

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082020\
 Data File : VV018066.D
 Acq On : 20 Aug 2020 12:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 21 02:41:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 14:27:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	274866	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	270162	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149141	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107737	51.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.74%
7) Chloroethane-d5	1.58	69	90019	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.94%
11) 1,1-Dichloroethene-d2	2.12	63	204986	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.20%
21) 2-Butanone-d5	3.91	46	129223	94.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.08%
24) Chloroform-d	4.37	84	195434	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
26) 1,2-Dichloroethane-d4	5.05	65	125886	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
32) Benzene-d6	5.07	84	383875	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
36) 1,2-Dichloropropane-d6	6.09	67	122265	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.33	98	354503	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%
43) trans-1,3-Dichloropropene-	7.64	79	60123	54.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.92%
47) 2-Hexanone-d5	8.11	63	74648	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	153516	48.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	145288	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	96884	45.656	ug/L	100
3) Chloromethane	1.25	50	109110	44.263	ug/L	99
5) Vinyl chloride	1.32	62	113151	46.329	ug/L	99
6) Bromomethane	1.53	94	69126	47.356	ug/L	100
8) Chloroethane	1.60	64	74452	47.761	ug/L	100
9) Trichlorofluoromethane	1.77	101	165751	47.510	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96953	49.771	ug/L	98
12) 1,1-Dichloroethene	2.13	96	90632	49.155	ug/L	95
13) Acetone	2.19	43	152044	107.168	ug/L	99
14) Carbon disulfide	2.31	76	241440	47.577	ug/L	100
15) Methyl Acetate	2.45	43	103205	45.076	ug/L	100
16) Methylene chloride	2.52	84	108837	46.334	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	94597	49.911	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	311755	49.737	ug/L	100
19) 1,1-Dichloroethane	3.21	63	184970	48.536	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	105079	50.452	ug/L	99
22) 2-Butanone	3.99	43	166097	104.358	ug/L	100

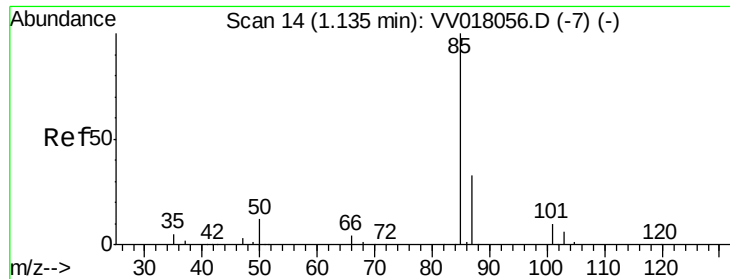
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082020\
 Data File : VV018066.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 14:27:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54477	50.069	ug/L	98
25) Chloroform	4.40	83	192347	49.484	ug/L	99
27) 1,2-Dichloroethane	5.15	62	151857	49.082	ug/L	98
29) Cyclohexane	4.70	56	158651	48.656	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	162091	48.960	ug/L	98
31) Carbon tetrachloride	4.85	117	139036	50.447	ug/L	99
33) Benzene	5.12	78	407728	48.781	ug/L	100
34) Trichloroethene	5.94	95	107148	48.497	ug/L	97
35) Methylcyclohexane	6.15	83	161342	49.111	ug/L	100
37) 1,2-Dichloropropane	6.19	63	109792	48.166	ug/L	100
38) Bromodichloromethane	6.53	83	142980	50.500	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	165995	51.370	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	280935	94.280	ug/L	100
42) Toluene	7.41	91	436220	50.015	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	165088	53.846	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	104099	49.314	ug/L	97
46) Tetrachloroethene	7.99	164	83624	51.609	ug/L	99
48) 2-Hexanone	8.15	43	237126	98.684	ug/L	100
49) Dibromochloromethane	8.26	129	109978	53.376	ug/L	99
50) 1,2-Dibromoethane	8.37	107	106382	48.709	ug/L	98
51) Chlorobenzene	8.90	112	281191	50.128	ug/L	98
52) Ethylbenzene	9.03	91	484308	50.927	ug/L	99
53) m,p-Xylene	9.16	106	179989	51.459	ug/L	97
54) o-xylene	9.56	106	175453	50.760	ug/L	98
55) Styrene	9.58	104	313248	52.920	ug/L	98
56) Isopropylbenzene	9.95	105	472072	51.770	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	156839	47.713	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	131393	46.674	ug/L	99
61) Bromoform	9.75	173	76498	54.209	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	238267	50.240	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	244454	50.175	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	237029	48.557	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	32558	45.269	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	191717	53.215	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	173953	54.919	ug/L	100
69) Naphthalene	13.52	128	454420	52.050	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	173191	53.767	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.656 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

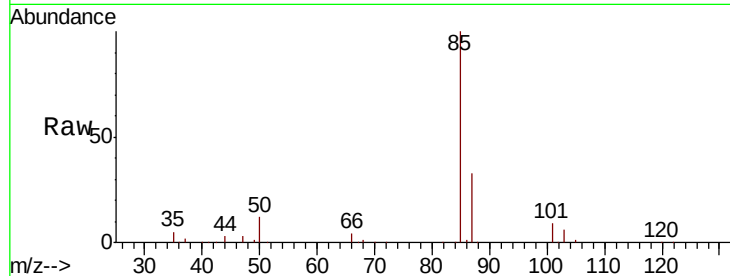
ClientSampled :

Tot Ion: 85 Resp: 96884

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018056.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018056.D (-7) (-)

1.14

120000

100000

80000

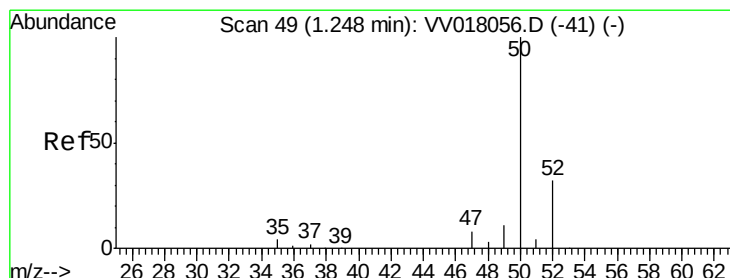
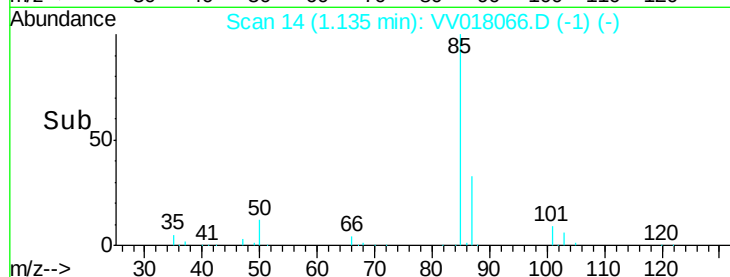
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 44.263 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018066.D

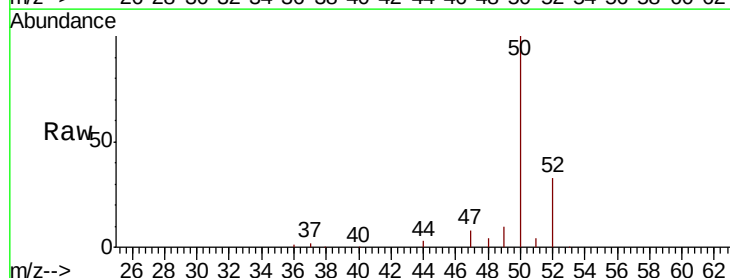
Acq: 20 Aug 2020 12:32

Tgt Ion: 50 Resp: 109110

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018056.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018056.D (-41) (-)

1.25

120000

100000

80000

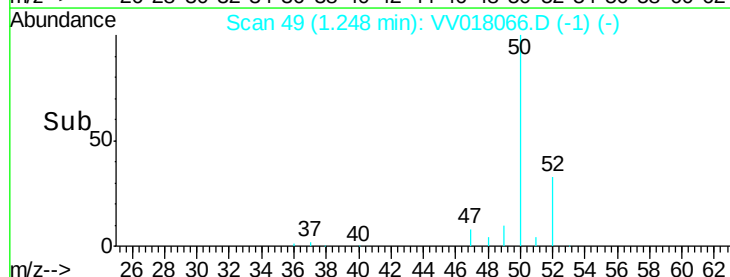
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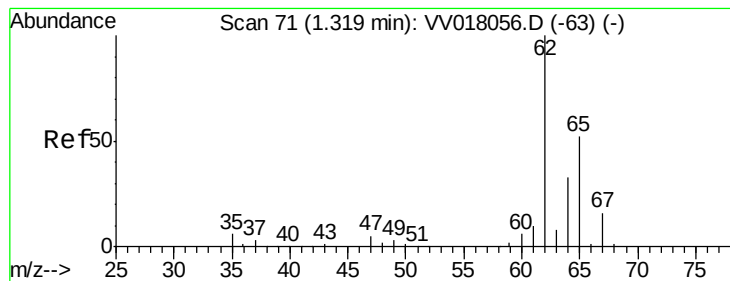
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 46.329 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

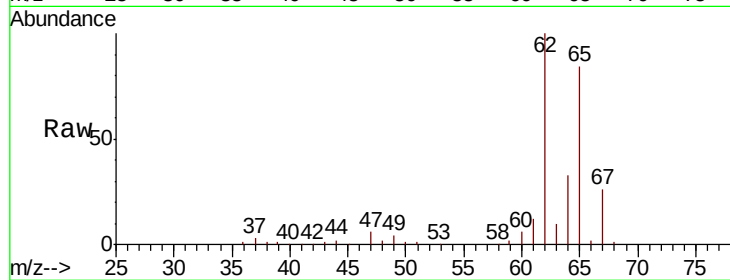
ClientSampled :

Tot Ion: 62 Resp: 113151

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

60000

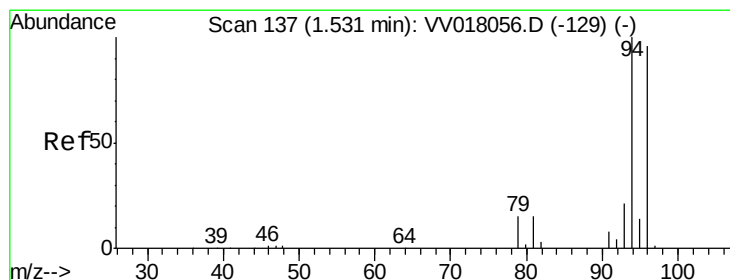
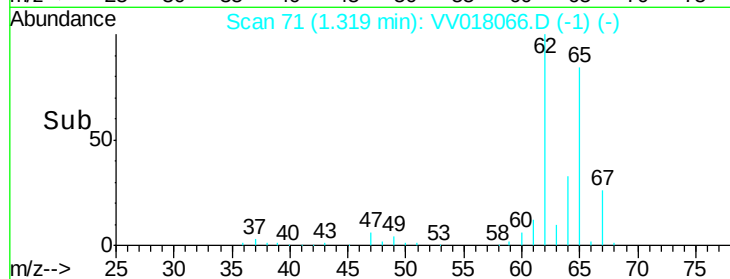
40000

20000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 47.356 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018066.D

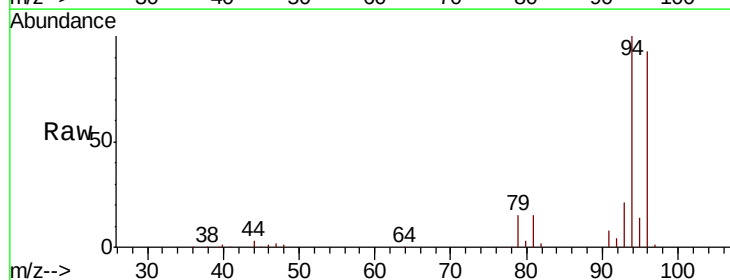
Acq: 20 Aug 2020 12:32

Tgt Ion: 94 Resp: 69126

Ion Ratio Lower Upper

94 100

96 93.4 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

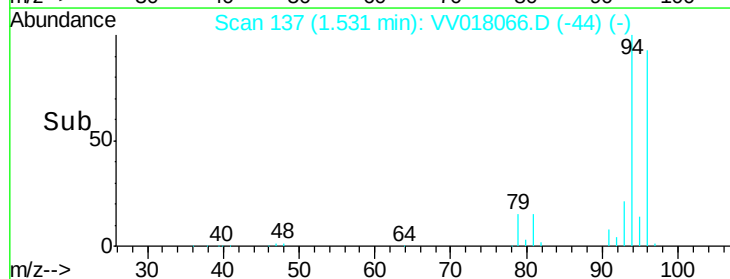
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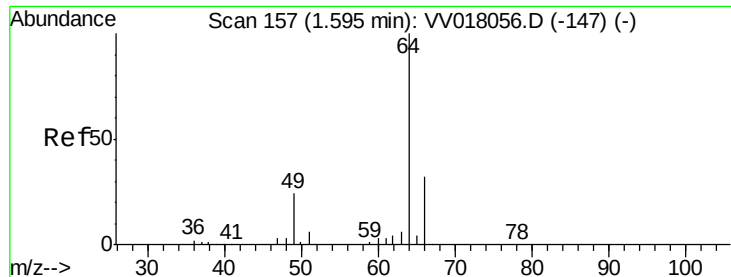
20000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 47.761 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

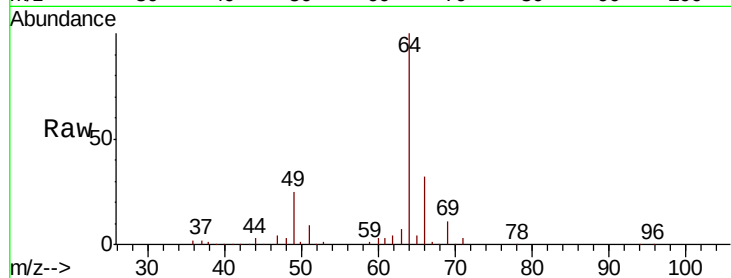
ClientSampleId :

Tot Ion: 64 Resp: 74452

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018066.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018066.D (-147) (-)

1.60

60000

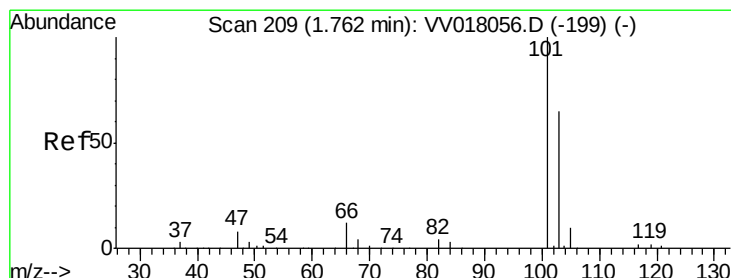
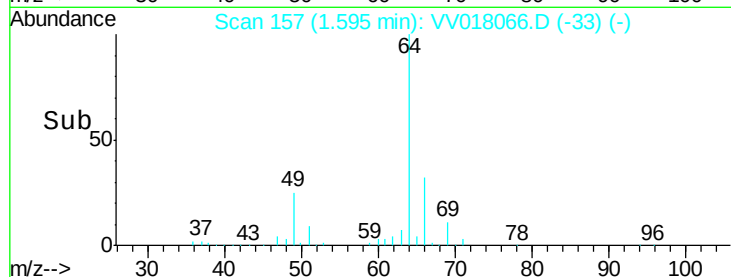
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 47.510 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018066.D

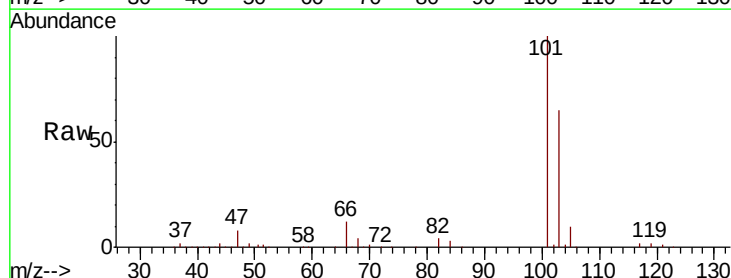
Acq: 20 Aug 2020 12:32

Tgt Ion: 101 Resp: 165751

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018066.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018066.D (-199) (-)

1.77

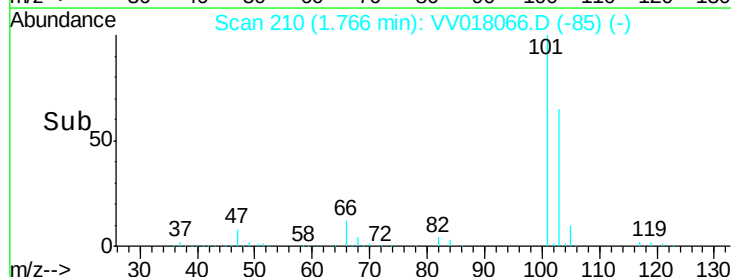
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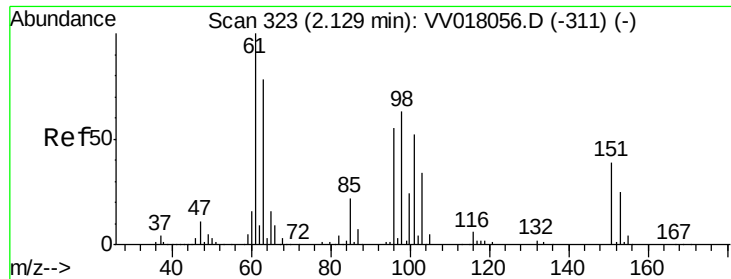
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 49.771 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

ClientSampleId :

