

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122420\
 Data File : VW017730.D
 Acq On : 24 Dec 2020 11:52
 Operator : SY/VA
 Sample : VSTD10005
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Quant Time: Dec 24 12:23:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:06:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	412041	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384766	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	204099	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	563359	101.91	ug/L	0.00
7) Chloroethane-d5	2.89	69	481103	102.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1024421	85.76	ug/L	0.00
20) 2-Butanone-d5	7.07	46	188781	166.33	ug/L	0.00
24) Chloroform-d	7.65	84	1028896	88.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	511558	88.42	ug/L	0.00
29) Benzene-d6	8.27	84	1984098	84.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	546763	83.71	ug/L	0.00
37) Toluene-d8	10.32	98	1983428	92.46	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	269234	92.06	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	145942	180.91	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	424933	89.02	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	683991	91.20	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	432444	106.710	ug/L	98
3) Chloromethane	2.21	50	404943	101.951	ug/L	100
5) Vinyl chloride	2.37	62	637571	121.096	ug/L	99
6) Bromomethane	2.78	94	493305	126.403	ug/L	100
8) Chloroethane	2.93	64	410235	116.420	ug/L	99
9) Trichlorofluoromethane	3.27	101	536841	96.206	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	497319	86.647	ug/L	99
12) 1,1-Dichloroethene	4.05	96	490308	87.401	ug/L	93
13) Acetone	4.12	43	167969	150.684	ug/L	96
14) Carbon disulfide	4.39	76	1528126	94.153	ug/L	99
15) Methyl Acetate	4.67	43	162584	85.429	ug/L	100
16) Methylene chloride	4.92	84	473857	78.095	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	579415	93.067	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	533006	92.049	ug/L	96
19) 1,1-Dichloroethane	6.22	63	915282	93.621	ug/L	100
21) 2-Butanone	7.17	43	227677	172.365	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	561503	92.771	ug/L	97
23) Bromochloromethane	7.52	128	242670	88.533	ug/L	97
25) Chloroform	7.68	83	945274	91.533	ug/L	99
27) 1,2-Dichloroethane	8.40	62	600027	94.233	ug/L	98
30) Cyclohexane	7.96	56	867302	94.556	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	848395	93.341	ug/L	100
32) Carbon tetrachloride	8.07	117	840961	95.803	ug/L	100
34) Benzene	8.32	78	2079230	90.959	ug/L	100
35) Trichloroethene	9.09	95	581808	91.455	ug/L	99
36) Methylcyclohexane	9.34	83	1013463	95.319	ug/L	99
40) 1,2-Dichloropropane	9.37	63	488017	90.594	ug/L	99
41) Bromodichloromethane	9.65	83	706628	94.817	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	827759	98.213	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	485755	189.060	ug/L	99

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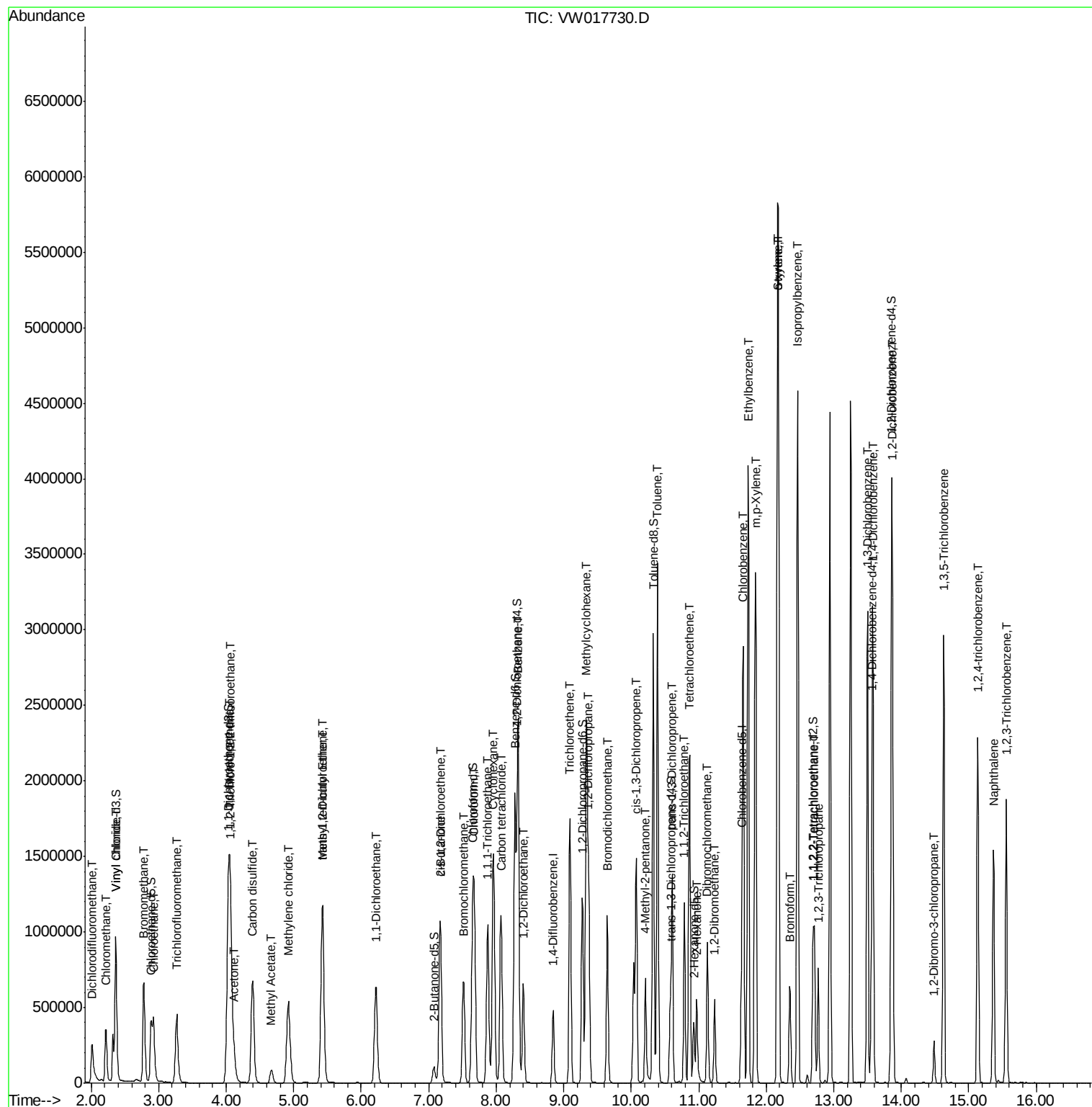
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2494820	100.359	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	725038	99.829	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	363039	89.118	ug/L	98
47) Tetrachloroethene	10.87	164	463472	86.521	ug/L	96
49) 2-Hexanone	10.97	43	352363	189.950	ug/L	99
50) Dibromochloromethane	11.13	129	471862	93.493	ug/L	99
51) 1,2-Dibromoethane	11.24	107	359112	92.106	ug/L	93
52) Chlorobenzene	11.66	112	1543075	95.240	ug/L	98
53) Ethylbenzene	11.73	91	2852969	100.755	ug/L	96
54) m,p-Xylene	11.84	106	1157136	106.803	ug/L	91
55) o-xylene	12.16	106	1069418	106.116	ug/L	94
56) Styrene	12.18	104	1826248	107.767	ug/L	98
57) Isopropylbenzene	12.46	105	3008323	108.676	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	413094	92.970	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	298353	90.768	ug/L	99
62) Bromoform	12.35	173	286357	100.419	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1277197	98.395	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	1236261	95.493	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	1076954	95.298	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	69134	91.931	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.63	180	847296	91.474	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	701656	93.341	ug/L	99
69) Naphthalene	15.36	128	1341498	110.135	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	604010	96.973	ug/L	98

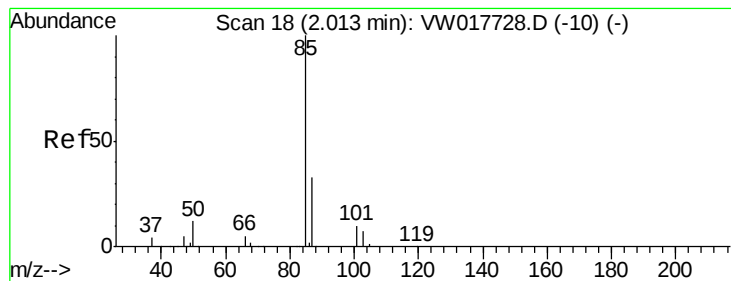
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 106.710 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

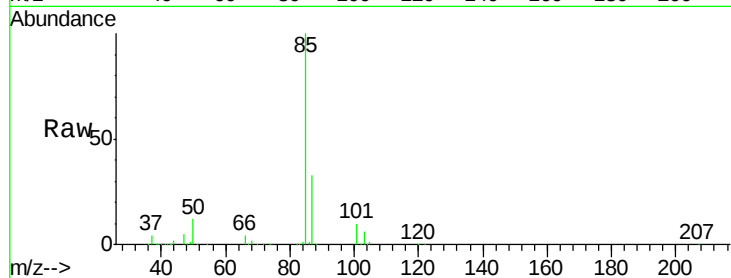
VSTD10005

Tgt Ion: 85 Resp: 432444

Ion Ratio Lower Upper

85 100

87 30.6 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

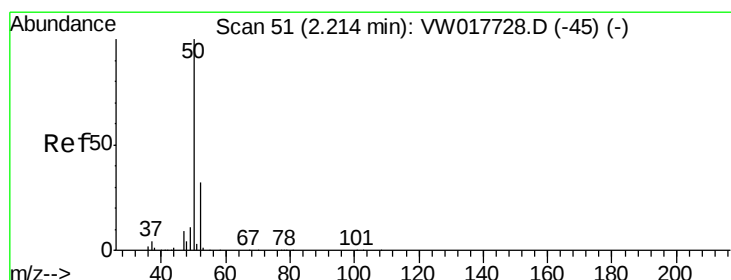
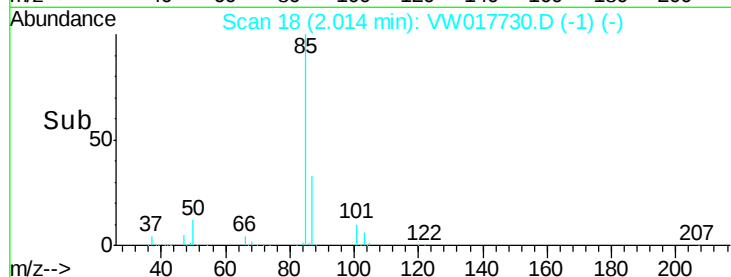
150000

100000

50000

0

Time--> 1.90 2.00 2.10 2.20



#3

Chloromethane

Concen: 101.951 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017730.D

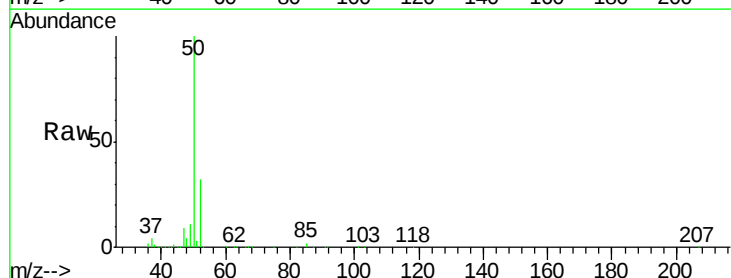
Acq: 24 Dec 2020 11:52

Tgt Ion: 50 Resp: 404943

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

200000

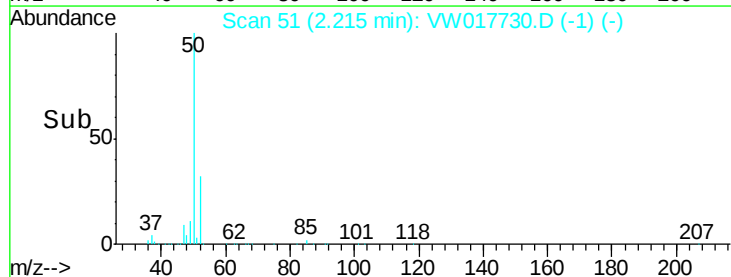
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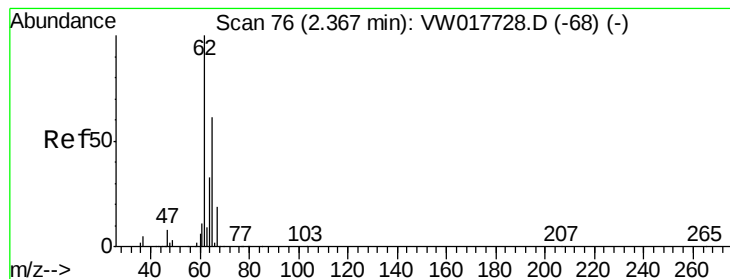
100000

