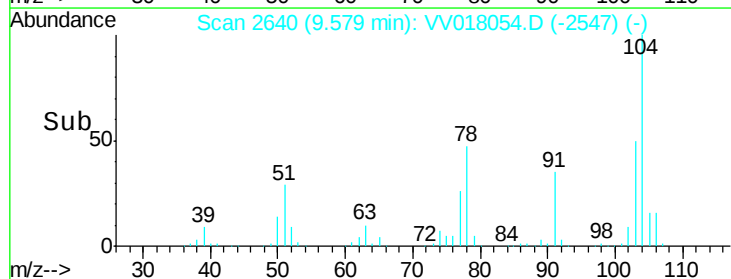
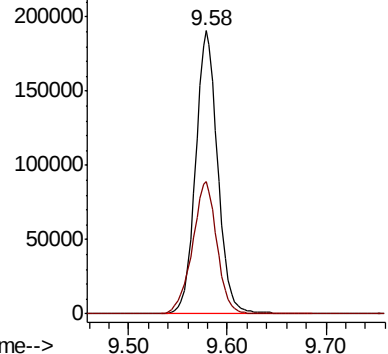


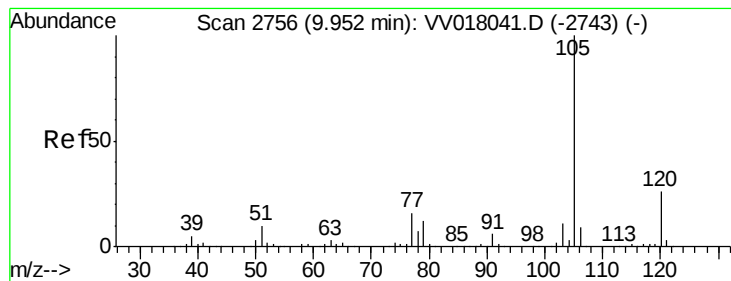
#55
Styrene
Concen: 51.777 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018054.D
Acq: 18 Aug 2020 16:56

Tgt Ion:104 Resp: 300322
Ion Ratio Lower Upper
104 100
78 46.6 32.2 59.8



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





#56

Isopropylbenzene

Concen: 51.312 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

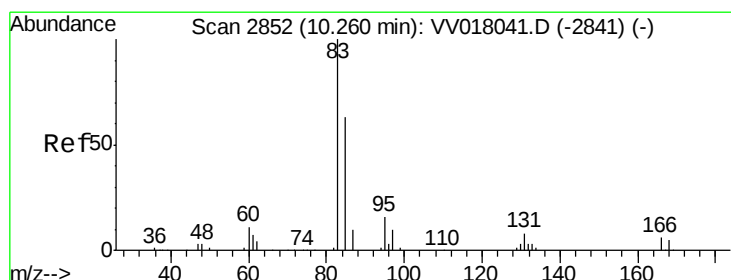
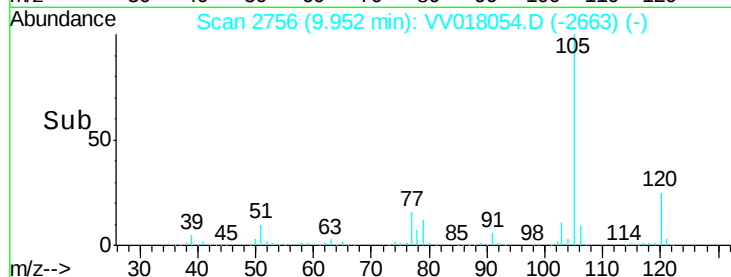
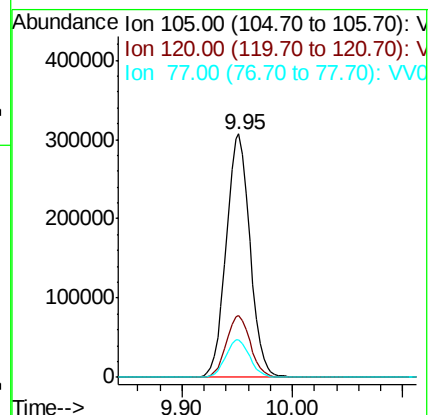
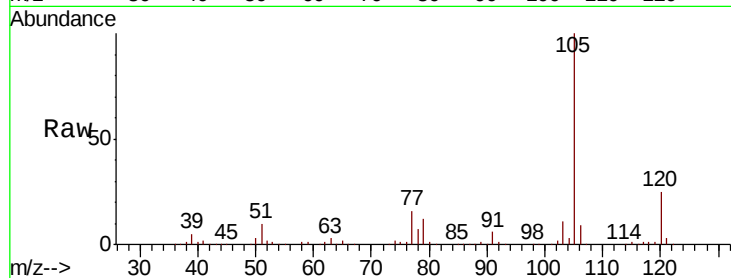
Tot Ion:105 Resp: 458490