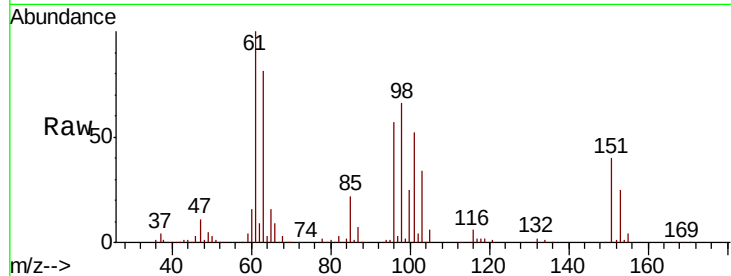
Tot Ion:101 Resp: 96953

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

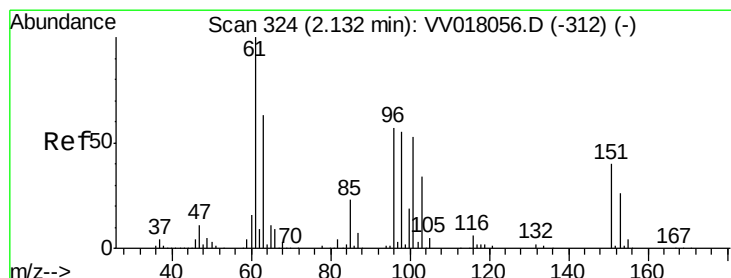
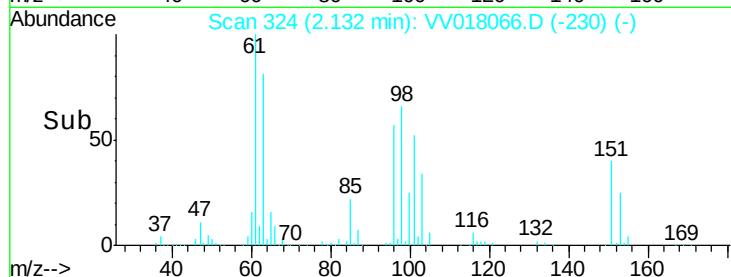
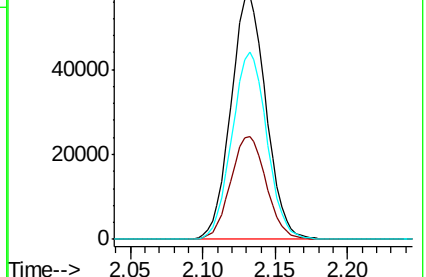
151 76.4 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018066.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018066.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018066.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 49.155 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

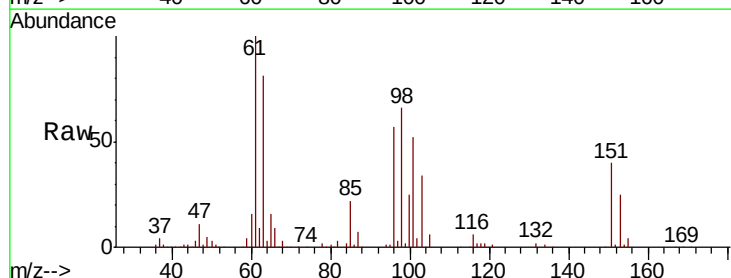
Tgt Ion: 96 Resp: 90632

Ion Ratio Lower Upper

96 100

61 174.2 127.1 236.0

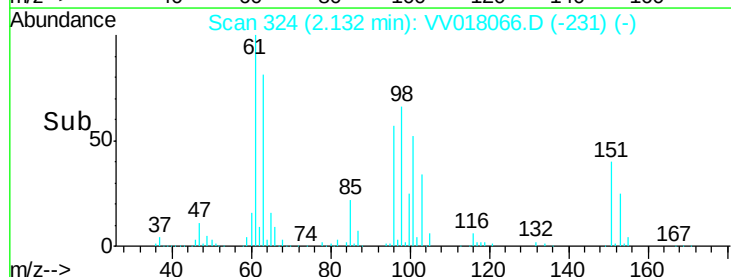
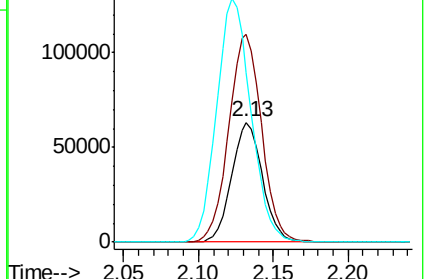
63 141.5 95.2 176.8

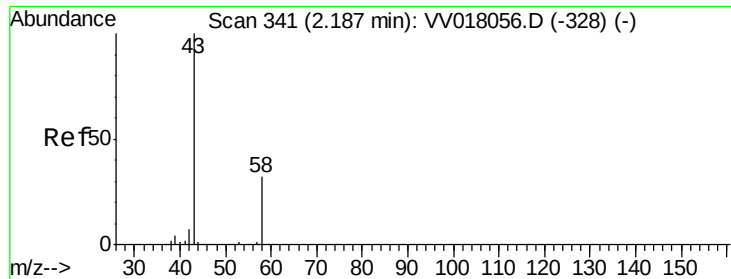


Abundance Ion 96.00 (95.70 to 96.70): VV018066.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018066.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018066.D (-231) (-)





#13

Acetone

Concen: 107.168 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

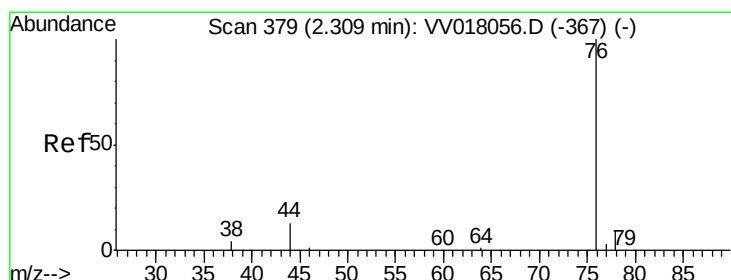
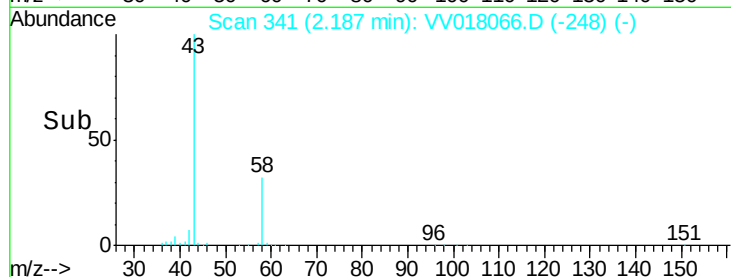
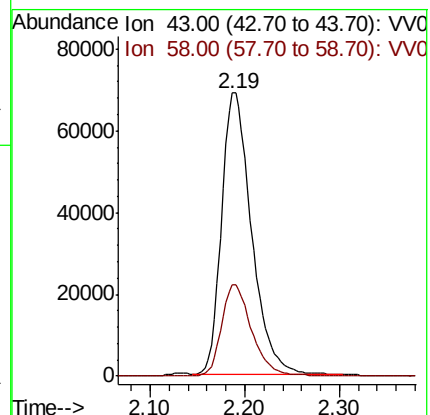
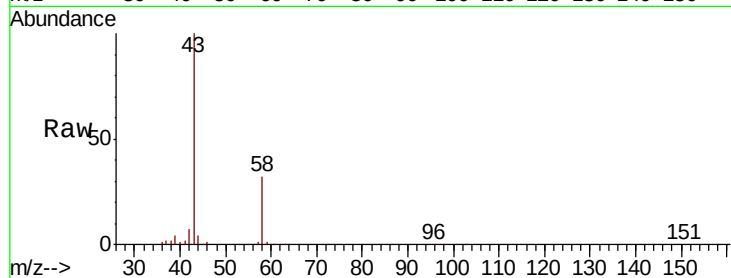
ClientSampleId :

Tot Ion: 43 Resp: 152044

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



#14

Carbon disulfide

Concen: 47.577 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018066.D

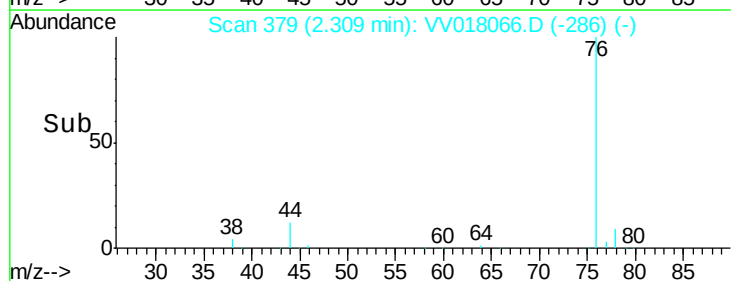
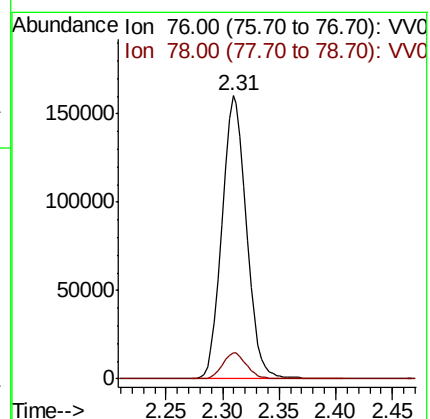
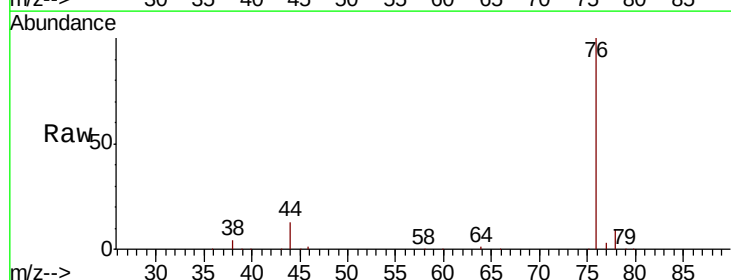
Acq: 20 Aug 2020 12:32

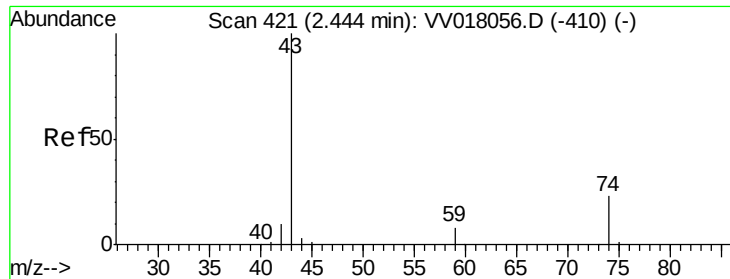
Tgt Ion: 76 Resp: 241440

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

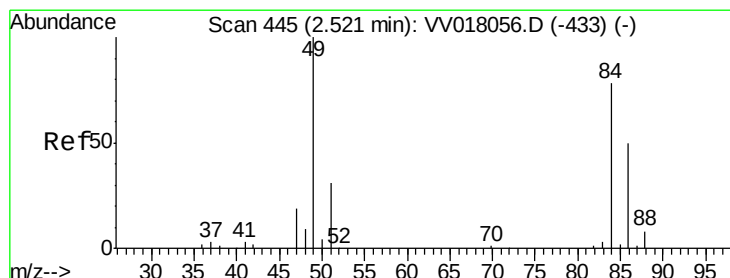
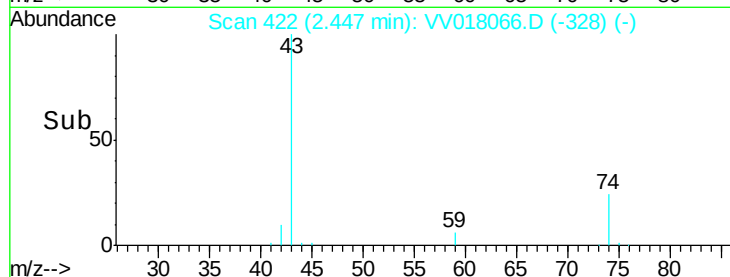
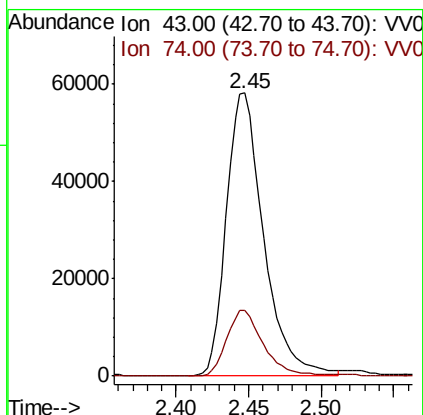
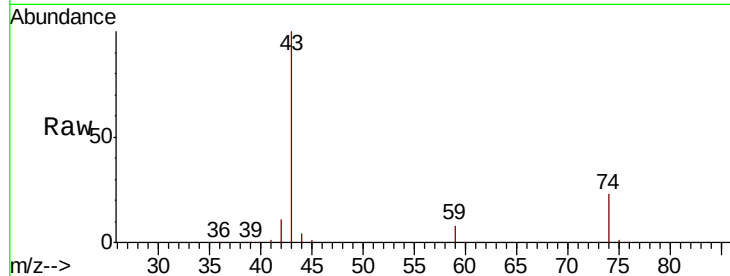




#15
Methyl Acetate
Concen: 45.076 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

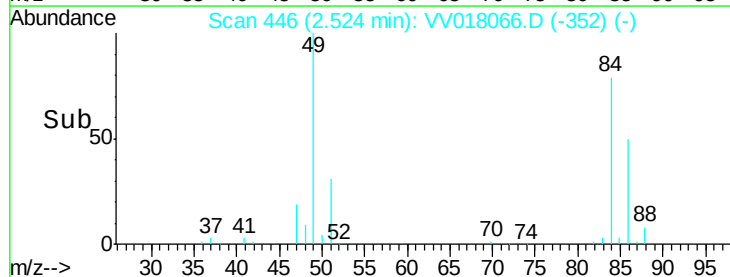
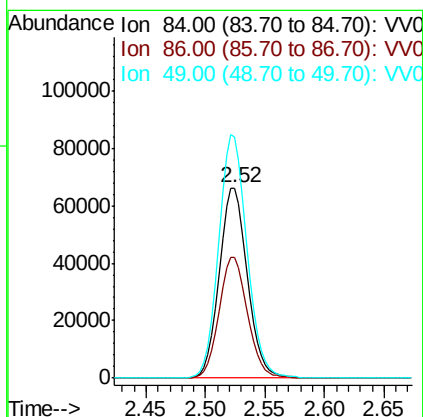
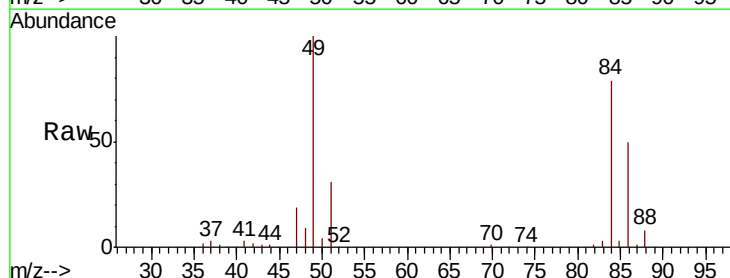
Instrument :
MSVOA_V
ClientSampleId :

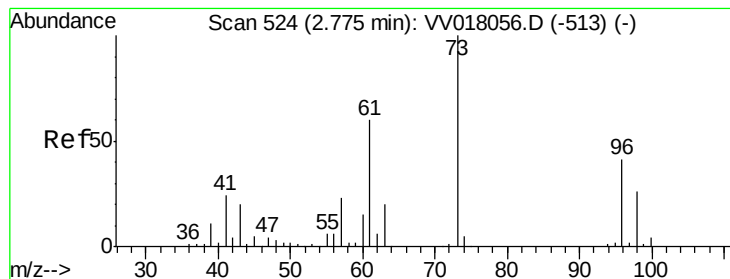
Tot Ion: 43 Resp: 103205
Ion Ratio Lower Upper
43 100
74 23.1 18.4 27.6



#16
Methylene chloride
Concen: 46.334 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

Tgt Ion: 84 Resp: 108837
Ion Ratio Lower Upper
84 100
86 63.2 46.3 85.9
49 126.8 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 49.911 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

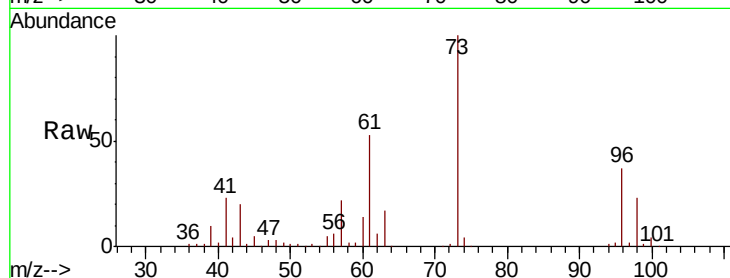
Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 94597

Ion	Ratio	Lower	Upper
96	100		
61	142.9	102.4	190.2
98	62.3	44.4	82.5

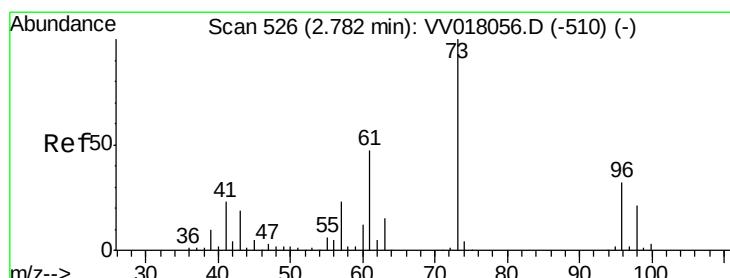
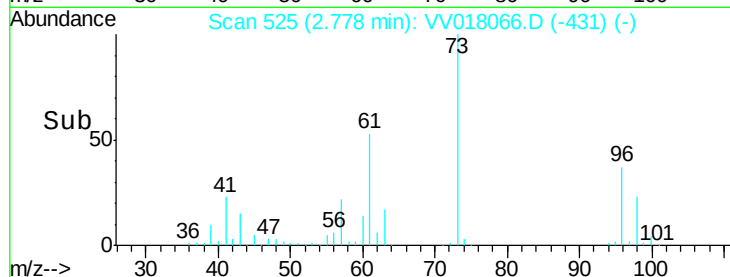
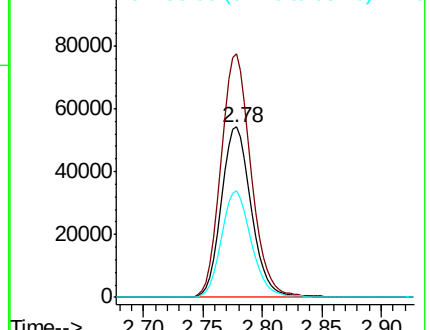