50000

0

Time--> 2.15 2.20 2.25 2.30





#5

Vinyl chloride

Concen: 121.096 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

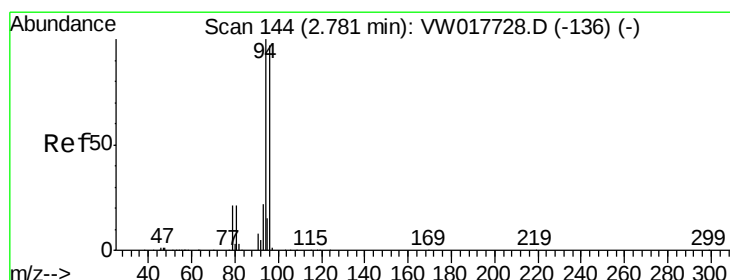
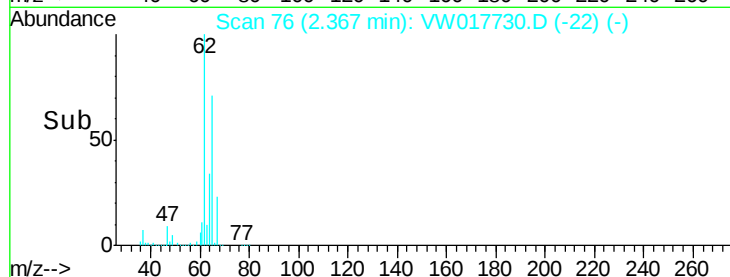
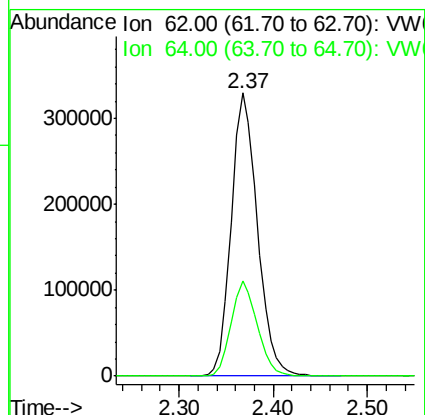
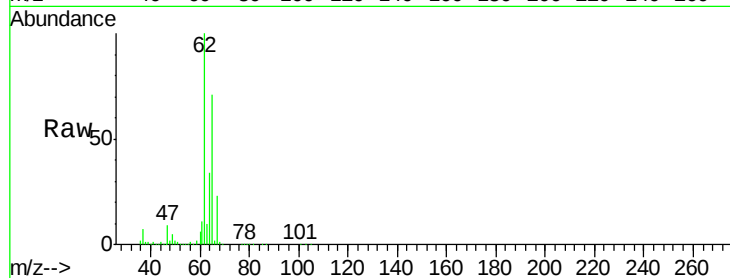
VSTD10005

Tgt Ion: 62 Resp: 637571

Ion Ratio Lower Upper

62 100

64 33.8 23.3 43.3



#6

Bromomethane

Concen: 126.403 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017730.D

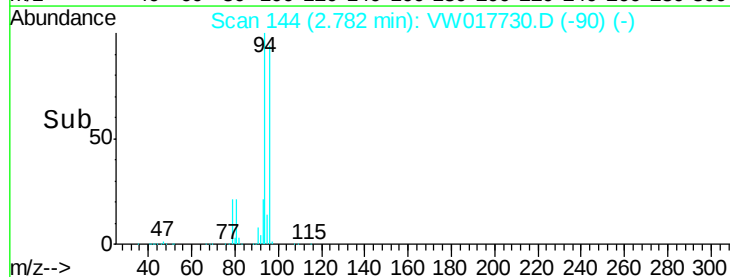
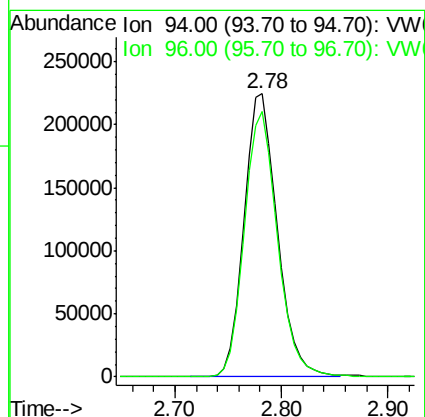
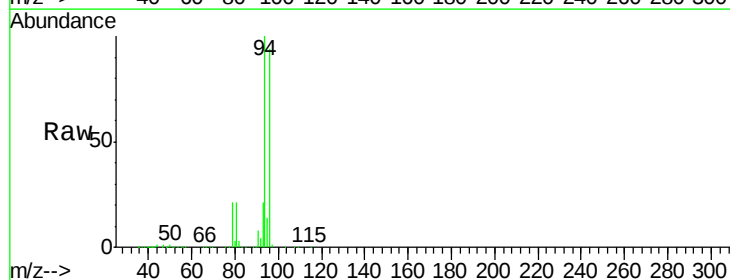
Acq: 24 Dec 2020 11:52

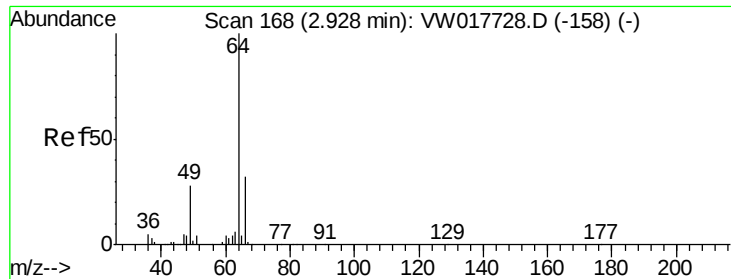
Tgt Ion: 94 Resp: 493305

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.6





#8

Chloroethane

Concen: 116.420 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

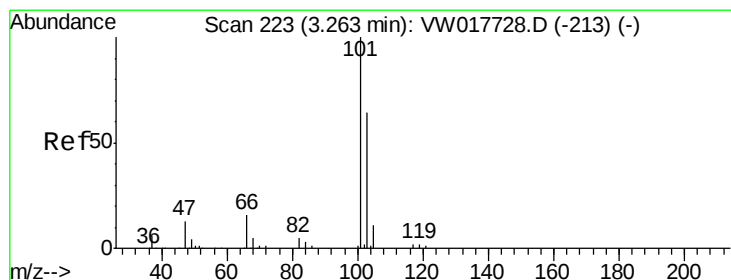
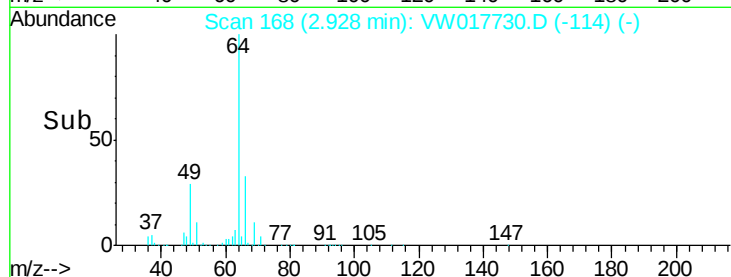
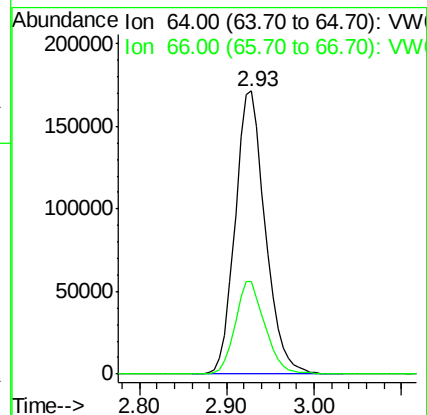
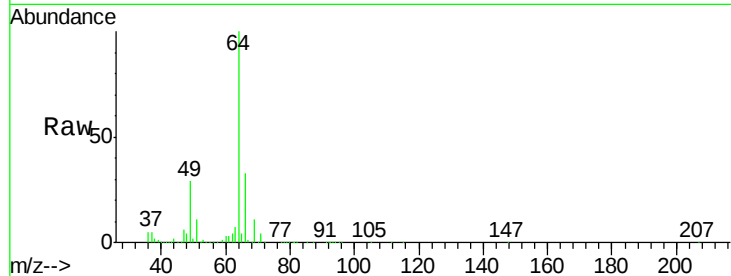
VSTD10005

Tgt Ion: 64 Resp: 410235

Ion Ratio Lower Upper

64 100

66 32.5 22.3 41.5



#9

Trichlorofluoromethane

Concen: 96.206 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017730.D

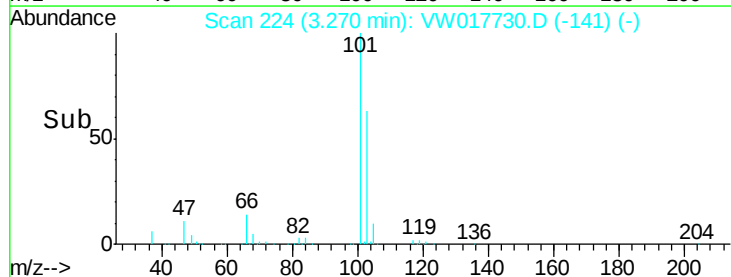
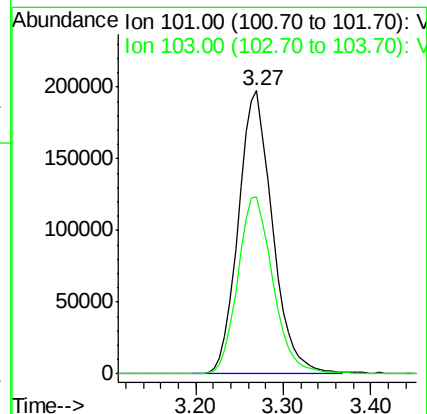
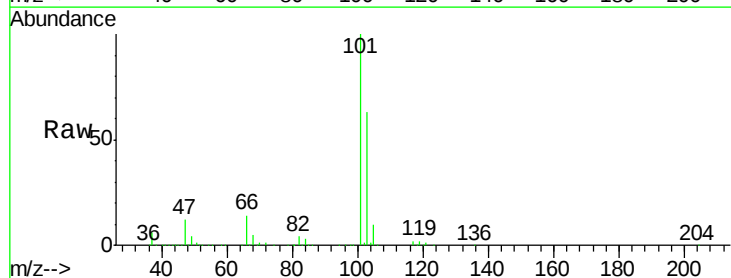
Acq: 24 Dec 2020 11:52

