

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018777.D
 Acq On : 08 Oct 2020 21:28
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Quant Time: Oct 08 23:38:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 23:30:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	324418	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	332018	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	173404	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	607735	291.68	ug/L	0.00
7) Chloroethane-d5	1.57	69	453689	265.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1142227	273.84	ug/L	0.00
21) 2-Butanone-d5	3.90	46	824768	559.99	ug/L	0.00
24) Chloroform-d	4.37	84	1030648	242.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	707220	257.60	ug/L	0.00
32) Benzene-d6	5.07	84	2011809	229.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	642034	233.42	ug/L	0.00
41) Toluene-d8	7.34	98	1865842	228.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	355929	249.61	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	602215	602.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	828203	238.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	760609	222.62	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	395171	184.583	ug/L	100
3) Chloromethane	1.25	50	513346	216.541	ug/L	100
5) Vinyl chloride	1.32	62	545524	218.025	ug/L	100
6) Bromomethane	1.53	94	314831	190.404	ug/L	99
8) Chloroethane	1.59	64	332548	213.347	ug/L	98
9) Trichlorofluoromethane	1.76	101	795173	211.155	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	437792	207.142	ug/L	99
12) 1,1-Dichloroethene	2.13	96	427131	210.400	ug/L	97
13) Acetone	2.18	43	536375	431.145	ug/L	97
14) Carbon disulfide	2.31	76	1298965	201.943	ug/L	100
15) Methyl Acetate	2.44	43	603530	250.068	ug/L	99
16) Methylene chloride	2.52	84	514414	211.726	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	477414	212.832	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	1660883	238.084	ug/L	99
19) 1,1-Dichloroethane	3.21	63	865457	213.736	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	490462	204.606	ug/L	99
22) 2-Butanone	3.98	43	754435	494.768	ug/L	93
23) Bromochloromethane	4.27	128	243241	186.391	ug/L	98
25) Chloroform	4.40	83	880884	207.272	ug/L	99
27) 1,2-Dichloroethane	5.15	62	752913	224.921	ug/L	99
29) Cyclohexane	4.70	56	761138	202.103	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	795291	194.148	ug/L	100
31) Carbon tetrachloride	4.85	117	688480	188.785	ug/L	100
33) Benzene	5.12	78	1901599	195.552	ug/L	100
34) Trichloroethene	5.94	95	497657	174.086	ug/L	99
35) Methylcyclohexane	6.15	83	667862	176.007	ug/L	100
37) 1,2-Dichloropropane	6.20	63	511115	199.388	ug/L	100
38) Bromodichloromethane	6.53	83	680734	202.992	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	854539	219.729	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	1536457	472.970	ug/L	99

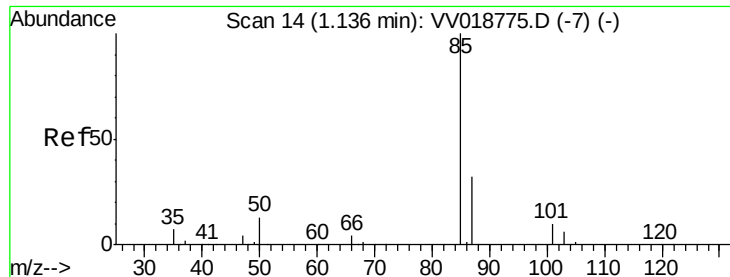
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 23:30:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2011280	192.330	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	838149	217.906	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	463865	189.030	ug/L	97
46) Tetrachloroethene	8.00	164	375801	167.931	ug/L	99
48) 2-Hexanone	8.16	43	1179295	464.760	ug/L	99
49) Dibromochloromethane	8.27	129	547845	197.153	ug/L	98
50) 1,2-Dibromoethane	8.37	107	497766	192.328	ug/L	99
51) Chlorobenzene	8.90	112	1348527	192.167	ug/L	99
52) Ethylbenzene	9.03	91	2497829	213.583	ug/L	99
53) m,p-Xylene	9.16	106	936543	208.636	ug/L	99
54) o-xylene	9.56	106	865255	204.119	ug/L	99
55) Styrene	9.58	104	1547343	208.598	ug/L	100
56) Isopropylbenzene	9.95	105	2228243	191.956	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	732544	211.557	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	623083	203.790	ug/L	99
61) Bromoform	9.75	173	408275	207.514	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1054705	190.196	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1097055	191.942	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1062185	192.745	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	185189	249.802	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	727650	191.527	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	727396	206.645	ug/L	99
69) Naphthalene	13.52	128	2331136	231.712	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	723462	204.025	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 184.583 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

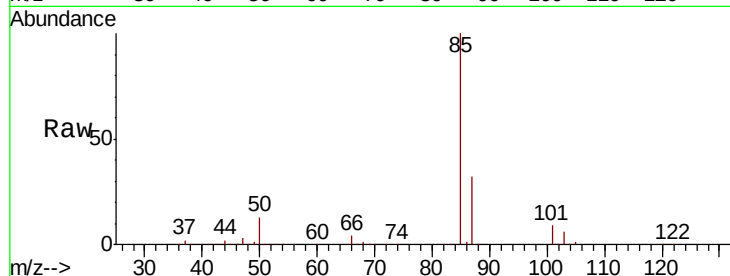
VSTD20064

Tot Ion: 85 Resp: 395171

Ion Ratio Lower Upper

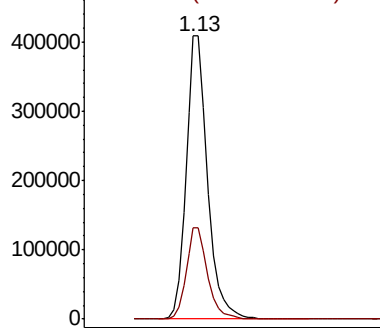
85 100

87 32.0 25.5 38.3

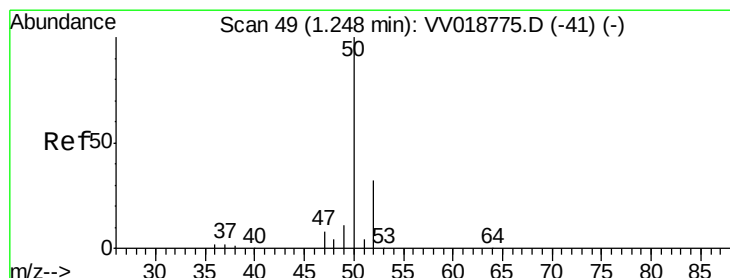
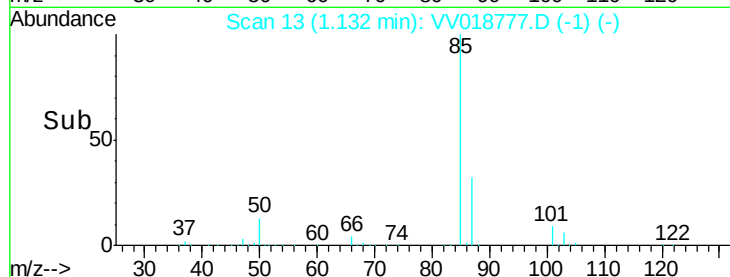


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 216.541 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018777.D

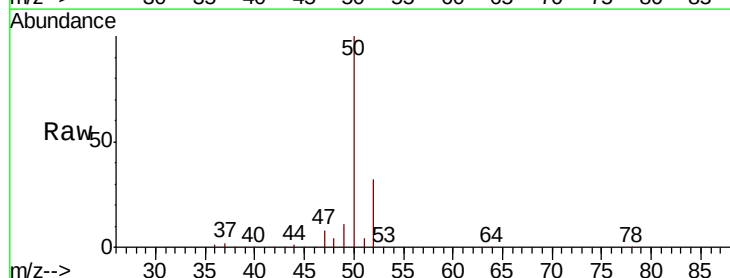
Acq: 08 Oct 2020 21:28

Tgt Ion: 50 Resp: 513346

Ion Ratio Lower Upper

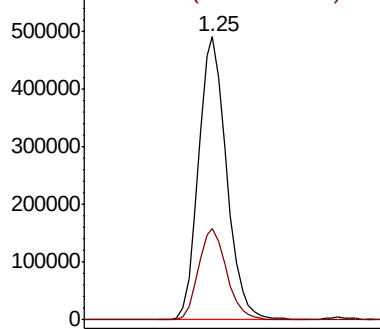
50 100

52 32.4 22.7 42.1

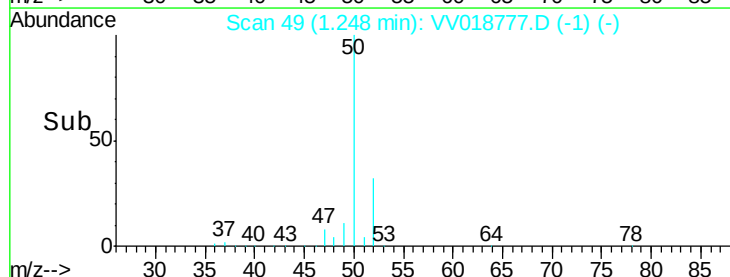


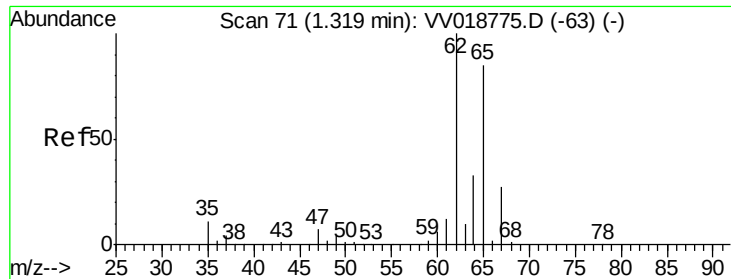
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 218.025 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

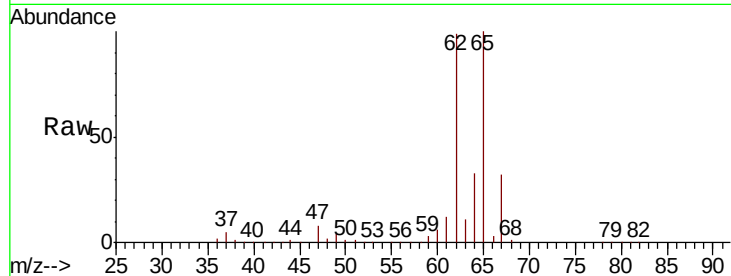
VSTD20064

Tot Ion: 62 Resp: 545524

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

500000

400000

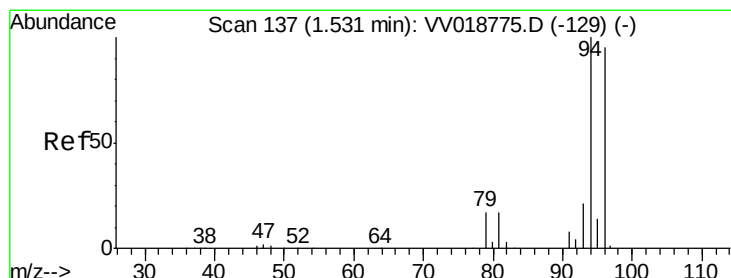
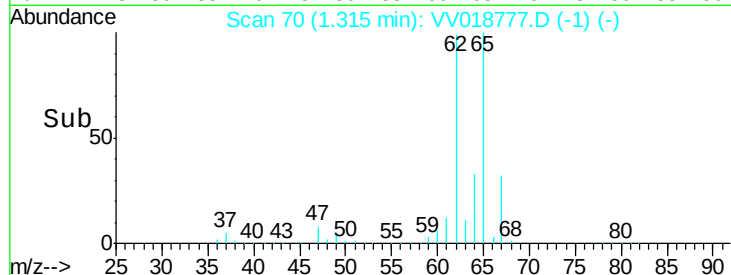
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 190.404 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV018777.D

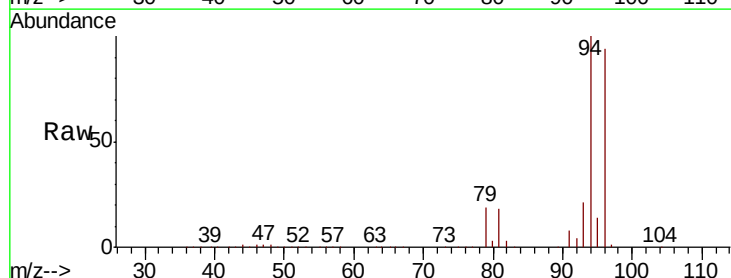
Acq: 08 Oct 2020 21:28

Tgt Ion: 94 Resp: 314831

Ion Ratio Lower Upper

94 100

96 93.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

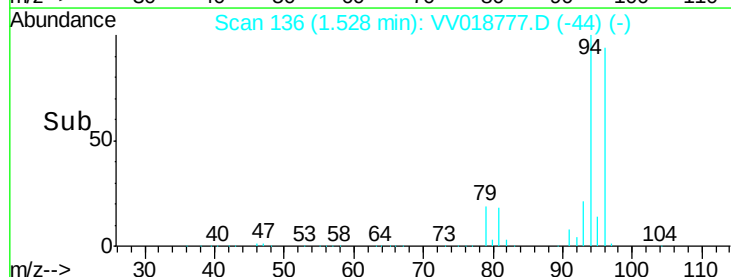
300000

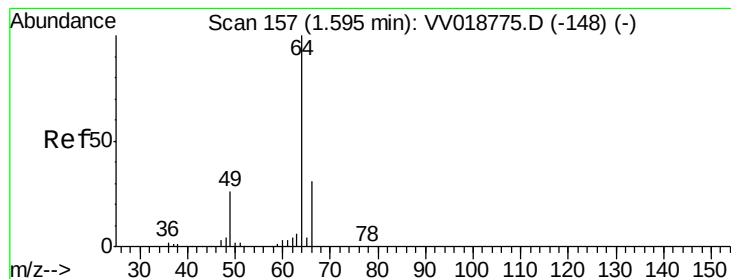
200000

100000

0

Time-->





#8

Chloroethane

Concen: 213.347 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

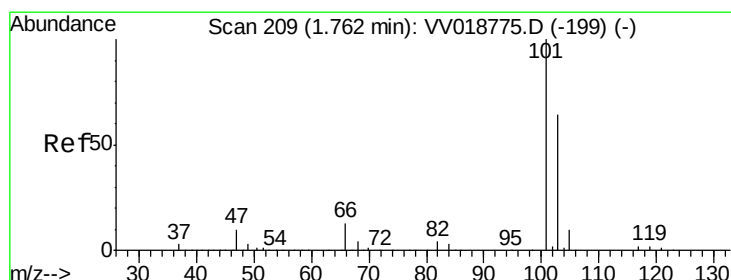
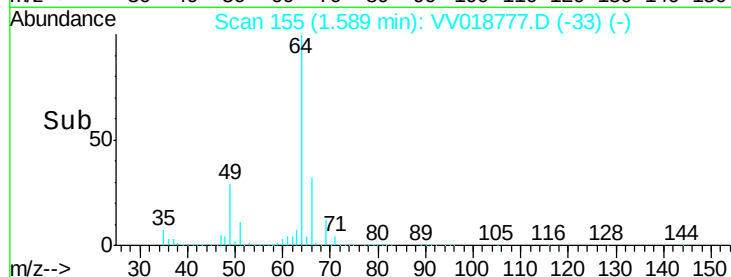
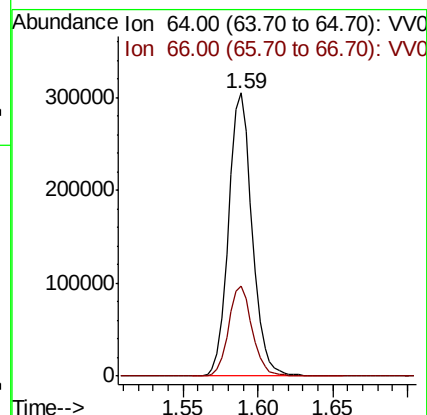
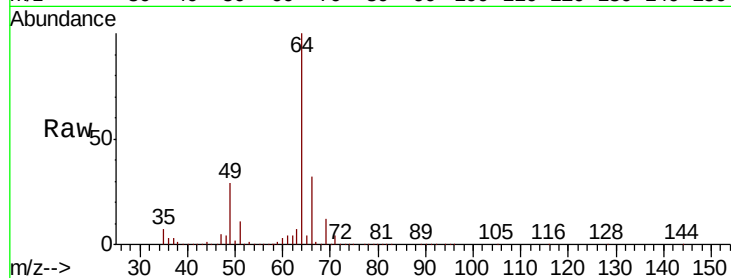
VSTD20064

Tot Ion: 64 Resp: 332548

Ion Ratio Lower Upper

64 100

66 31.9 21.7 40.3



#9

Trichlorofluoromethane

Concen: 211.155 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV018777.D

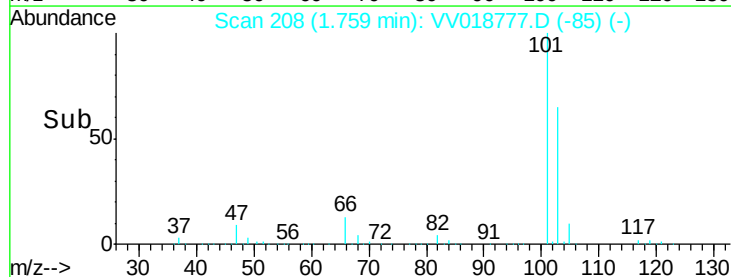
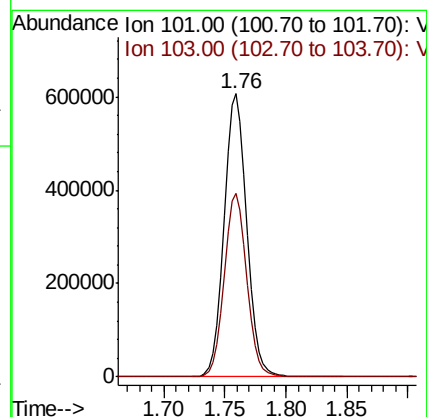
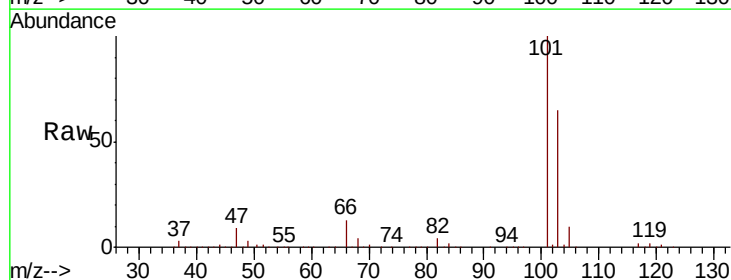
Acq: 08 Oct 2020 21:28

