

Data File : VW015753.D
Acq On : 29 Jun 2020 10:31
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Quant Time: Jun 29 11:06:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 29 09:52:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	328793	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	300796	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	145807	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	129785	43.07	ug/L	0.00
7) Chloroethane-d5	2.90	69	104355	34.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	232625	31.69	ug/L	0.00
20) 2-Butanone-d5	7.09	46	54040	54.93	ug/L	0.00
24) Chloroform-d	7.65	84	223117	29.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	122433	28.94	ug/L	0.00
29) Benzene-d6	8.27	84	440302	29.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	128221	28.60	ug/L	0.00
37) Toluene-d8	10.33	98	410026	28.59	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	57278	27.62	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	43141	55.59	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98354	29.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	140358	28.72	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	80071	27.566	ug/L	100
3) Chloromethane	2.21	50	74773	23.384	ug/L	99
5) Vinyl chloride	2.37	62	127538	26.523	ug/L	99
6) Bromomethane	2.79	94	80885	25.880	ug/L	99
8) Chloroethane	2.93	64	78898	26.954	ug/L	99
9) Trichlorofluoromethane	3.26	101	94832	27.712	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	102222	25.186	ug/L	99
12) 1,1-Dichloroethene	4.04	96	98160	25.038	ug/L	90
13) Acetone	4.13	43	45033	59.216	ug/L	98
14) Carbon disulfide	4.38	76	306350	23.423	ug/L	99
15) Methyl Acetate	4.68	43	42437	25.793	ug/L	99
16) Methylene chloride	4.92	84	107126	26.547	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	149353	24.006	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	104713	24.923	ug/L	97
19) 1,1-Dichloroethane	6.22	63	186584	24.690	ug/L	100
21) 2-Butanone	7.18	43	56855	48.667	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	109436	24.968	ug/L	97
23) Bromochloromethane	7.52	128	47870	25.328	ug/L	97
25) Chloroform	7.68	83	191450	25.160	ug/L	100
27) 1,2-Dichloroethane	8.40	62	129148	25.088	ug/L	100
30) Cyclohexane	7.96	56	178299	23.980	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	166809	24.789	ug/L	99
32) Carbon tetrachloride	8.07	117	151254	24.506	ug/L	99
34) Benzene	8.32	78	423624	25.184	ug/L	100
35) Trichloroethene	9.09	95	111781	24.739	ug/L	99
36) Methylcyclohexane	9.34	83	196900	24.433	ug/L	100
40) 1,2-Dichloropropane	9.37	63	102019	24.628	ug/L	99
41) Bromodichloromethane	9.65	83	135132	24.418	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	161169	24.313	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	119287	49.125	ug/L	99

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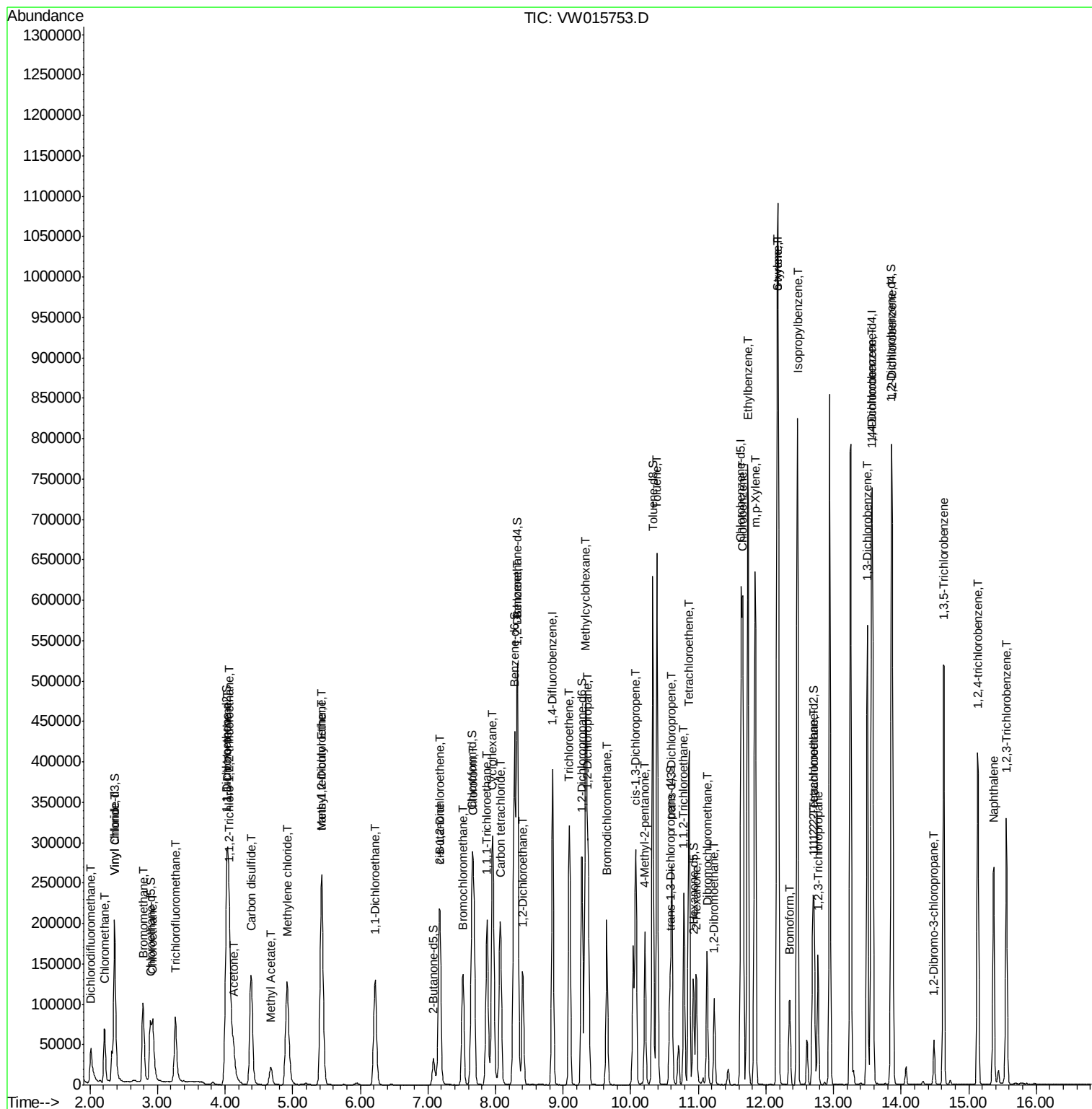
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	468415	25.559	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	141388	24.509	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	73144	25.239	ug/L	99
47) Tetrachloroethene	10.87	164	90339	25.222	ug/L	97
49) 2-Hexanone	10.97	43	84974	51.844	ug/L	99
50) Dibromochloromethane	11.13	129	86834	24.662	ug/L	96
51) 1,2-Dibromoethane	11.24	107	70448	25.321	ug/L	99
52) Chlorobenzene	11.66	112	290928	25.308	ug/L	99
53) Ethylbenzene	11.73	91	534388	25.394	ug/L	100
54) m,p-Xylene	11.84	106	201280	25.490	ug/L	99
55) o-xylene	12.17	106	190260	25.383	ug/L	98
56) Styrene	12.18	104	325915	25.447	ug/L	99
57) Isopropylbenzene	12.47	105	531057	25.434	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	88460	26.365	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	65625	25.796	ug/L	100
62) Bromoform	12.35	173	47419	23.341	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	224458	25.157	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	222199	25.416	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	201091	25.936	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	13696	23.286	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	157370	25.476	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	126310	25.388	ug/L	99
69) Naphthalene	15.37	128	226806	25.107	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	110459	26.098	ug/L	99

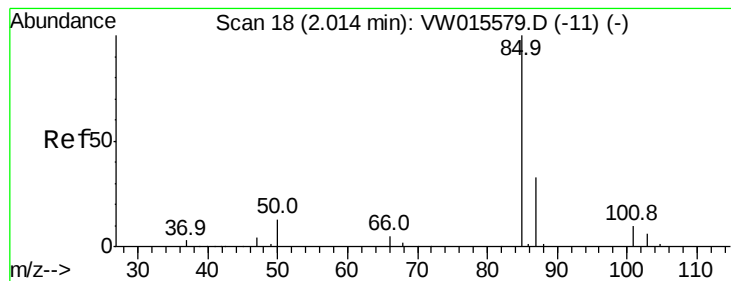
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.566 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampled :

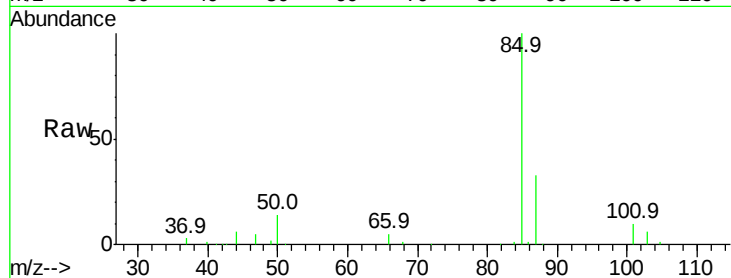
VSTD02506

Tgt Ion: 85 Resp: 80071

Ion Ratio Lower Upper

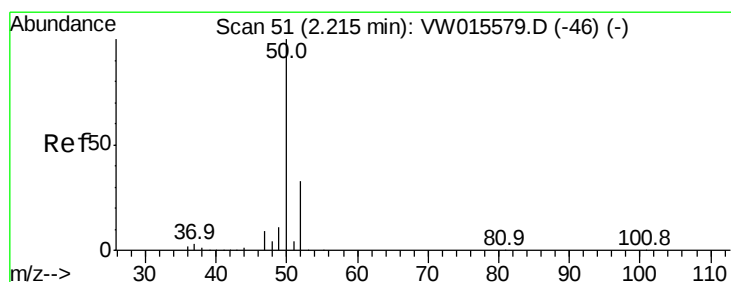
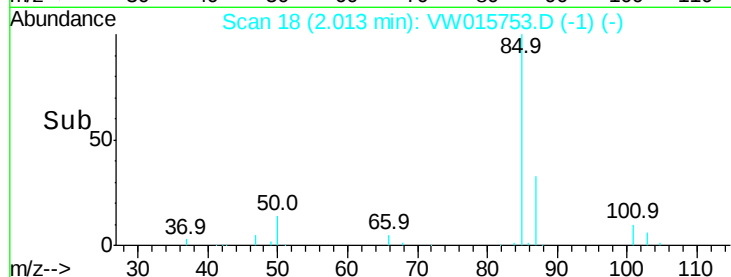
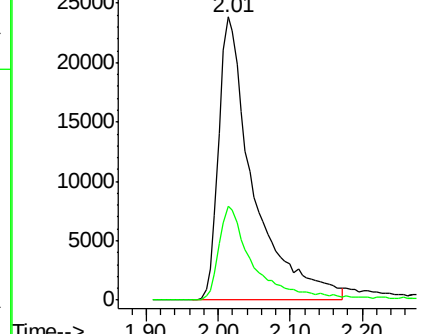
85 100

87 30.1 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.384 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015753.D

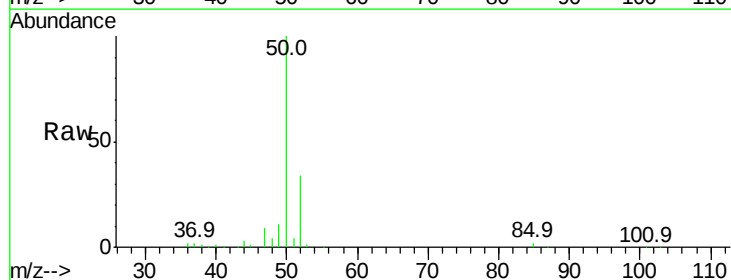
Acq: 29 Jun 2020 10:31

Tgt Ion: 50 Resp: 74773

Ion Ratio Lower Upper

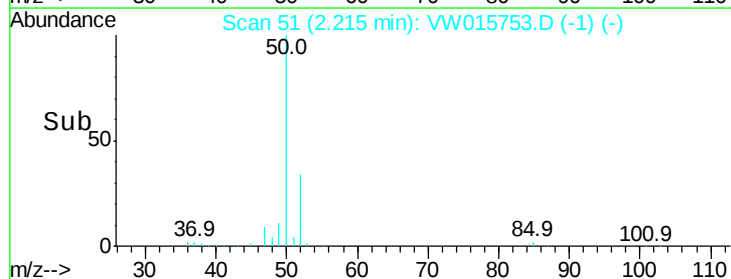
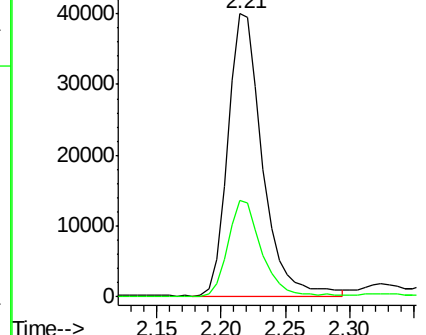
50 100

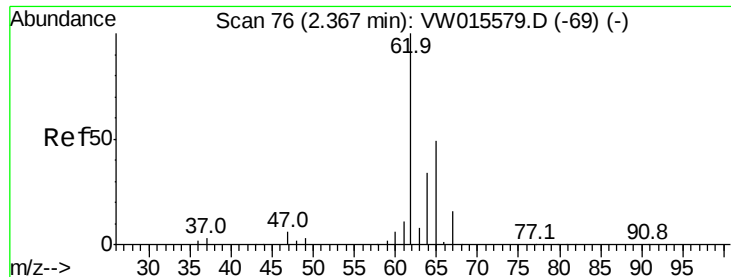
52 33.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.523 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

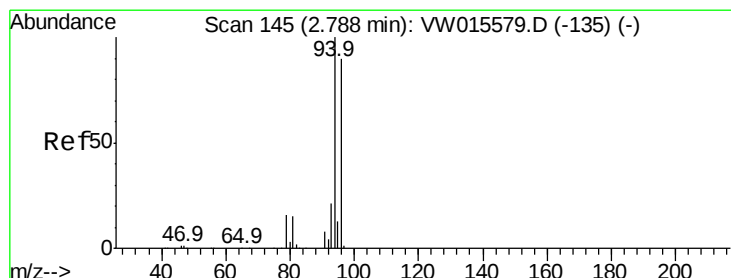
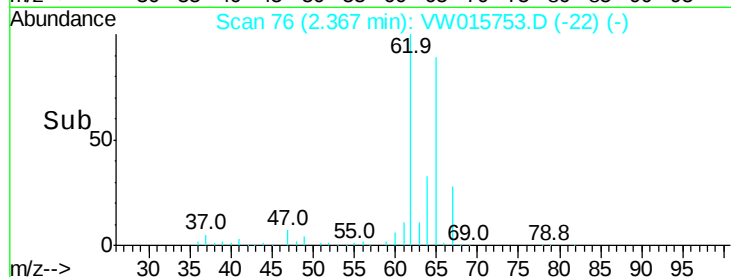
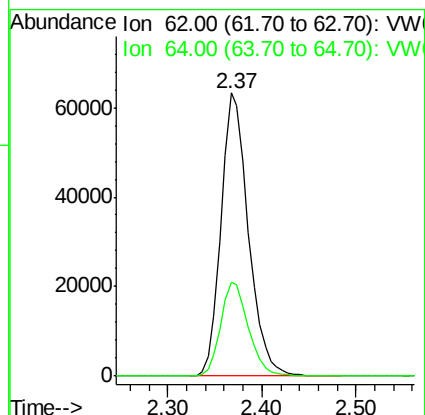
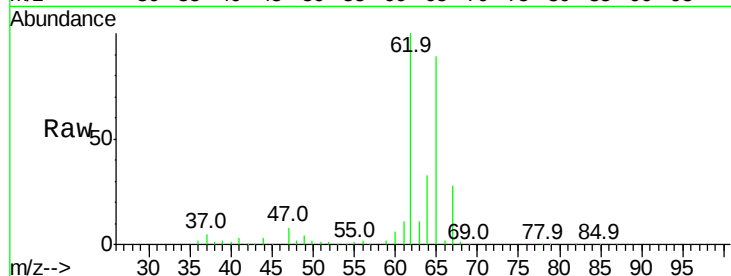
VSTD02506

Tgt Ion: 62 Resp: 127538

Ion Ratio Lower Upper

62 100

64 33.1 22.6 42.0



#6

Bromomethane

Concen: 25.880 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015753.D

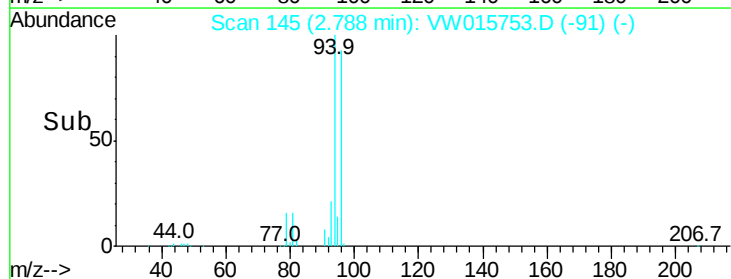
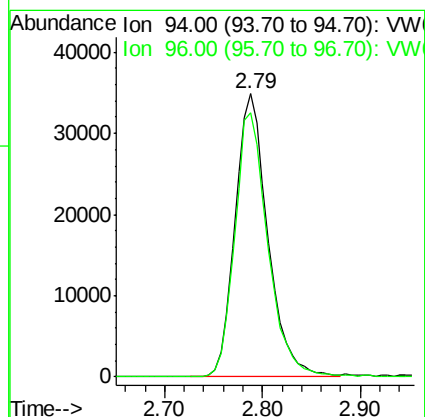
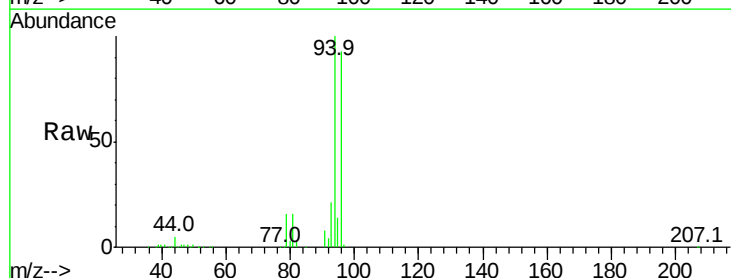
Acq: 29 Jun 2020 10:31

