

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019066.D
 Acq On : 22 Oct 2020 12:44
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Quant Time: Oct 22 13:17:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:09:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	307047	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299667	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139554	53.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	110775	53.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	261677	53.31	ug/L	0.00
21) 2-Butanone-d5	3.91	46	192331	107.41	ug/L	0.00
24) Chloroform-d	4.38	84	244430	52.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	165351	53.49	ug/L	0.00
32) Benzene-d6	5.07	84	468136	52.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	150145	52.73	ug/L	0.00
41) Toluene-d8	7.34	98	425539	53.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	78172	55.70	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	139359	127.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198589	58.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	165585	50.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	123562	46.482	ug/L 100
3) Chloromethane	1.25	50	150954	49.904	ug/L 100
5) Vinyl chloride	1.32	62	146964	50.076	ug/L 100
6) Bromomethane	1.53	94	85225	48.195	ug/L 100
8) Chloroethane	1.60	64	92515	52.160	ug/L 100
9) Trichlorofluoromethane	1.77	101	194623	49.951	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103882	51.153	ug/L 100
12) 1,1-Dichloroethene	2.13	96	103213	50.439	ug/L 100
13) Acetone	2.20	43	126725	97.964	ug/L 100
14) Carbon disulfide	2.31	76	337994	48.764	ug/L 100
15) Methyl Acetate	2.45	43	139756	52.323	ug/L 100
16) Methylene chloride	2.52	84	120019	49.194	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	109842	48.981	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	360267	50.553	ug/L 100
19) 1,1-Dichloroethane	3.21	63	220833	50.231	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	116431	49.052	ug/L 100
22) 2-Butanone	4.00	43	184266	105.225	ug/L 100
23) Bromochloromethane	4.28	128	60068	48.872	ug/L 100
25) Chloroform	4.40	83	216794	49.324	ug/L 100
27) 1,2-Dichloroethane	5.15	62	182846	50.645	ug/L 100
29) Cyclohexane	4.71	56	193981	53.370	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	191354	50.884	ug/L 100
31) Carbon tetrachloride	4.86	117	164410	51.218	ug/L 100
33) Benzene	5.13	78	475095	51.314	ug/L 100
34) Trichloroethene	5.94	95	117207	44.819	ug/L 100
35) Methylcyclohexane	6.16	83	169113	51.612	ug/L 100
37) 1,2-Dichloropropane	6.20	63	127417	51.506	ug/L 100
38) Bromodichloromethane	6.53	83	161621	50.860	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	193667	51.801	ug/L 100
40) 4-Methyl-2-pentanone	7.24	43	367161	107.549	ug/L 100

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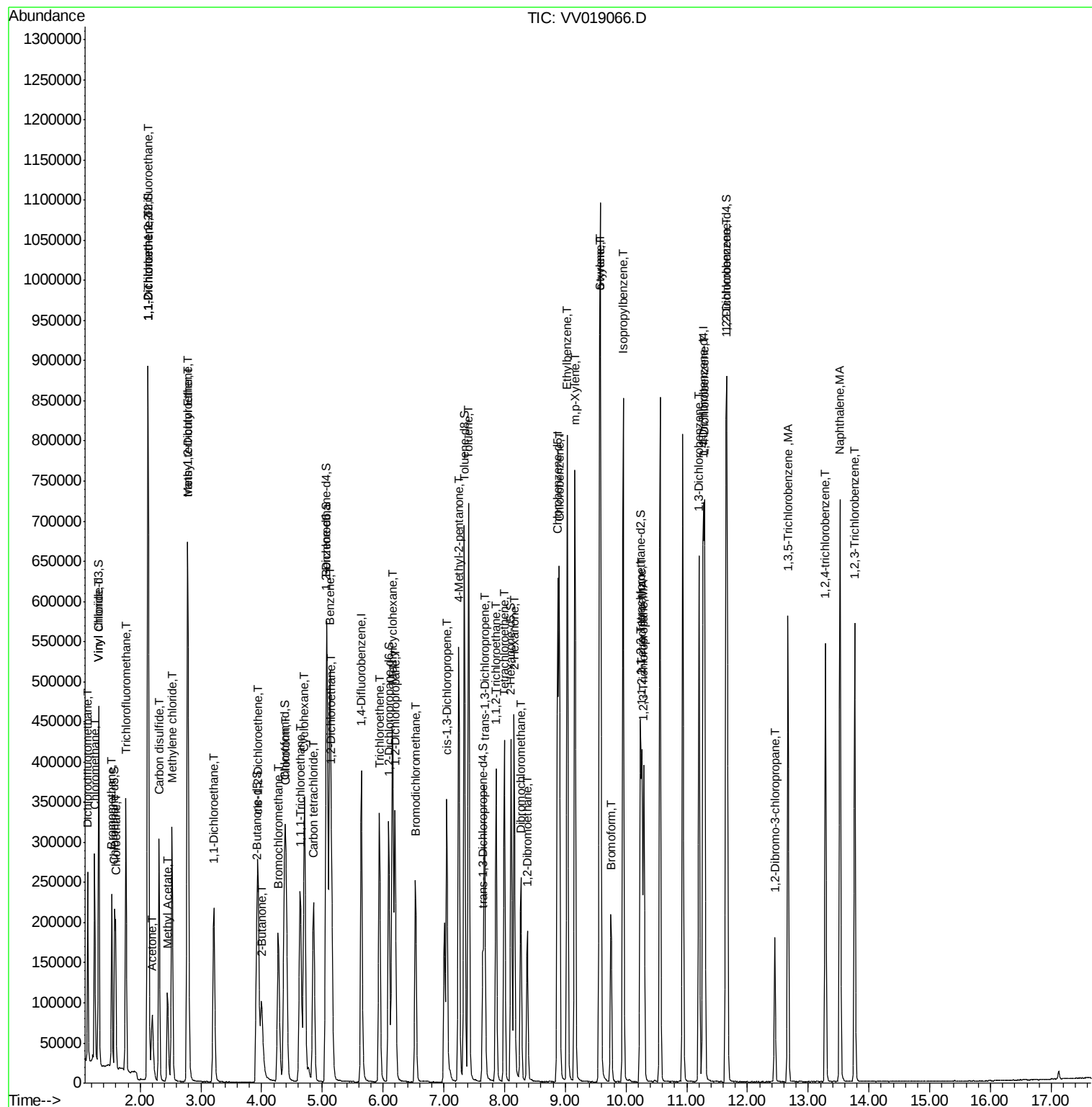
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	491719	51.679	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	194485	53.801	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	112005	48.905	ug/L	100
46) Tetrachloroethene	8.00	164	91897	49.018	ug/L	100
48) 2-Hexanone	8.16	43	285338	105.785	ug/L	100
49) Dibromochloromethane	8.27	129	125587	51.446	ug/L	100
50) 1,2-Dibromoethane	8.37	107	117878	49.441	ug/L	100
51) Chlorobenzene	8.90	112	308791	49.792	ug/L	100
52) Ethylbenzene	9.03	91	535317	51.934	ug/L	100
53) m,p-Xylene	9.16	106	198668	51.675	ug/L	100
54) o-xylene	9.56	106	191535	52.153	ug/L	100
55) Styrene	9.58	104	345162	53.342	ug/L	100
56) Isopropylbenzene	9.95	105	505940	52.404	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	186337	57.833	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	151431	50.644	ug/L	100
61) Bromoform	9.75	173	91510	52.532	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	244421	49.793	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	251346	48.824	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	242203	49.090	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	43685	57.310	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	163785	49.798	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	156716	51.537	ug/L	100
69) Naphthalene	13.52	128	517125	58.740	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	160842	52.915	ug/L	100

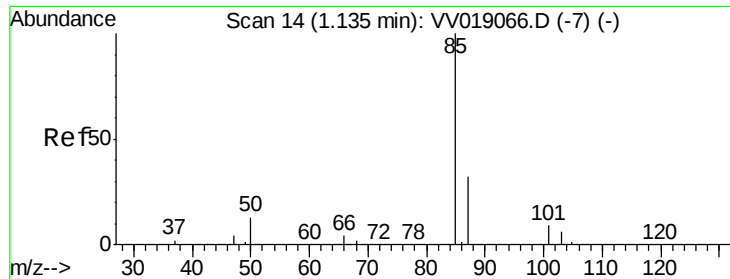
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.482 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

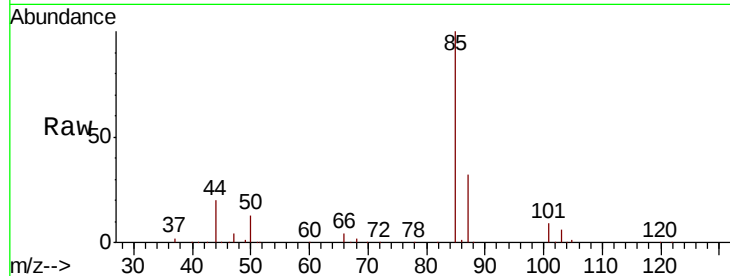
VSTD05063

Tot Ion: 85 Resp: 123562

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019066.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019066.D (-7) (-)

1.14

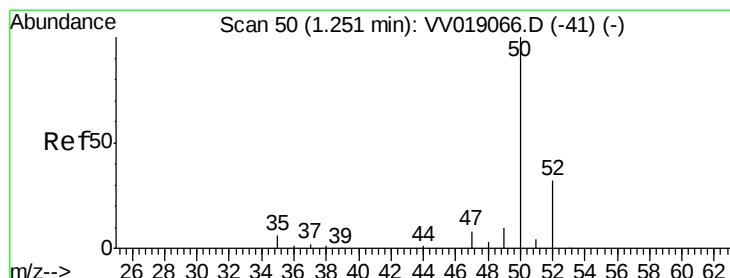
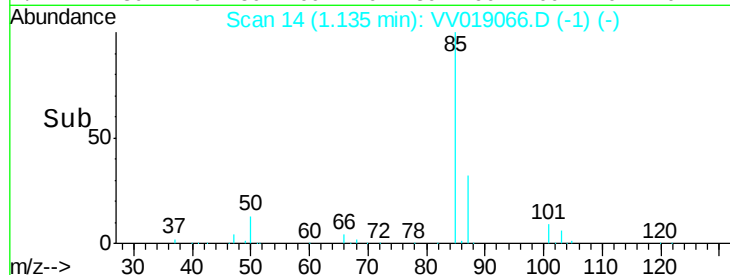
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.904 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019066.D

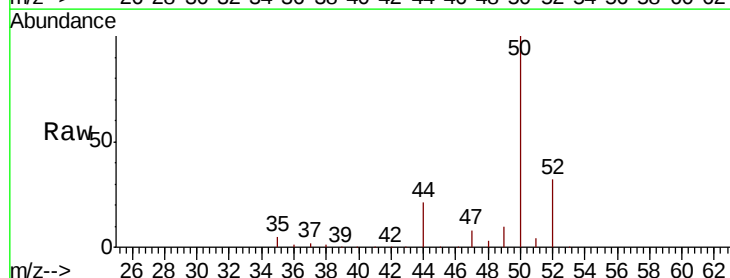
Acq: 22 Oct 2020 12:44

Tgt Ion: 50 Resp: 150954

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019066.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV019066.D (-41) (-)

1.25

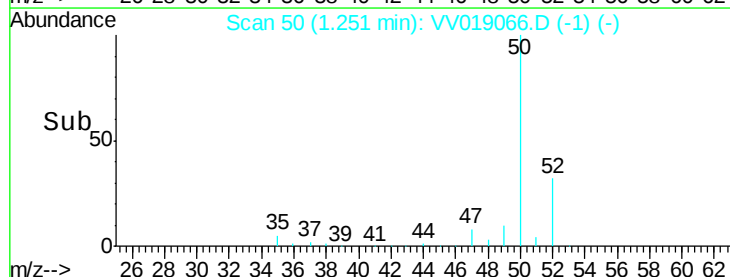
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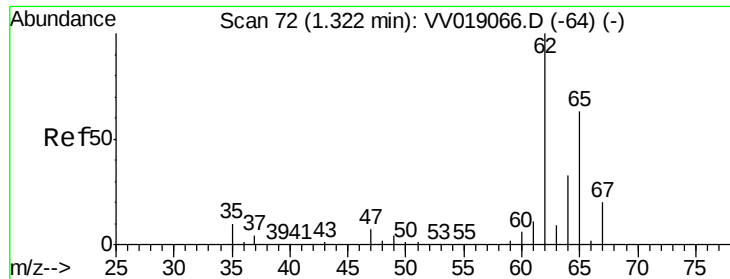
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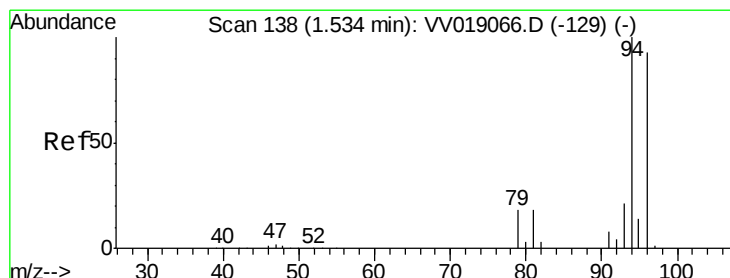
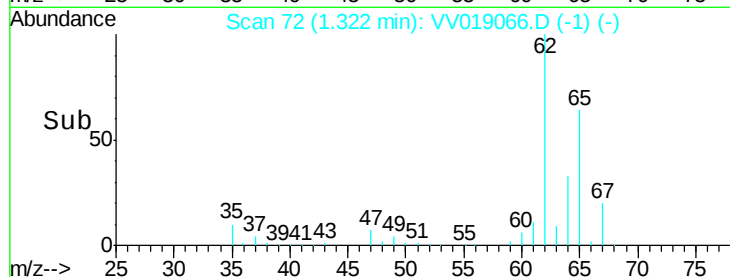
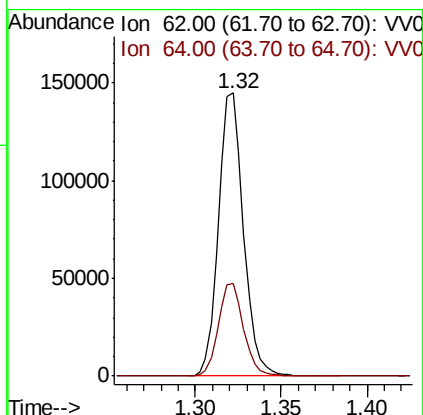
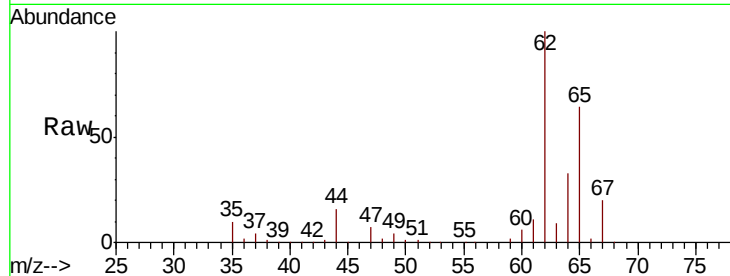




#5
 Vinyl chloride
 Concen: 50.076 ug/L
 RT: 1.32 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

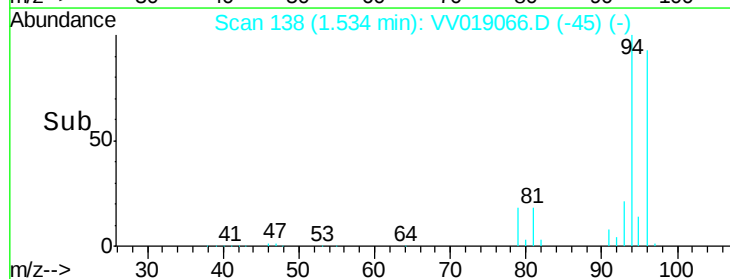
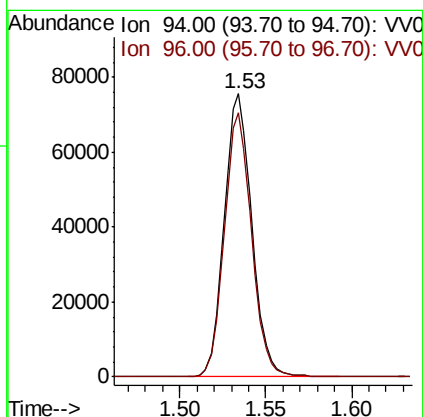
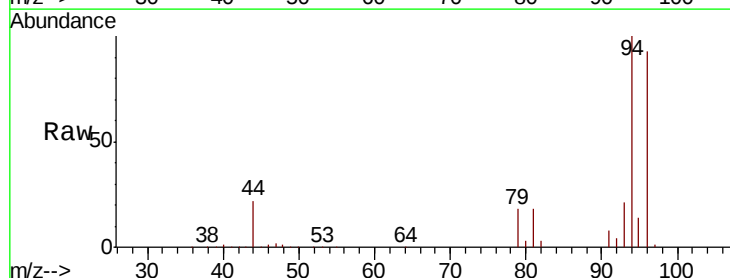
Instrument :
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 VSTD05063

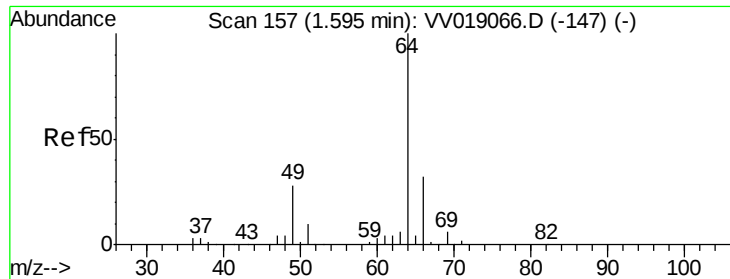
Tot Ion: 62 Resp: 146964
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 48.195 ug/L
 RT: 1.53 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