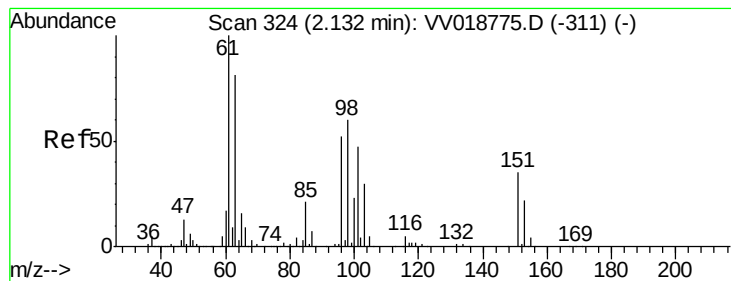
Tgt Ion: 101 Resp: 795173

Ion Ratio Lower Upper

101 100

103 64.6 51.6 77.4





#10

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

Concen: 207.142 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

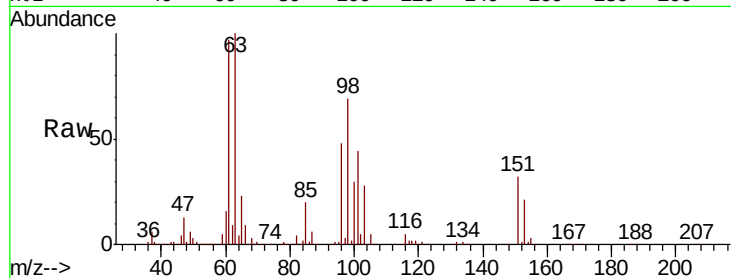
Tot Ion:101 Resp: 437792

Ion Ratio Lower Upper

101 100

85 45.1 35.9 53.9

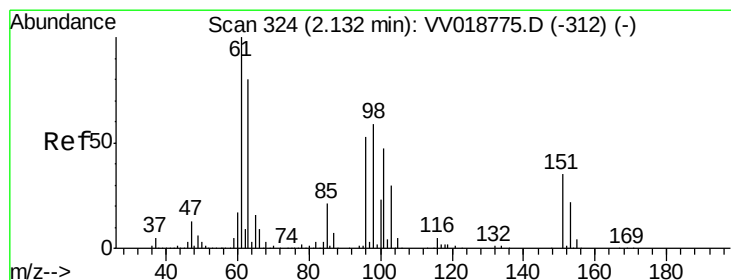
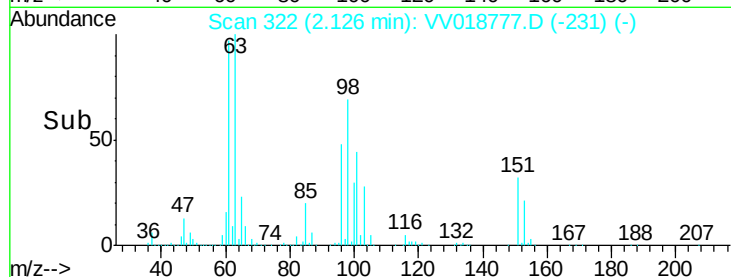
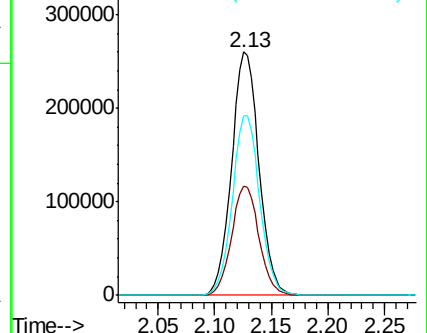
151 74.0 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 210.400 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

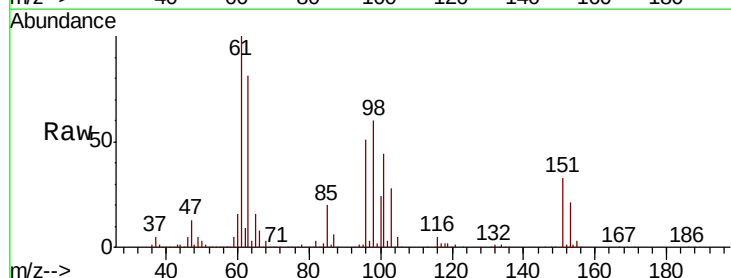
Tgt Ion: 96 Resp: 427131

Ion Ratio Lower Upper

96 100

61 195.5 133.6 248.0

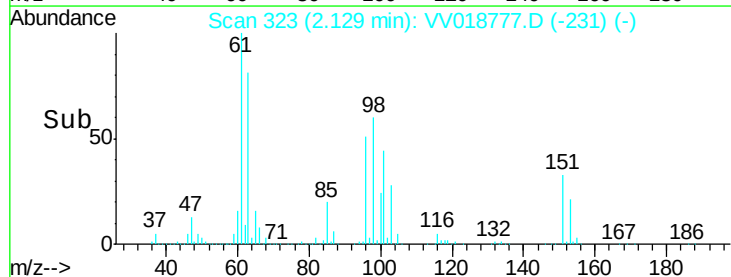
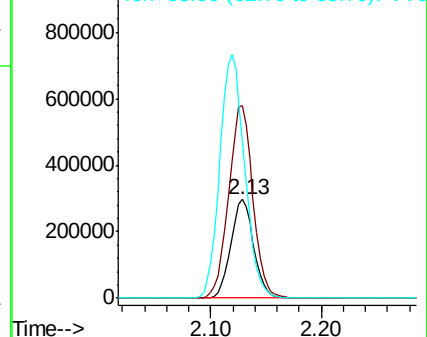
63 158.2 108.4 201.4

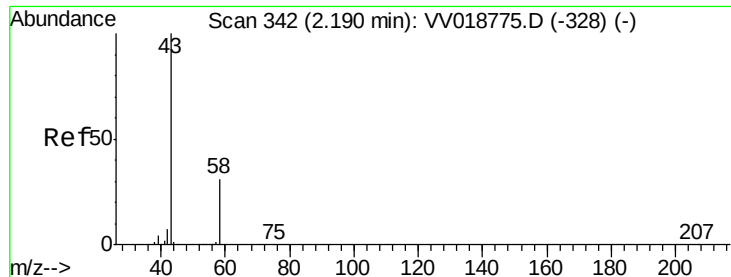


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 431.145 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

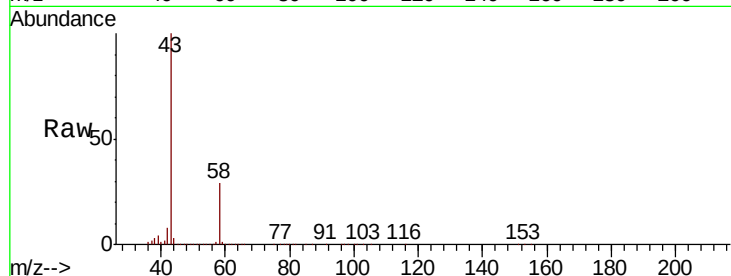
VSTD20064

Tot Ion: 43 Resp: 536375

Ion Ratio Lower Upper

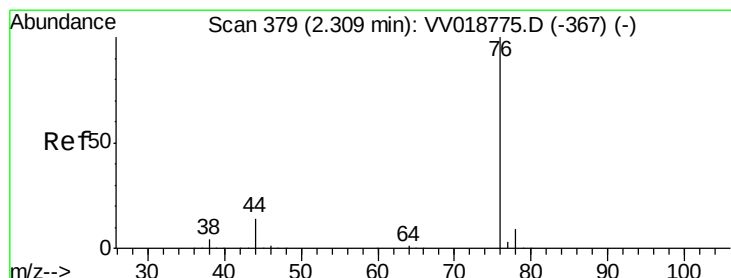
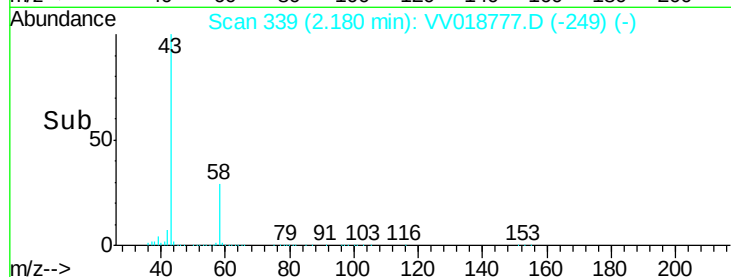
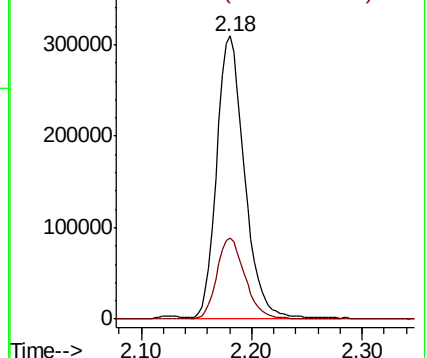
43 100

58 29.1 0.0 61.0



Abundance Ion 43.00 (42.70 to 43.70): VV018777.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VV018777.D (-339) (-)



#14

Carbon disulfide

Concen: 201.943 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV018777.D

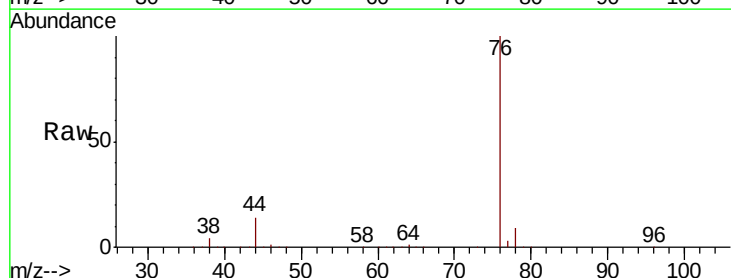
Acq: 08 Oct 2020 21:28

Tgt Ion: 76 Resp: 1298965

Ion Ratio Lower Upper

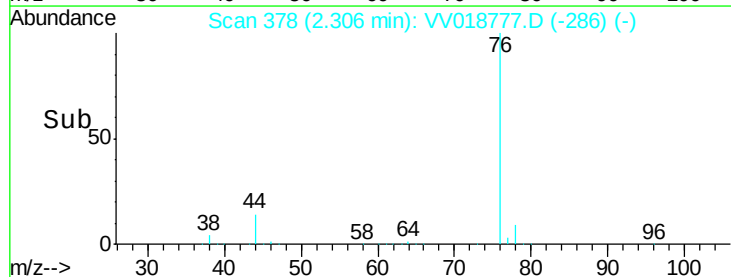
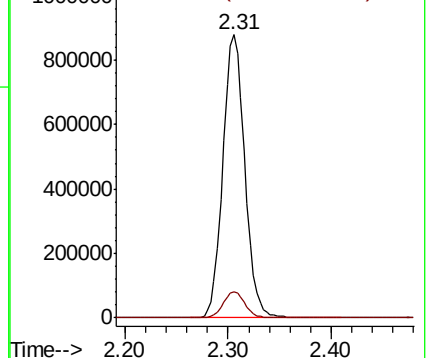
76 100

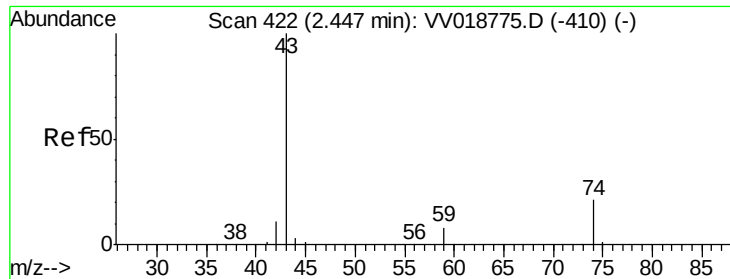
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV018777.D (-378) (-)

Ion 78.00 (77.70 to 78.70): VV018777.D (-378) (-)

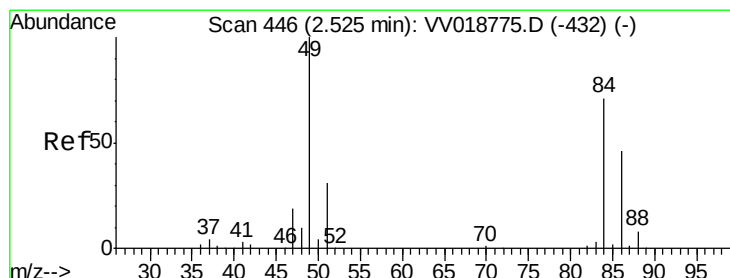
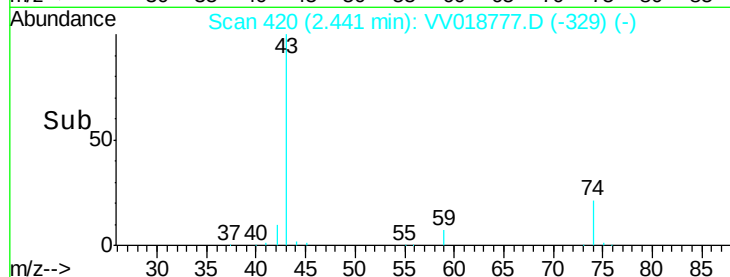
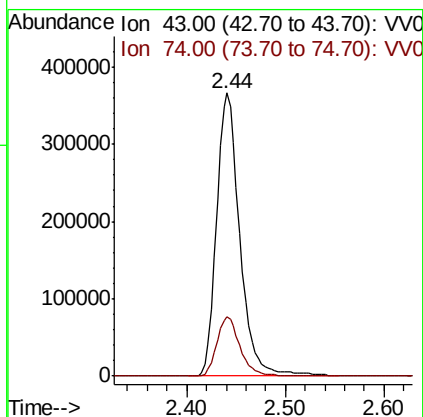
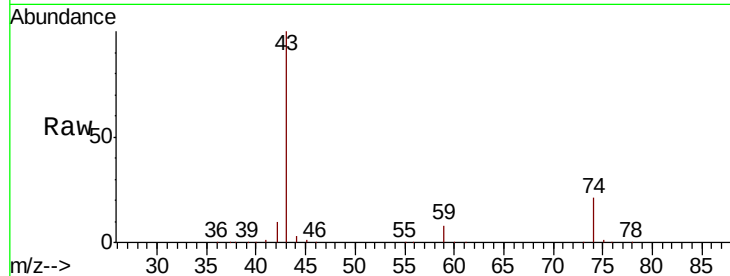




#15
Methvl Acetate
Concen: 250.068 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.01 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

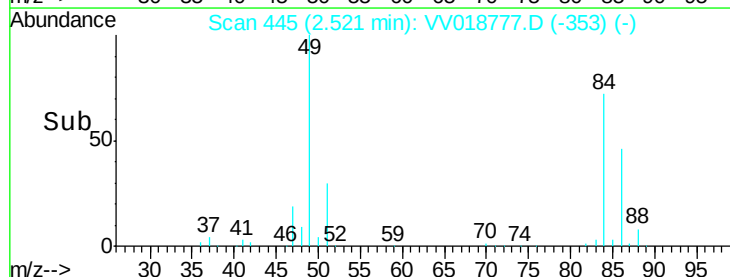
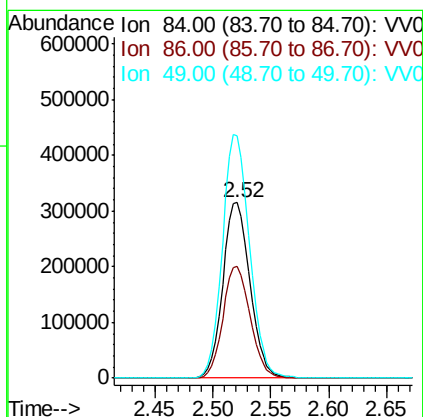
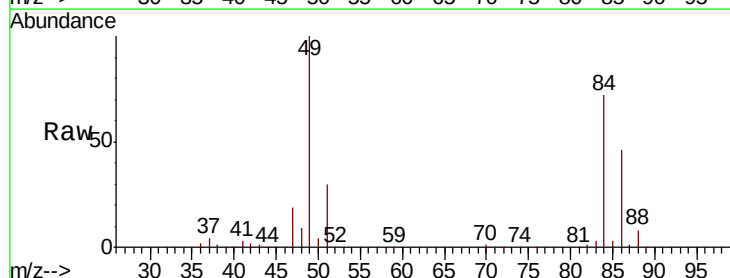
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

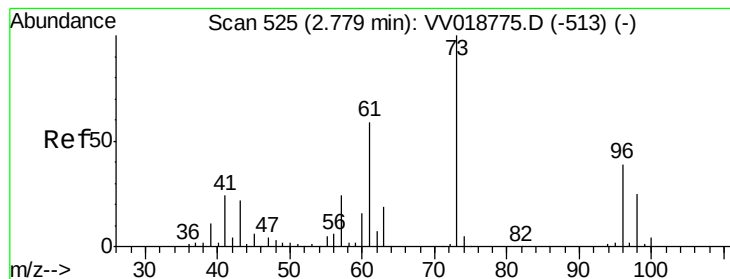
Tot Ion: 43 Resp: 603530
Ion Ratio Lower Upper
43 100
74 20.7 16.9 25.3



#16
Methylene chloride
Concen: 211.726 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

Tgt Ion: 84 Resp: 514414
Ion Ratio Lower Upper
84 100
86 63.8 45.2 84.0
49 138.1 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 212.832 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampled :