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.737 ug/L

RT: 2.78 min Scan# 526

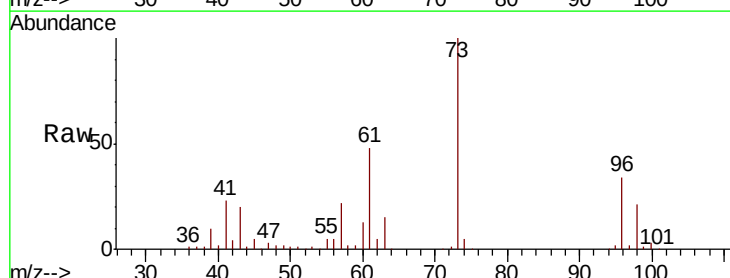
Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Tgt Ion: 73 Resp: 311755

Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.9	23.9
57	22.5	18.1	27.1

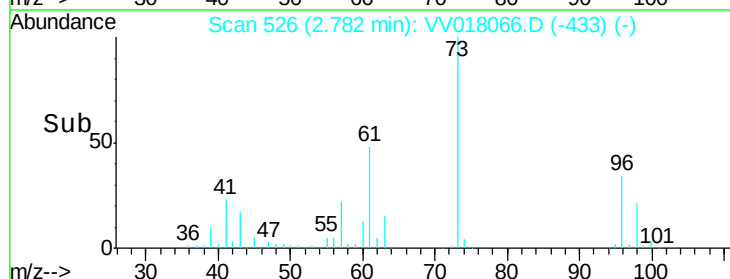
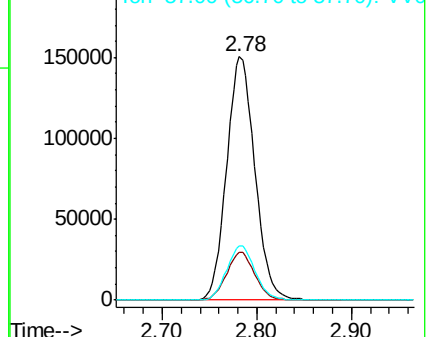


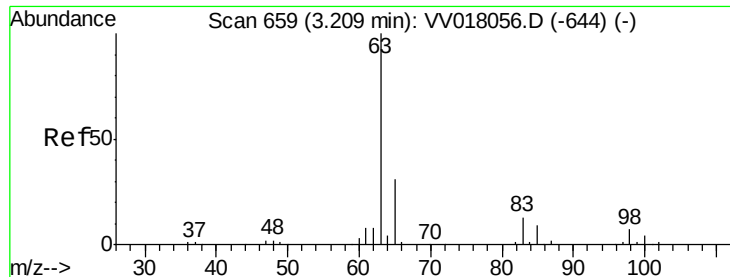
Abundance

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

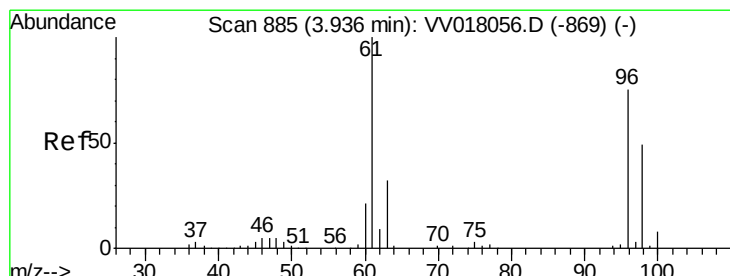
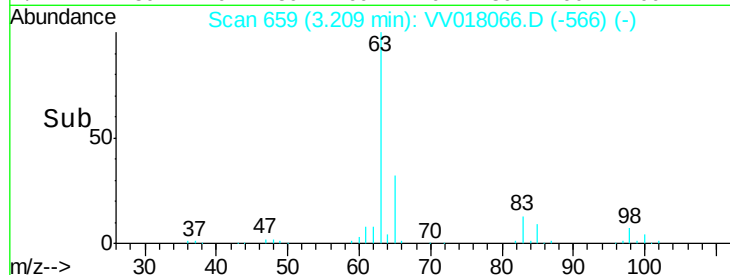
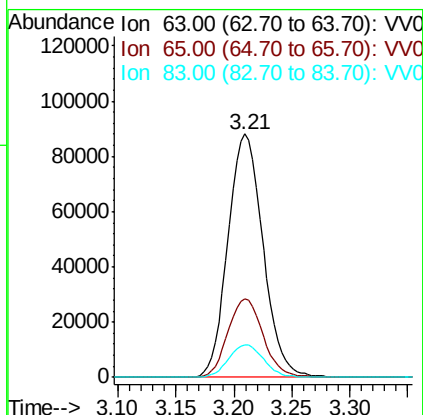
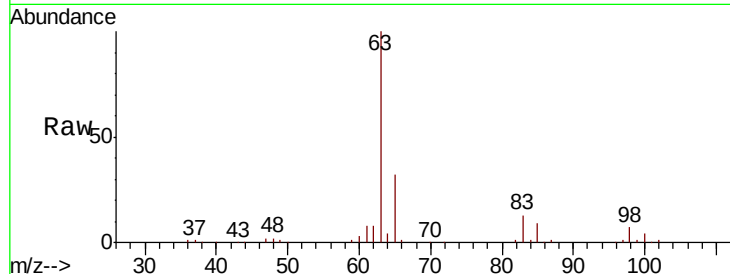




#19
 1,1-Dichloroethane
 Concen: 48.536 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

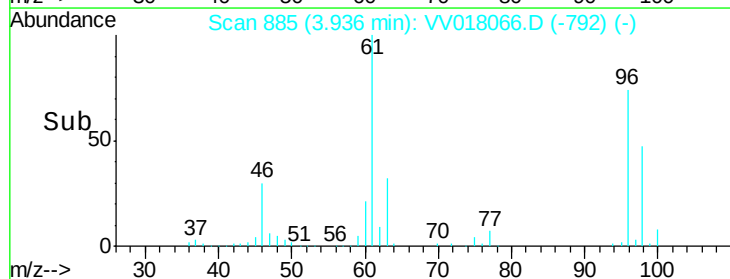
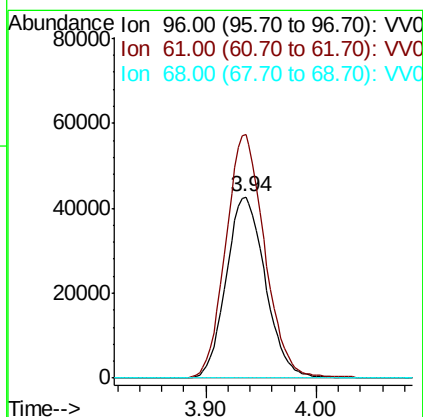
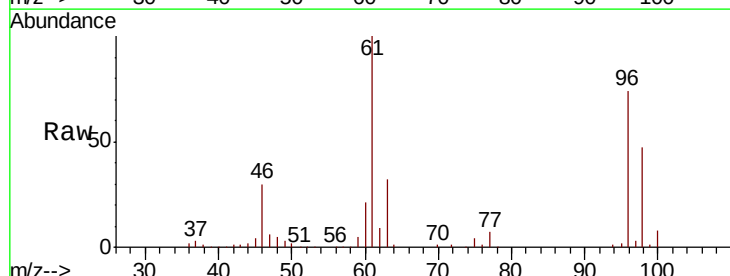
Instrument :
 MSVOA_V
 ClientSampleId :

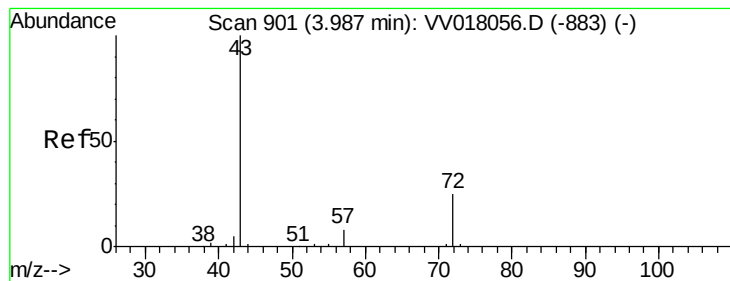
Tot Ion: 63 Resp: 184970
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.5 41.7
 83 13.3 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.452 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

Tgt Ion: 96 Resp: 105079
 Ion Ratio Lower Upper
 96 100
 61 134.4 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.358 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

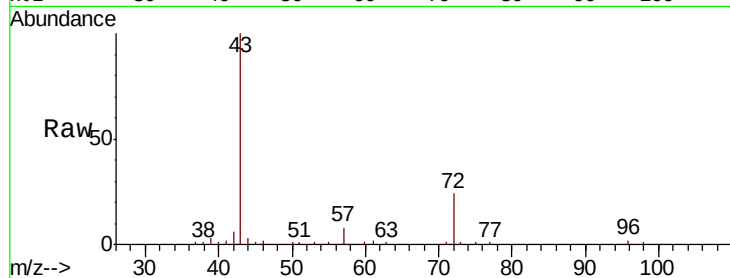
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 166097

Ion Ratio Lower Upper

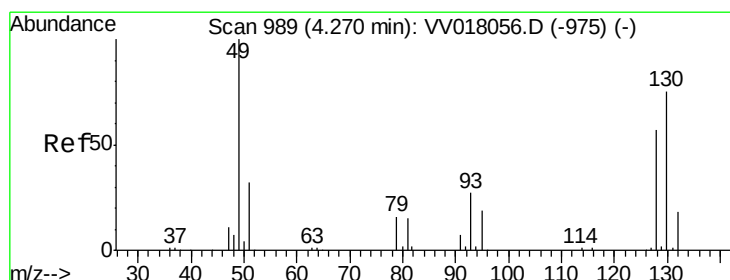
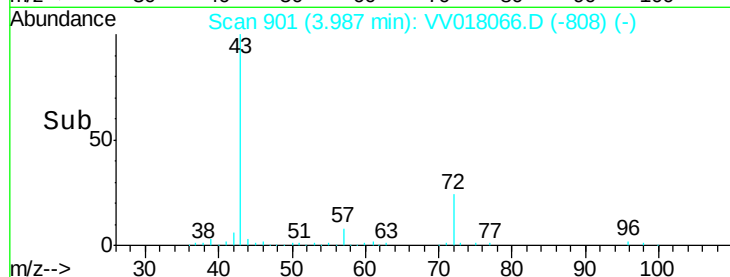
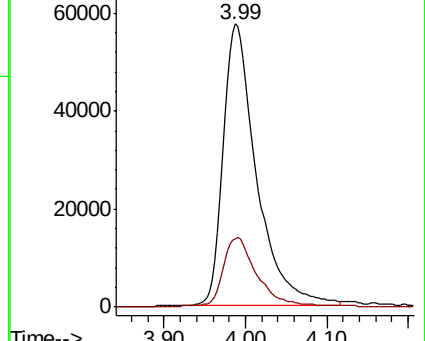
43 100

72 25.5 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018056.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV018056.D (-883) (-)



#23

Bromochloromethane

Concen: 50.069 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Tgt Ion:128 Resp: 54477

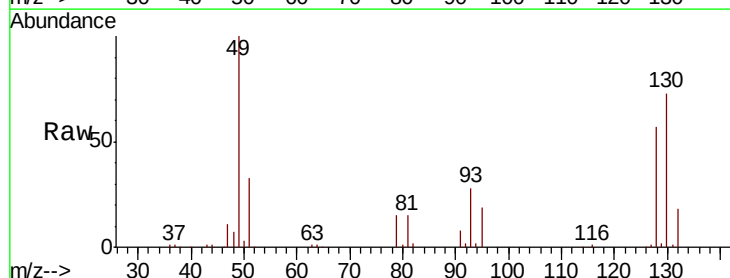
Ion Ratio Lower Upper

128 100

49 175.4 125.6 233.3

130 128.1 89.9 167.0

51 57.6 45.8 68.6

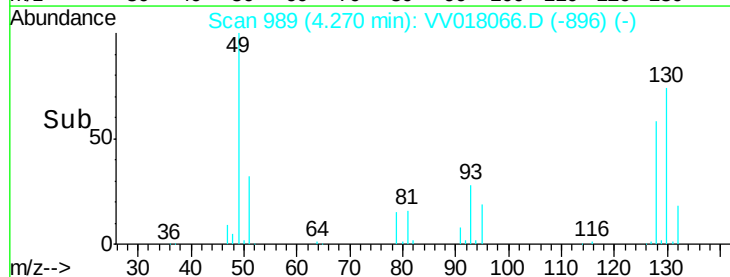
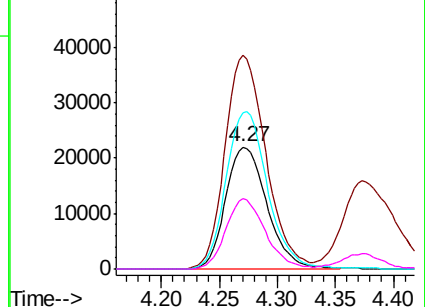


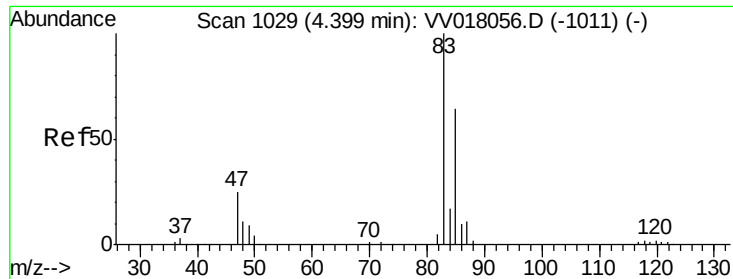
Abundance Ion 128.00 (127.70 to 128.70): VV018056.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018056.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018056.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018056.D (-975) (-)

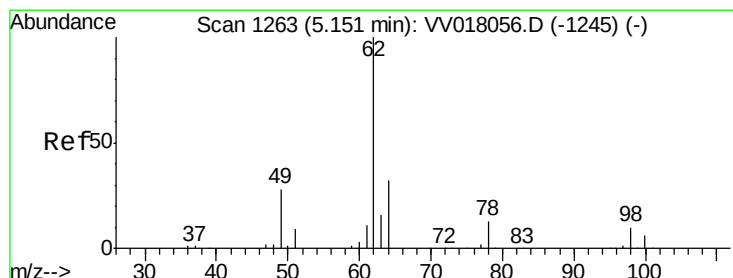
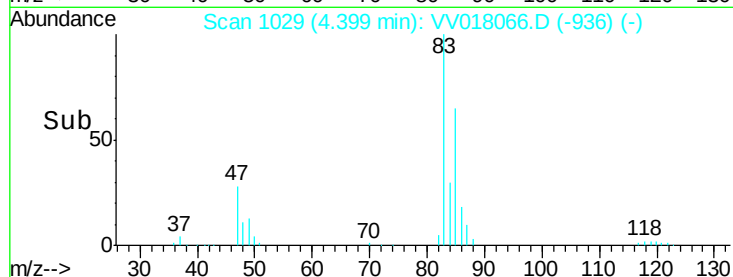
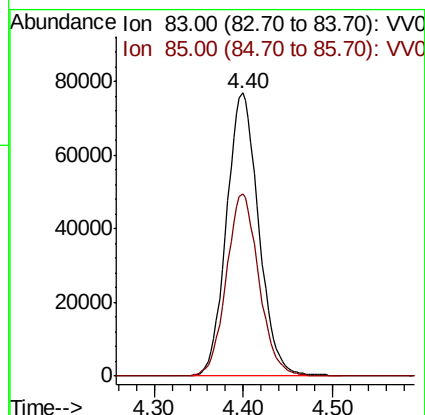
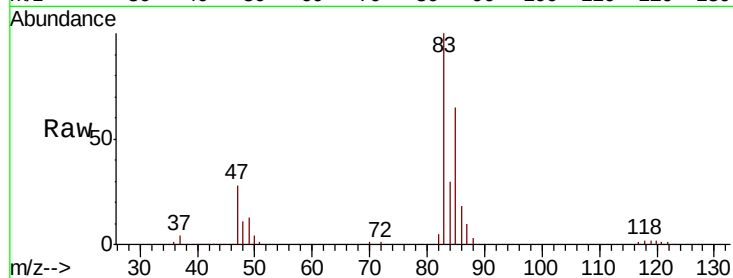




#25
Chloroform
Concen: 49.484 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

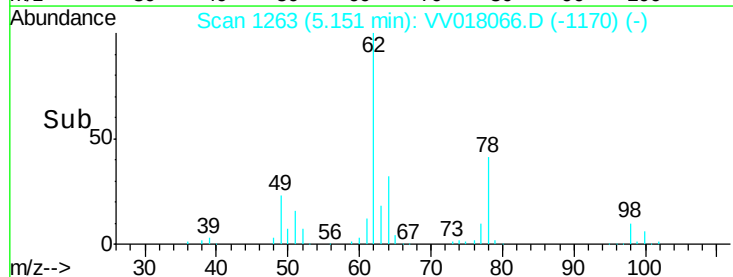
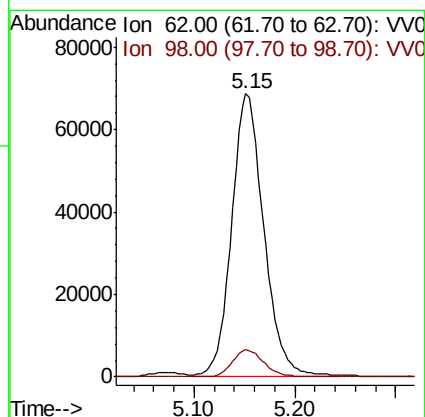
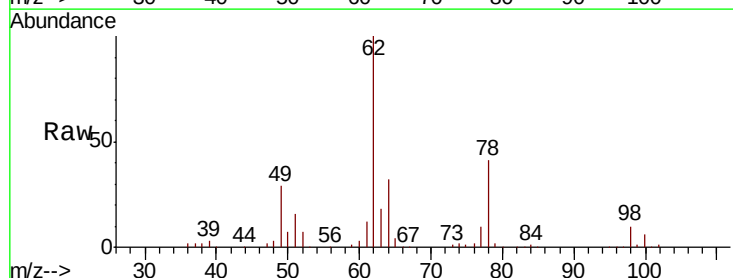
Instrument :
MSVOA_V
ClientSampleId :