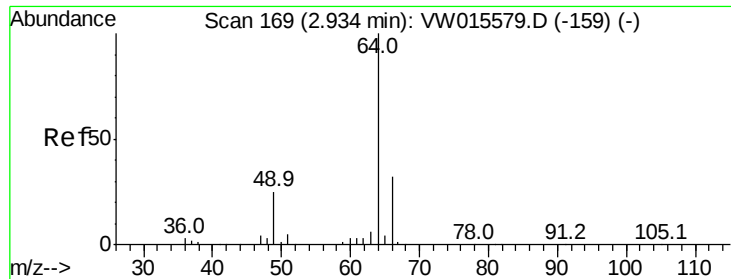
Tgt Ion: 94 Resp: 80885

Ion Ratio Lower Upper

94 100

96 94.3 9.3 177.5

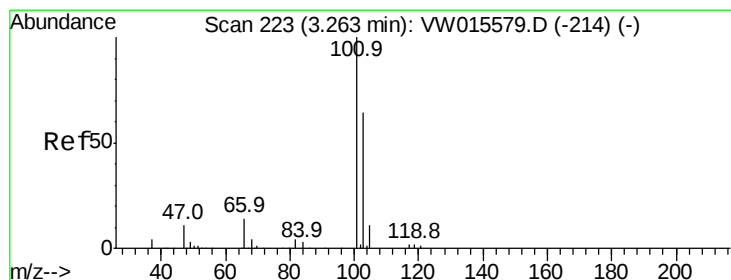
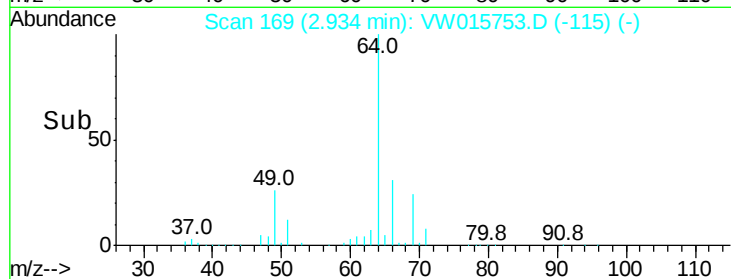
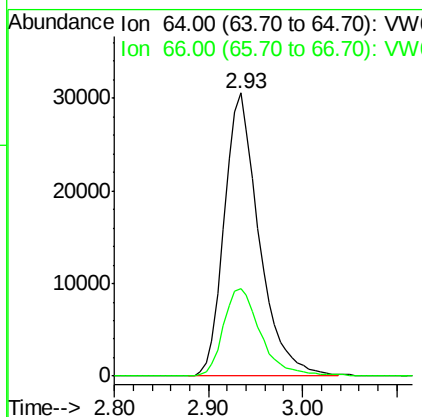
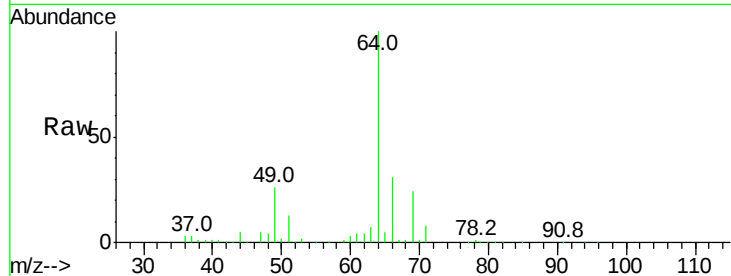




#8
Chloroethane
Concen: 26.954 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

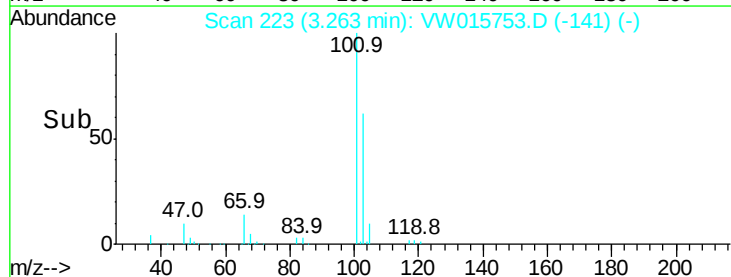
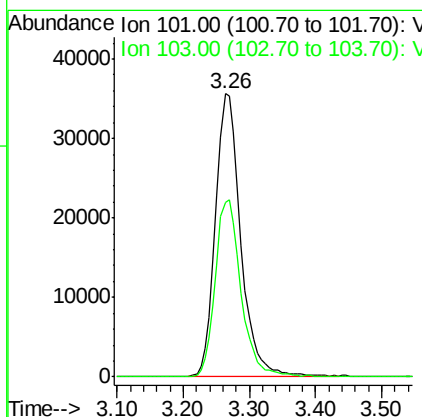
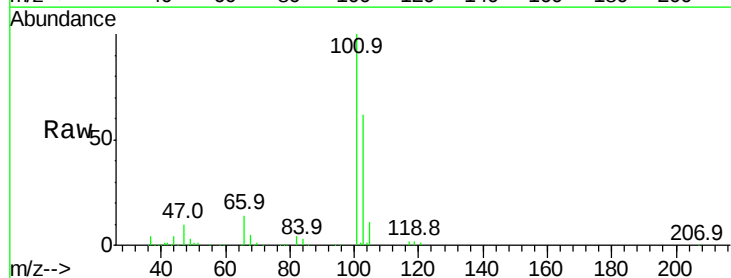
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

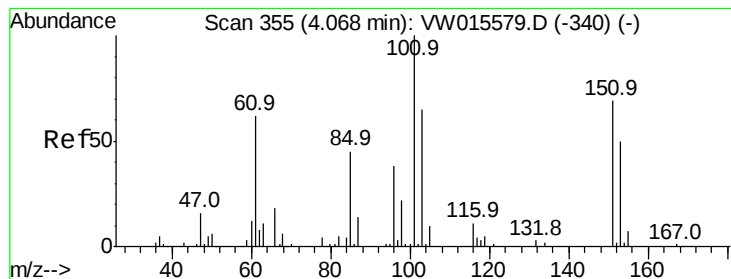
Tgt Ion: 64 Resp: 78898
Ion Ratio Lower Upper
64 100
66 30.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 27.712 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 101 Resp: 94832
Ion Ratio Lower Upper
101 100
103 63.4 46.6 86.6





#11

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

Concen: 25.186 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

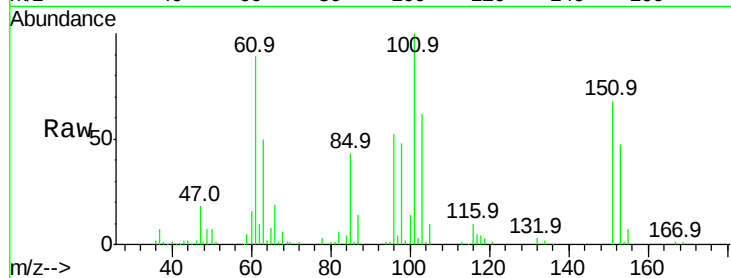
Tgt Ion: 101 Resp: 102222

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

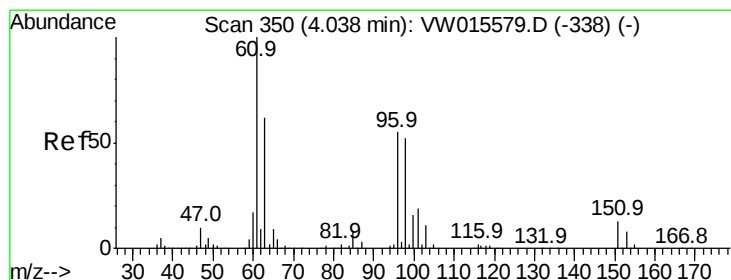
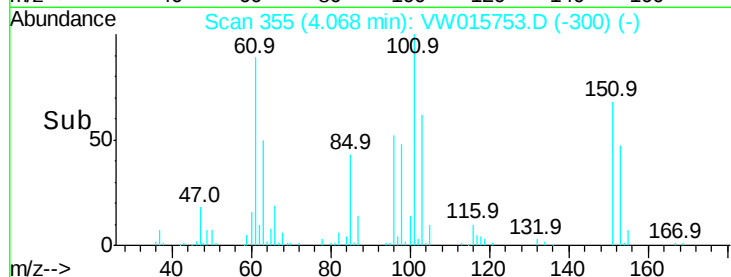
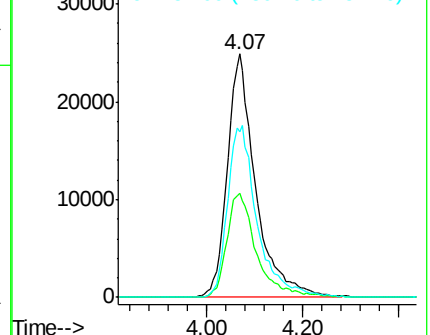
151 73.3 58.6 87.8



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: 25.038 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

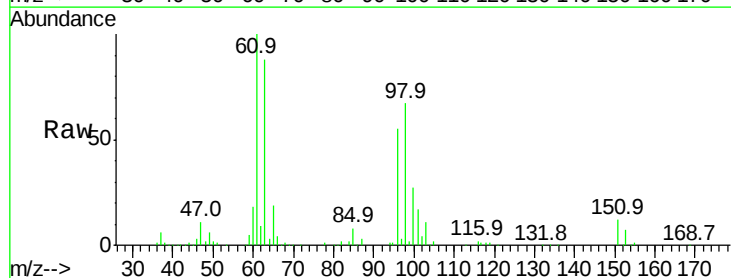
Tgt Ion: 96 Resp: 98160

Ion Ratio Lower Upper

96 100

61 182.8 127.7 237.1

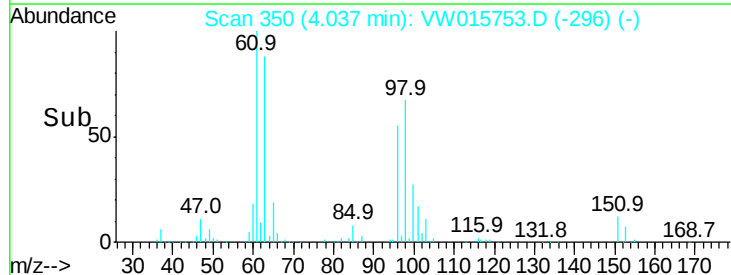
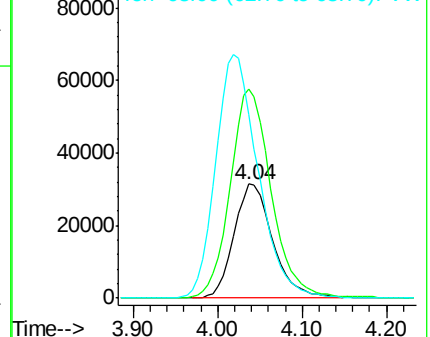
63 160.5 92.3 171.5

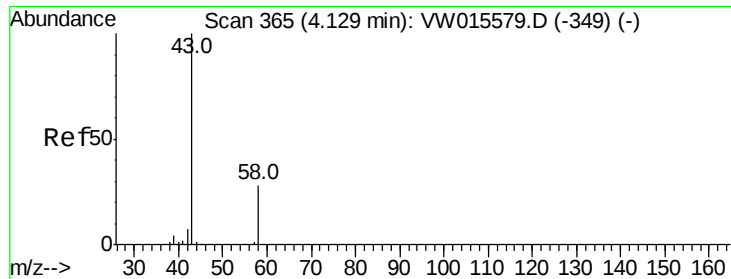


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.216 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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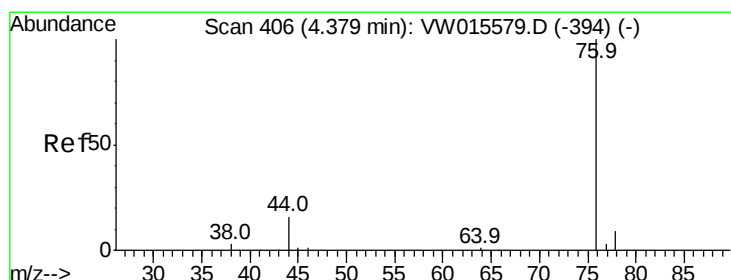
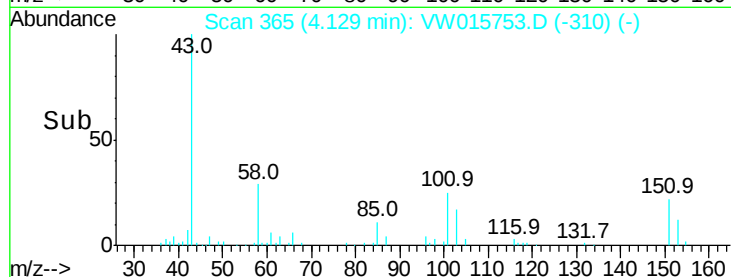
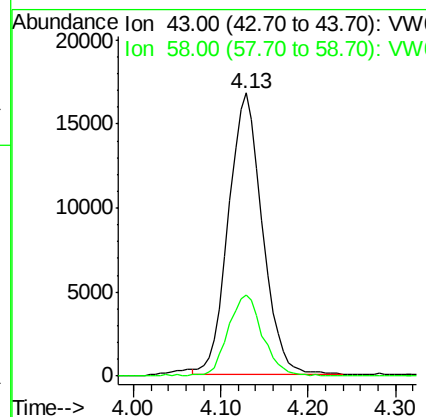
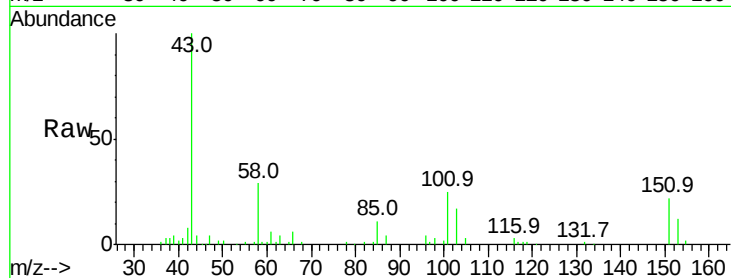
VSTD02506

Tgt Ion: 43 Resp: 45033

Ion Ratio Lower Upper

43 100

58 29.7 0.0 56.8



#14

Carbon disulfide

Concen: 23.423 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015753.D

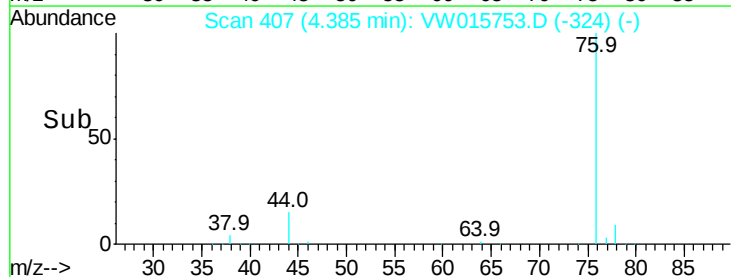
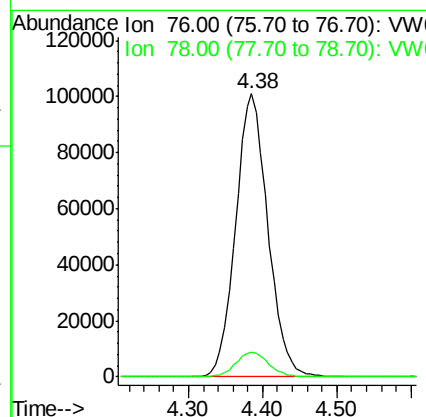
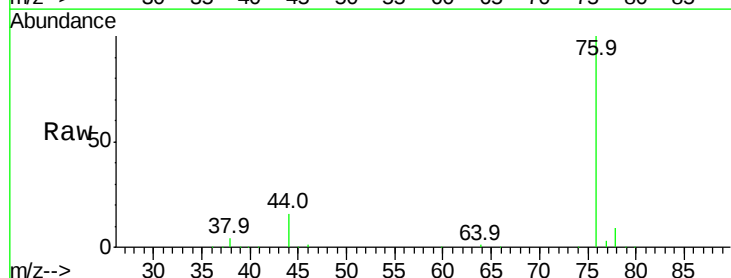
Acq: 29 Jun 2020 10:31

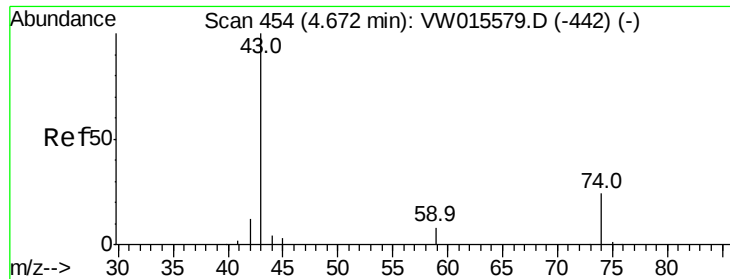
Tgt Ion: 76 Resp: 306350

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

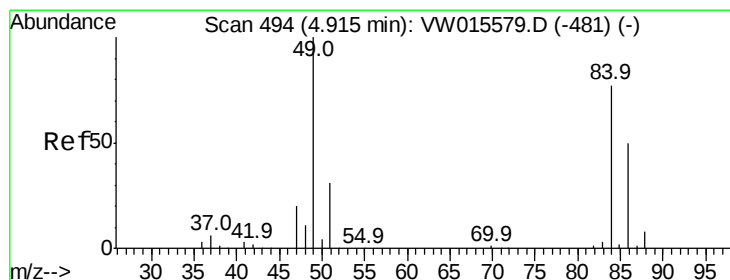
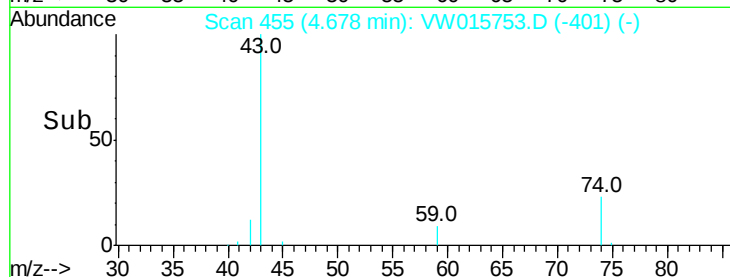
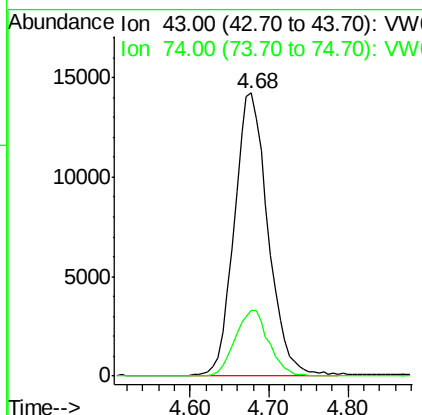
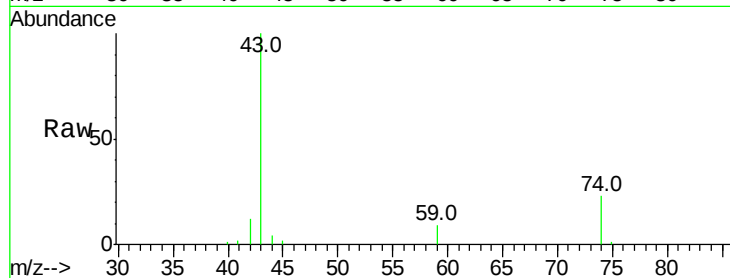




#15
Methyl Acetate
Concen: 25.793 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