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 15.7 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 46.675 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

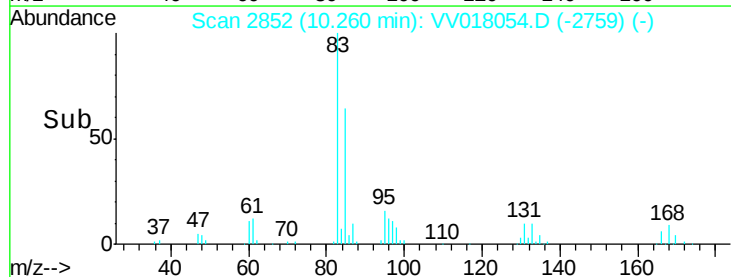
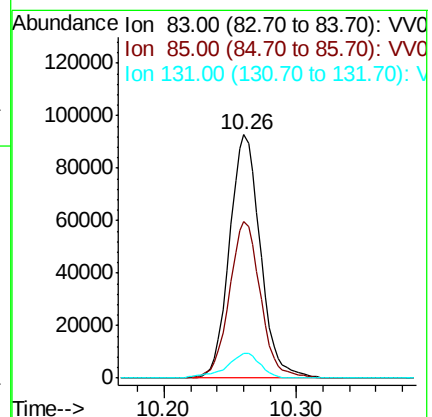
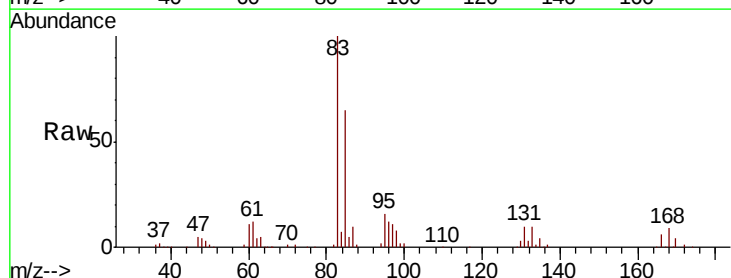
Tgt Ion: 83 Resp: 150344

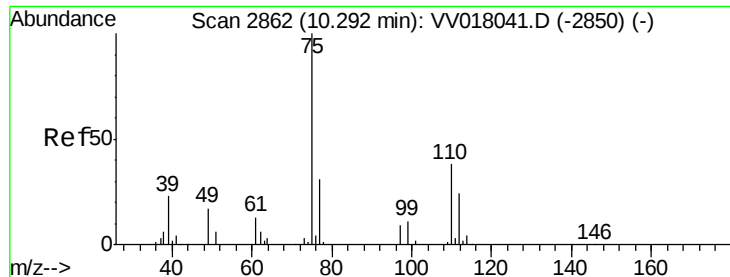
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

131 10.2 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 47.201 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