VSTD20064

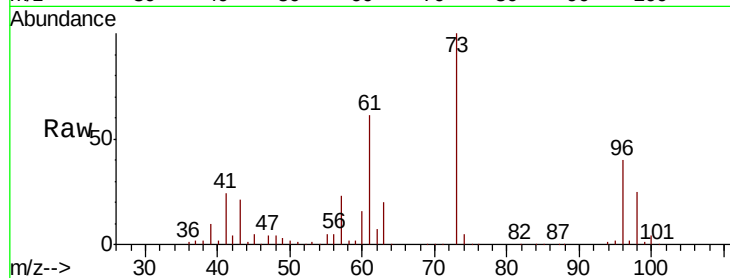
Tot Ion: 96 Resp: 477414

Ion Ratio Lower Upper

96 100

61 151.9 105.7 196.3

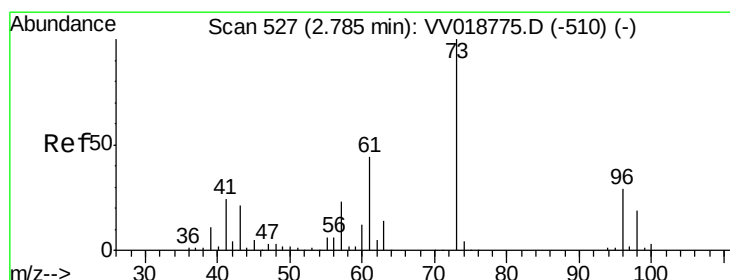
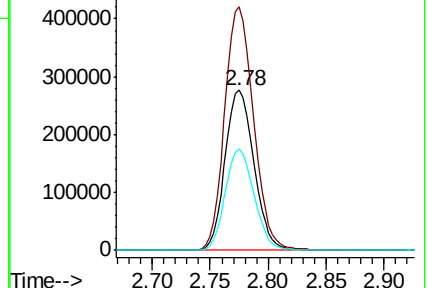
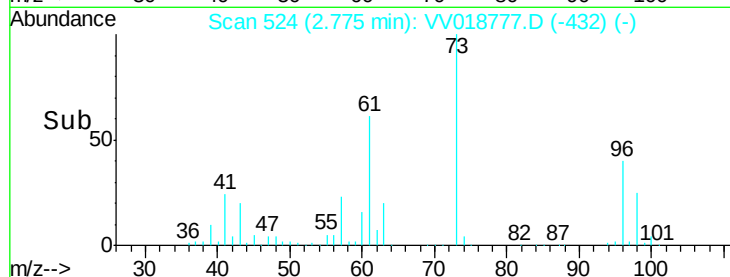
98 63.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018777.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018777.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018777.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 238.084 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

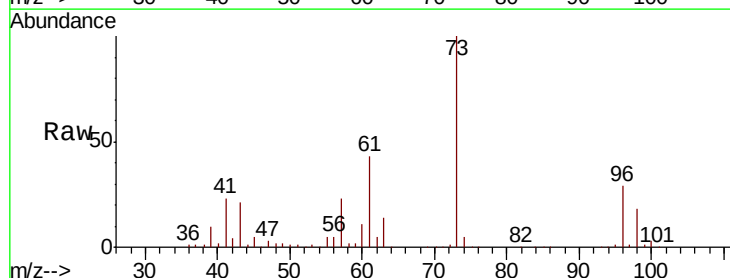
Tgt Ion: 73 Resp: 1660883

Ion Ratio Lower Upper

73 100

43 21.2 17.3 25.9

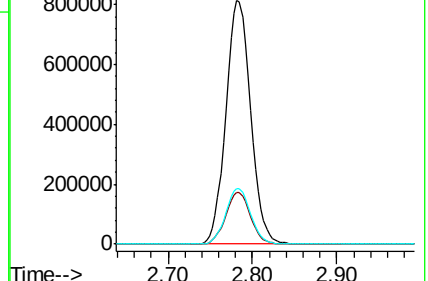
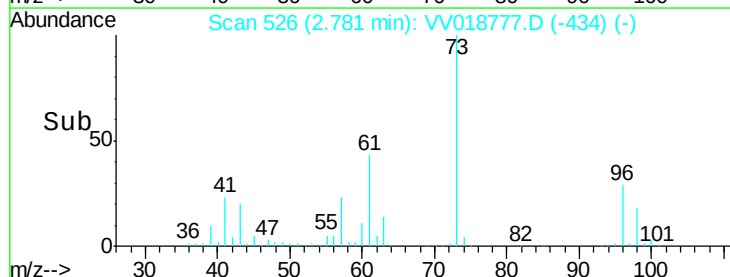
57 22.8 18.5 27.7

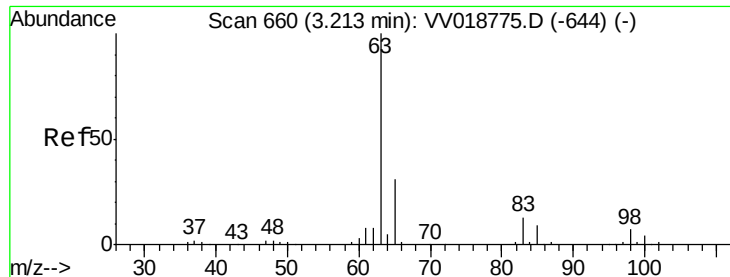


Abundance Ion 73.00 (72.70 to 73.70): VV018777.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018777.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018777.D (-434) (-)

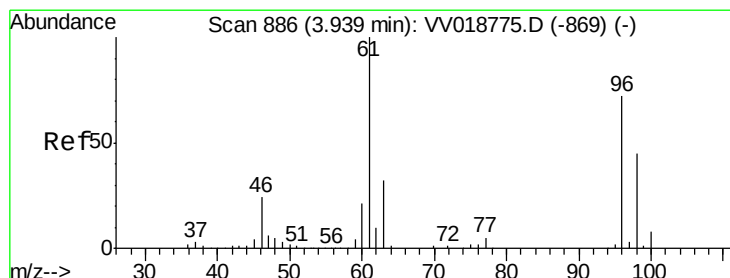
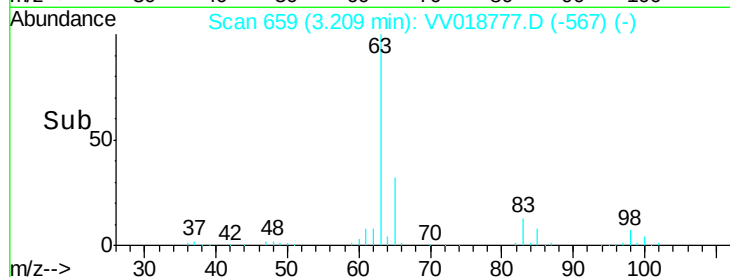
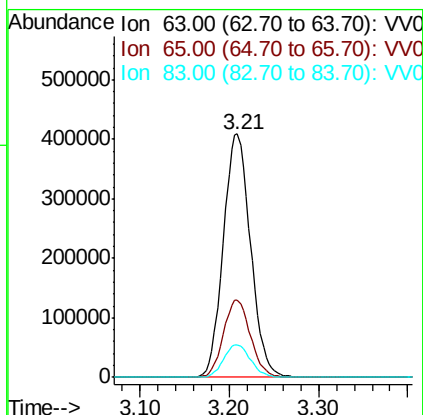
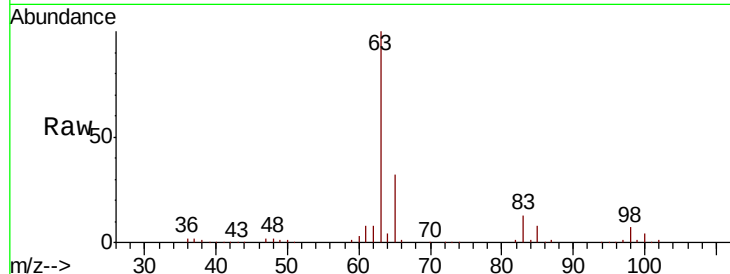




#19
 1,1-Dichloroethane
 Concen: 213.736 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

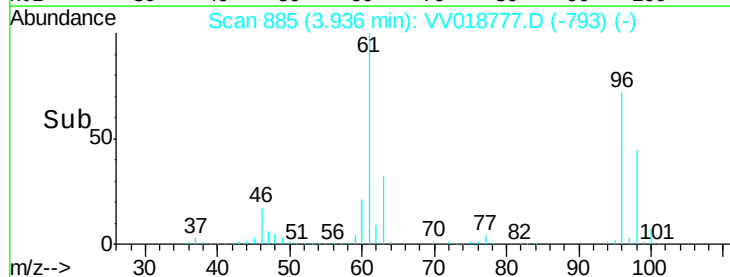
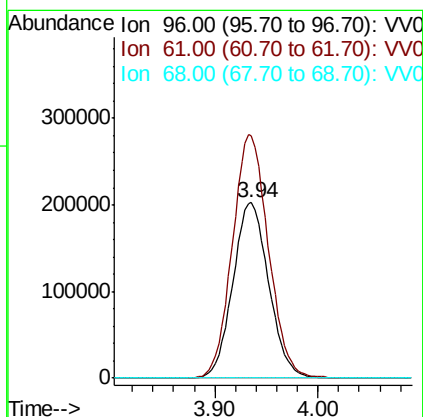
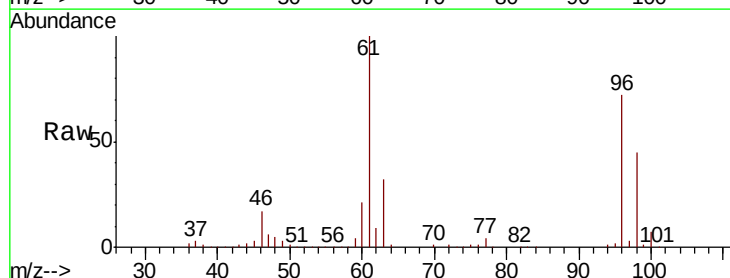
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20064

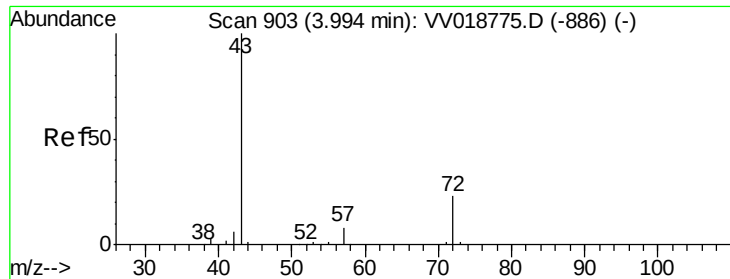
Tot Ion: 63 Resp: 865457
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 40.8
 83 13.5 9.2 17.0



#20
 cis-1,2-Dichloroethene
 Concen: 204.606 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

Tgt Ion: 96 Resp: 490462
 Ion Ratio Lower Upper
 96 100
 61 138.0 97.3 180.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 494.768 ug/L

RT: 3.98 min Scan# 899

Delta R.T. -0.01 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

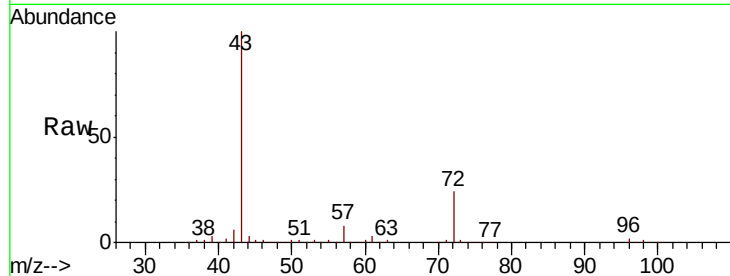
VSTD20064

Tot Ion: 43 Resp: 754435

Ion Ratio Lower Upper

43 100

72 24.3 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018777.D (-899) (-)

Ion 72.00 (71.70 to 72.70): VV018777.D (-899) (-)

3.98

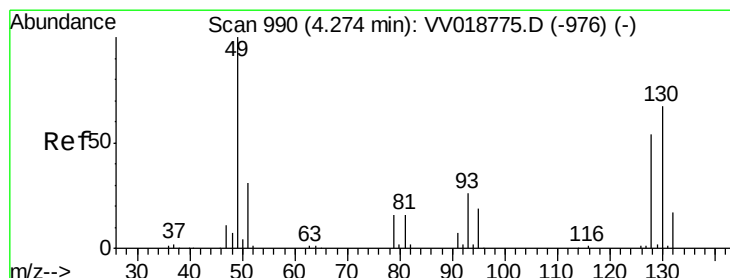
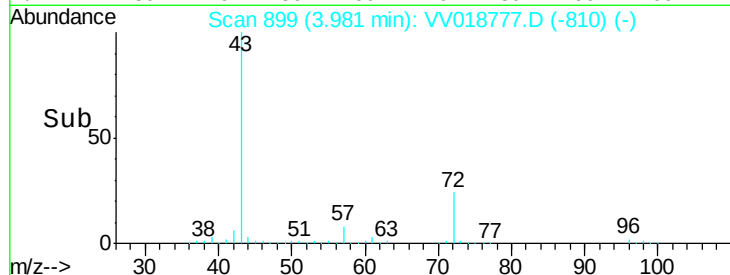
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 186.391 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Tgt Ion: 128 Resp: 243241

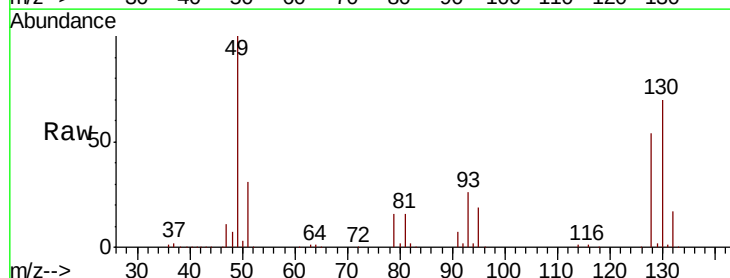
Ion Ratio Lower Upper

128 100

49 185.9 129.7 240.9

130 129.6 86.7 161.1

51 57.9 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV018777.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018777.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018777.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018777.D (-897) (-)

250000

200000

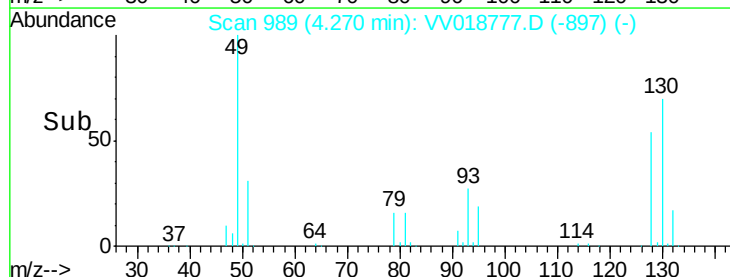
150000

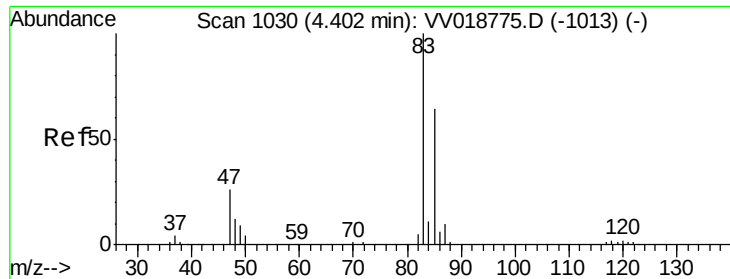
100000

50000

0

Time-->

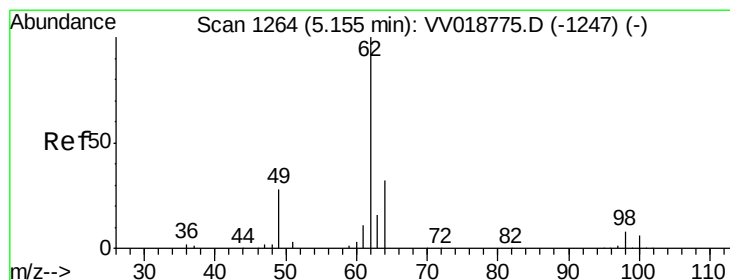
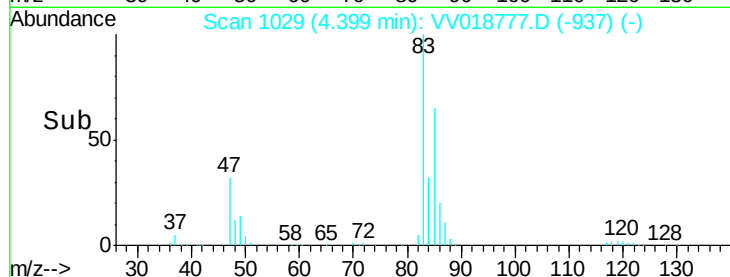
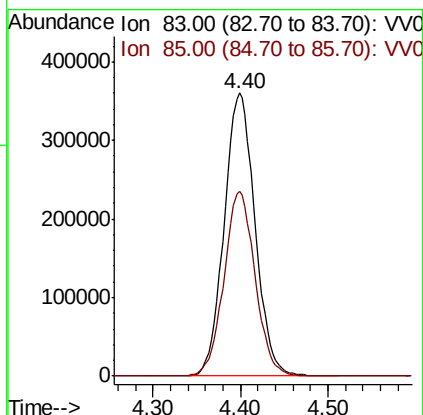
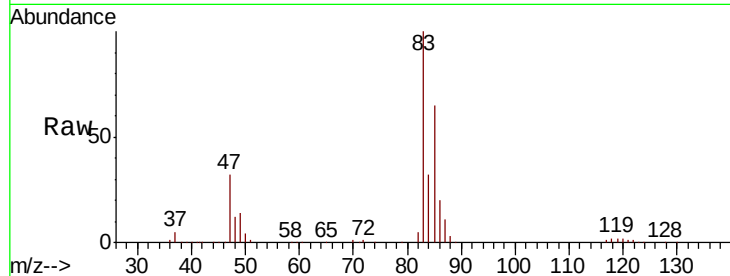




#25
Chloroform
Concen: 207.272 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