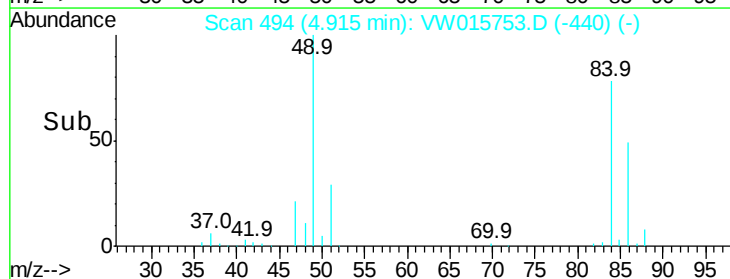
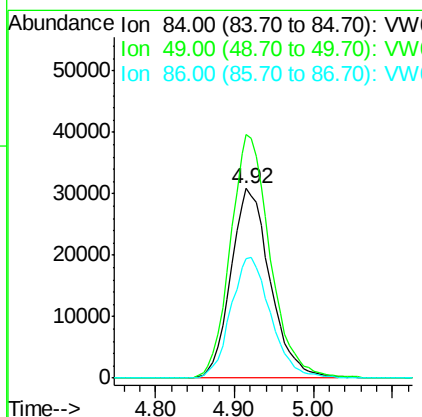
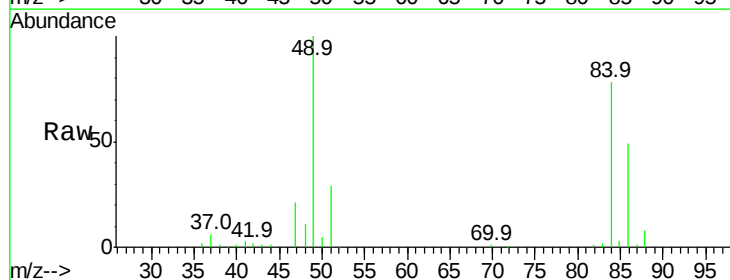
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

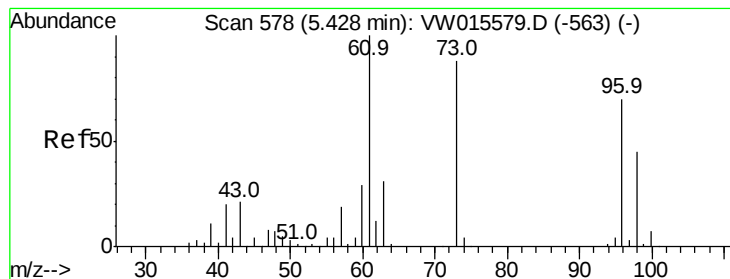
Tgt Ion: 43 Resp: 42437
Ion Ratio Lower Upper
43 100
74 23.0 18.2 27.2



#16
Methylene chloride
Concen: 26.547 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 84 Resp: 107126
Ion Ratio Lower Upper
84 100
49 128.6 93.0 172.8
86 62.9 44.7 83.1





#17

Methyl tert-butyl Ether

Concen: 24.006 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

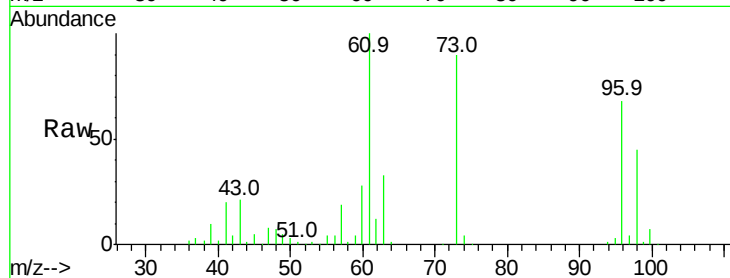
Tgt Ion: 73 Resp: 149353

Ion Ratio Lower Upper

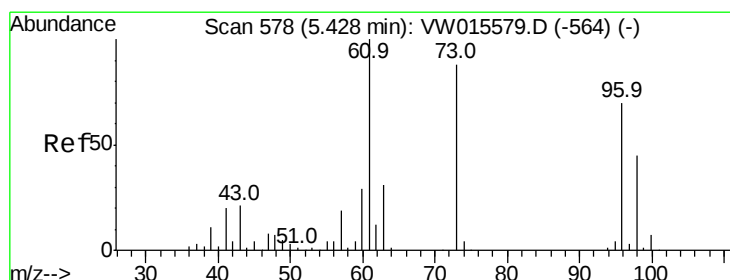
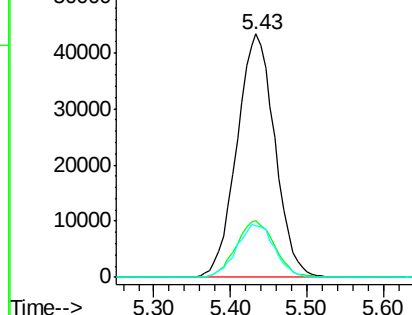
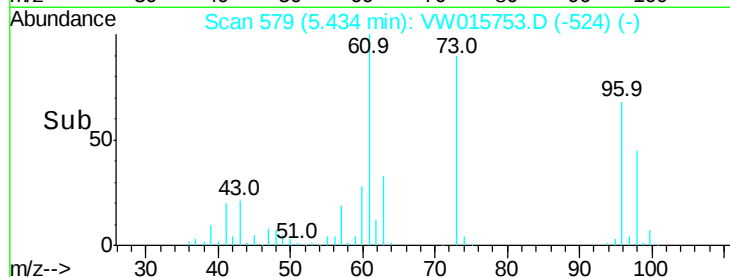
73 100

43 23.7 19.6 29.4

57 21.6 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 24.923 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

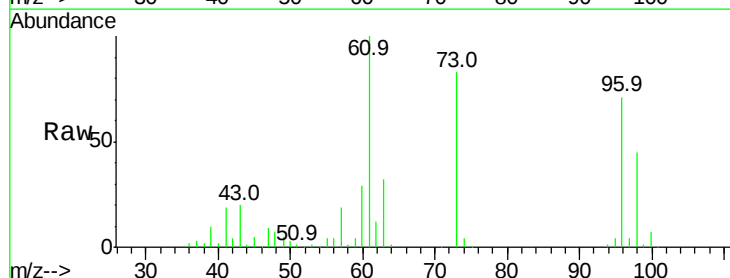
Tgt Ion: 96 Resp: 104713

Ion Ratio Lower Upper

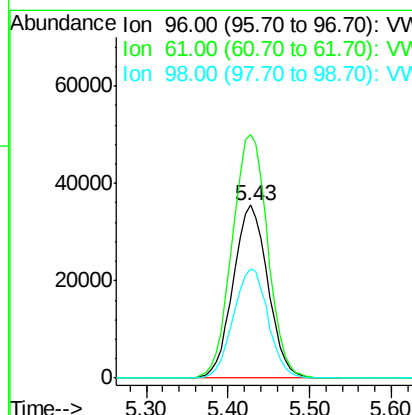
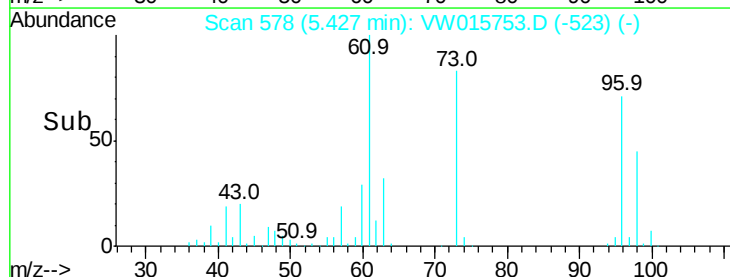
96 100

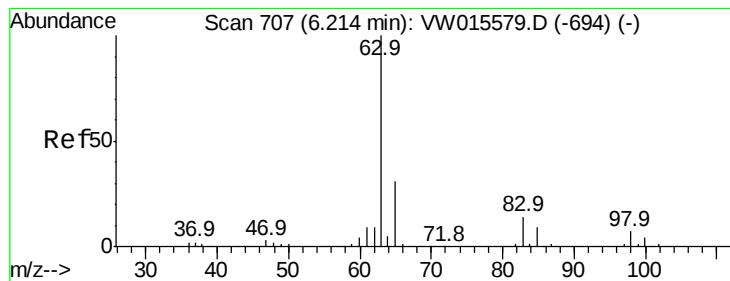
61 140.7 101.9 189.3

98 63.4 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.690 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

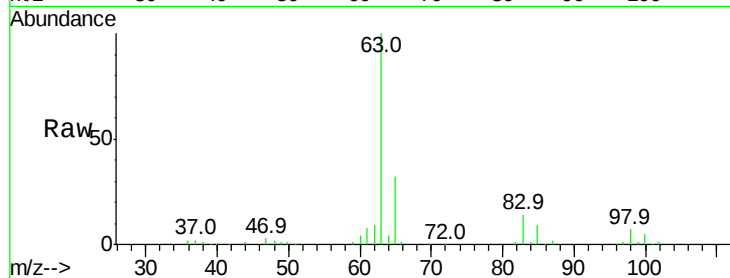
Tgt Ion: 63 Resp: 186584

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

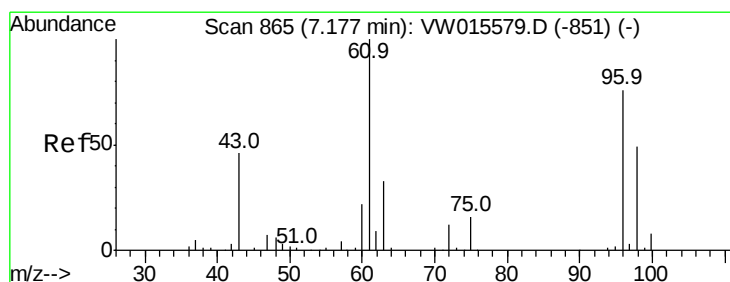
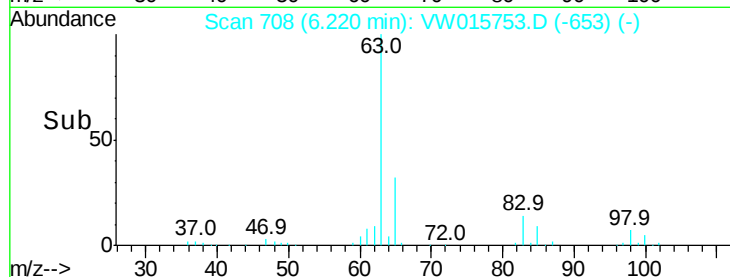
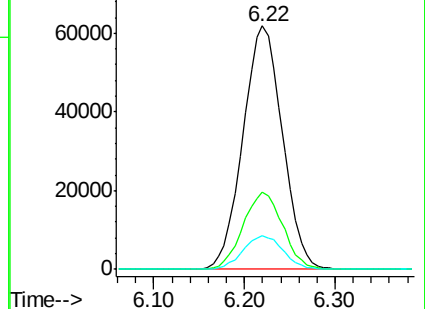
83 13.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 48.667 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015753.D

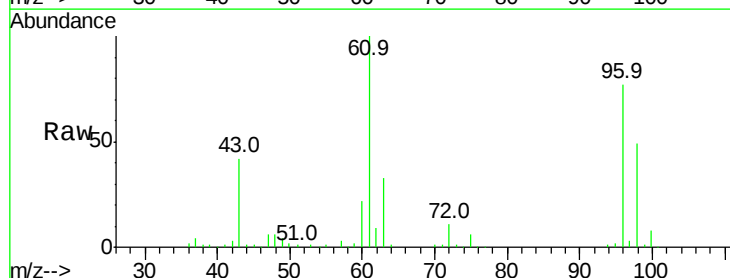
Acq: 29 Jun 2020 10:31

Tgt Ion: 43 Resp: 56855

Ion Ratio Lower Upper

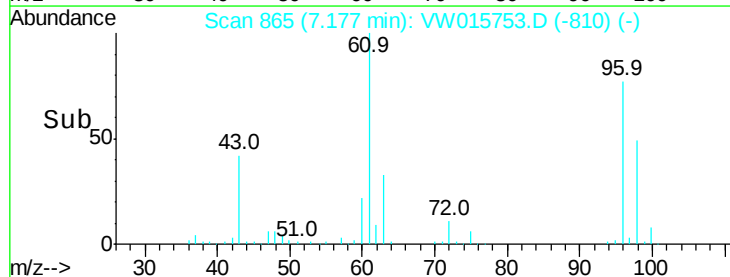
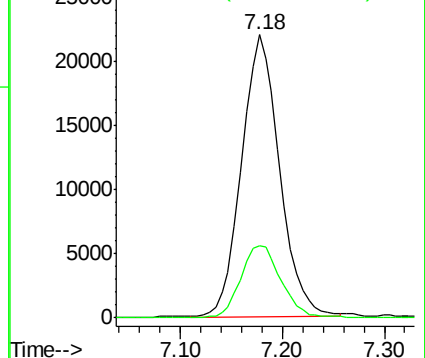
43 100

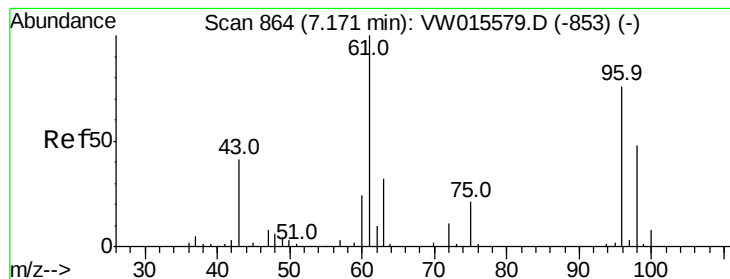
72 27.4 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 24.968 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

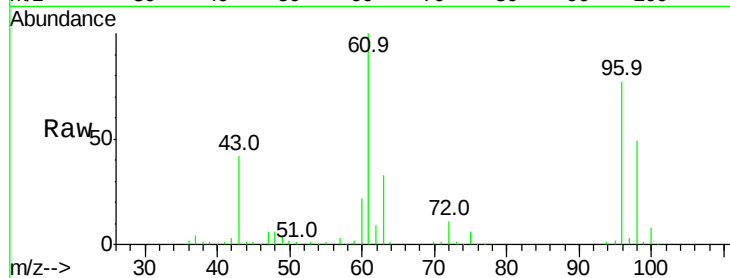
Tgt Ion: 96 Resp: 109436

Ion Ratio Lower Upper

96 100

61 129.7 93.7 173.9

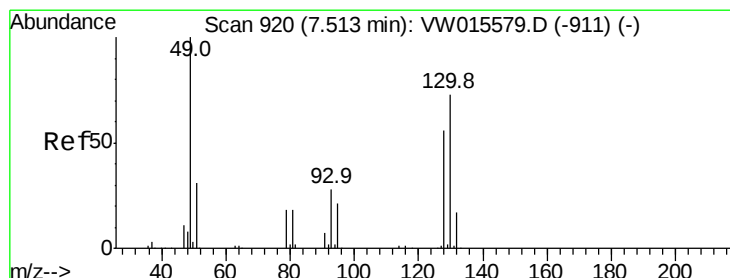
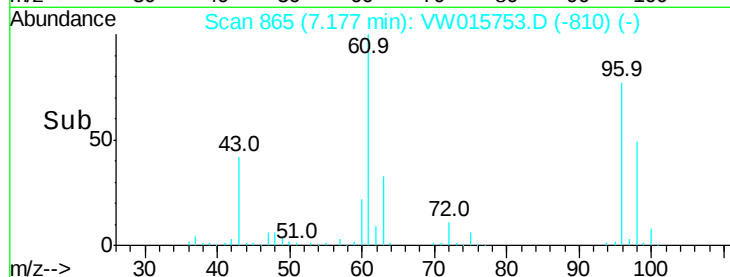
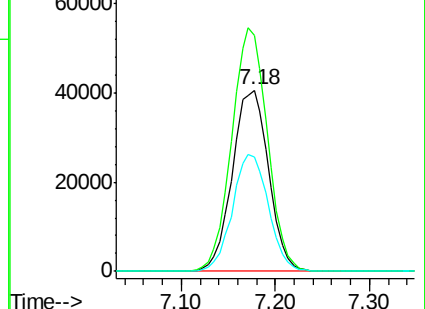
98 63.0 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 25.328 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Tgt Ion: 128 Resp: 47870

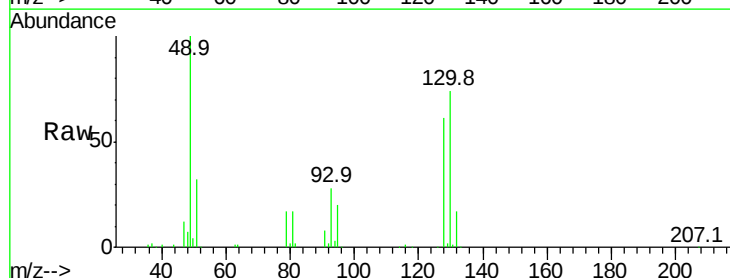
Ion Ratio Lower Upper

128 100

49 164.3 118.1 219.3

130 121.6 88.5 164.3

51 53.3 42.8 64.2

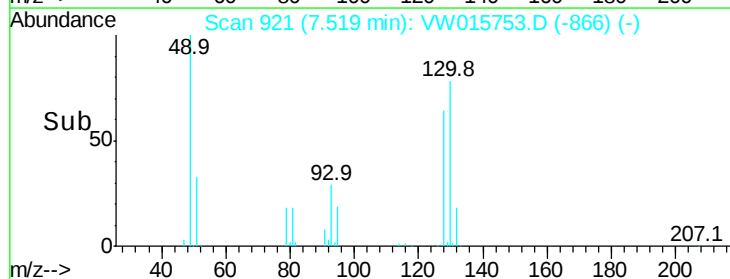
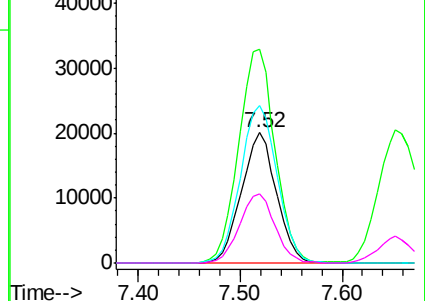


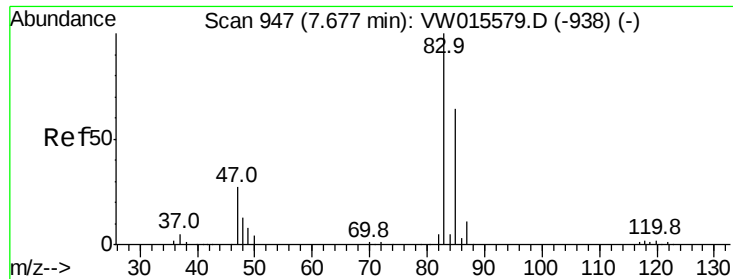
Abundance Ion 128.00 (127.70 to 128.70): V