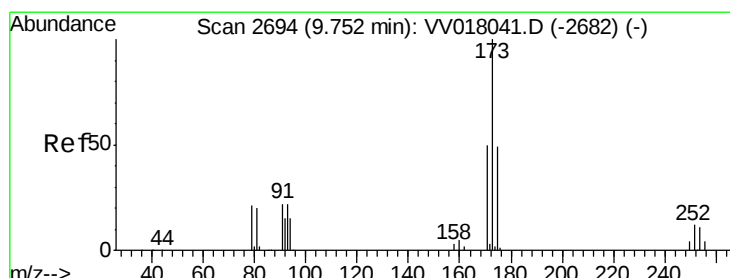
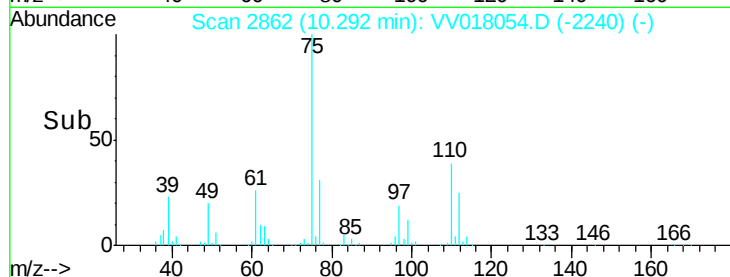
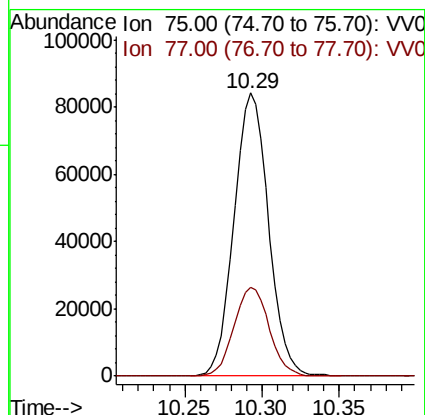
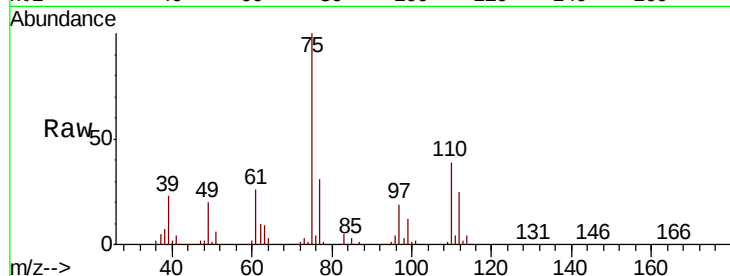
ClientSampled :

Tot Ion: 75 Resp: 130207

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 51.918 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

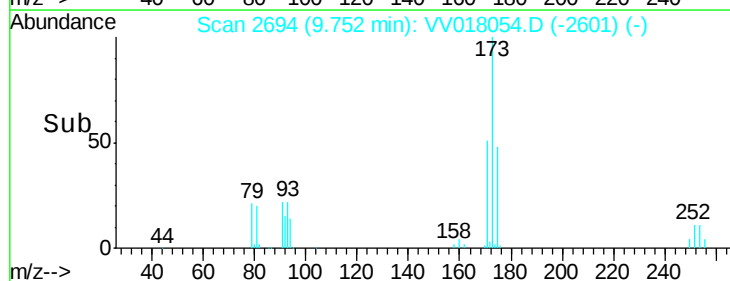
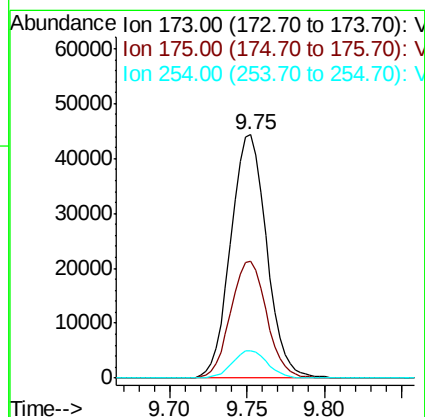
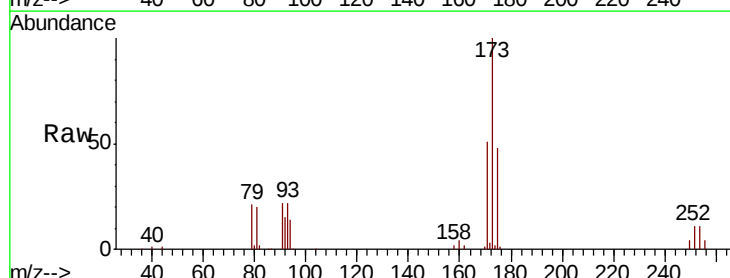
Tgt Ion: 173 Resp: 71497

