

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120220\
 Data File : VW017520.D
 Acq On : 02 Dec 2020 11:20
 Operator : SY/VA
 Sample : VSTD10006
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

Quant Time: Dec 02 11:56:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 02 11:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	506459	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	465520	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	231558	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	601976	123.61	ug/L	0.00
7) Chloroethane-d5	2.89	69	454162	104.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	1276970	118.37	ug/L	0.00
21) 2-Butanone-d5	7.08	46	301158	248.45	ug/L	0.00
24) Chloroform-d	7.65	84	1243318	112.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	652929	119.83	ug/L	0.00
32) Benzene-d6	8.27	84	2401698	110.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	689657	114.75	ug/L	0.00
41) Toluene-d8	10.32	98	2246033	108.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	342778	128.71	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	223283	242.02	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	555087	117.05	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	796872	107.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	368389	65.178 ug/L	91
3) Chloromethane	2.22	50	402692	81.467 ug/L	100
5) Vinyl chloride	2.37	62	536771	87.398 ug/L	98
6) Bromomethane	2.79	94	356476	74.159 ug/L	96
8) Chloroethane	2.93	64	333694	79.421 ug/L	99
9) Trichlorofluoromethane	3.27	101	583619	114.342 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	604405	88.897 ug/L	100
12) 1,1-Dichloroethene	4.05	96	590167	92.317 ug/L	89
13) Acetone	4.14	43	238066	224.423 ug/L	96
14) Carbon disulfide	4.40	76	1640969	92.074 ug/L	99
15) Methyl Acetate	4.68	43	253336	115.681 ug/L	99
16) Methylene chloride	4.92	84	581964	79.999 ug/L	96
17) trans-1,2-Dichloroethene	5.43	96	612675	89.855 ug/L	99
18) Methyl tert-butyl Ether	5.43	73	705395	96.612 ug/L	99
19) 1,1-Dichloroethane	6.22	63	1046264	97.250 ug/L	97
20) cis-1,2-Dichloroethene	7.17	96	665425	95.246 ug/L	97
23) Bromochloromethane	7.52	128	307661	93.284 ug/L	97
25) Chloroform	7.68	83	1110372	95.996 ug/L	99
27) 1,2-Dichloroethane	8.40	62	715609	102.617 ug/L	99
29) Cyclohexane	7.96	56	947296	98.503 ug/L	99
30) 1,1,1-Trichloroethane	7.88	97	935144	95.427 ug/L	99
31) Carbon tetrachloride	8.07	117	931656	97.656 ug/L	99
33) Benzene	8.32	78	2338359	93.290 ug/L	100
34) Trichloroethene	9.09	95	653100	92.204 ug/L	96
35) Methylcyclohexane	9.34	83	1084144	92.649 ug/L	99
37) 1,2-Dichloropropane	9.37	63	573558	98.835 ug/L	100
38) Bromodichloromethane	9.65	83	823942	101.504 ug/L	96
39) cis-1,3-Dichloropropene	10.07	75	977039	106.862 ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	678407	226.371 ug/L	98
42) Toluene	10.39	91	2595857	93.905 ug/L	98

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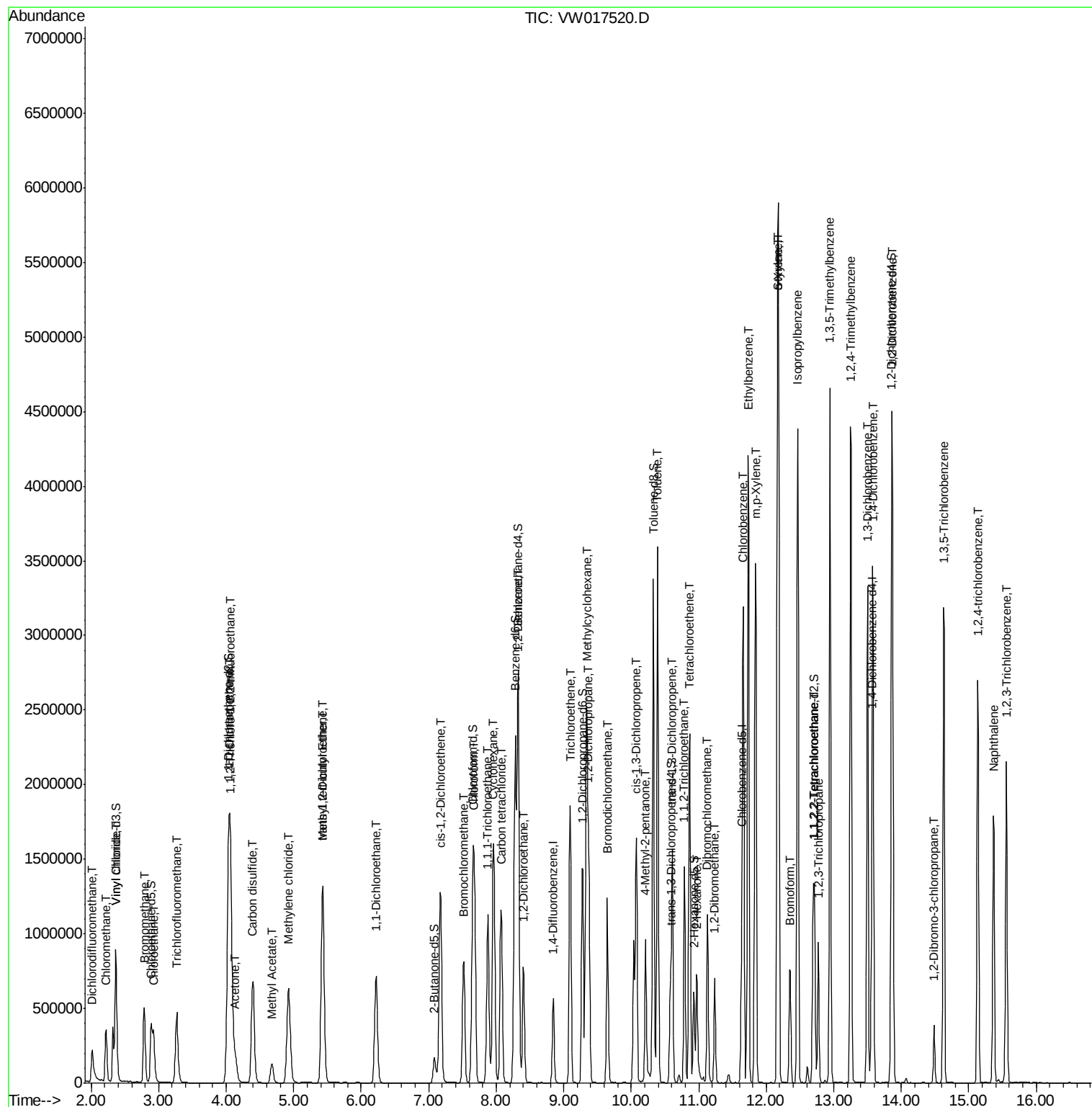
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.61	75	873578	111.122	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	459232	97.923	ug/L	98
46) Tetrachloroethene	10.87	164	545582	85.641	ug/L	99
48) 2-Hexanone	10.97	43	489635	240.762	ug/L	98
49) Dibromochloromethane	11.13	129	598938	103.540	ug/L	96
50) 1,2-Dibromoethane	11.24	107	463797	102.995	ug/L	92
51) Chlorobenzene	11.66	112	1694428	91.654	ug/L	98
52) Ethylbenzene	11.73	91	2959608	94.878	ug/L	100
53) m,p-Xylene	11.84	106	1143646	94.741	ug/L	91
54) o-Xylene	12.17	106	1080287	94.432	ug/L	95
55) Styrene	12.18	104	1859537	97.321	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	533216	103.502	ug/L	97
59) Bromoform	12.35	173	360472	108.088	ug/L	99
60) Isopropylbenzene	12.47	105	2970204	97.506	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	389074	104.730	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	2509621	99.628	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	2470371	103.209	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	1376450	93.727	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	1342444	91.947	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	1218713	95.150	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.49	75	91554	115.937	ug/L	92
69) 1,3,5-Trichlorobenzene	14.63	180	1011914	93.810	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	869402	100.093	ug/L	100
71) Naphthalene	15.36	128	1554869	109.323	ug/L	100
72) 1,2,3-Trichlorobenzene	15.56	180	754898	101.455	ug/L	97

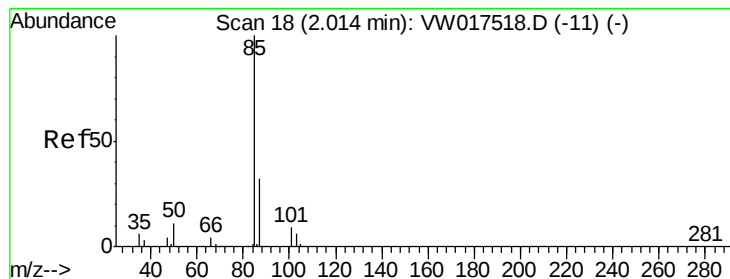
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 65.178 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

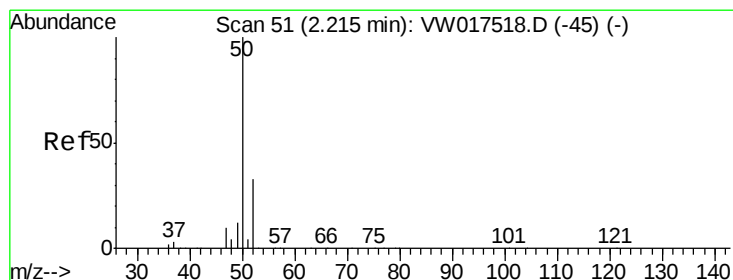
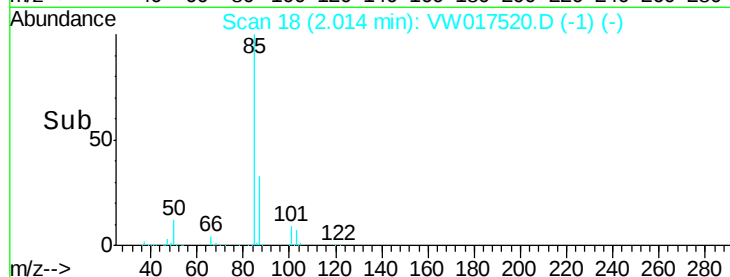
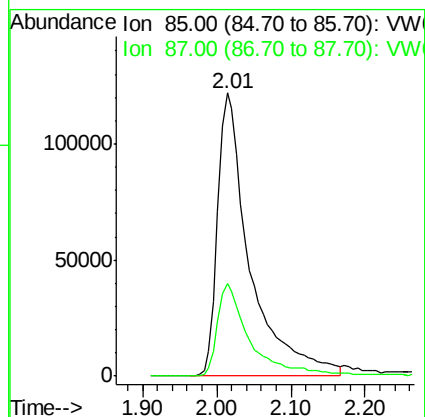
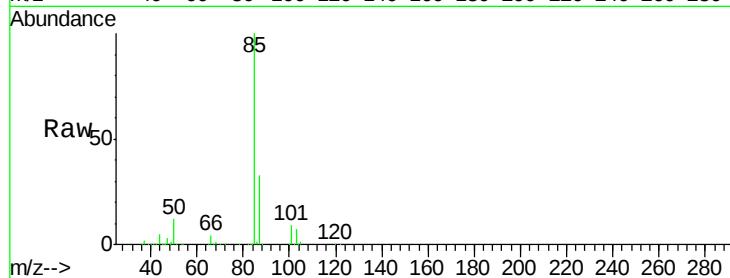
VSTD100106

Tgt Ion: 85 Resp: 368389

Ion Ratio Lower Upper

85 100

87 30.4 28.5 42.7



#3

Chloromethane

Concen: 81.467 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017520.D

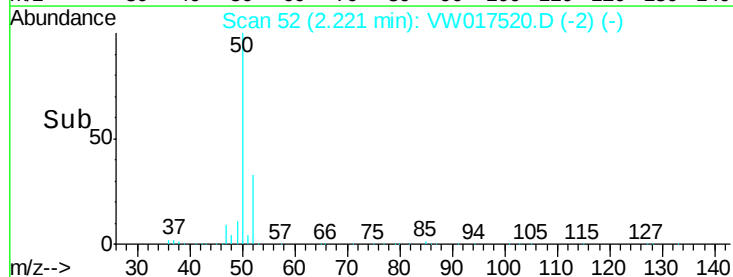
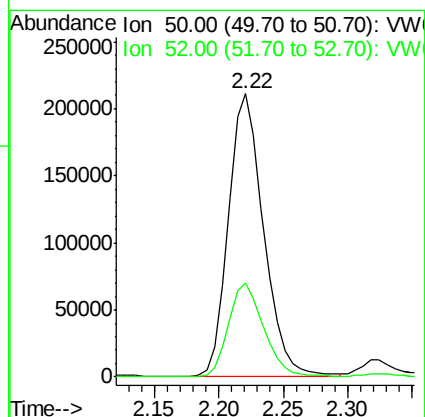
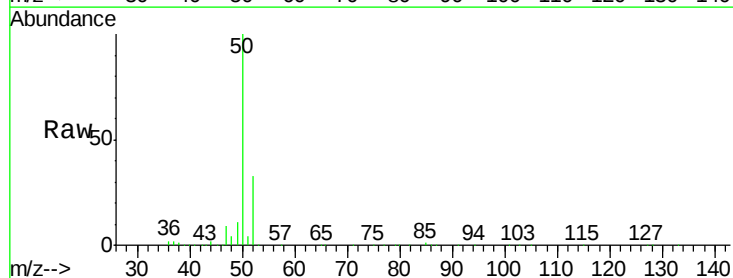
Acq: 02 Dec 2020 11:20

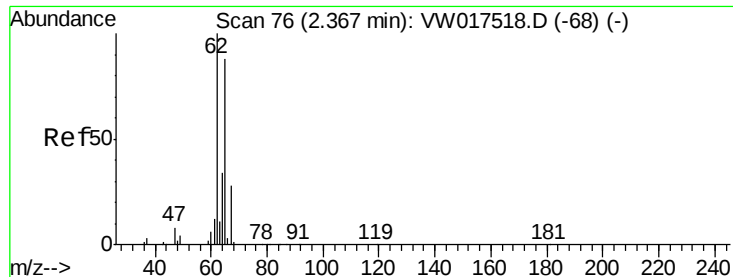
Tgt Ion: 50 Resp: 402692

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2





#5

Vinyl chloride

Concen: 87.398 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

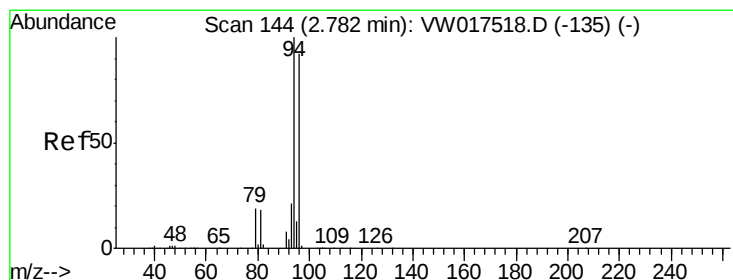
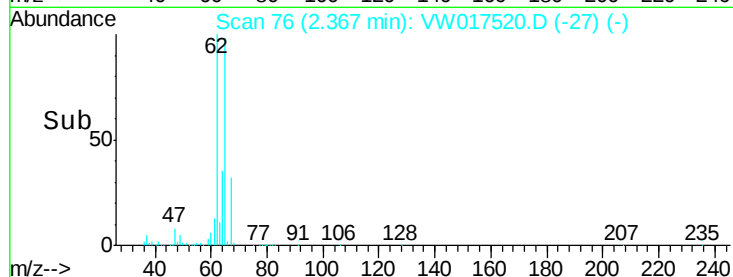
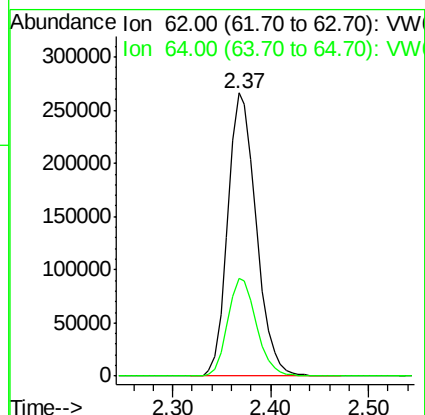
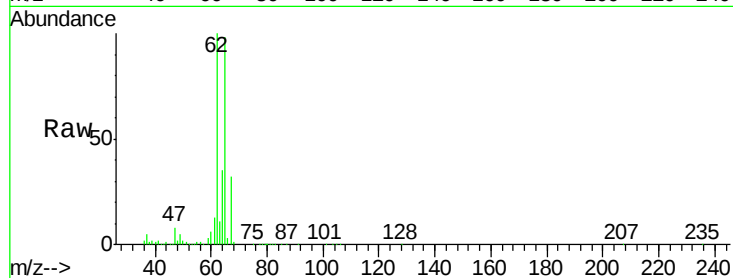
VSTD100106

Tgt Ion: 62 Resp: 536771

Ion Ratio Lower Upper

62 100

64 34.7 23.7 43.9



#6

Bromomethane

Concen: 74.159 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017520.D

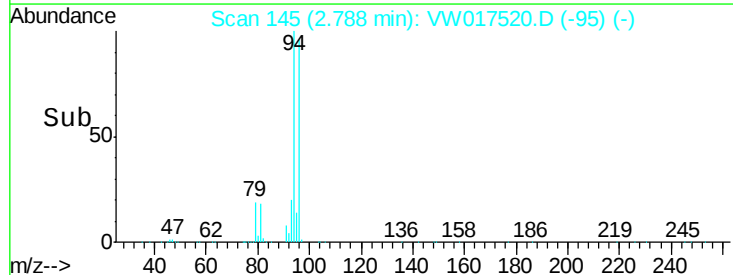
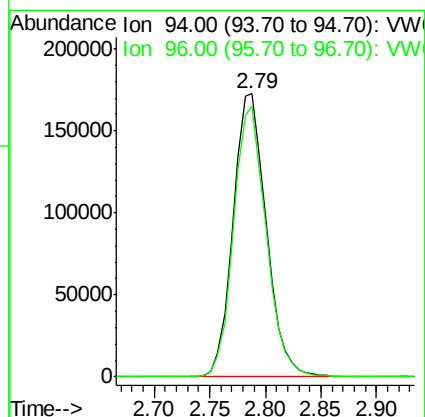
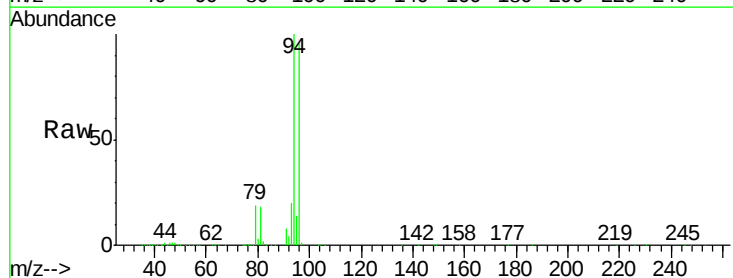
Acq: 02 Dec 2020 11:20