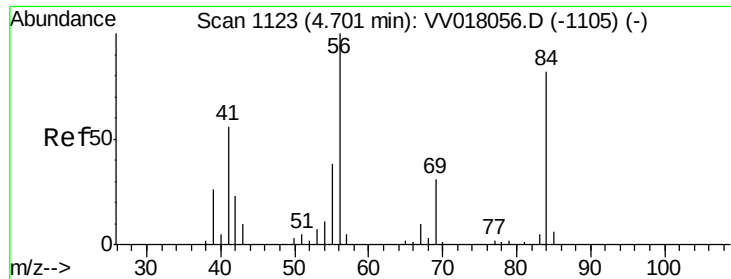
Tot Ion: 83 Resp: 192347
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.082 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

Tgt Ion: 62 Resp: 151857
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7

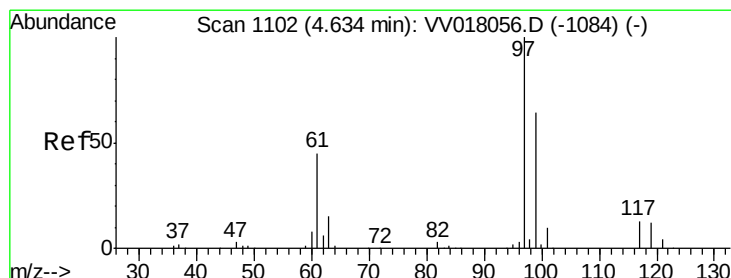
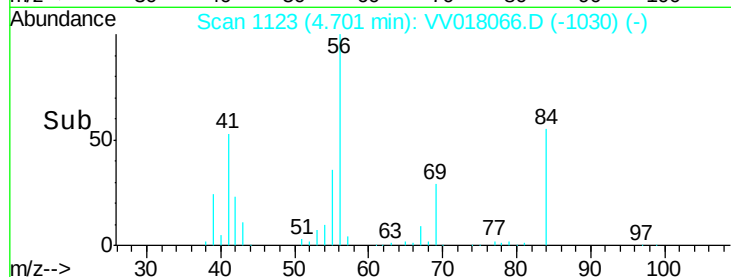
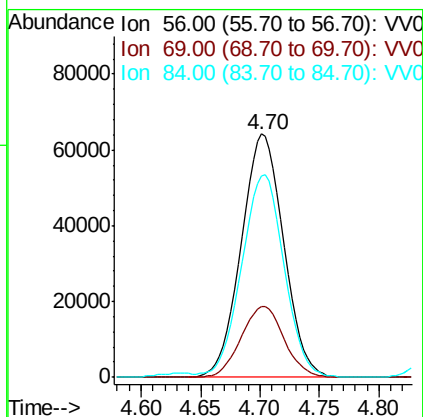
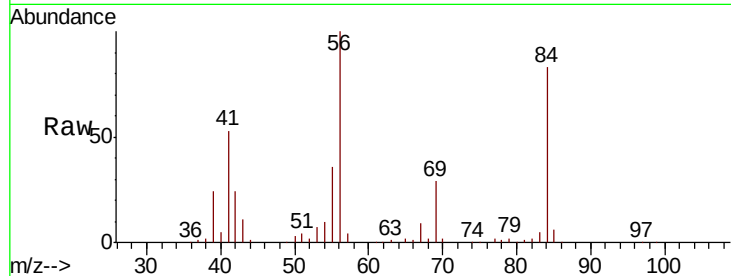




#29
Cyclohexane
Concen: 48.656 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

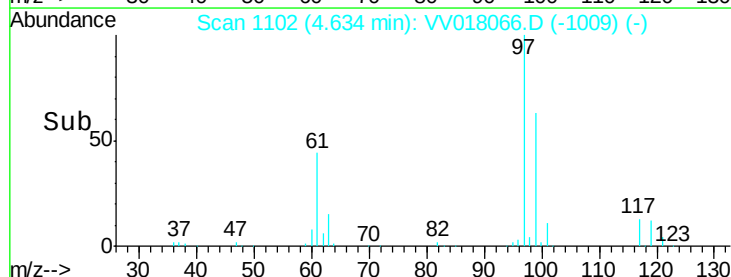
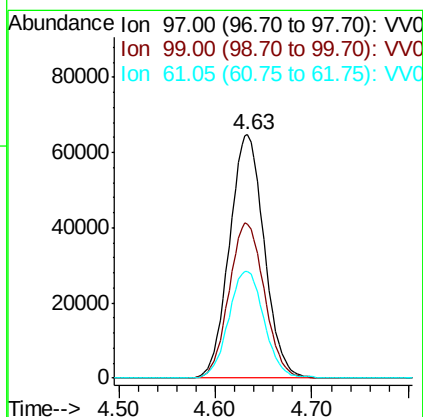
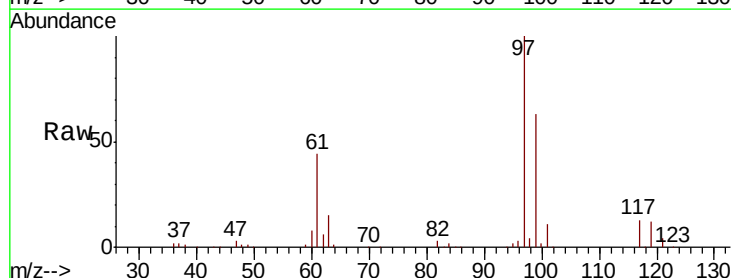
Instrument :
MSVOA_V
ClientSampleId :

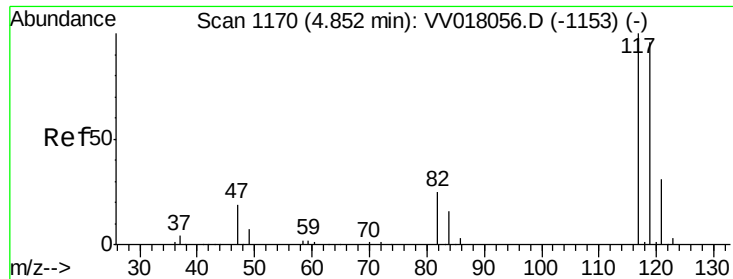
Tot Ion: 56 Resp: 158651
Ion Ratio Lower Upper
56 100
69 29.5 23.8 35.8
84 83.1 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 48.960 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

Tgt Ion: 97 Resp: 162091
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 44.6 37.0 55.6





#31

Carbon tetrachloride

Concen: 50.447 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

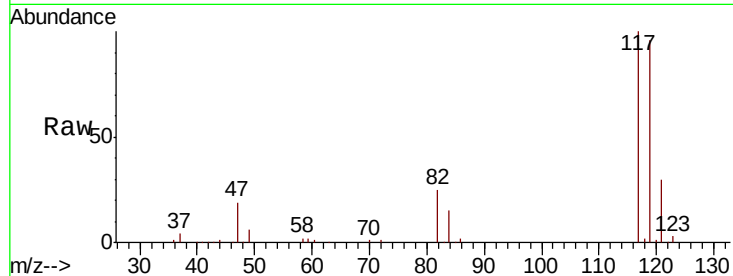
ClientSampleId :

Tot Ion:117 Resp: 139036

Ion Ratio Lower Upper

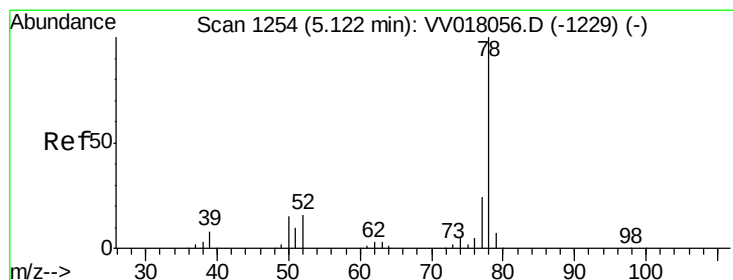
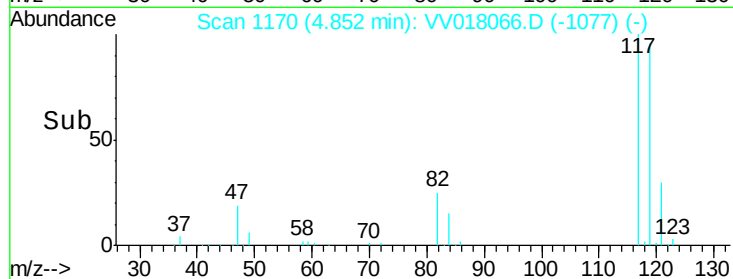
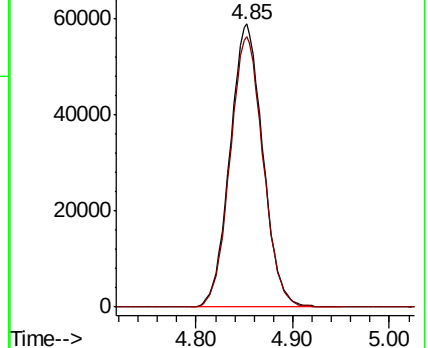
117 100

119 95.8 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.781 ug/L

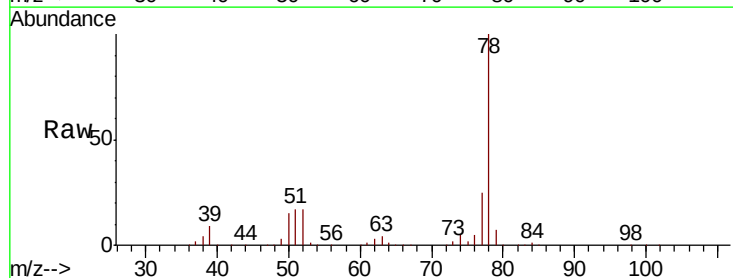
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

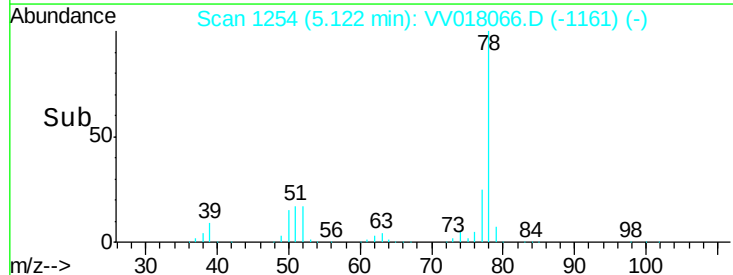
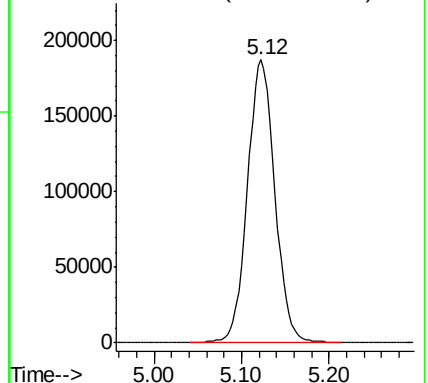
Lab File: VV018066.D

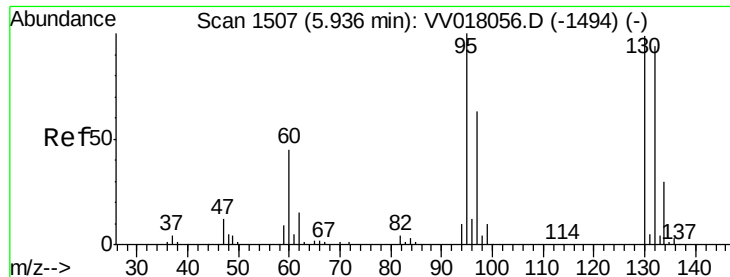
Acq: 20 Aug 2020 12:32

Tgt Ion: 78 Resp: 407728



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.497 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 107148

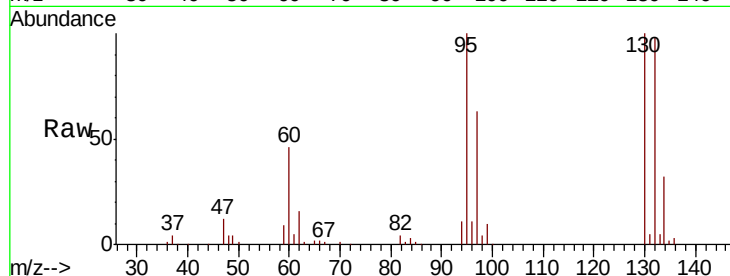
Ion Ratio Lower Upper

95 100

97 62.9 46.0 85.4

132 98.2 65.8 122.2

130 99.7 69.2 128.6

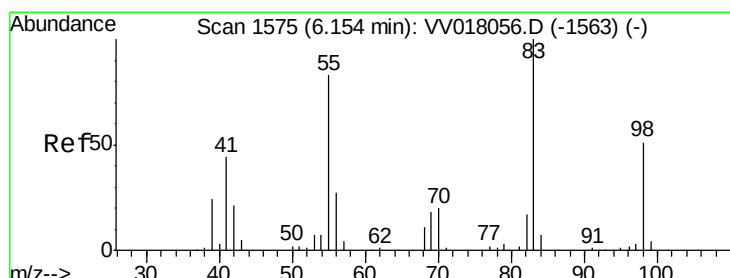
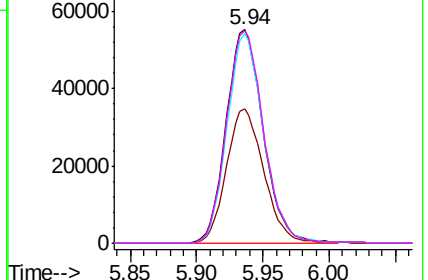
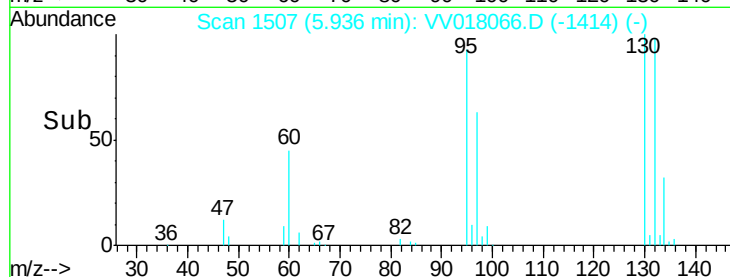


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.111 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

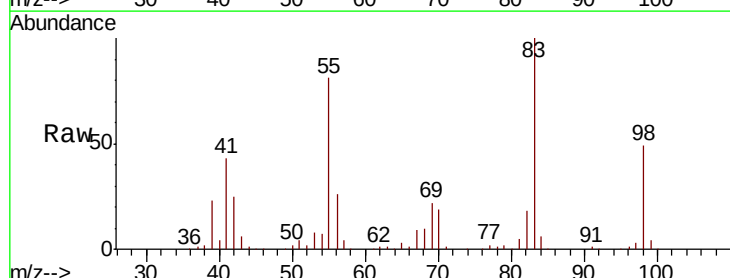
Tgt Ion: 83 Resp: 161342

Ion Ratio Lower Upper

83 100

55 80.4 64.9 97.3

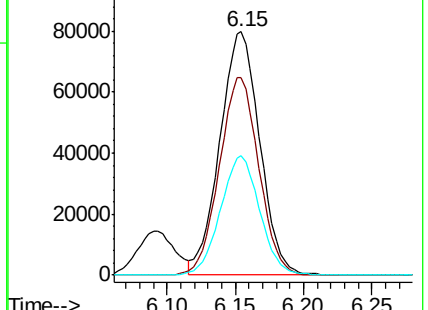
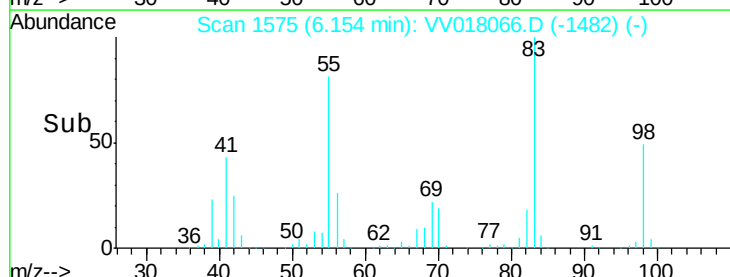
98 48.4 38.7 58.1