Tgt Ion: 94 Resp: 85225
 Ion Ratio Lower Upper
 94 100
 96 93.3 65.3 121.3

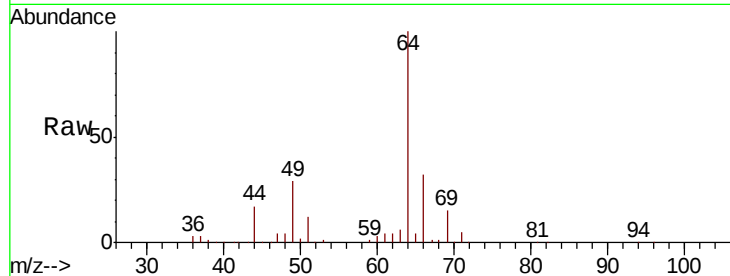




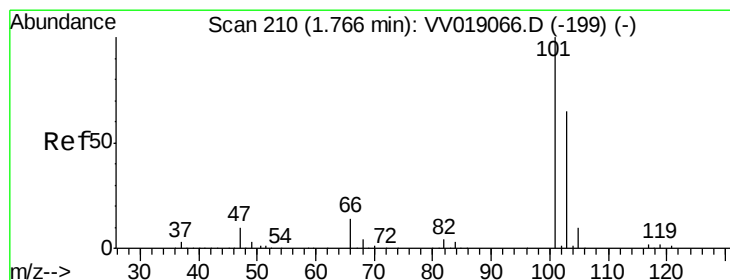
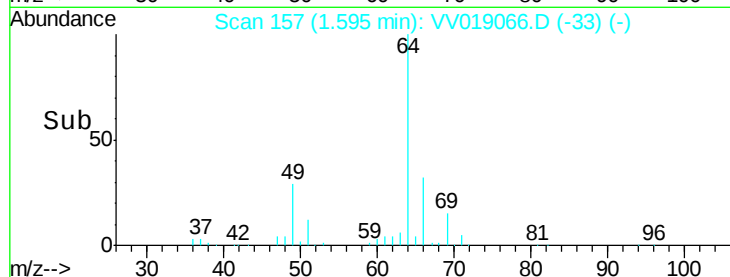
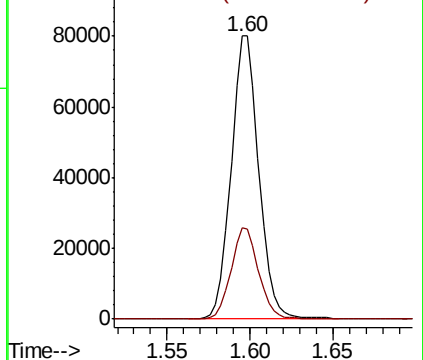
#8
Chloroethane
Concen: 52.160 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion: 64 Resp: 92515
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9

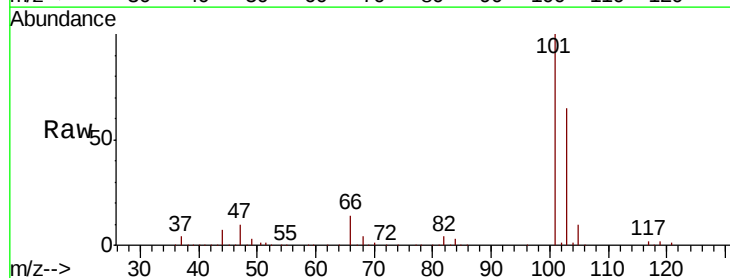


Abundance Ion 64.00 (63.70 to 64.70): VV019066.D (-147) (-)
Ion 66.00 (65.70 to 66.70): VV019066.D (-147) (-)

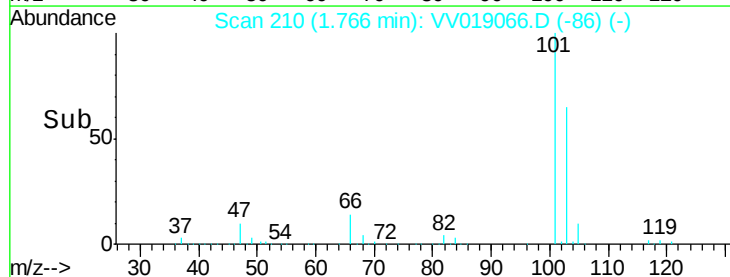
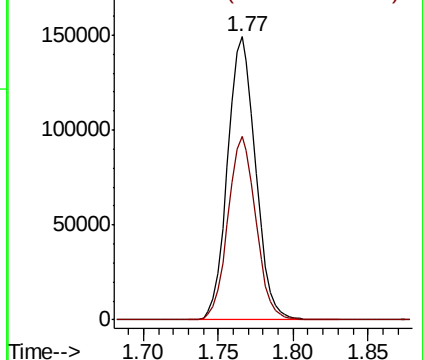


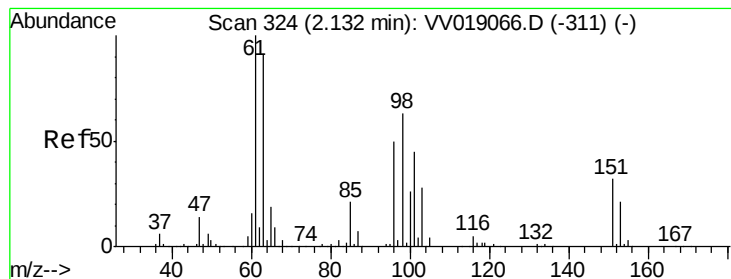
#9
Trichlorofluoromethane
Concen: 49.951 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Tgt Ion: 101 Resp: 194623
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019066.D (-199) (-)
Ion 103.00 (102.70 to 103.70): VV019066.D (-199) (-)





#10

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

Concen: 51.153 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

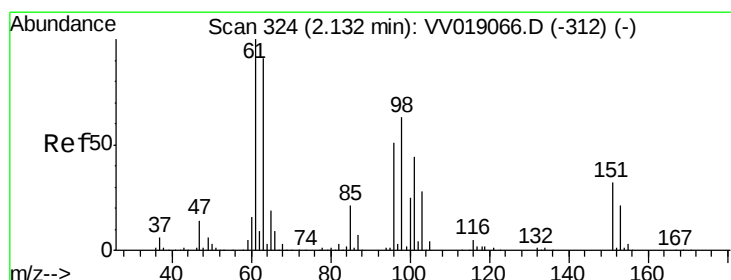
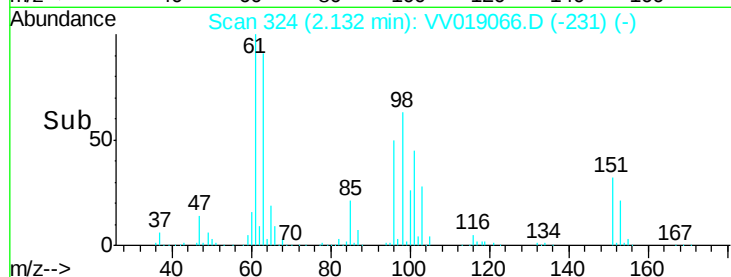
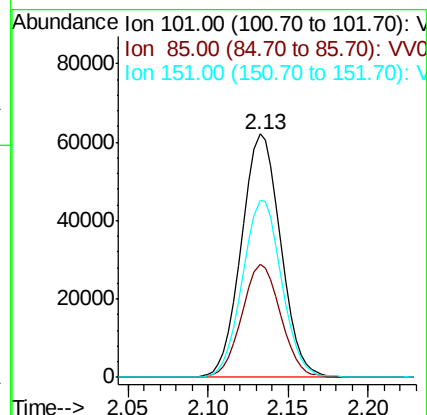
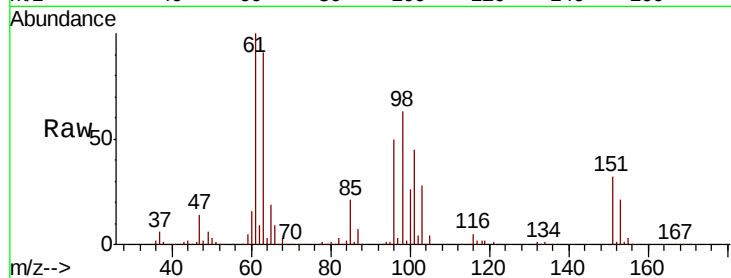
Tot Ion:101 Resp: 103882

Ion Ratio Lower Upper

101 100

85 46.1 36.9 55.3

151 72.7 58.2 87.2



#12

1,1-Dichloroethene

Concen: 50.439 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

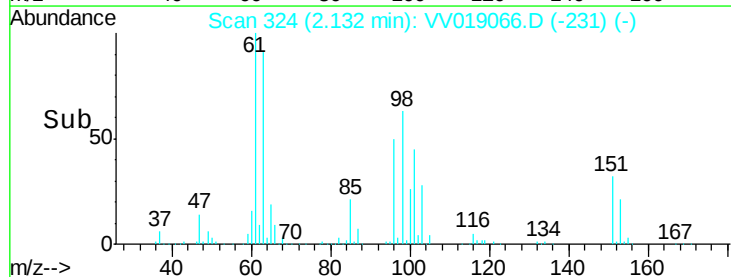
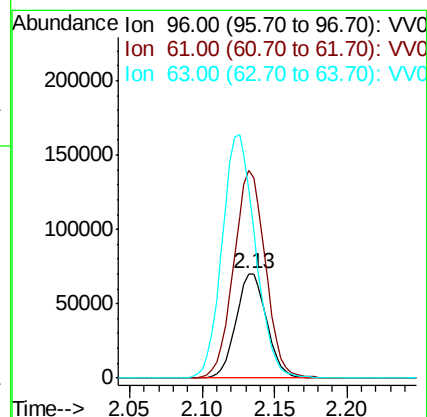
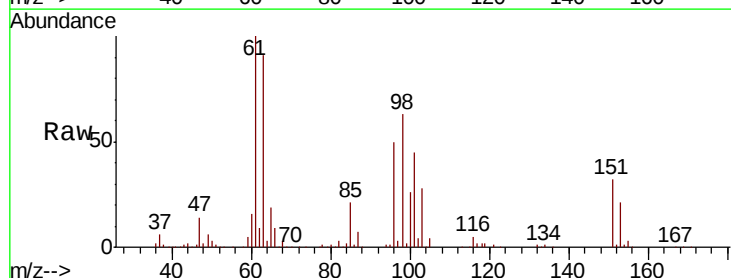
Tgt Ion: 96 Resp: 103213

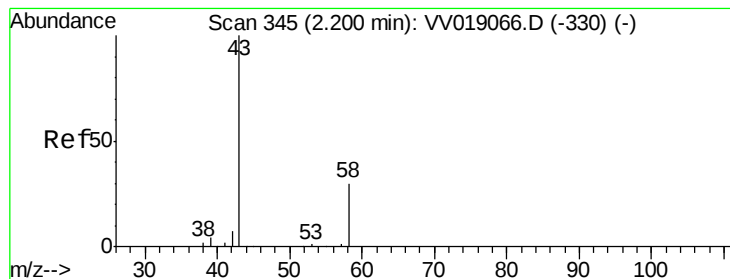
Ion Ratio Lower Upper

96 100

61 198.2 138.7 257.7

63 180.5 126.3 234.6





#13

Acetone

Concen: 97.964 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV019066.D

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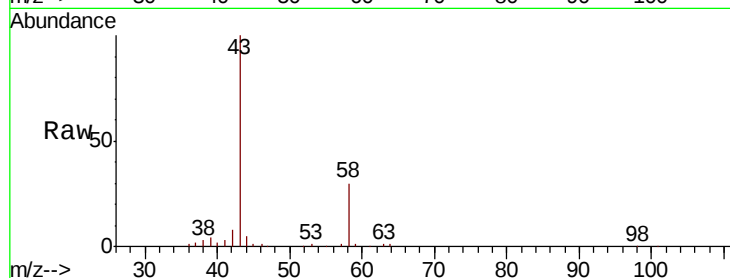
VSTD05063

Tot Ion: 43 Resp: 126725

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019066.D (-330) (-)

2.20

50000

40000

30000

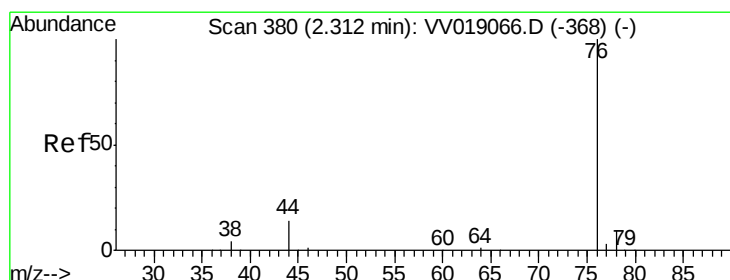
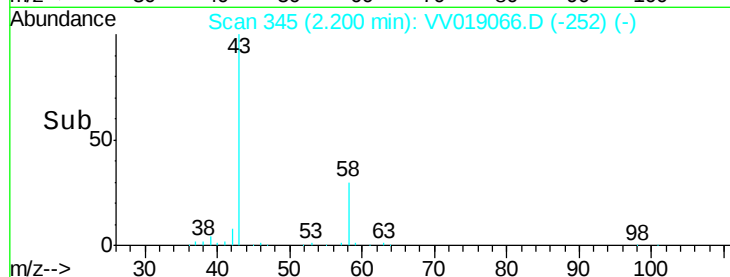
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 48.764 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019066.D

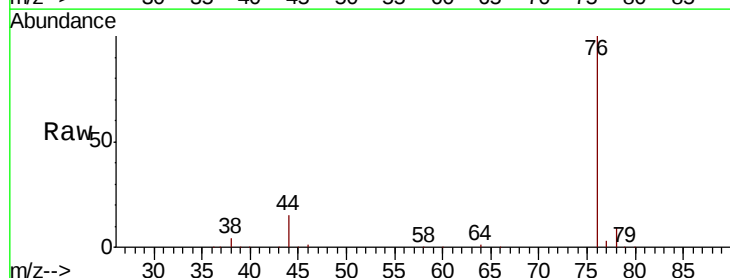
Acq: 22 Oct 2020 12:44

Tgt Ion: 76 Resp: 337994

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019066.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019066.D (-368) (-)

2.31

250000

200000

150000

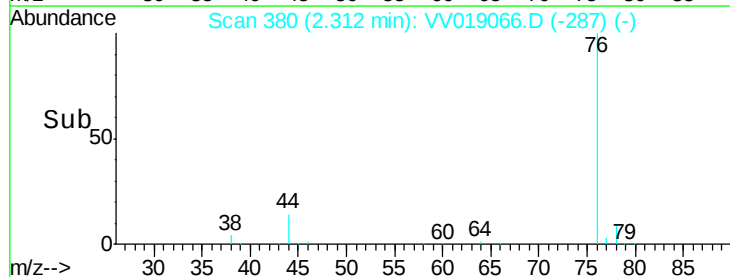
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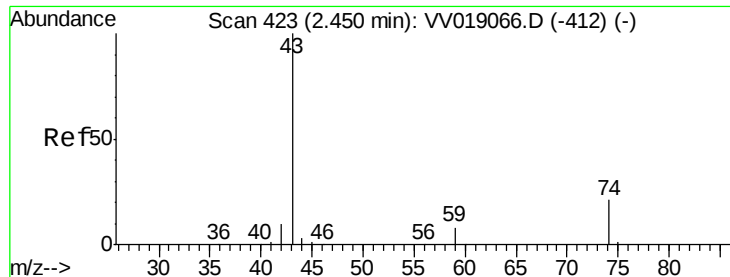
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Time-->

2.25 2.30 2.35 2.40

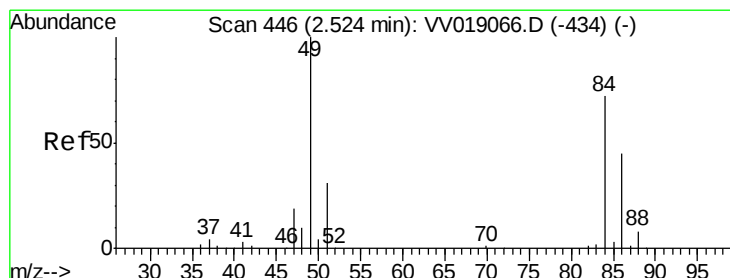
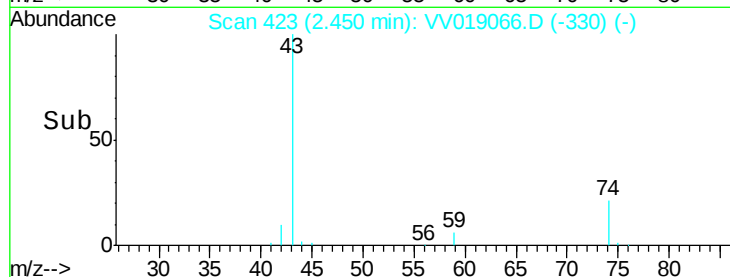
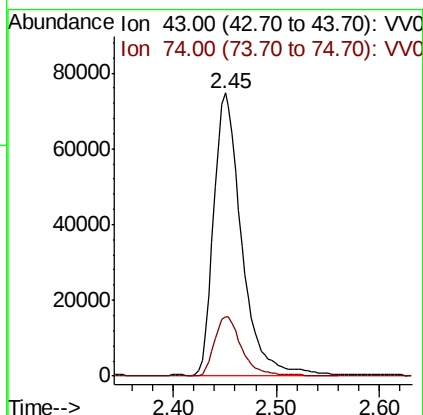
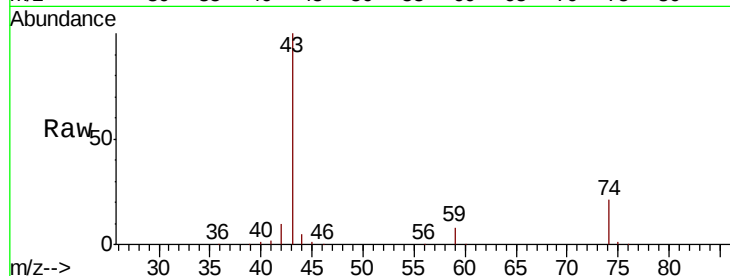




#15
Methvl Acetate
Concen: 52.323 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