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

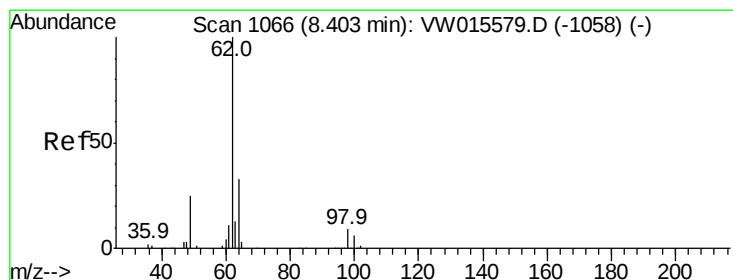
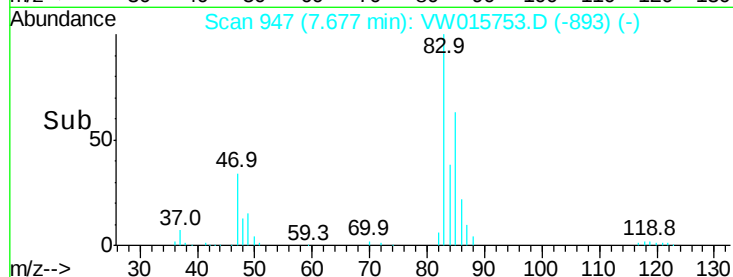
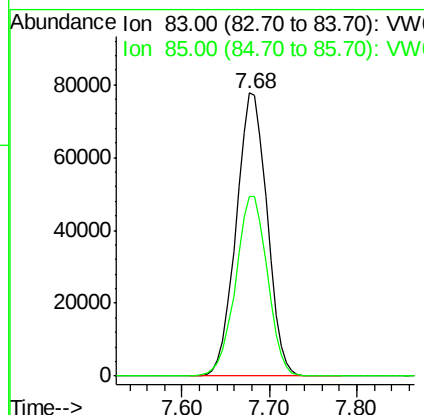
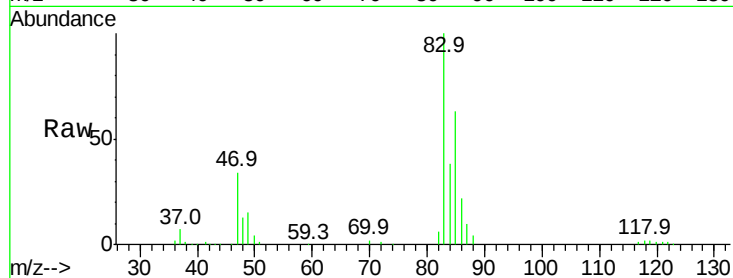




#25
Chloroform
Concen: 25.160 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

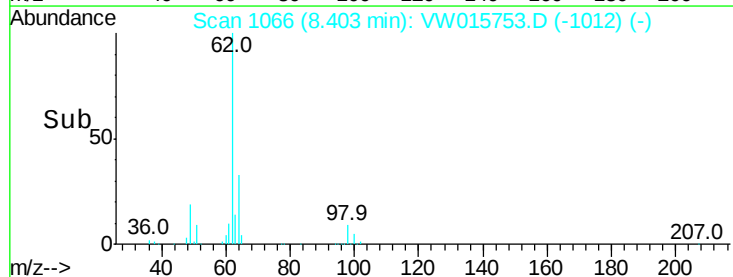
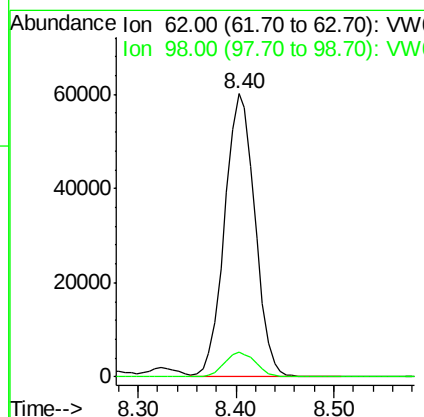
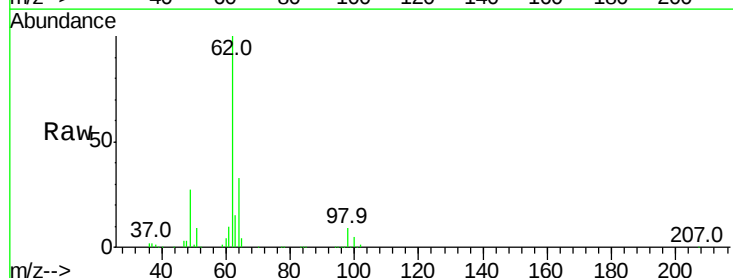
Instrument :
MSVOA_W
ClientSampled :
VSTD02506

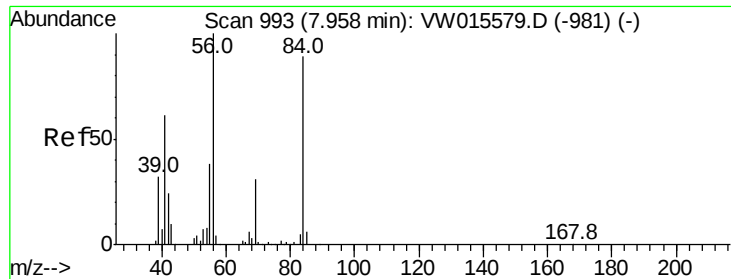
Tgt Ion: 83 Resp: 191450
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.088 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 62 Resp: 129148
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

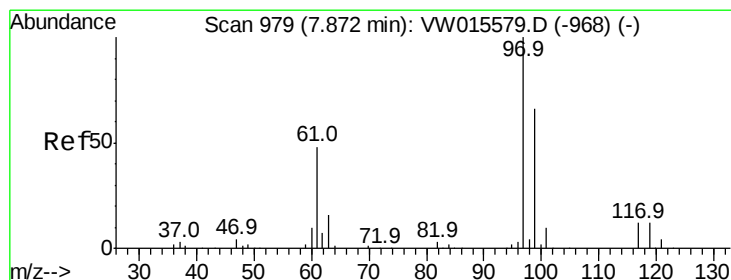
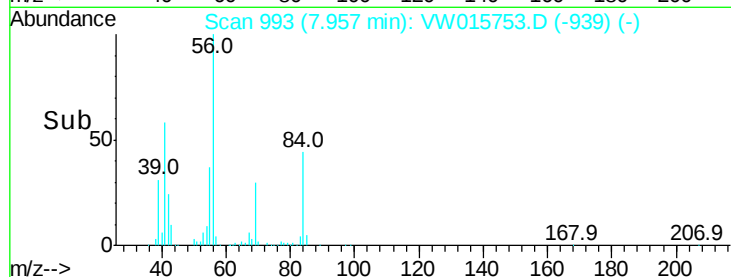
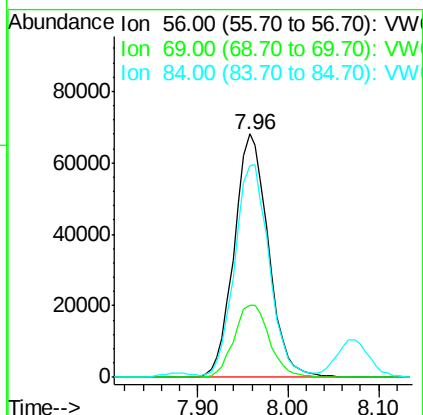
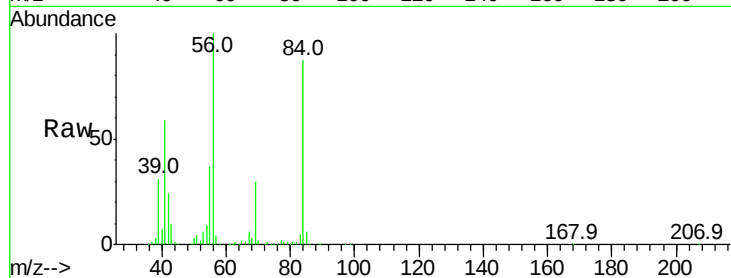




#30
Cyclohexane
Concen: 23.980 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

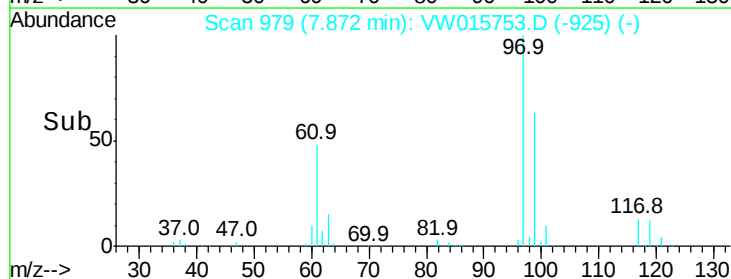
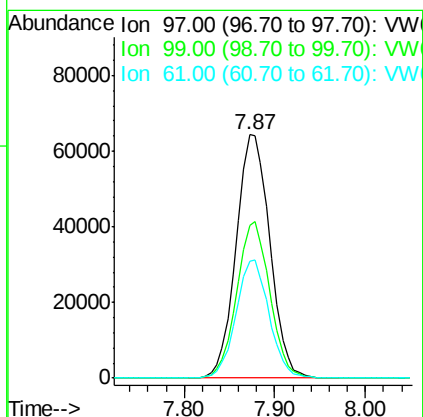
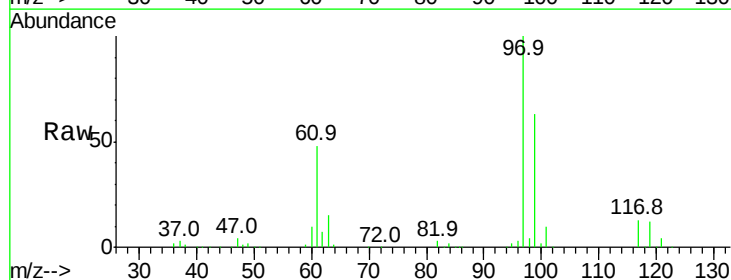
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

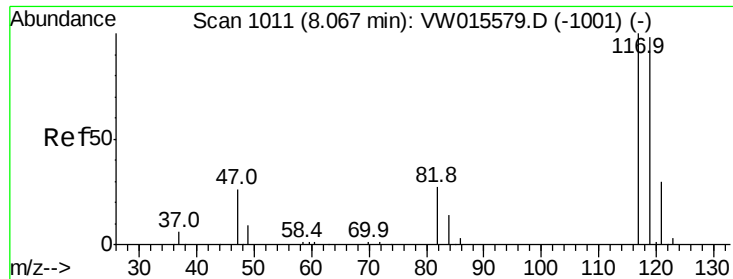
Tgt Ion: 56 Resp: 178299
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.9 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 24.789 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 97 Resp: 166809
Ion Ratio Lower Upper
97 100
99 63.1 51.4 77.0
61 47.4 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.506 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

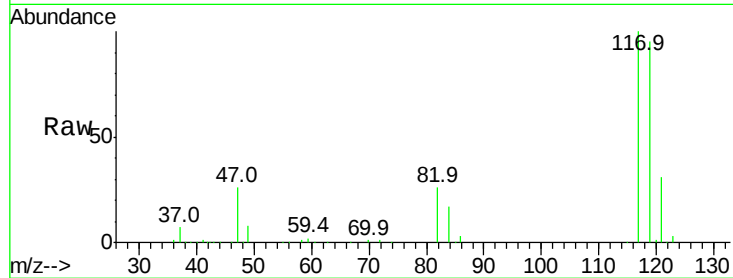
VSTD02506

Tgt Ion:117 Resp: 151254

Ion Ratio Lower Upper

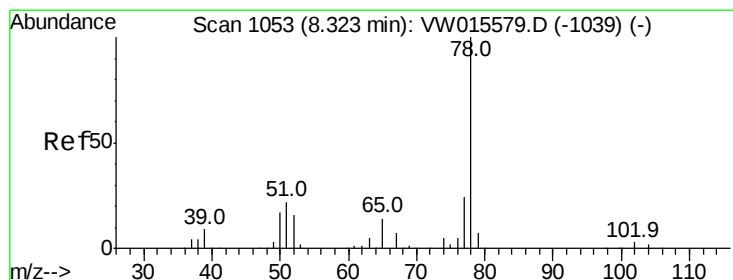
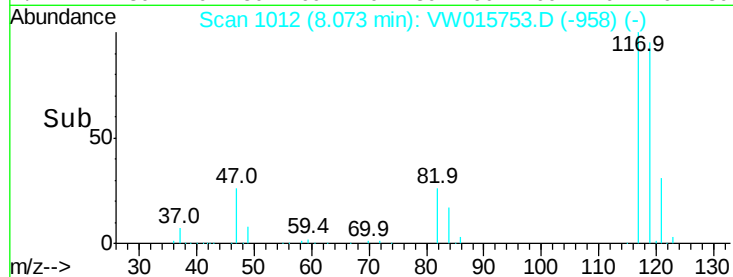
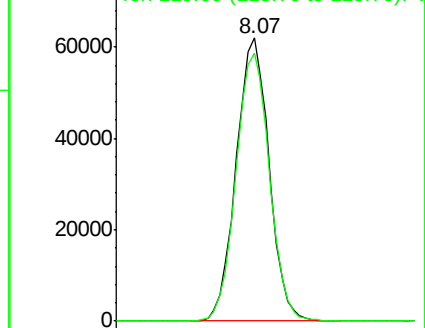
117 100

119 96.2 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.184 ug/L

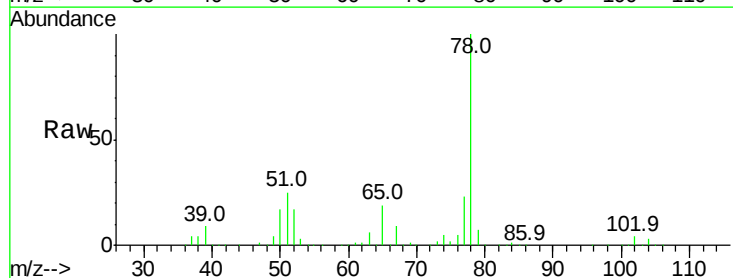
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

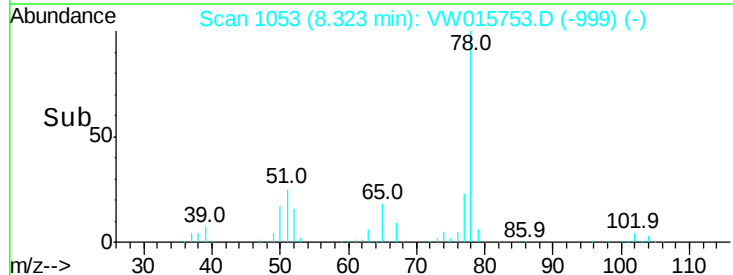
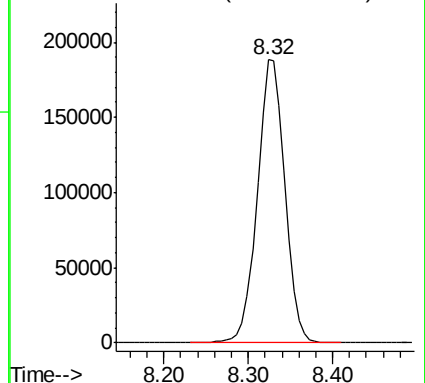
Lab File: VW015753.D

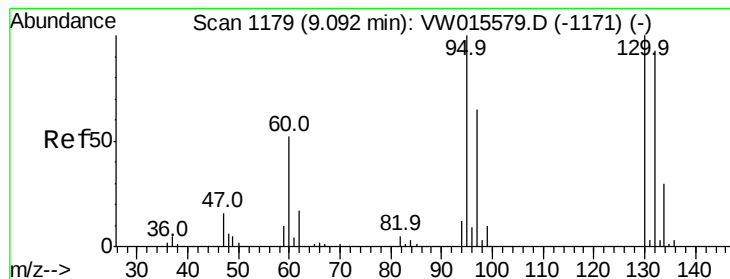
Acq: 29 Jun 2020 10:31

Tgt Ion: 78 Resp: 423624



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.739 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

Tgt Ion: 95 Resp: 111781

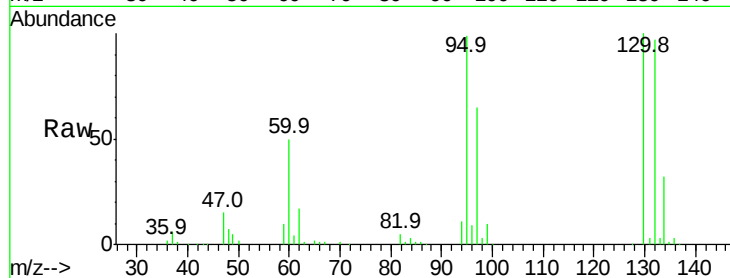
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 96.9 67.1 124.7

130 100.1 69.4 128.8



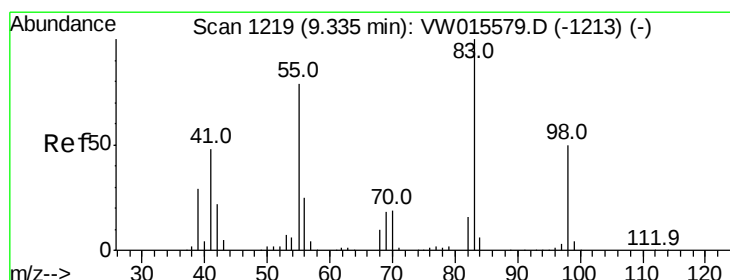
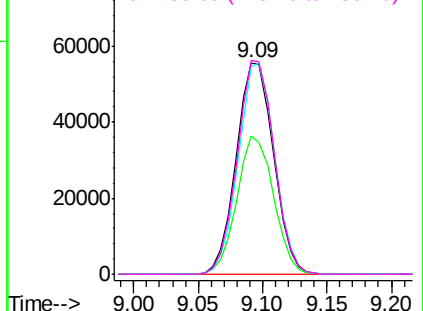
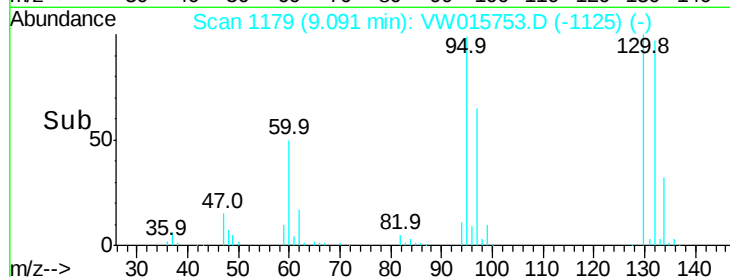
Abundance