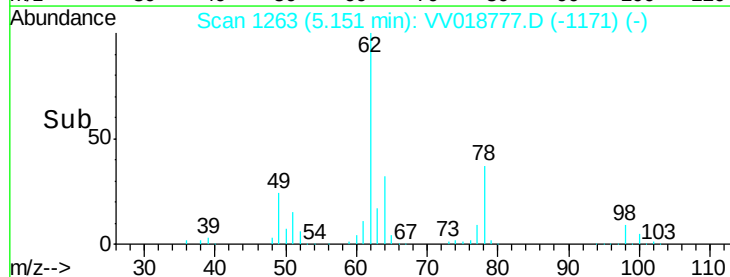
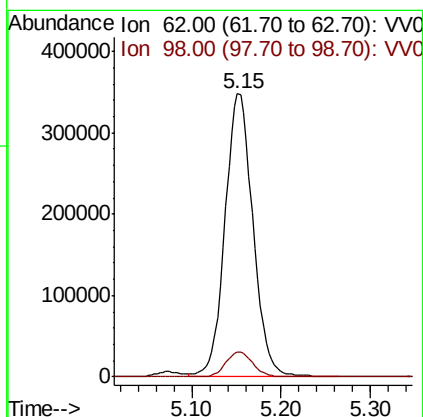
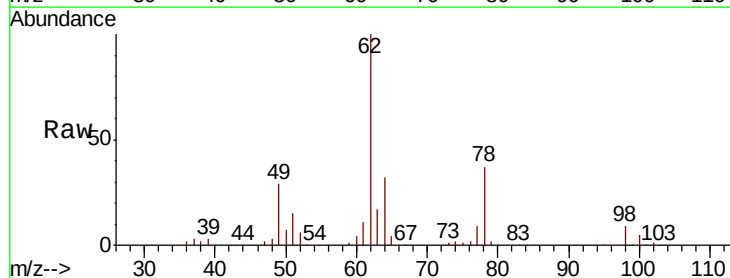
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

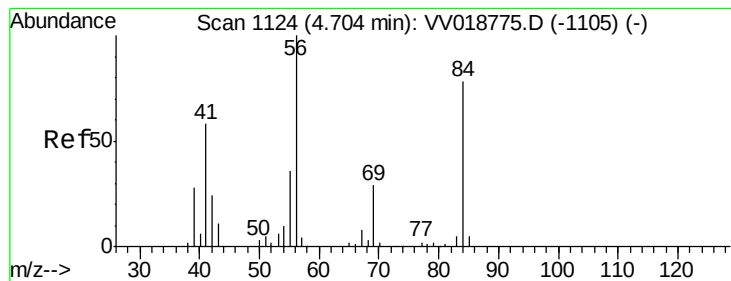
Tot Ion: 83 Resp: 880884
Ion Ratio Lower Upper
83 100
85 65.4 45.0 83.6



#27
1,2-Dichloroethane
Concen: 224.921 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

Tgt Ion: 62 Resp: 752913
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





#29

Cyclohexane

Concen: 202.103 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

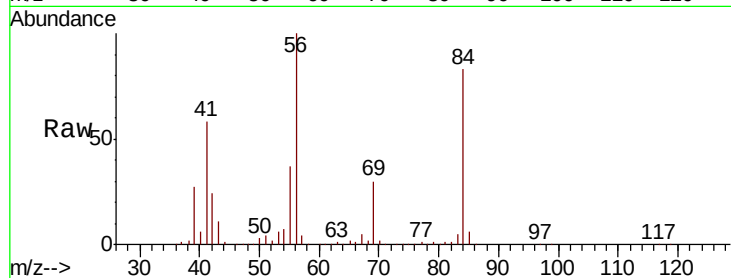
Tot Ion: 56 Resp: 761138

Ion Ratio Lower Upper

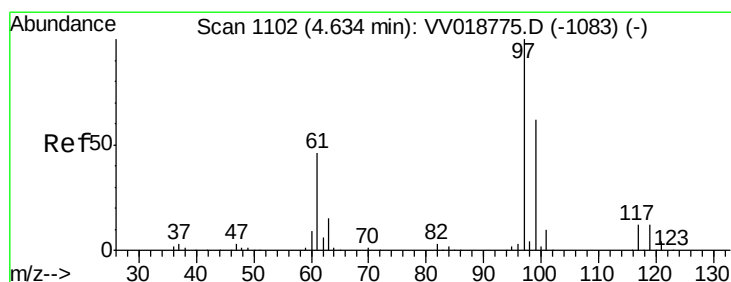
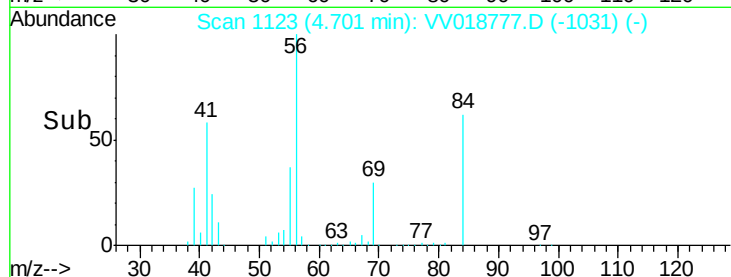
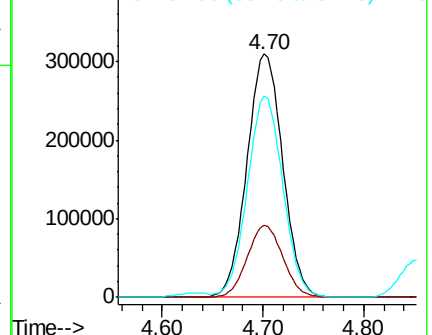
56 100

69 29.5 23.1 34.7

84 82.1 65.2 97.8



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



#30

1,1,1-Trichloroethane

Concen: 194.148 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

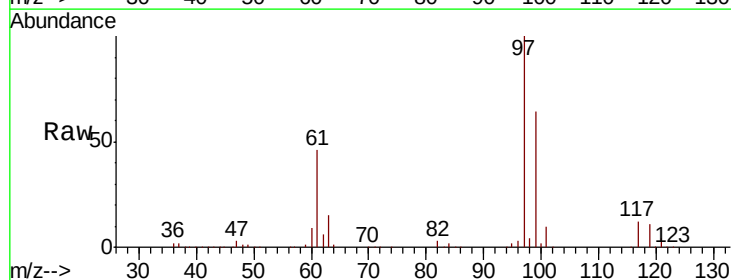
Tgt Ion: 97 Resp: 795291

Ion Ratio Lower Upper

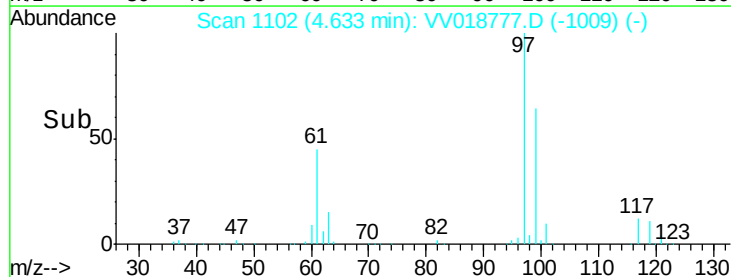
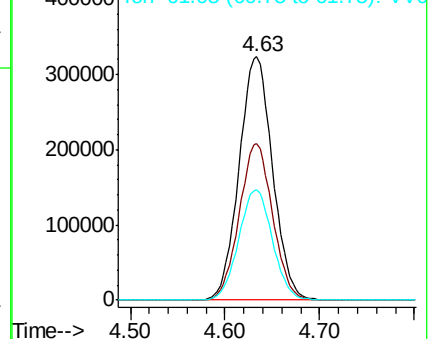
97 100

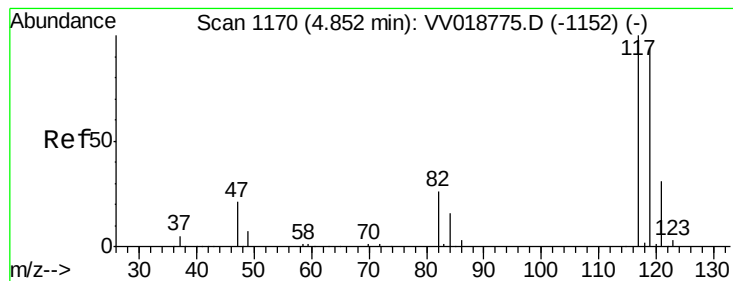
99 64.1 51.0 76.4

61 46.0 37.0 55.4



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: 188.785 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

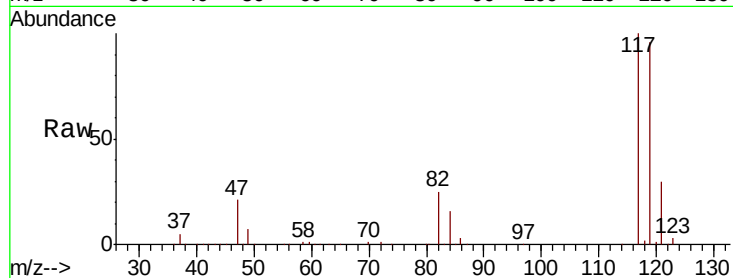
VSTD20064

Tot Ion:117 Resp: 688480

Ion Ratio Lower Upper

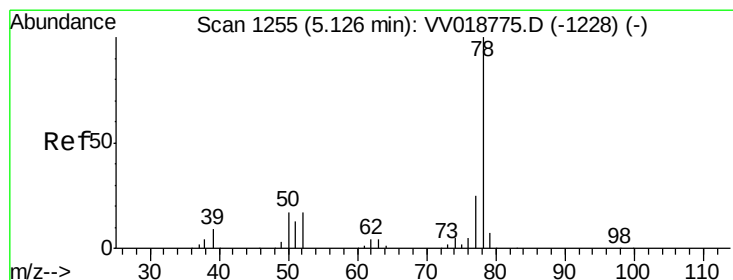
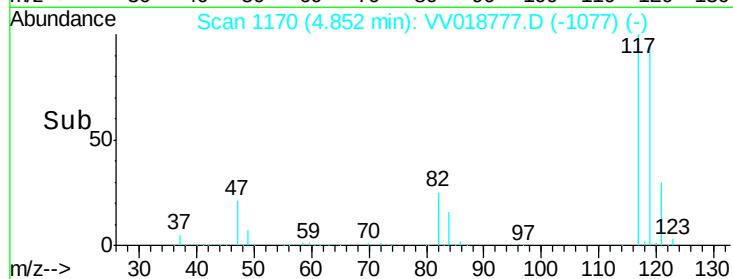
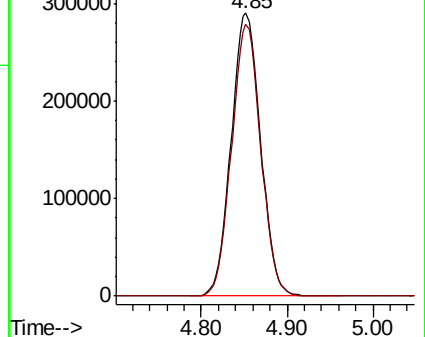
117 100

119 95.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 195.552 ug/L

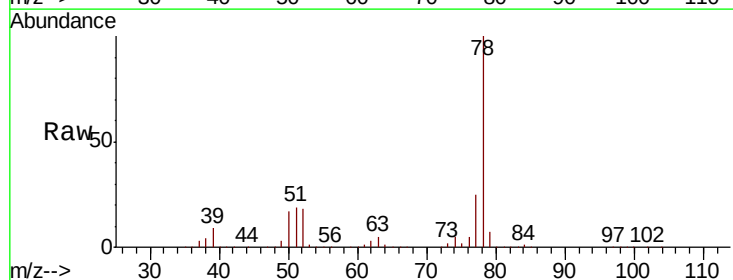
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

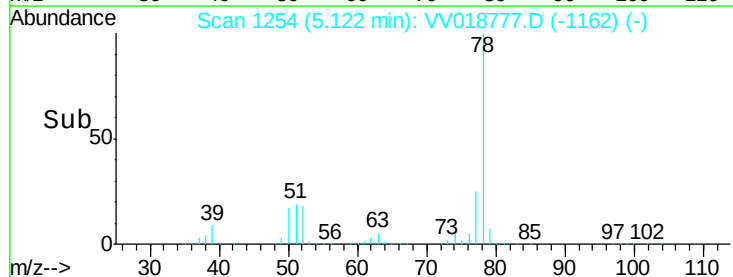
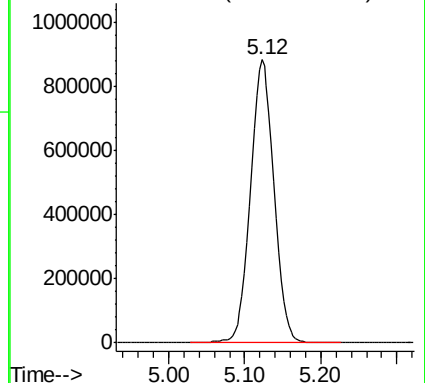
Lab File: VV018777.D

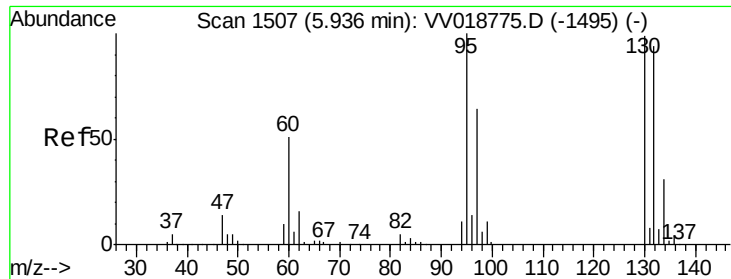
Acq: 08 Oct 2020 21:28

Tgt Ion: 78 Resp: 1901599



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 174.086 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

Tot Ion: 95 Resp: 497657

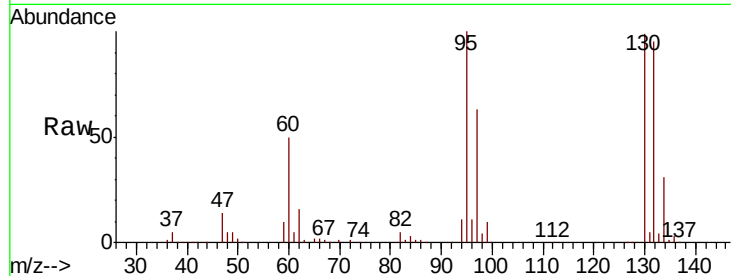
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.9

132 94.7 66.2 123.0

130 99.1 69.1 128.3

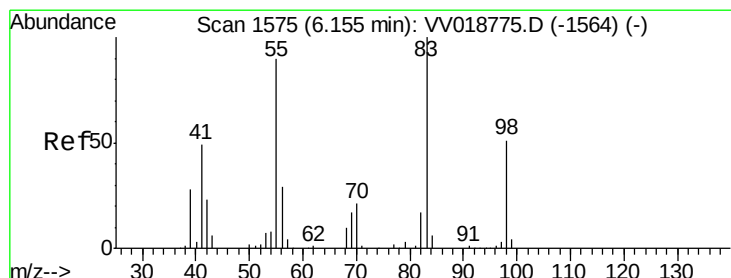
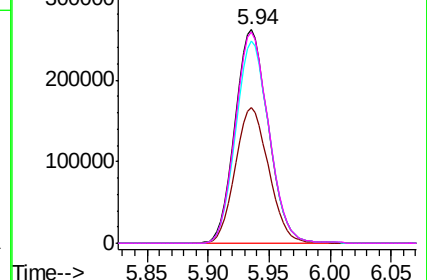
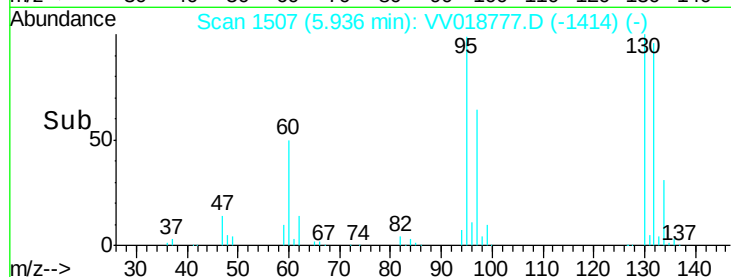


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 176.007 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

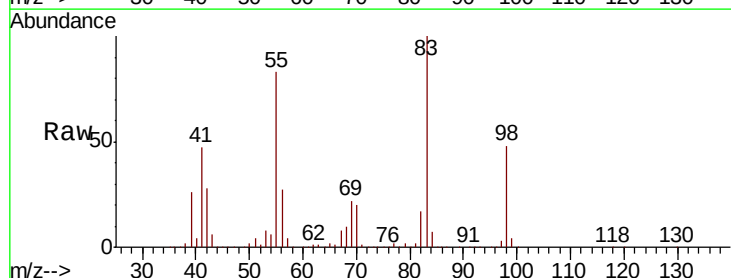
Tgt Ion: 83 Resp: 667862

Ion Ratio Lower Upper

83 100

55 83.7 67.0 100.4

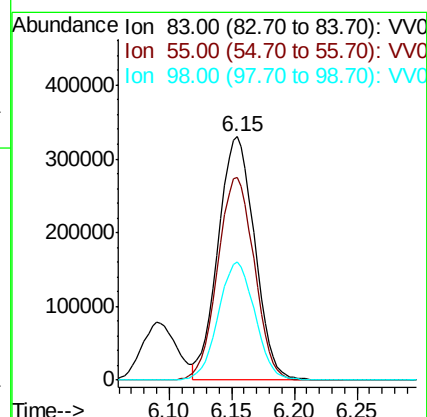
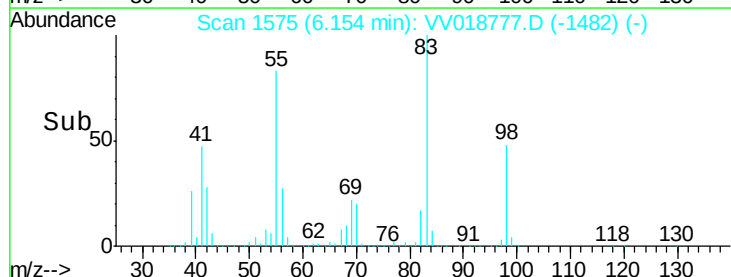
98 48.6 38.8 58.2