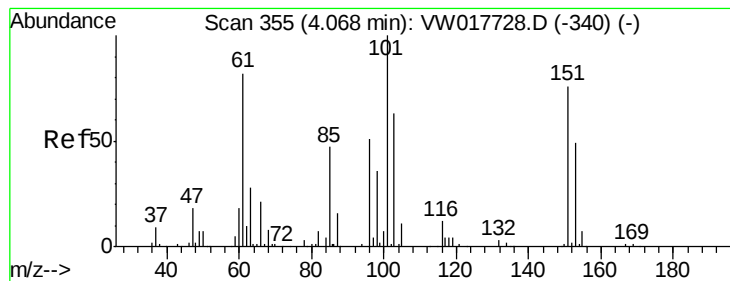
Tgt Ion: 101 Resp: 536841

Ion Ratio Lower Upper

101 100

103 64.5 46.0 85.4





#11

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

Concen: 86.647 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

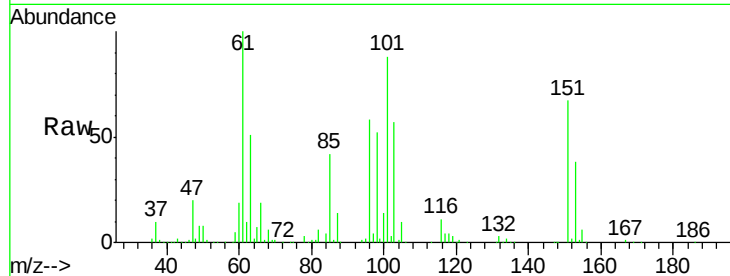
Tgt Ion: 101 Resp: 497319

Ion Ratio Lower Upper

101 100

85 46.9 36.7 55.1

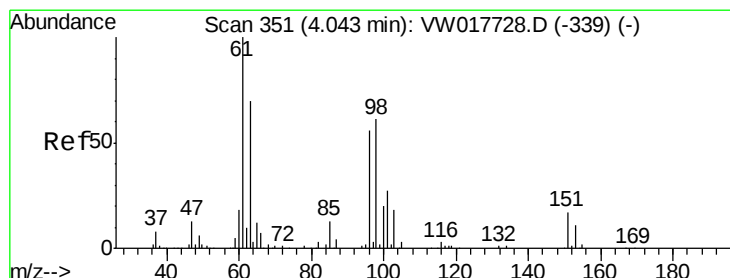
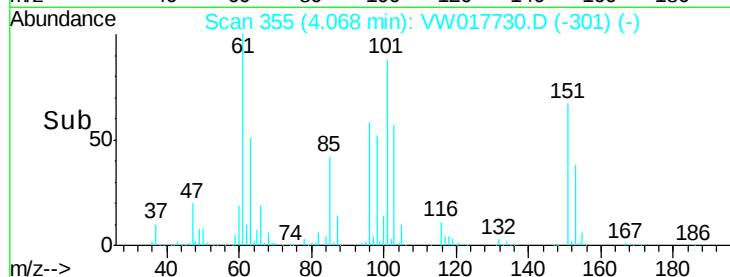
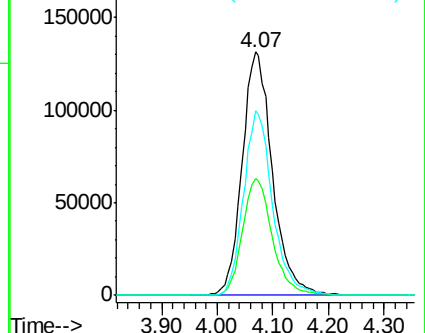
151 72.5 57.7 86.5



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: 87.401 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

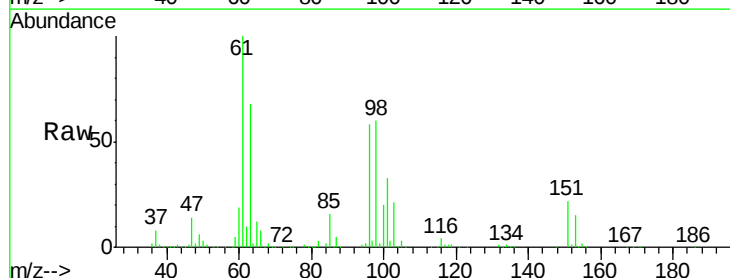
Tgt Ion: 96 Resp: 490308

Ion Ratio Lower Upper

96 100

61 172.4 126.1 234.1

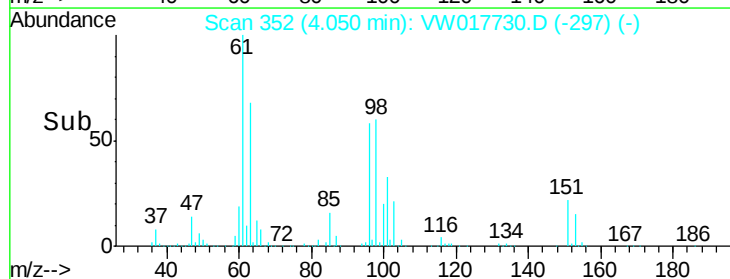
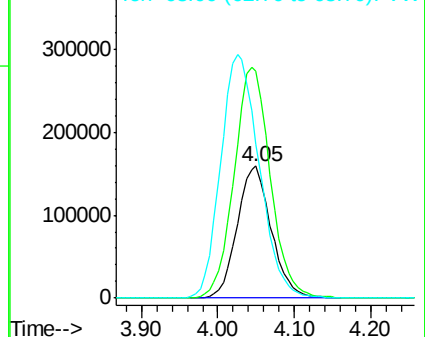
63 117.3 90.0 167.2

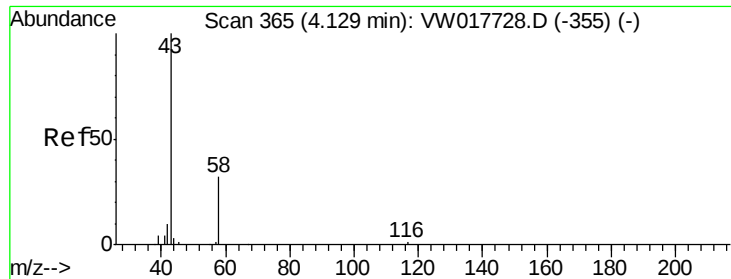


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 150.684 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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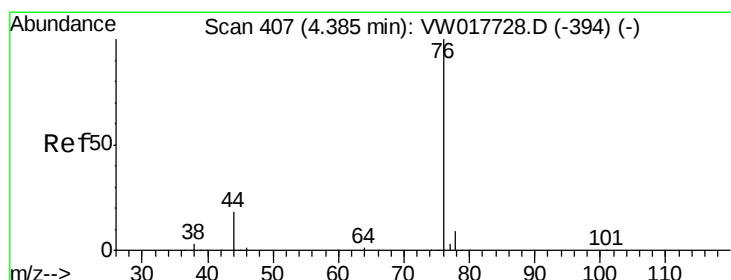
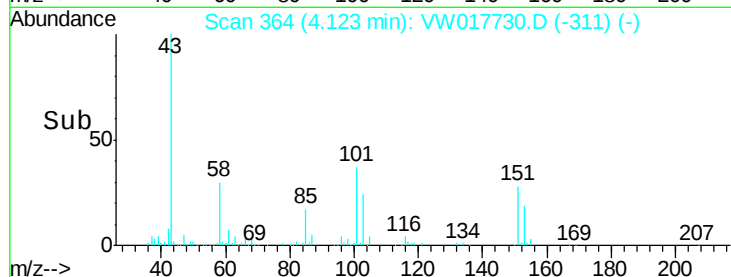
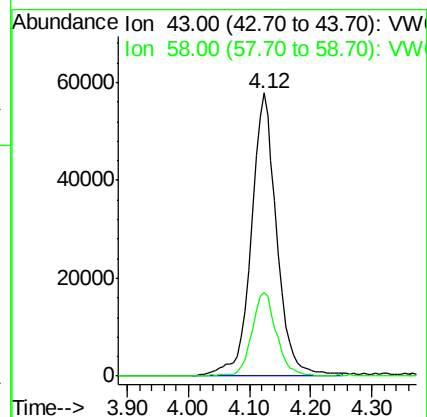
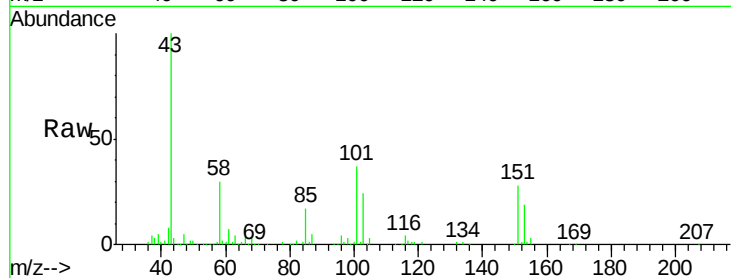
VSTD10005

Tgt Ion: 43 Resp: 167969

Ion Ratio Lower Upper

43 100

58 28.3 0.0 60.8



#14

Carbon disulfide

Concen: 94.153 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017730.D

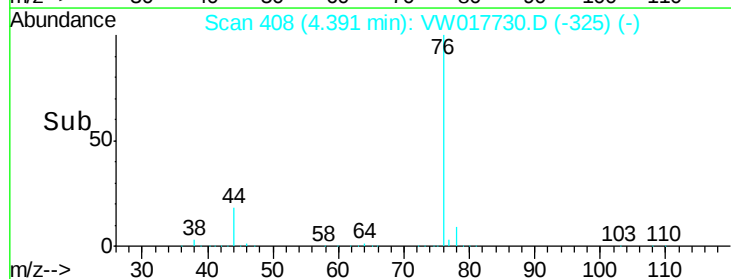
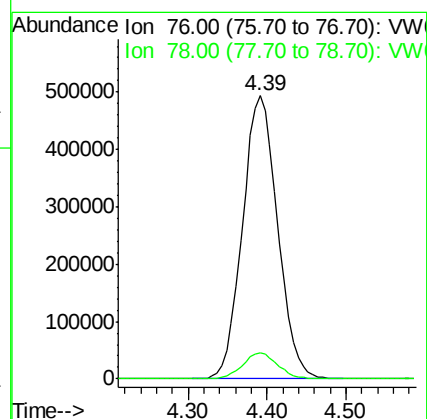
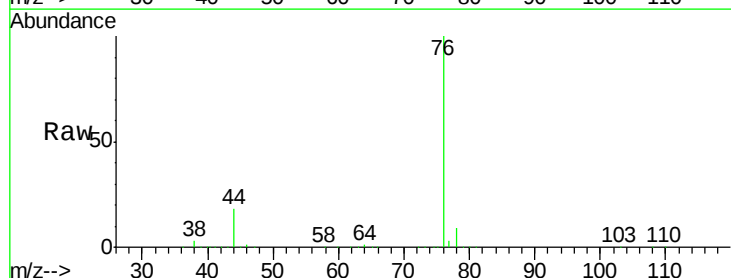
Acq: 24 Dec 2020 11:52

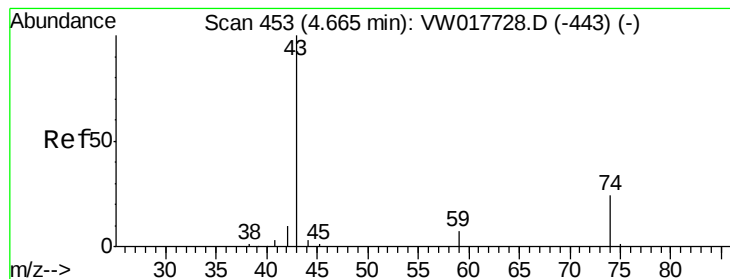
Tgt Ion: 76 Resp: 1528126

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 85.429 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

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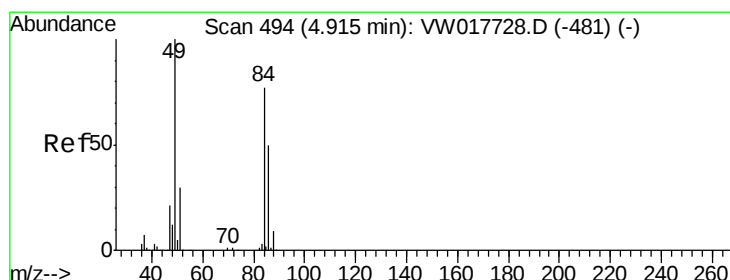
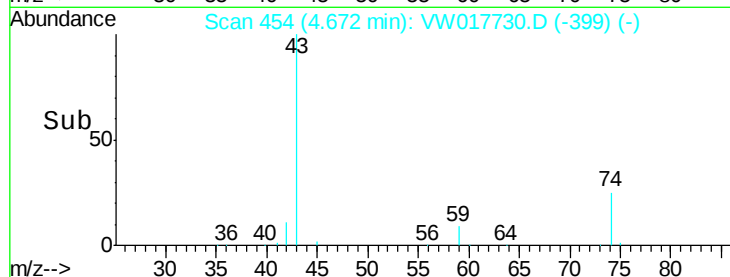
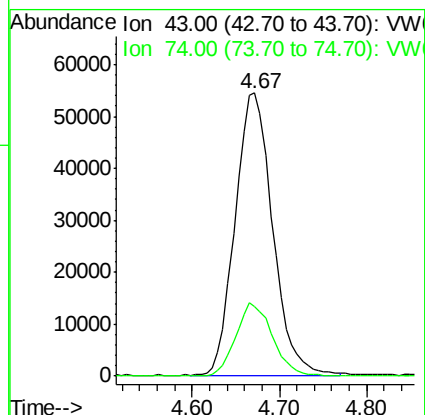
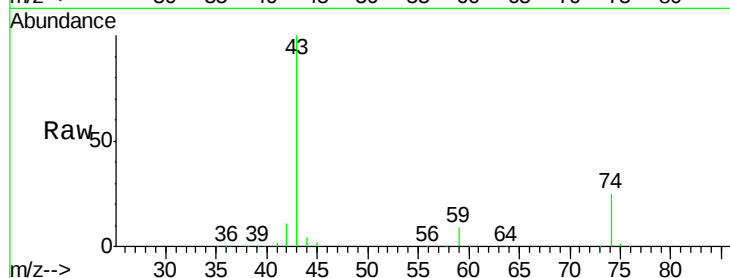
VSTD10005