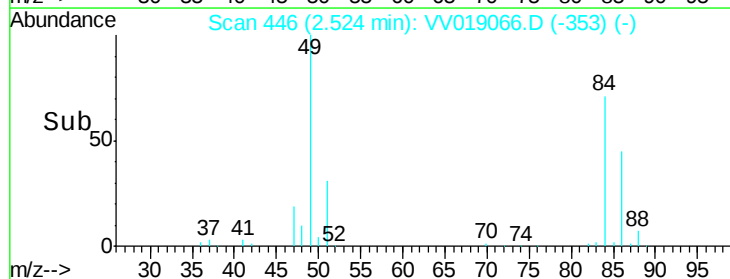
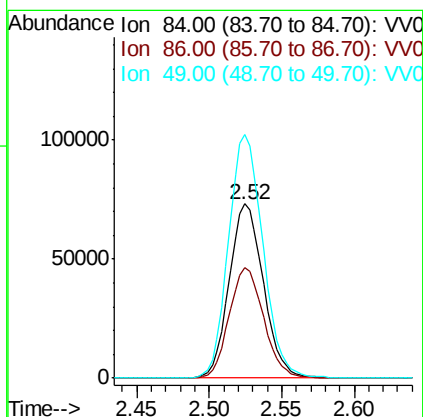
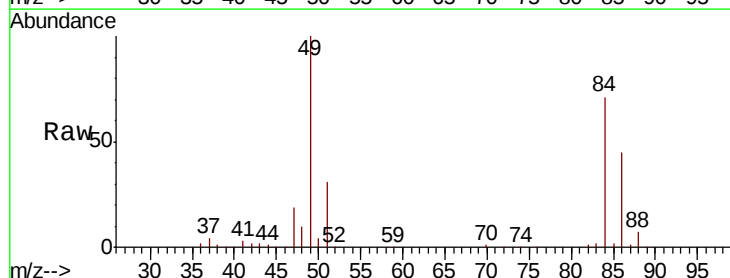
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

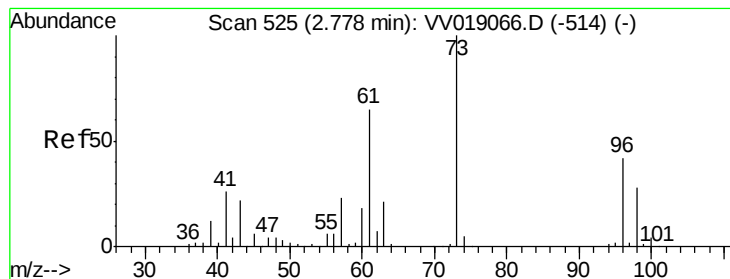
Tot Ion: 43 Resp: 139756
Ion Ratio Lower Upper
43 100
74 20.5 16.4 24.6



#16
Methylene chloride
Concen: 49.194 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Tgt Ion: 84 Resp: 120019
Ion Ratio Lower Upper
84 100
86 63.2 44.2 82.2
49 140.0 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 48.981 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

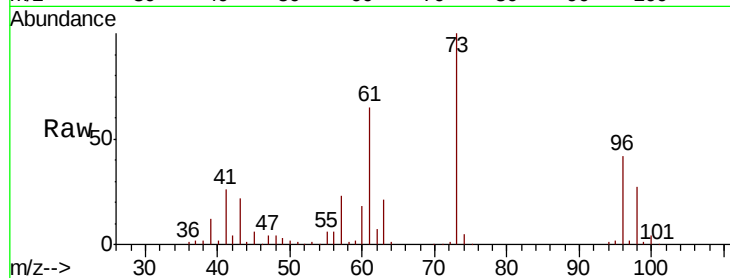
Tot Ion: 96 Resp: 109842

Ion Ratio Lower Upper

96 100

61 155.2 108.6 201.8

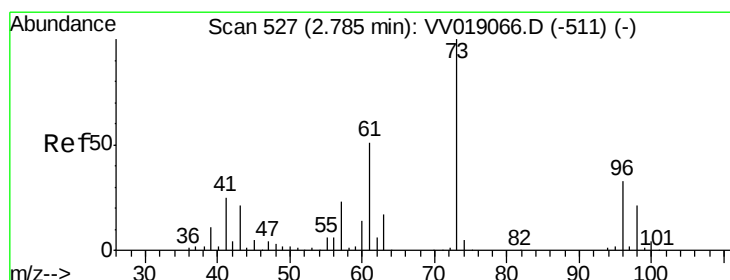
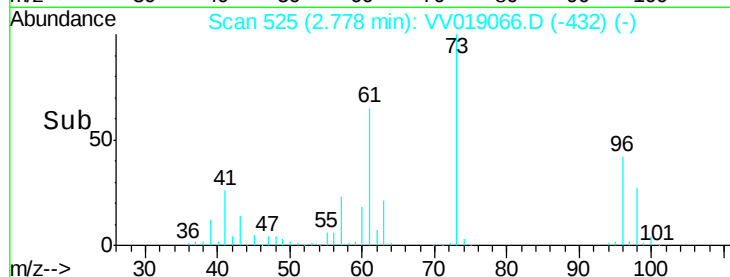
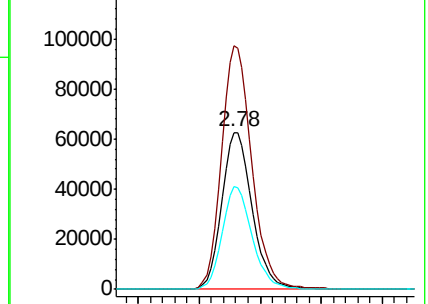
98 65.3 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV019066.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV019066.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV019066.D (-514) (-)



#18

Methyl tert-butyl Ether

Concen: 50.553 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

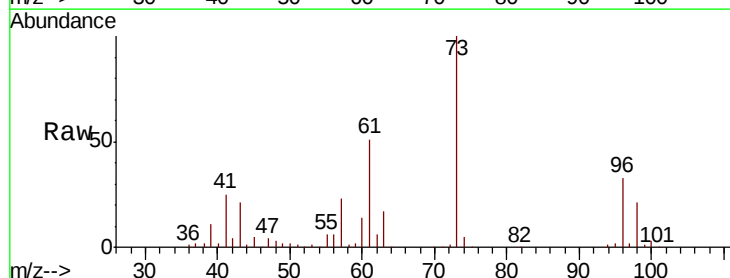
Tgt Ion: 73 Resp: 360267

Ion Ratio Lower Upper

73 100

43 21.5 17.2 25.8

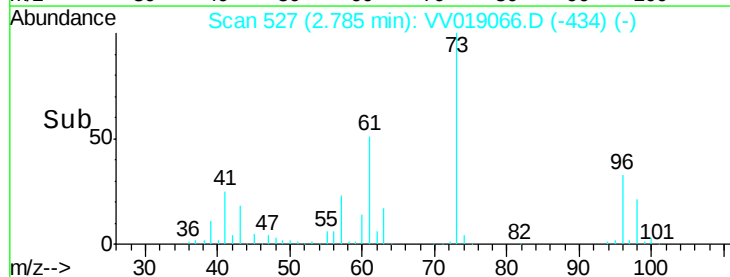
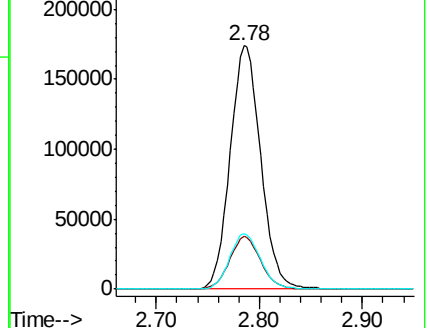
57 23.1 18.5 27.7

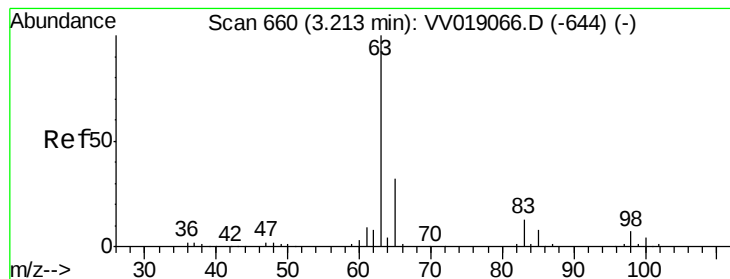


Abundance Ion 73.00 (72.70 to 73.70): VV019066.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV019066.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV019066.D (-511) (-)





#19

1,1-Dichloroethane

Concen: 50.231 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

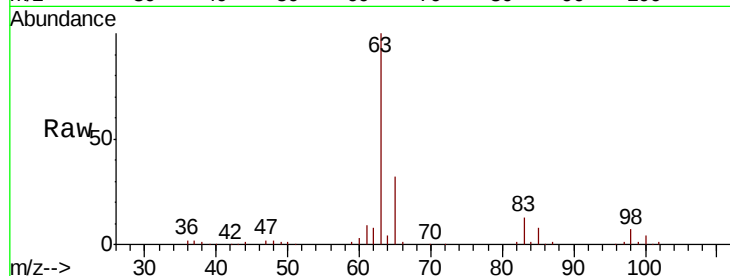
Tot Ion: 63 Resp: 220833

Ion Ratio Lower Upper

63 100

65 32.4 22.7 42.1

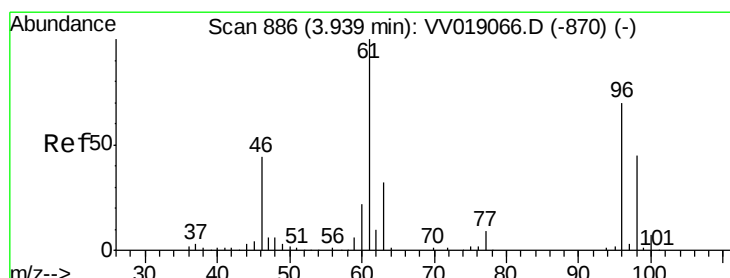
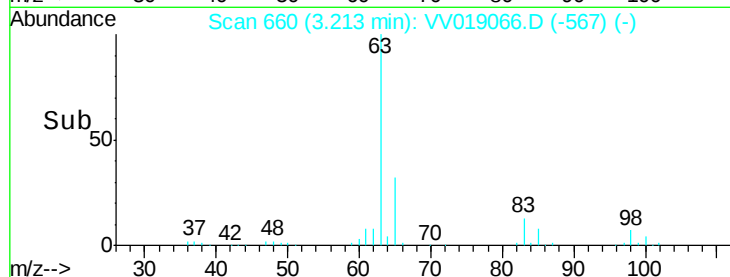
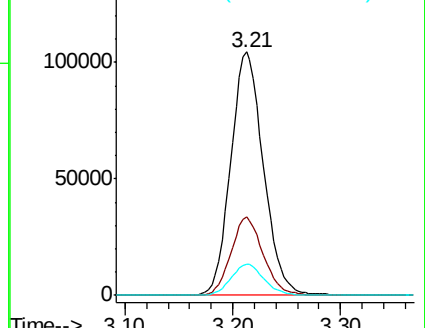
83 12.9 9.0 16.8



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: 49.052 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

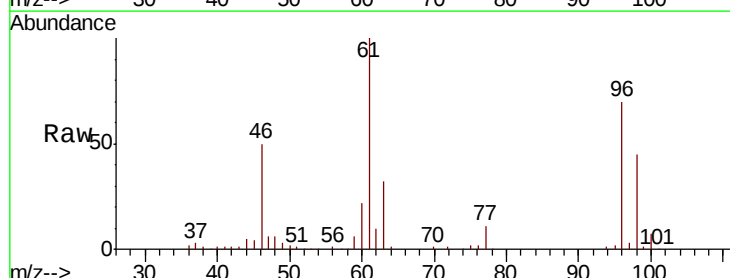
Tgt Ion: 96 Resp: 116431

Ion Ratio Lower Upper

96 100

61 142.0 99.4 184.6

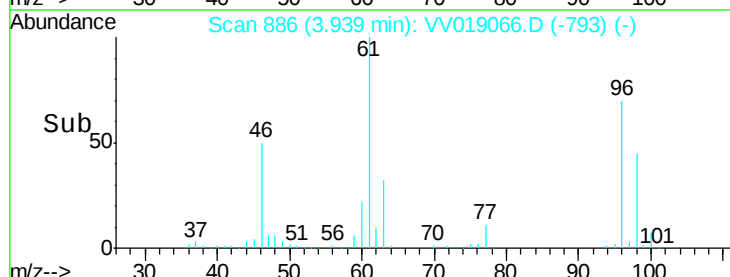
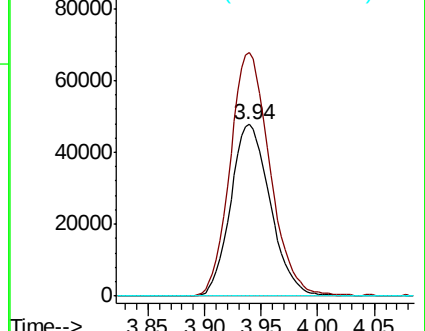
68 0.0 0.0 0.0

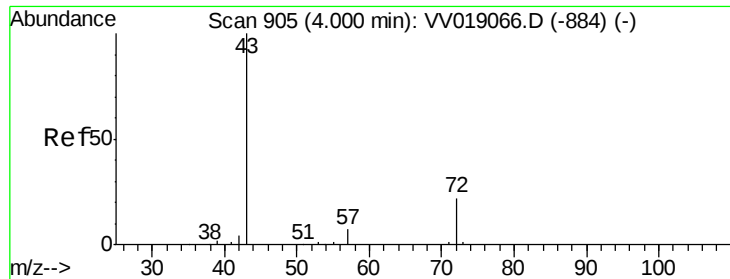


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 105.225 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

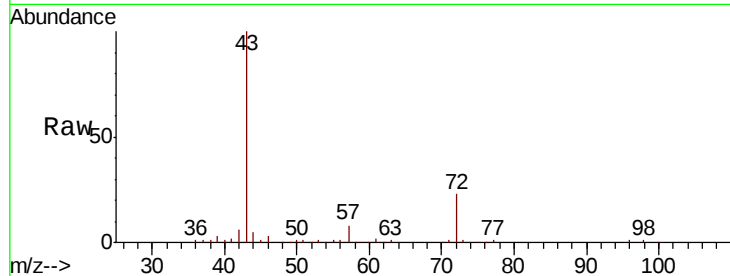
VSTD05063

Tot Ion: 43 Resp: 184266

Ion Ratio Lower Upper

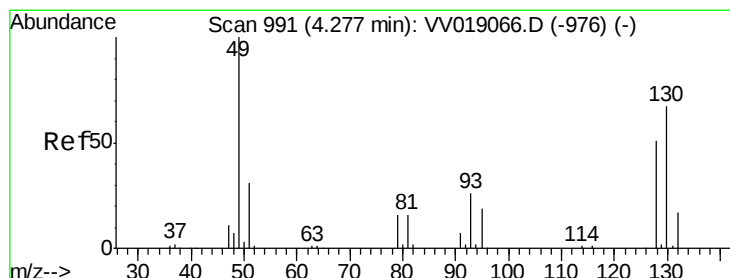
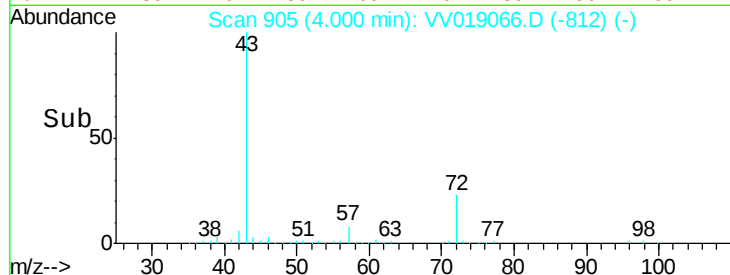
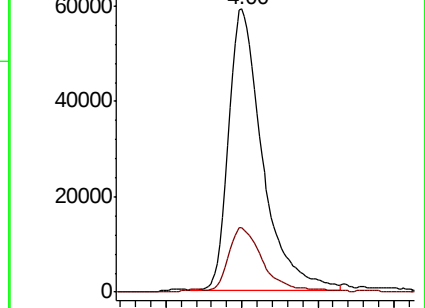
43 100

72 21.6 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV019066.D (-884) (-)



#23

Bromochloromethane

Concen: 48.872 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Tgt Ion: 128 Resp: 60068

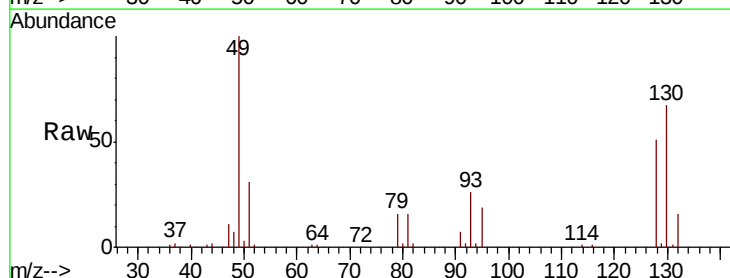
Ion Ratio Lower Upper

128 100

49 195.8 137.1 254.5

130 131.5 92.0 170.9

51 61.2 49.0 73.4

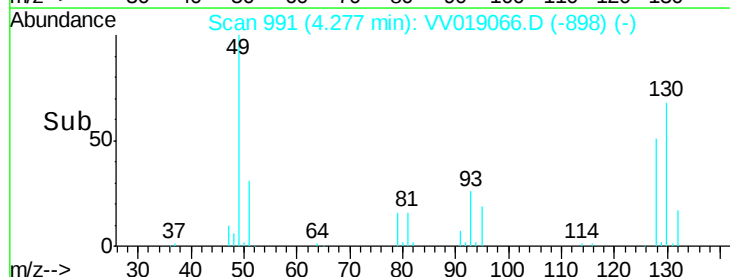
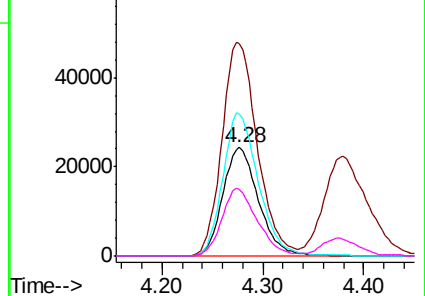


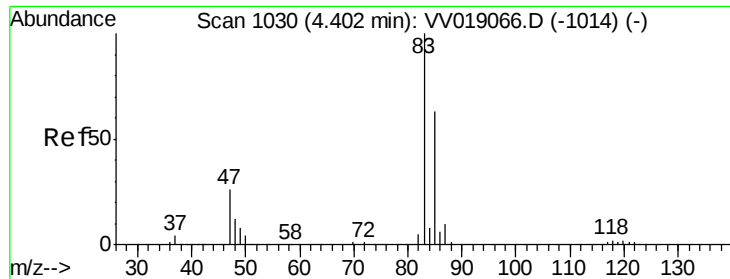
Abundance Ion 128.00 (127.70 to 128.70): VV019066.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV019066.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV019066.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV019066.D (-976) (-)