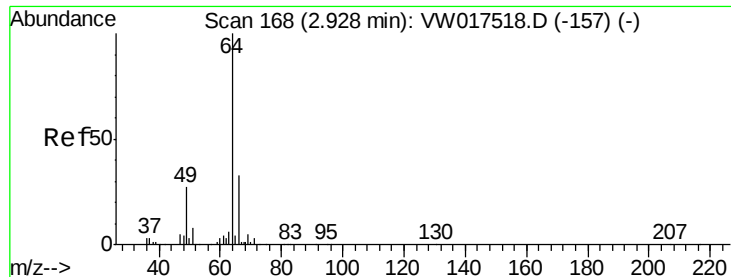
Tgt Ion: 94 Resp: 356476

Ion Ratio Lower Upper

94 100

96 95.6 64.2 119.2

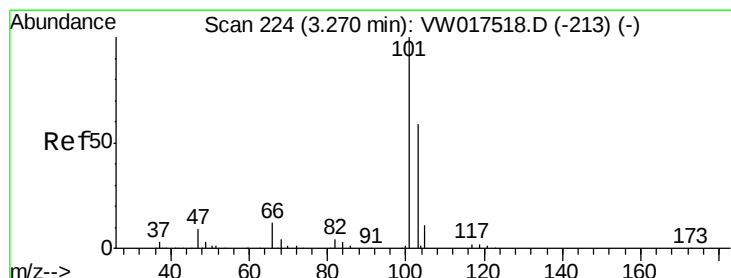
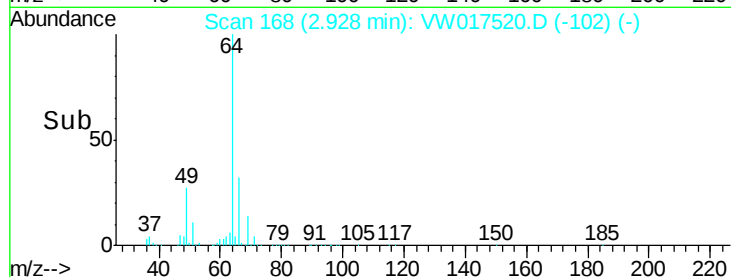
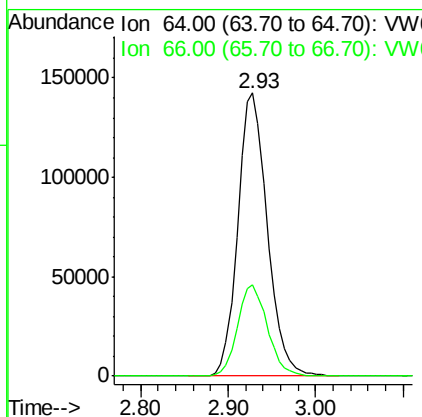
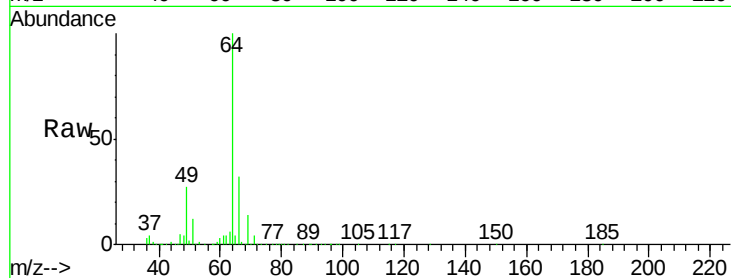




#8
Chloroethane
Concen: 79.421 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

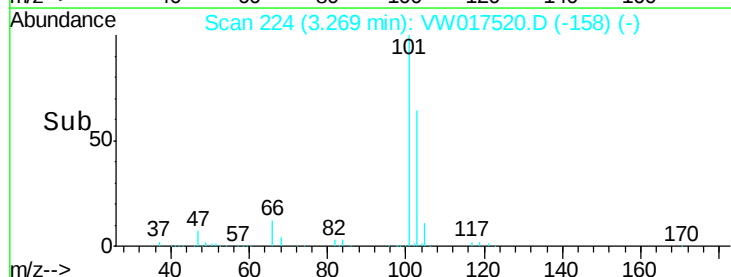
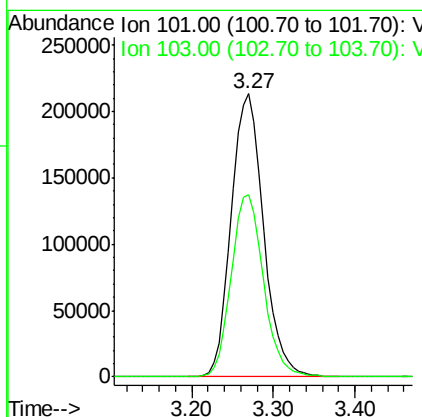
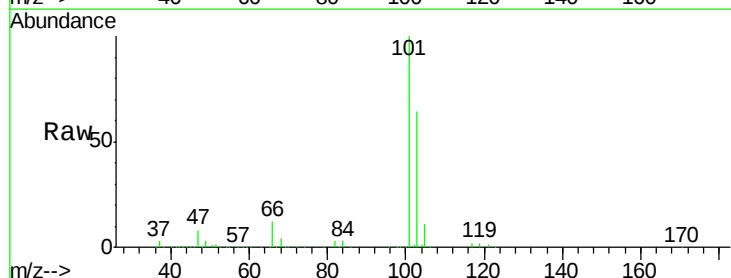
Instrument :
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VSTD100106

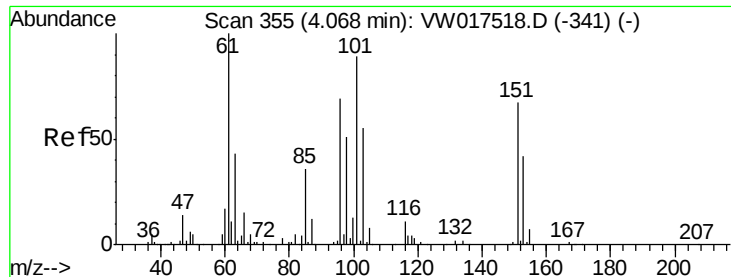
Tgt Ion: 64 Resp: 333694
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 114.342 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

Tgt Ion: 101 Resp: 583619
Ion Ratio Lower Upper
101 100
103 64.2 50.6 75.8





#10

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

Concen: 88.897 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

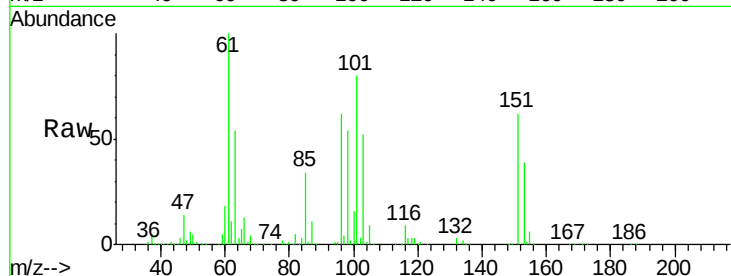
Tgt Ion: 101 Resp: 604405

Ion Ratio Lower Upper

101 100

85 42.6 34.0 51.0

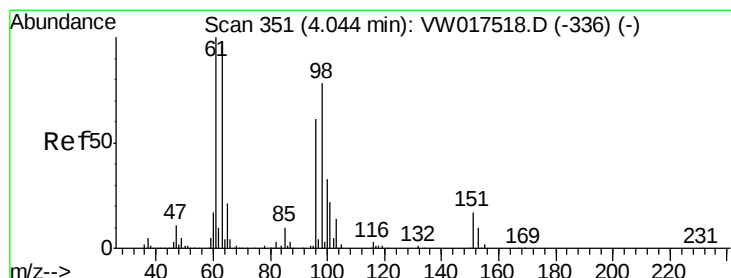
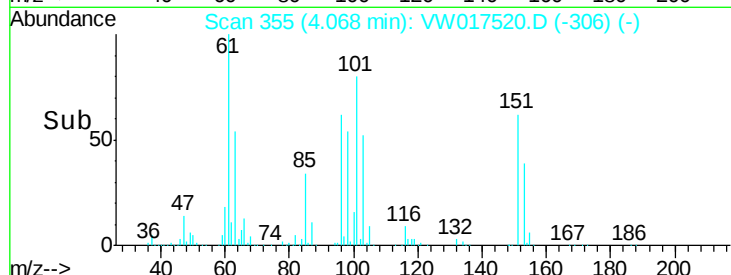
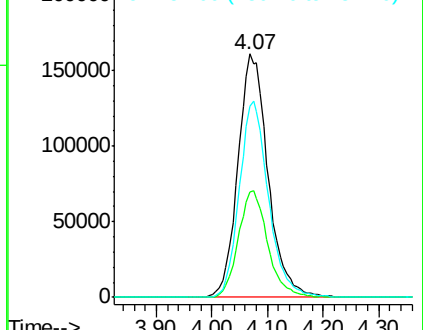
151 78.2 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 92.317 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

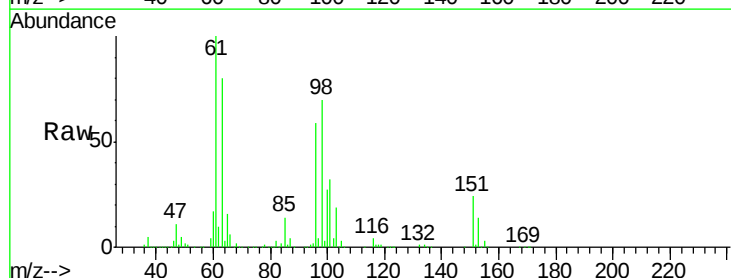
Tgt Ion: 96 Resp: 590167

Ion Ratio Lower Upper

96 100

61 170.1 115.0 213.6

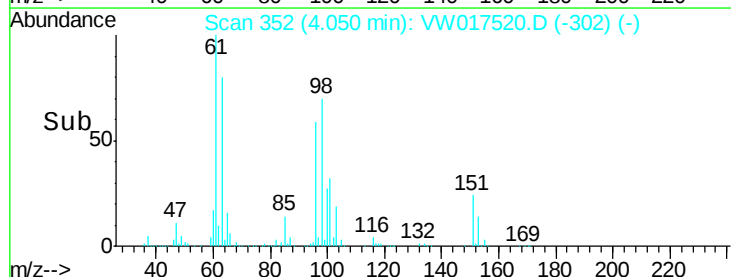
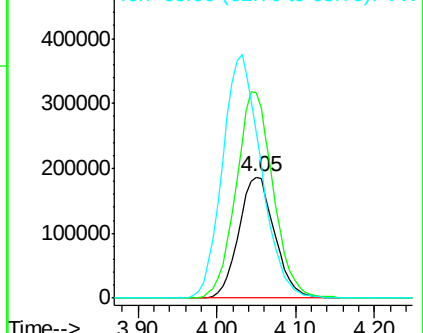
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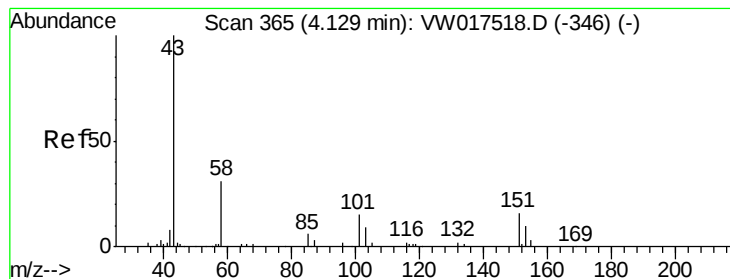


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 224.423 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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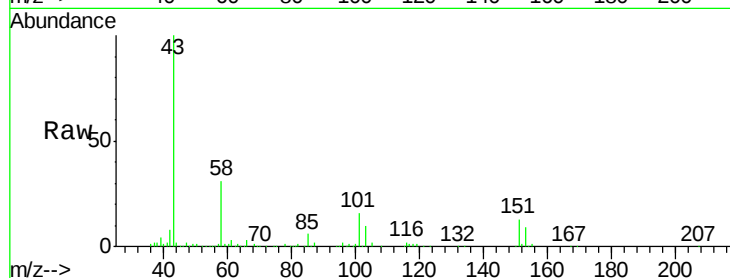
VSTD100106

Tgt Ion: 43 Resp: 238066

Ion Ratio Lower Upper

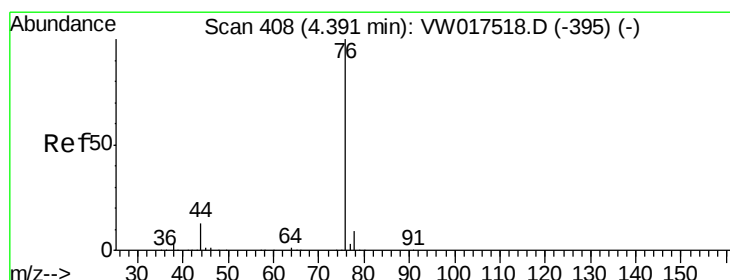
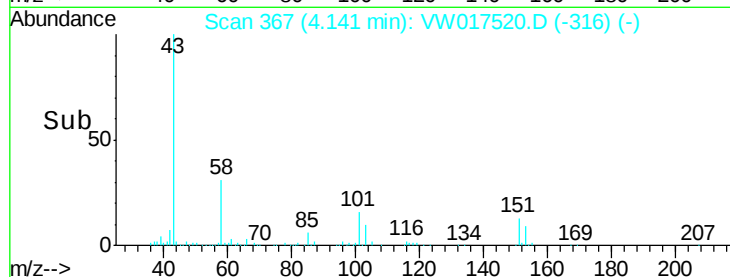
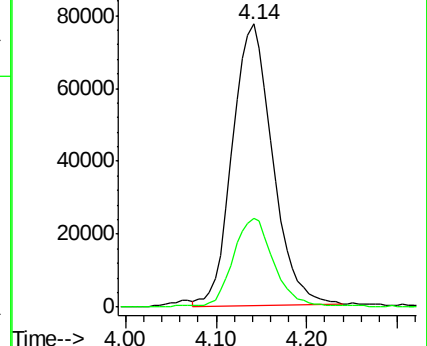
43 100

58 31.7 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 92.074 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017520.D

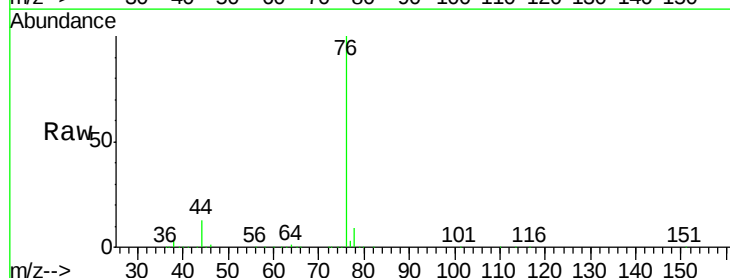
Acq: 02 Dec 2020 11:20

Tgt Ion: 76 Resp: 1640969

Ion Ratio Lower Upper

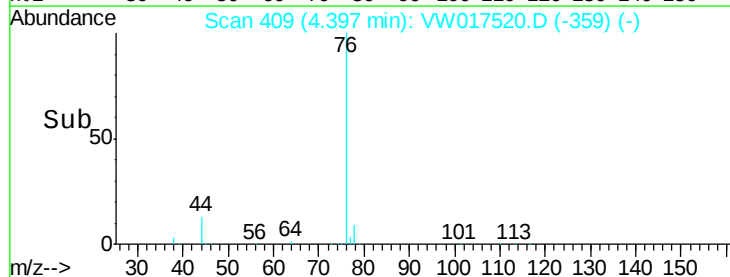
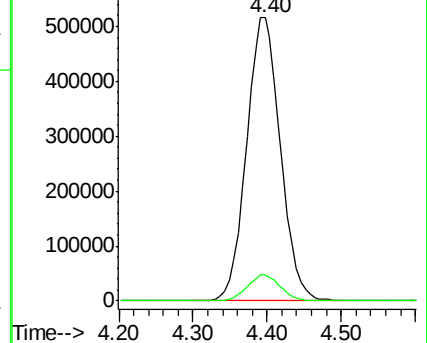
76 100

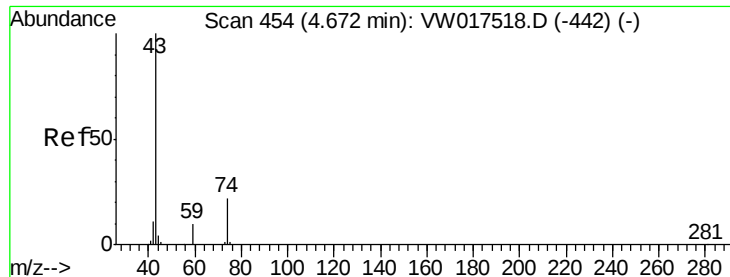
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

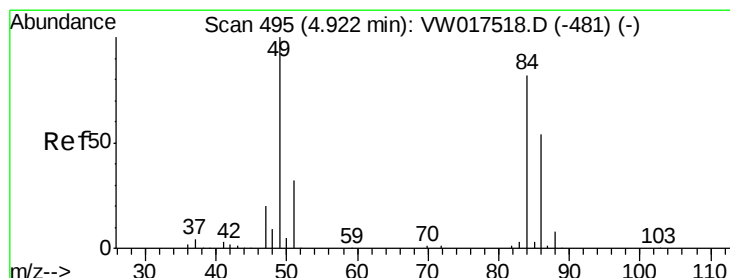
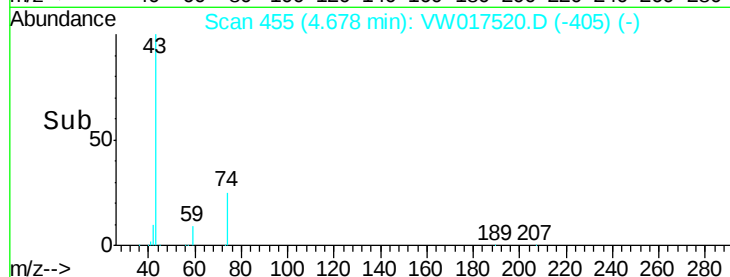
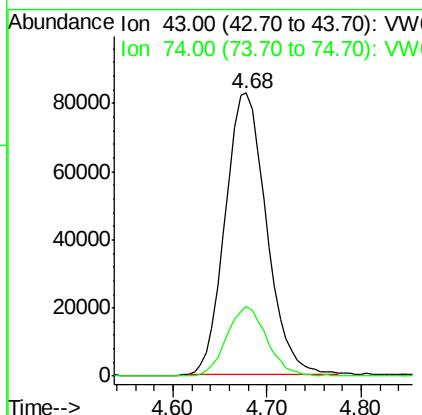
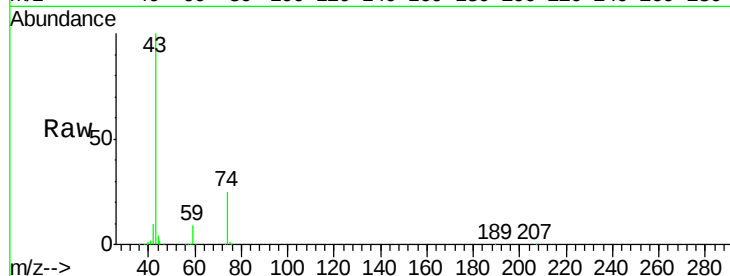




#15
Methyl Acetate
Concen: 115.681 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