Tgt Ion: 43 Resp: 162584

Ion Ratio Lower Upper

43 100

74 25.3 20.2 30.4



#16

Methylene chloride

Concen: 78.095 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

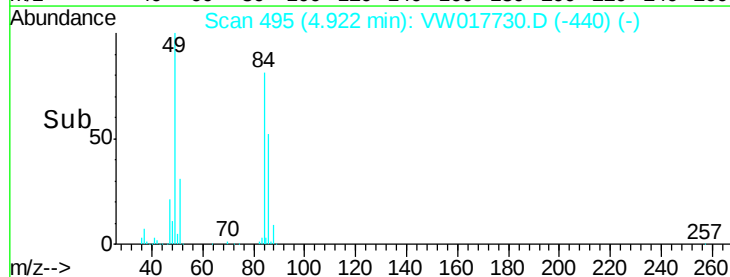
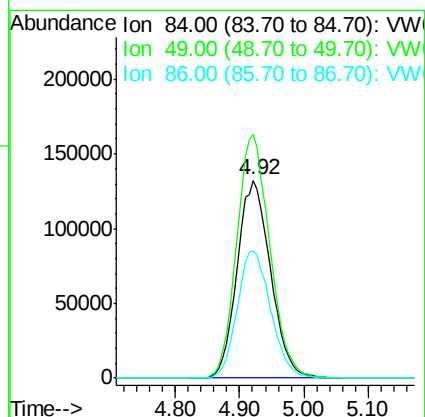
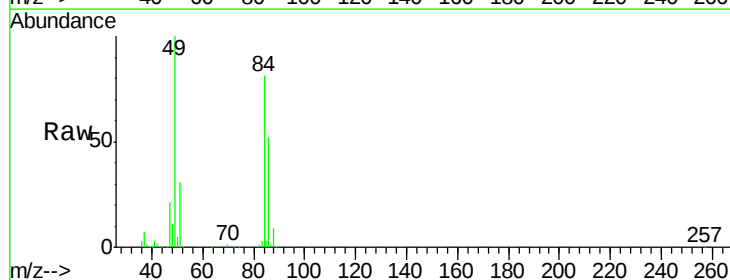
Tgt Ion: 84 Resp: 473857

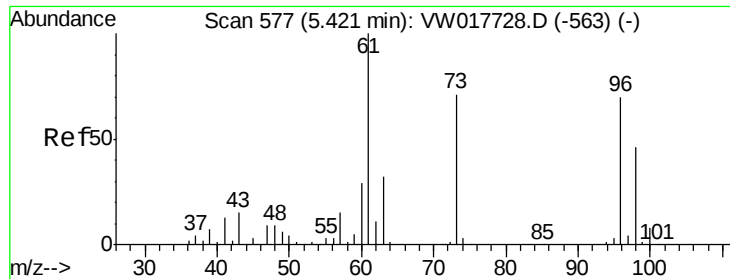
Ion Ratio Lower Upper

84 100

49 122.9 90.5 168.1

86 64.1 44.8 83.2

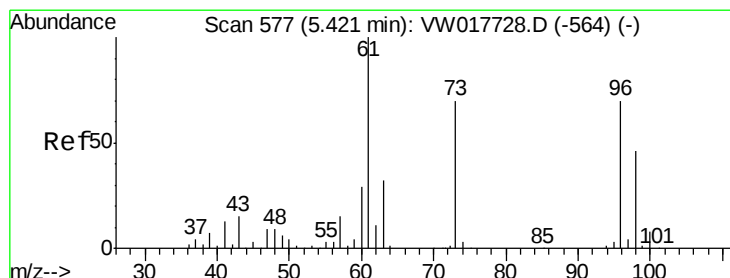
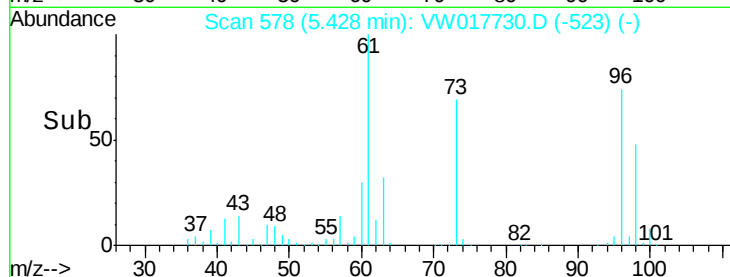
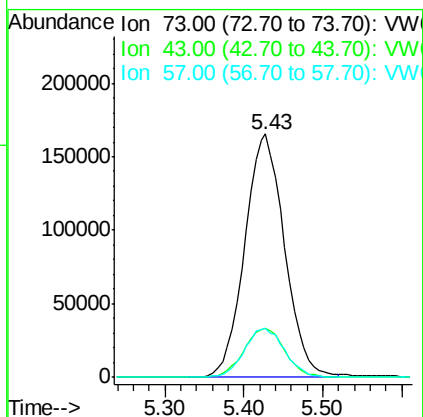
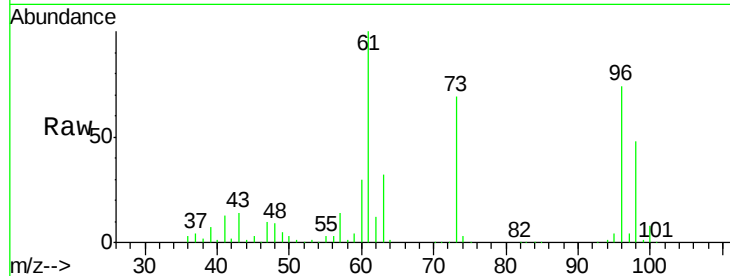




#17
Methyl tert-butyl Ether
Concen: 93.067 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

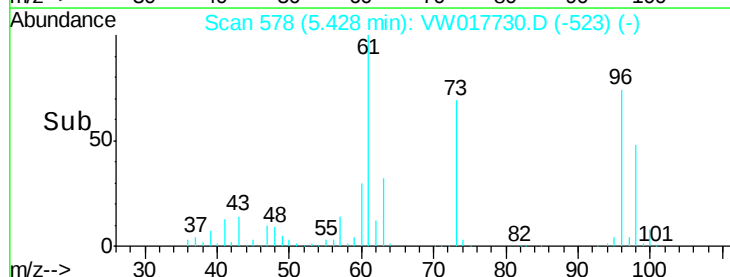
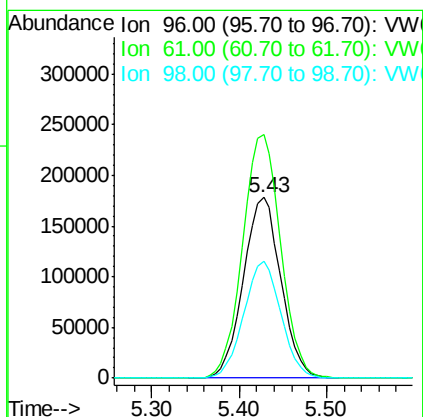
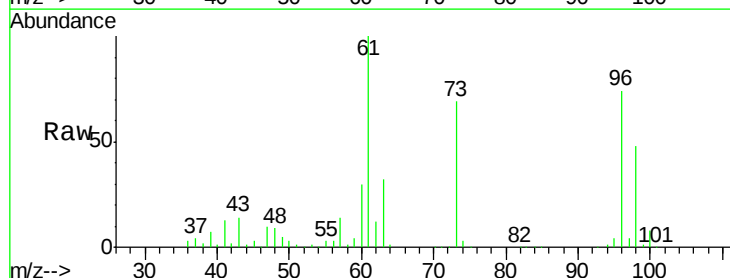
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

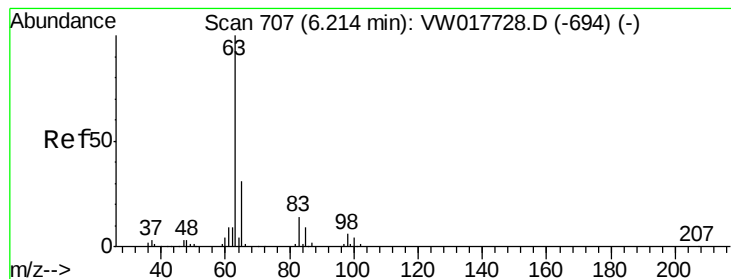
Tgt Ion: 73 Resp: 579415
Ion Ratio Lower Upper
73 100
43 20.8 17.1 25.7
57 20.5 16.6 25.0



#18
trans-1,2-Dichloroethene
Concen: 92.049 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

Tgt Ion: 96 Resp: 533006
Ion Ratio Lower Upper
96 100
61 134.9 99.5 184.9
98 65.0 45.8 85.2





#19

1,1-Dichloroethane

Concen: 93.621 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

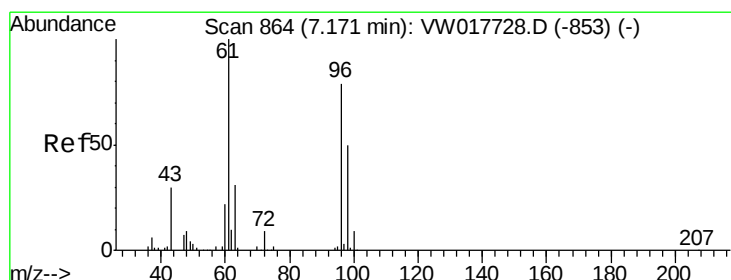
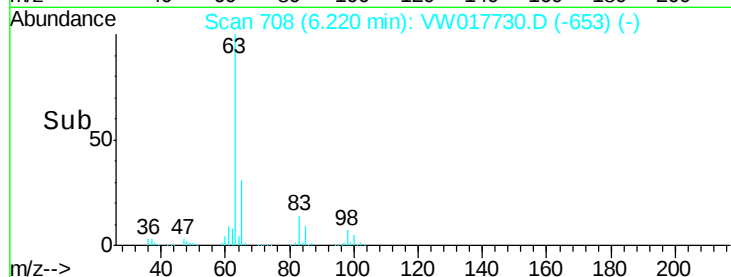
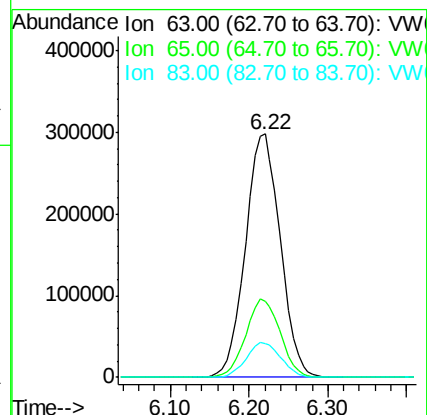
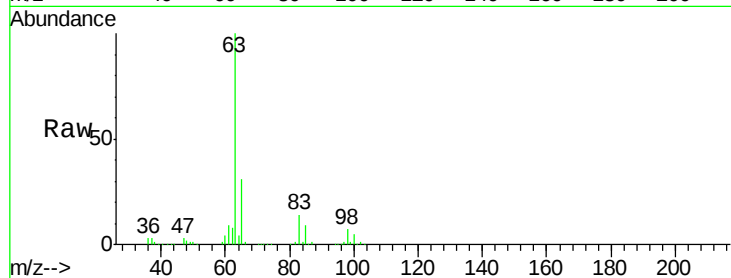
Tgt Ion: 63 Resp: 915282