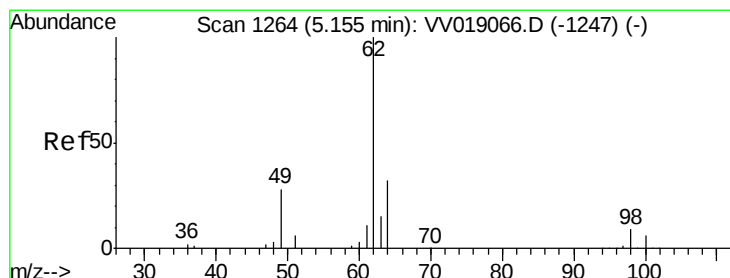
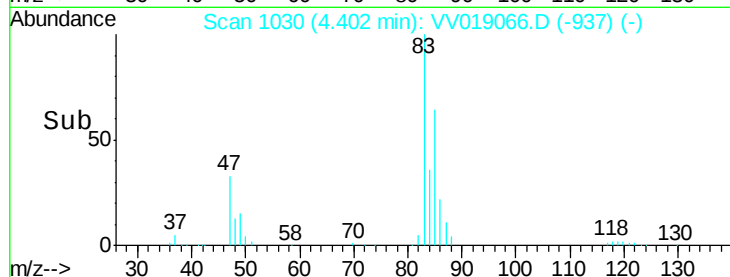
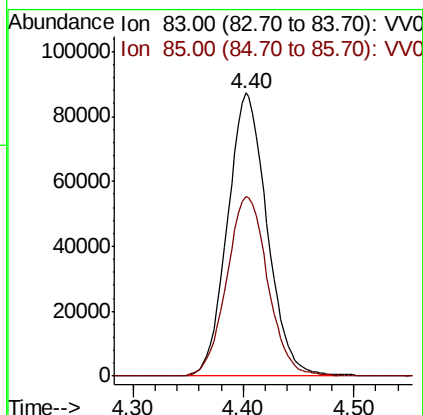
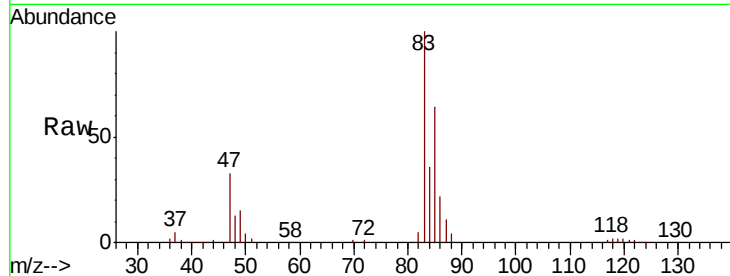




#25
Chloroform
Concen: 49.324 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

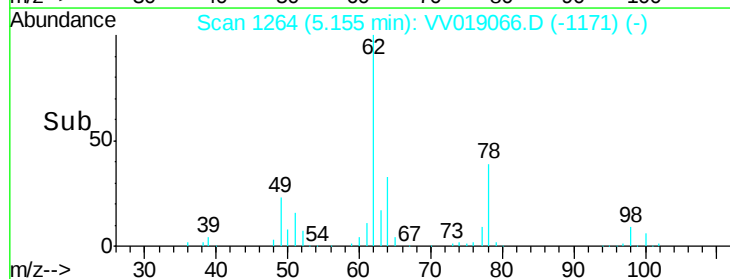
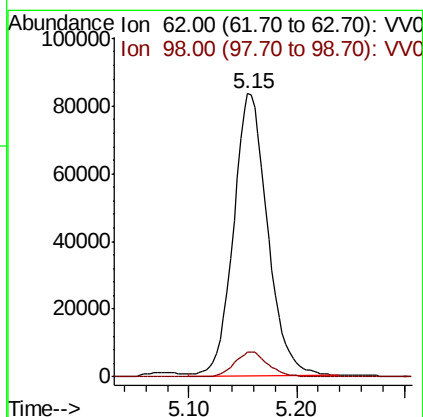
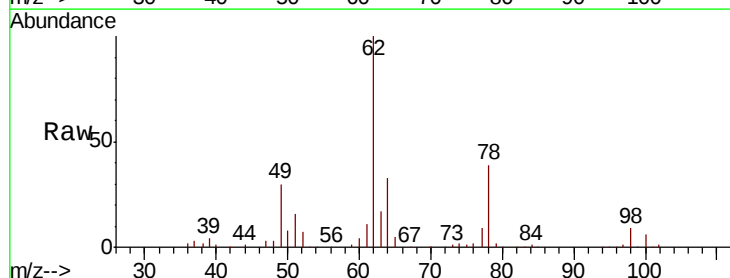
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

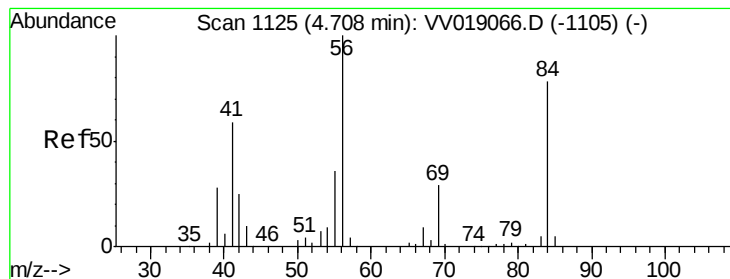
Tot Ion: 83 Resp: 216794
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7



#27
1,2-Dichloroethane
Concen: 50.645 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Tgt Ion: 62 Resp: 182846
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 53.370 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

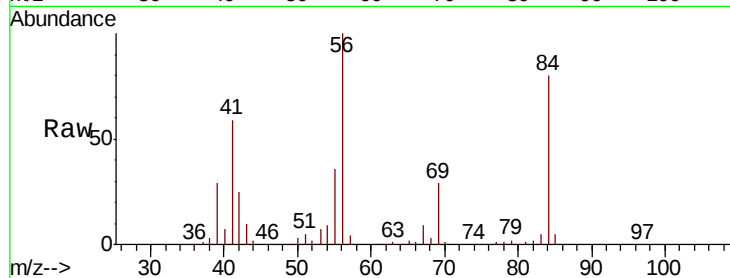
Tot Ion: 56 Resp: 193981

Ion Ratio Lower Upper

56 100

69 28.4 22.7 34.1

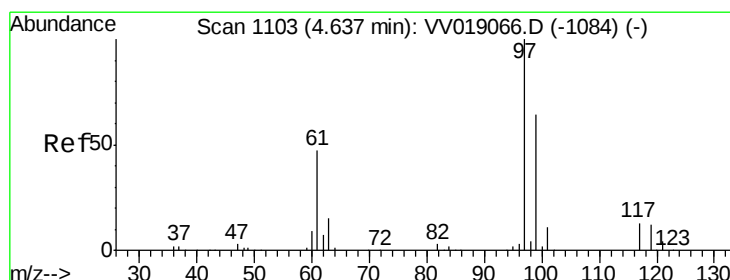
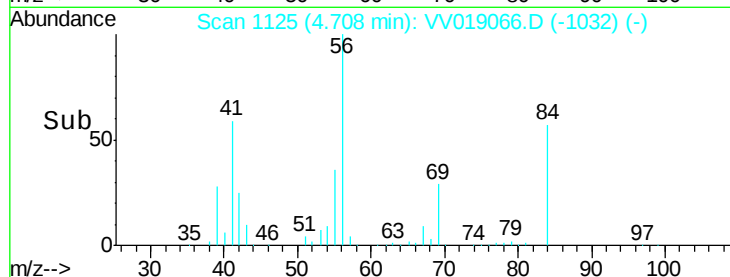
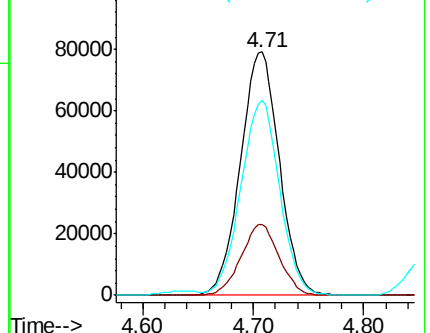
84 79.4 63.5 95.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.884 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

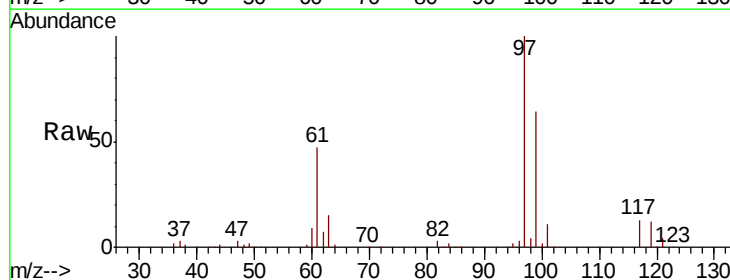
Tgt Ion: 97 Resp: 191354

Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

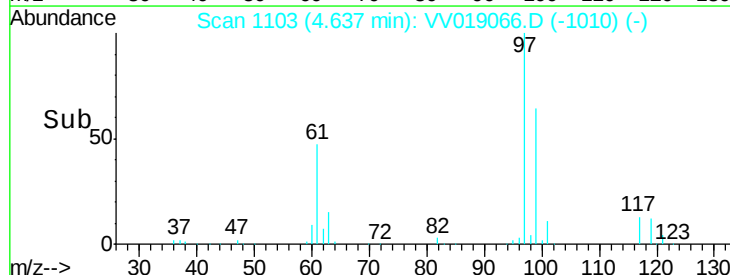
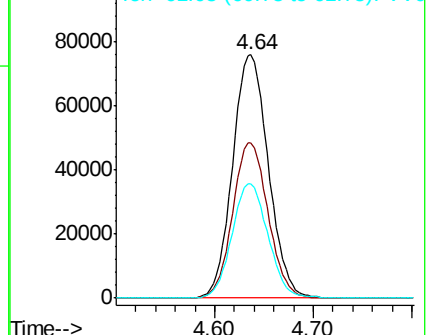
61 47.6 38.1 57.1

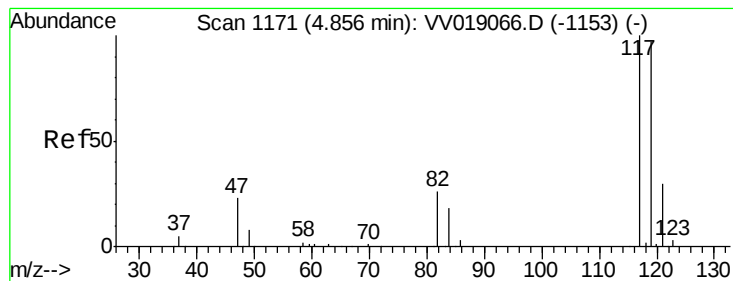


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.218 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

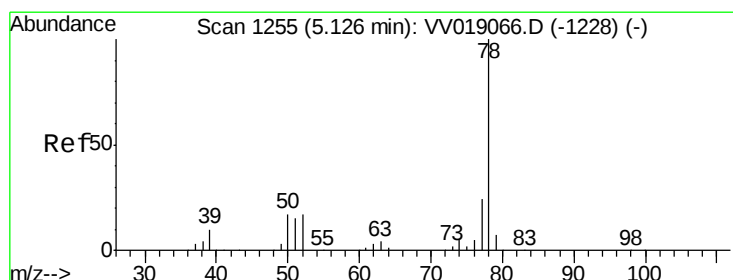
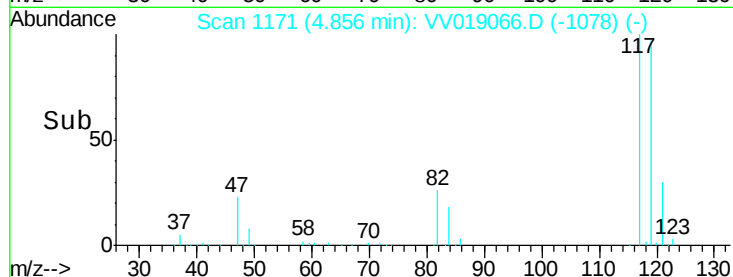
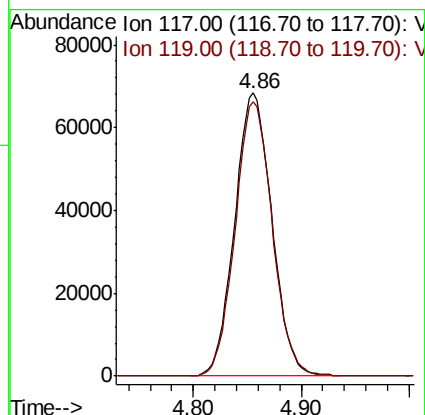
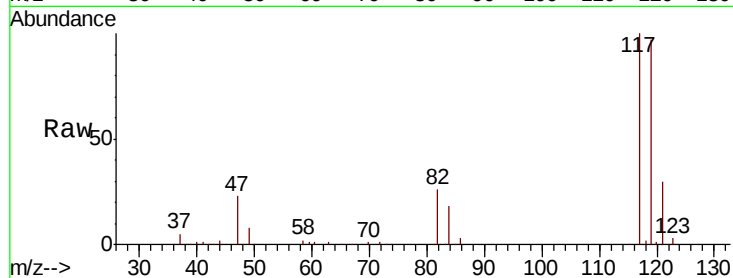
VSTD05063

Tot Ion:117 Resp: 164410

Ion Ratio Lower Upper

117 100

119 96.5 77.2 115.8



#33

Benzene

Concen: 51.314 ug/L

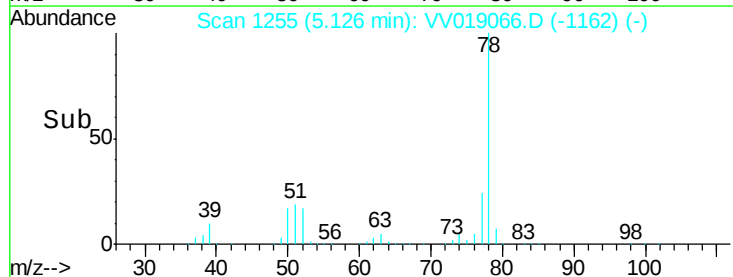
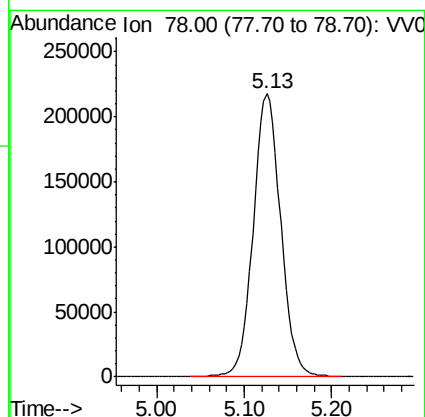
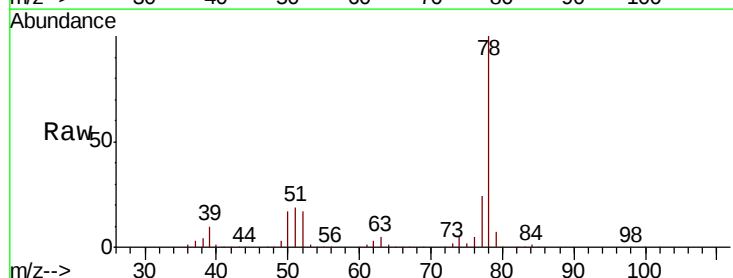
RT: 5.13 min Scan# 1255

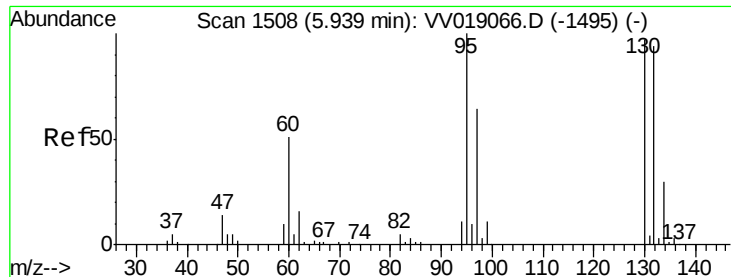
Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Tgt Ion: 78 Resp: 475095





#34

Trichloroethene

Concen: 44.819 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

Tot Ion: 95 Resp: 117207

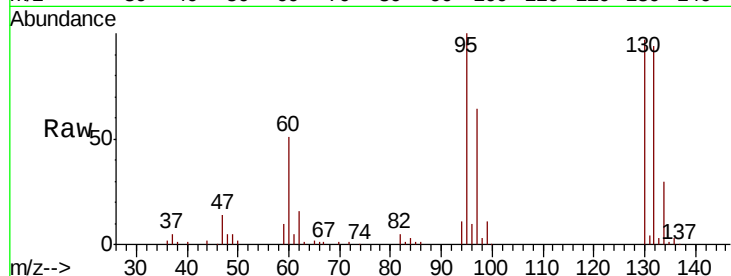
Ion Ratio Lower Upper

95 100

97 63.7 44.6 82.8

132 94.3 66.0 122.6

130 96.6 67.6 125.6

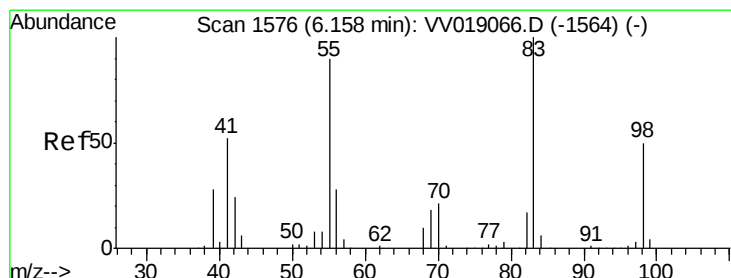
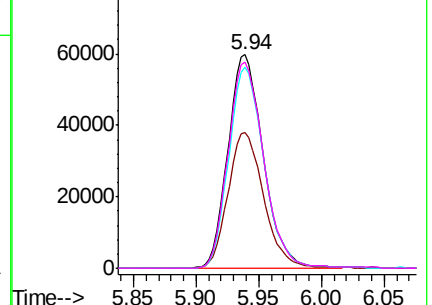
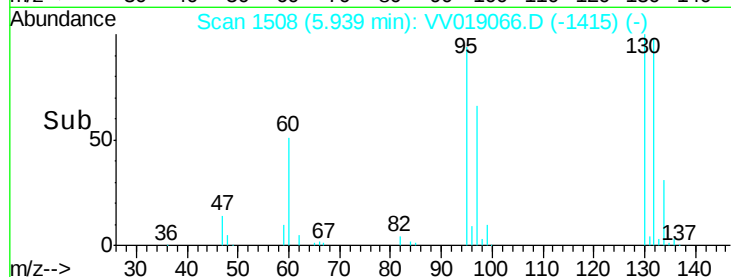