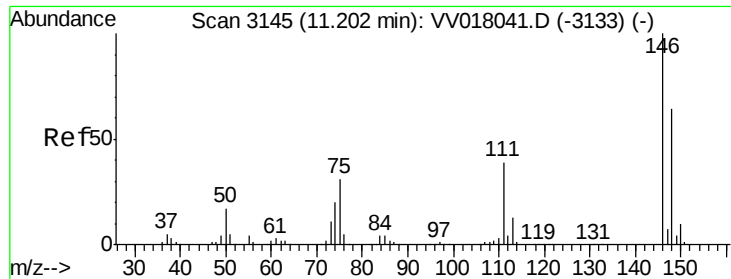
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 10.9 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 49.046 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

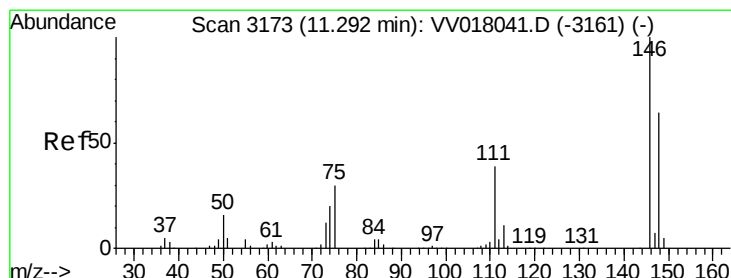
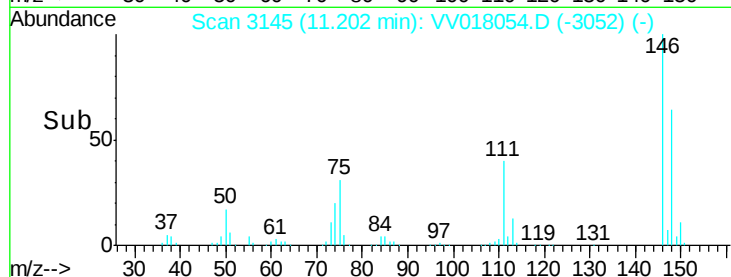
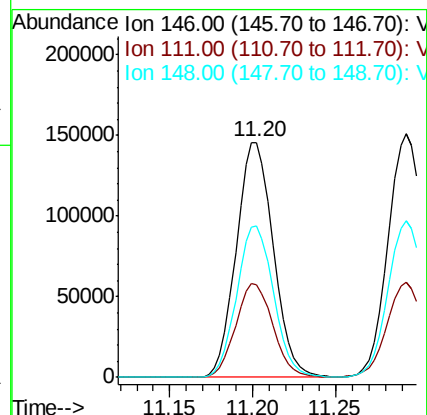
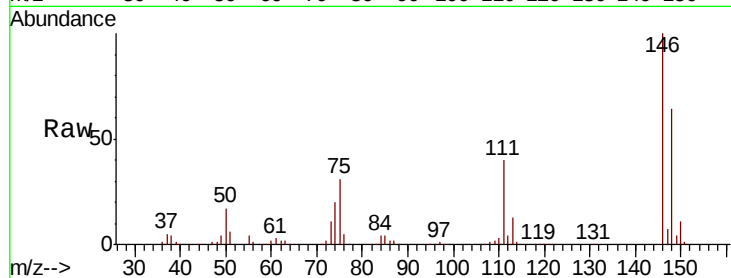
Tot Ion:146 Resp: 226990

Ion Ratio Lower Upper

146 100

111 39.6 28.8 53.4

148 64.3 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 48.937 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