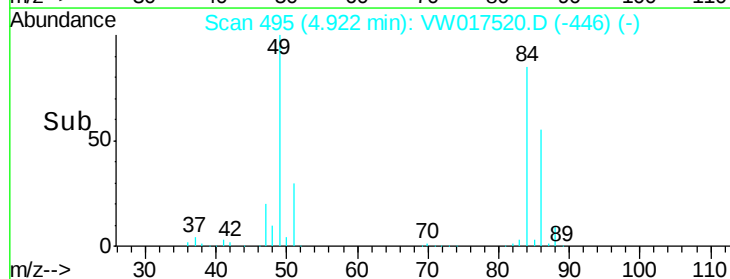
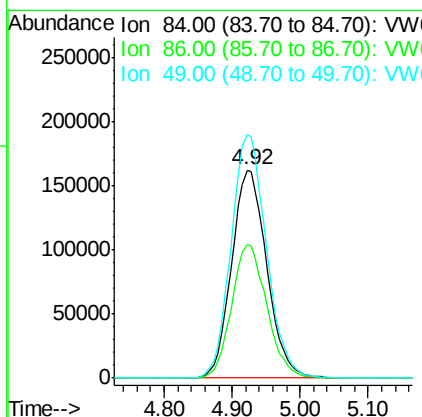
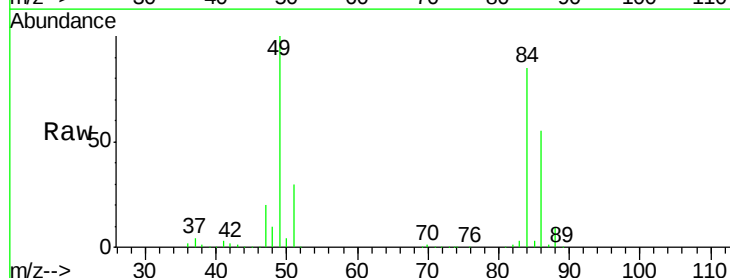
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

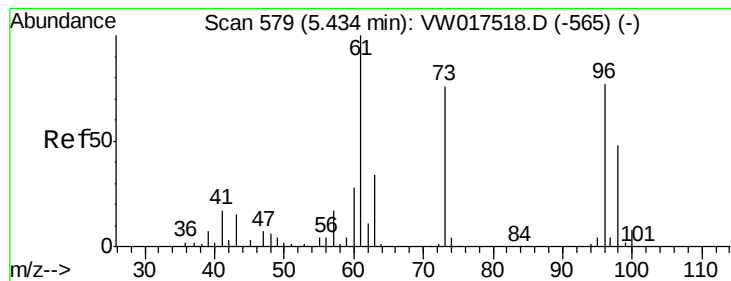
Tgt Ion: 43 Resp: 253336
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4



#16
Methylene chloride
Concen: 79.999 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

Tgt Ion: 84 Resp: 581964
Ion Ratio Lower Upper
84 100
86 63.9 46.2 85.8
49 117.0 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 89.855 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

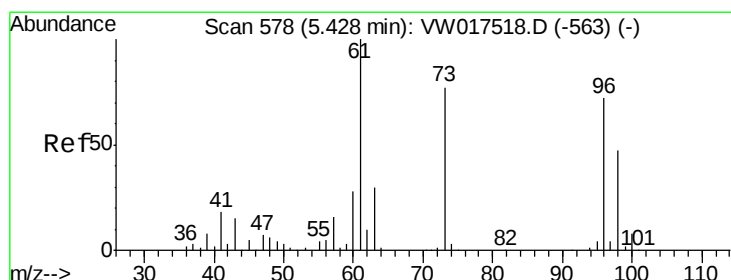
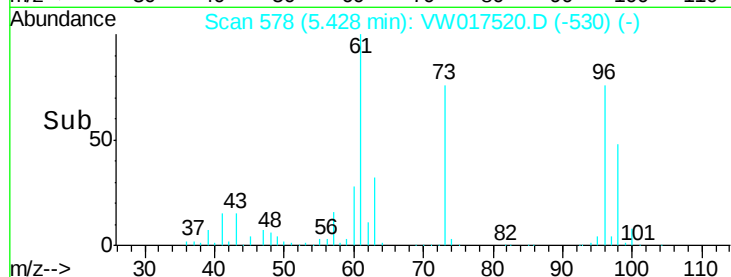
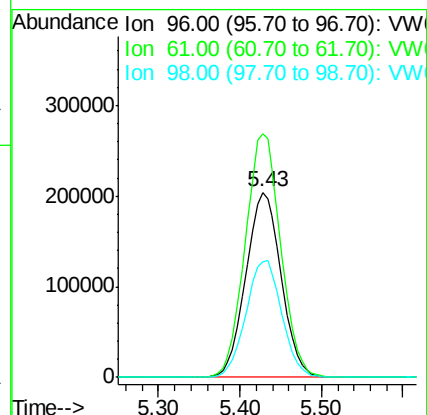
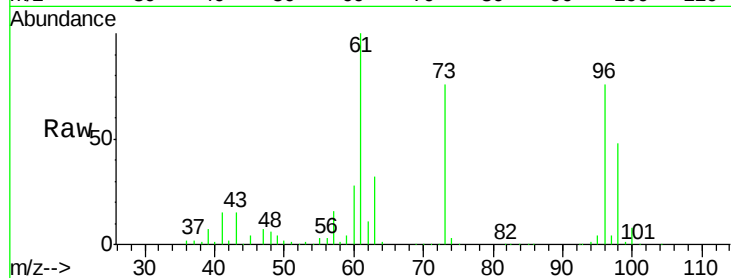
Tgt Ion: 96 Resp: 612675

Ion Ratio Lower Upper

96 100

61 131.6 91.4 169.8

98 62.7 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 96.612 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

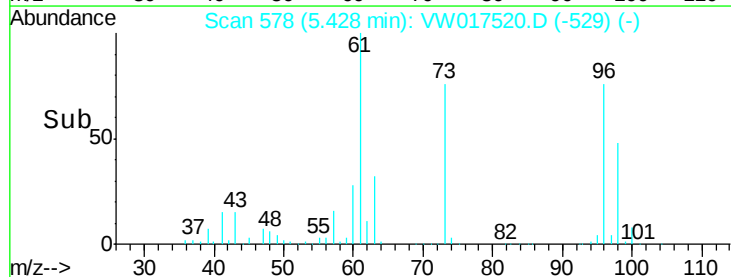
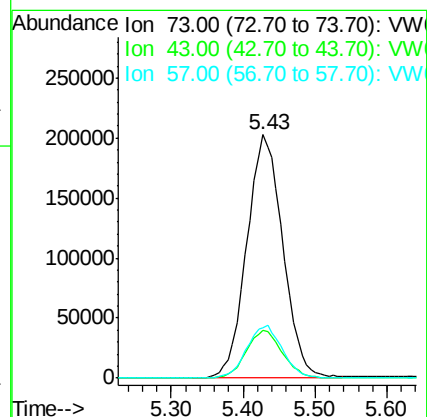
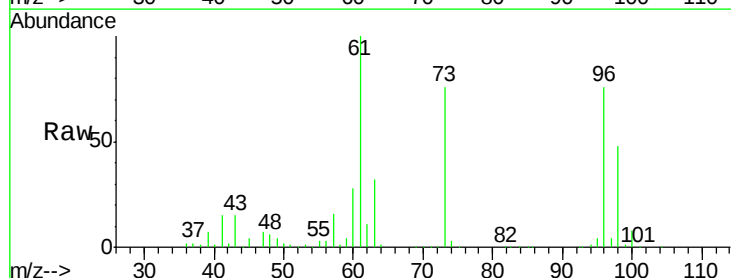
Tgt Ion: 73 Resp: 705395

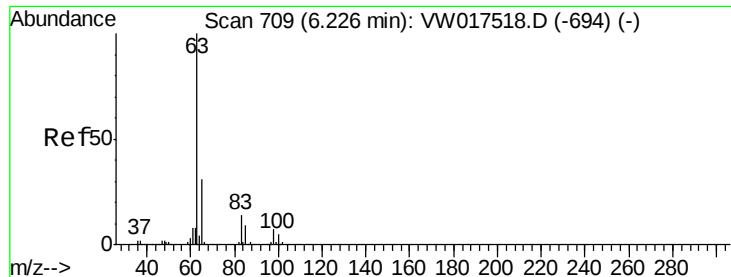
Ion Ratio Lower Upper

73 100

43 19.6 16.0 24.0

57 21.3 17.4 26.0

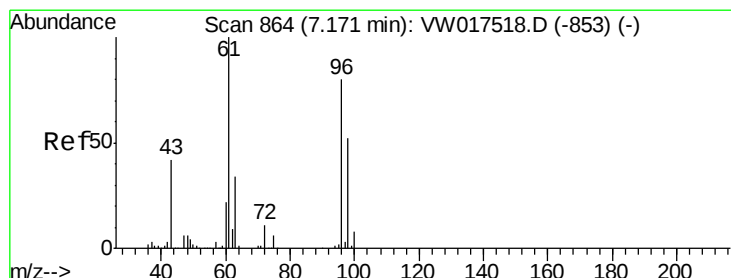
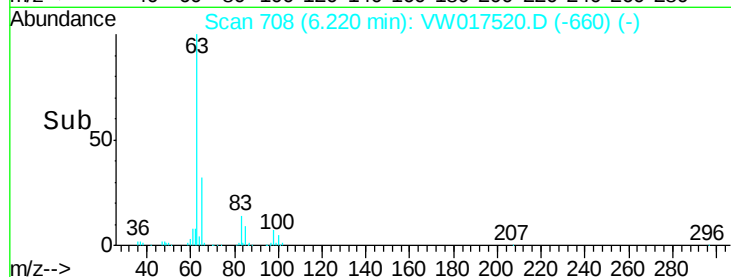
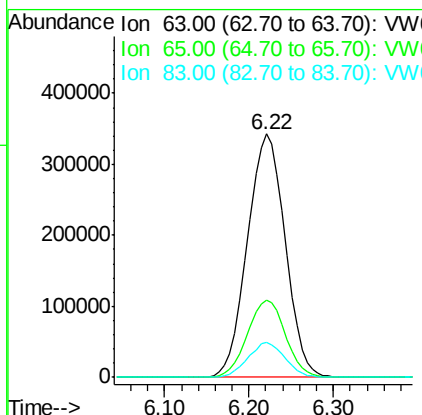
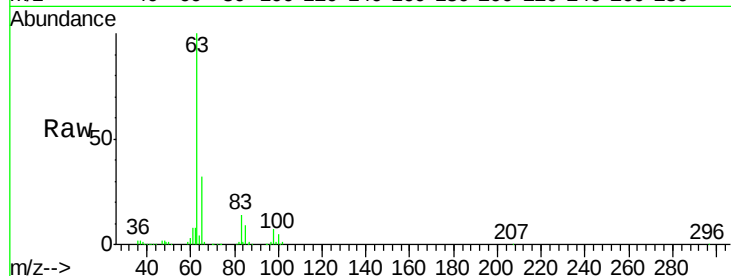




#19
 1,1-Dichloroethane
 Concen: 97.250 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

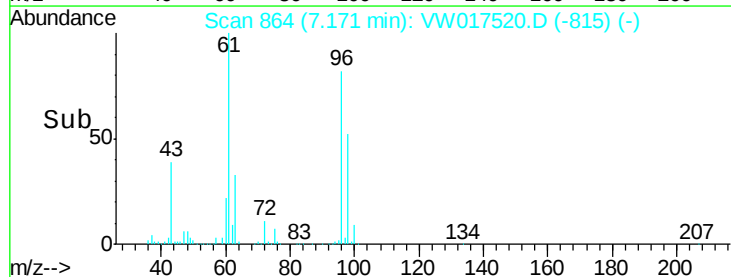
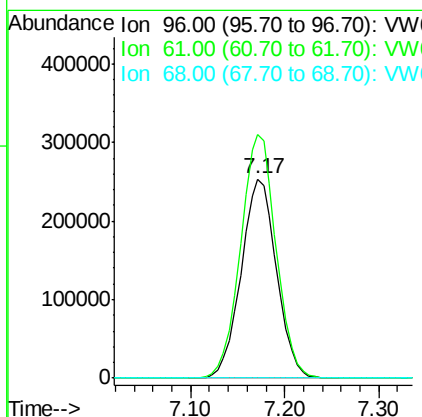
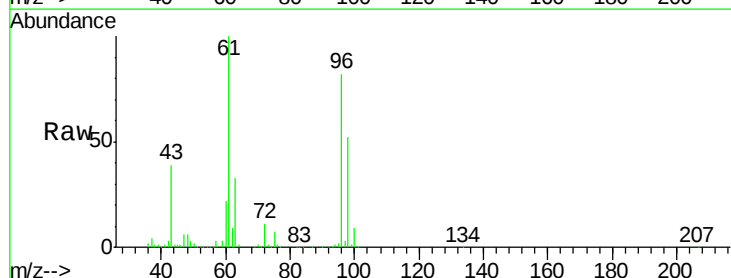
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

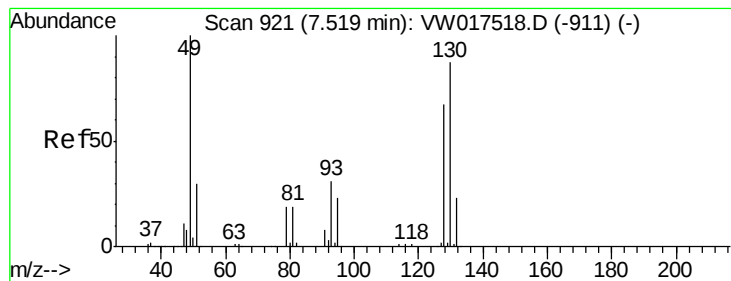
Tgt Ion: 63 Resp: 1046264
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.3 39.6
 83 14.4 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 95.246 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

Tgt Ion: 96 Resp: 665425
 Ion Ratio Lower Upper
 96 100
 61 122.4 88.0 163.4
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 93.284 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

Tgt Ion:128 Resp: 307661

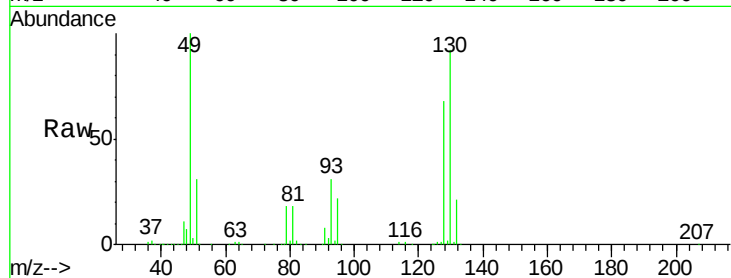
Ion Ratio Lower Upper

128 100

49 146.8 104.7 194.4

130 135.5 90.8 168.6

51 45.9 36.3 54.5

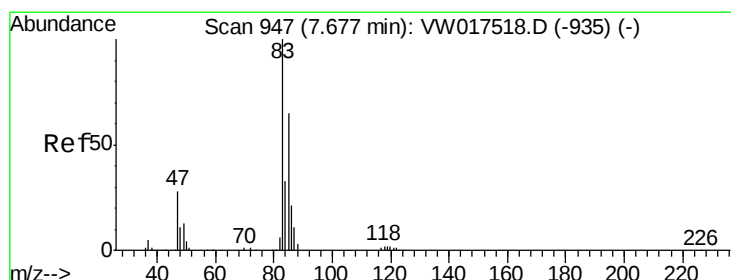
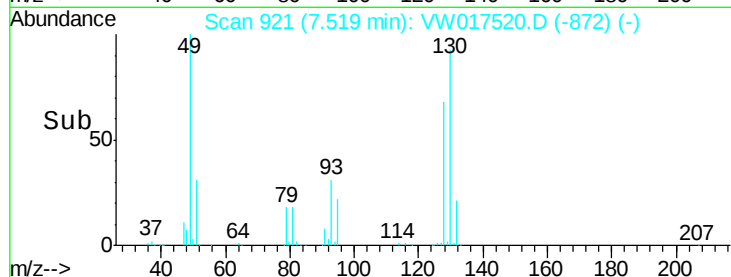
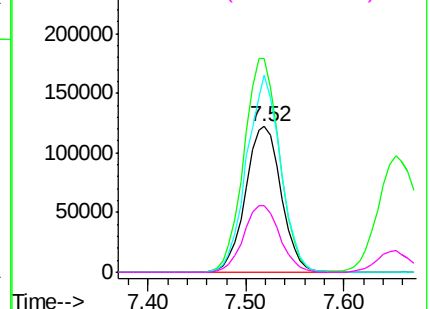


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 95.996 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017520.D

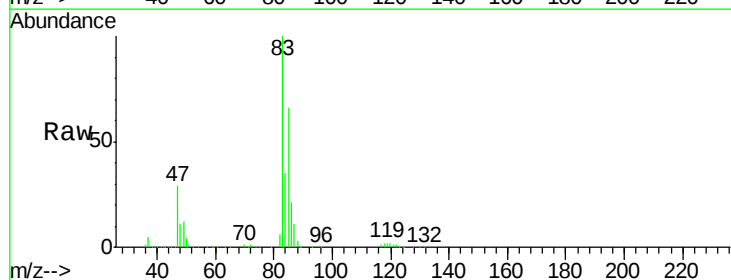
Acq: 02 Dec 2020 11:20

Tgt Ion: 83 Resp: 1110372

Ion Ratio Lower Upper

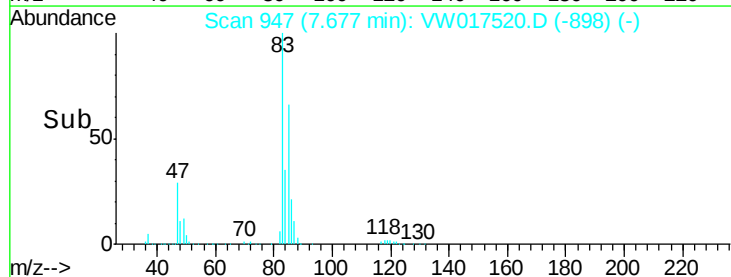
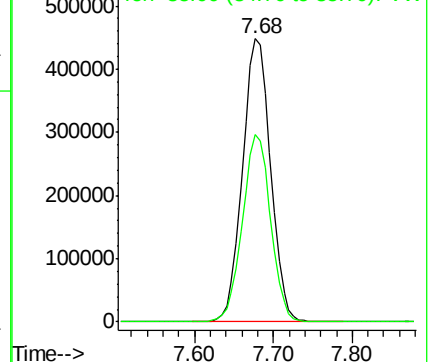
83 100

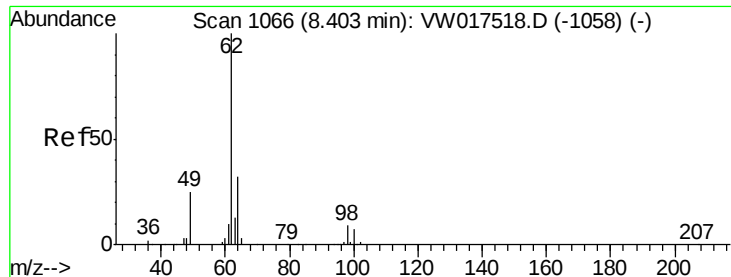
85 66.2 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 102.617 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