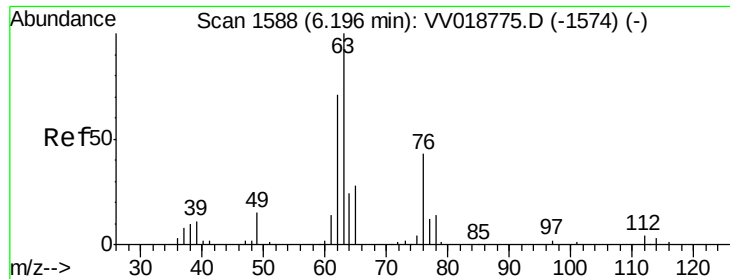


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

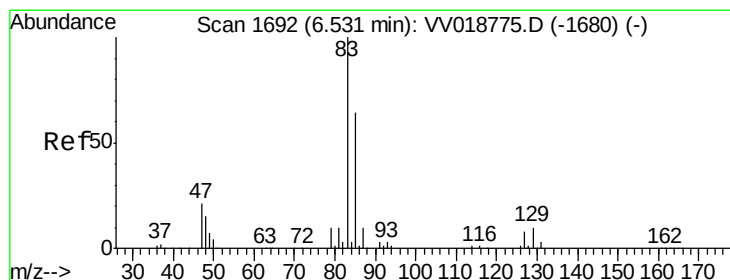
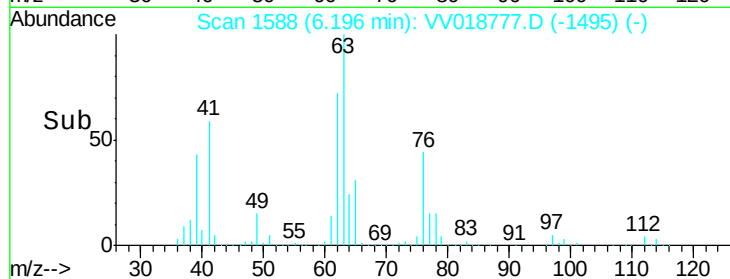
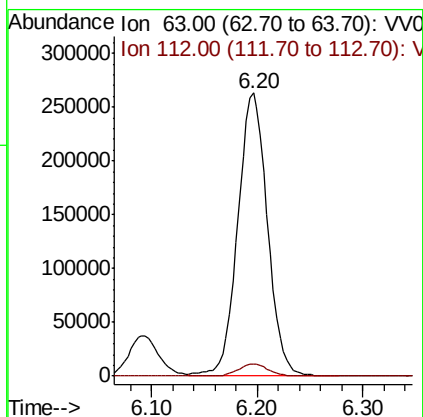
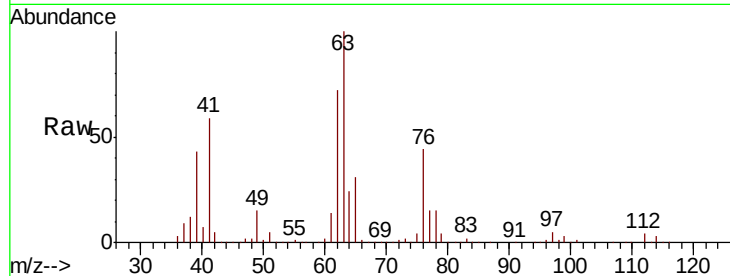




#37
 1,2-Dichloropropane
 Concen: 199.388 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

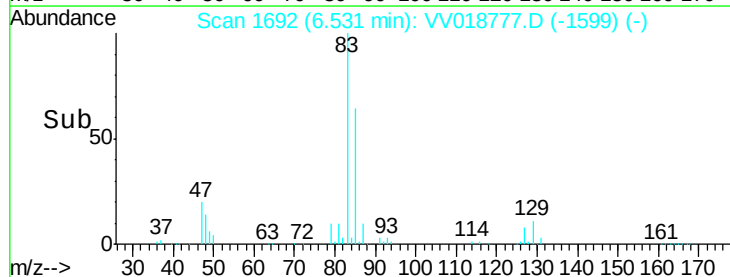
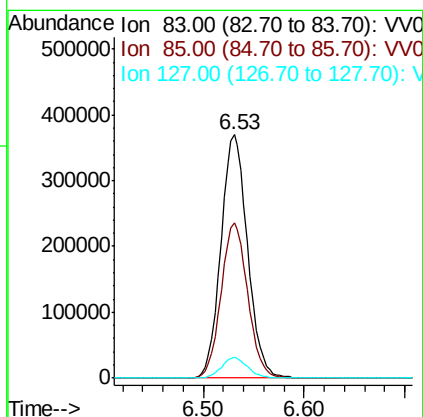
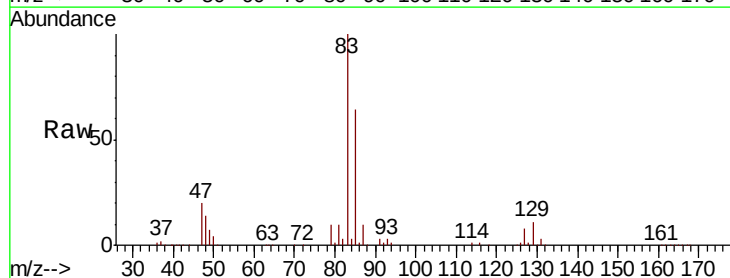
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20064

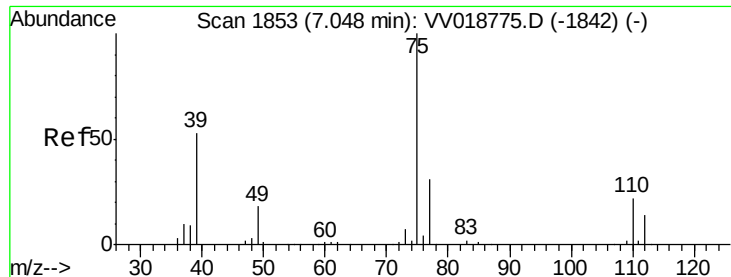
Tot Ion: 63 Resp: 511115
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 202.992 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

Tgt Ion: 83 Resp: 680734
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.1 83.7
 127 8.4 6.6 10.0

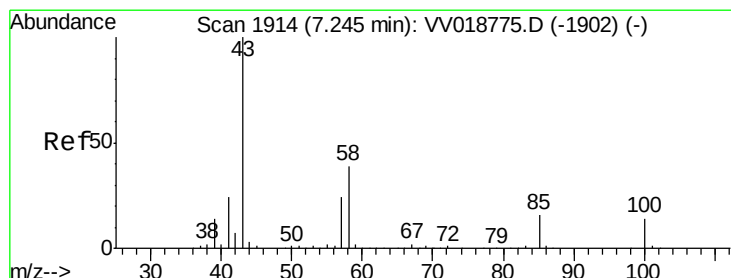
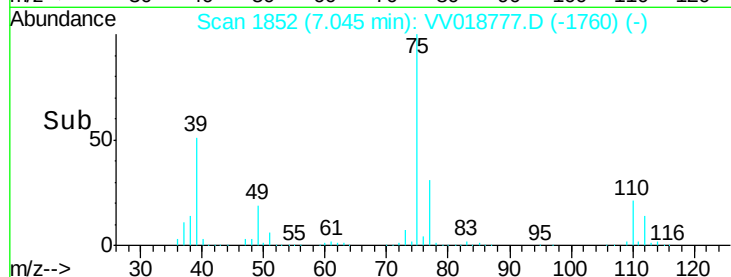
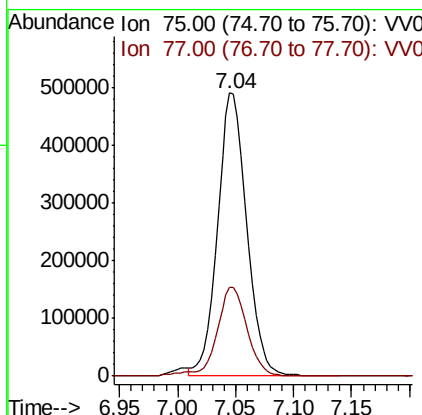
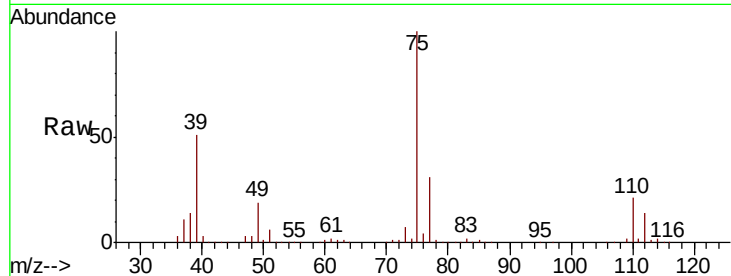




#39
 cis-1,3-Dichloropropene
 Concen: 219.729 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

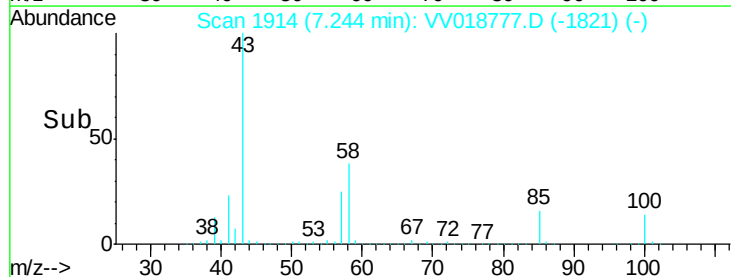
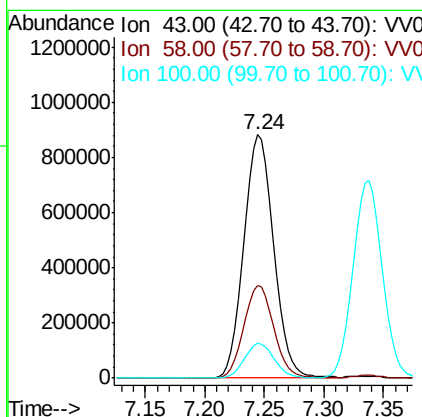
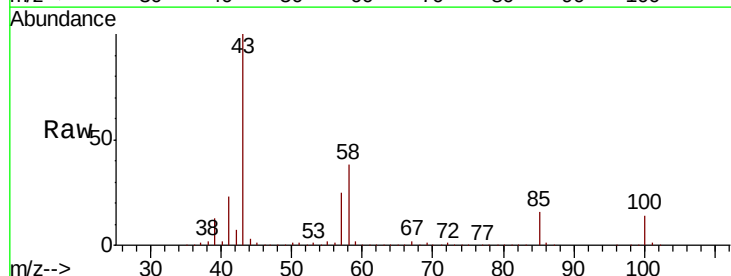
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20064

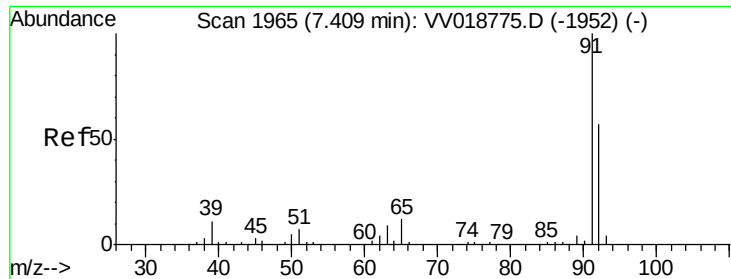
Tot Ion: 75 Resp: 854539
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 472.970 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

Tgt Ion: 43 Resp: 1536457
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.2 45.4
 100 14.2 11.4 17.2





#42

Toluene

Concen: 192.330 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

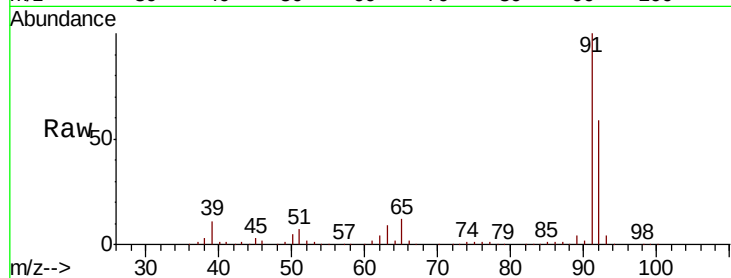
VSTD20064

Tot Ion: 91 Resp: 2011280

Ion Ratio Lower Upper

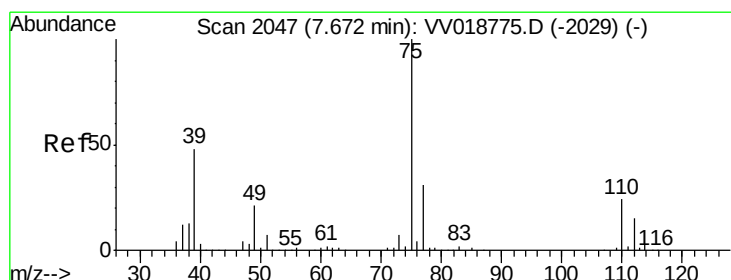
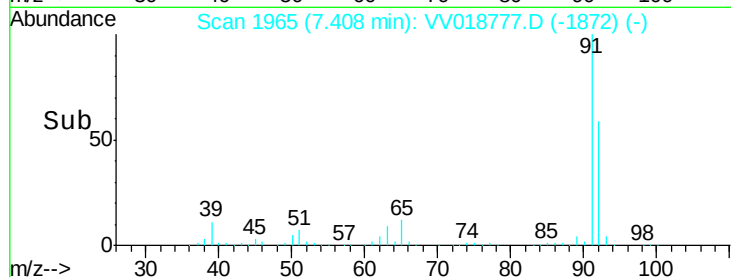
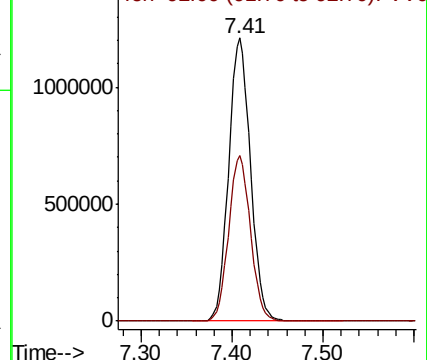
91 100

92 58.7 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 217.906 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018777.D

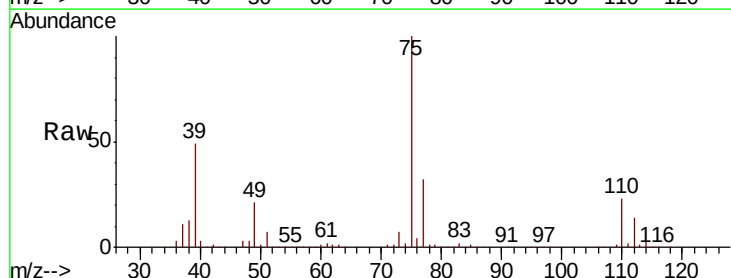
Acq: 08 Oct 2020 21:28

Tgt Ion: 75 Resp: 838149

Ion Ratio Lower Upper

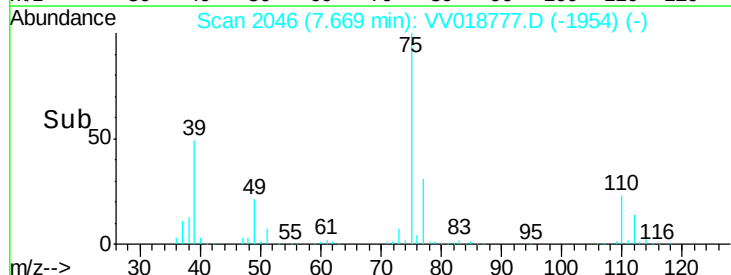
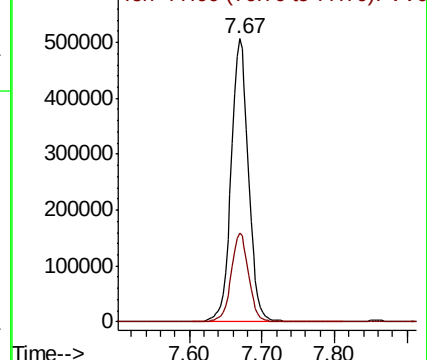
75 100

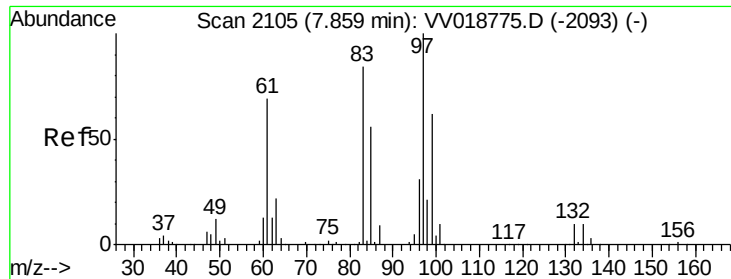
77 31.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