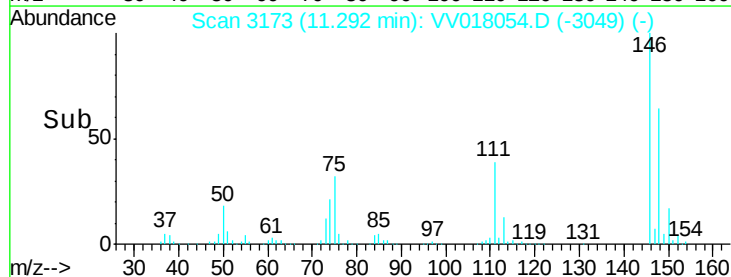
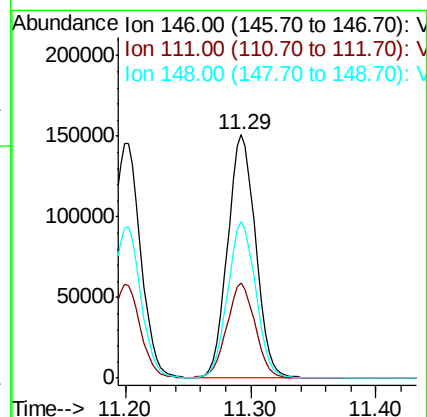
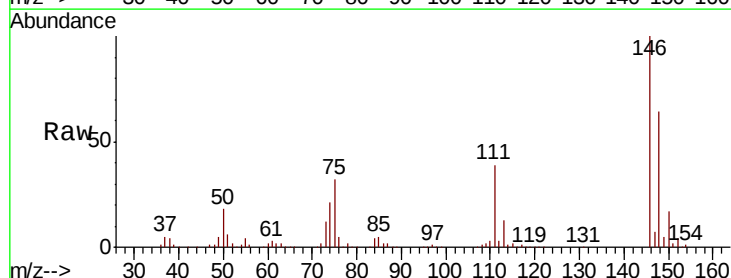
Tgt Ion:146 Resp: 232667

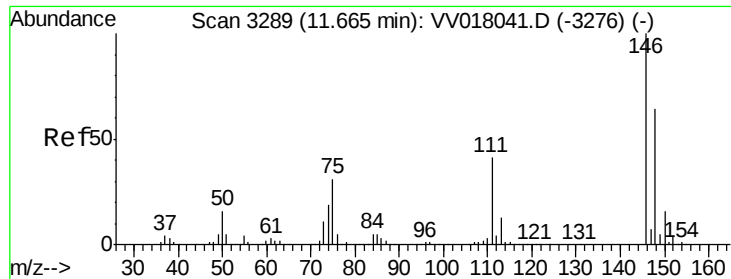
Ion Ratio Lower Upper

146 100

111 38.9 28.0 52.0

148 64.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 47.986 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

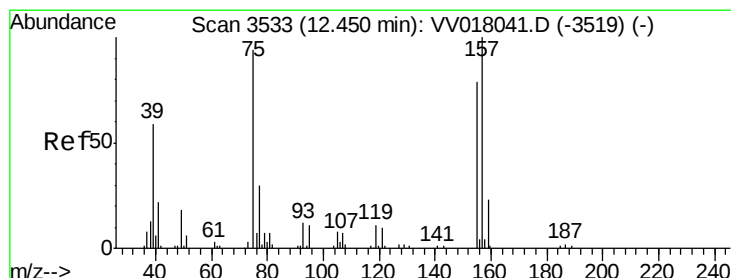
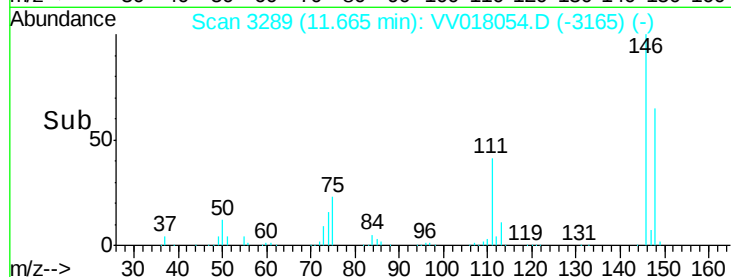
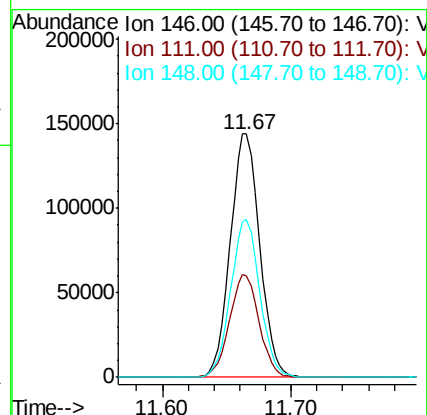
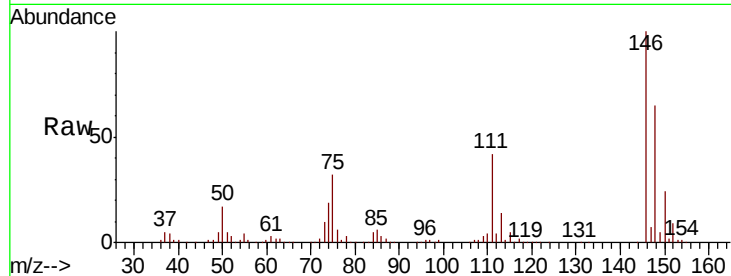
Tot Ion:146 Resp: 228587