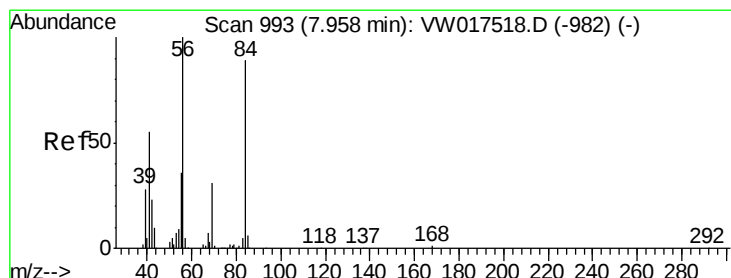
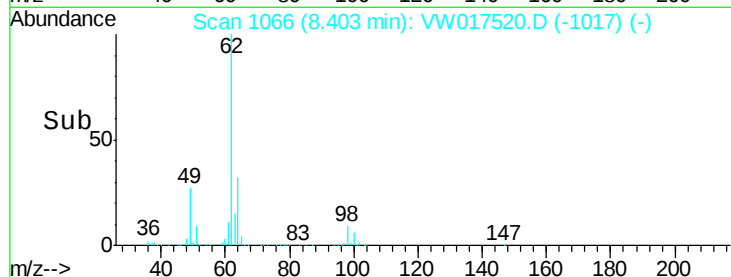
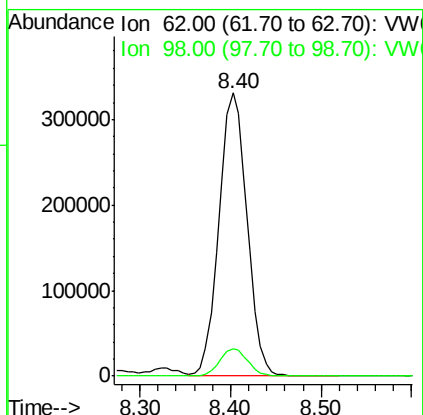
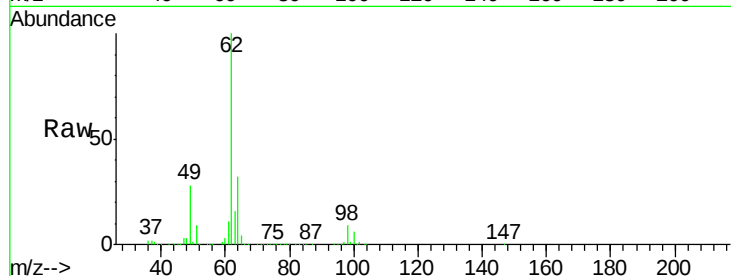
VSTD100106

Tgt Ion: 62 Resp: 715609

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.2



#29

Cyclohexane

Concen: 98.503 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

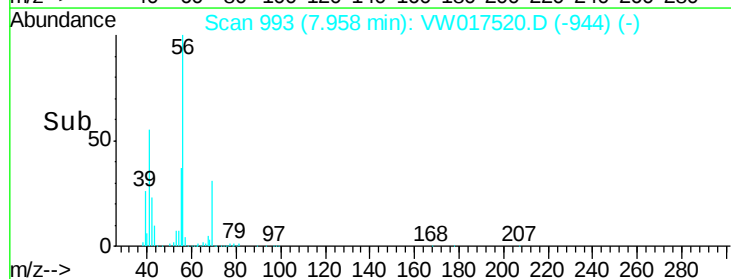
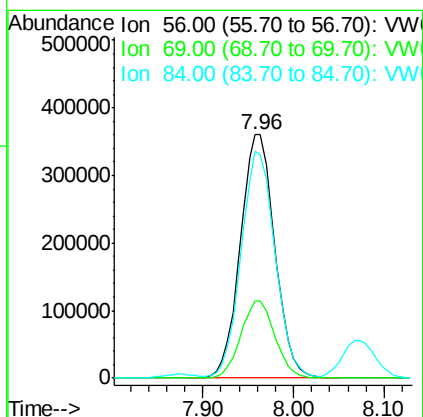
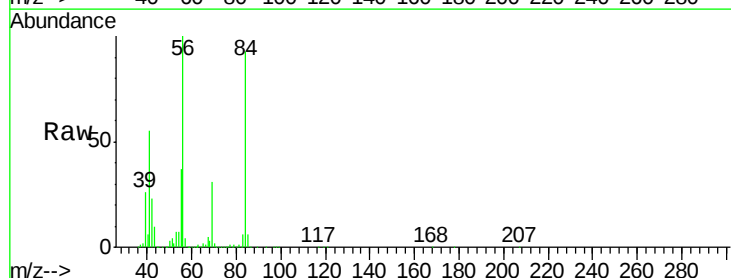
Tgt Ion: 56 Resp: 947296

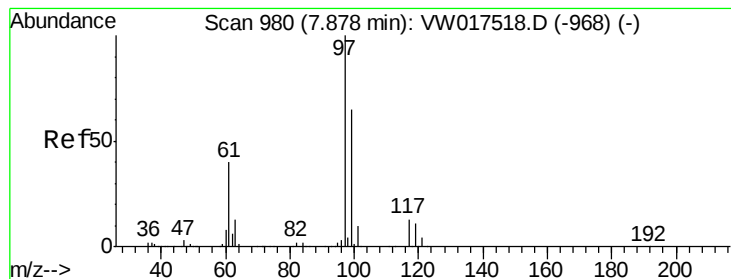
Ion Ratio Lower Upper

56 100

69 31.5 24.8 37.2

84 92.2 73.3 109.9





#30

1,1,1-Trichloroethane

Concen: 95.427 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

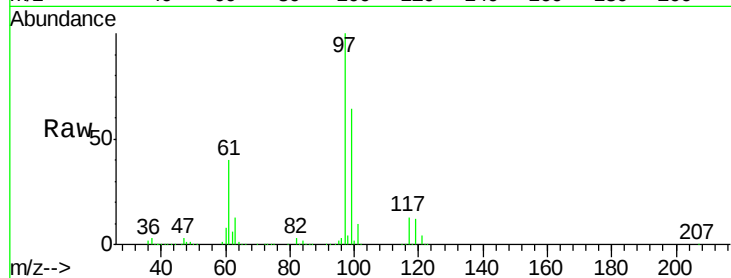
Tgt Ion: 97 Resp: 935144

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

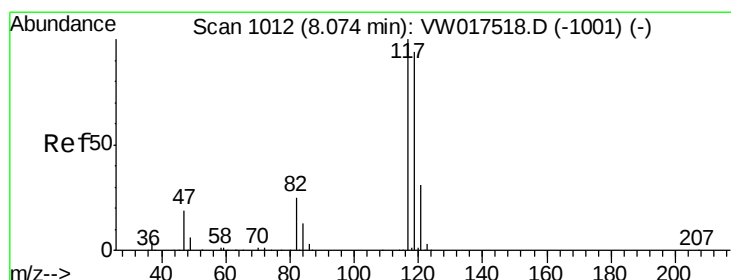
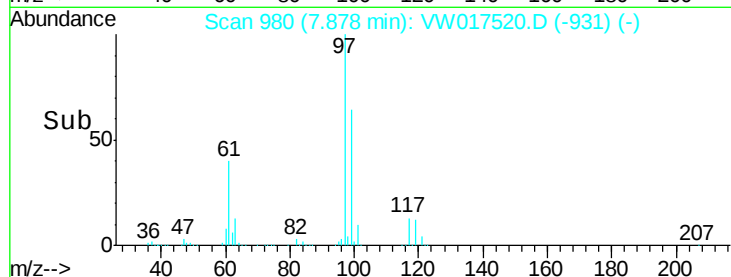
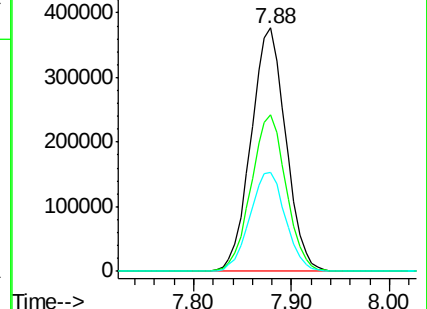
61 41.7 33.7 50.5



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.05 (60.75 to 61.75): VW



#31

Carbon tetrachloride

Concen: 97.656 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017520.D

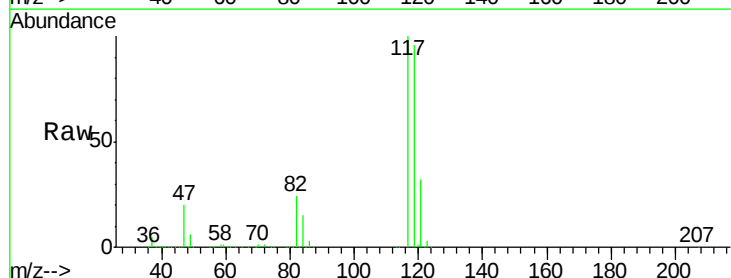
Acq: 02 Dec 2020 11:20

Tgt Ion: 117 Resp: 931656

Ion Ratio Lower Upper

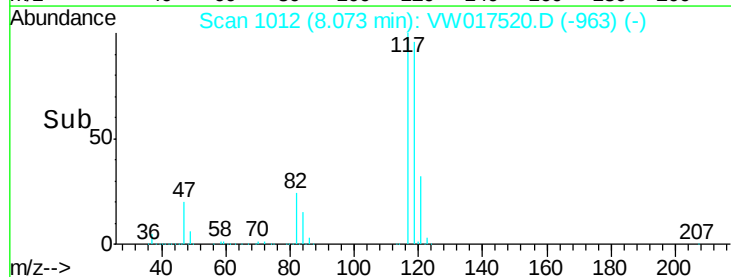
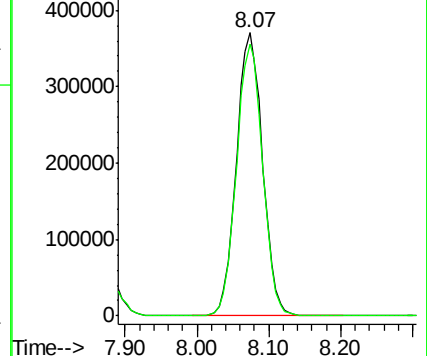
117 100

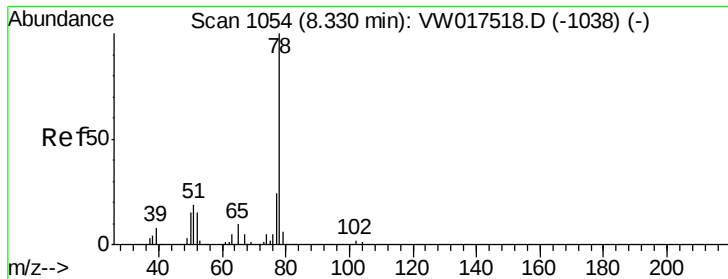
119 96.5 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 93.290 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

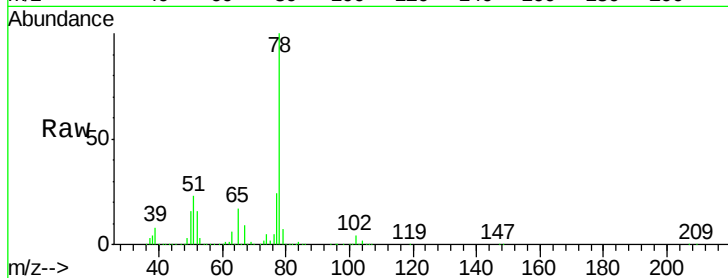
Instrument :

MSVOA_W

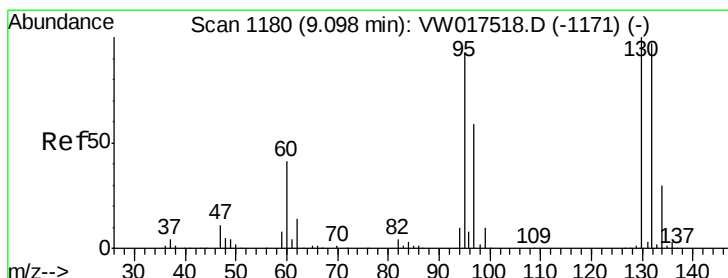
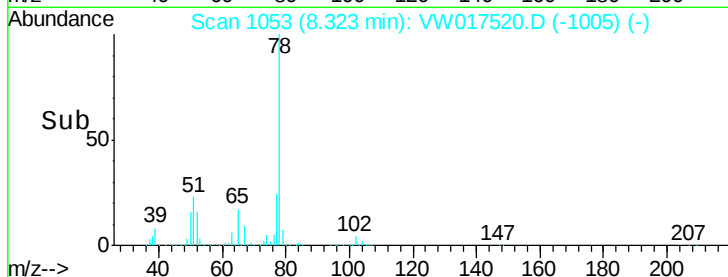
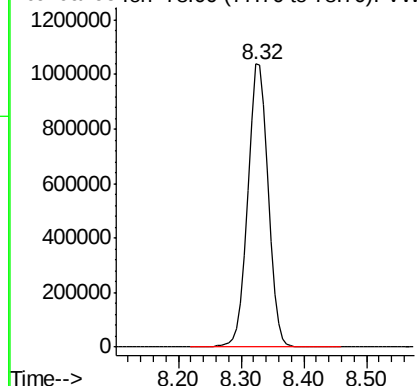
ClientSampleId :

VSTD100106

Tgt Ion: 78 Resp: 2338359



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 92.204 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Tgt Ion: 95 Resp: 653100

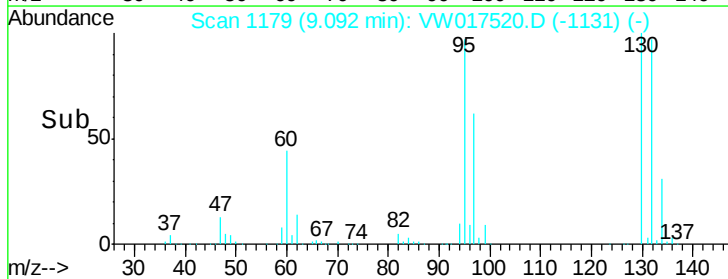
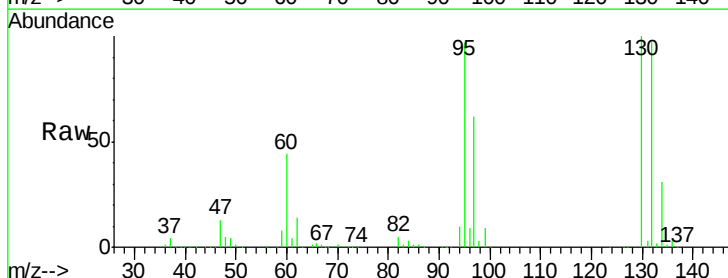
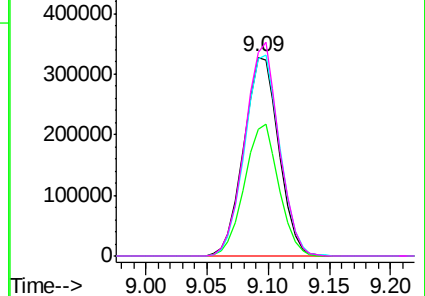
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.4	82.4
132	99.2	72.7	135.1
130	102.6	75.4	140.0

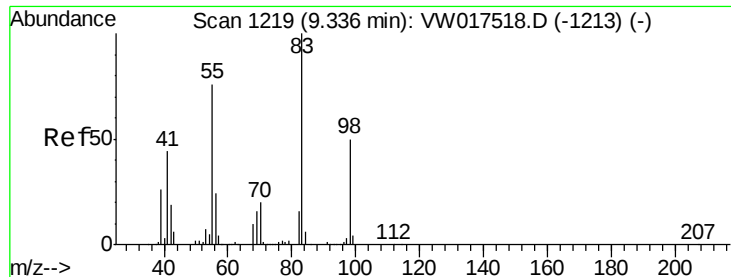
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

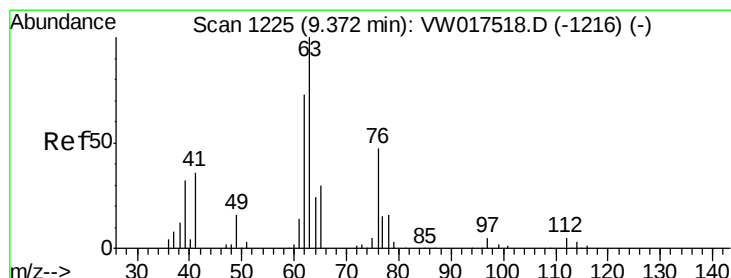
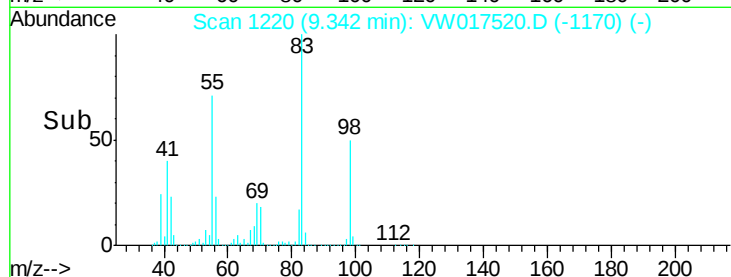
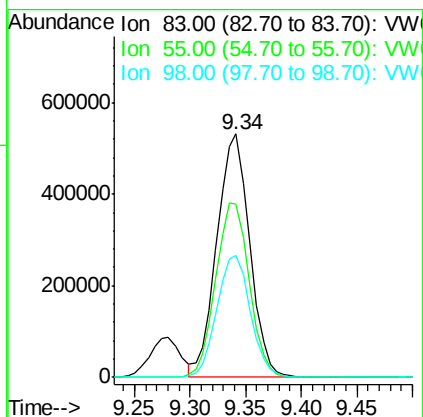
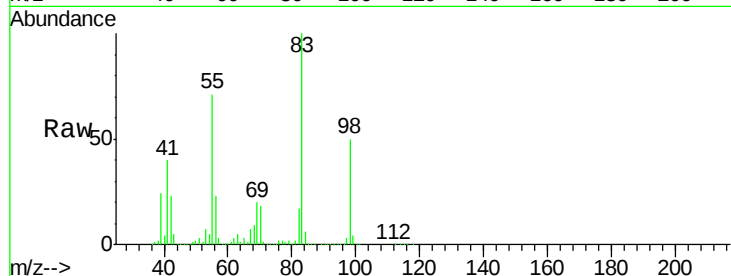




#35
Methylcyclohexane
Concen: 92.649 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

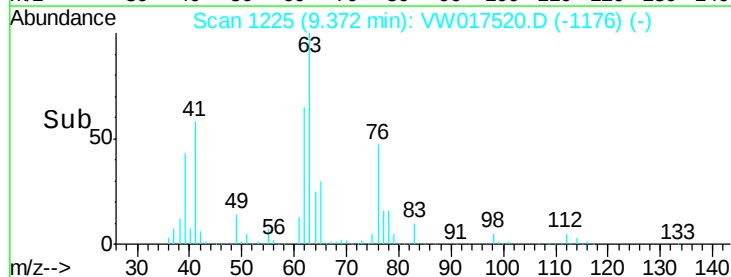
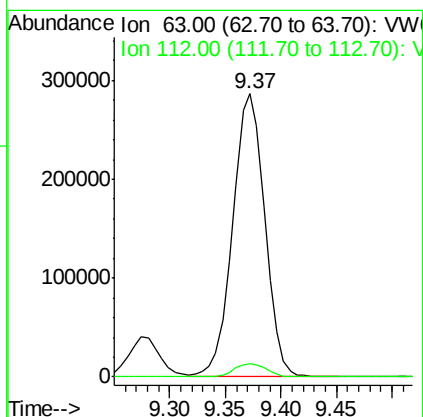
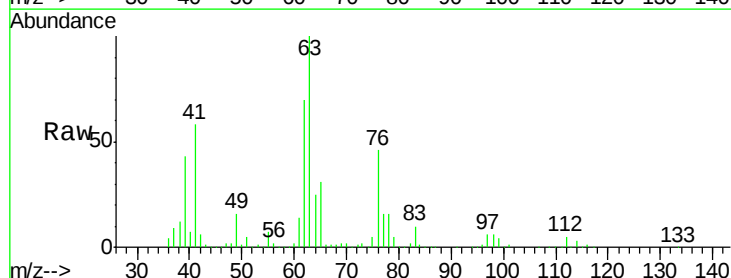
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