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.612 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

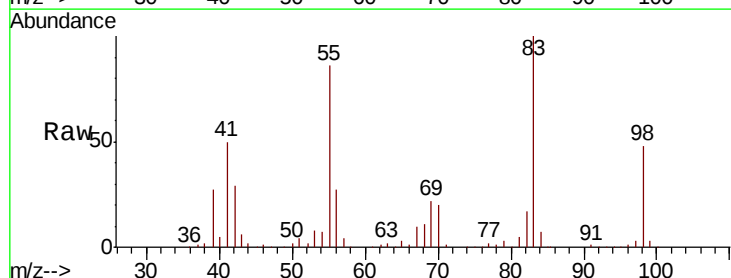
Tgt Ion: 83 Resp: 169113

Ion Ratio Lower Upper

83 100

55 85.1 68.1 102.1

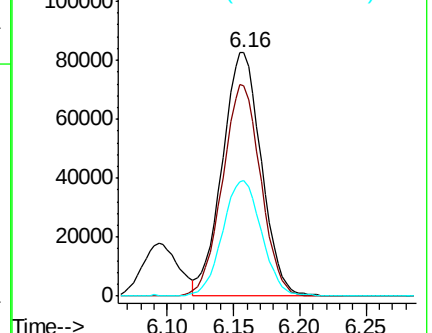
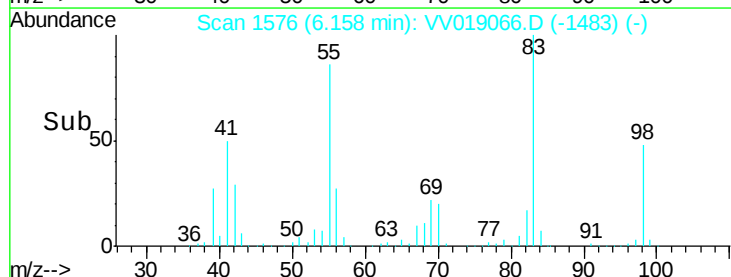
98 47.4 37.9 56.9

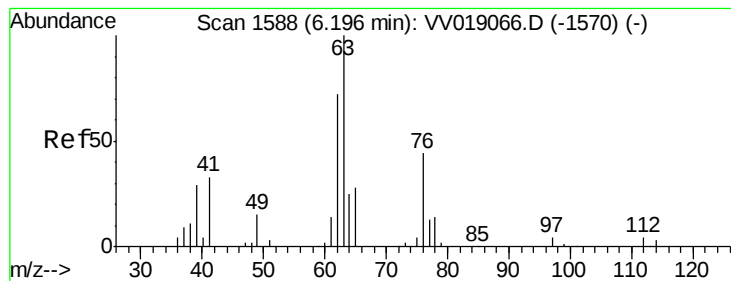


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 51.506 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

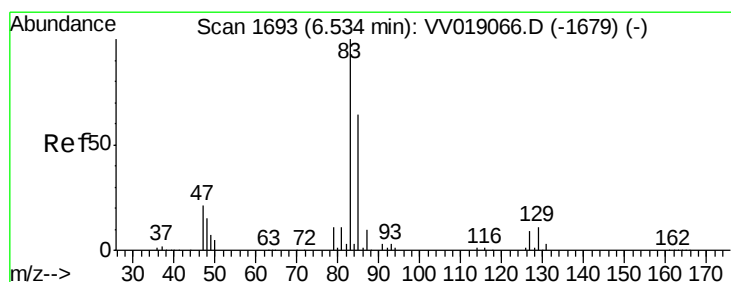
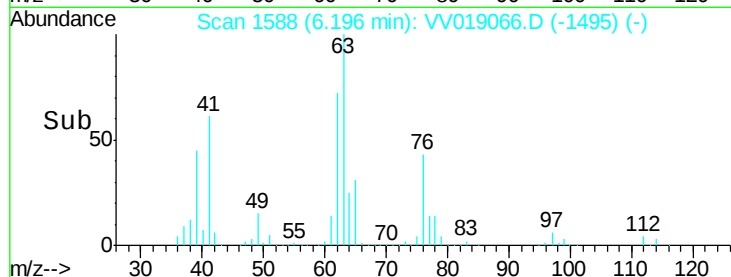
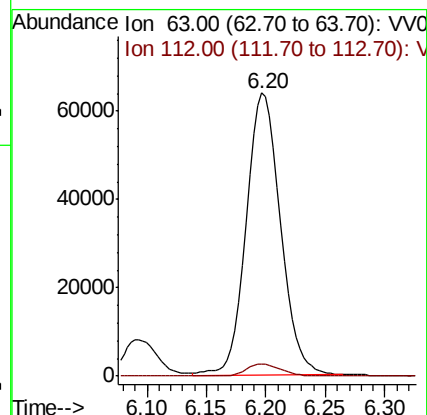
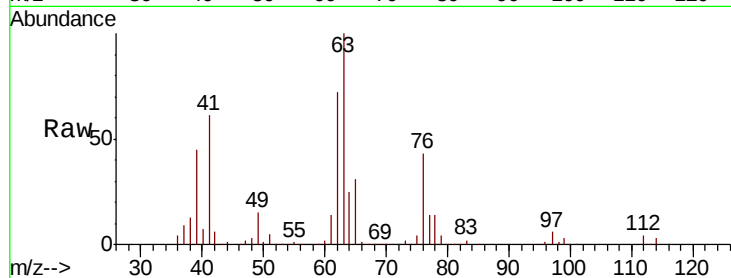
VSTD05063

Tot Ion: 63 Resp: 127417

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 50.860 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

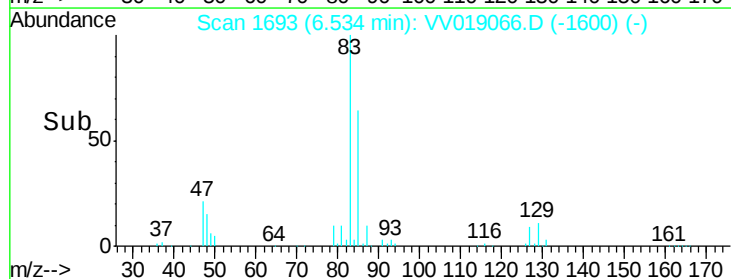
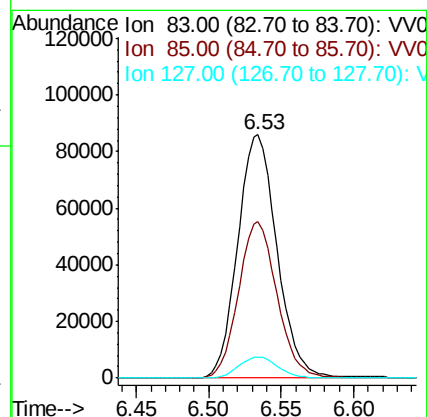
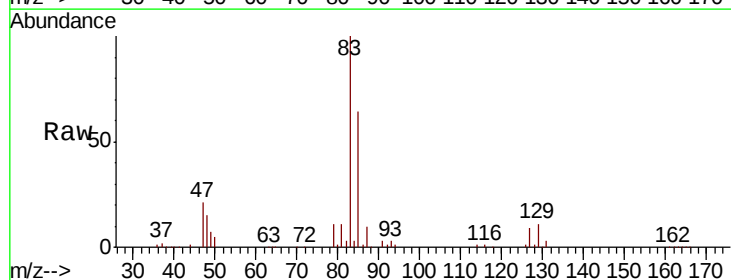
Tgt Ion: 83 Resp: 161621

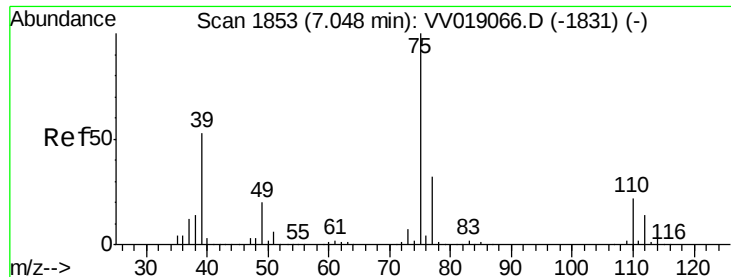
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

127 8.7 7.0 10.4

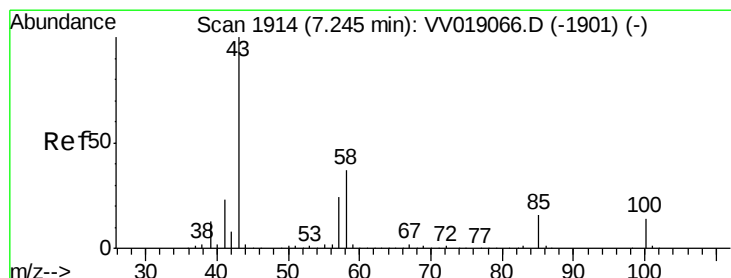
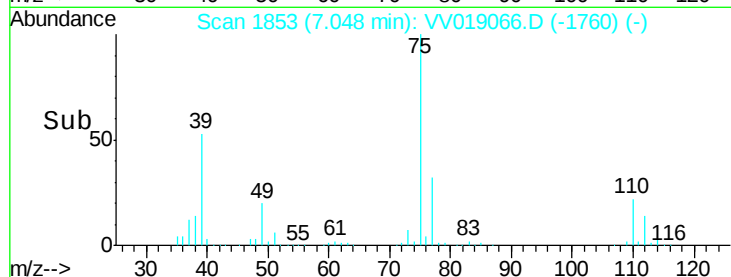
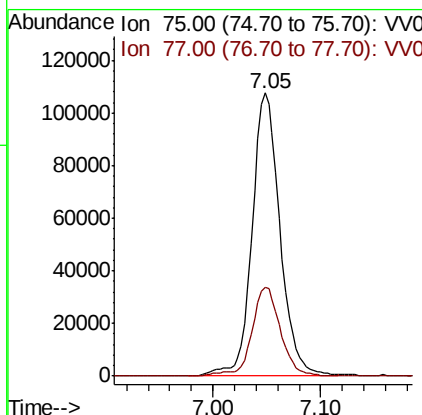
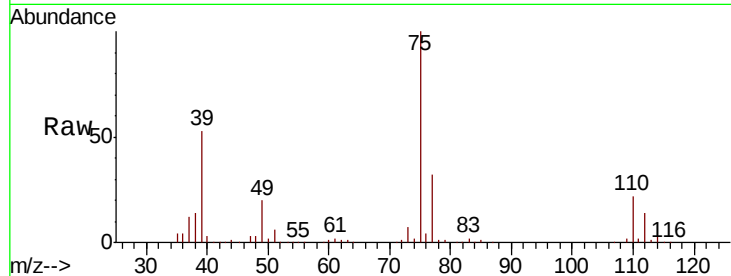




#39
 cis-1,3-Dichloropropene
 Concen: 51.801 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

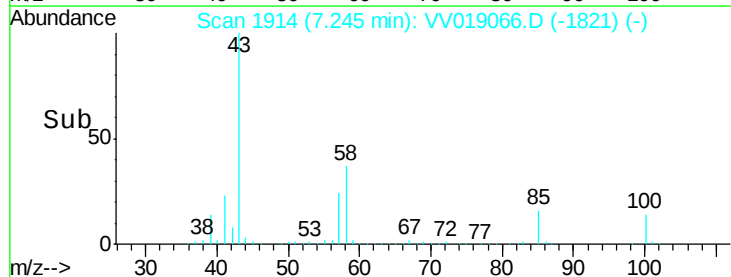
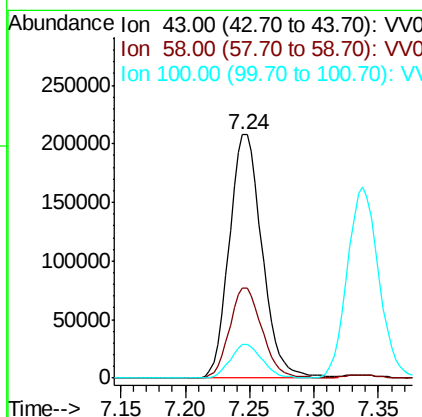
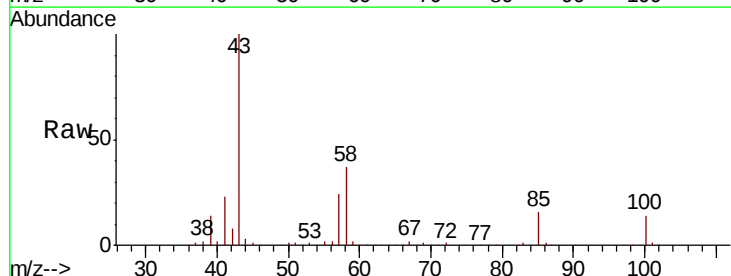
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

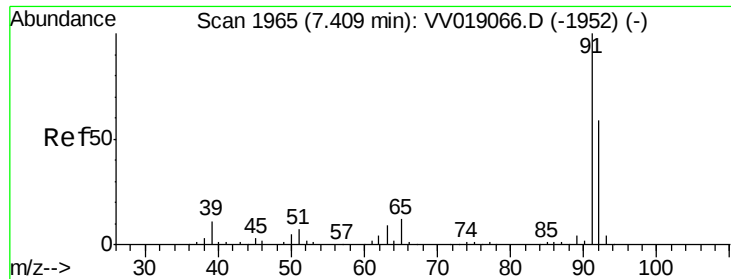
Tot Ion: 75 Resp: 193667
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 107.549 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

Tgt Ion: 43 Resp: 367161
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.6 44.4
 100 13.6 10.9 16.3





#42

Toluene

Concen: 51.679 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

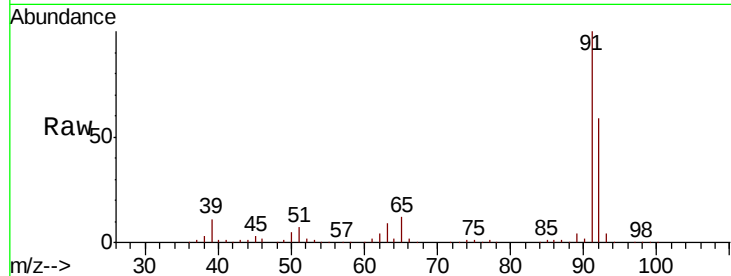
VSTD05063

Tot Ion: 91 Resp: 491719

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

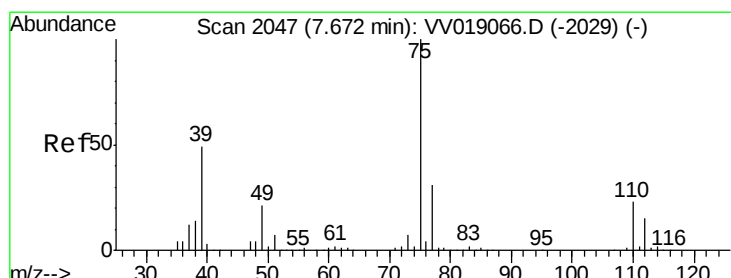
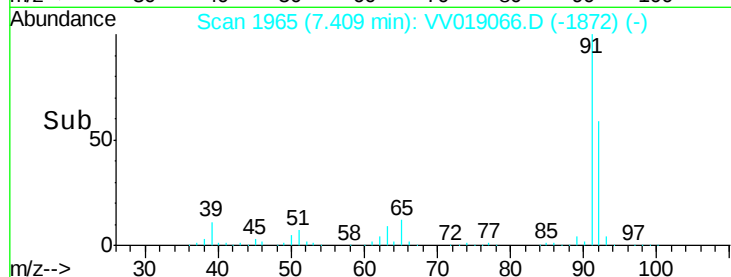
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.801 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019066.D

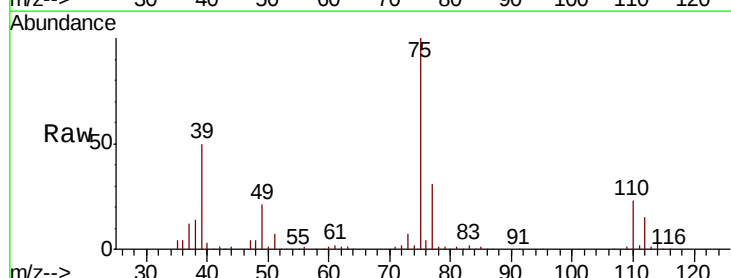
Acq: 22 Oct 2020 12:44

Tgt Ion: 75 Resp: 194485

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

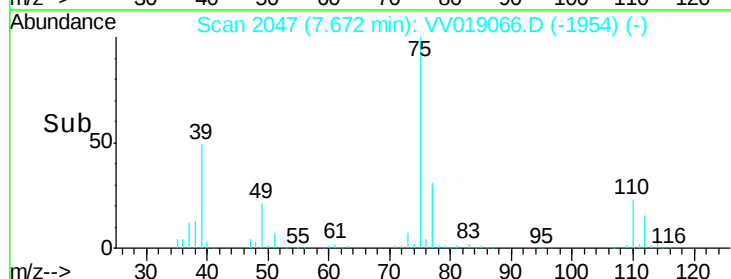
60000

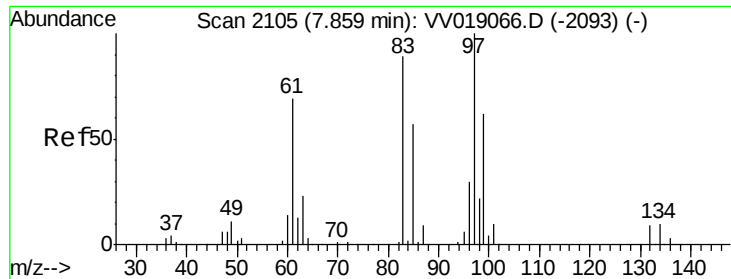
40000

20000

0

Time-->

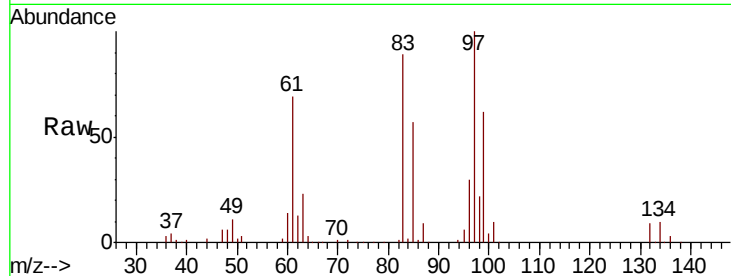




#45
 1,1,2-Trichloroethane
 Concen: 48.905 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