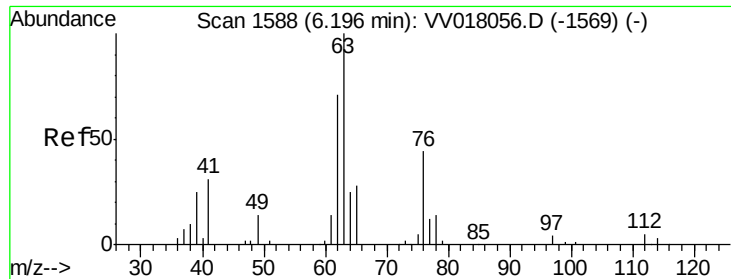


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

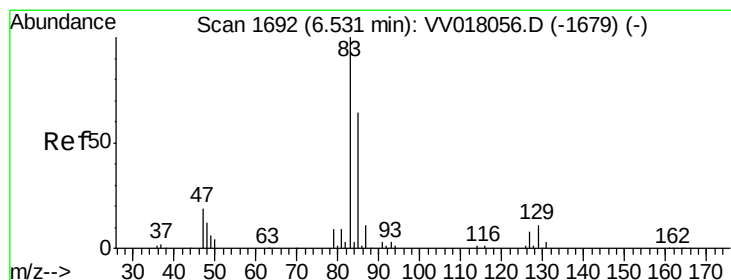
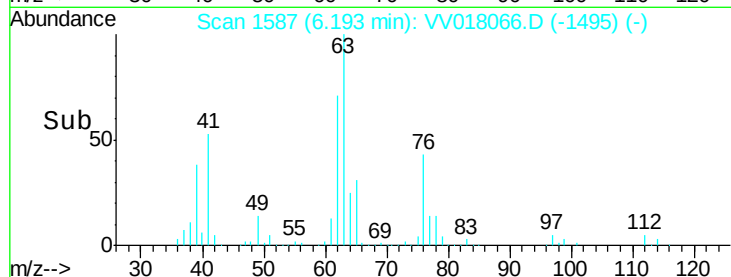
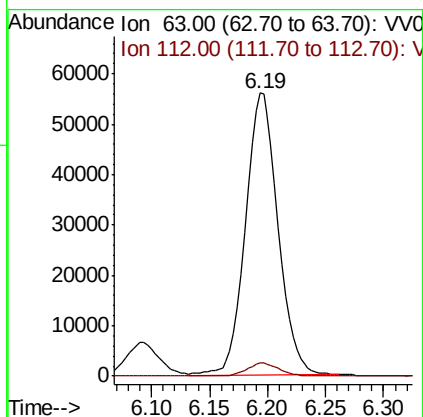
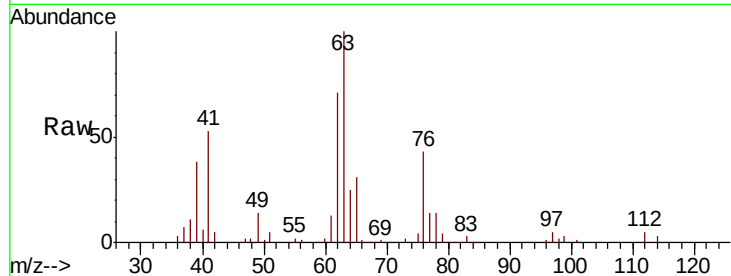




#37
 1,2-Dichloropropane
 Concen: 48.166 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

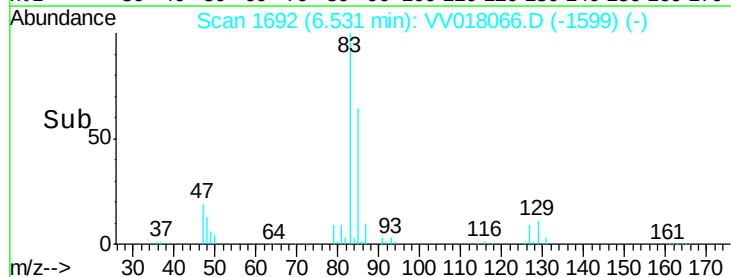
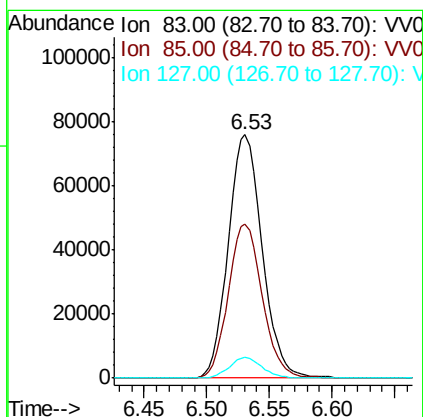
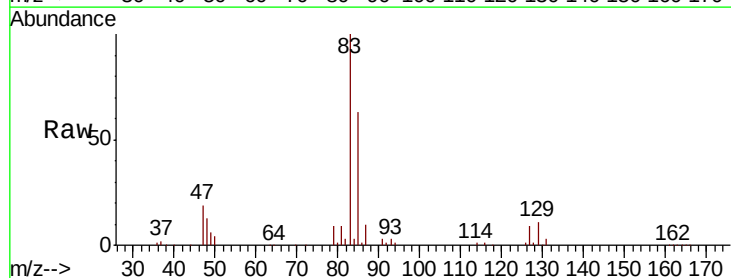
Instrument :
 MSVOA_V
 ClientSampled :

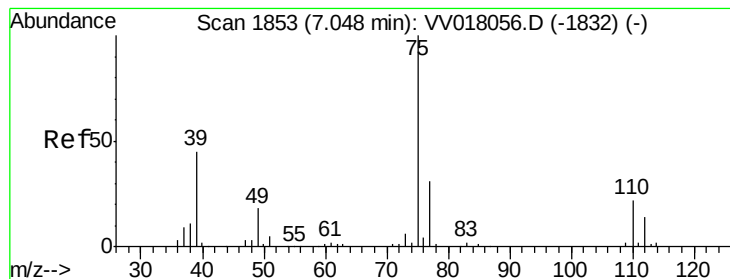
Tot Ion: 63 Resp: 109792
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.500 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

Tgt Ion: 83 Resp: 142980
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.3 82.3
 127 8.5 6.5 9.7



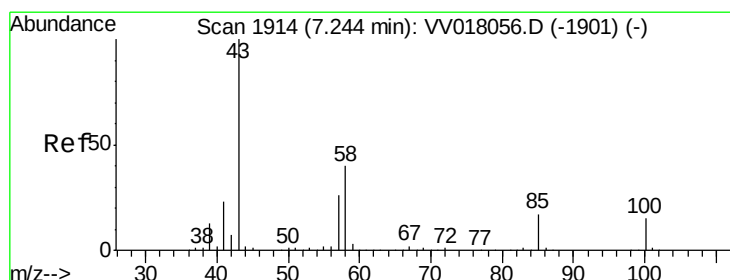
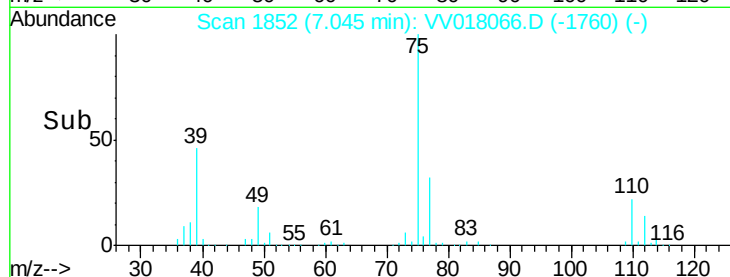
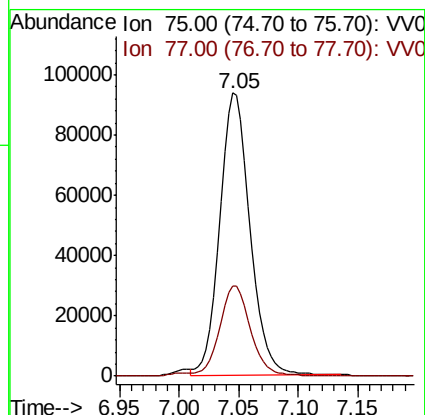
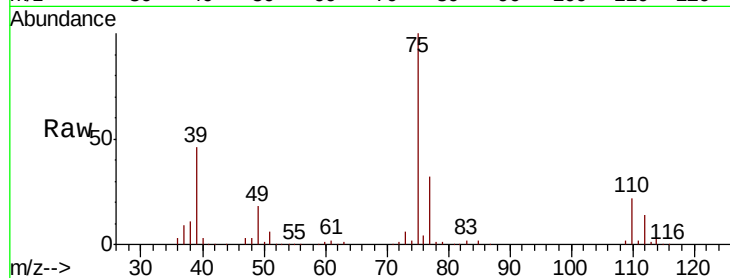


#39

cis-1,3-Dichloropropene
Concen: 51.370 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

Instrument :
MSVOA_V
ClientSampled :

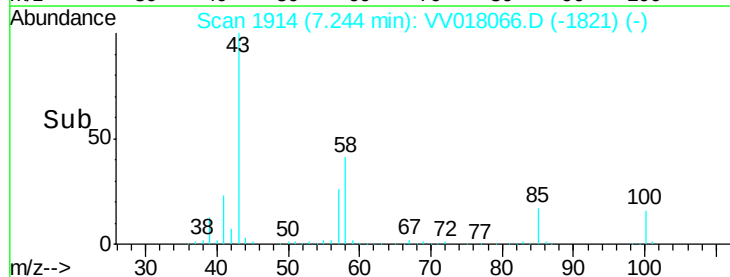
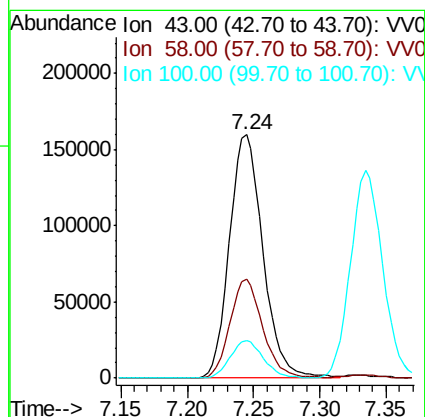
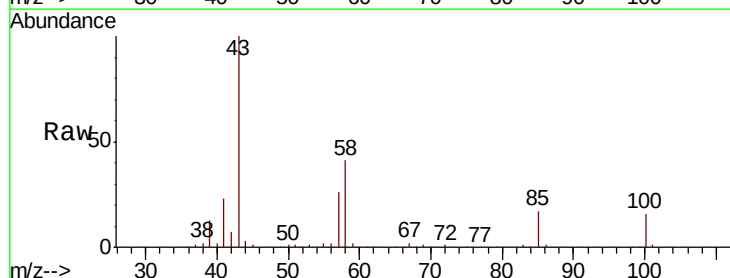
Tot Ion: 75 Resp: 165995
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.5

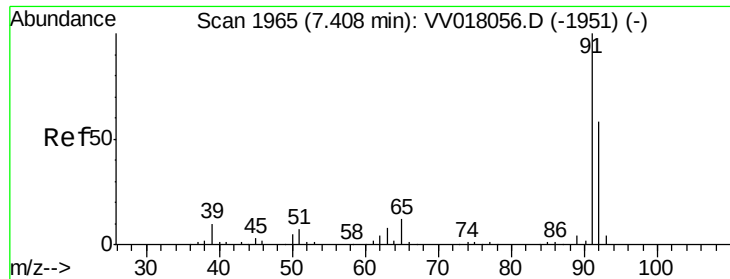


#40

4-Methyl-2-pentanone
Concen: 94.280 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

Tgt Ion: 43 Resp: 280935
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9
100 15.3 12.2 18.2





#42

Toluene

Concen: 50.015 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

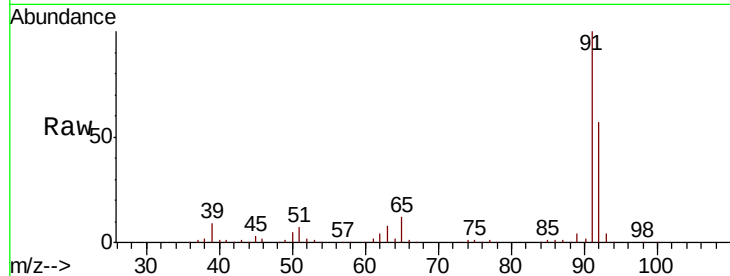
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 436220

Ion Ratio Lower Upper

91 100

92 57.0 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV018056.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018056.D (-1951) (-)

7.41

250000

200000

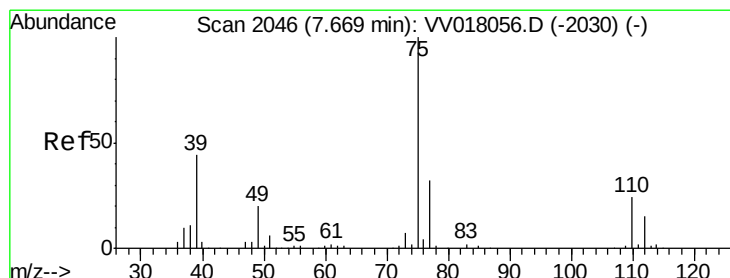
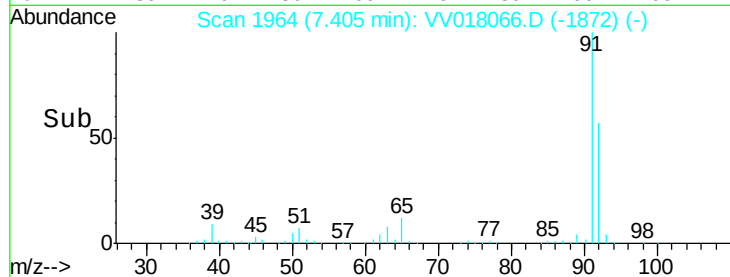
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.846 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018066.D

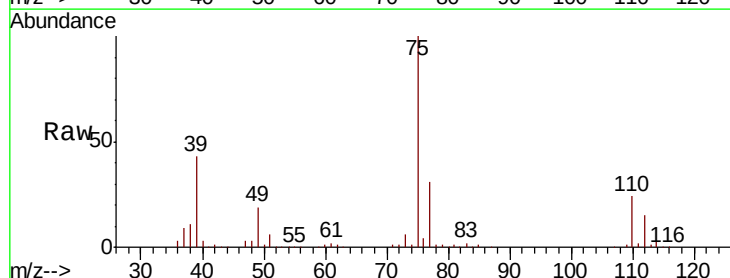
Acq: 20 Aug 2020 12:32

Tgt Ion: 75 Resp: 165088

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018056.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018056.D (-2030) (-)

7.67

100000

80000

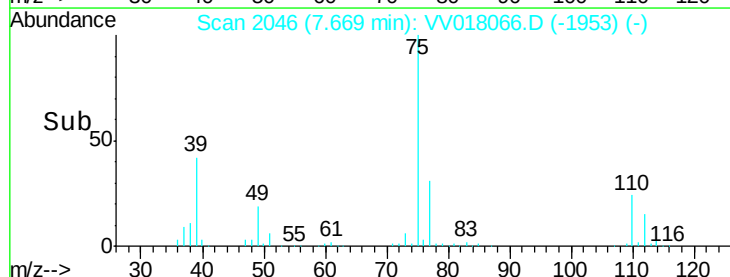
60000

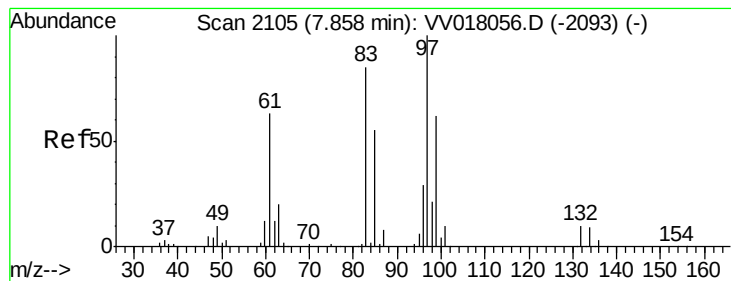
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 49.314 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 104099

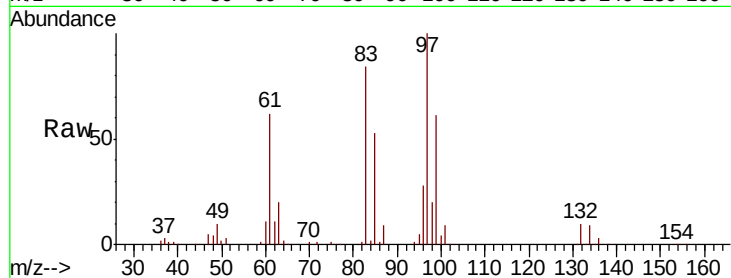
Ion Ratio Lower Upper

97 100

99 61.1 44.2 82.2

83 84.1 61.0 113.4

85 53.3 39.5 73.4



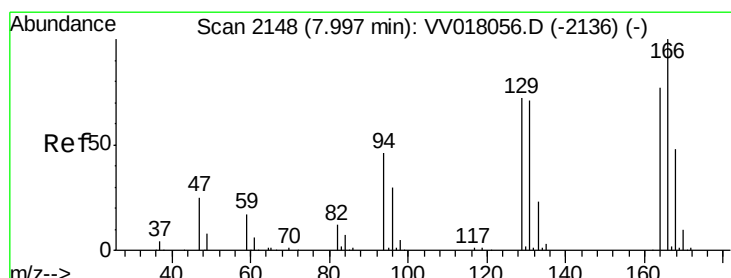
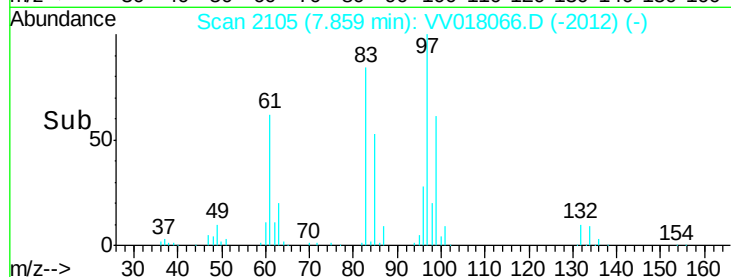
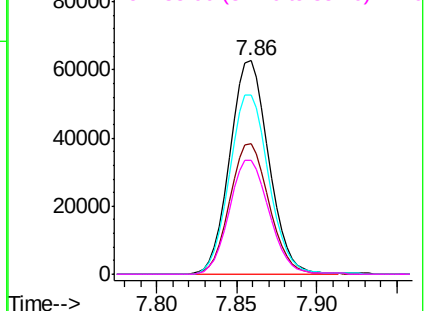
Abundance

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: 51.609 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Tgt Ion: 164 Resp: 83624