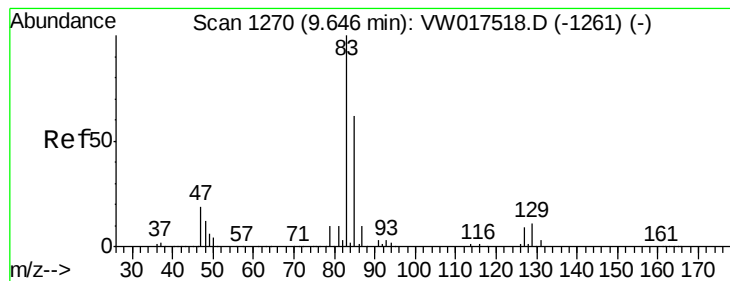
Tgt Ion: 83 Resp: 1084144
Ion Ratio Lower Upper
83 100
55 73.3 58.2 87.2
98 51.3 39.9 59.9



#37
1,2-Dichloropropane
Concen: 98.835 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

Tgt Ion: 63 Resp: 573558
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.8





#38

Bromodichloromethane

Concen: 101.504 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

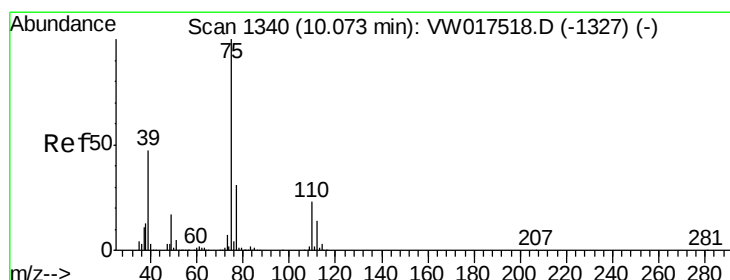
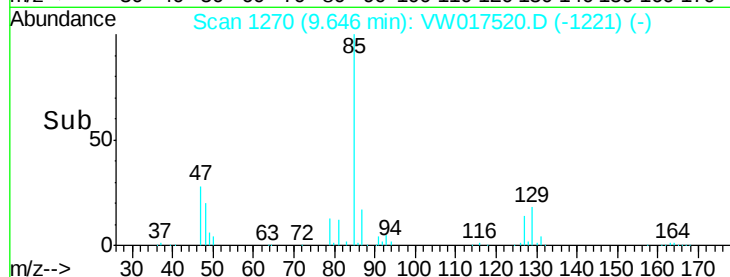
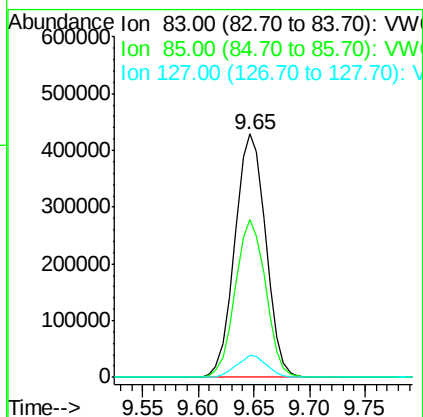
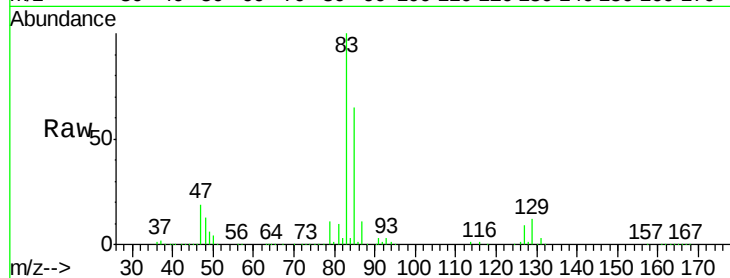
Tgt Ion: 83 Resp: 823942

Ion Ratio Lower Upper

83 100

85 65.0 43.3 80.5

127 9.2 7.2 10.8



#39

cis-1,3-Dichloropropene

Concen: 106.862 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017520.D

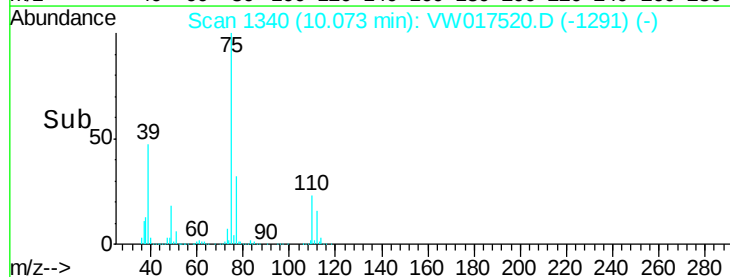
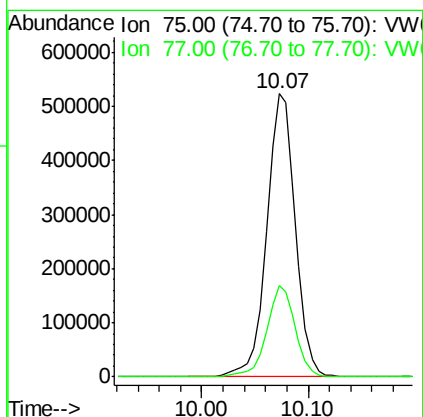
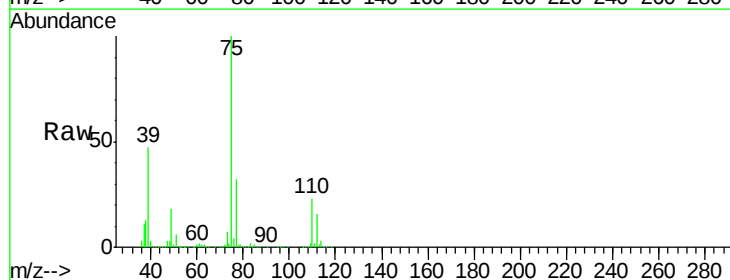
Acq: 02 Dec 2020 11:20

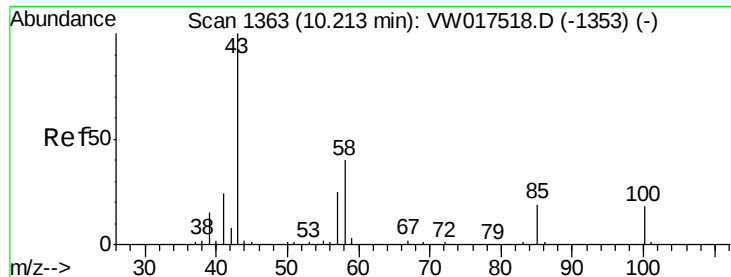
Tgt Ion: 75 Resp: 977039

Ion Ratio Lower Upper

75 100

77 32.3 21.5 39.9

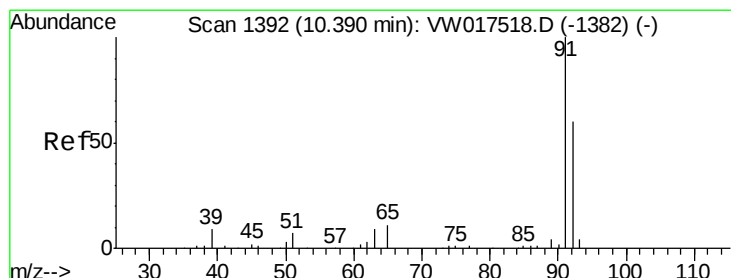
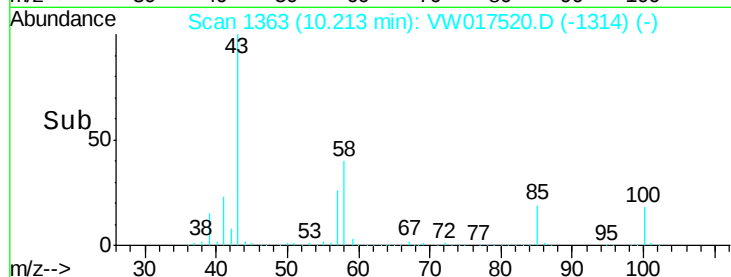
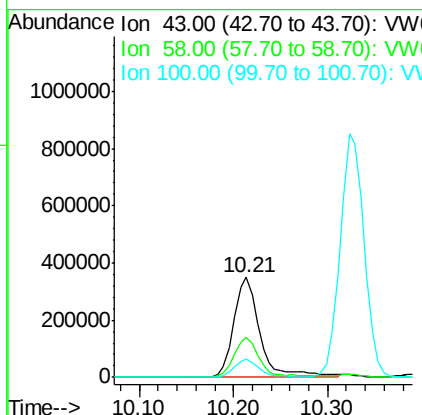
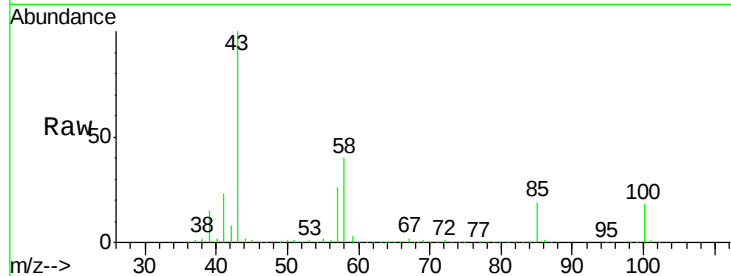




#40
4-Methyl-2-pentanone
Concen: 226.371 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

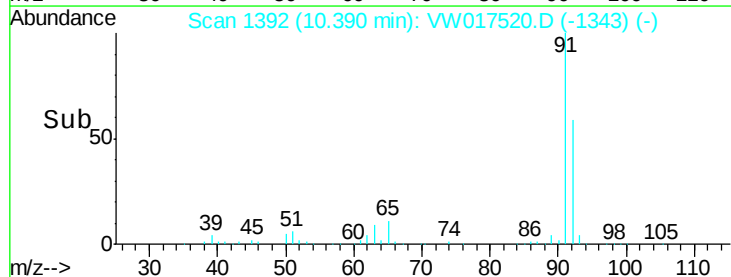
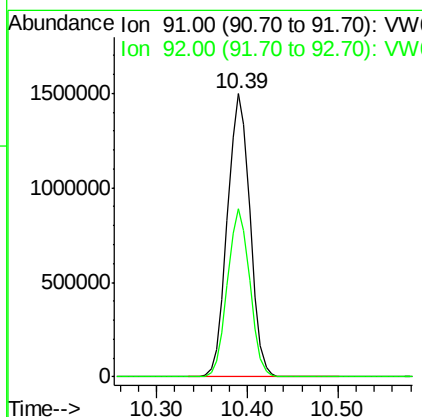
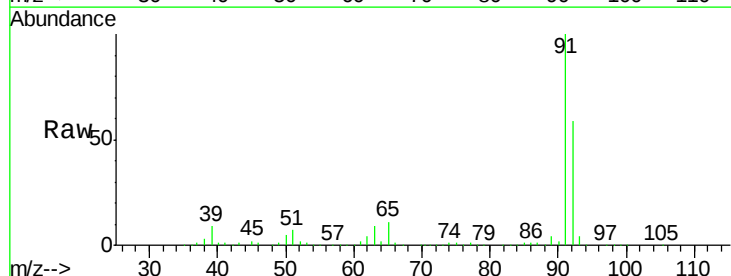
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

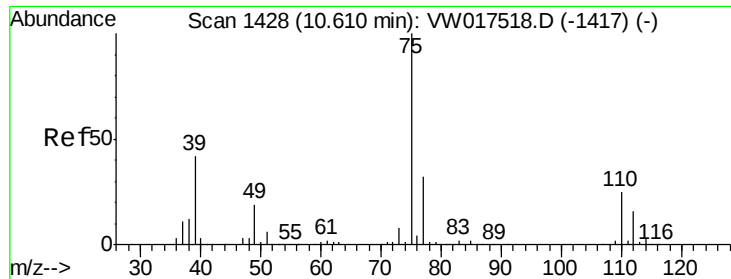
Tgt Ion: 43 Resp: 678407
Ion Ratio Lower Upper
43 100
58 37.6 30.8 46.2
100 16.9 12.9 19.3



#42
Toluene
Concen: 93.905 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

Tgt Ion: 91 Resp: 2595857
Ion Ratio Lower Upper
91 100
92 59.2 42.3 78.5

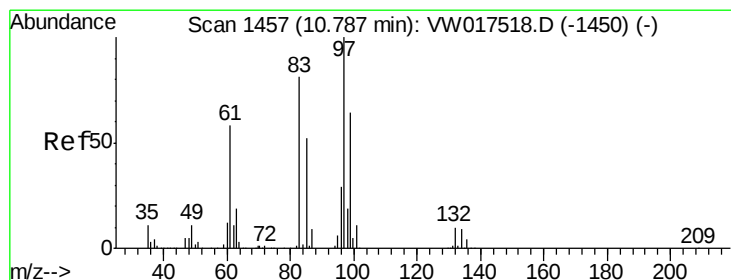
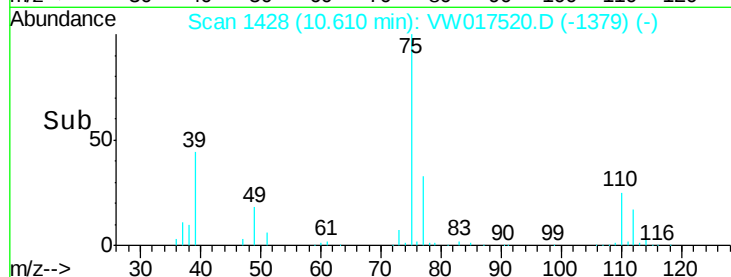
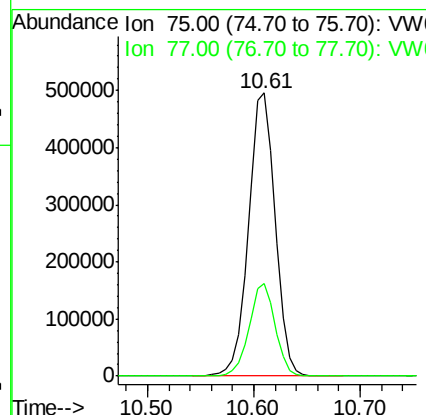
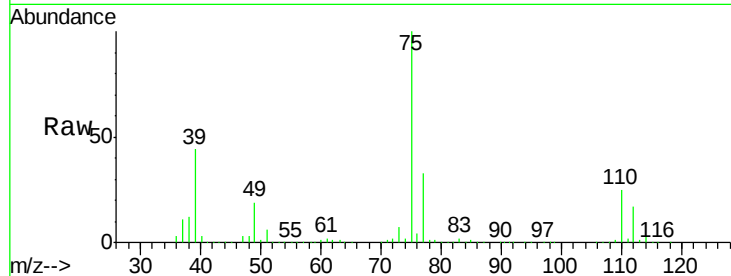




#44
trans-1,3-Dichloropropene
Concen: 111.122 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

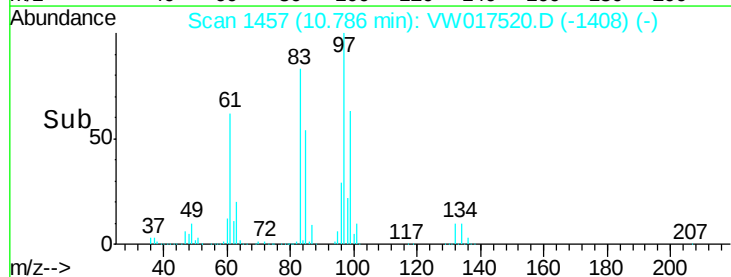
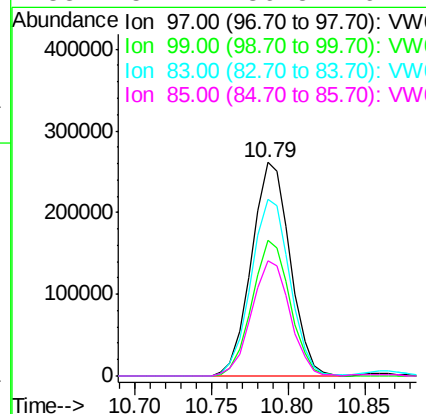
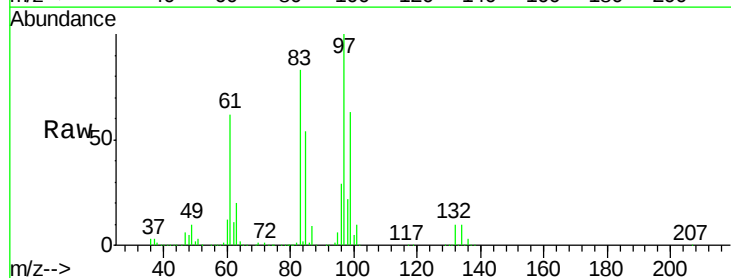
Instrument :
MSVOA_W
ClientSampled :
VSTD100106

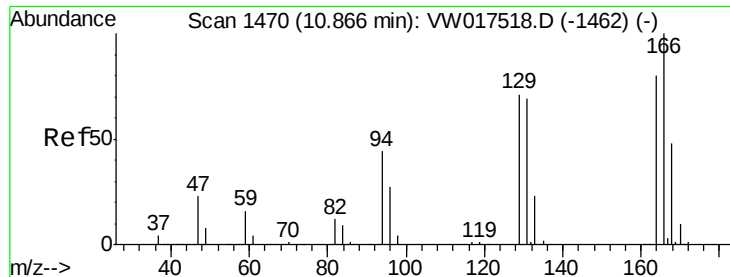
Tgt Ion: 75 Resp: 873578
Ion Ratio Lower Upper
75 100
77 32.6 22.2 41.2



#45
1,1,2-Trichloroethane
Concen: 97.923 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

Tgt Ion: 97 Resp: 459232
Ion Ratio Lower Upper
97 100
99 63.5 44.5 82.7
83 83.0 56.7 105.3
85 54.2 36.5 67.7