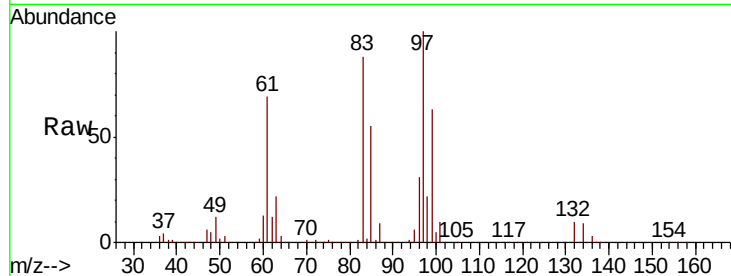




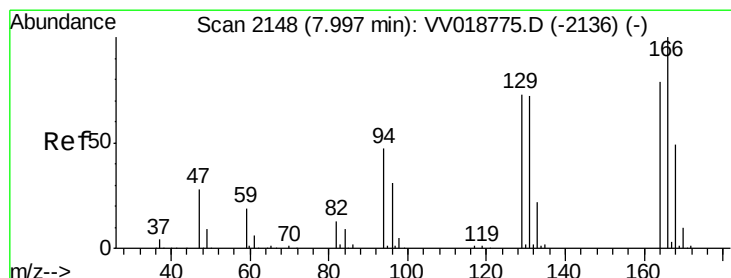
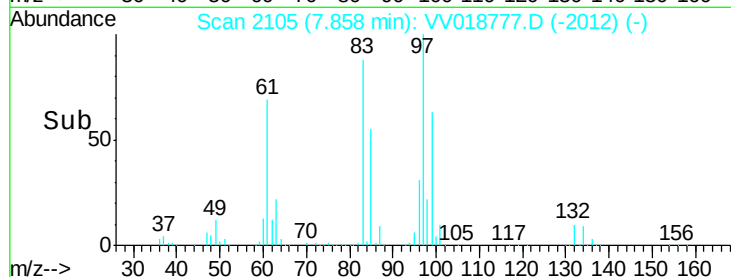
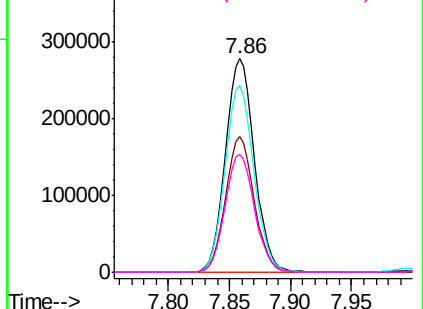
#45
1,1,2-Trichloroethane
Concen: 189.030 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tot Ion:	97	Resp:	463865
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.4	80.6
83	87.6	58.7	108.9
85	55.4	39.4	73.2

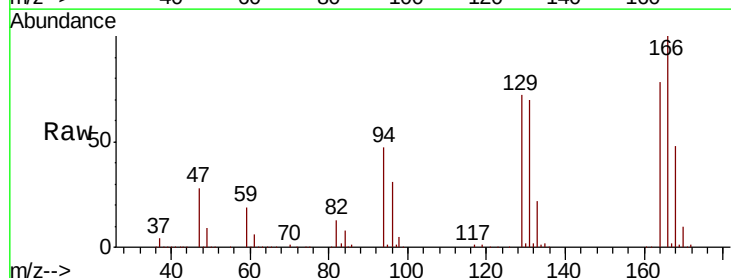


Abundance Ion 97.00 (96.70 to 97.70): VV018777.D (-2093) (-)

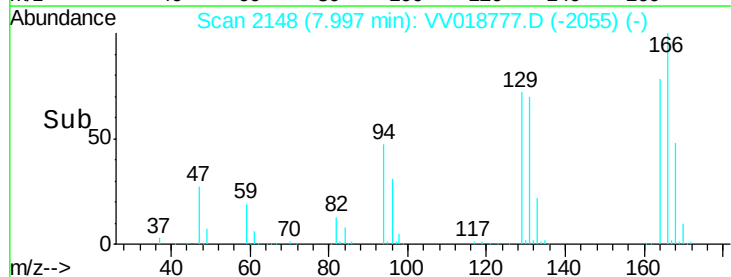
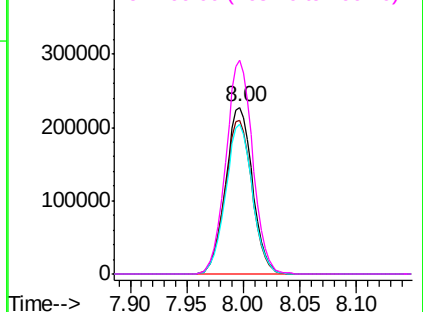


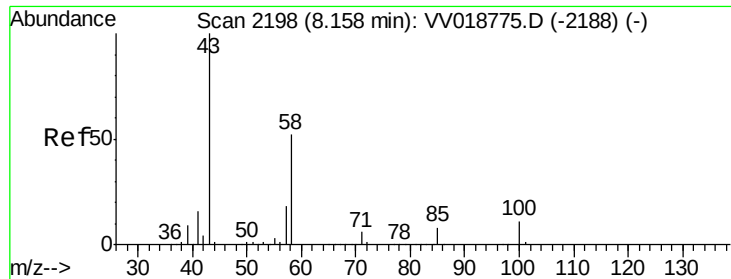
#46
Tetrachloroethene
Concen: 167.931 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

Tgt Ion:	164	Resp:	375801
Ion	Ratio	Lower	Upper
164	100		
129	92.5	64.6	120.0
131	89.7	63.6	118.0
166	128.2	88.3	164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018777.D (-2136) (-)

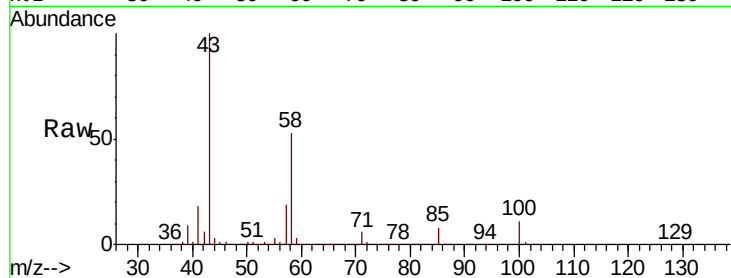




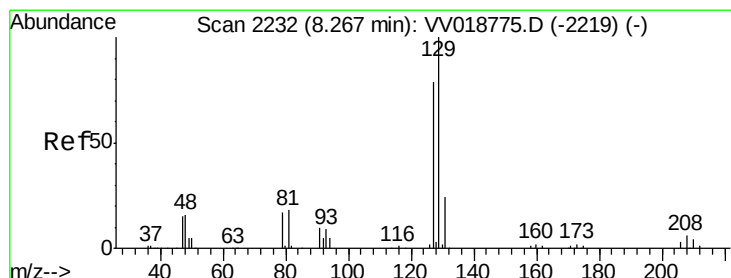
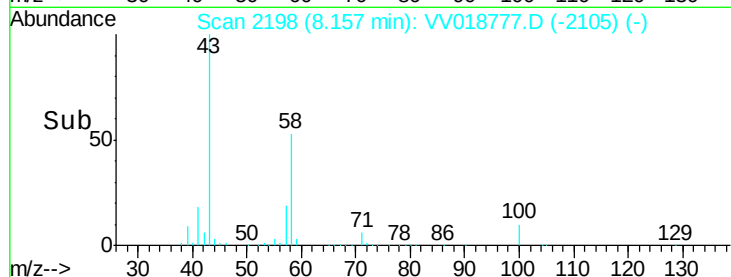
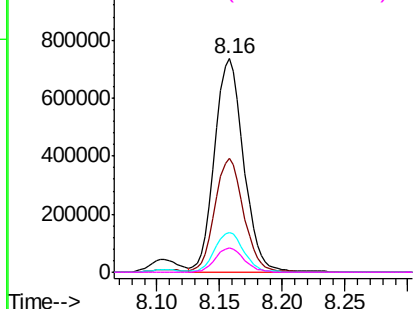
#48
2-Hexanone
Concen: 464.760 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tot Ion: 43 Resp: 1179295
Ion Ratio Lower Upper
43 100
58 52.9 41.8 62.8
57 18.8 14.9 22.3
100 11.4 9.2 13.8

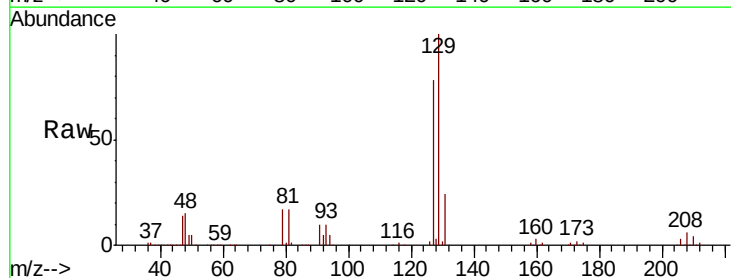


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

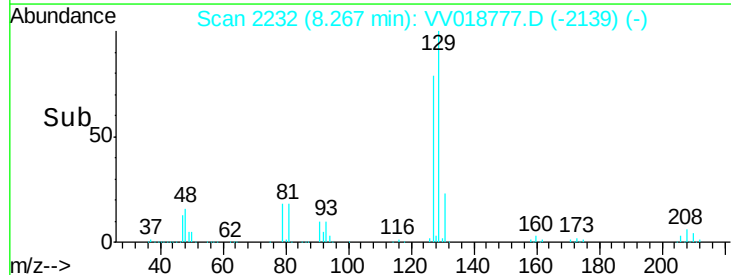
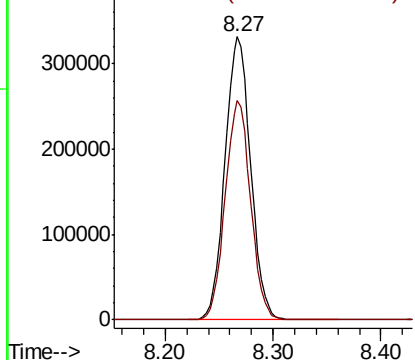


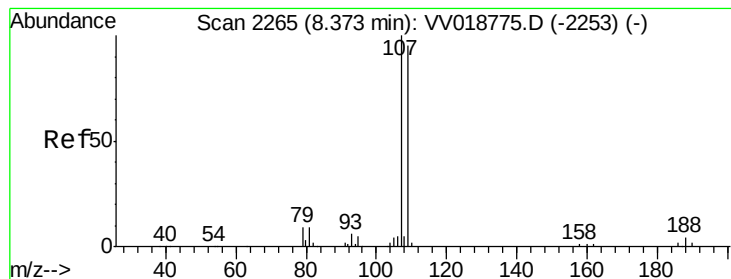
#49
Dibromochloromethane
Concen: 197.153 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018777.D
Acq: 08 Oct 2020 21:28

Tgt Ion: 129 Resp: 547845
Ion Ratio Lower Upper
129 100
127 77.6 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 192.328 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

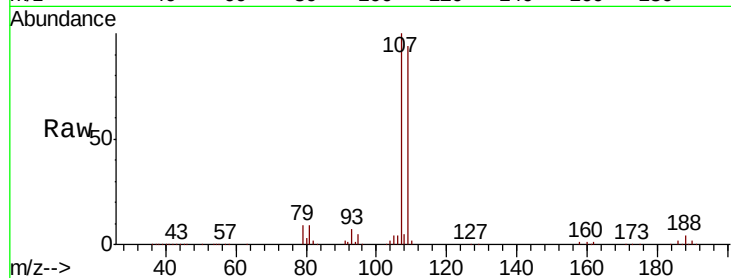
Tot Ion:107 Resp: 497766

Ion Ratio Lower Upper

107 100

109 93.7 66.4 123.2

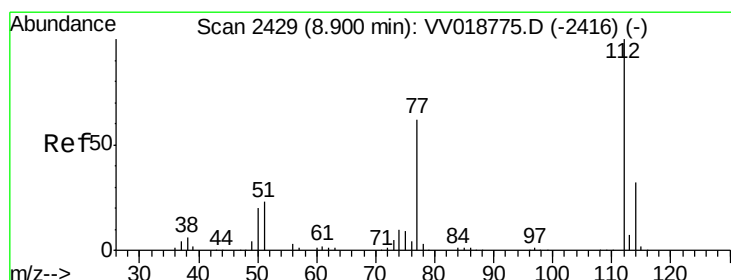
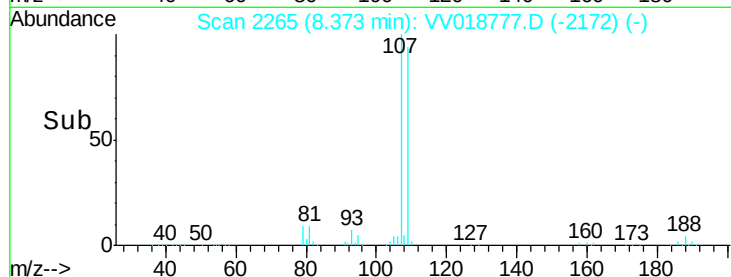
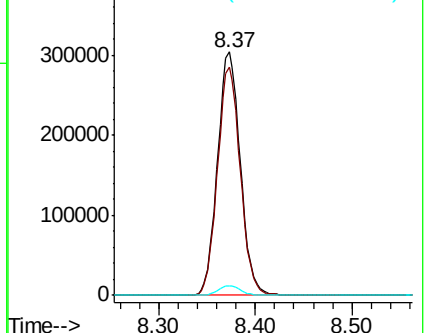
188 3.9 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 192.167 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

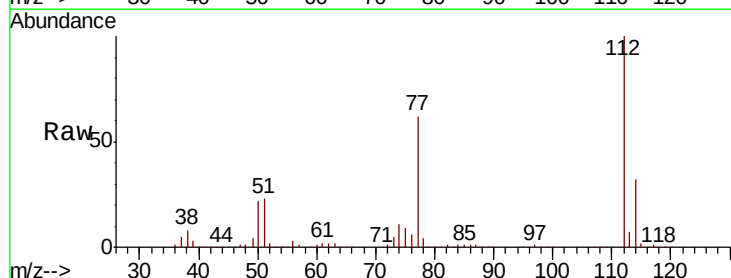
Tgt Ion:112 Resp: 1348527

Ion Ratio Lower Upper

112 100

114 32.4 22.0 41.0

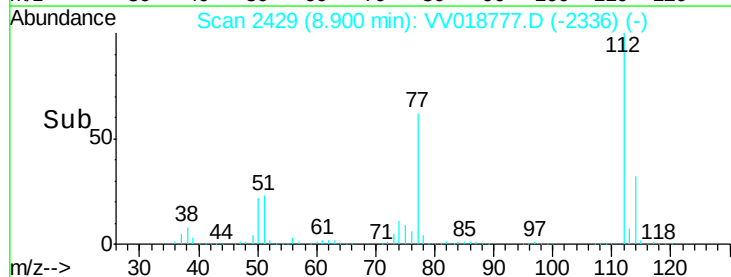
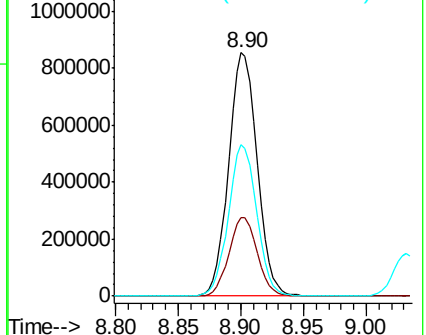
77 62.4 49.8 74.6

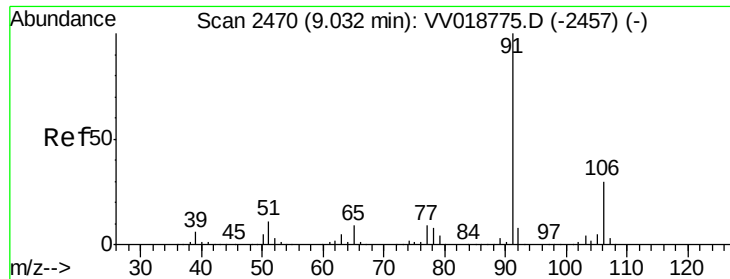


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 213.583 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

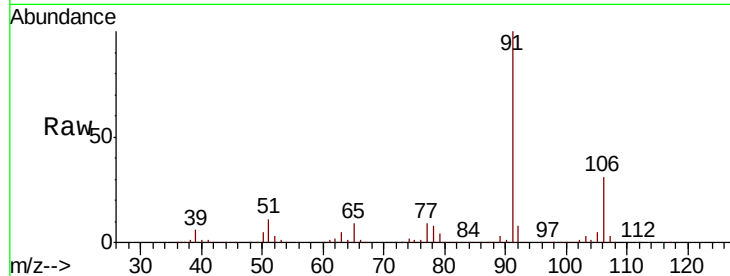
VSTD20064

Tot Ion: 91 Resp: 2497829

Ion Ratio Lower Upper

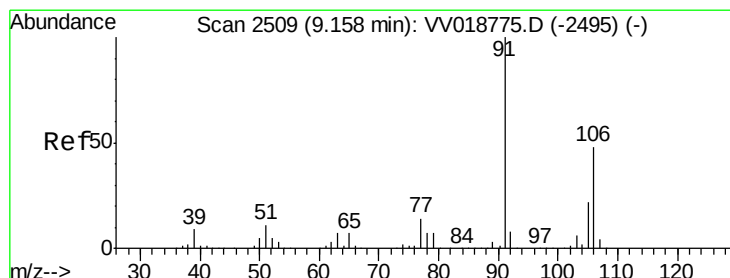
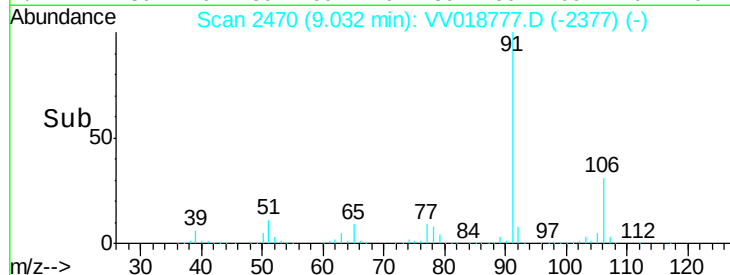
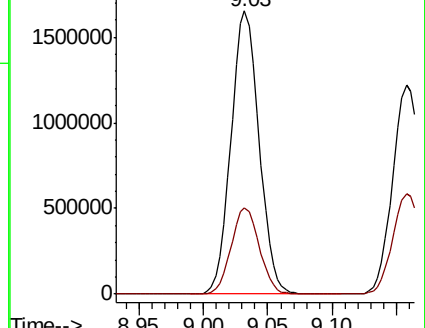
91 100

106 30.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018777.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018777.D (-2377) (-)