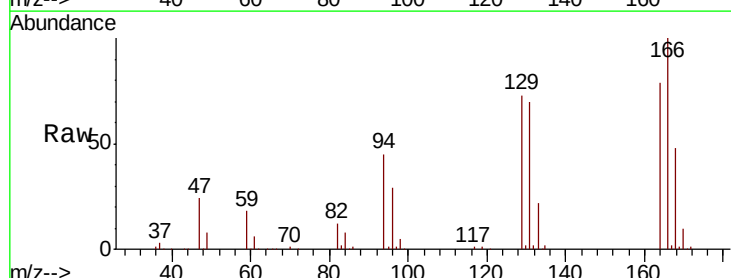
Ion Ratio Lower Upper

164 100

129 92.0 64.8 120.3

131 88.6 64.5 119.9

166 126.8 88.9 165.1



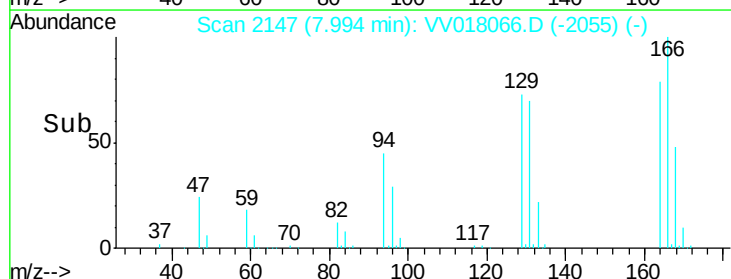
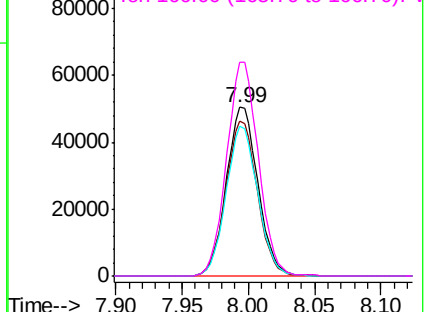
Abundance

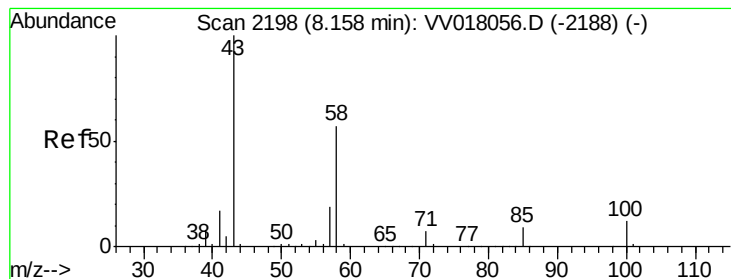
Ion 164.00 (163.70 to 164.70): V

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: 98.684 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 237126

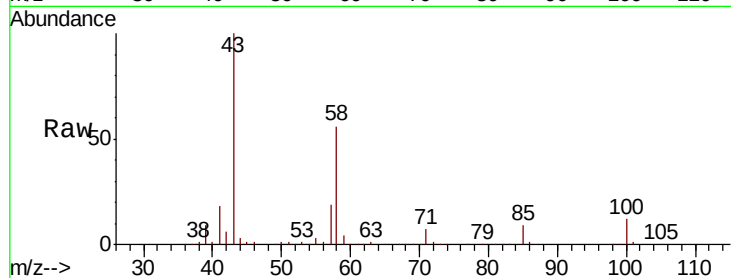
Ion Ratio Lower Upper

43 100

58 55.4 44.4 66.6

57 18.9 15.2 22.8

100 12.3 9.8 14.6

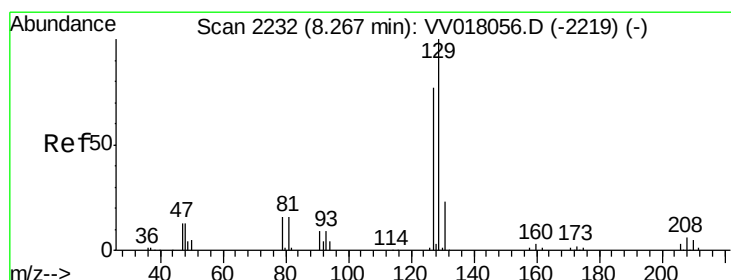
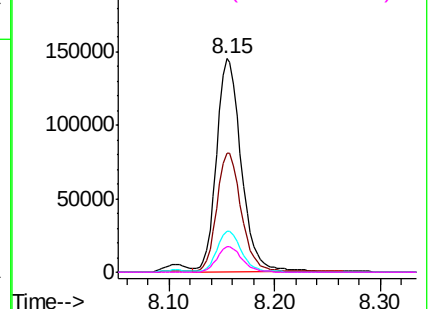
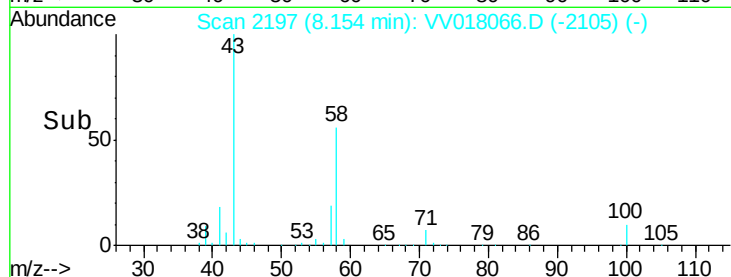


Abundance Ion 43.00 (42.70 to 43.70): VV018056.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV018056.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV018056.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV018056.D (-2188) (-)



#49

Dibromochloromethane

Concen: 53.376 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV018066.D

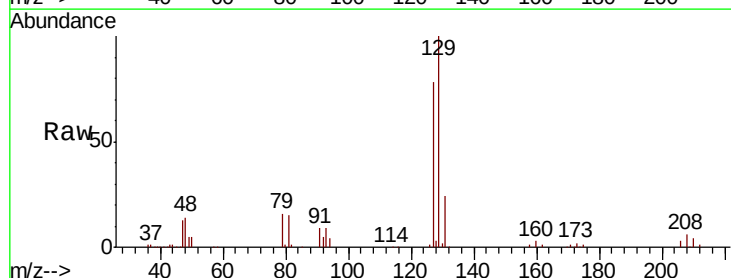
Acq: 20 Aug 2020 12:32

Tgt Ion: 129 Resp: 109978

Ion Ratio Lower Upper

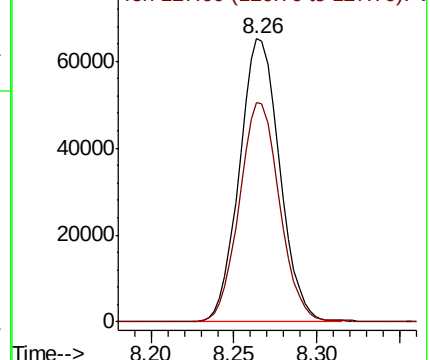
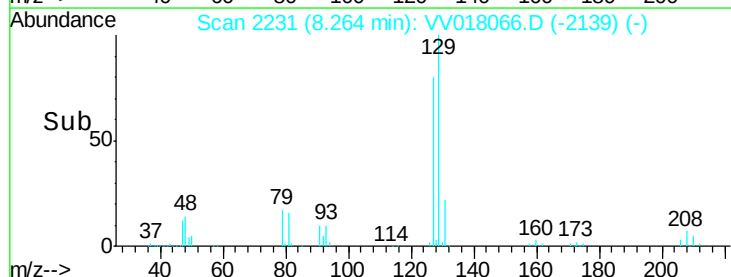
129 100

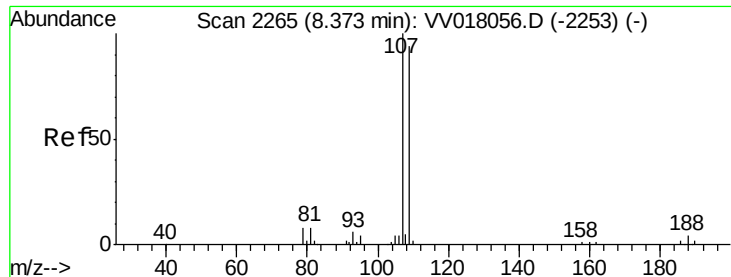
127 77.6 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018056.D (-2219) (-)

Ion 127.00 (126.70 to 127.70): VV018056.D (-2219) (-)

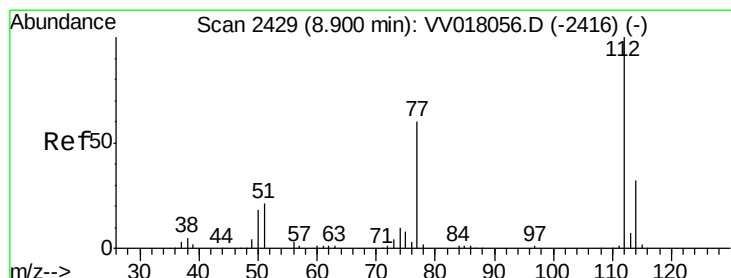
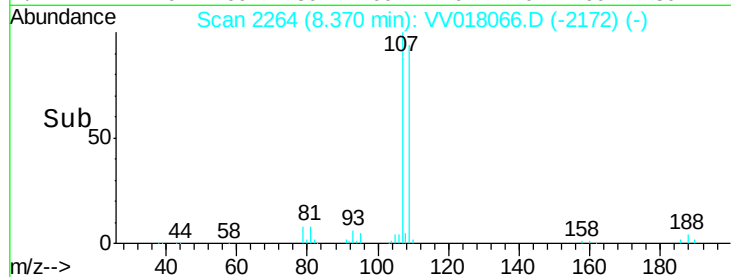
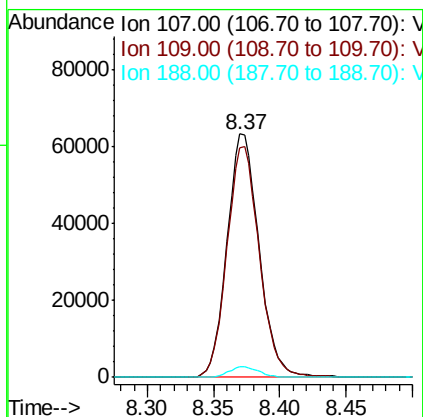
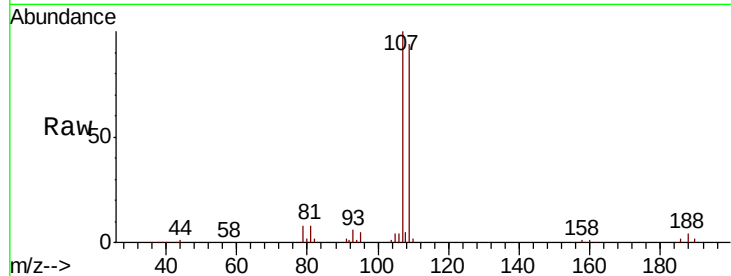




#50
1,2-Dibromoethane
Concen: 48.709 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

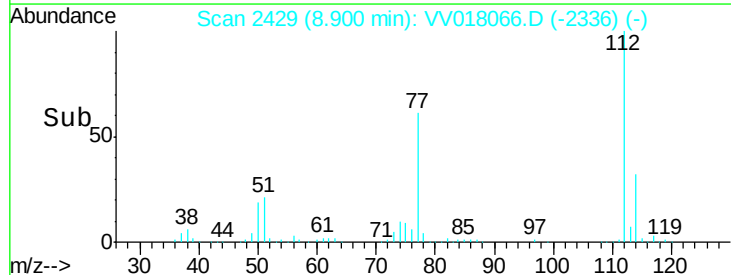
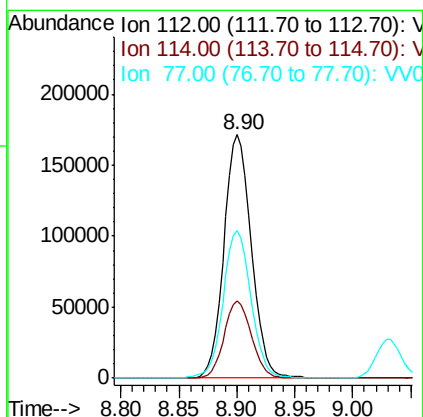
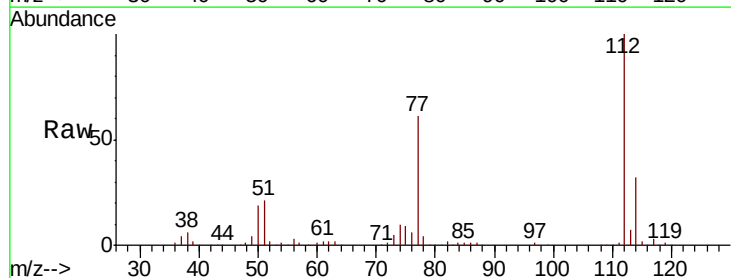
Instrument :
MSVOA_V
ClientSampleId :

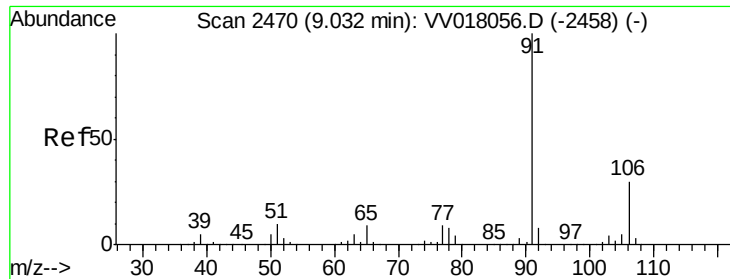
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	67.5	125.4
188	4.2	3.4	5.0



#51
Chlorobenzene
Concen: 50.128 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018066.D
Acq: 20 Aug 2020 12:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.3
77	60.6	49.4	74.2





#52

Ethylbenzene

Concen: 50.927 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

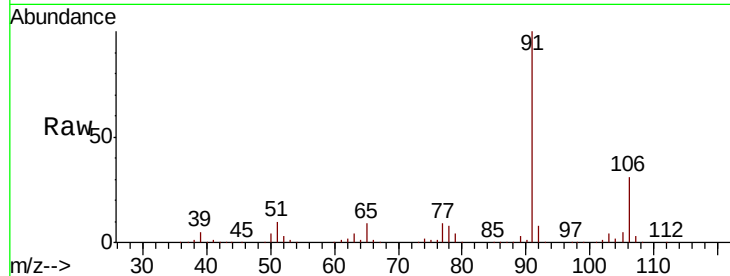
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 484308

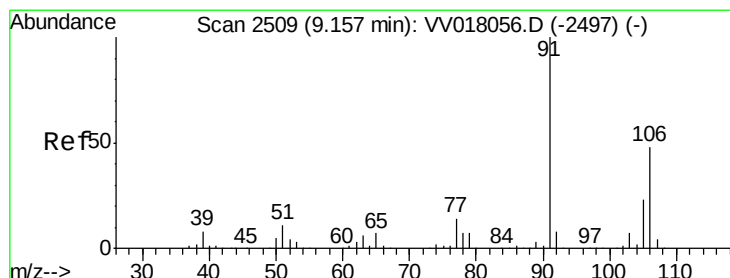
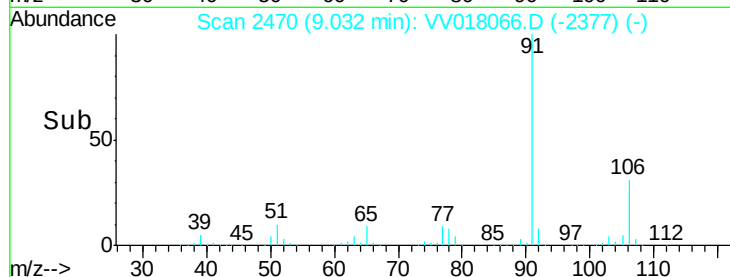
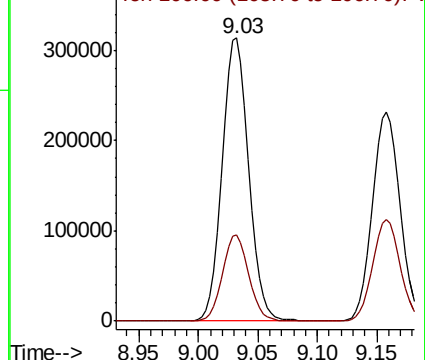
Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018066.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.459 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018066.D

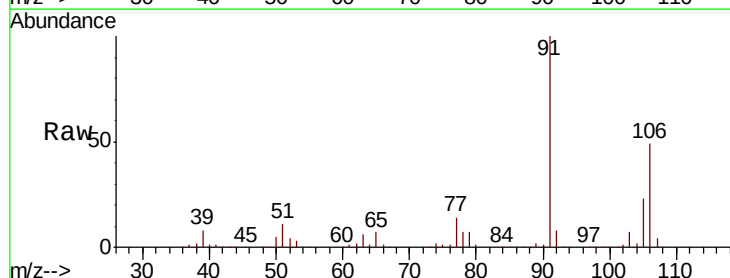
Acq: 20 Aug 2020 12:32

Tgt Ion: 106 Resp: 179989

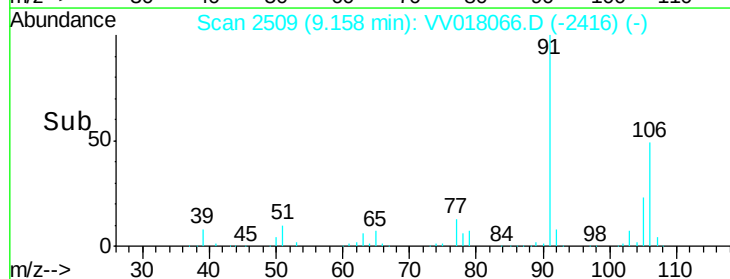
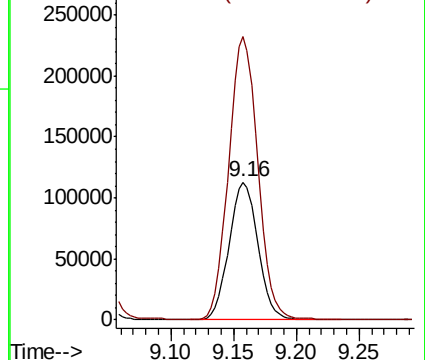
Ion Ratio Lower Upper