#46

Tetrachloroethene

Concen: 85.641 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

Tgt Ion:164 Resp: 545582

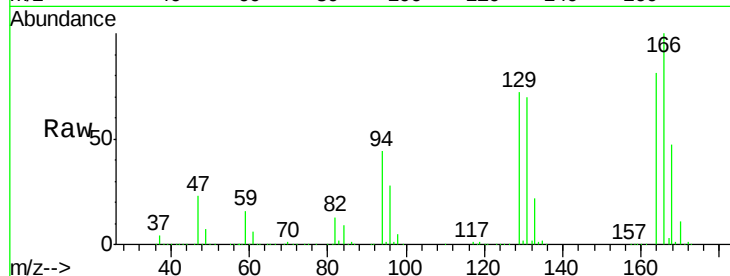
Ion Ratio Lower Upper

164 100

129 88.2 61.9 115.1

131 86.4 60.4 112.2

166 123.0 87.5 162.5

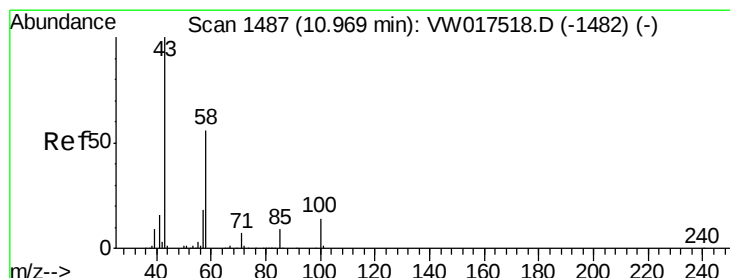
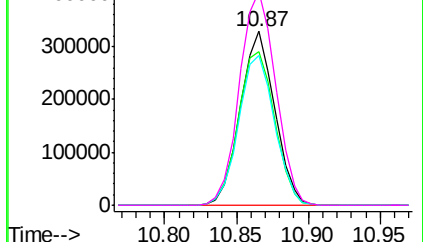
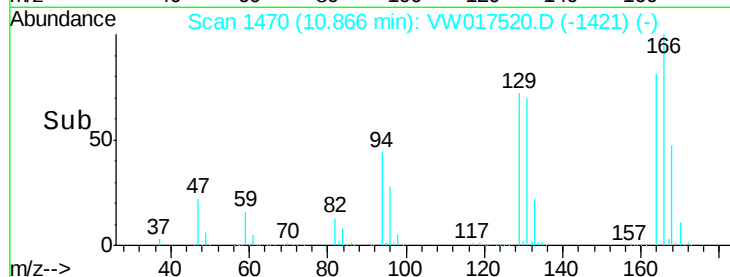


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 240.762 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Tgt Ion: 43 Resp: 489635

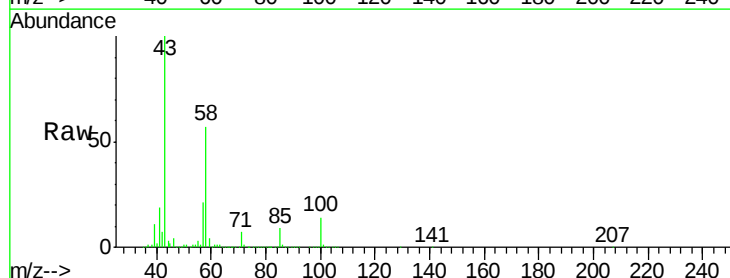
Ion Ratio Lower Upper

43 100

58 56.6 44.5 66.7

57 20.5 14.7 22.1

100 13.7 9.8 14.6

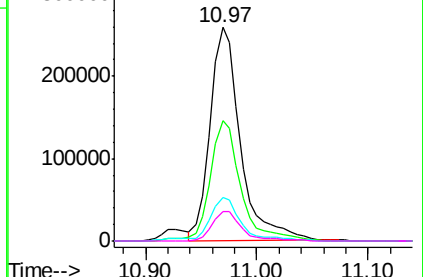
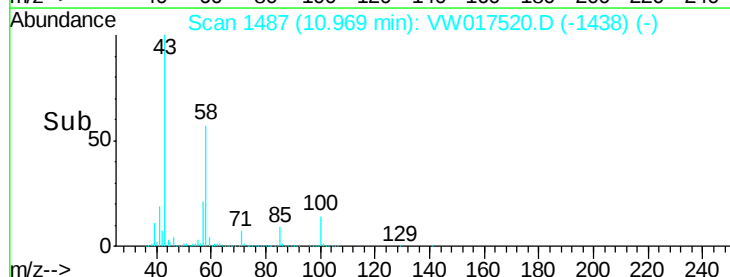


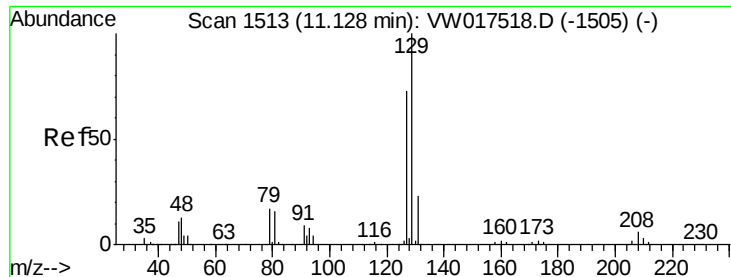
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 103.540 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

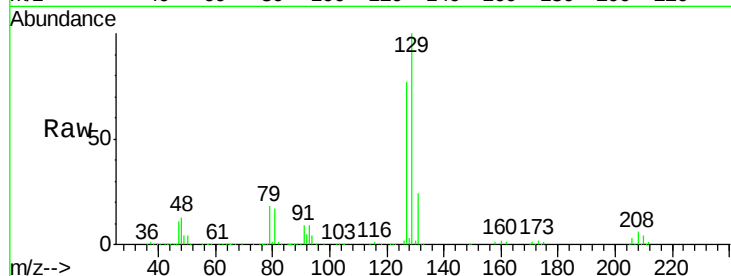
VSTD100106

Tgt Ion:129 Resp: 598938

Ion Ratio Lower Upper

129 100

127 76.9 51.2 95.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

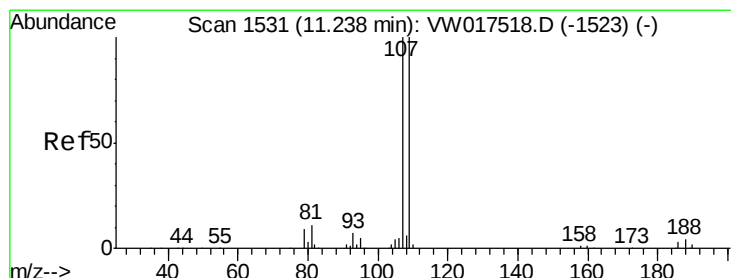
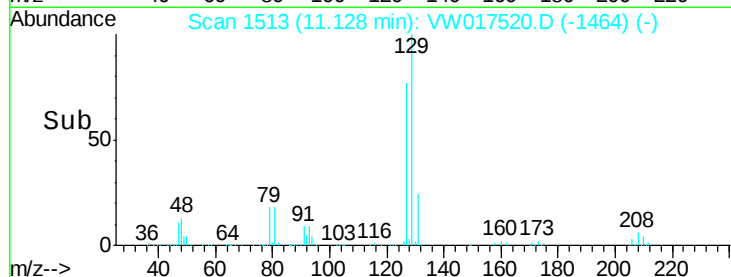
300000

200000

100000

0

Time-->



#50

1,2-Dibromoethane

Concen: 102.995 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

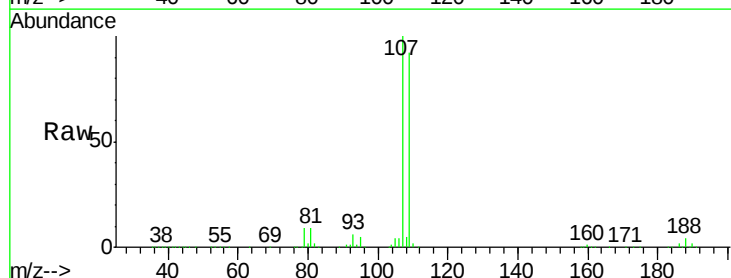
Tgt Ion:107 Resp: 463797

Ion Ratio Lower Upper

107 100

109 91.6 70.1 130.1

188 4.2 3.0 4.4



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

11.24

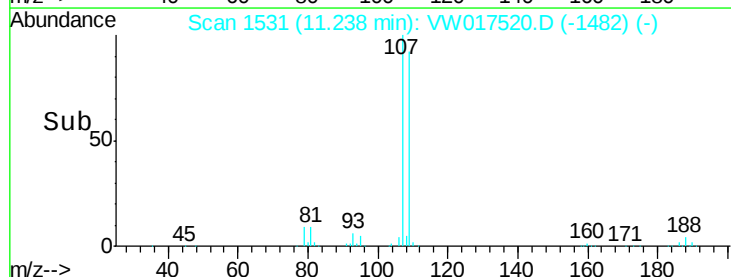
300000

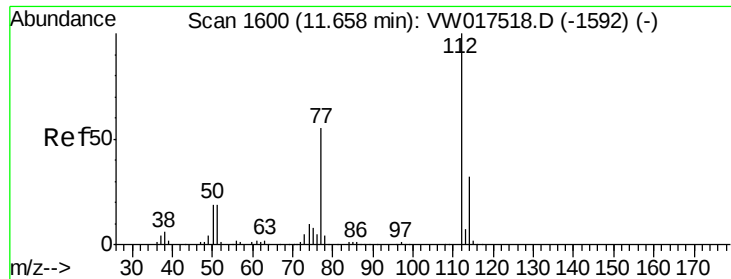
200000

100000

0

Time-->





#51

Chlorobenzene

Concen: 91.654 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

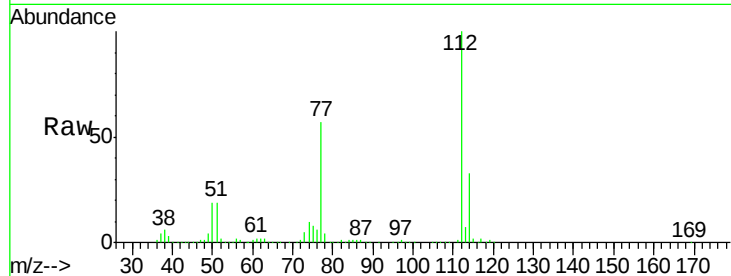
Tgt Ion: 112 Resp: 1694428

Ion Ratio Lower Upper

112 100

114 33.2 22.6 42.0

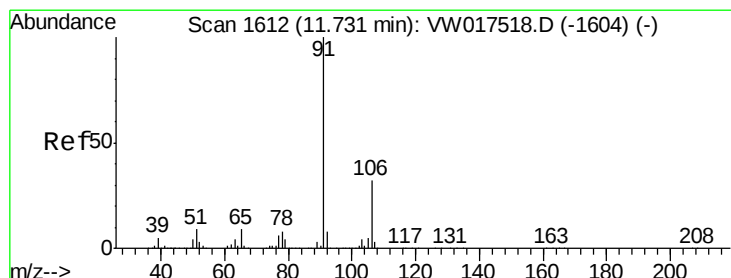
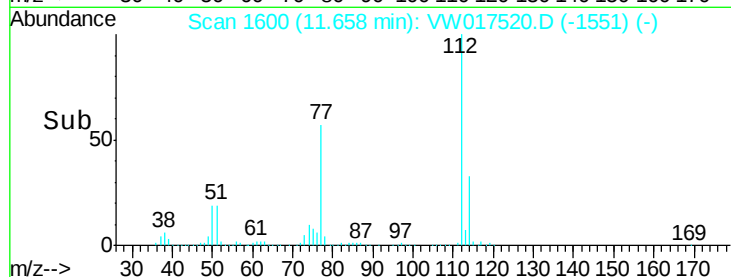
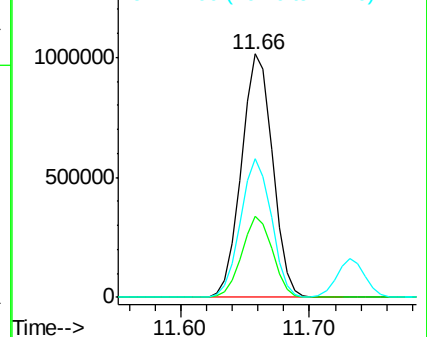
77 57.0 44.3 66.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 94.878 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017520.D

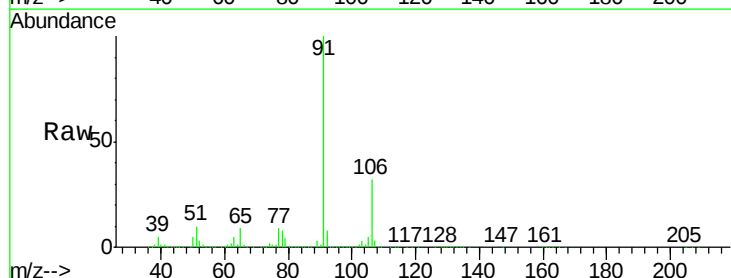
Acq: 02 Dec 2020 11:20

Tgt Ion: 91 Resp: 2959608

Ion Ratio Lower Upper

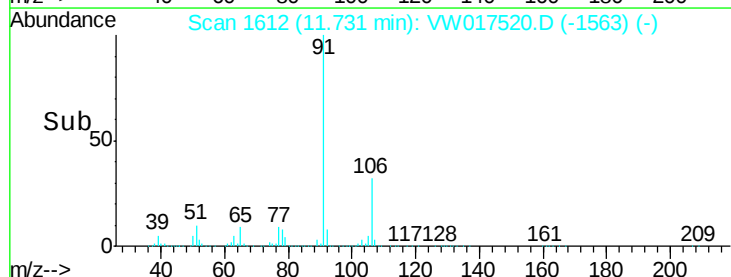
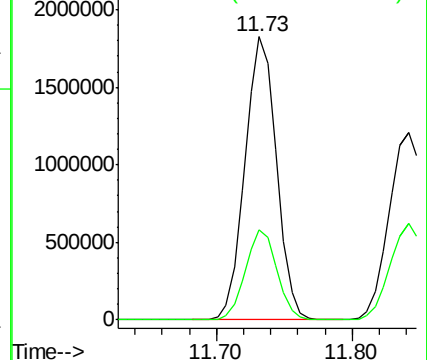
91 100

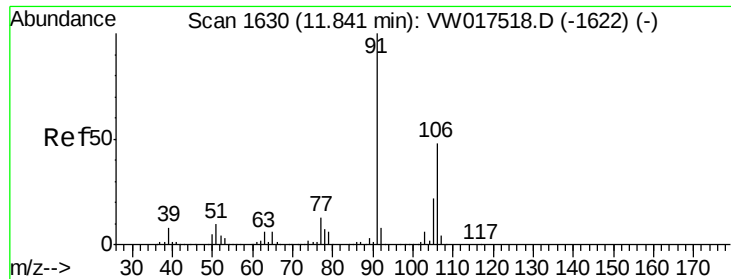
106 31.9 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

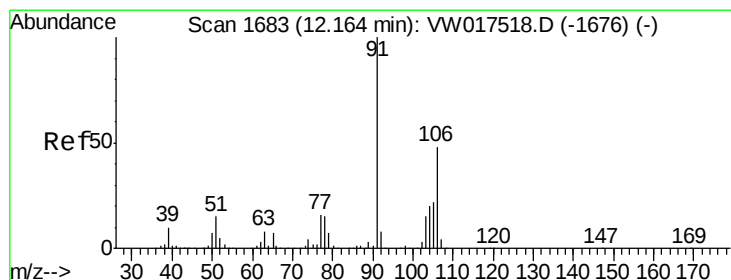
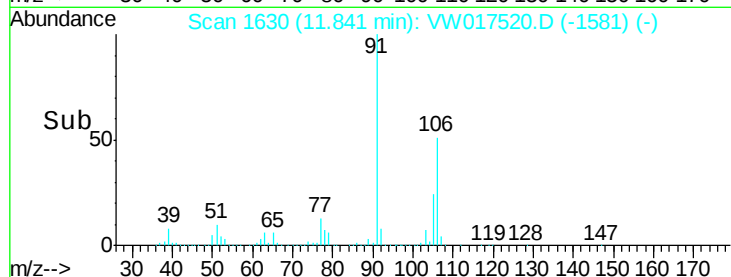
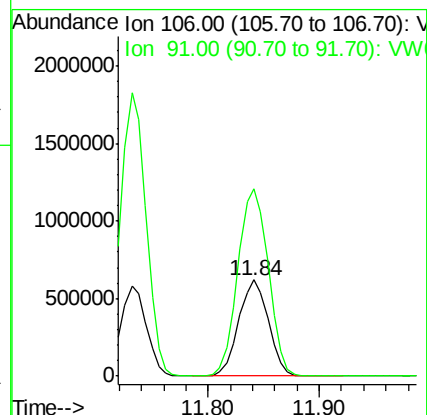
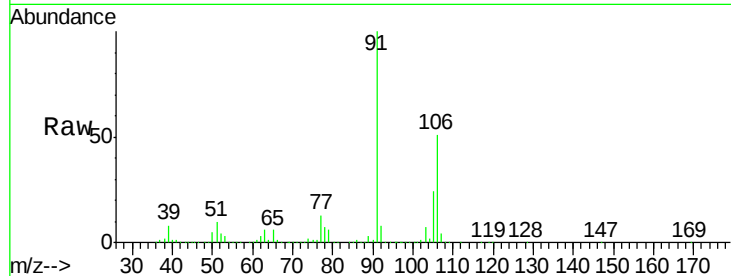




#53
m,p-Xylene
Concen: 94.741 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

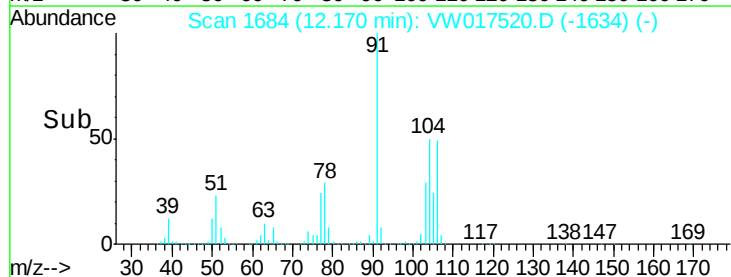
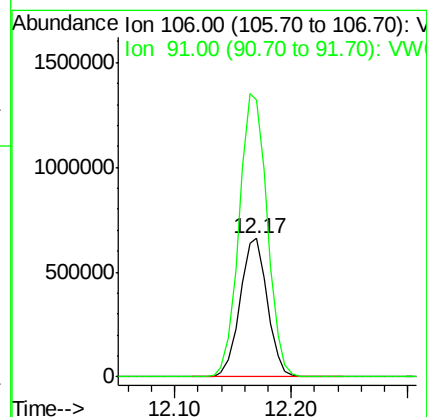
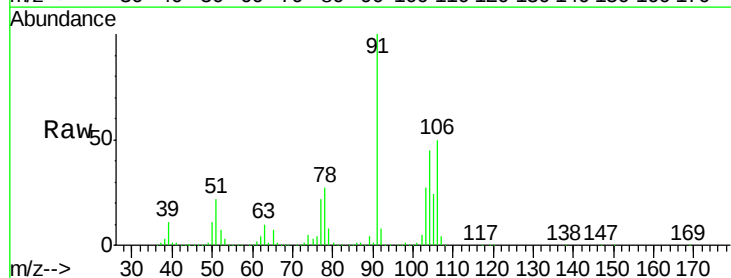
Instrument :
MSVOA_W
ClientSampleId :
VSTD100106

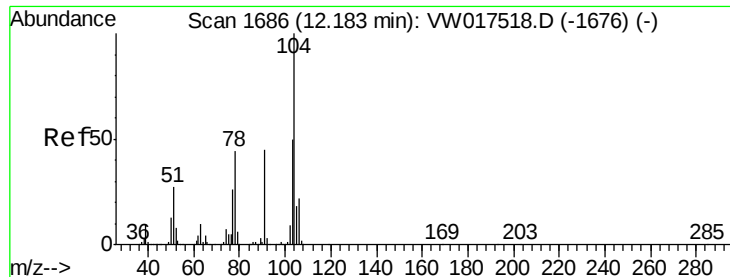
Tgt Ion:106 Resp: 1143646
Ion Ratio Lower Upper
106 100
91 194.4 145.4 270.0