#53

m,p-Xylene

Concen: 208.636 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018777.D

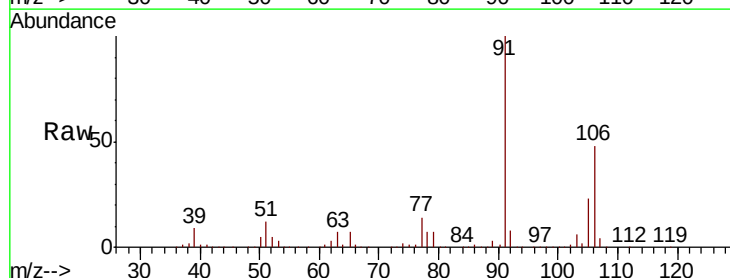
Acq: 08 Oct 2020 21:28

Tgt Ion: 106 Resp: 936543

Ion Ratio Lower Upper

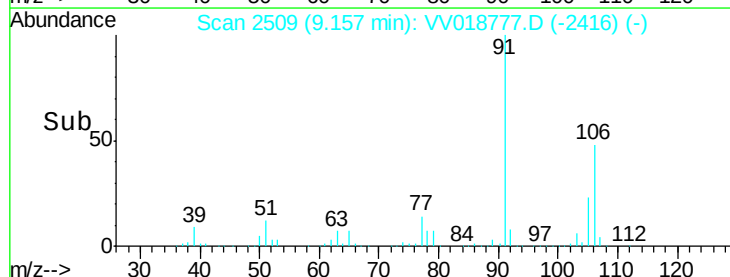
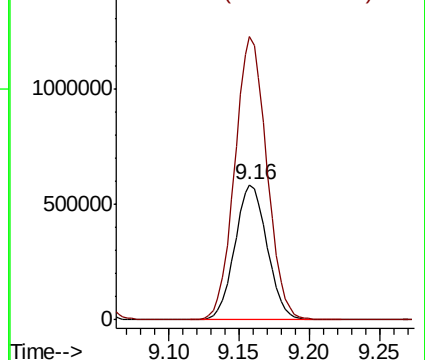
106 100

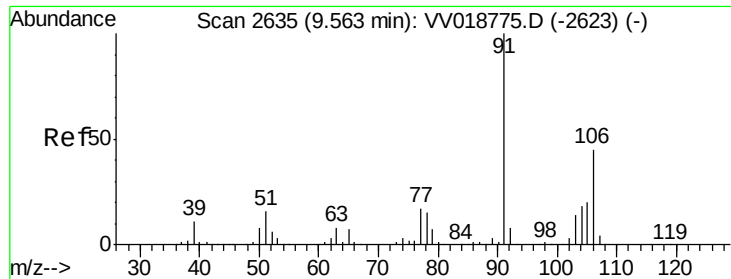
91 209.0 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): VV018777.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018777.D (-2416) (-)





#54

o-xylene

Concen: 204.119 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

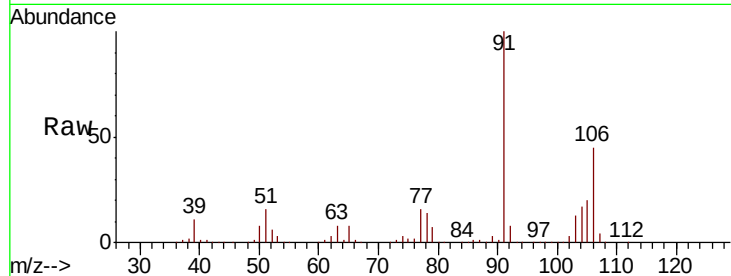
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tot Ion:106 Resp: 865255

Ion Ratio Lower Upper

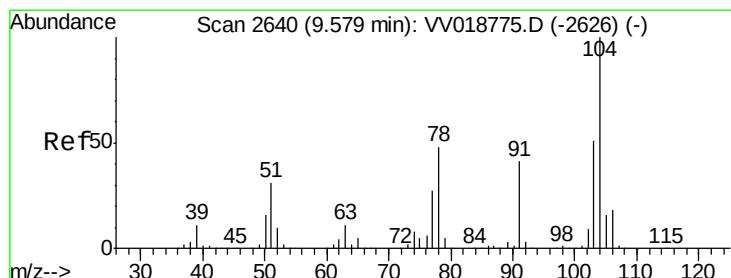
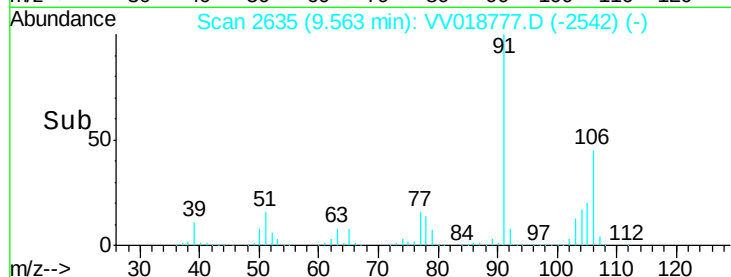
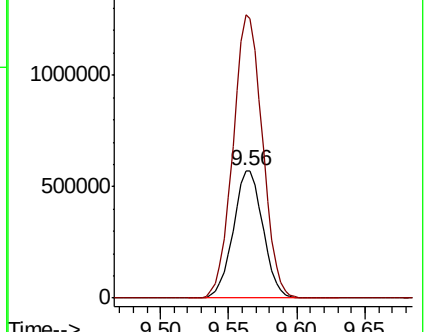
106 100

91 221.7 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 208.598 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018777.D

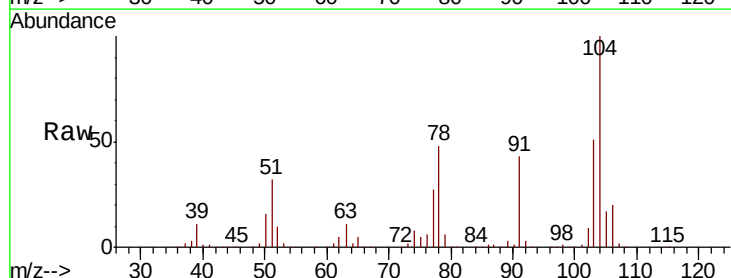
Acq: 08 Oct 2020 21:28

Tgt Ion:104 Resp: 1547343

Ion Ratio Lower Upper

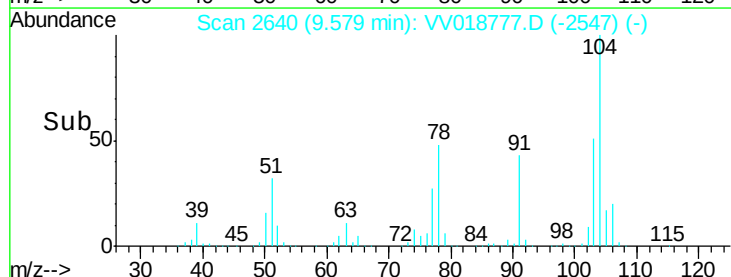
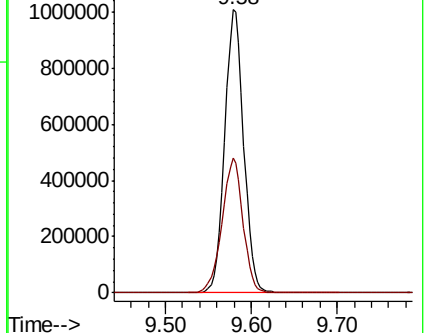
104 100

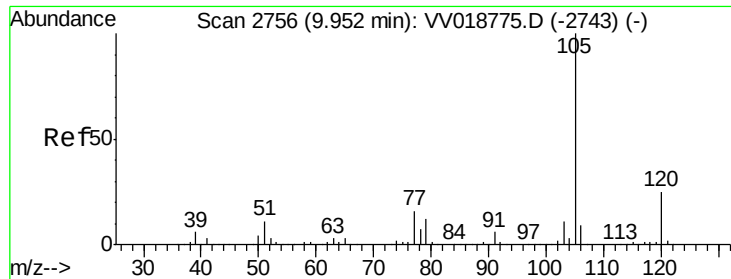
78 47.6 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 191.956 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

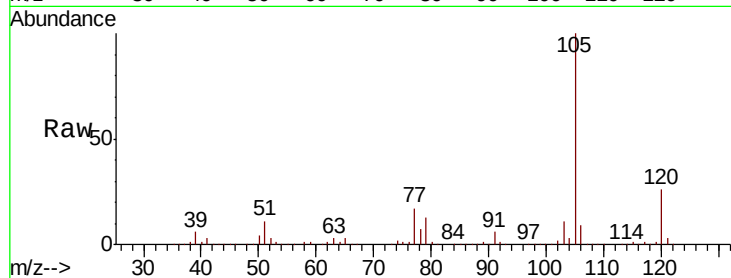
Tot Ion:105 Resp: 2228243

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

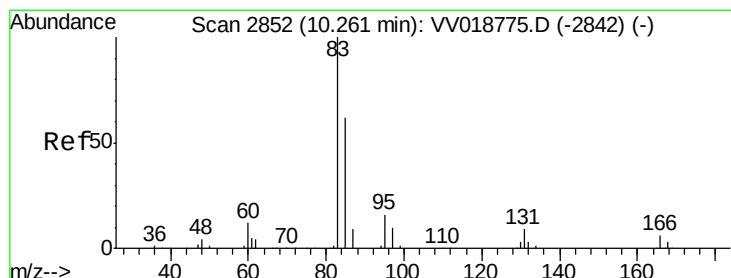
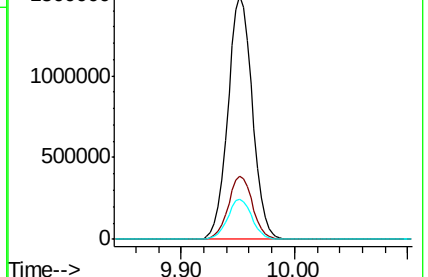
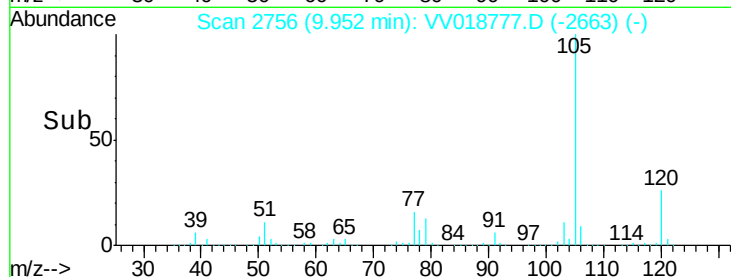
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 211.557 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

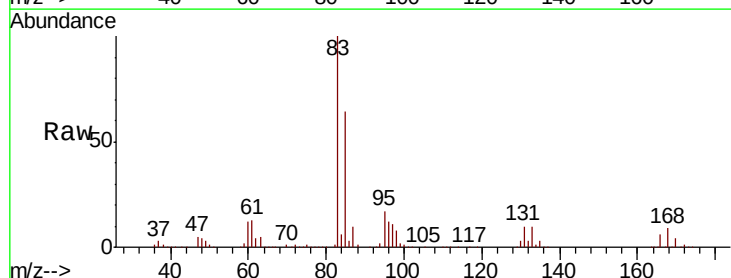
Tgt Ion: 83 Resp: 732544

Ion Ratio Lower Upper

83 100

85 63.9 44.5 82.7

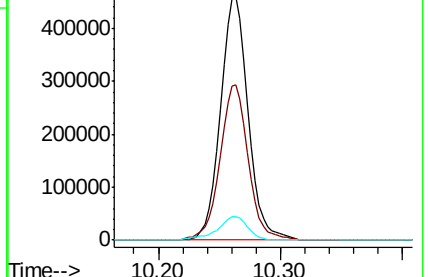
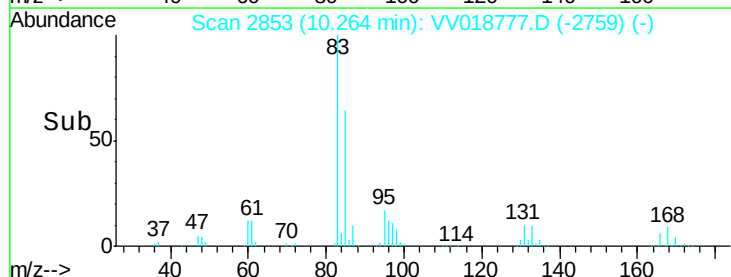
131 9.8 8.0 12.0

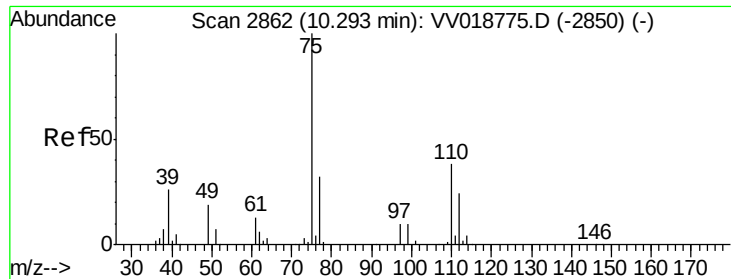


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 203.790 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

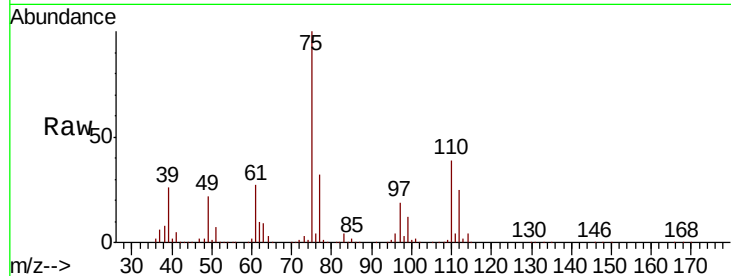
VSTD20064

Tot Ion: 75 Resp: 623083

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV018777.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018777.D (-2850) (-)

10.30

400000

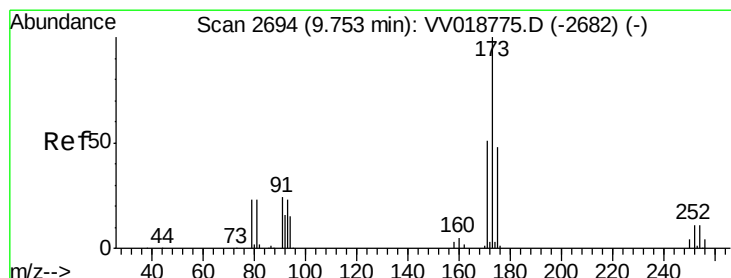
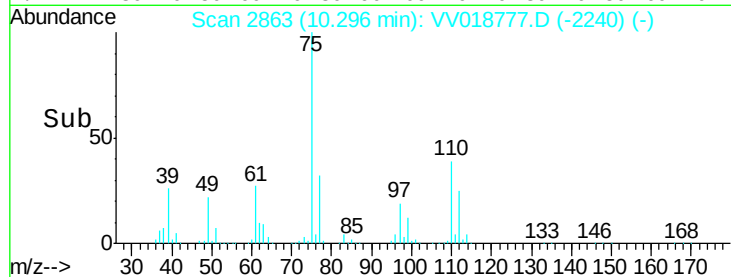
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 207.514 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

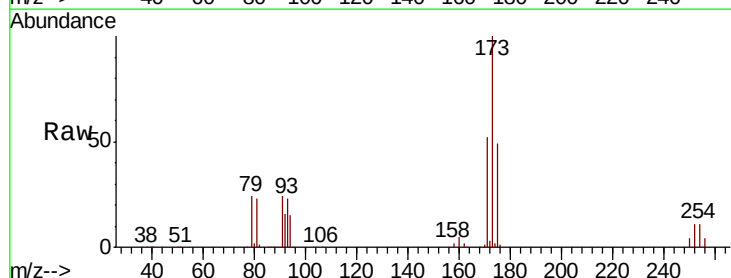
Tgt Ion: 173 Resp: 408275

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 10.6 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): VV018777.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018777.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018777.D (-2682) (-)

9.75

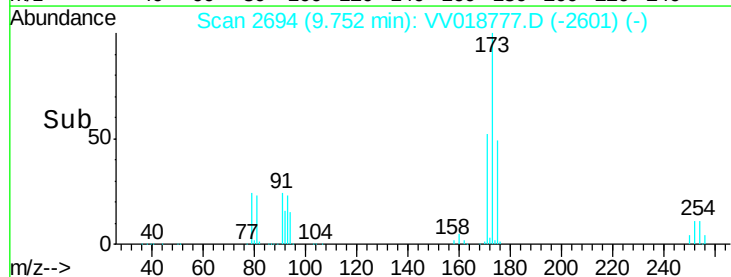
300000

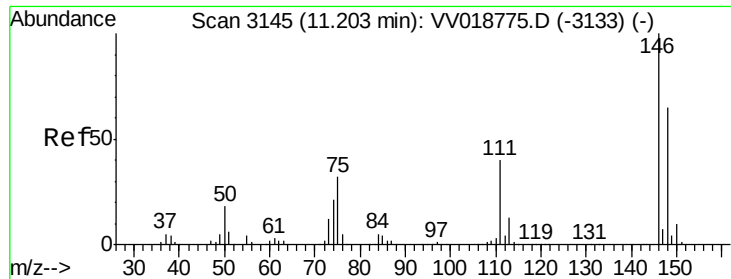
200000

100000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 190.196 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

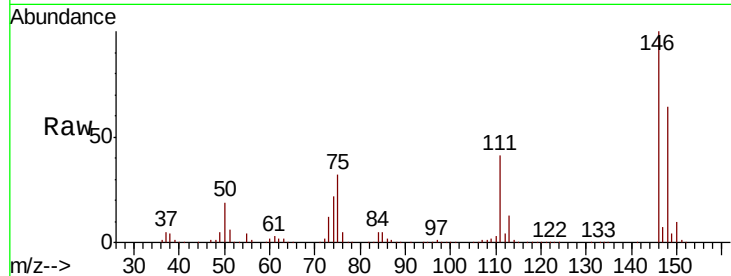
MSVOA_V

ClientSampleId :