Ion Ratio Lower Upper

146 100

111 41.8 34.2 51.4

148 64.7 50.6 76.0



#66

1,2-Dibromo-3-chloropropane

Concen: 45.948 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

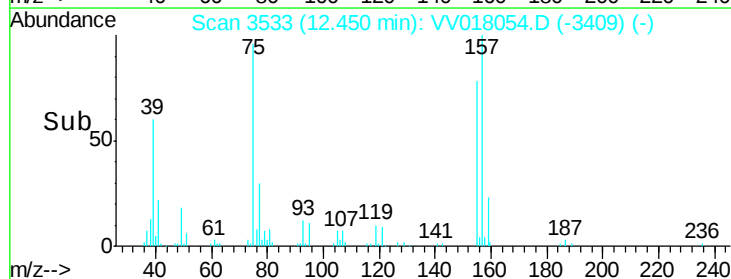
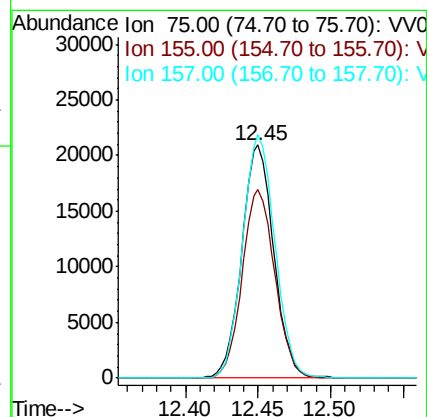
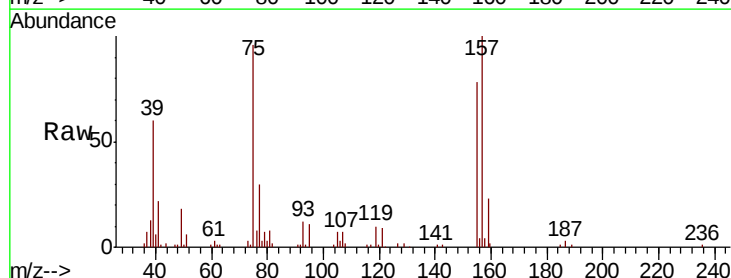
Tgt Ion: 75 Resp: 32249

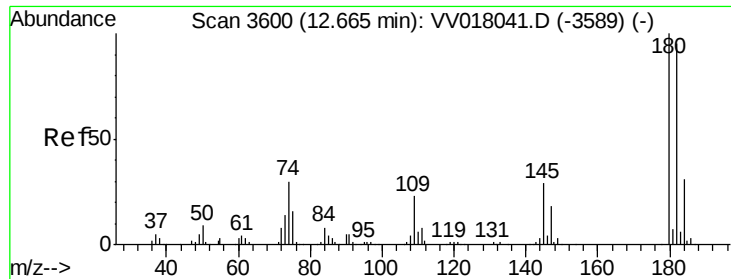
Ion Ratio Lower Upper

75 100

155 81.0 67.6 101.4

157 104.4 84.3 126.5

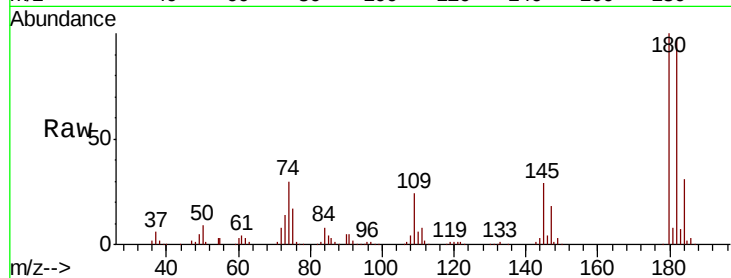




#67
 1,3,5-Trichlorobenzene
 Concen: 50.805 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018054.D
 Acq: 18 Aug 2020 16:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
184	31.1	24.6	36.8
145	29.4	23.5	35.3