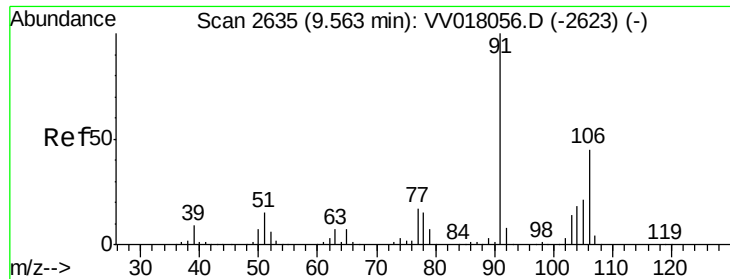
106 100

91 205.2 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018066.D (-2416) (-)





#54

o-xylene

Concen: 50.760 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

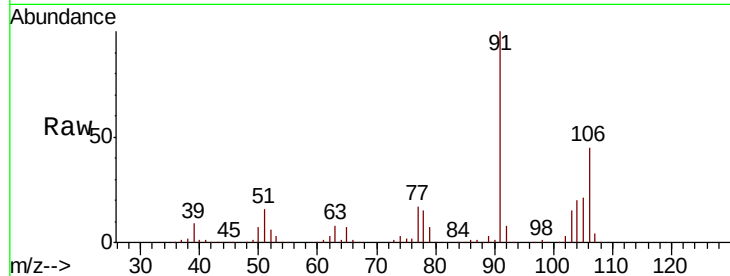
ClientSampled :

Tot Ion:106 Resp: 175453

Ion Ratio Lower Upper

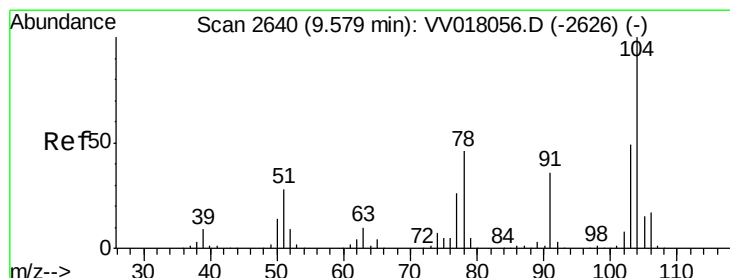
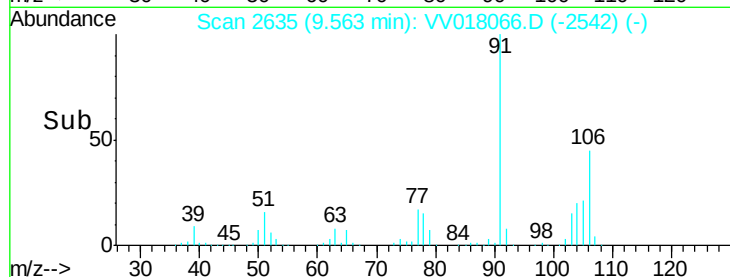
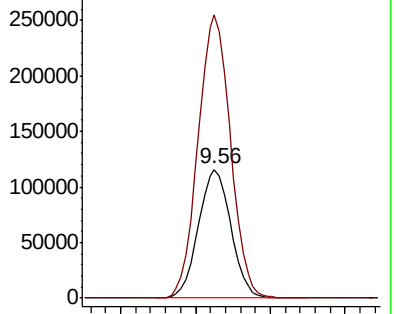
106 100

91 220.1 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.920 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018066.D

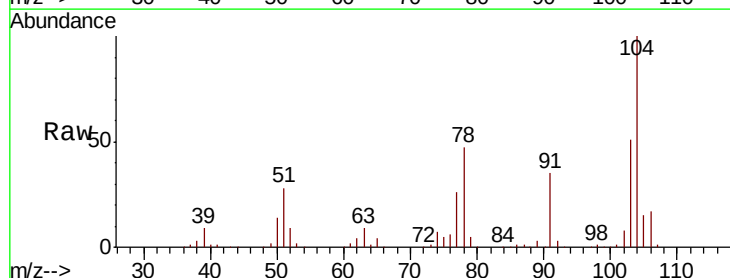
Acq: 20 Aug 2020 12:32

Tgt Ion:104 Resp: 313248

Ion Ratio Lower Upper

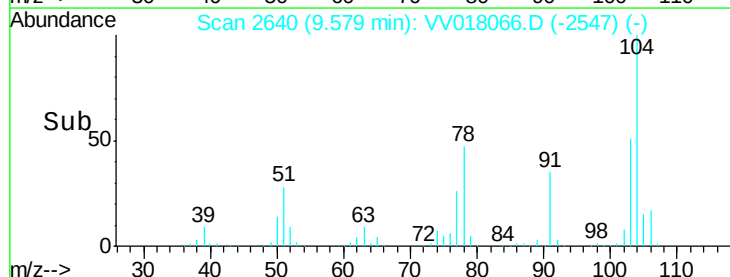
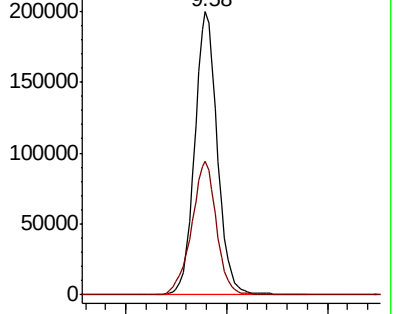
104 100

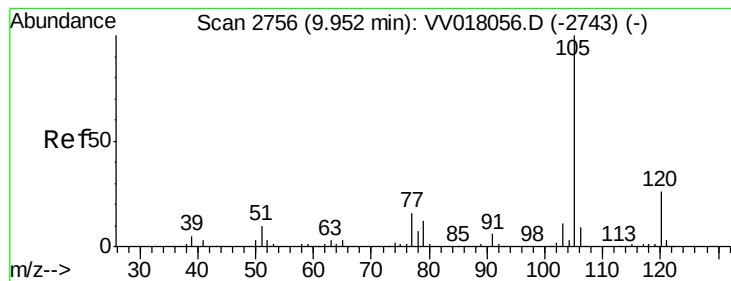
78 47.0 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.770 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :
MSVOA_V
ClientSampleId :

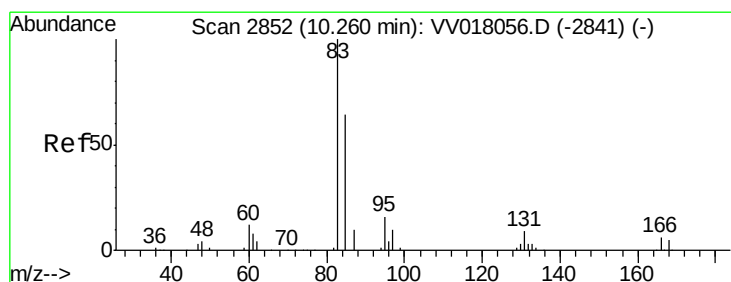
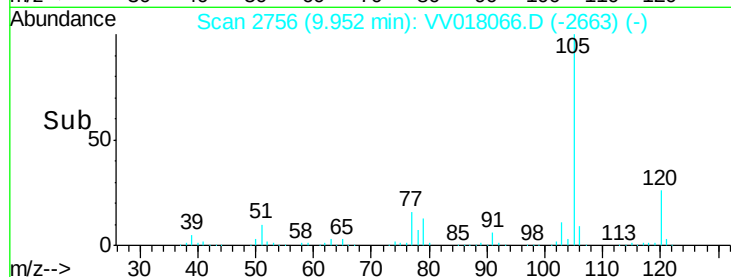
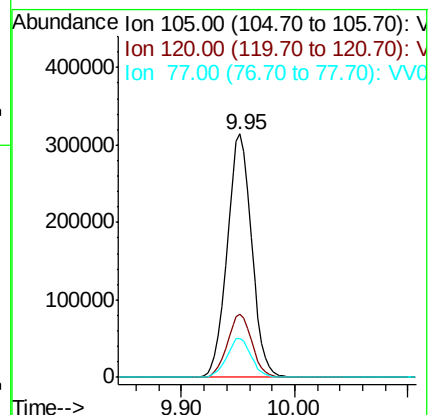
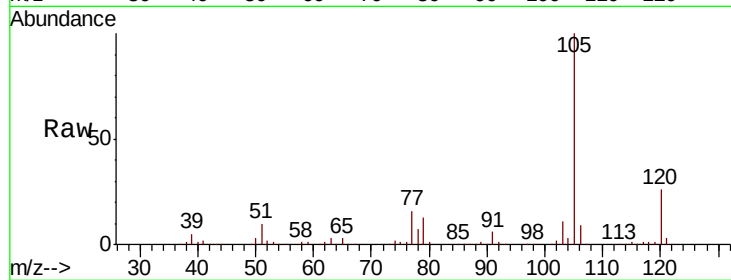
Tot Ion:105 Resp: 472072

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.0 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 47.713 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

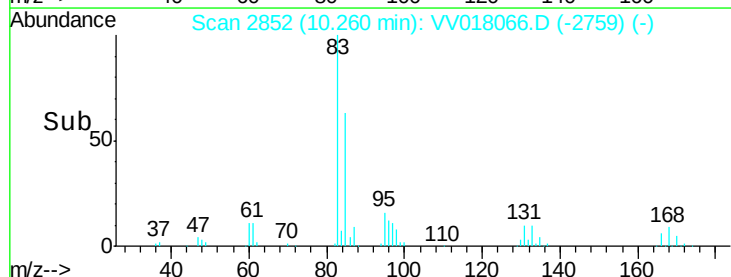
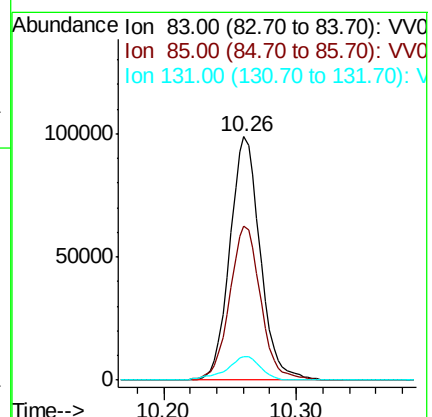
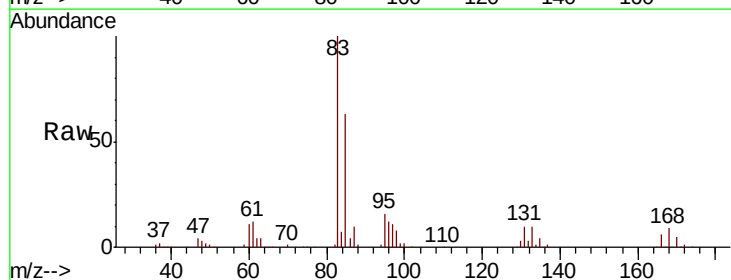
Tgt Ion: 83 Resp: 156839

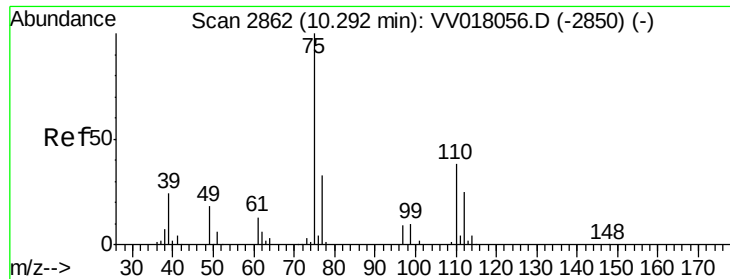
Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

131 9.8 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 46.674 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

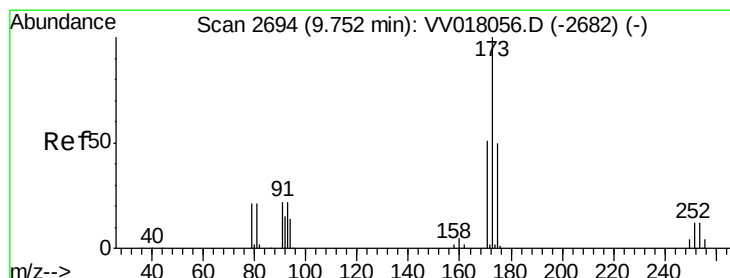
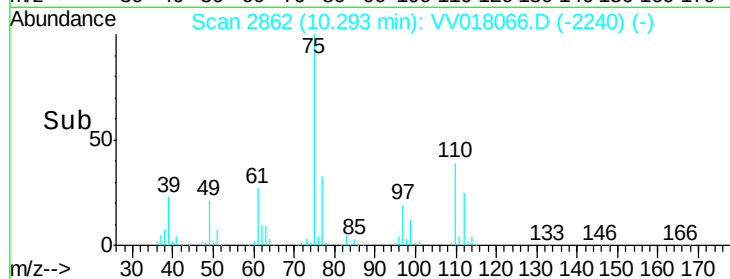
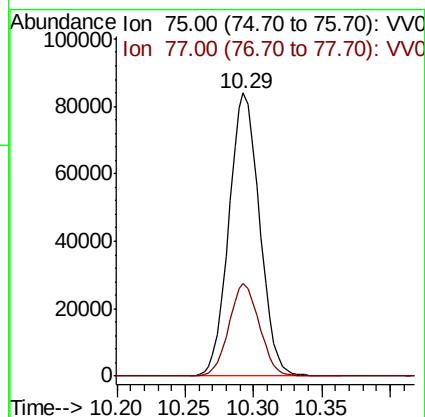
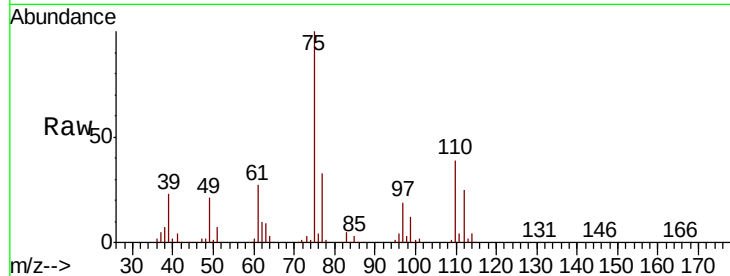
ClientSampleId :

Tot Ion: 75 Resp: 131393

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 54.209 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

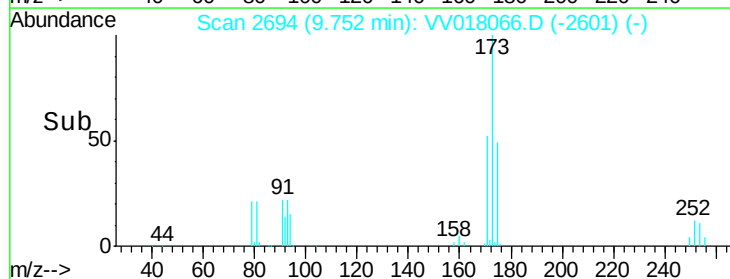
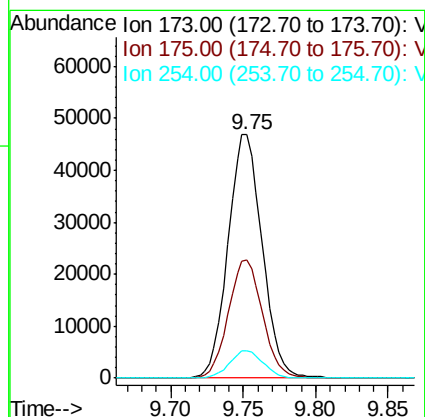
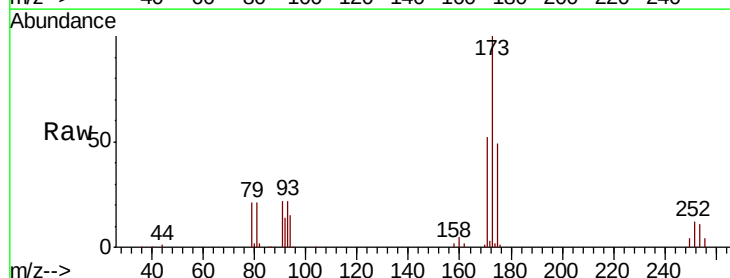
Tgt Ion: 173 Resp: 76498

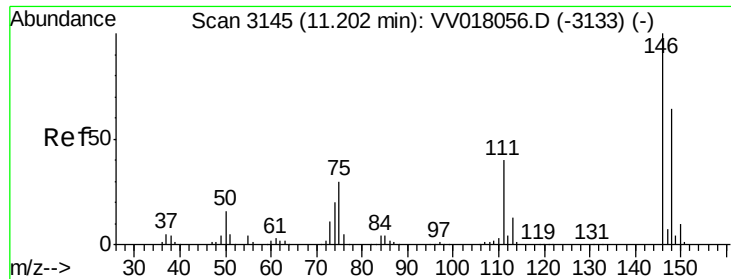
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 10.9 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 50.240 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

ClientSampleId :