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



#36

Methylcyclohexane

Concen: 24.433 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

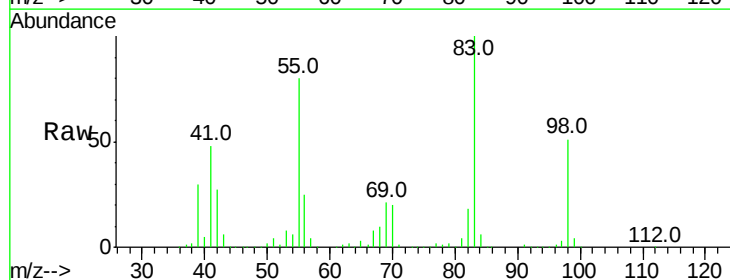
Tgt Ion: 83 Resp: 196900

Ion Ratio Lower Upper

83 100

55 78.4 62.8 94.2

98 49.3 39.2 58.8

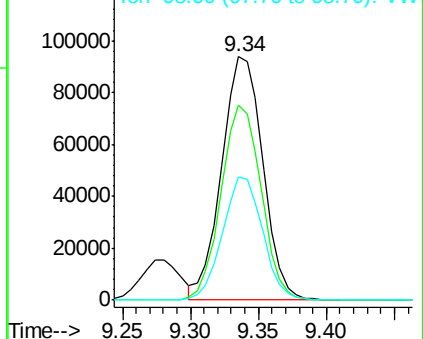
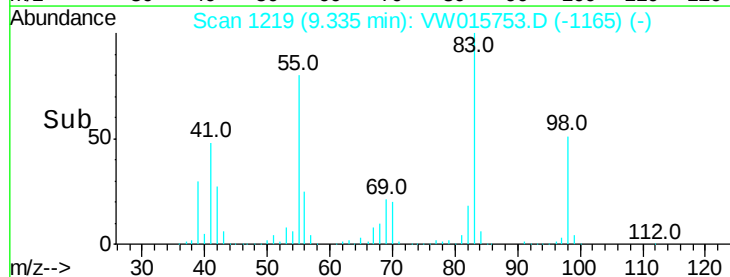


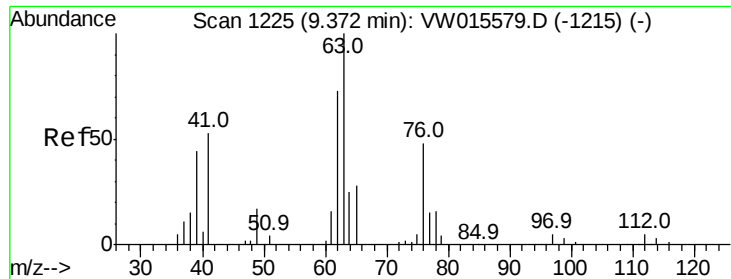
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

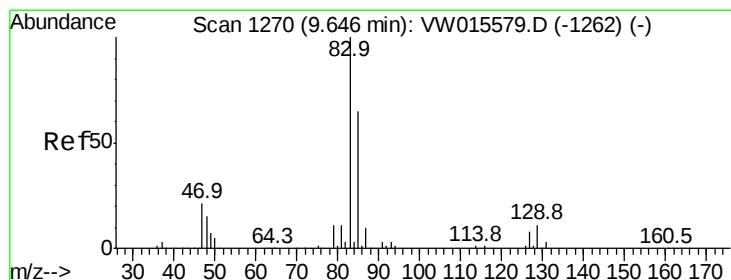
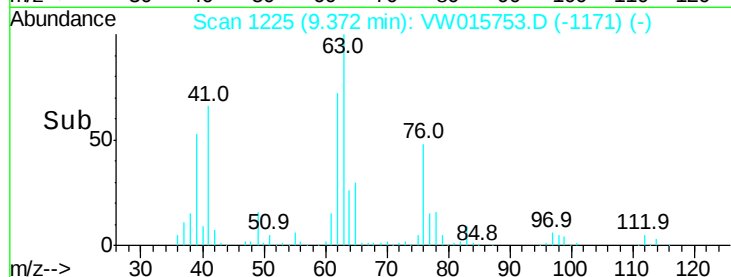
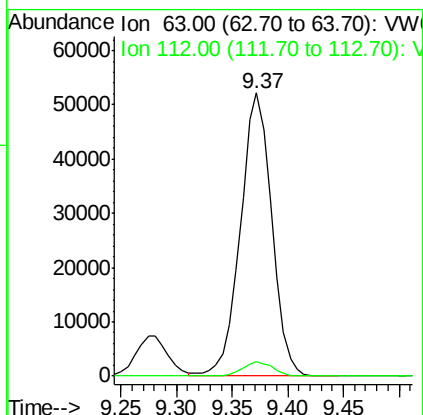
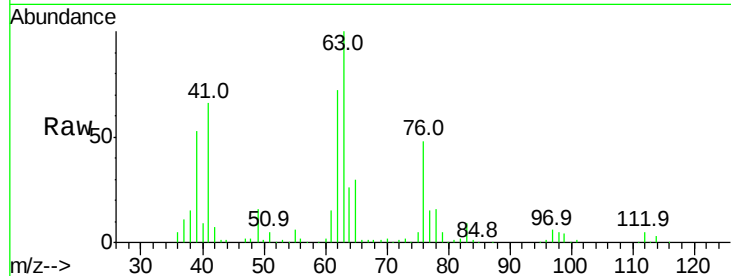




#40
 1,2-Dichloropropane
 Concen: 24.628 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

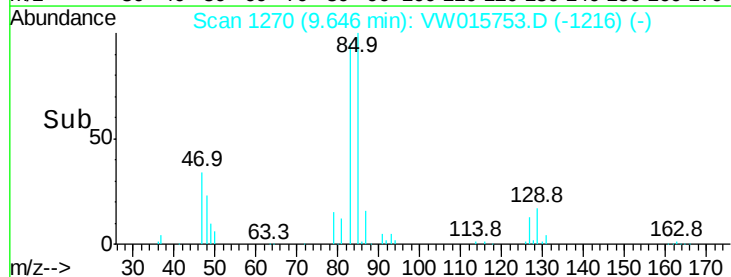
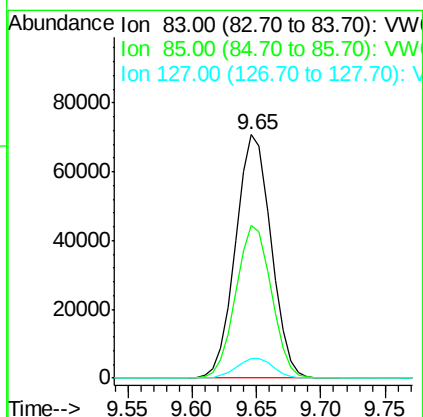
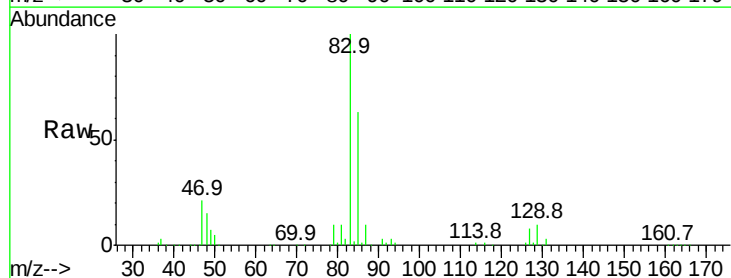
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

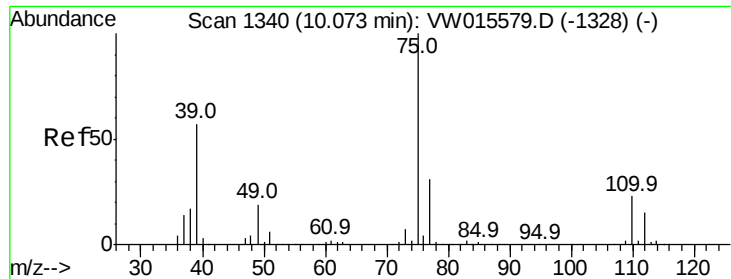
Tgt Ion: 63 Resp: 102019
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.418 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

Tgt Ion: 83 Resp: 135132
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.8 83.2
 127 8.3 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.313 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

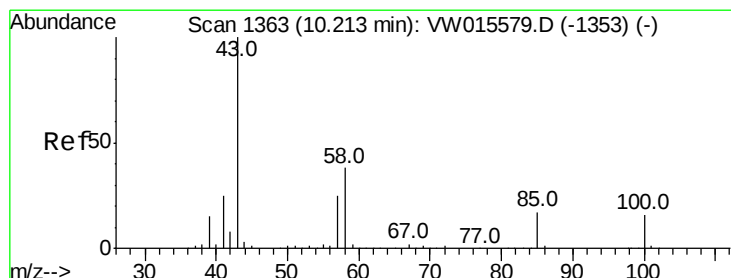
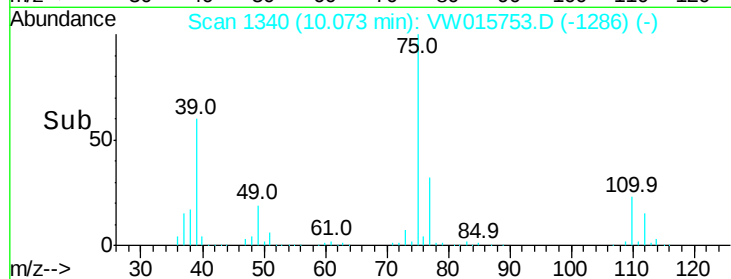
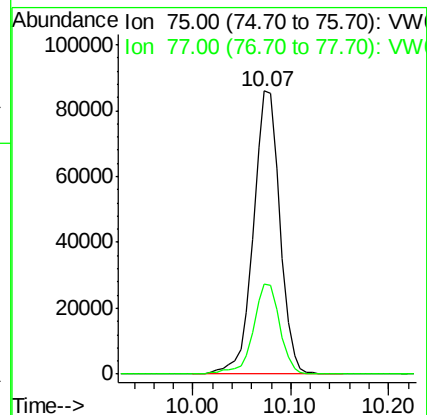
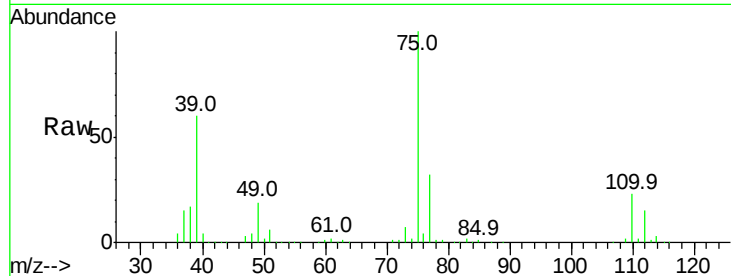
VSTD02506

Tgt Ion: 75 Resp: 161169

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 49.125 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

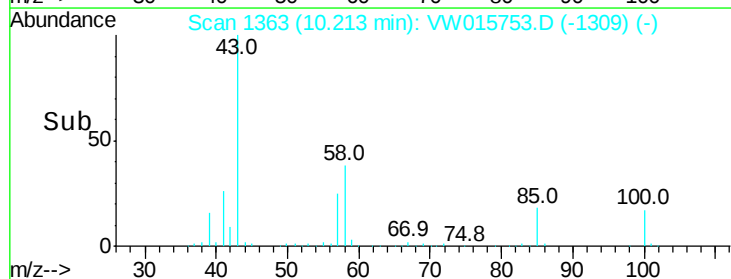
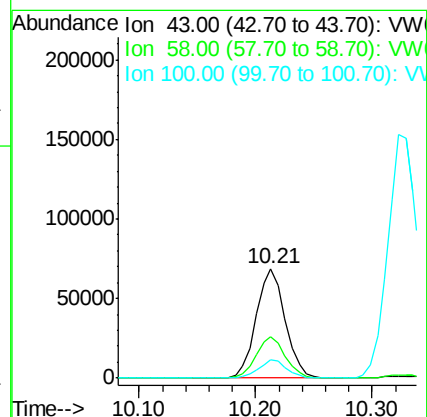
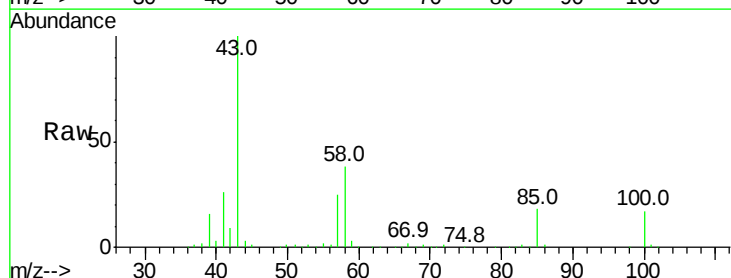
Tgt Ion: 43 Resp: 119287

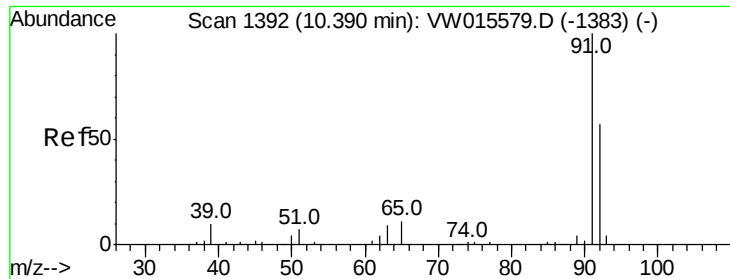
Ion Ratio Lower Upper

43 100

58 37.9 30.6 46.0

100 16.0 12.5 18.7





#44

Toluene

Concen: 25.559 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

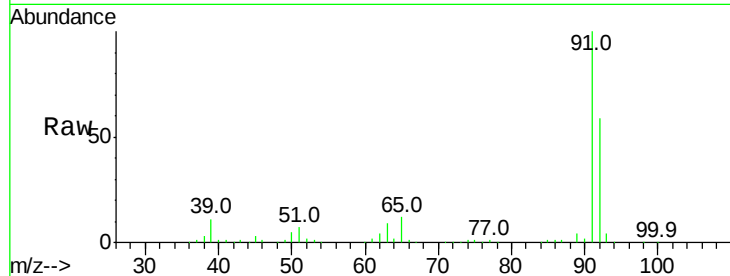
VSTD02506

Tgt Ion: 91 Resp: 468415

Ion Ratio Lower Upper

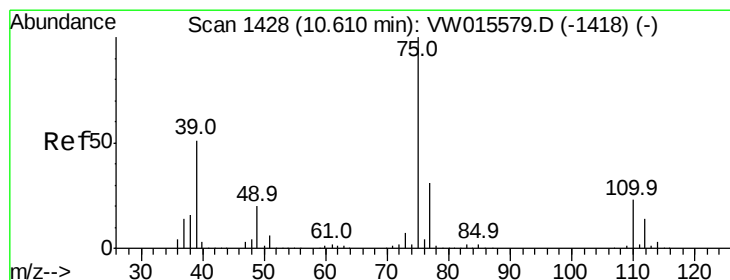
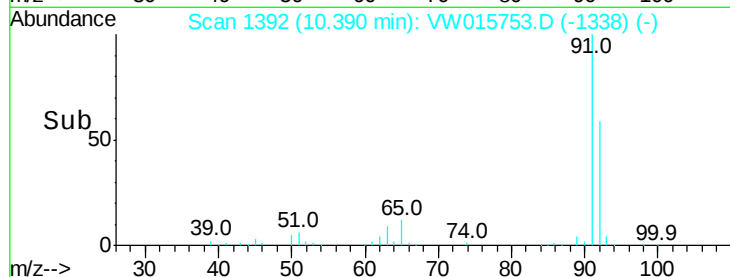
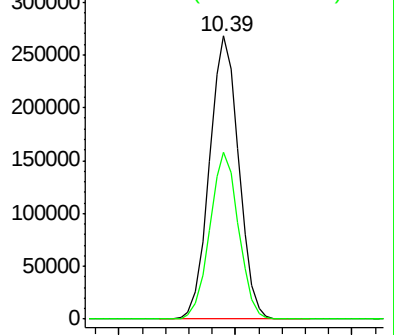
91 100

92 59.0 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 24.509 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015753.D

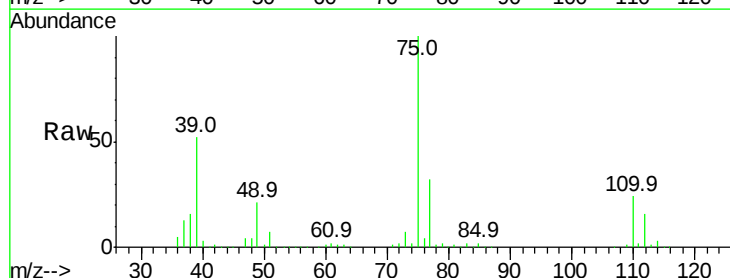
Acq: 29 Jun 2020 10:31

Tgt Ion: 75 Resp: 141388

Ion Ratio Lower Upper

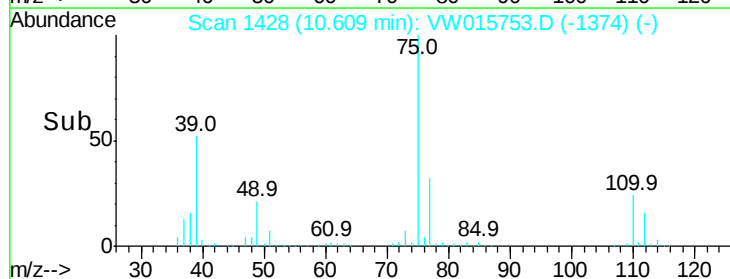
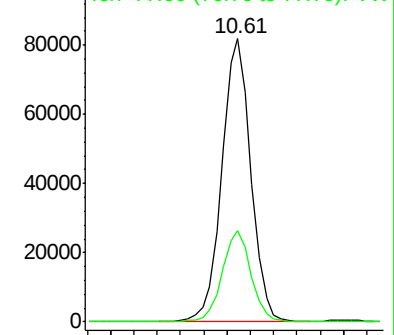
75 100

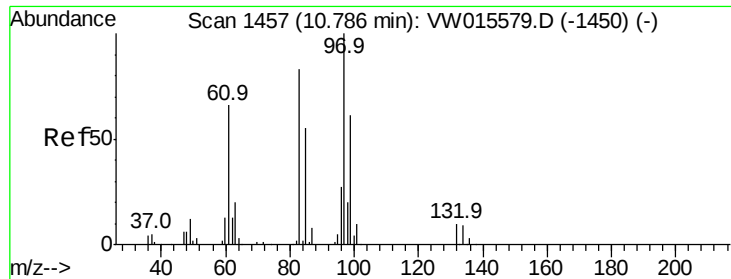
77 32.1 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