Ion Ratio Lower Upper

63 100

65 31.2 21.9 40.7

83 13.8 10.0 18.6



#21

2-Butanone

Concen: 172.365 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017730.D

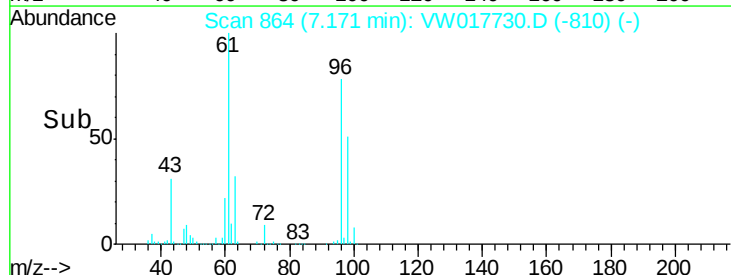
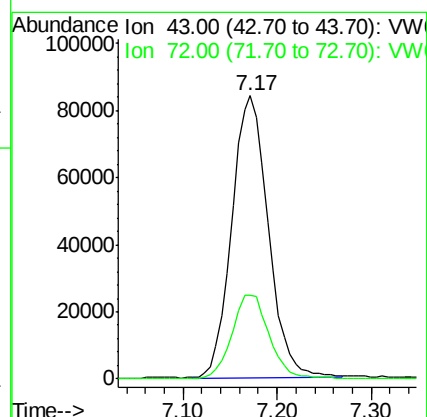
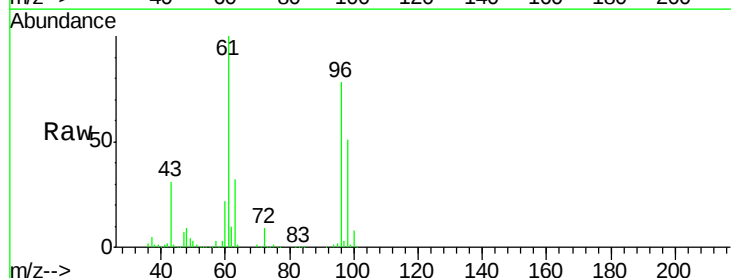
Acq: 24 Dec 2020 11:52

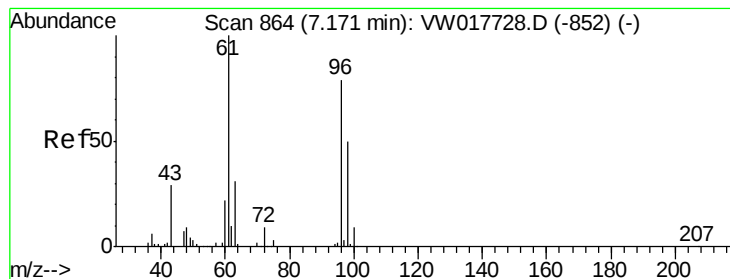
Tgt Ion: 43 Resp: 227677

Ion Ratio Lower Upper

43 100

72 30.3 15.4 46.2



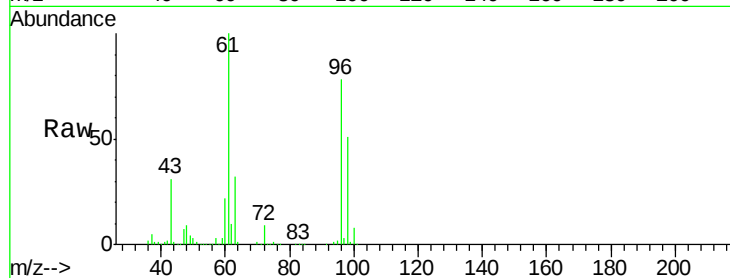


#22

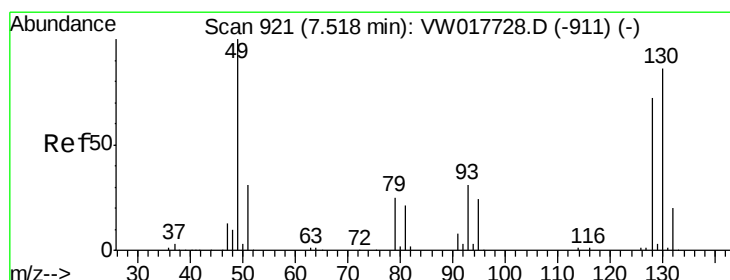
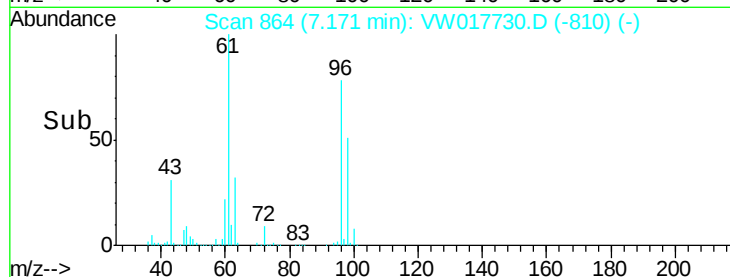
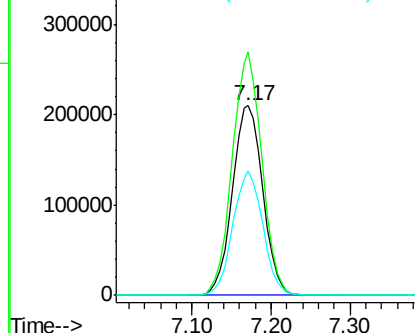
cis-1,2-Dichloroethene
Concen: 92.771 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.3	88.2	163.8
98	65.4	43.7	81.1



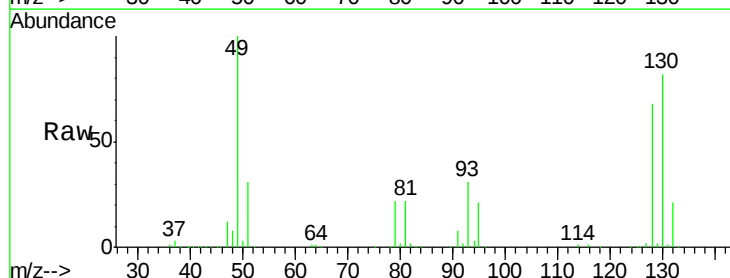
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



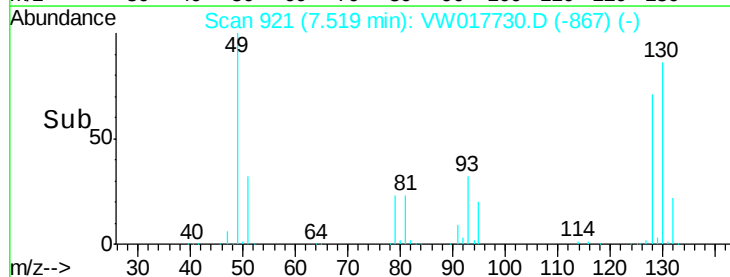
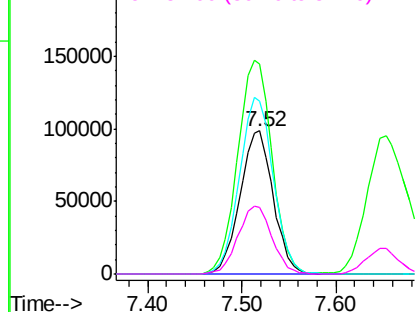
#23

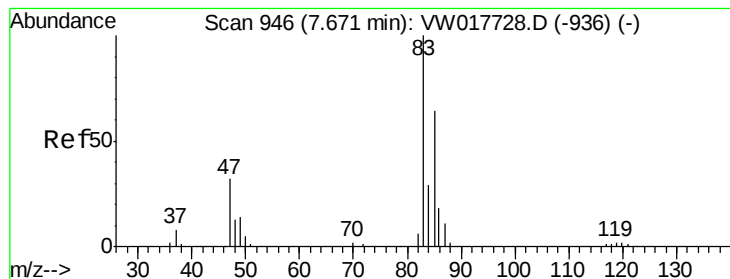
Bromochloromethane
Concen: 88.533 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

Tgt Ion	Ratio	Lower	Upper
128	100		
49	147.1	98.3	182.5
130	121.0	84.4	156.7
51	46.2	35.0	52.4



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: 91.533 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

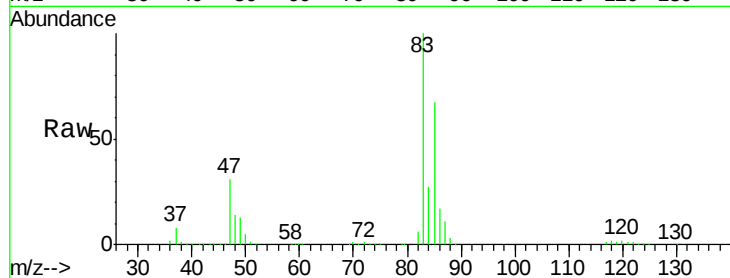
VSTD10005

Tgt Ion: 83 Resp: 945274

Ion Ratio Lower Upper

83 100

85 65.9 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

400000

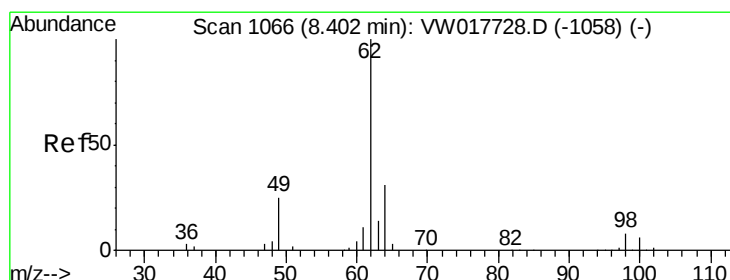
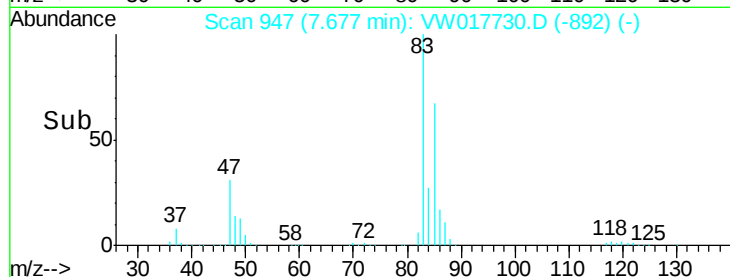
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 94.233 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017730.D