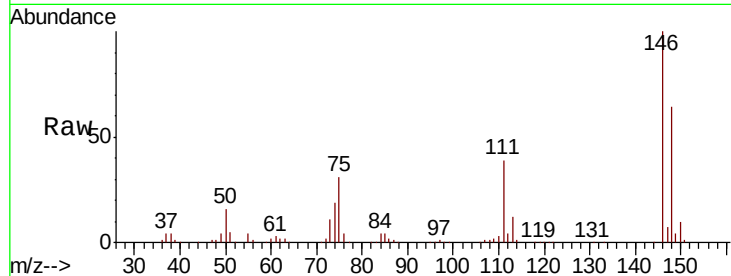
Tot Ion:146 Resp: 238267

Ion Ratio Lower Upper

146 100

111 39.4 28.8 53.4

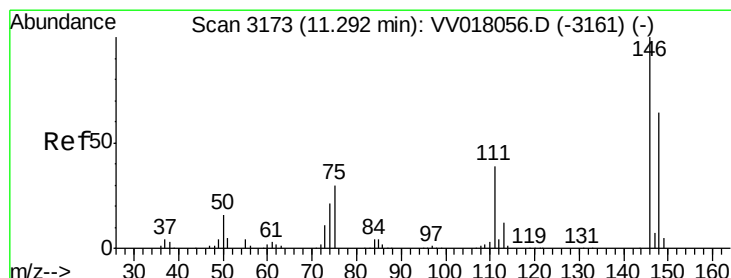
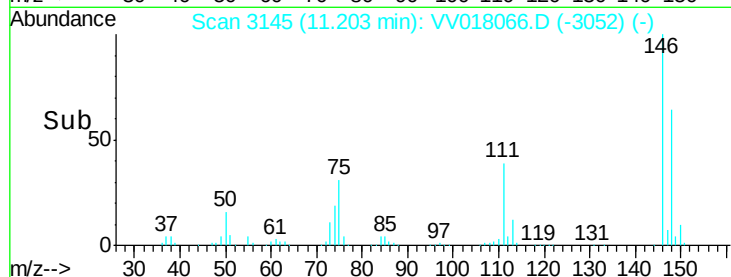
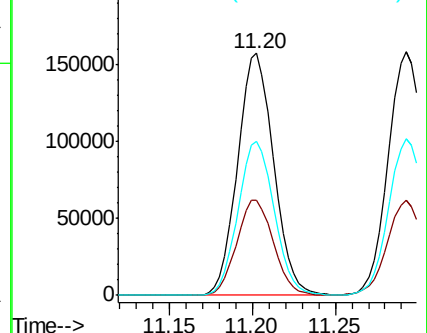
148 63.9 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.175 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

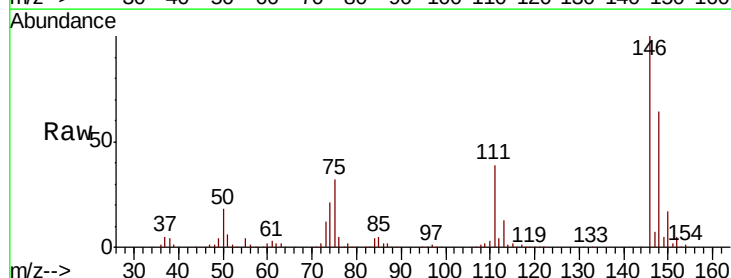
Tgt Ion:146 Resp: 244454

Ion Ratio Lower Upper

146 100

111 38.9 28.0 52.0

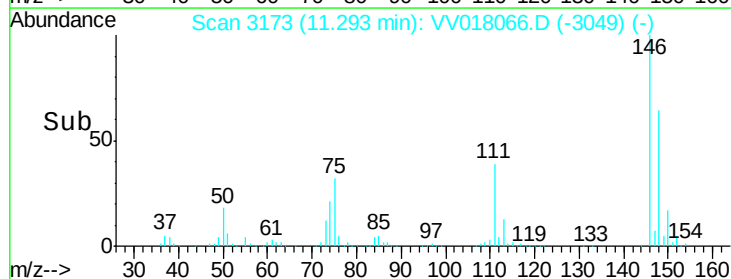
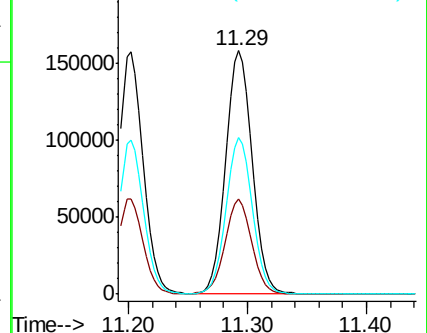
148 64.2 44.2 82.2

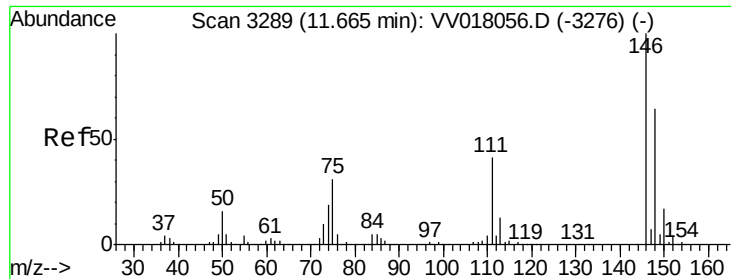


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

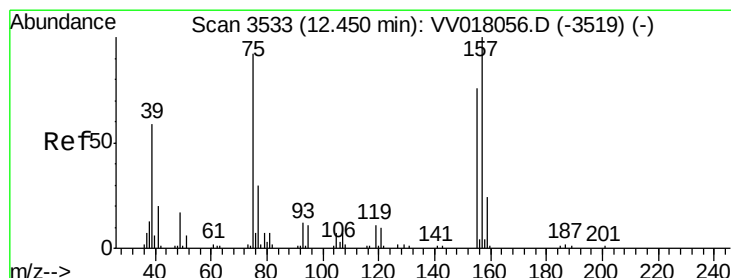
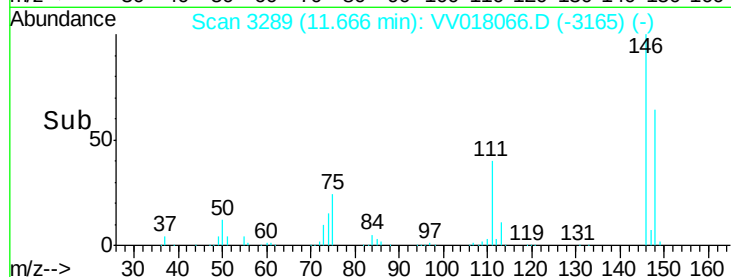
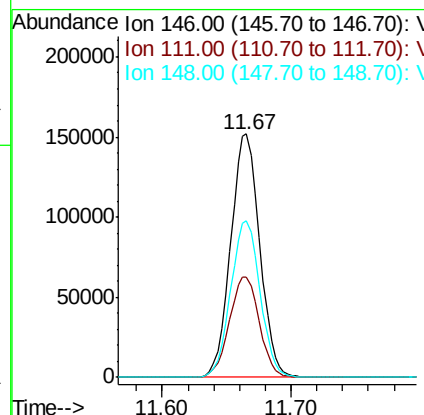
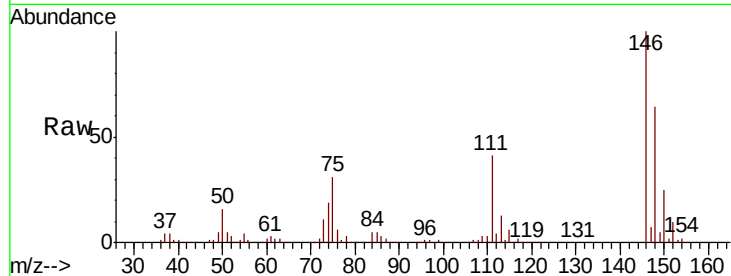




#65
 1,2-Dichlorobenzene
 Concen: 48.557 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

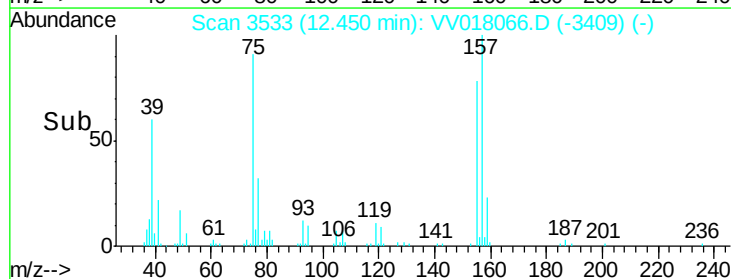
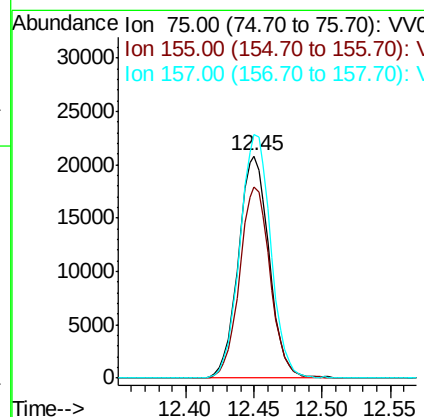
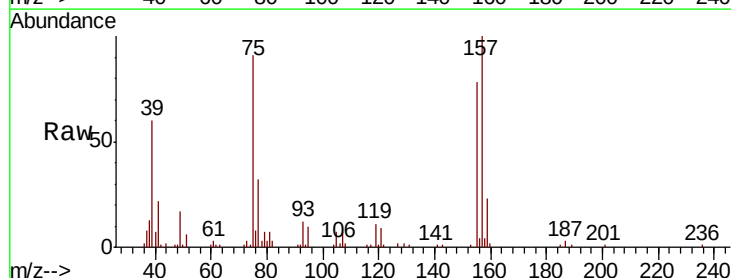
Instrument :
 MSVOA_V
 ClientSampleId :

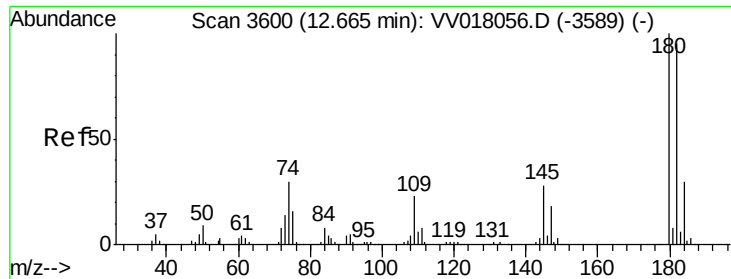
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	34.2	51.4
148	64.5	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.269 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	67.6	101.4
157	109.7	84.3	126.5

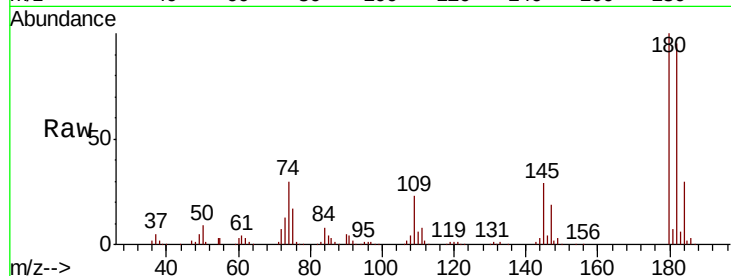




#67
 1,3,5-Trichlorobenzene
 Concen: 53.215 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.2	115.8
184	30.3	24.6	36.8
145	28.7	23.5	35.3

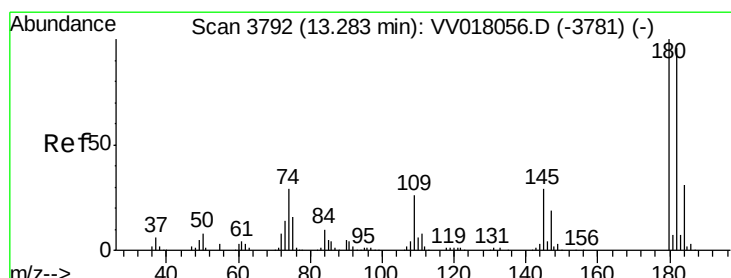
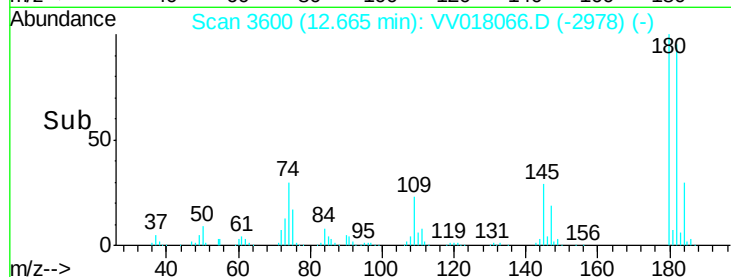
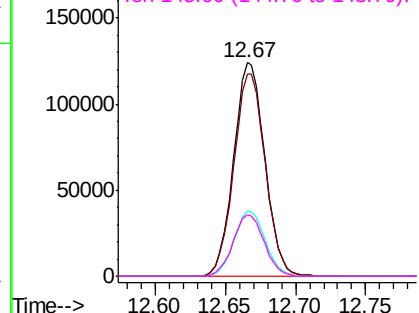


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

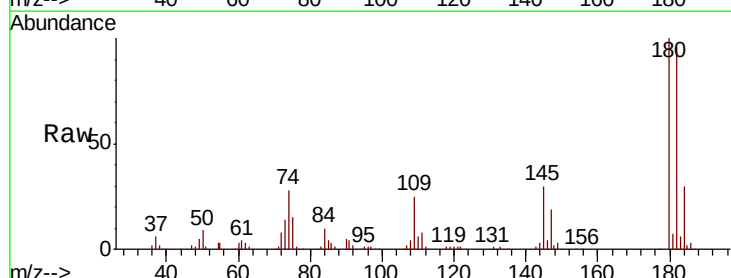
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.919 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018066.D
 Acq: 20 Aug 2020 12:32

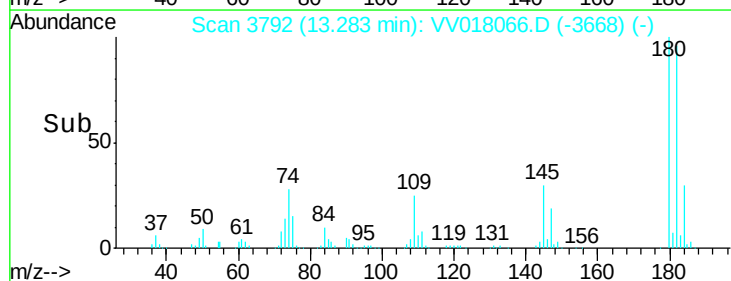
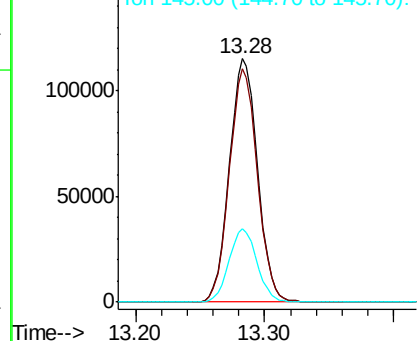
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	29.9	24.0	36.0

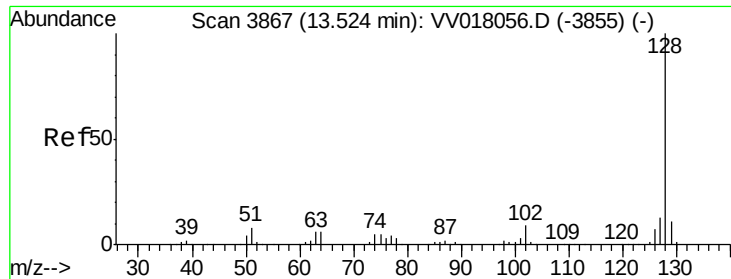


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.050 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

Instrument :

MSVOA_V

ClientSampleId :

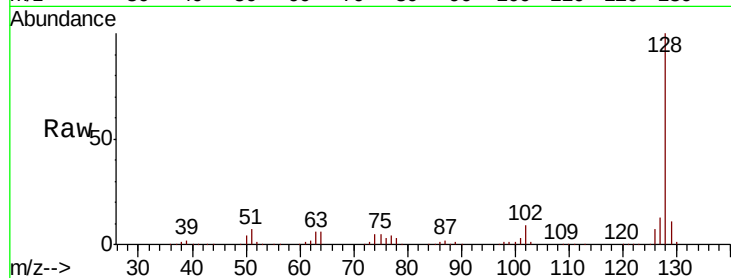
Tot Ion:128 Resp: 454420

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

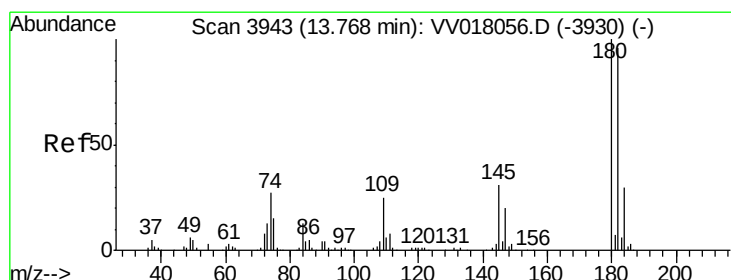
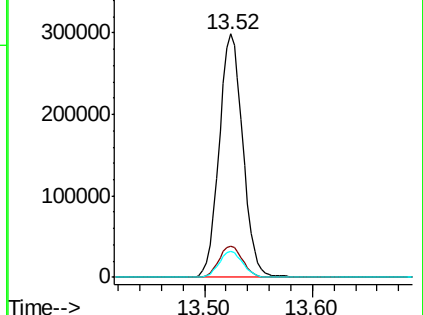
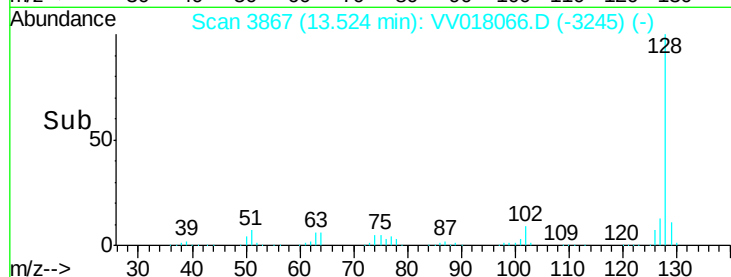
129 10.8 8.7 13.1



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: 53.767 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018066.D

Acq: 20 Aug 2020 12:32

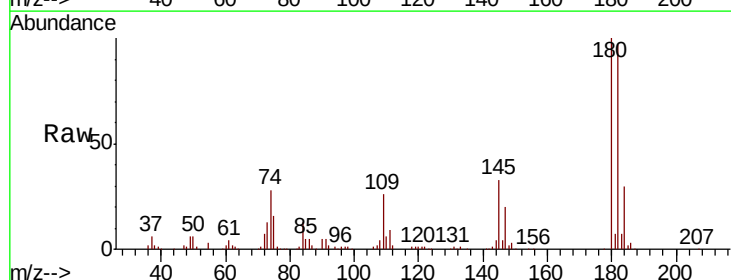
Tgt Ion:180 Resp: 173191

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.7 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