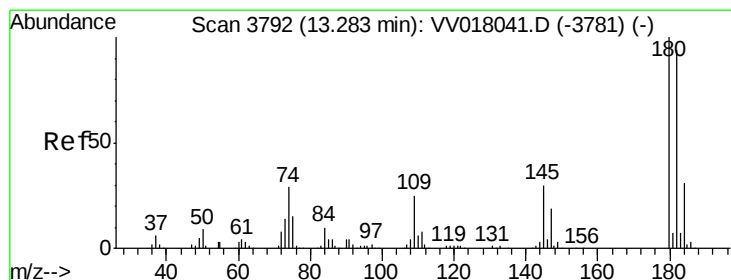
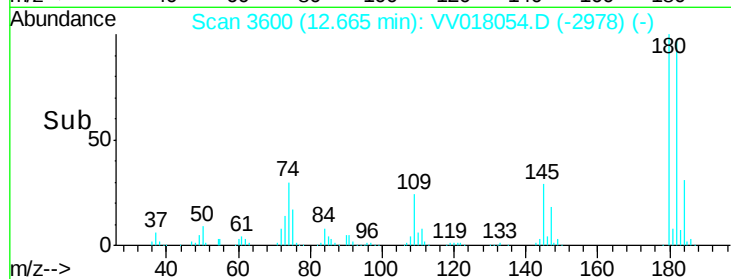
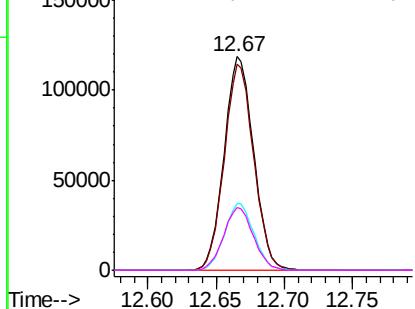


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

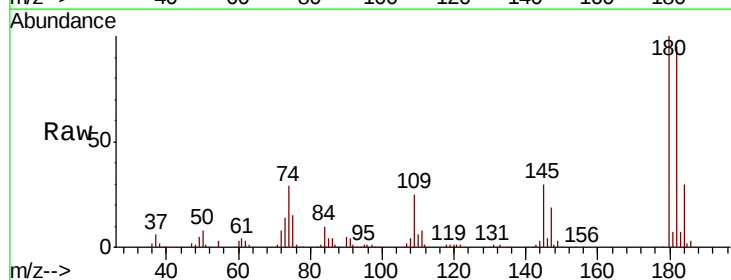
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.434 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018054.D
 Acq: 18 Aug 2020 16:56

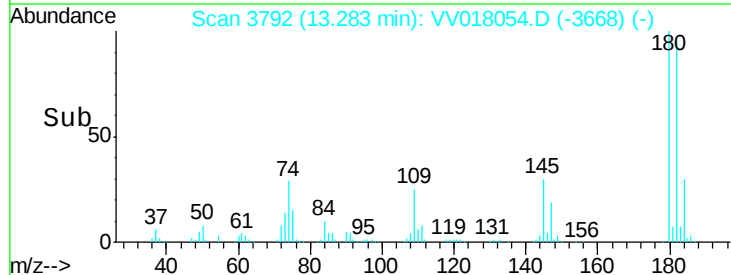
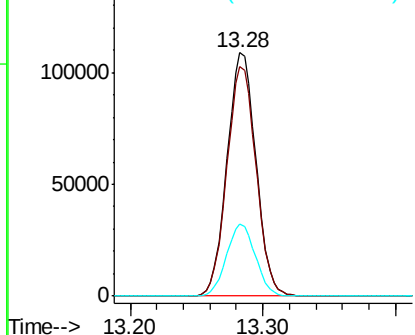
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	29.5	24.0	36.0