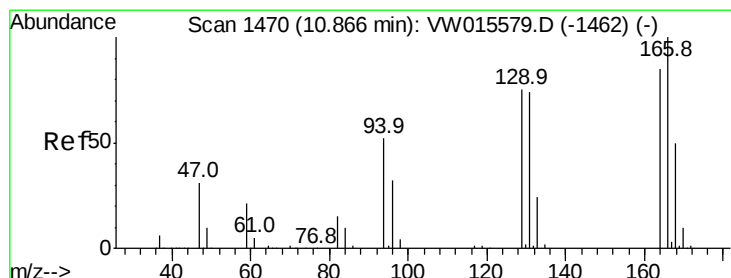
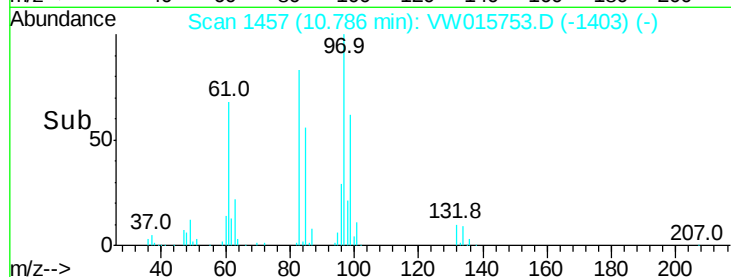
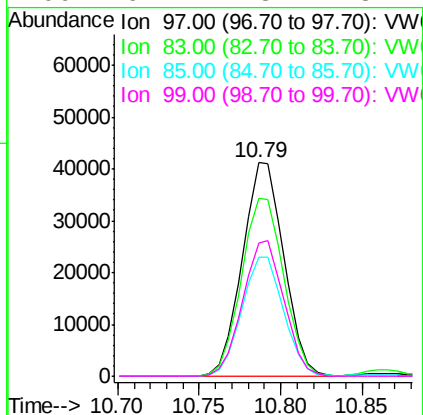
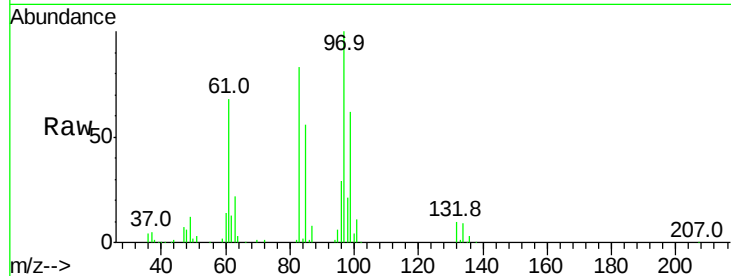




#46
1,1,2-Trichloroethane
Concen: 25.239 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

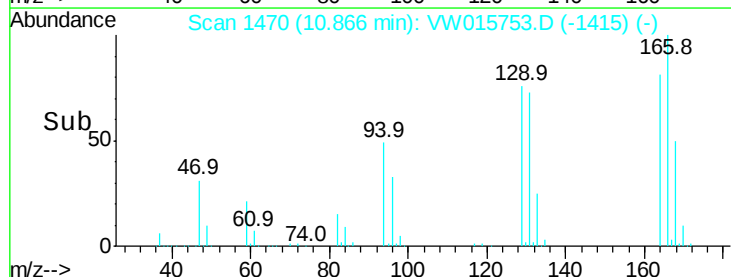
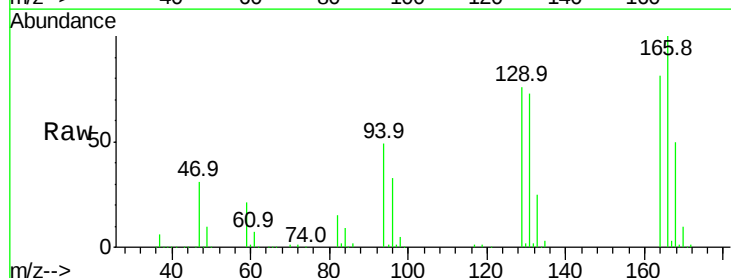
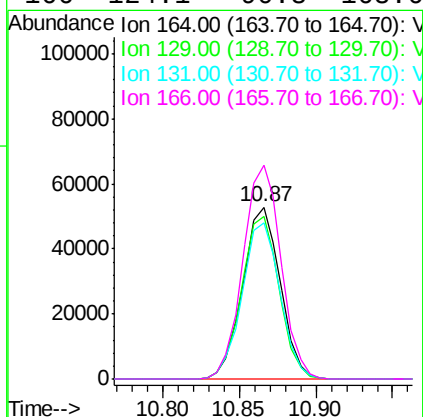
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

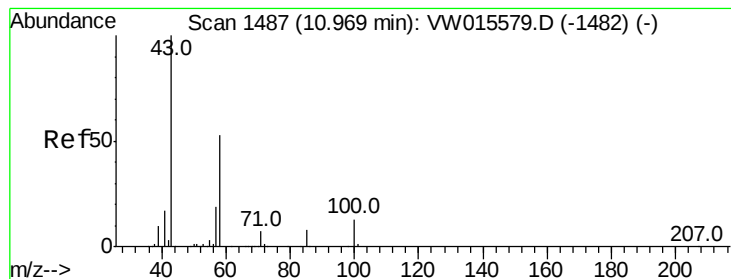
Tgt Ion: 97 Resp: 73144
Ion Ratio Lower Upper
97 100
83 83.4 58.2 108.2
85 56.0 37.4 69.4
99 62.1 43.7 81.1



#47
Tetrachloroethene
Concen: 25.222 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 164 Resp: 90339
Ion Ratio Lower Upper
164 100
129 94.5 66.3 123.1
131 90.8 65.1 120.9
166 124.1 90.8 168.6

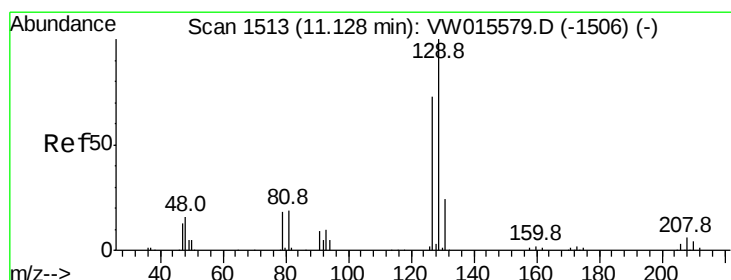
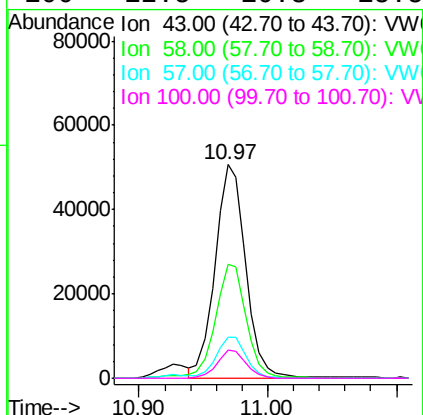
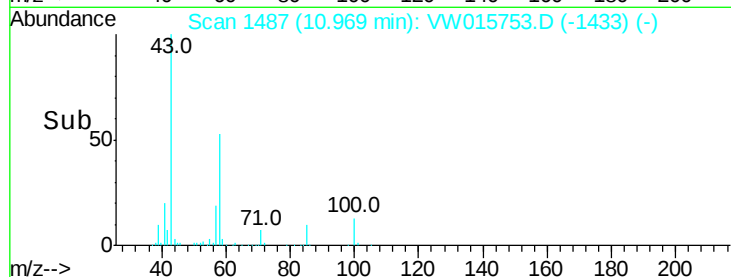
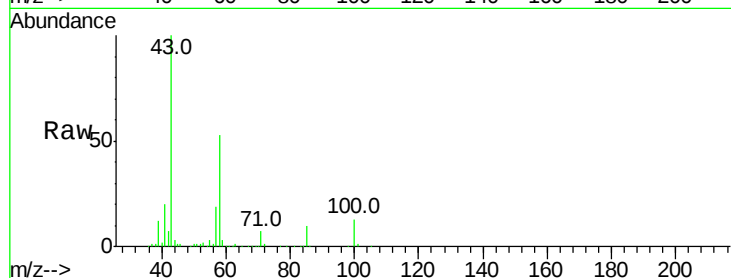




#49
2-Hexanone
Concen: 51.844 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

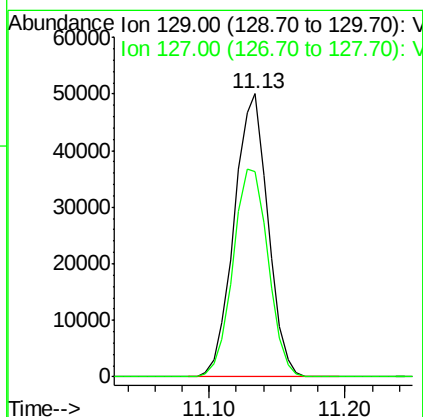
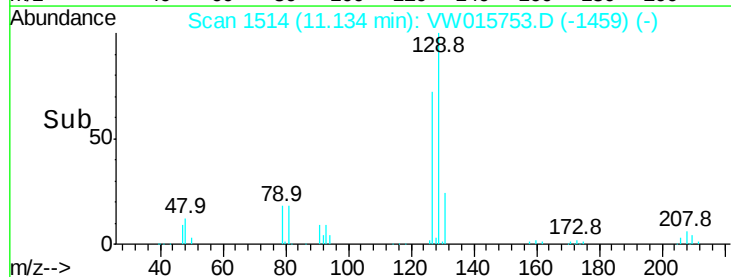
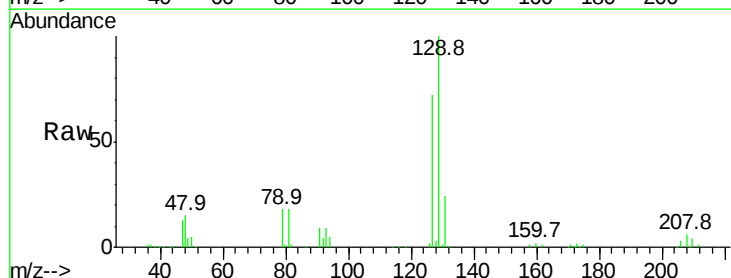
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

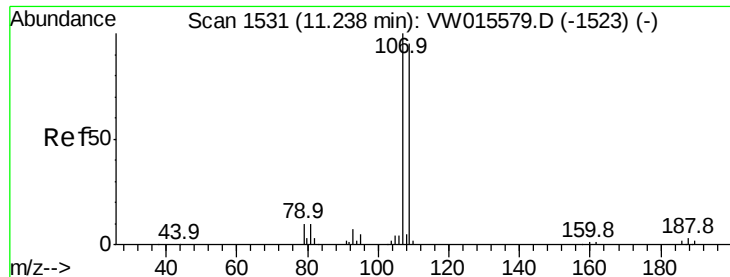
Tgt Ion: 43 Resp: 84974
Ion Ratio Lower Upper
43 100
58 54.4 42.6 64.0
57 19.2 15.5 23.3
100 12.5 10.3 15.5



#50
Dibromochloromethane
Concen: 24.662 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 129 Resp: 86834
Ion Ratio Lower Upper
129 100
127 72.4 53.0 98.4

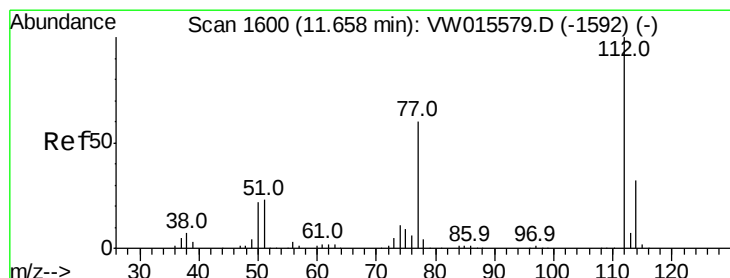
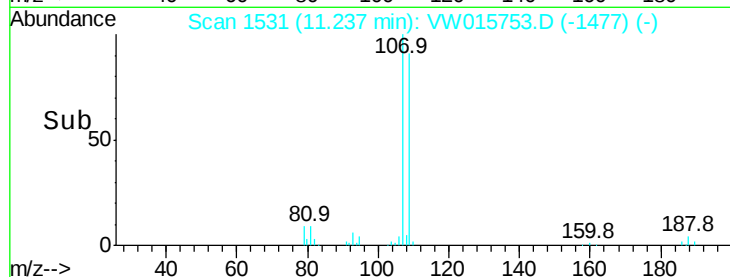
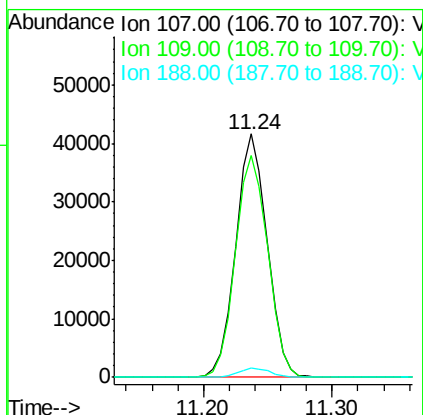
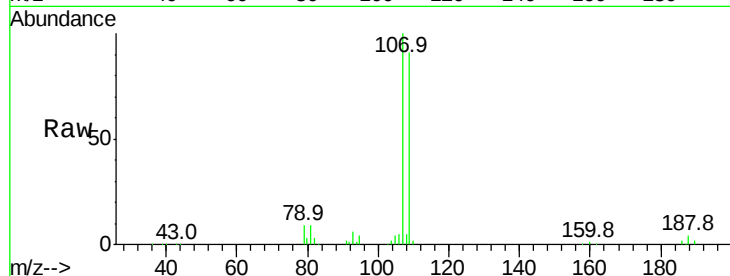




#51
1,2-Dibromoethane
Concen: 25.321 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

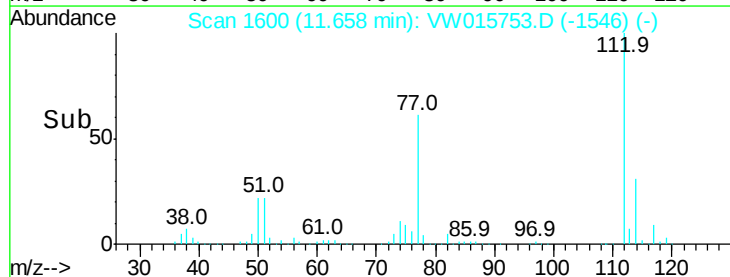
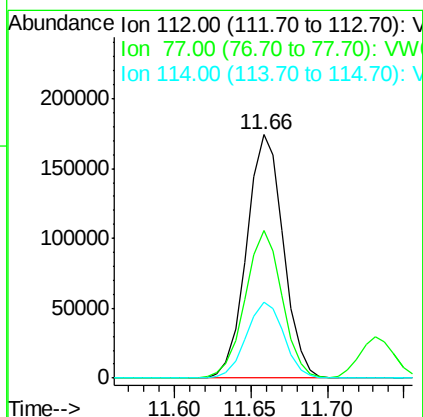
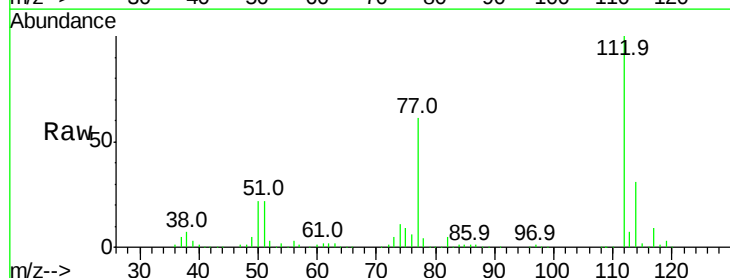
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

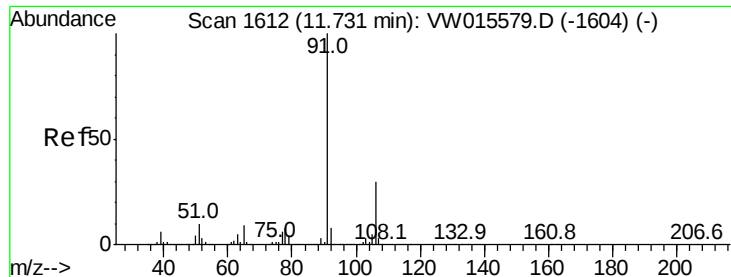
Tgt Ion:107 Resp: 70448
Ion Ratio Lower Upper
107 100
109 91.4 64.6 120.0
188 3.9 2.8 4.2



#52
Chlorobenzene
Concen: 25.308 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion:112 Resp: 290928
Ion Ratio Lower Upper
112 100
77 60.5 49.7 74.5
114 31.1 21.8 40.6

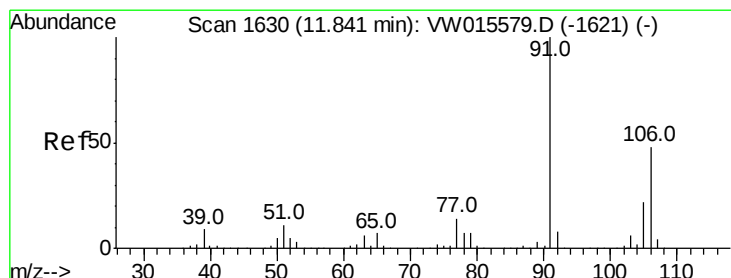
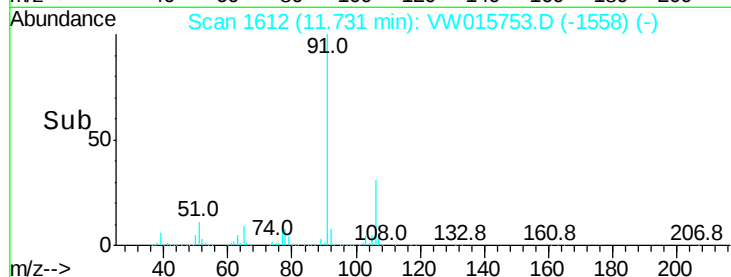
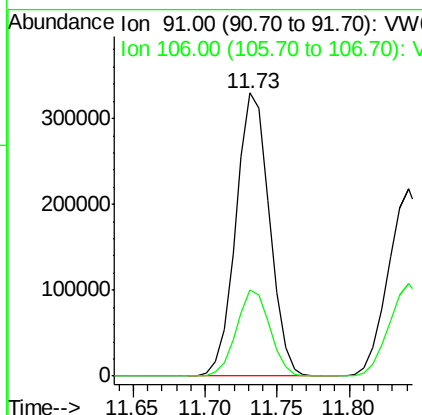
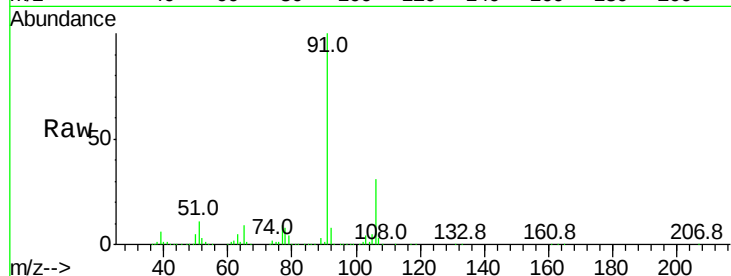




#53
Ethylbenzene
Concen: 25.394 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