#54
o-Xylene
Concen: 94.432 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017520.D
Acq: 02 Dec 2020 11:20

Tgt Ion:106 Resp: 1080287
Ion Ratio Lower Upper
106 100
91 200.8 146.0 271.2





#55

Styrene

Concen: 97.321 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

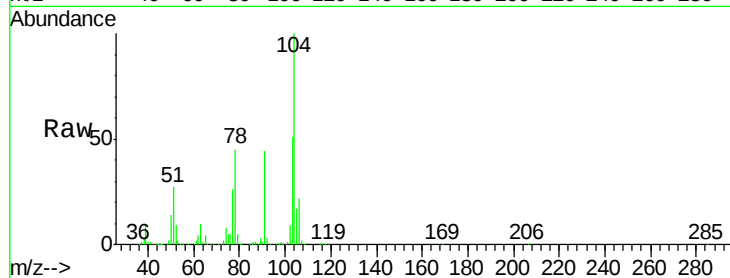
VSTD100106

Tgt Ion:104 Resp: 1859537

Ion Ratio Lower Upper

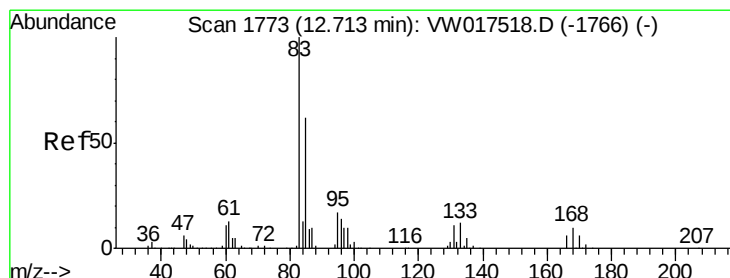
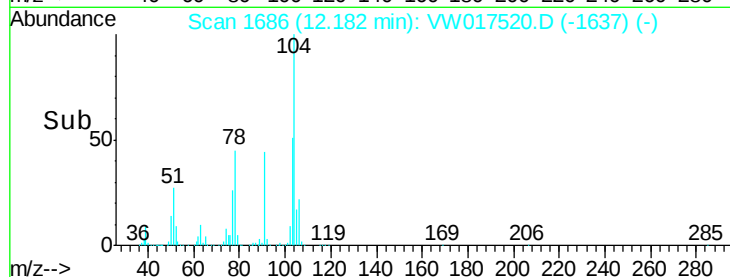
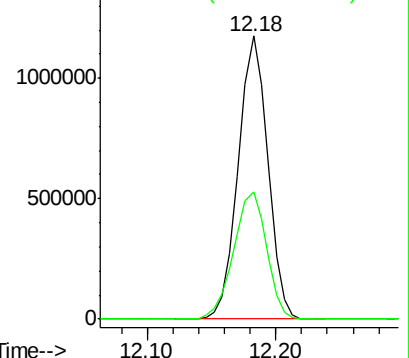
104 100

78 44.9 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 103.502 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

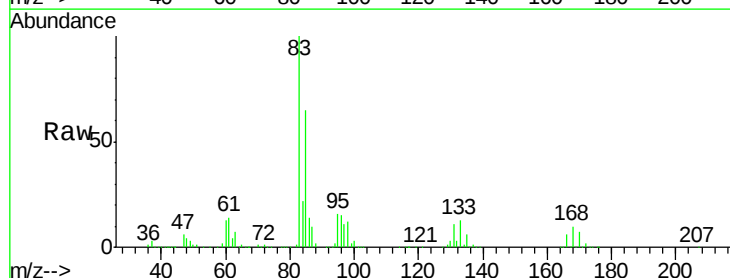
Tgt Ion: 83 Resp: 533216

Ion Ratio Lower Upper

83 100

85 64.7 43.3 80.3

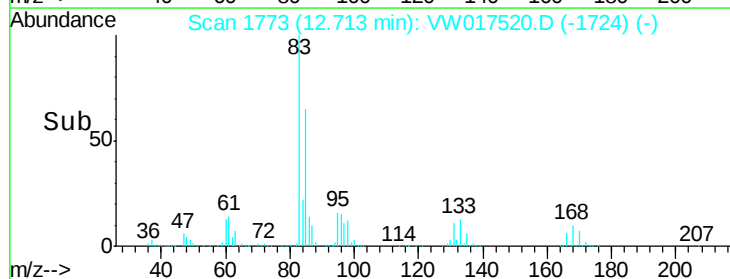
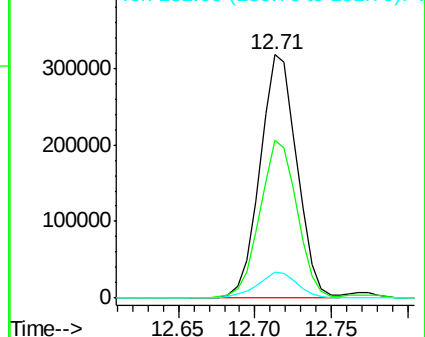
131 10.8 9.1 13.7

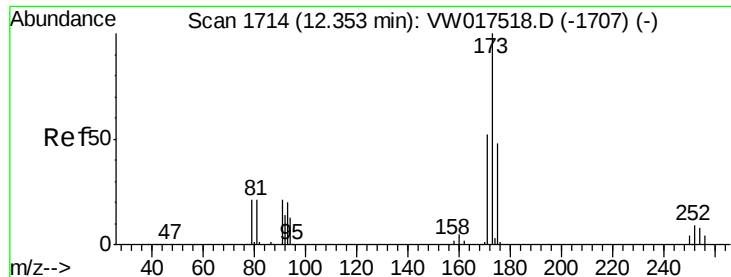


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 108.088 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

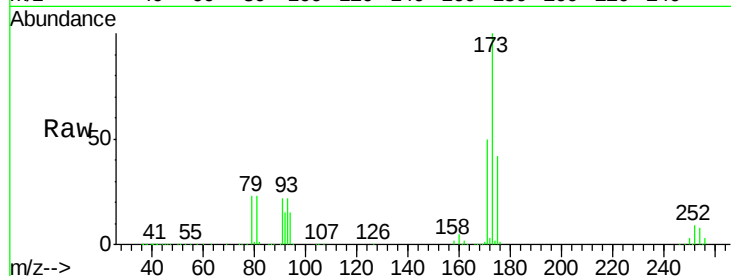
Tgt Ion:173 Resp: 360472

Ion Ratio Lower Upper

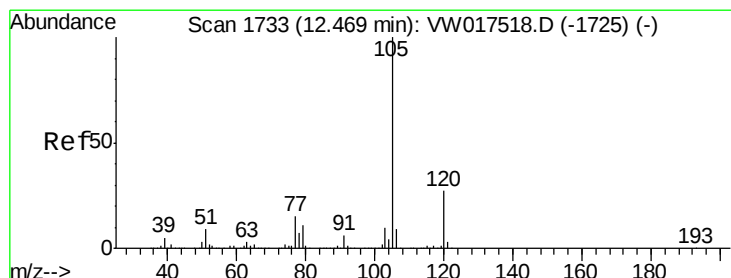
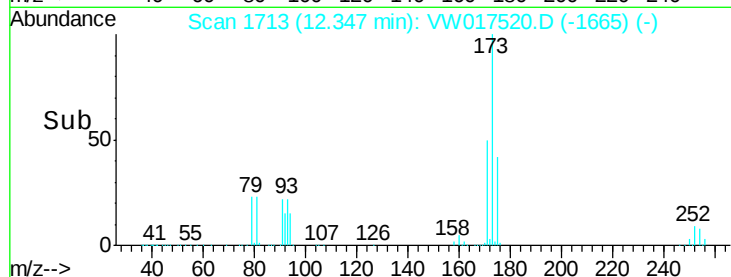
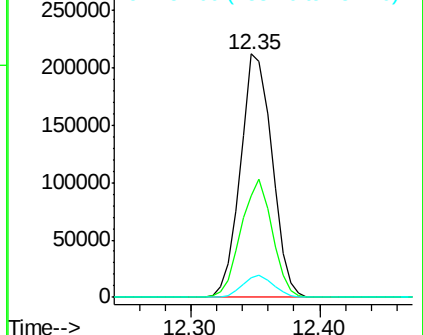
173 100

175 47.8 38.9 58.3

254 8.8 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 97.506 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

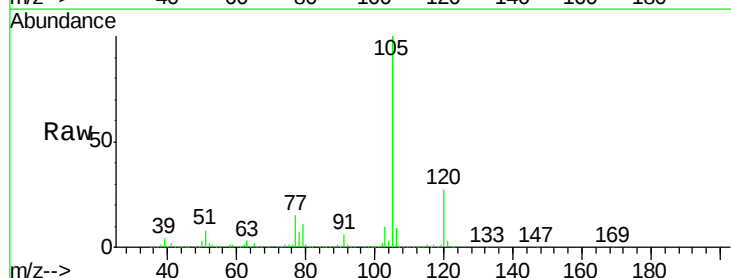
Tgt Ion:105 Resp: 2970204

Ion Ratio Lower Upper

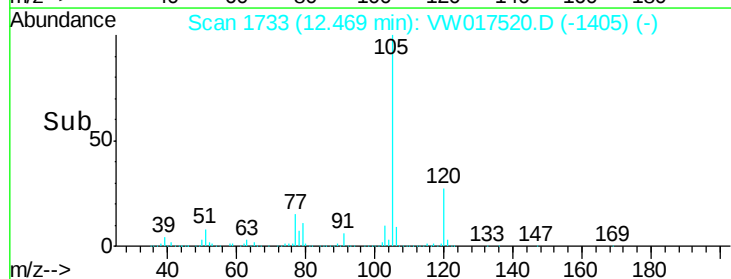
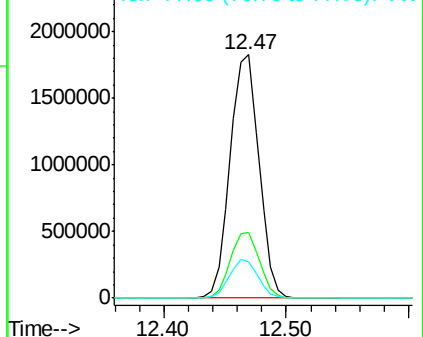
105 100

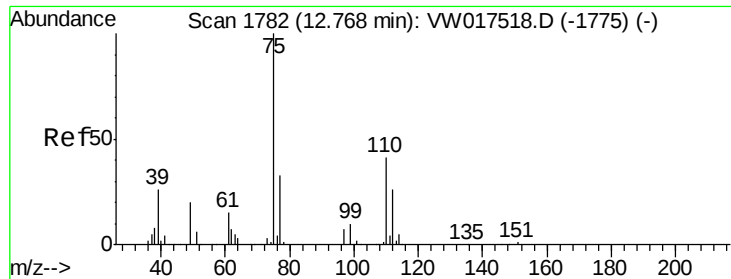
120 27.3 21.5 32.3

77 15.5 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

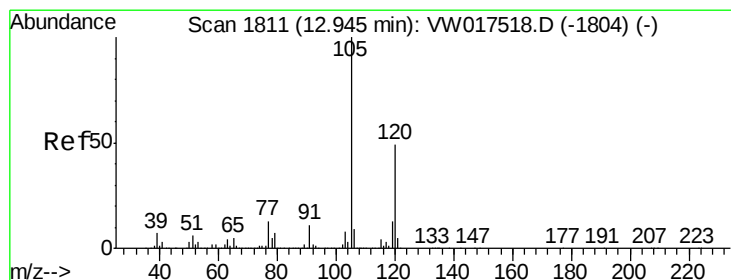
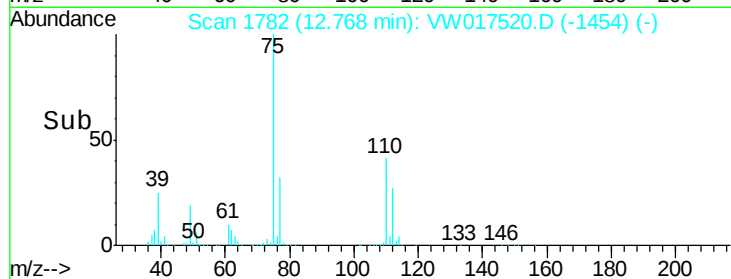
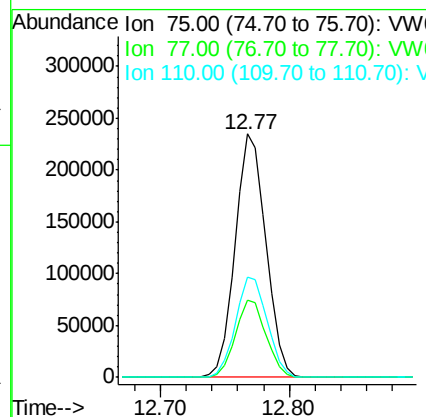
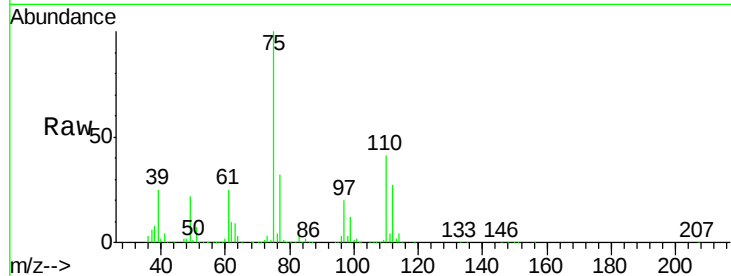




#61
 1,2,3-Trichloropropane
 Concen: 104.730 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

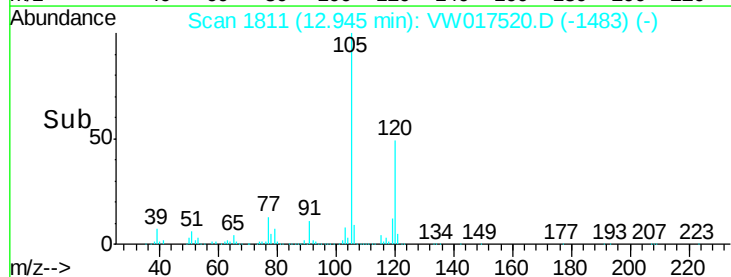
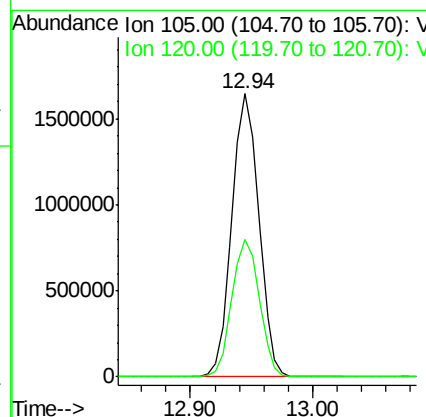
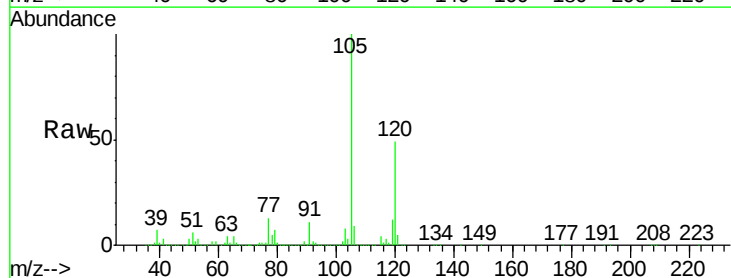
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

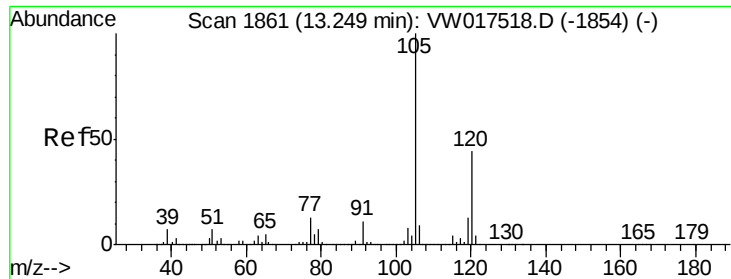
Tgt Ion: 75 Resp: 389074
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.6 40.0
 110 42.4 34.4 51.6



#62
 1,3,5-Trimethylbenzene
 Concen: 99.628 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

Tgt Ion: 105 Resp: 2509621
 Ion Ratio Lower Upper
 105 100
 120 49.4 38.9 58.3

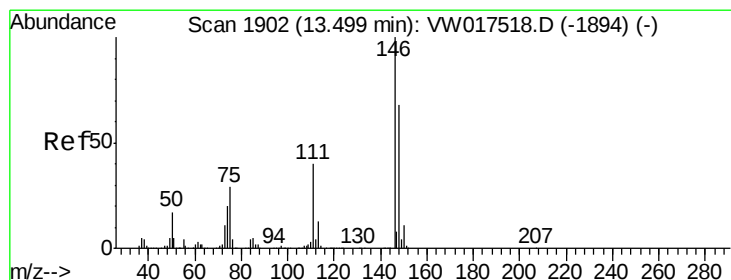
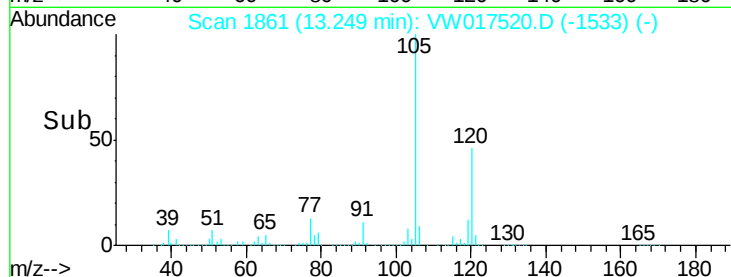
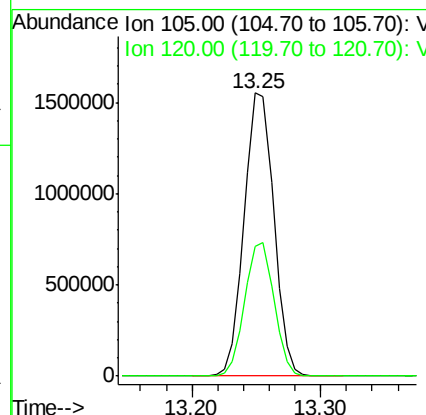
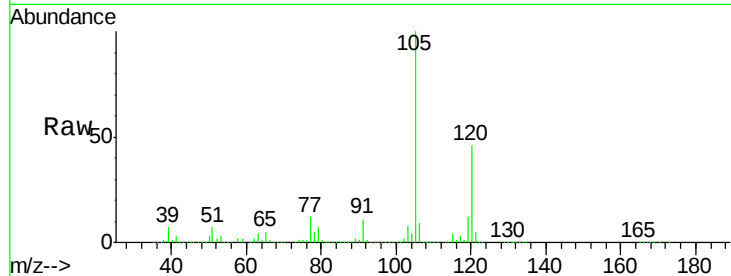




#63
 1,2,4-Trimethylbenzene
 Concen: 103.209 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