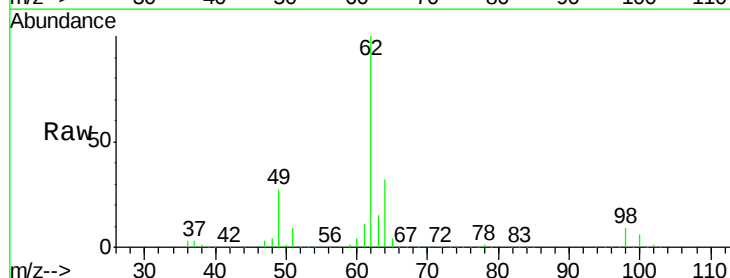
Acq: 24 Dec 2020 11:52

Tgt Ion: 62 Resp: 600027

Ion Ratio Lower Upper

62 100

98 8.6 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

300000

250000

200000

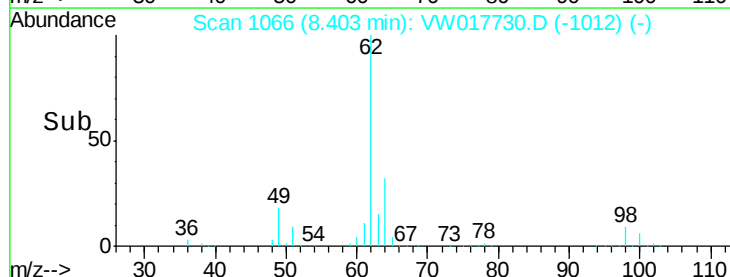
150000

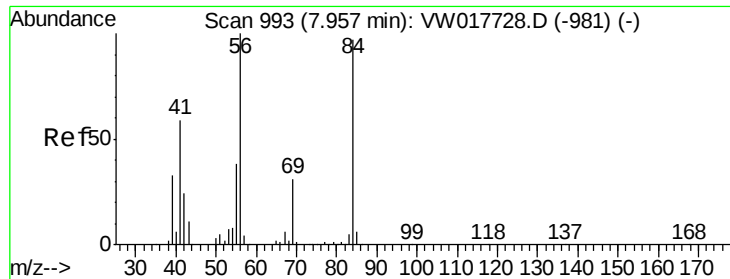
100000

50000

0

Time-->

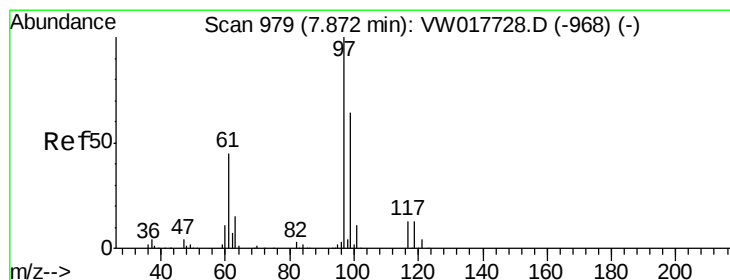
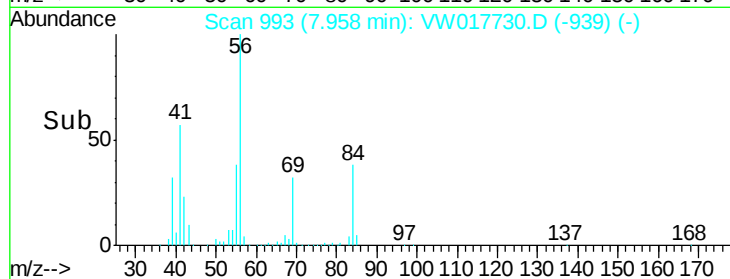
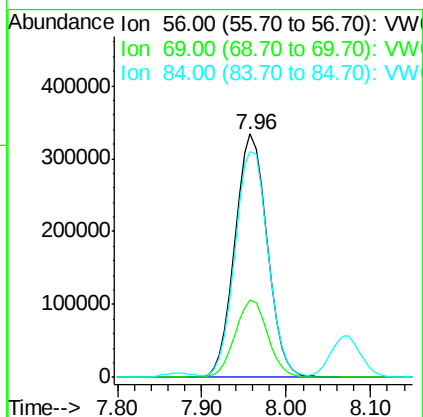
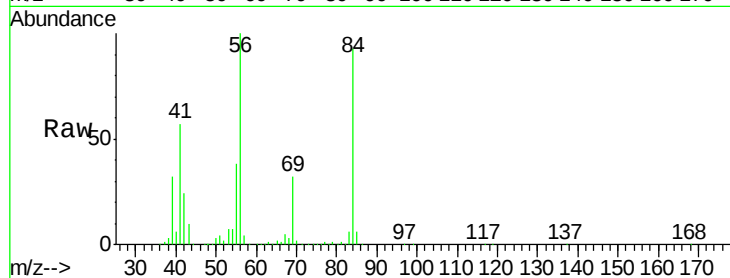




#30
Cyclohexane
Concen: 94.556 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

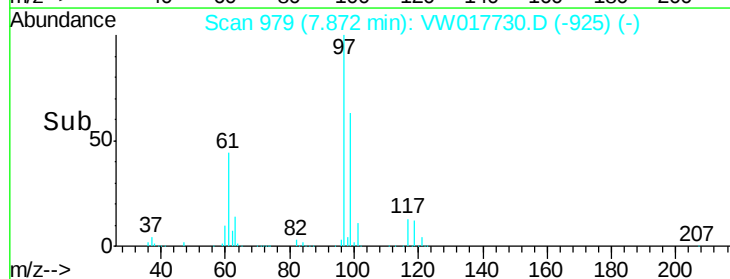
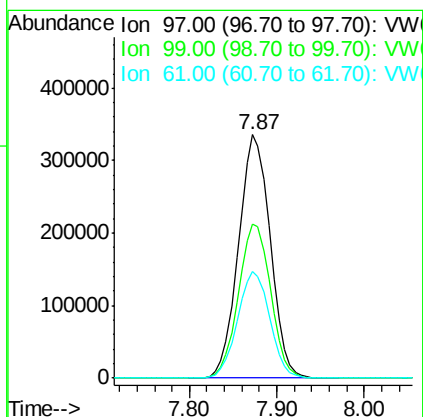
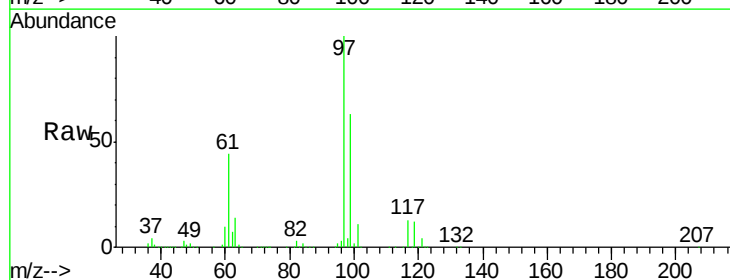
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

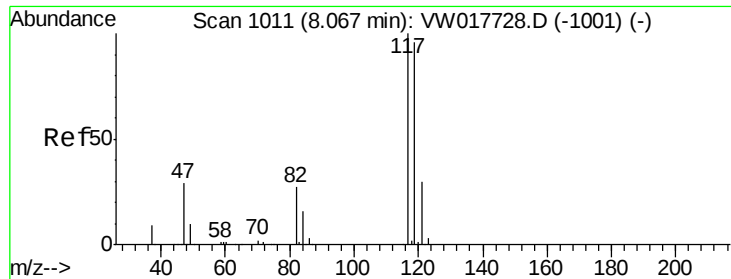
Tgt Ion: 56 Resp: 867302
Ion Ratio Lower Upper
56 100
69 32.0 25.0 37.4
84 95.3 76.6 115.0



#31
1,1,1-Trichloroethane
Concen: 93.341 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

Tgt Ion: 97 Resp: 848395
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 44.4 35.8 53.8





#32

Carbon tetrachloride

Concen: 95.803 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

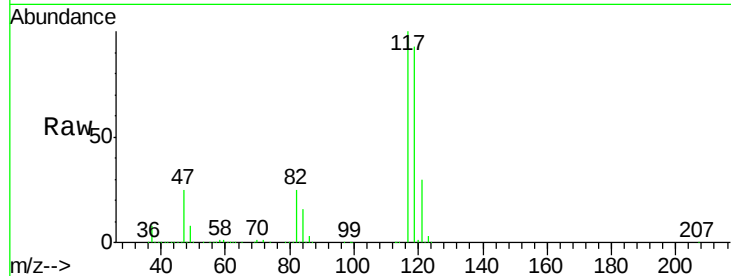
VSTD10005

Tgt Ion:117 Resp: 840961

Ion Ratio Lower Upper

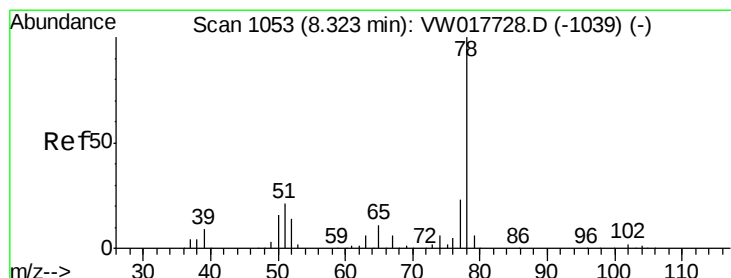
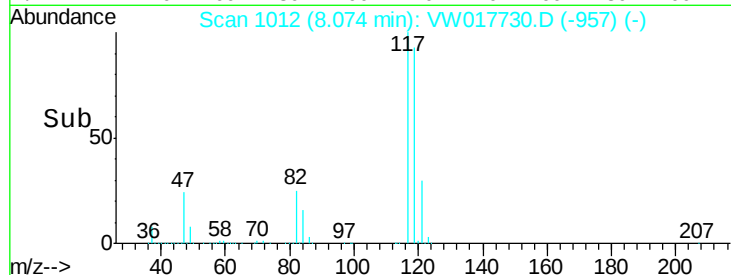
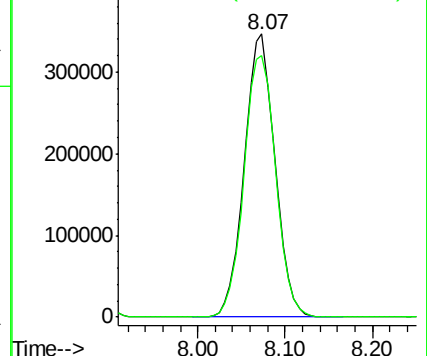
117 100

119 96.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 90.959 ug/L

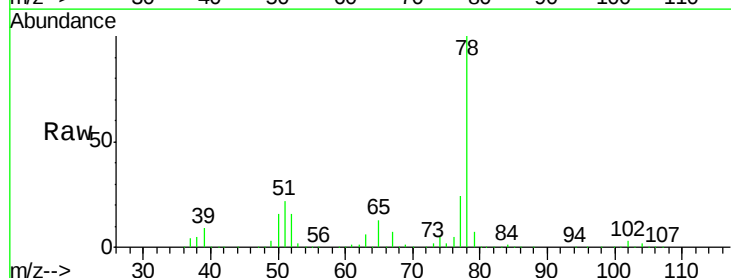
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

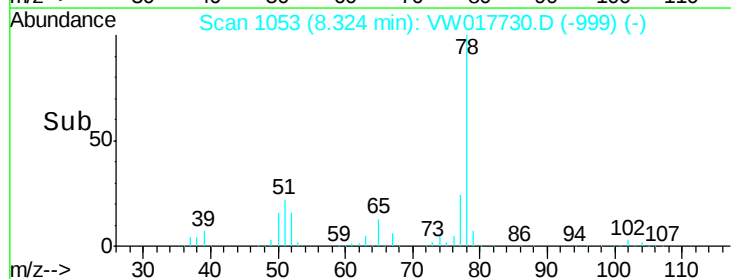
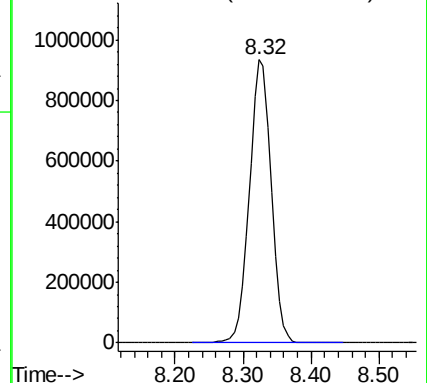
Lab File: VW017730.D

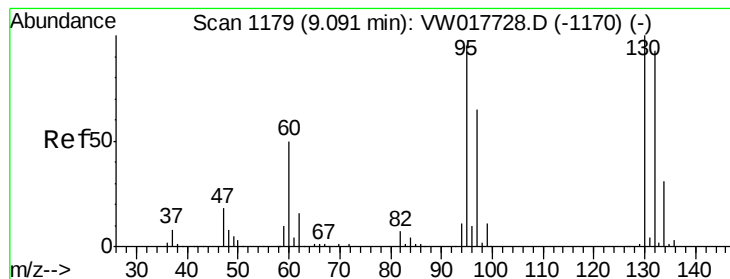
Acq: 24 Dec 2020 11:52

Tgt Ion: 78 Resp: 2079230



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 91.455 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 95 Resp: 581808