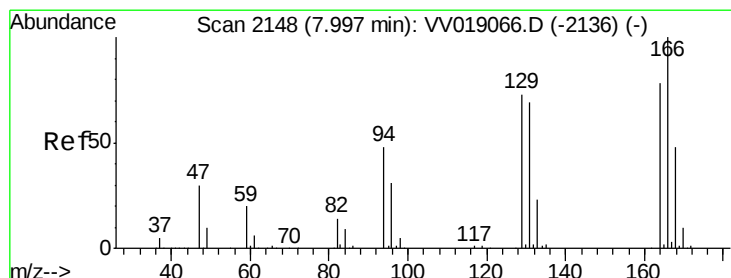
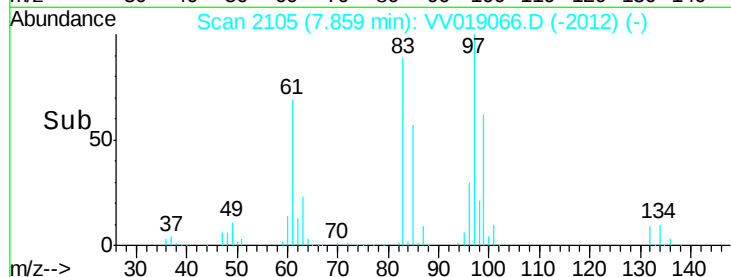
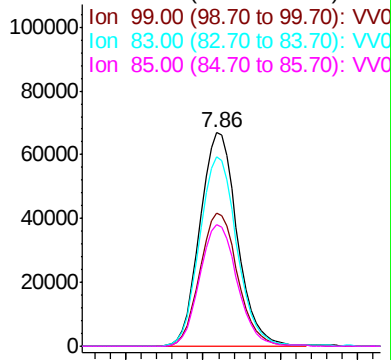
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tot Ion:	97	Resp:	112005
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	88.8	62.2	115.4
85	57.0	39.9	74.1



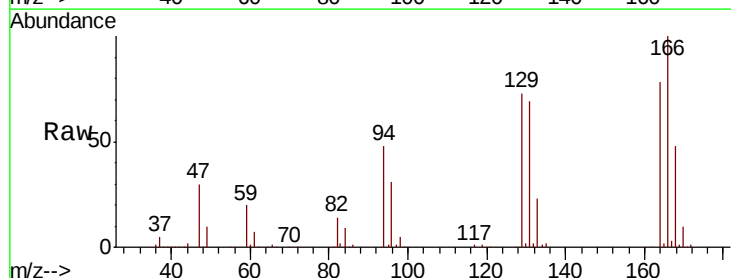
Abundance

Ion 97.00 (96.70 to 97.70): VV019066.D (-2093) (-)



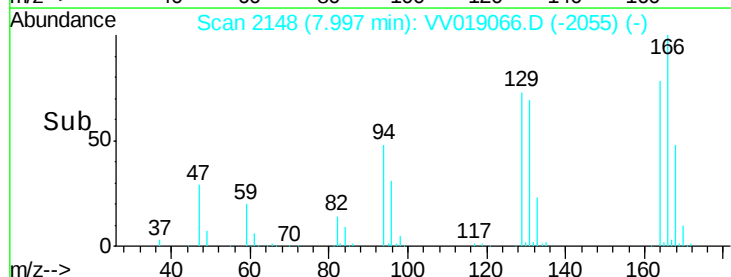
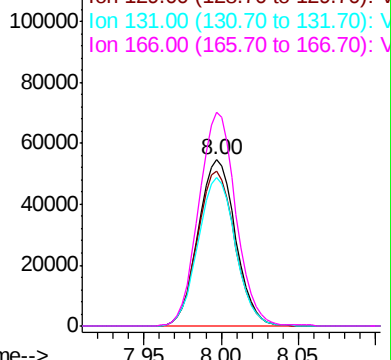
#46
 Tetrachloroethene
 Concen: 49.018 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

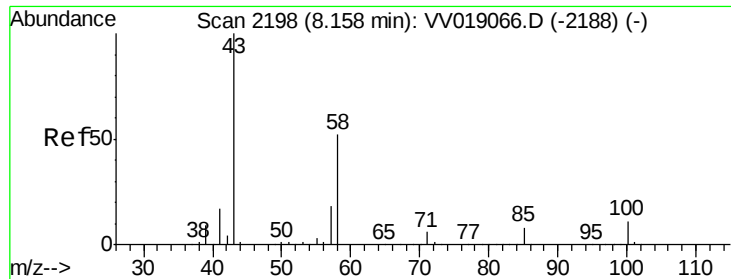
Tgt Ion:	164	Resp:	91897
Ion	Ratio	Lower	Upper
164	100		
129	93.5	65.5	121.6
131	89.1	62.4	115.8
166	128.6	90.0	167.2



Abundance

Ion 164.00 (163.70 to 164.70): VV019066.D (-2136) (-)

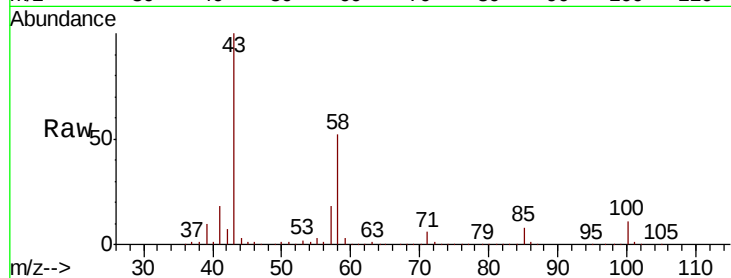




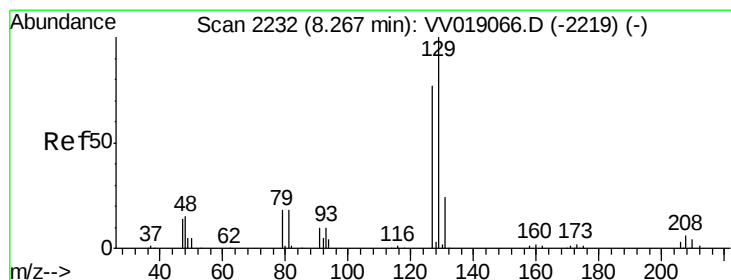
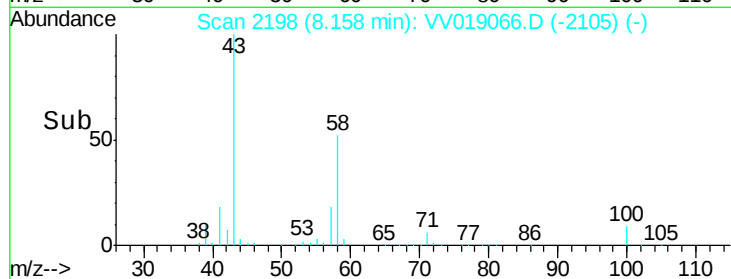
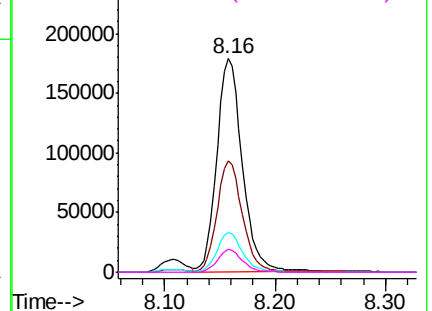
#48
2-Hexanone
Concen: 105.785 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion: 43 Resp: 285338
Ion Ratio Lower Upper
43 100
58 51.4 41.1 61.7
57 18.4 14.7 22.1
100 10.7 8.6 12.8

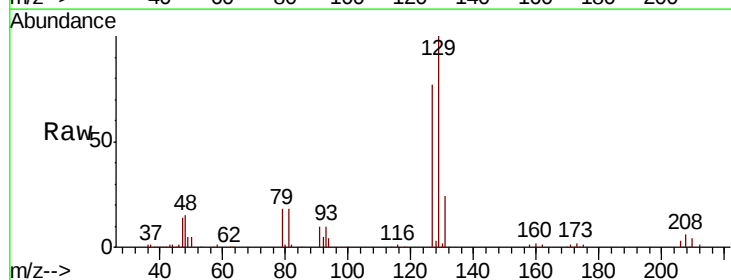


Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019066.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019066.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019066.D (-2188) (-)

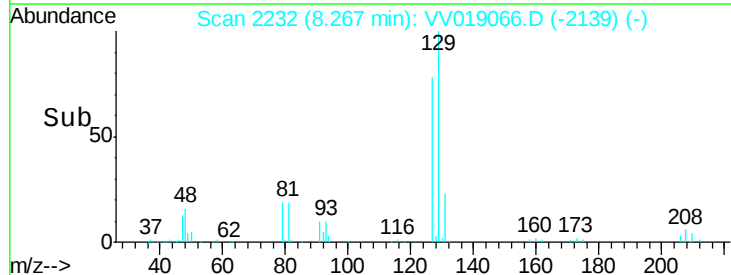
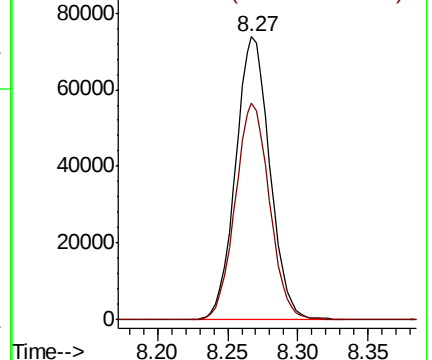


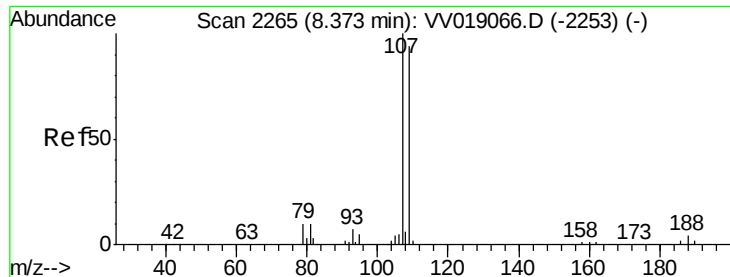
#49
Dibromochloromethane
Concen: 51.446 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Tgt Ion: 129 Resp: 125587
Ion Ratio Lower Upper
129 100
127 76.7 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019066.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019066.D (-2219) (-)

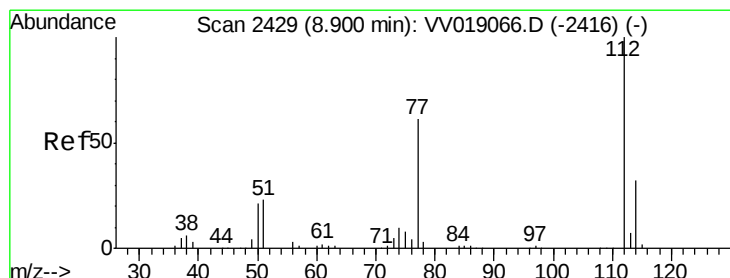
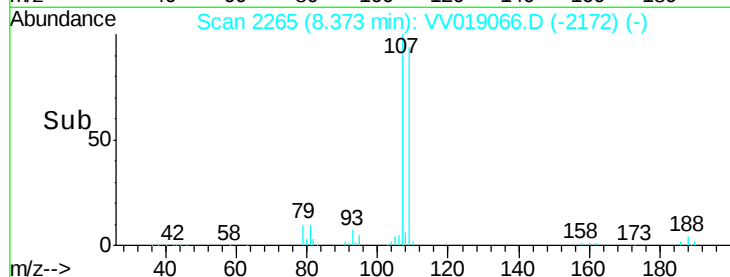
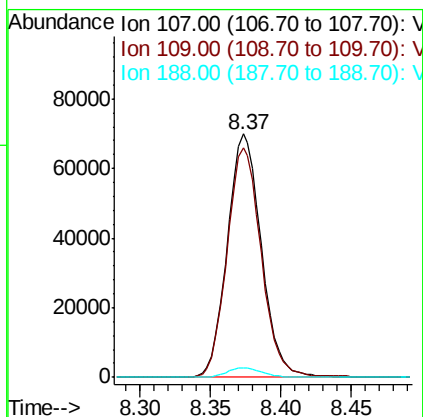
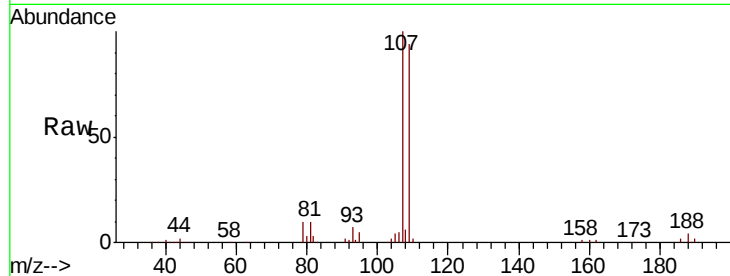




#50
1,2-Dibromoethane
Concen: 49.441 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

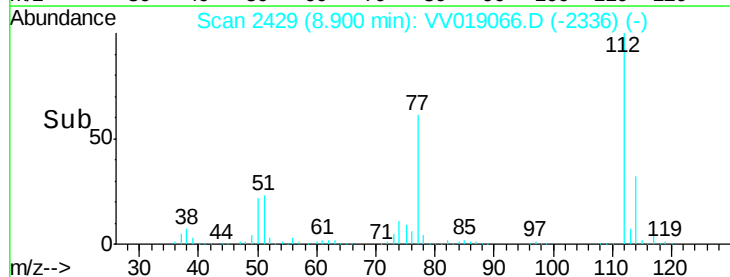
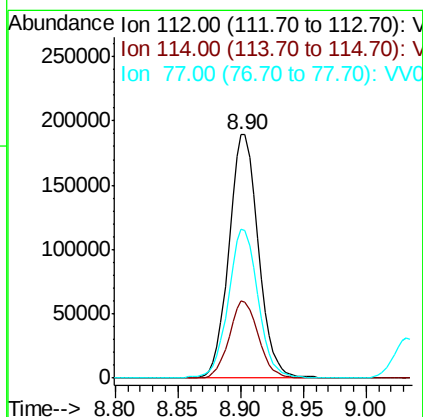
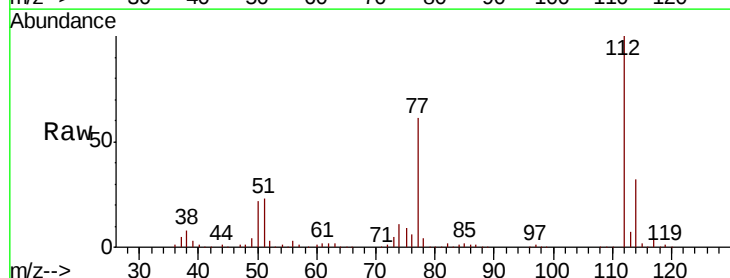
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

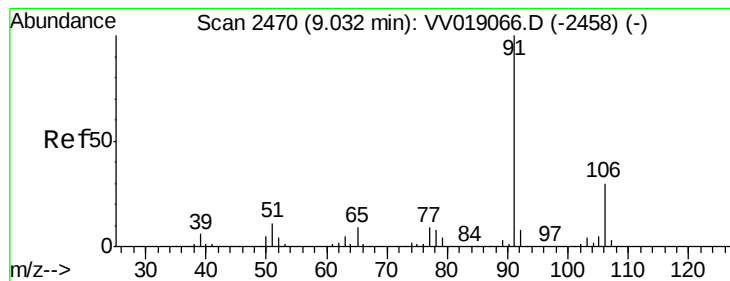
Tot Ion:107 Resp: 117878
Ion Ratio Lower Upper
107 100
109 94.4 66.1 122.7
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 49.792 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019066.D
Acq: 22 Oct 2020 12:44

Tgt Ion:112 Resp: 308791
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 61.4 49.1 73.7





#52

Ethylbenzene

Concen: 51.934 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

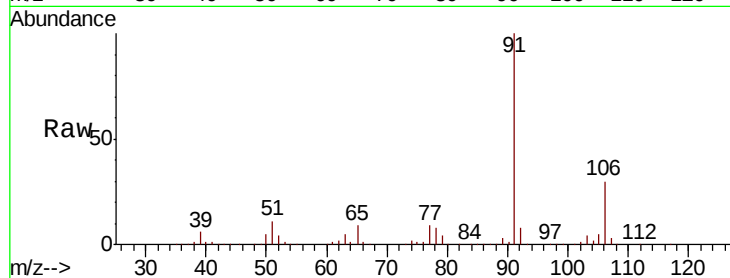
VSTD05063

Tot Ion: 91 Resp: 535317

Ion Ratio Lower Upper

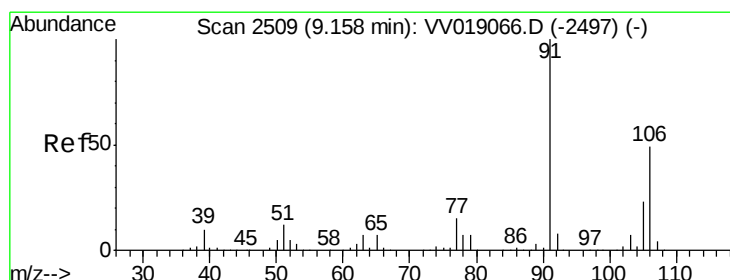
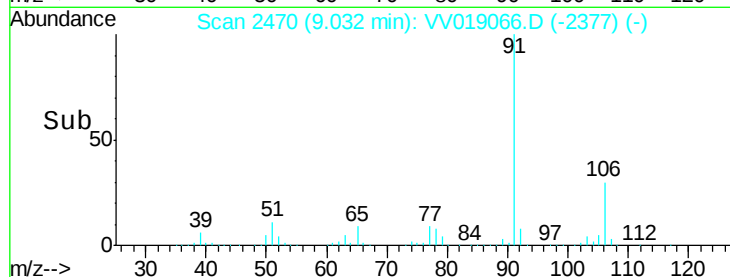
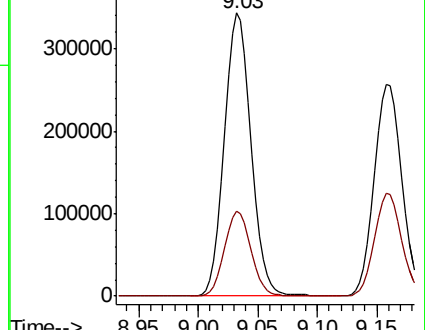
91 100