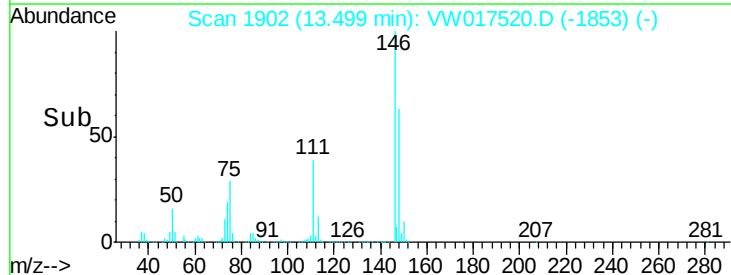
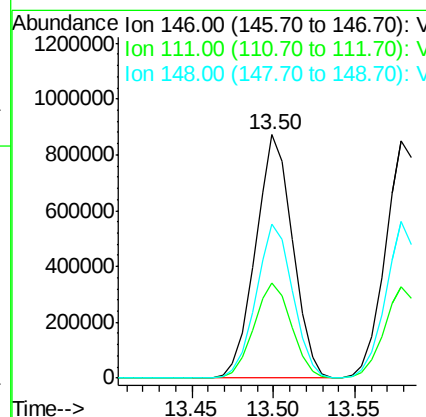
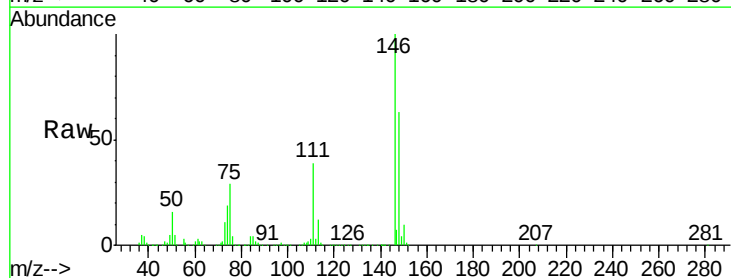
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

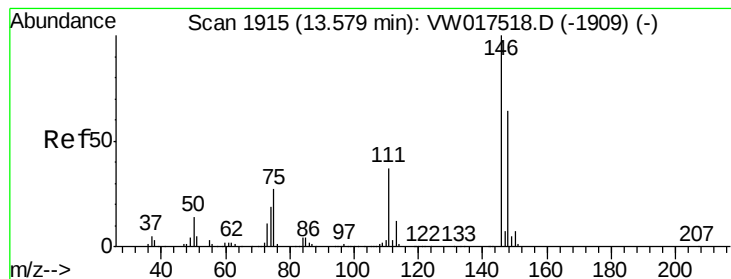
Tgt Ion:105 Resp: 2470371
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.8 55.2



#64
 1,3-Dichlorobenzene
 Concen: 93.727 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

Tgt Ion:146 Resp: 1376450
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.9 51.9
 148 63.3 47.3 87.8





#65

1,4-Dichlorobenzene

Concen: 91.947 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

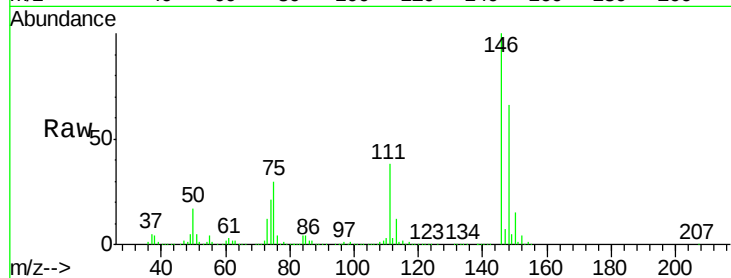
Tgt Ion:146 Resp: 1342444

Ion Ratio Lower Upper

146 100

111 38.4 26.3 48.9

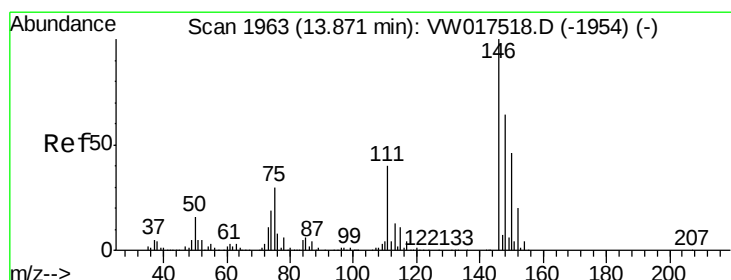
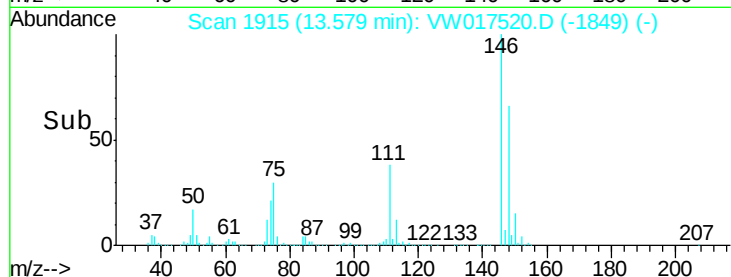
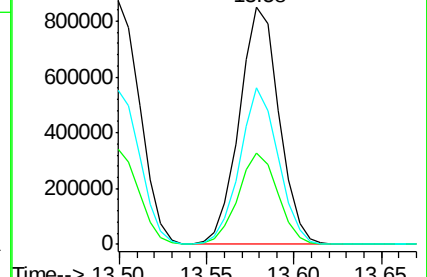
148 66.2 44.9 83.3



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



#67

1,2-Dichlorobenzene

Concen: 95.150 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

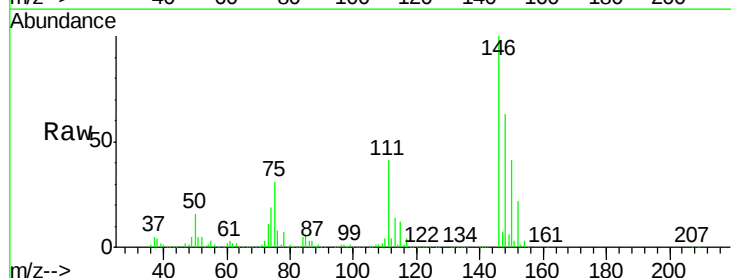
Tgt Ion:146 Resp: 1218713

Ion Ratio Lower Upper

146 100

111 40.9 32.4 48.6

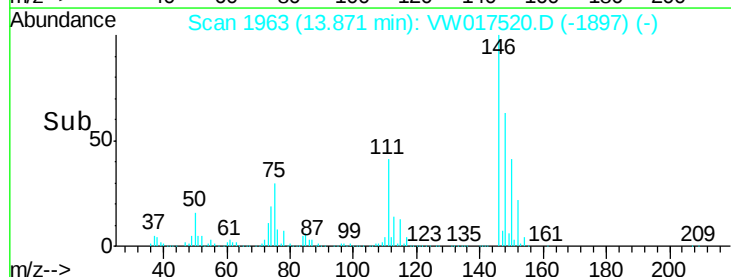
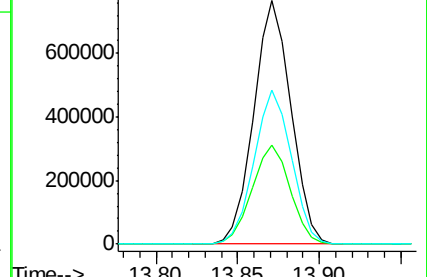
148 63.1 51.3 76.9

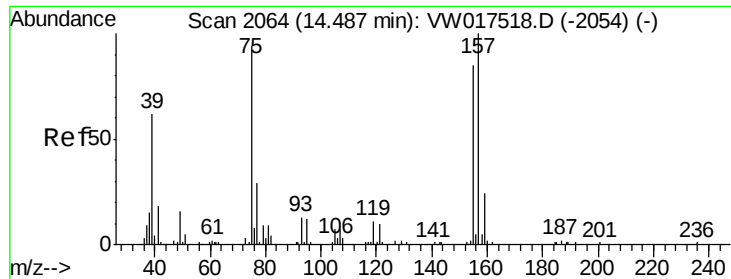


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 115.937 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

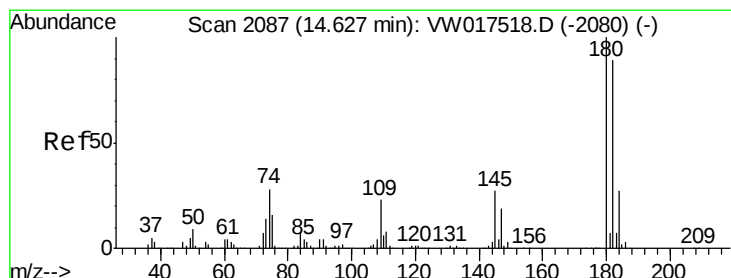
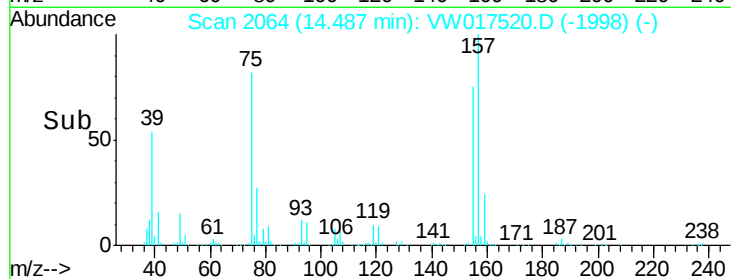
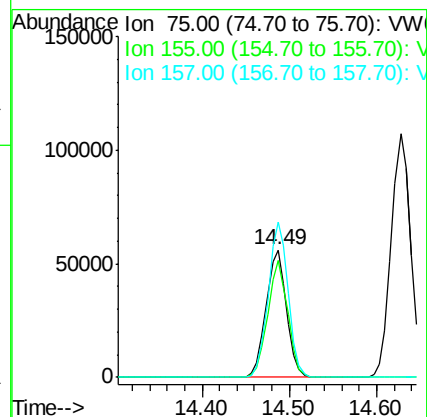
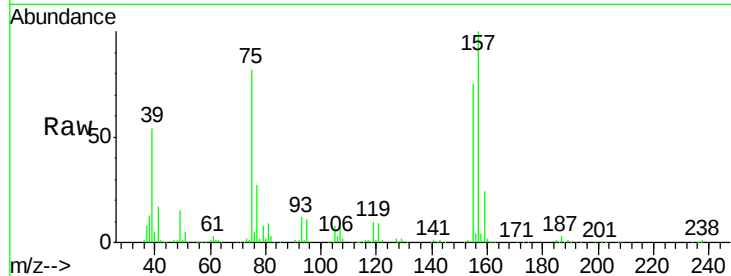
Tgt Ion: 75 Resp: 91554

Ion Ratio Lower Upper

75 100

155 91.8 72.6 109.0

157 121.8 85.2 127.8



#69

1,3,5-Trichlorobenzene

Concen: 93.810 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Tgt Ion: 180 Resp: 1011914

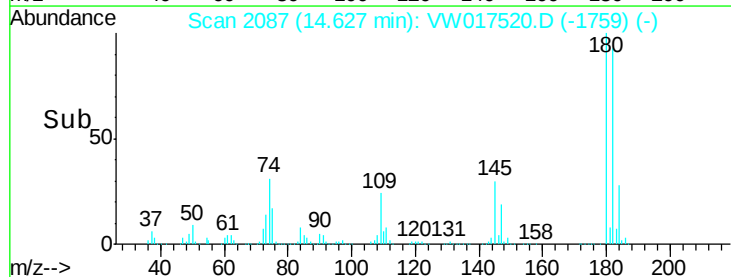
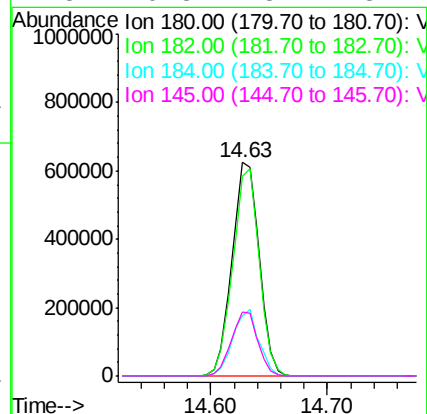
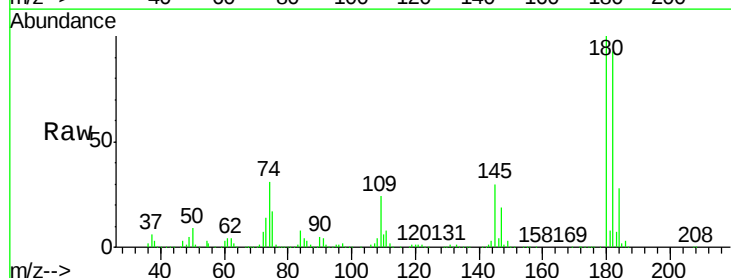
Ion Ratio Lower Upper

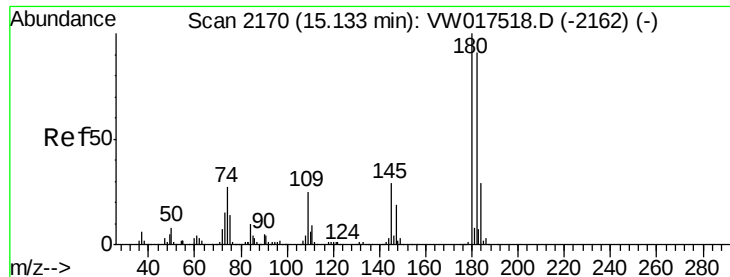
180 100

182 94.8 74.9 112.3

184 29.8 23.8 35.6

145 29.3 23.1 34.7





#70

1,2,4-trichlorobenzene

Concen: 100.093 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD100106

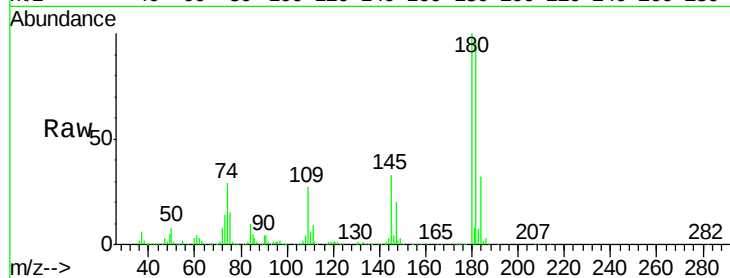
Tgt Ion:180 Resp: 869402

Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

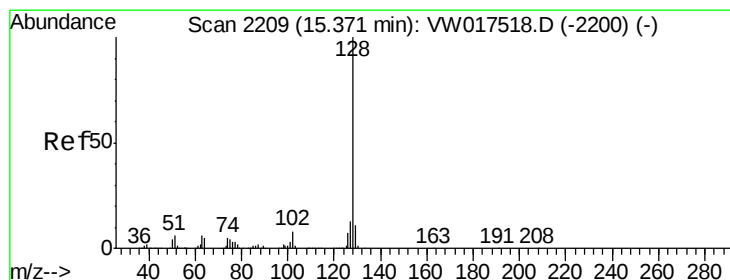
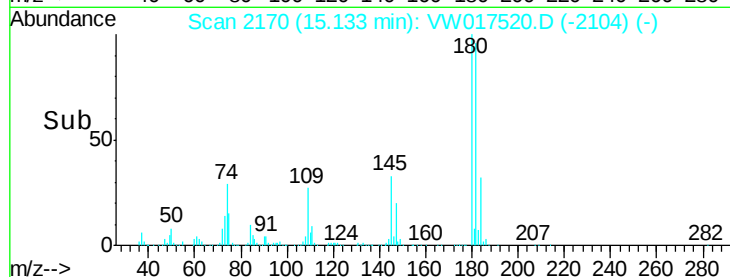
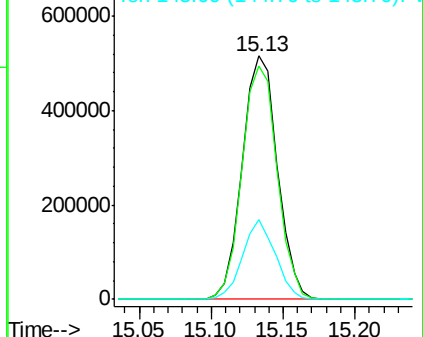
145 30.4 24.5 36.7



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



#71

Naphthalene

Concen: 109.323 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017520.D

Acq: 02 Dec 2020 11:20

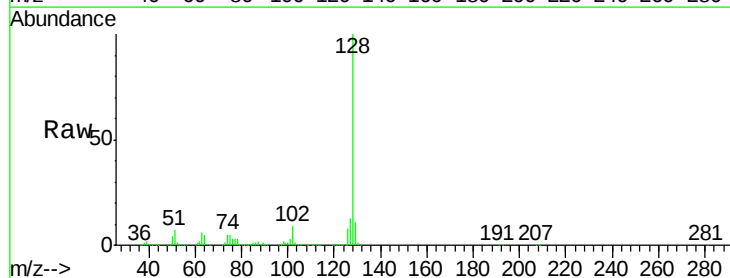
Tgt Ion:128 Resp: 1554869

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

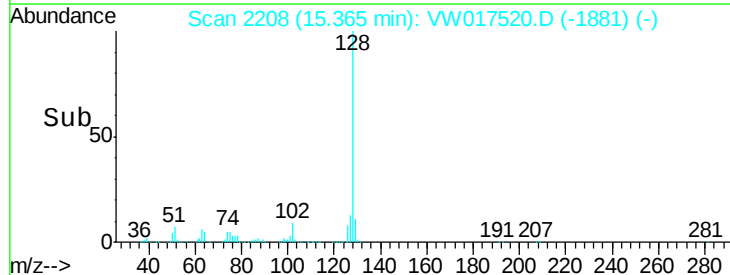
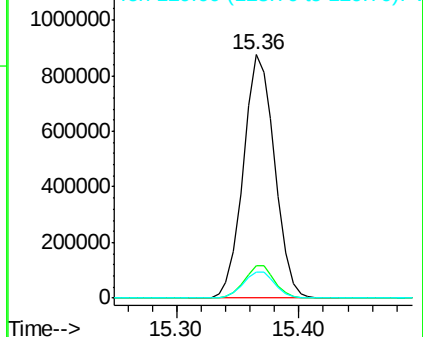
129 10.9 8.7 13.1

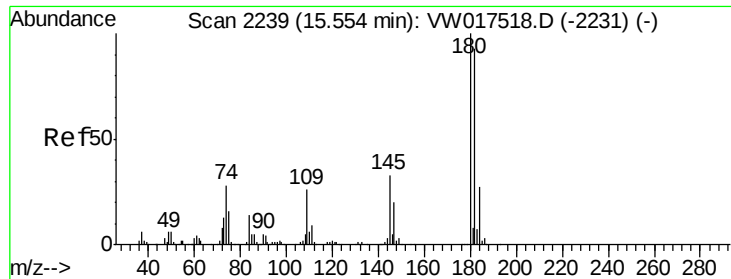


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

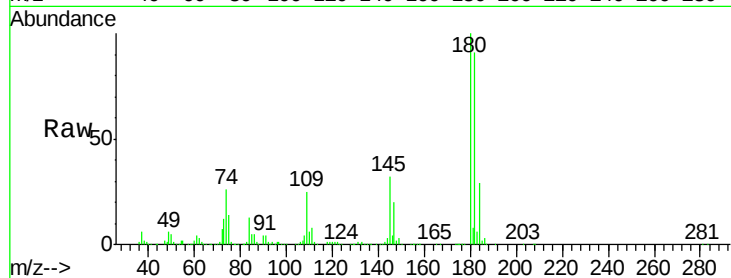




#72
 1,2,3-Trichlorobenzene
 Concen: 101.455 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW017520.D
 Acq: 02 Dec 2020 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100106

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	79.0	118.6
145	32.8	26.8	40.2



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