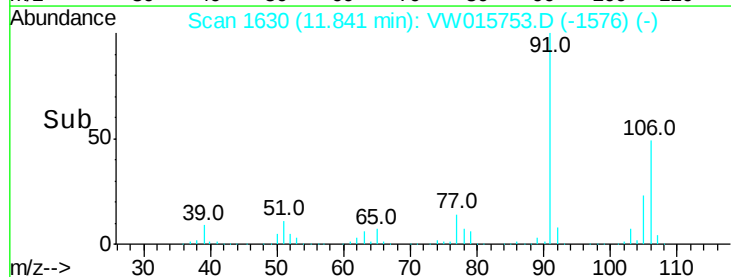
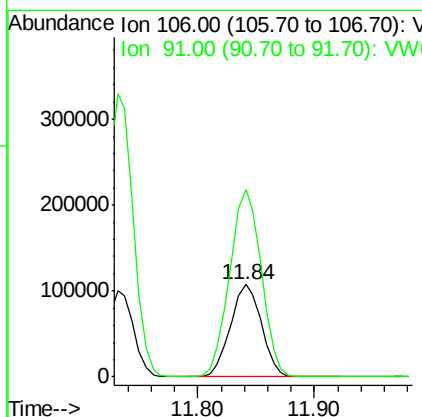
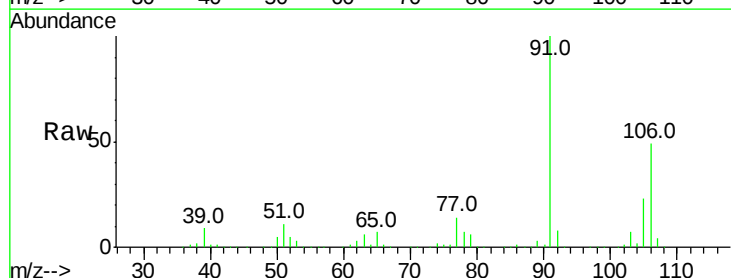
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

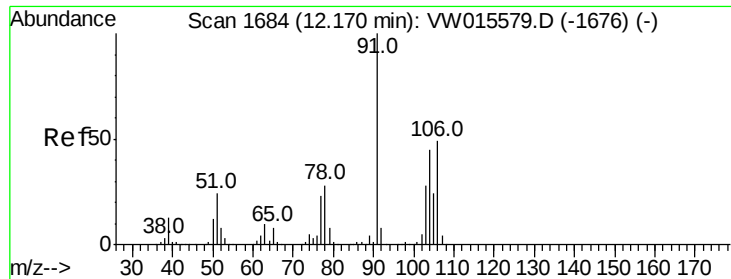
Tgt Ion: 91 Resp: 534388
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.6



#54
m,p-Xylene
Concen: 25.490 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015753.D
Acq: 29 Jun 2020 10:31

Tgt Ion: 106 Resp: 201280
Ion Ratio Lower Upper
106 100
91 202.2 142.6 264.8





#55

o-xylene

Concen: 25.383 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

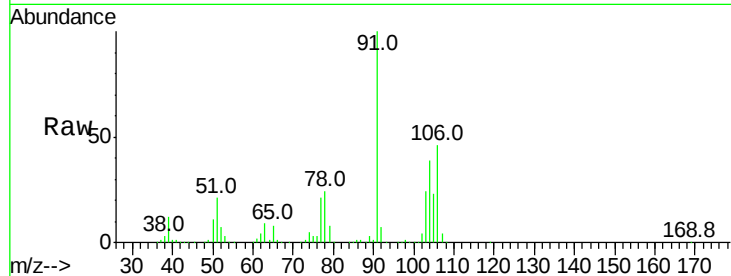
VSTD02506

Tgt Ion:106 Resp: 190260

Ion Ratio Lower Upper

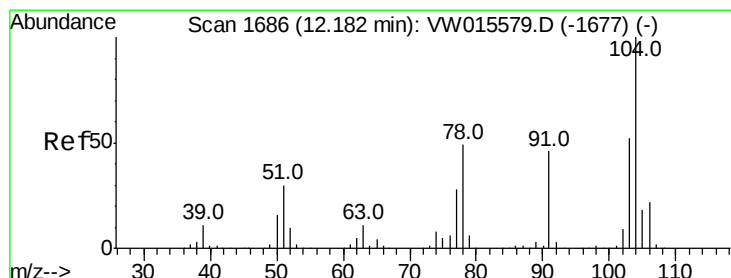
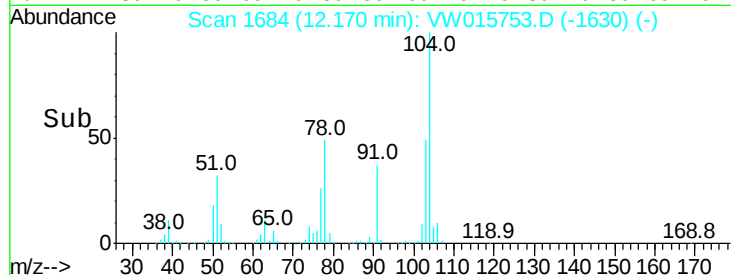
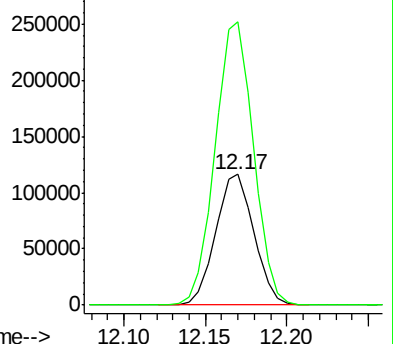
106 100

91 216.1 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.447 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015753.D

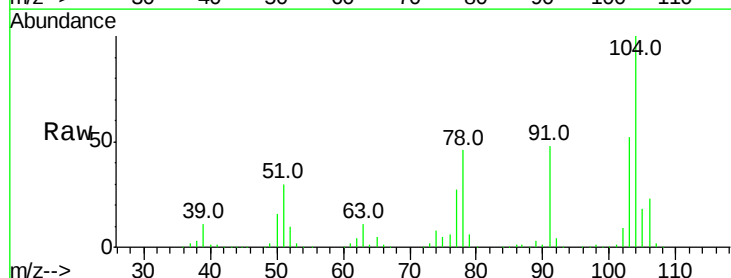
Acq: 29 Jun 2020 10:31

Tgt Ion:104 Resp: 325915

Ion Ratio Lower Upper

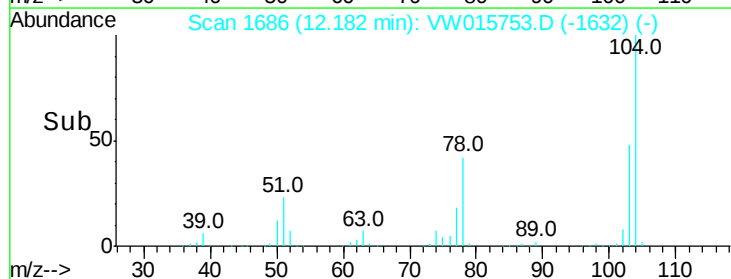
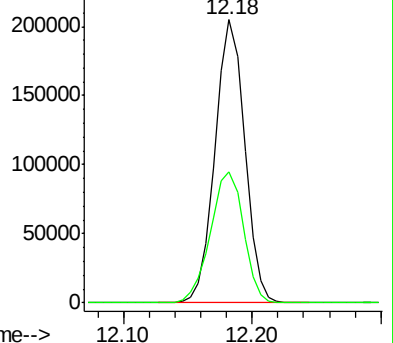
104 100

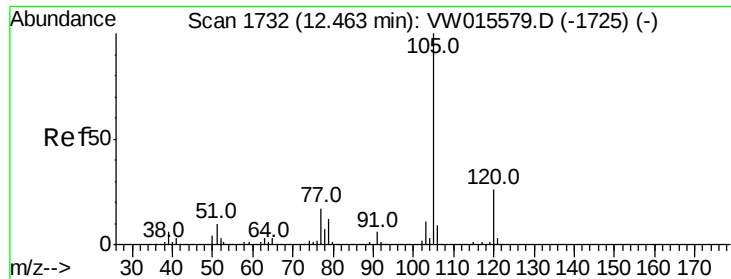
78 46.3 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.434 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

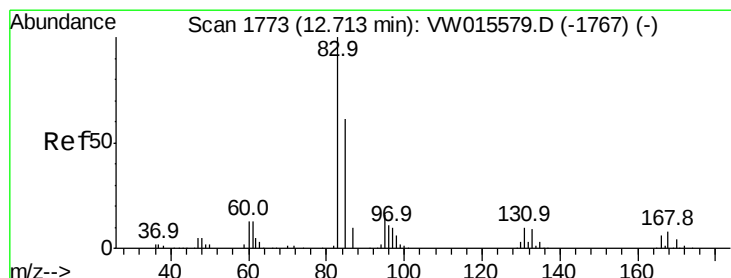
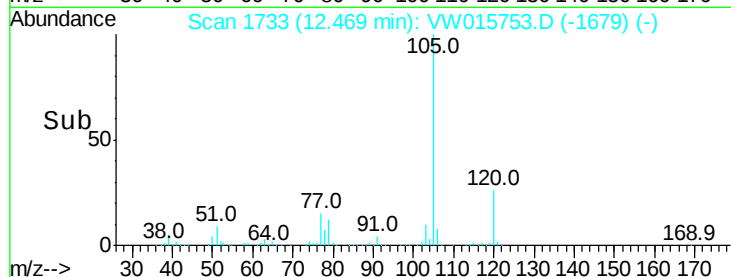
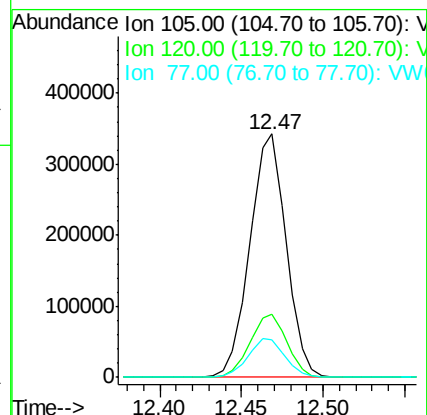
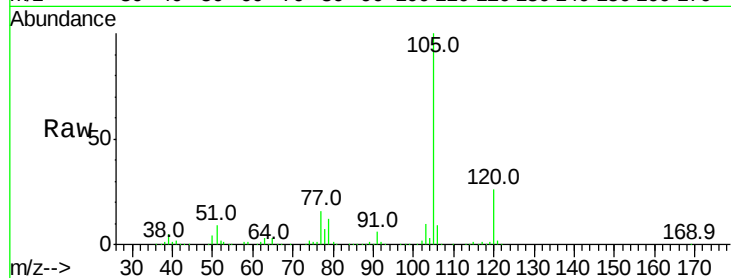
Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

Tgt Ion:	105	Resp:	531057
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.4
77	16.1	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 26.365 ug/L

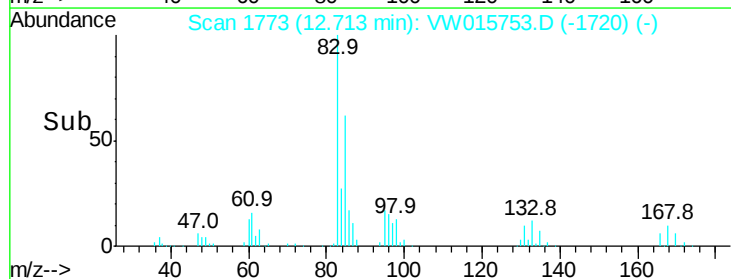
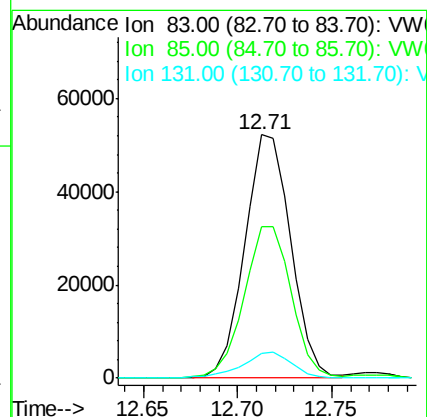
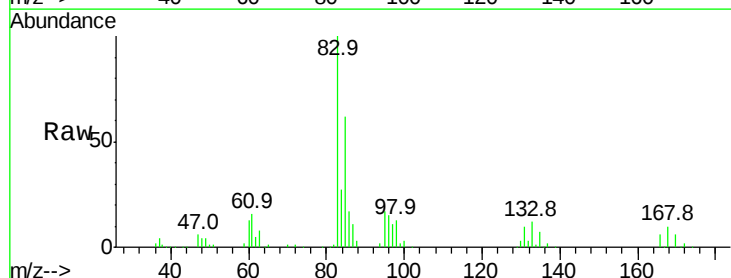
RT: 12.71 min Scan# 1773

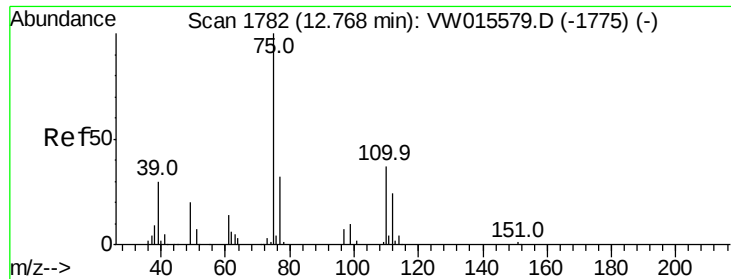
Delta R.T. -0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Tgt Ion:	83	Resp:	88460
Ion	Ratio	Lower	Upper
83	100		
85	62.2	44.7	82.9
131	10.3	9.1	13.7





#59

1,2,3-Trichloropropane

Concen: 25.796 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

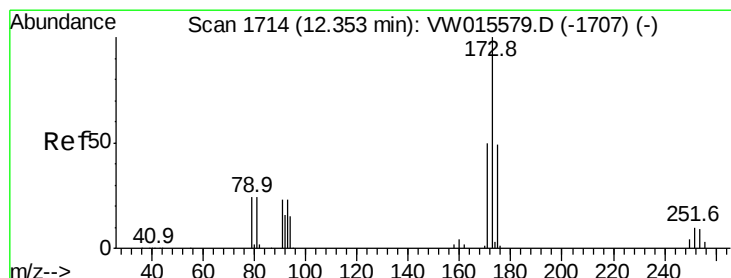
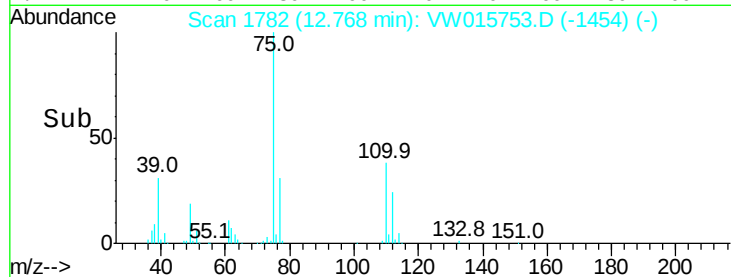
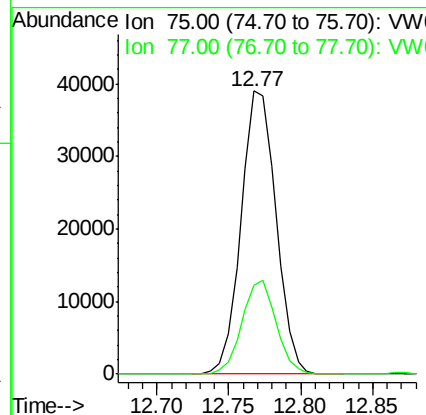
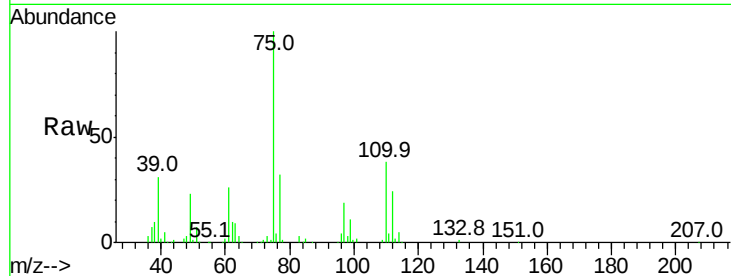
VSTD02506

Tgt Ion: 75 Resp: 65625

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#62

Bromoform

Concen: 23.341 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

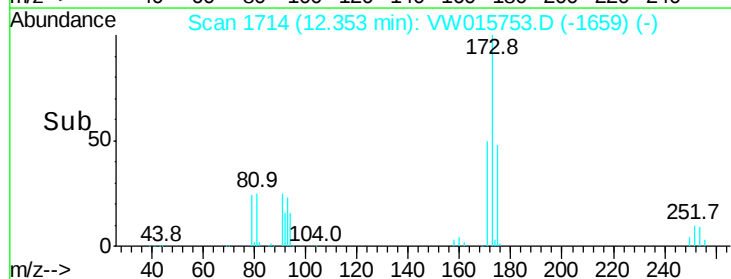
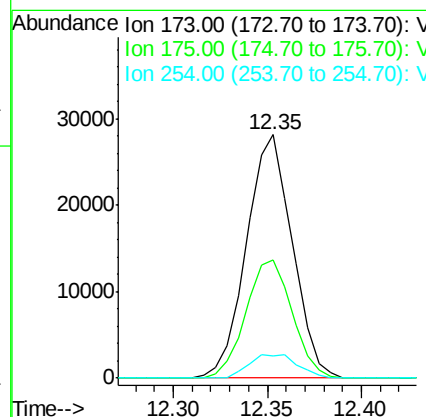
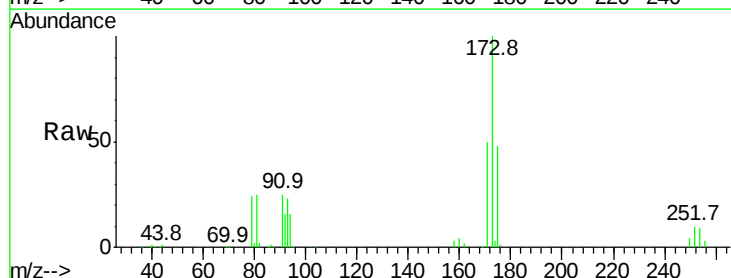
Tgt Ion: 173 Resp: 47419