106 29.8 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019066.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV019066.D (-2458) (-)



#53

m,p-Xylene

Concen: 51.675 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019066.D

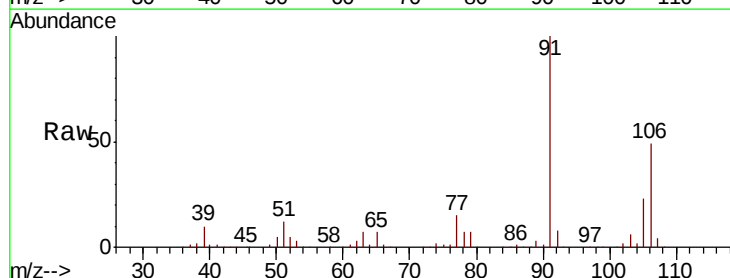
Acq: 22 Oct 2020 12:44

Tgt Ion: 106 Resp: 198668

Ion Ratio Lower Upper

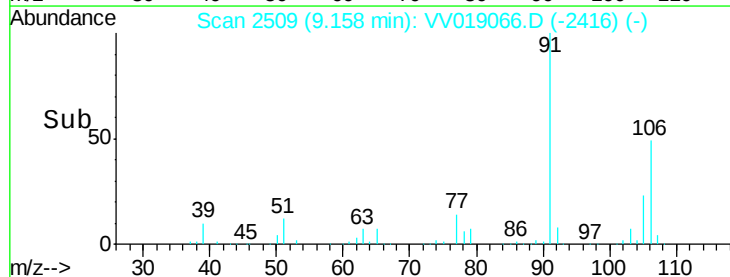
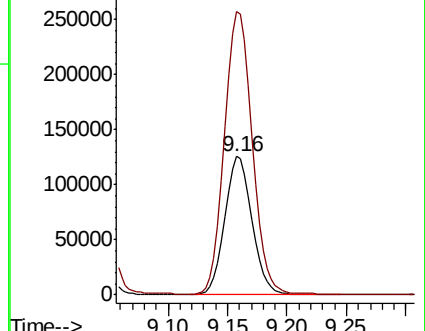
106 100

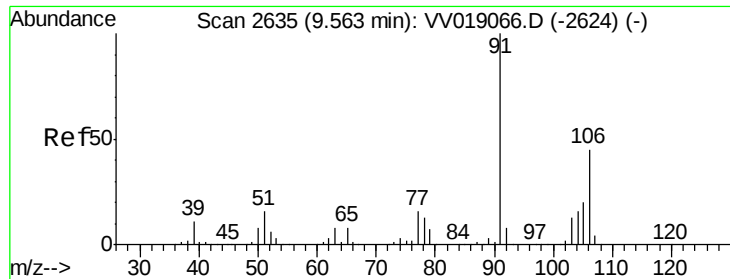
91 204.8 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019066.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV019066.D (-2497) (-)





#54

o-xylene

Concen: 52.153 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

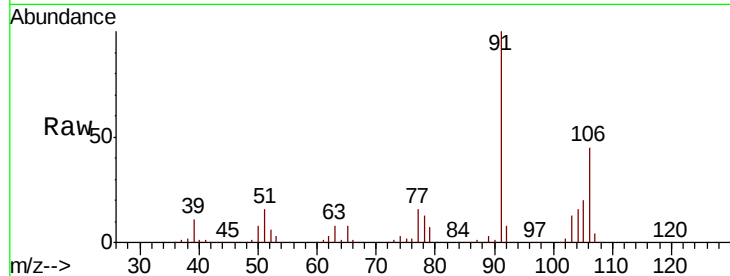
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tot Ion:106 Resp: 191535

Ion Ratio Lower Upper

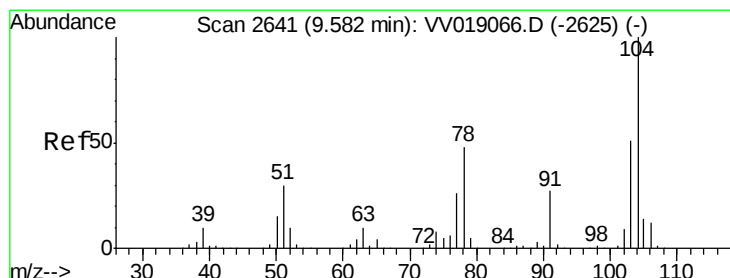
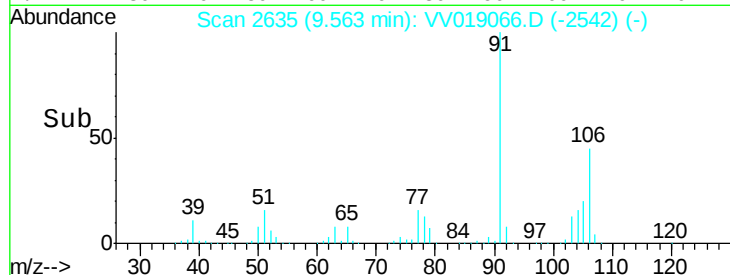
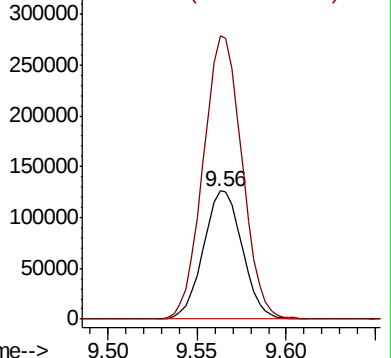
106 100

91 220.4 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.342 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019066.D

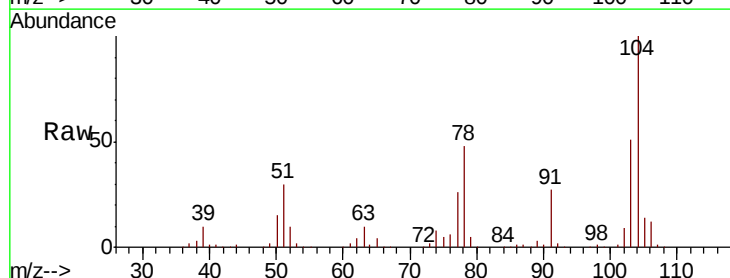
Acq: 22 Oct 2020 12:44

Tgt Ion:104 Resp: 345162

Ion Ratio Lower Upper

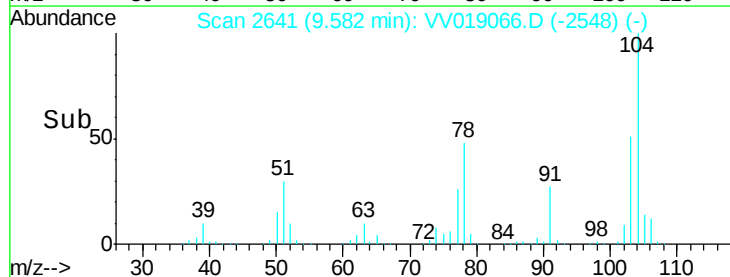
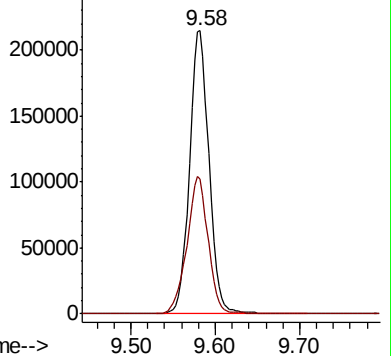
104 100

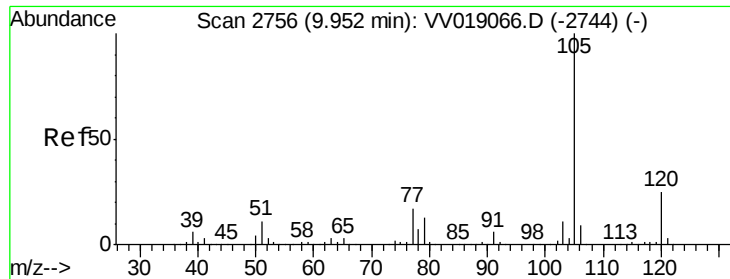
78 47.5 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.404 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

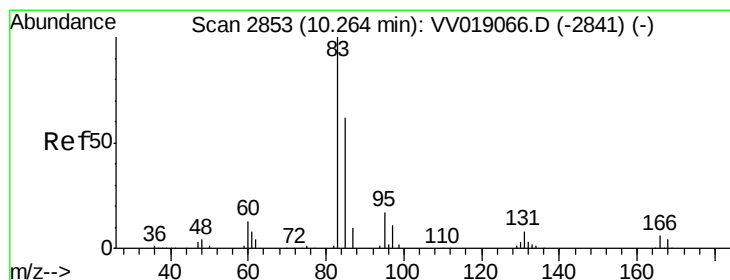
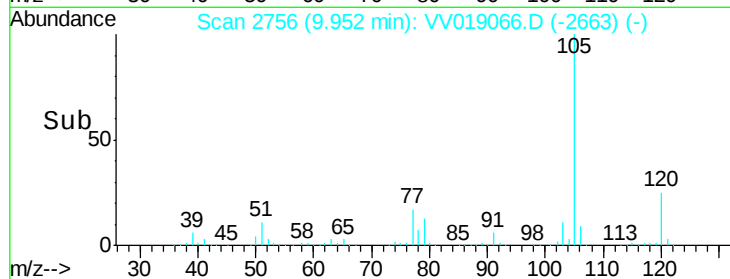
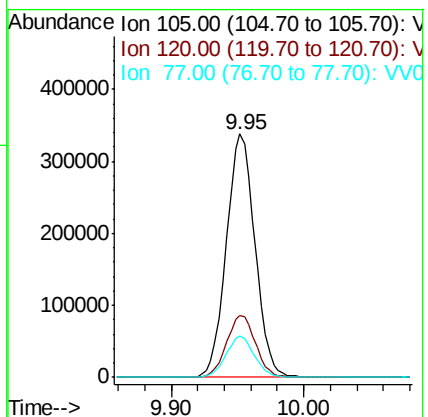
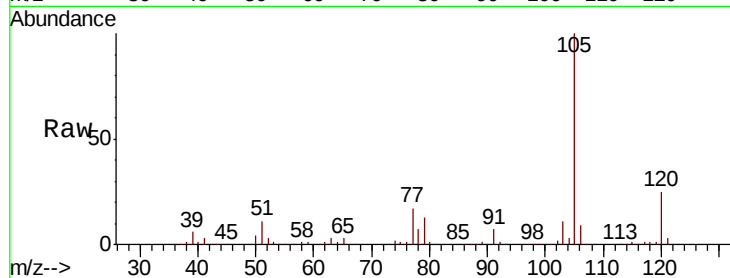
Tot Ion:105 Resp: 505940

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.7 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 57.833 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

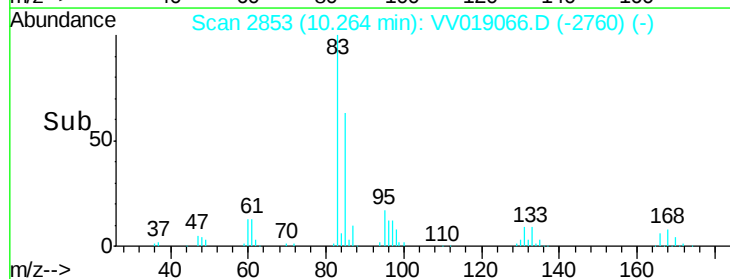
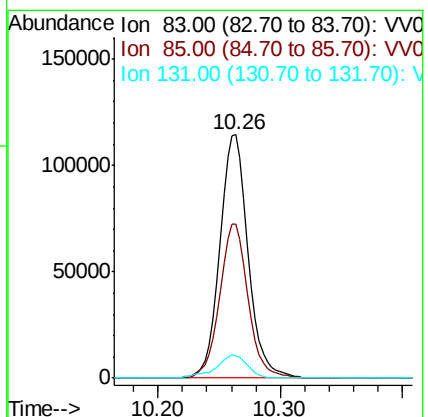
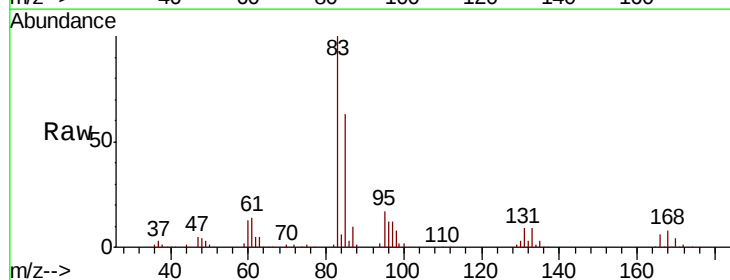
Tgt Ion: 83 Resp: 186337

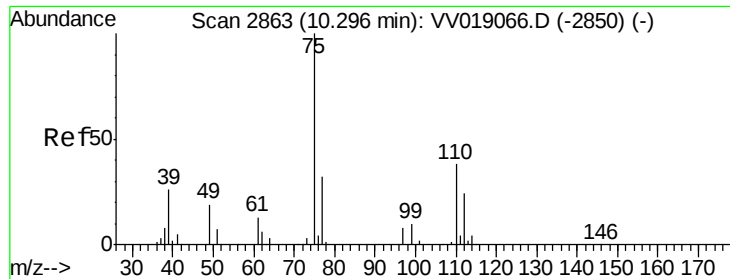
Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

131 9.3 7.4 11.2





#59

1,2,3-Trichloropropane

Concen: 50.644 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

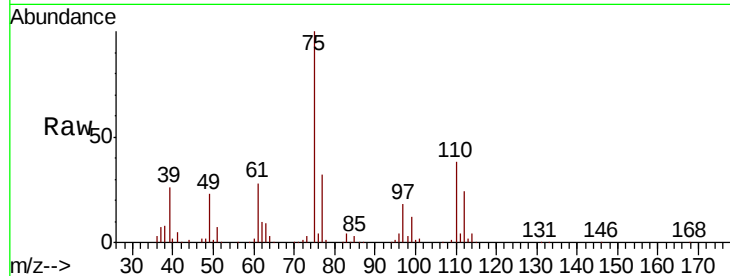
VSTD05063

Tot Ion: 75 Resp: 151431

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2850) (-)

10.30

80000

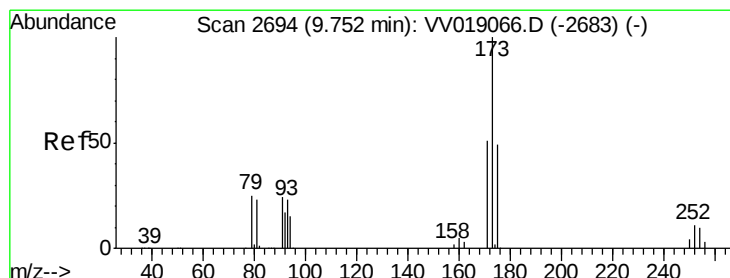
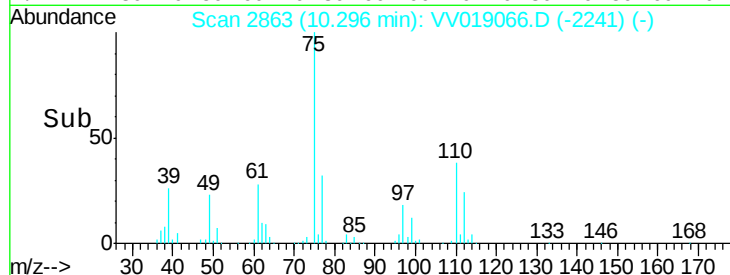
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 52.532 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

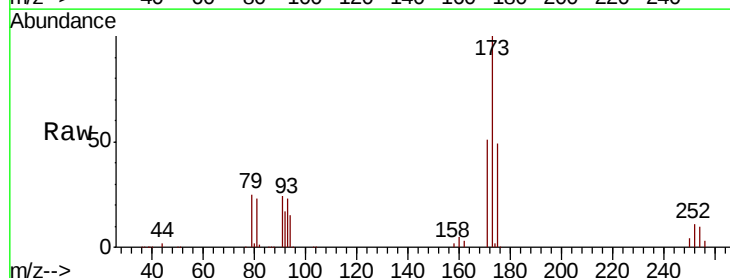
Tgt Ion: 173 Resp: 91510

Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 10.4 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): VV019066.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV019066.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV019066.D (-2683) (-)

9.75

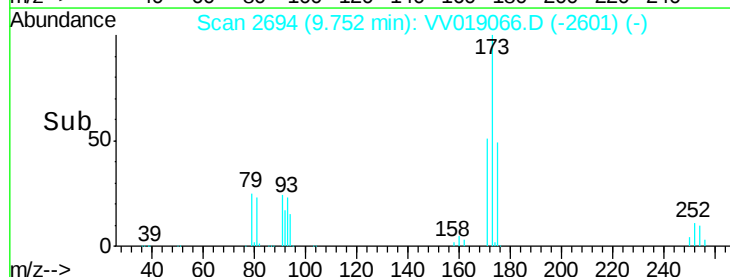
60000

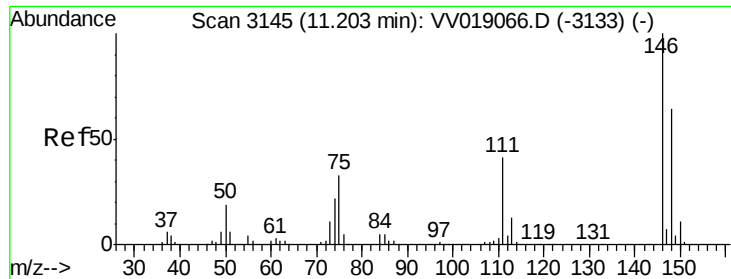
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.793 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