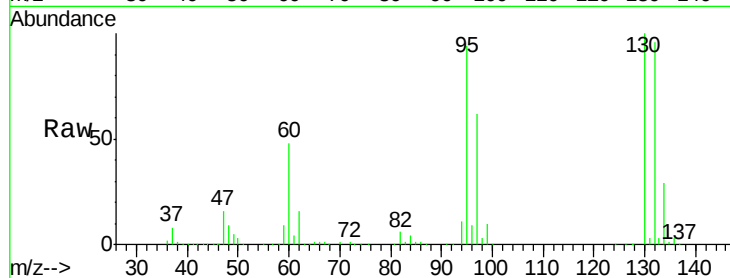
Ion Ratio Lower Upper

95 100

97 64.9 46.8 87.0

132 99.2 68.3 126.9

130 103.3 71.8 133.4

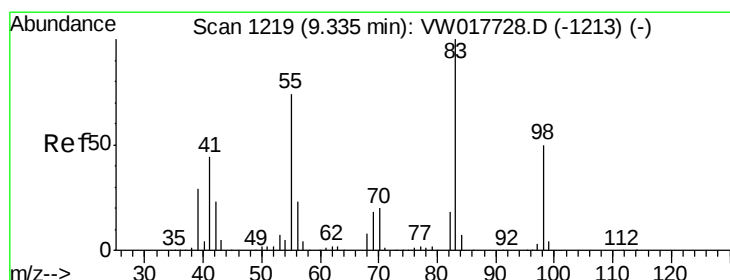
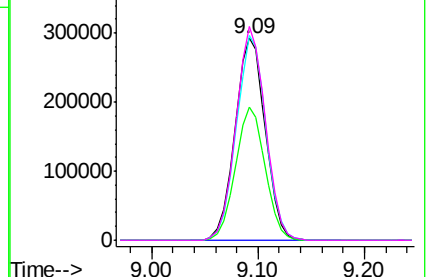
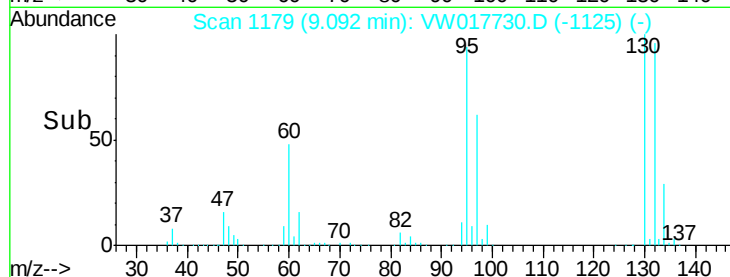


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 95.319 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

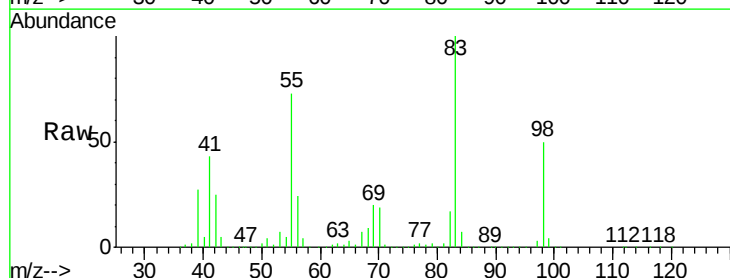
Tgt Ion: 83 Resp: 1013463

Ion Ratio Lower Upper

83 100

55 71.8 57.6 86.4

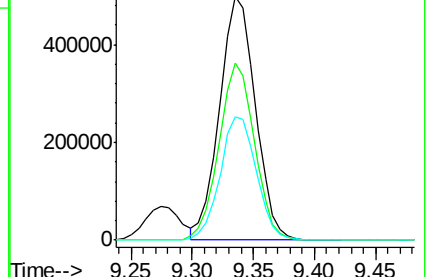
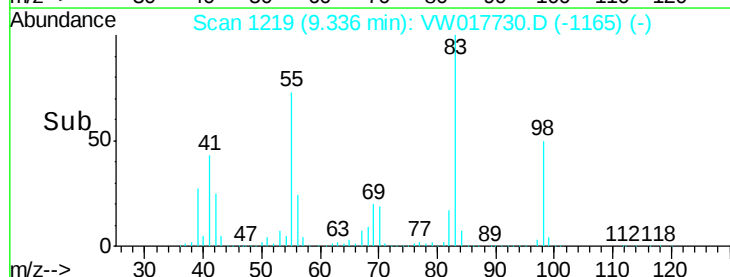
98 51.3 39.7 59.5

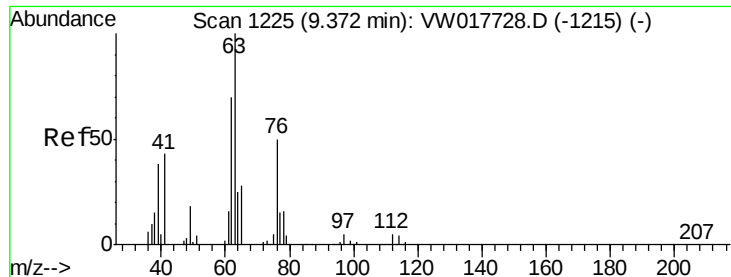


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 90.594 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

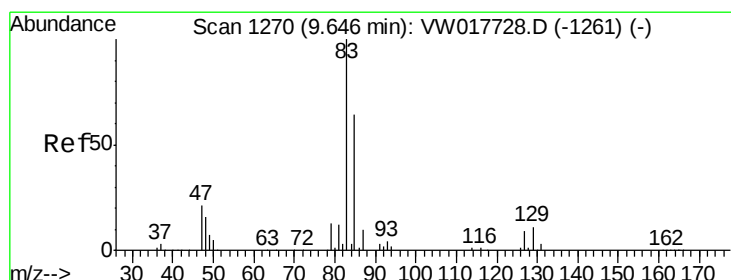
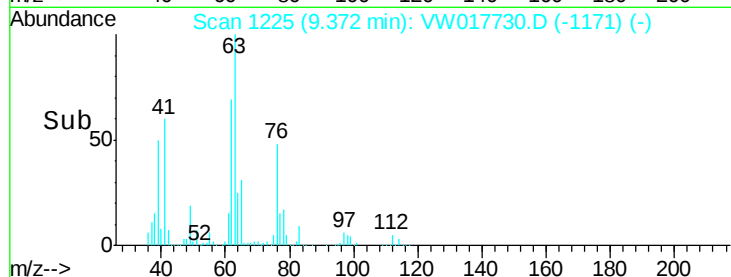
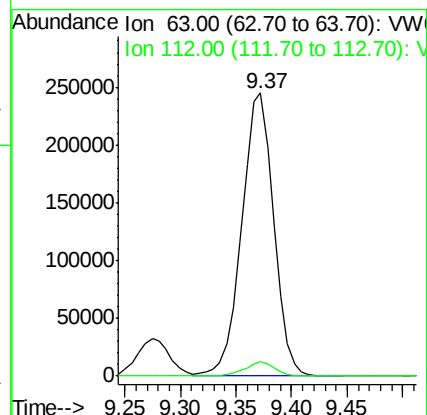
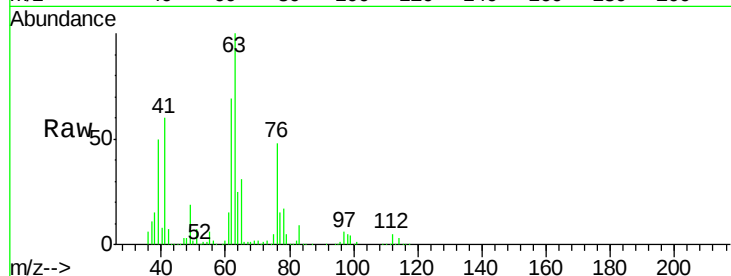
VSTD10005

Tgt Ion: 63 Resp: 488017

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



#41

Bromodichloromethane

Concen: 94.817 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

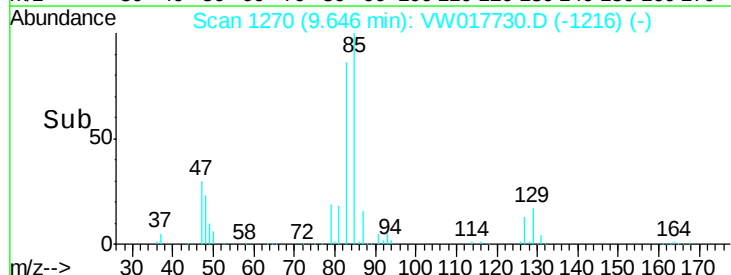
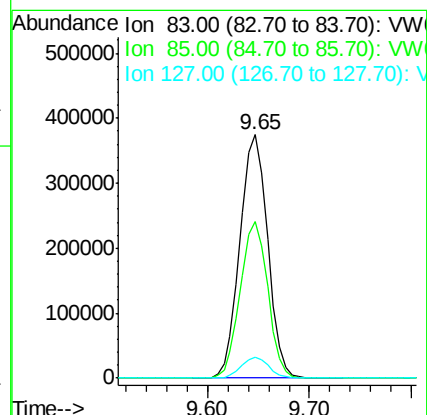
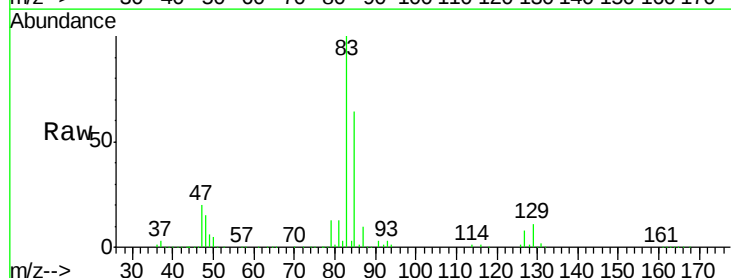
Tgt Ion: 83 Resp: 706628

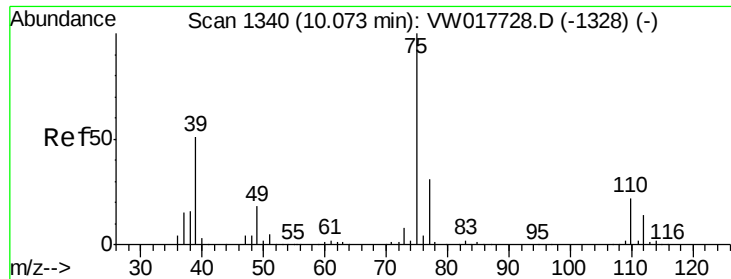
Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

127 8.4 6.9 10.3

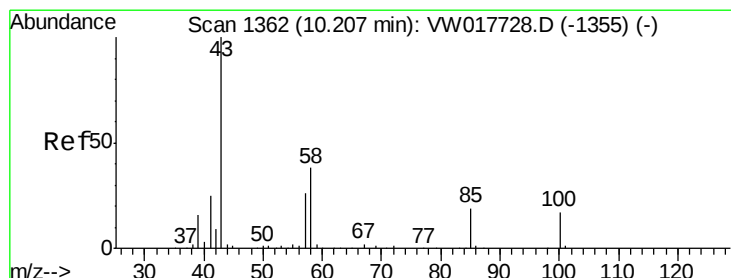
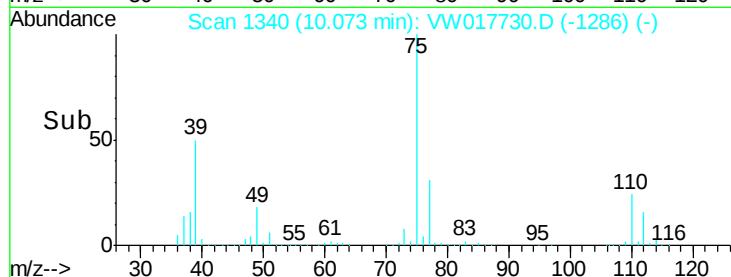
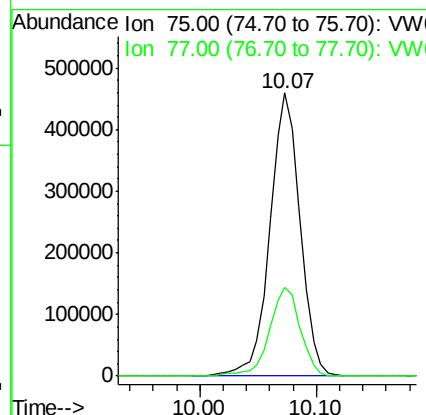
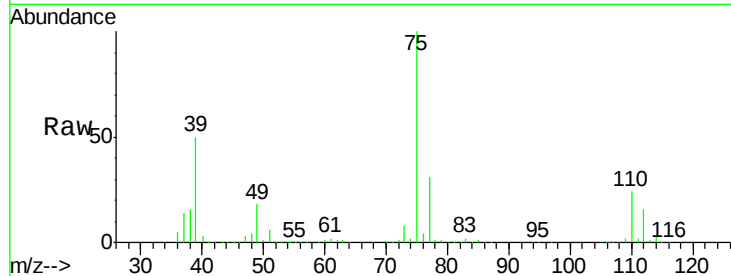