VSTD20064

Tot Ion:146 Resp: 1054705

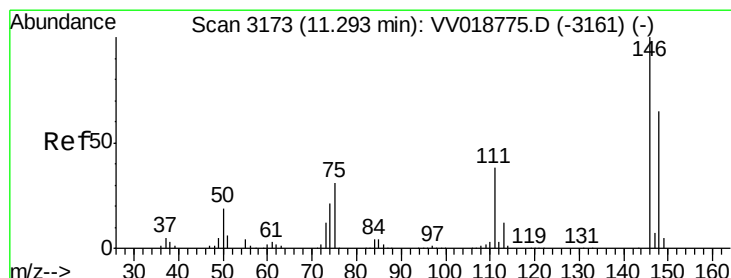
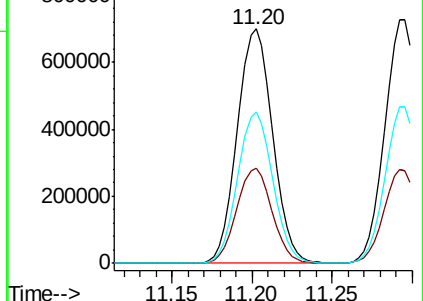
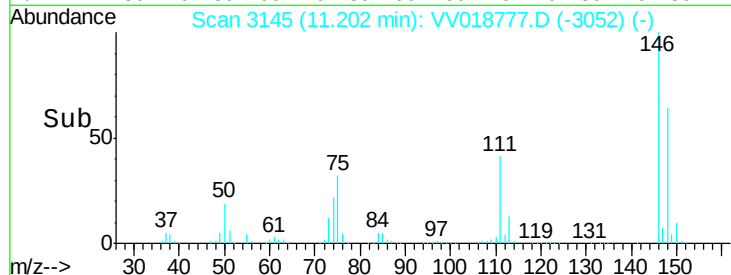
Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.8	51.6
148	64.4	45.4	84.4



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: 191.942 ug/L

RT: 11.29 min Scan# 3173

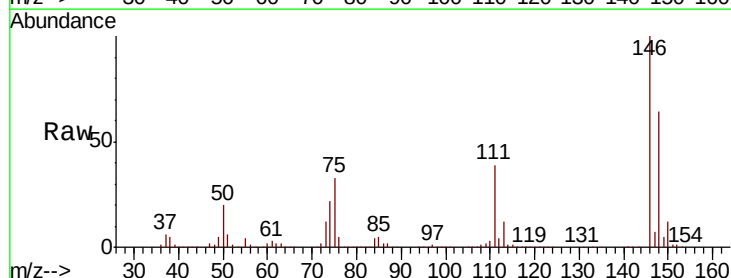
Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Tgt Ion:146 Resp: 1097055

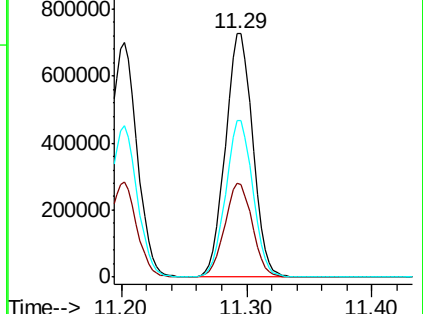
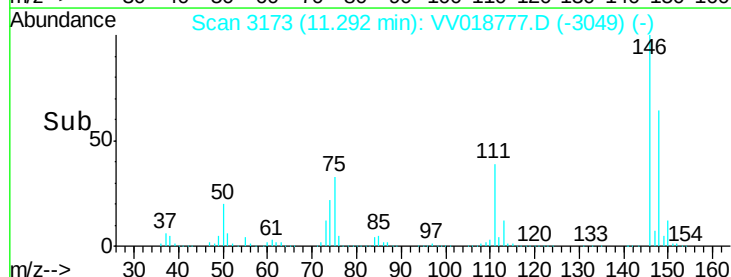
Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.1	50.3
148	64.3	45.4	84.4

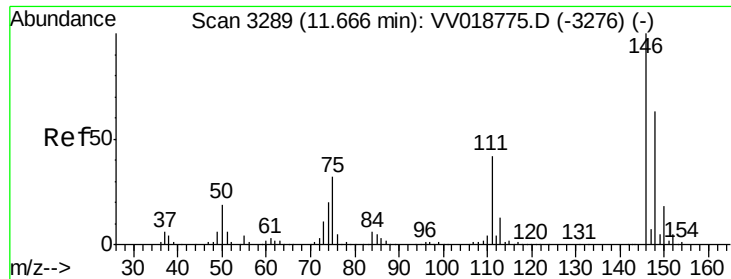


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 192.745 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

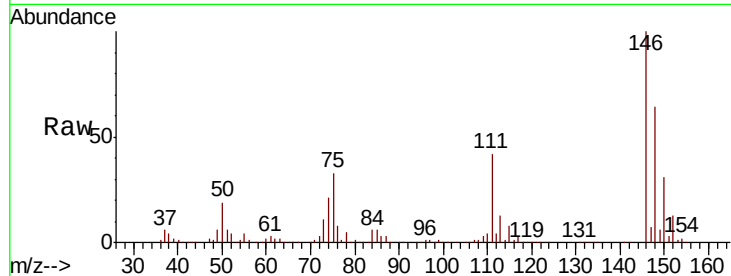
Tot Ion:146 Resp: 1062185

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.6

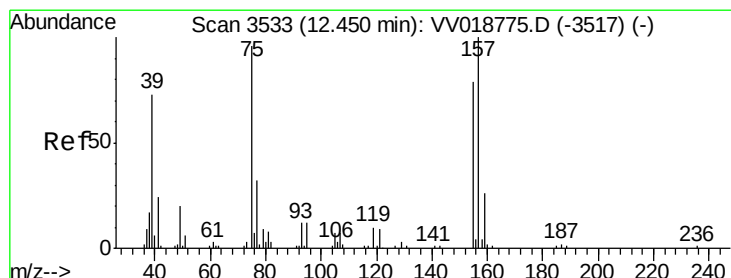
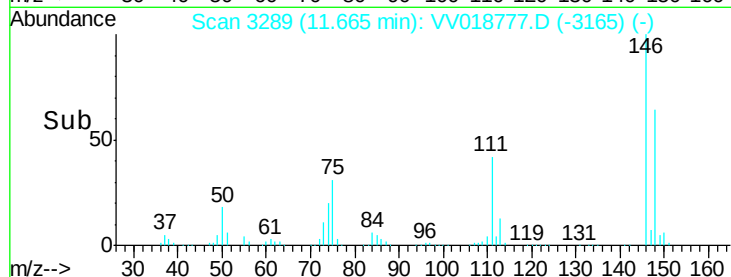
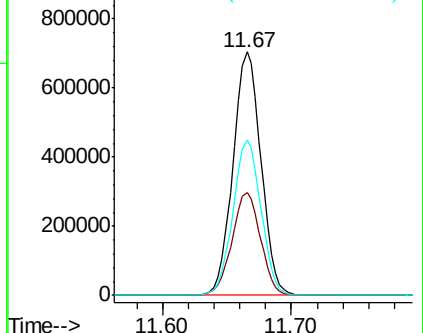
148 63.7 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 249.802 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

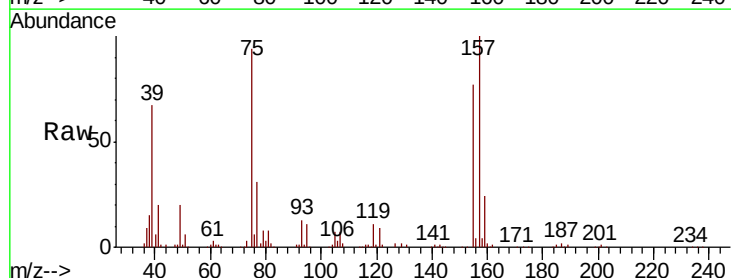
Tgt Ion: 75 Resp: 185189

Ion Ratio Lower Upper

75 100

155 82.4 65.8 98.8

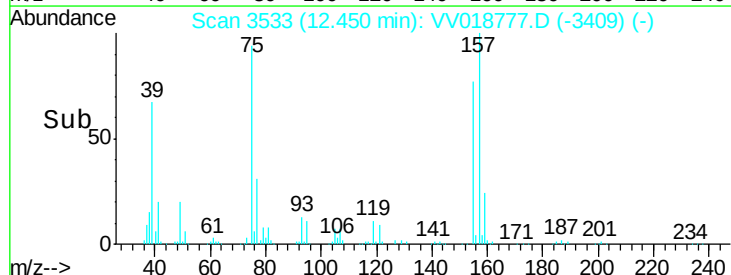
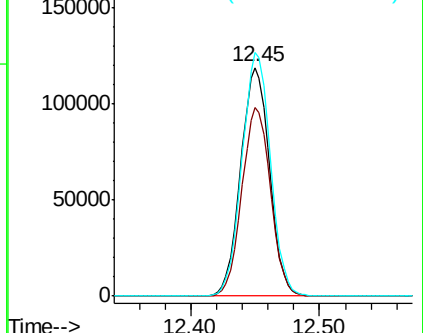
157 106.5 83.0 124.6

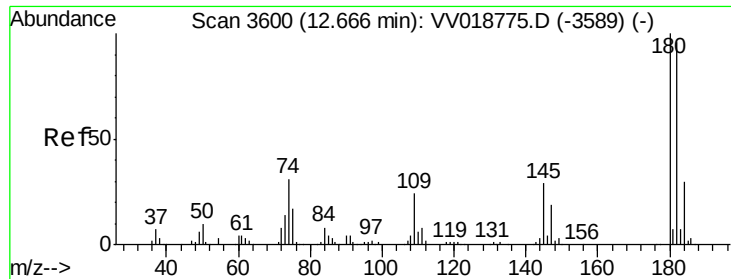


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

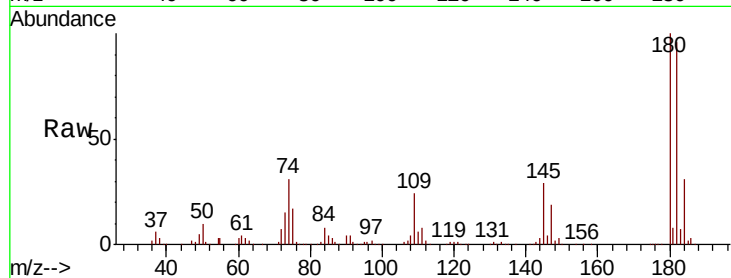




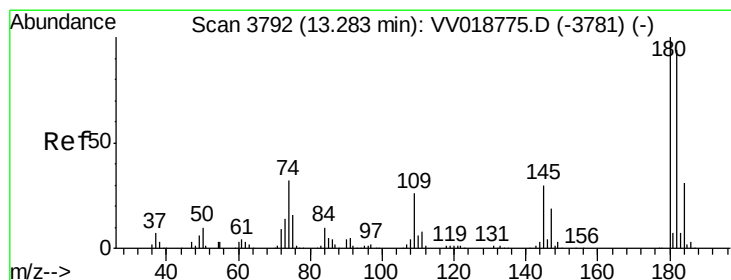
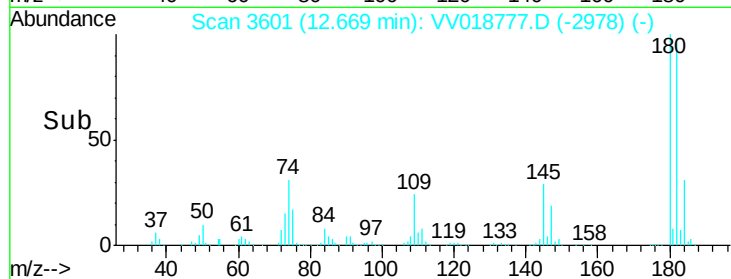
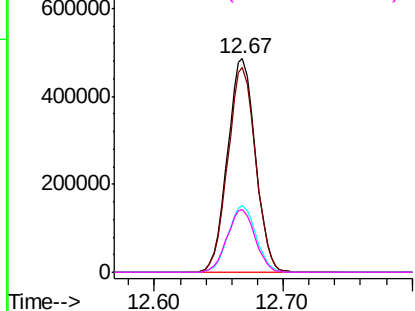
#67
 1,3,5-Trichlorobenzene
 Concen: 191.527 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	31.0	24.6	37.0
145	29.4	23.4	35.0

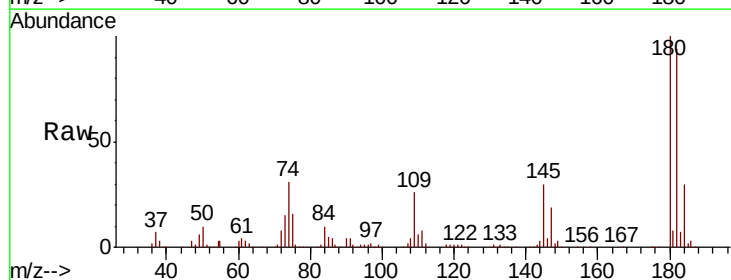


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

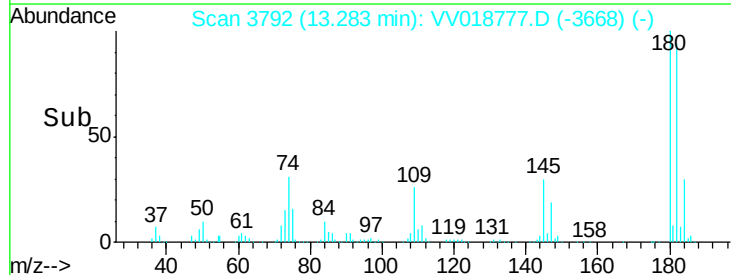
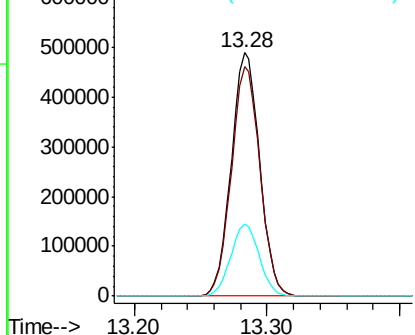


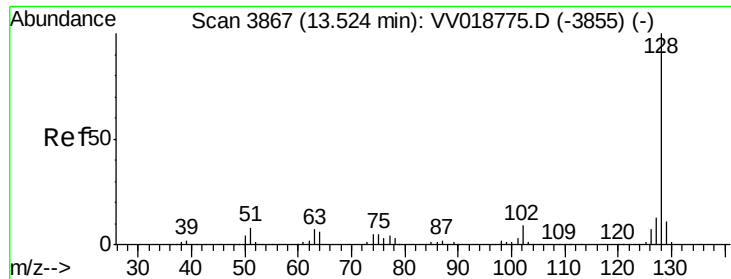
#68
 1,2,4-trichlorobenzene
 Concen: 206.645 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018777.D
 Acq: 08 Oct 2020 21:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
145	29.7	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: 231.712 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Instrument :

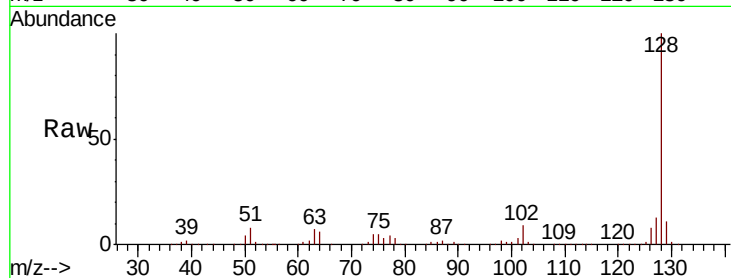
MSVOA_V

ClientSampleId :

VSTD20064

Tot Ion:128 Resp: 2331136

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

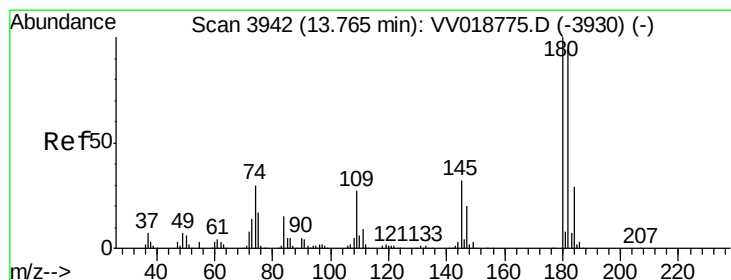
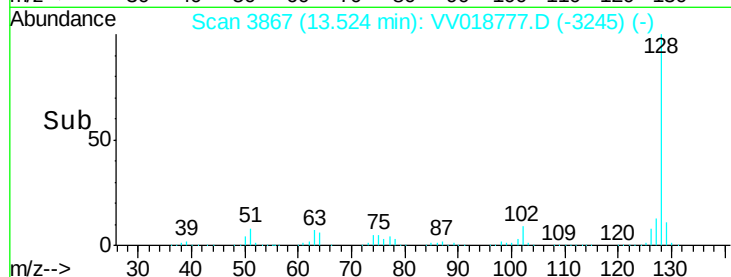
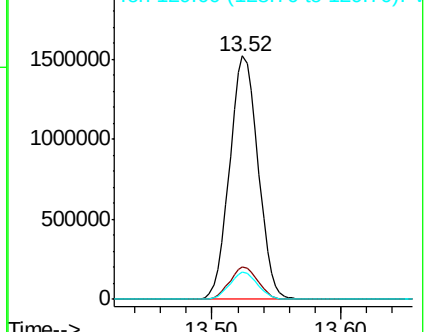


Abundance

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: 204.025 ug/L

RT: 13.77 min Scan# 3943

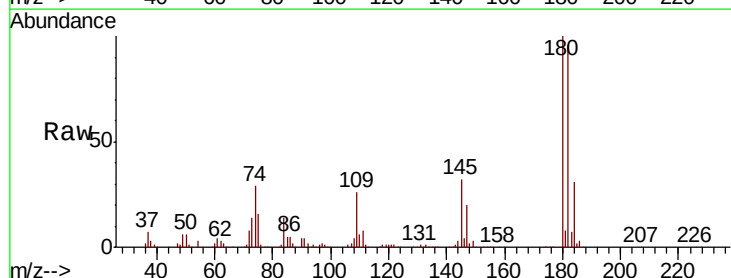
Delta R.T. 0.00 min

Lab File: VV018777.D

Acq: 08 Oct 2020 21:28

Tgt Ion:180 Resp: 723462

Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
145	31.9	25.2	37.8



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