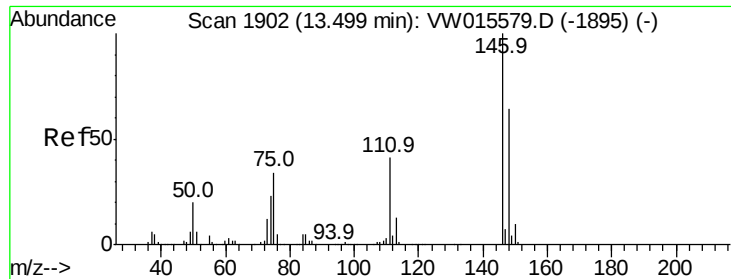
Ion Ratio Lower Upper

173 100

175 49.3 37.9 56.9

254 10.2 6.8 10.2#

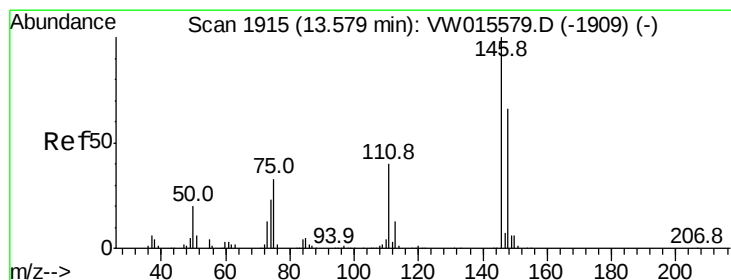
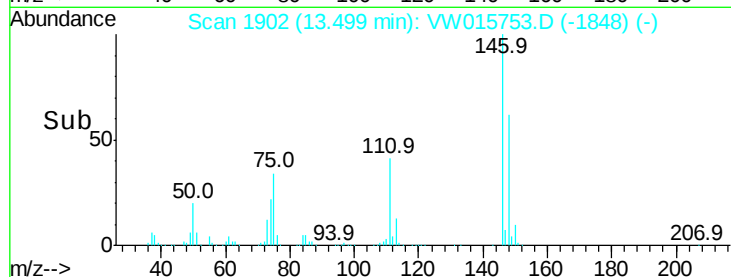
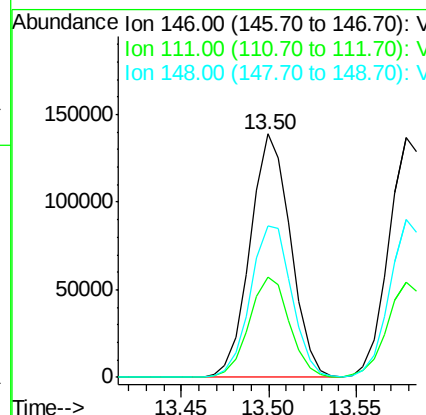
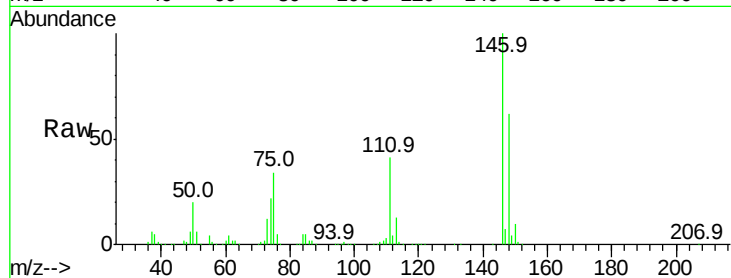




#63
 1,3-Dichlorobenzene
 Concen: 25.157 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

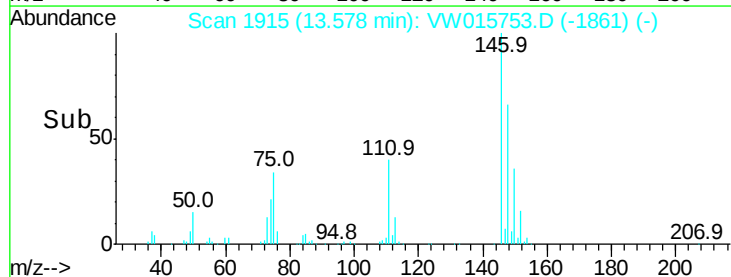
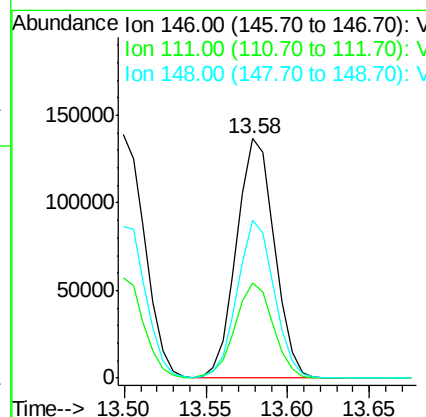
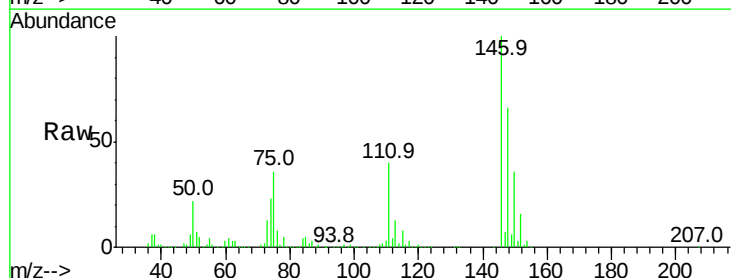
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

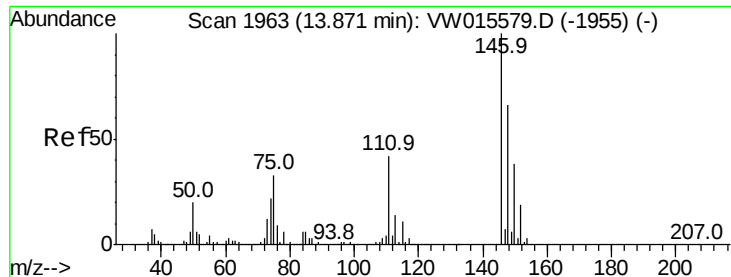
Tgt Ion:146 Resp: 224458
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.5
 148 62.3 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 25.416 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

Tgt Ion:146 Resp: 222199
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.1 52.1
 148 65.7 43.3 80.3

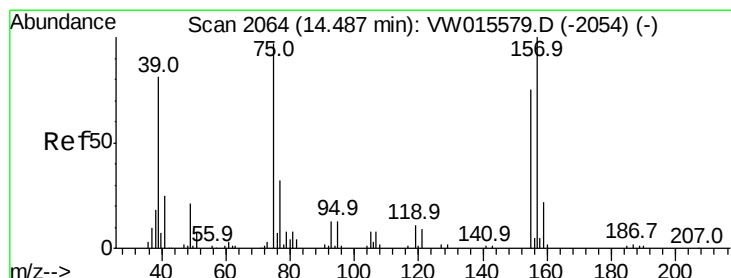
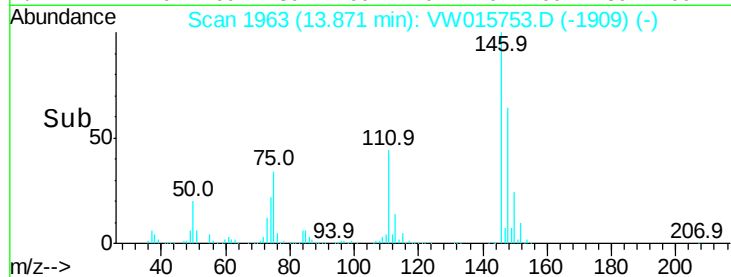
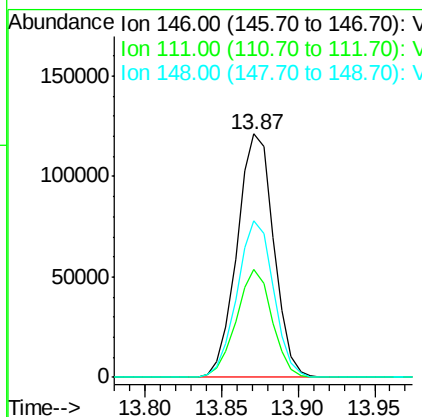
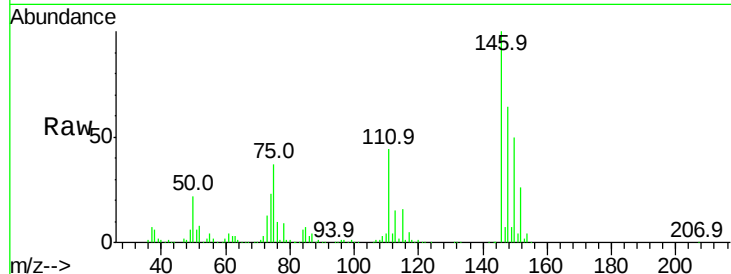




#65
 1,2-Dichlorobenzene
 Concen: 25.936 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

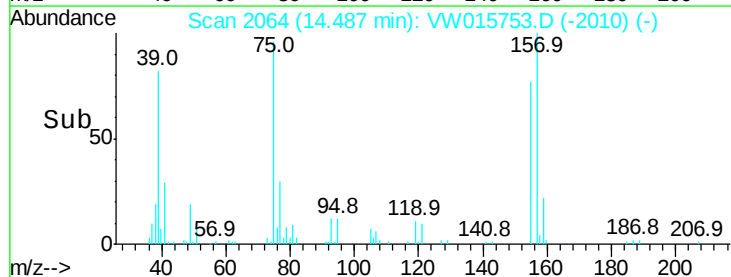
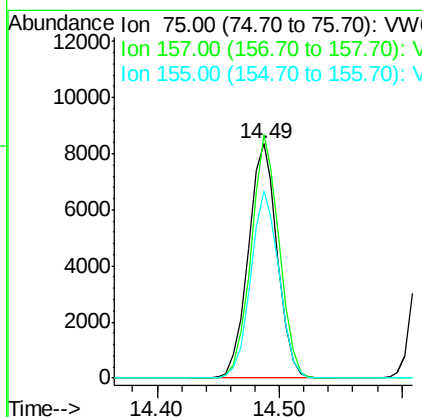
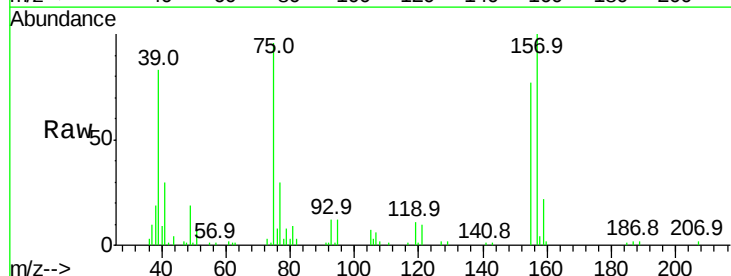
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

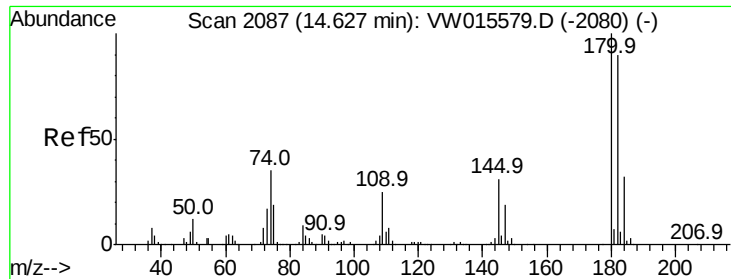
Tgt Ion:146 Resp: 201091
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.9 52.3
 148 64.3 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.286 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

Tgt Ion: 75 Resp: 13696
 Ion Ratio Lower Upper
 75 100
 157 104.0 87.4 131.0
 155 80.3 64.6 96.8

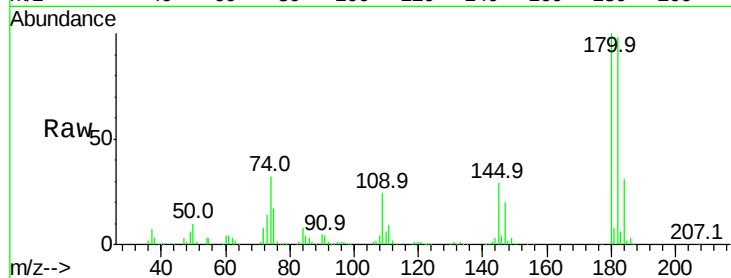




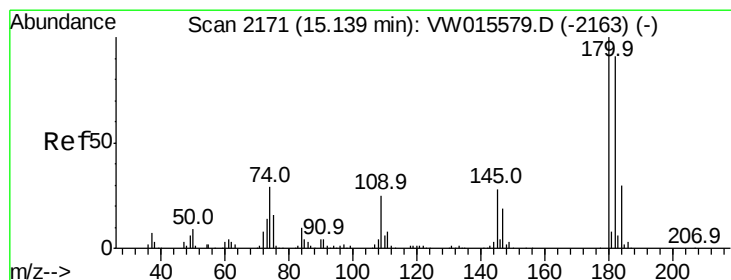
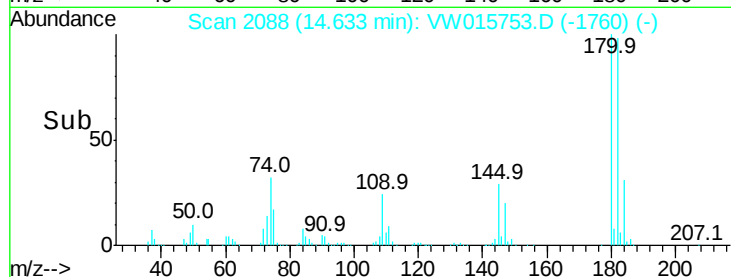
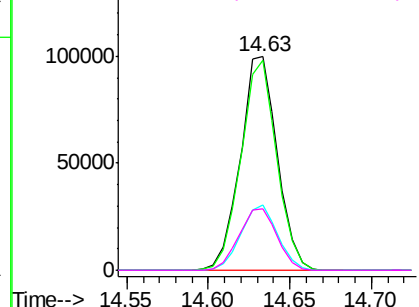
#67
 1,3,5-Trichlorobenzene
 Concen: 25.476 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion:180 Resp: 157370
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.6 114.8
 184 30.2 24.4 36.6
 145 29.7 24.0 36.0

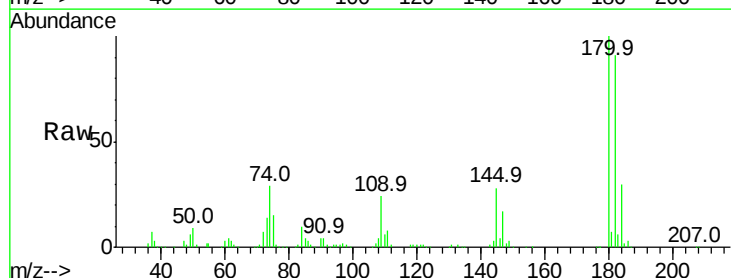


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

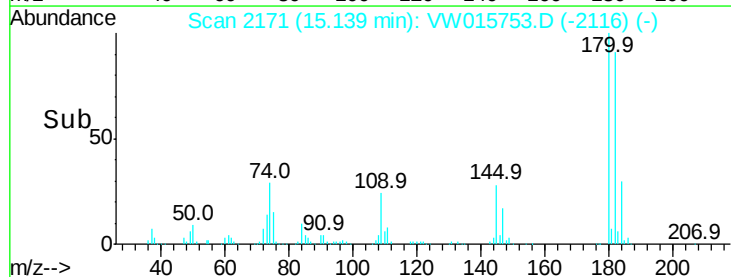
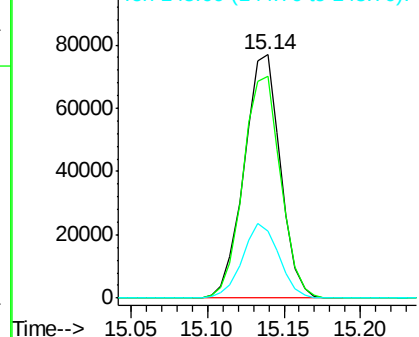


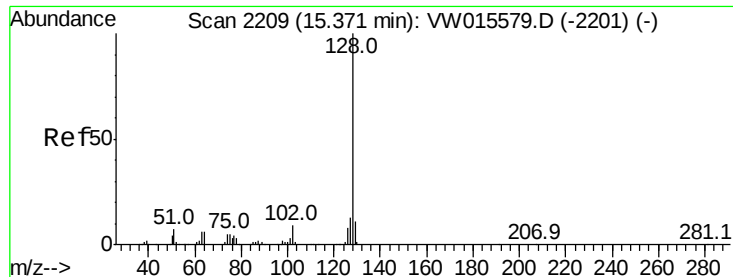
#68
 1,2,4-trichlorobenzene
 Concen: 25.388 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015753.D
 Acq: 29 Jun 2020 10:31

Tgt Ion:180 Resp: 126310
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 145 30.8 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





#69

Naphthalene

Concen: 25.107 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

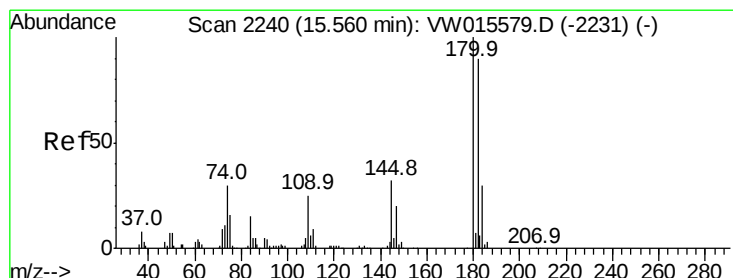
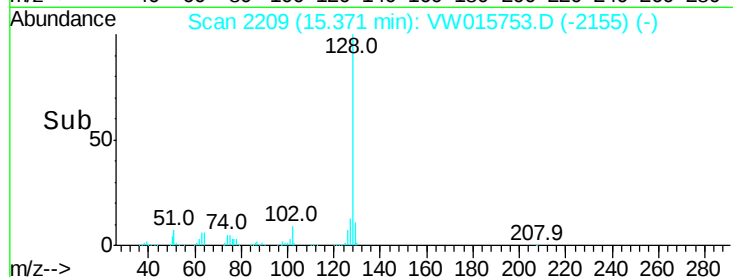
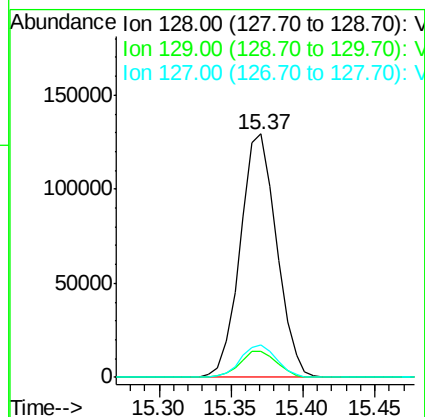
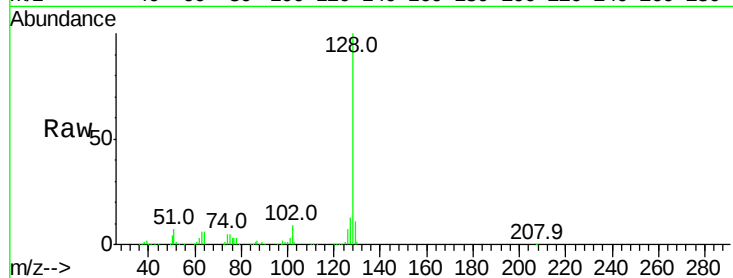
Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

Tgt Ion:	128	Resp:	226806
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.3	10.6	15.8



#70

1,2,3-Trichlorobenzene

Concen: 26.098 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015753.D

Acq: 29 Jun 2020 10:31

Tgt Ion:	180	Resp:	110459
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.4	113.2
145	31.7	26.7	40.1