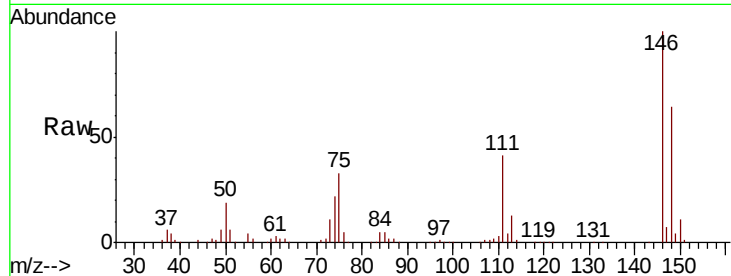
Tot Ion:146 Resp: 244421

Ion Ratio Lower Upper

146 100

111 41.1 28.8 53.4

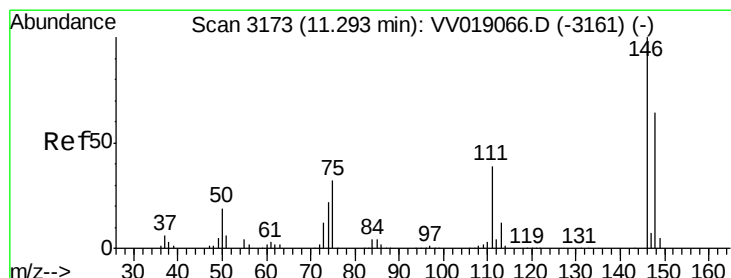
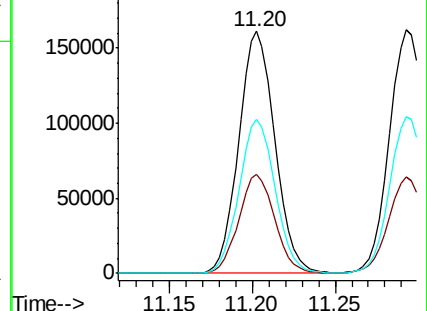
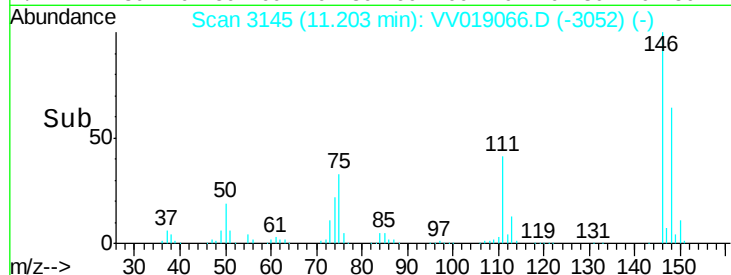
148 63.6 44.5 82.7



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: 48.824 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

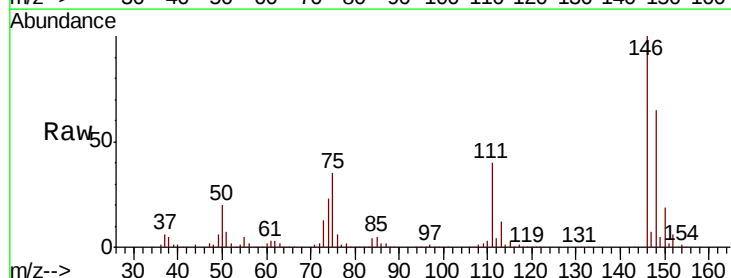
Tgt Ion:146 Resp: 251346

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

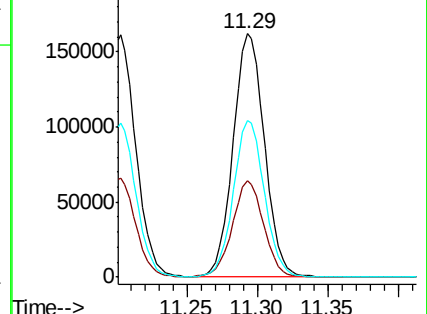
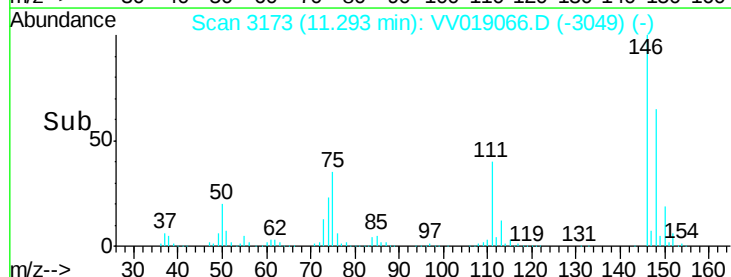
148 64.5 45.1 83.9

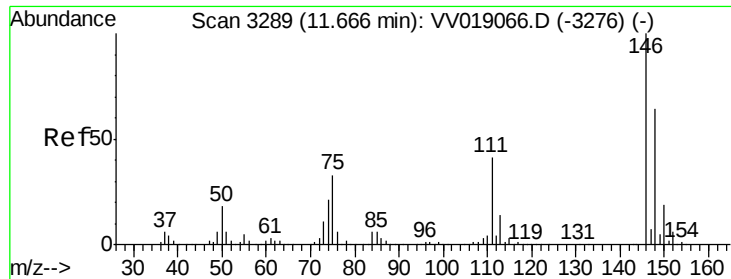


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.090 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

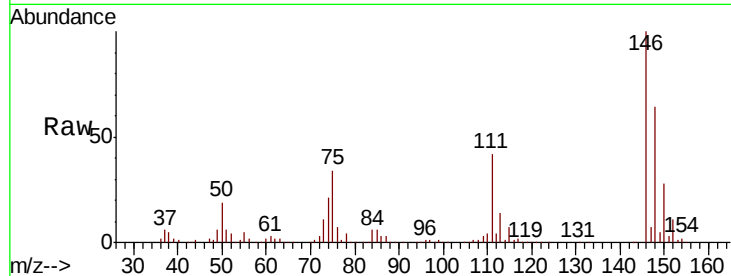
Tot Ion:146 Resp: 242203

Ion Ratio Lower Upper

146 100

111 41.6 33.3 49.9

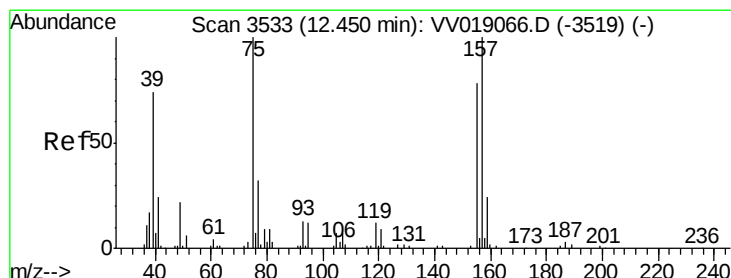
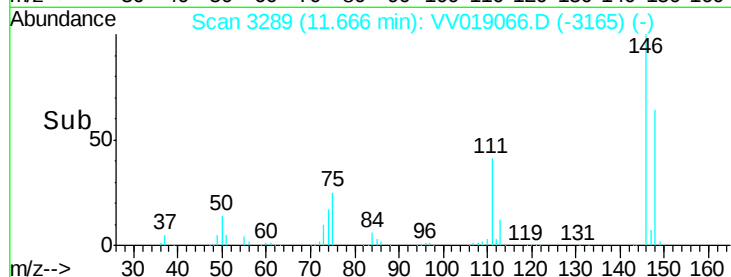
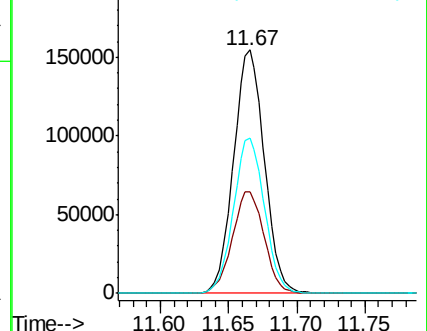
148 63.9 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 57.310 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

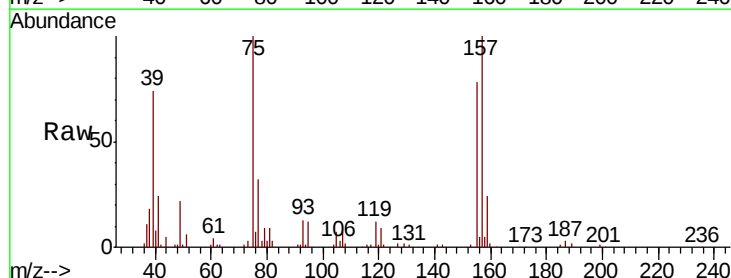
Tgt Ion: 75 Resp: 43685

Ion Ratio Lower Upper

75 100

155 77.8 62.2 93.4

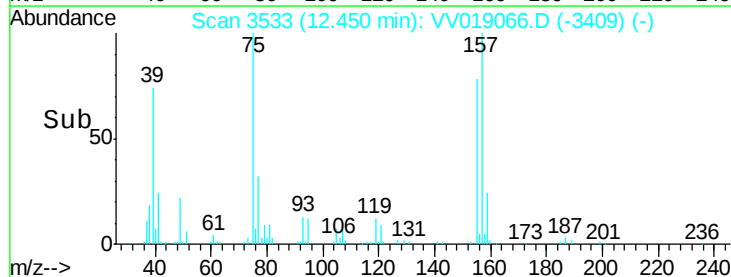
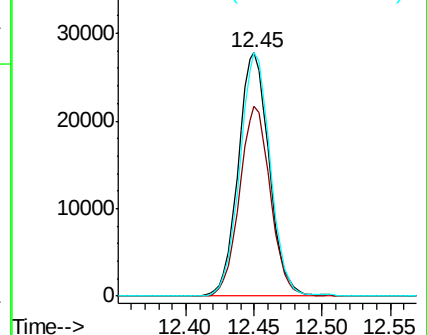
157 99.9 79.9 119.9

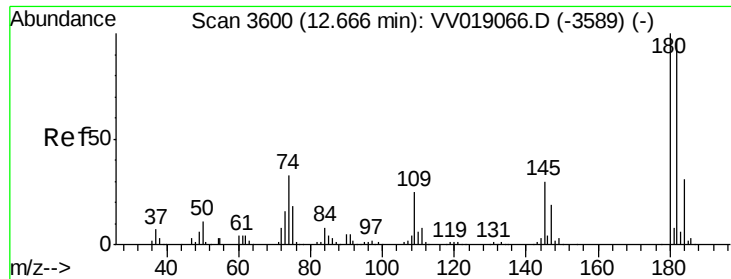


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

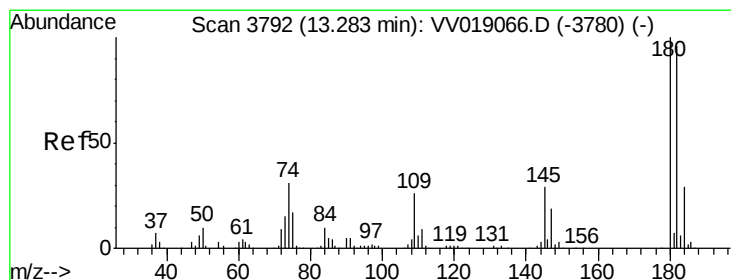
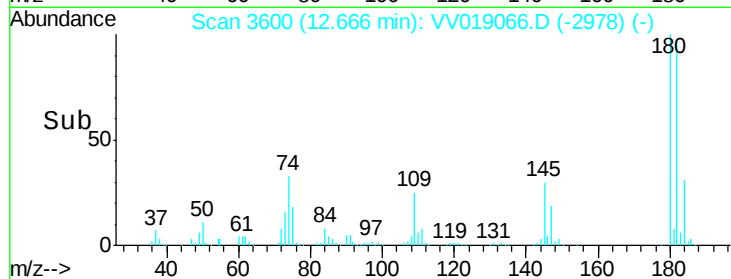
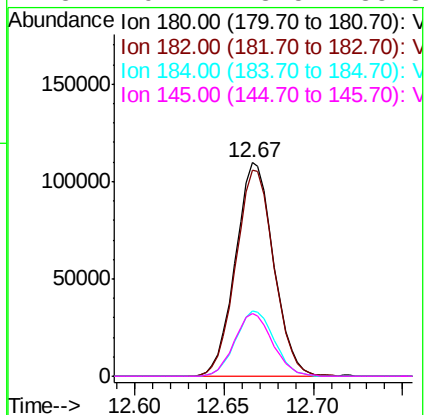
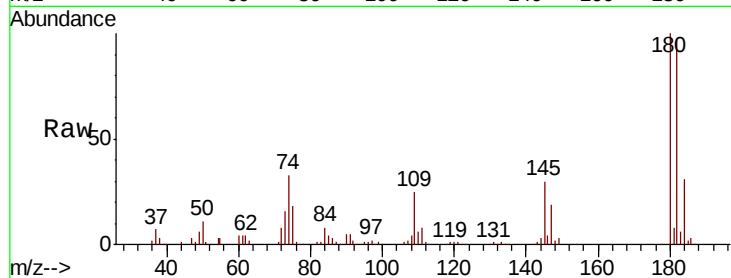




#67
 1,3,5-Trichlorobenzene
 Concen: 49.798 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

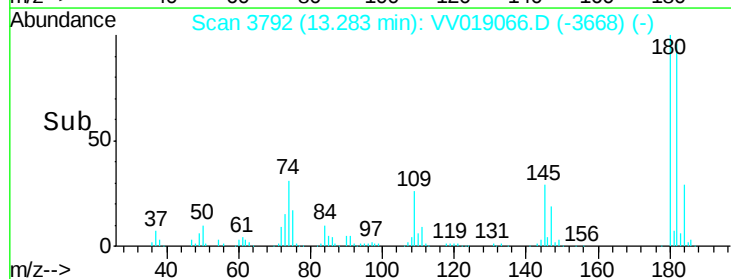
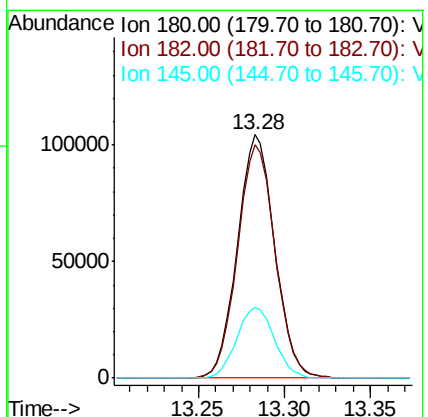
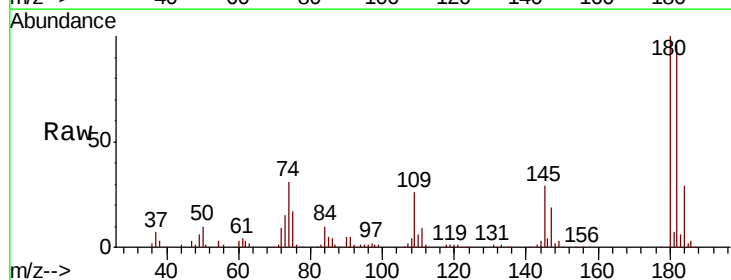
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

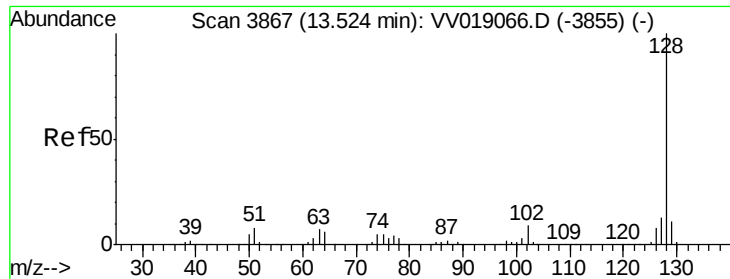
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.0
184	30.9	24.7	37.1
145	29.4	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 51.537 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019066.D
 Acq: 22 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	29.6	23.7	35.5





#69

Naphthalene

Concen: 58.740 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

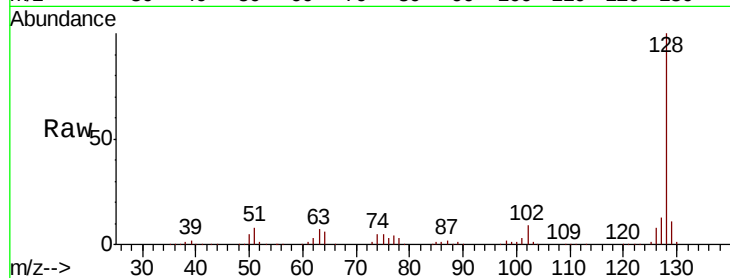
Tot Ion:128 Resp: 517125

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

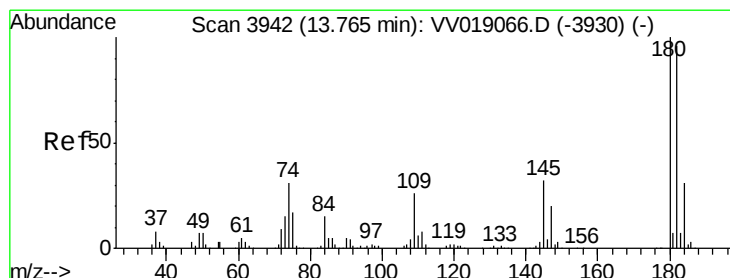
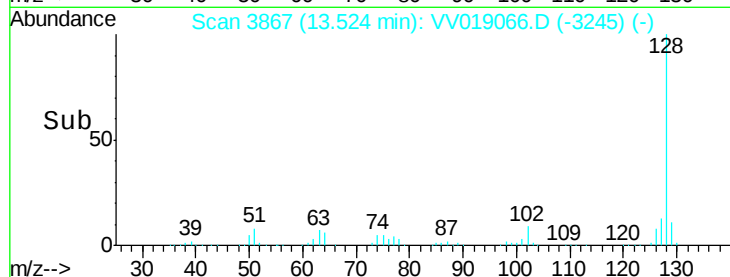
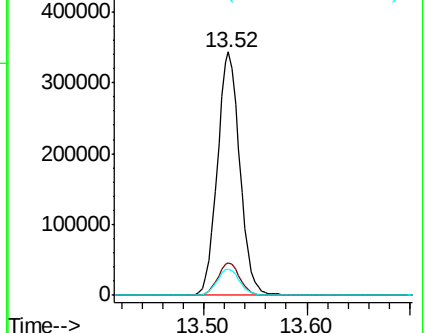
129 10.9 8.7 13.1



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: 52.915 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019066.D

Acq: 22 Oct 2020 12:44

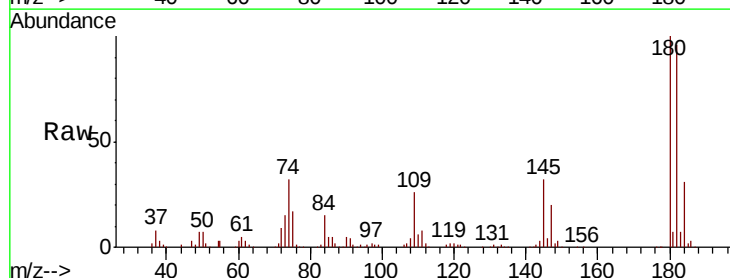
Tgt Ion:180 Resp: 160842

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 32.0 25.6 38.4



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