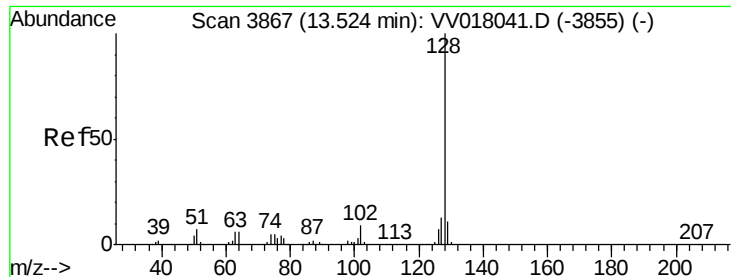


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.204 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

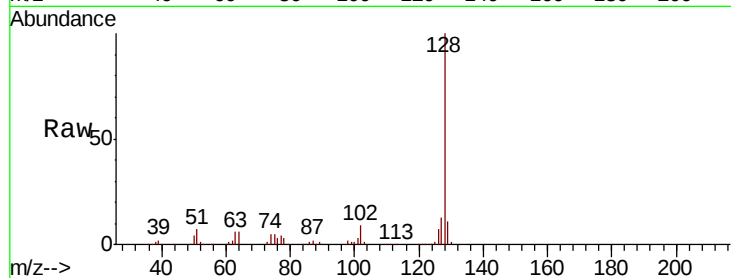
Tot Ion:128 Resp: 436244

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

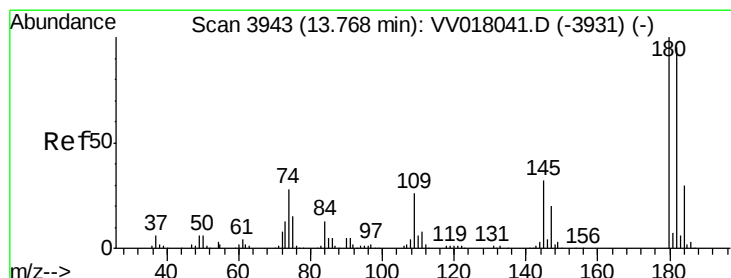
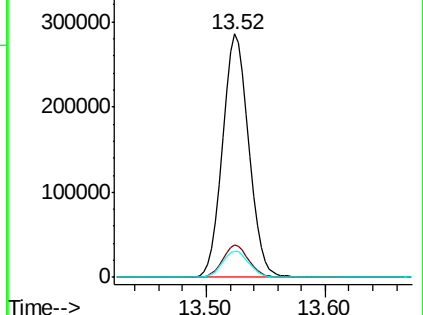
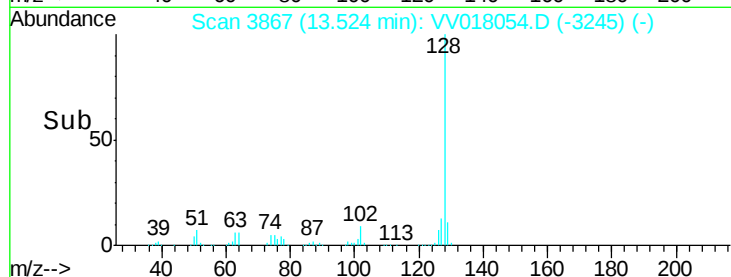
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.050 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018054.D

Acq: 18 Aug 2020 16:56

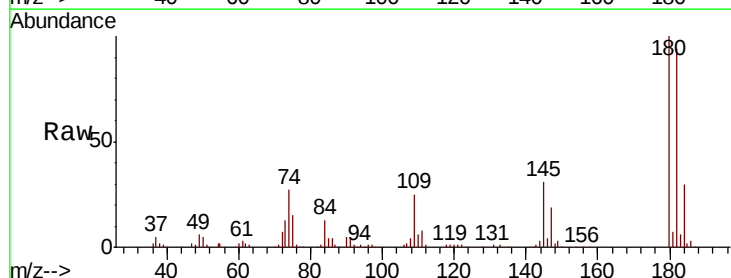
Tgt Ion:180 Resp: 166758

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 31.4 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