#42
 cis-1,3-Dichloropropene
 Concen: 98.213 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

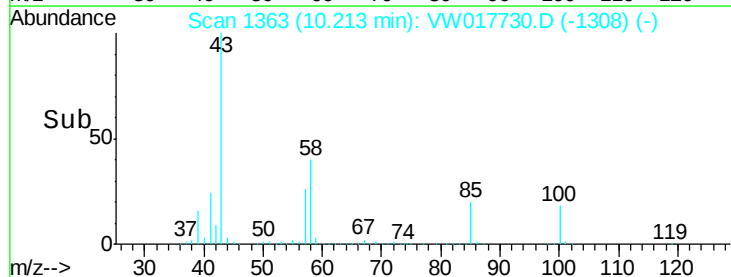
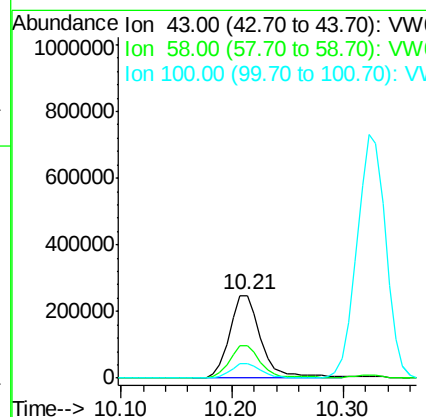
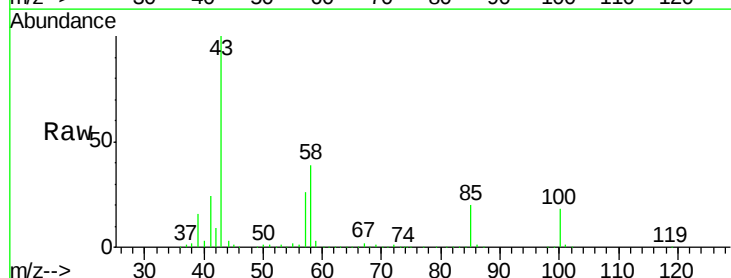
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

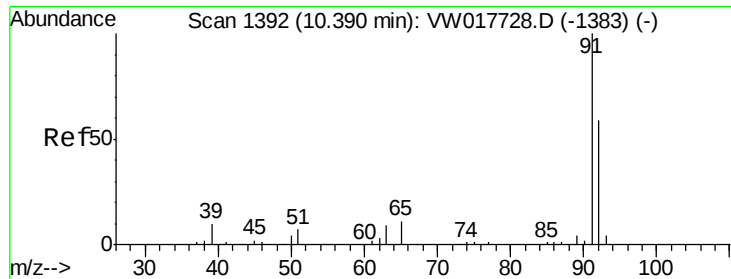
Tgt Ion: 75 Resp: 827759
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 189.060 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

Tgt Ion: 43 Resp: 485755
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.0 46.4
 100 17.2 13.5 20.3





#44

Toluene

Concen: 100.359 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

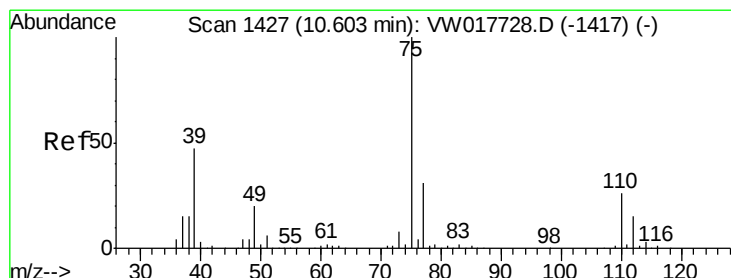
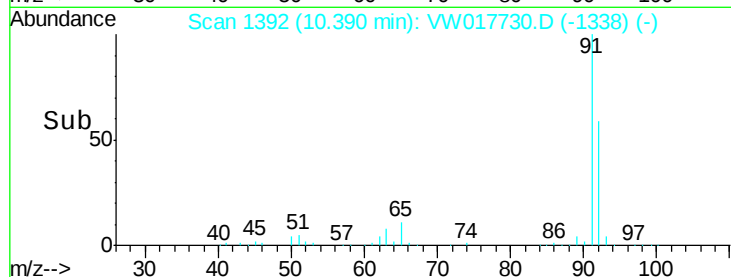
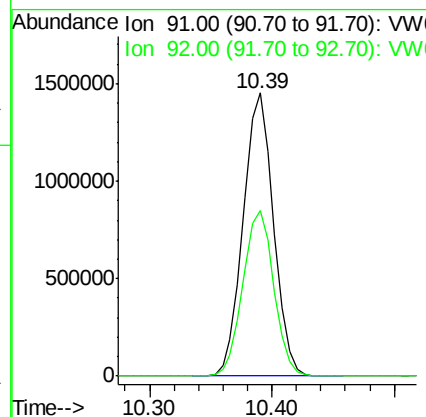
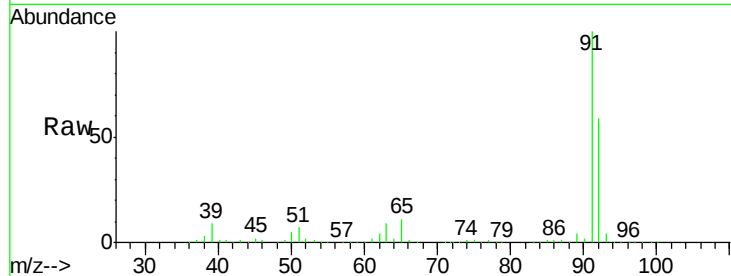
VSTD10005

Tgt Ion: 91 Resp: 2494820

Ion Ratio Lower Upper

91 100

92 58.5 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 99.829 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017730.D

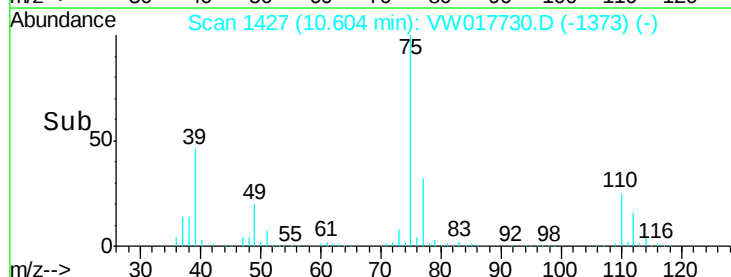
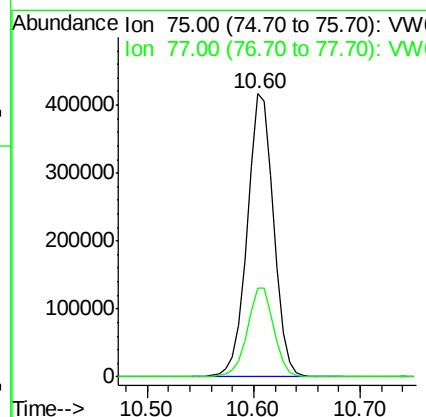
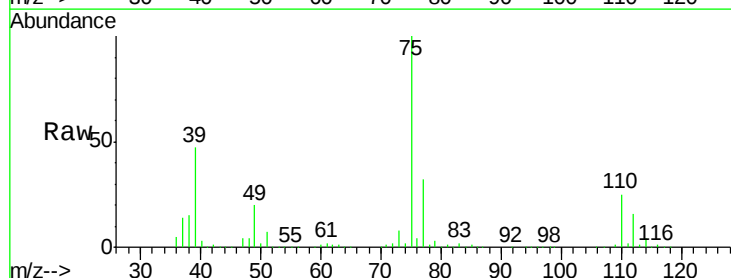
Acq: 24 Dec 2020 11:52

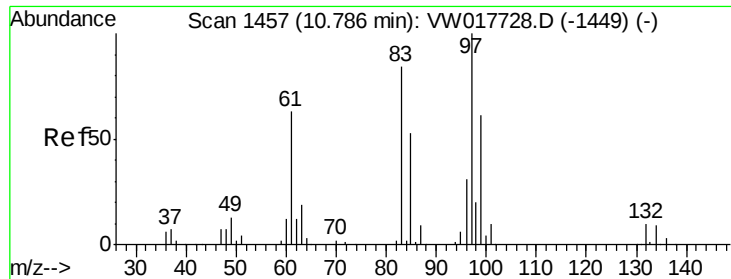
Tgt Ion: 75 Resp: 725038

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 89.118 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 97 Resp: 363039

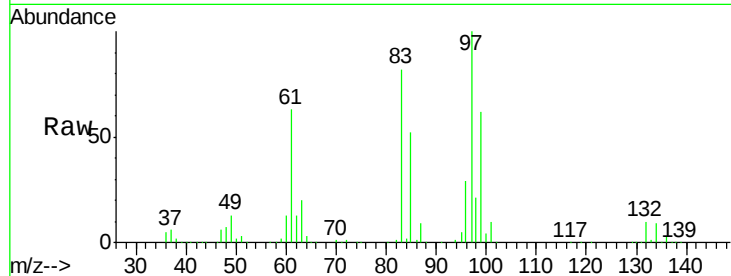
Ion Ratio Lower Upper

97 100

83 81.7 58.9 109.5

85 51.5 37.1 68.9

99 62.3 42.7 79.3

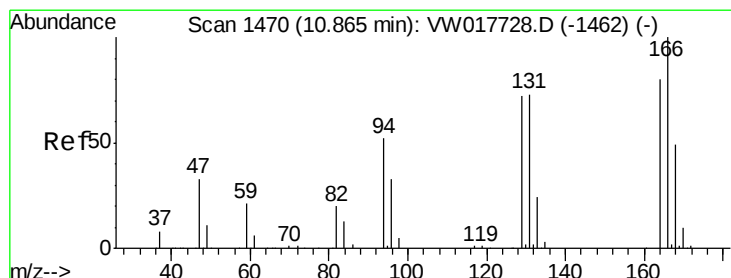
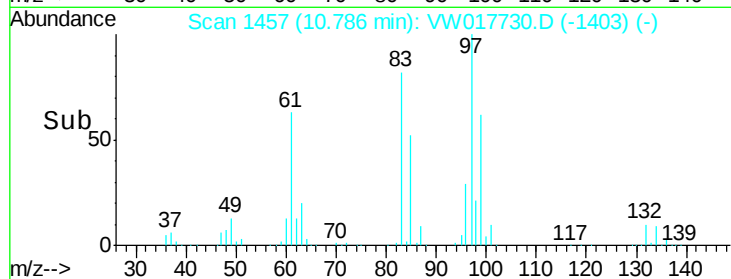
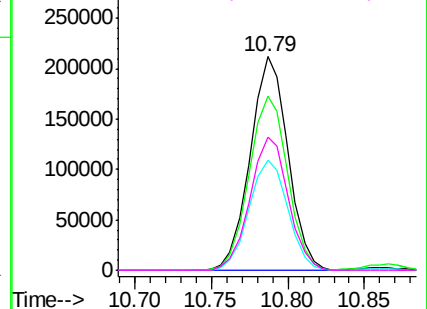


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 86.521 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Tgt Ion: 164 Resp: 463472

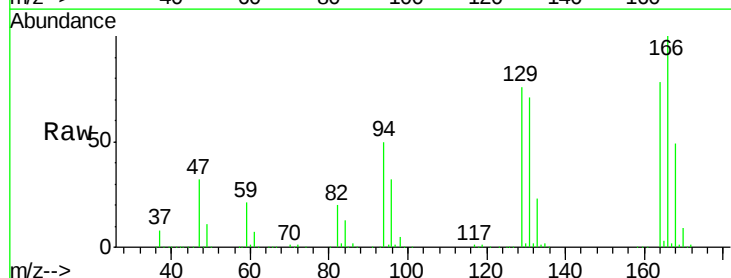
Ion Ratio Lower Upper

164 100

129 97.3 62.9 116.9

131 90.9 63.8 118.6

166 128.6 87.4 162.2

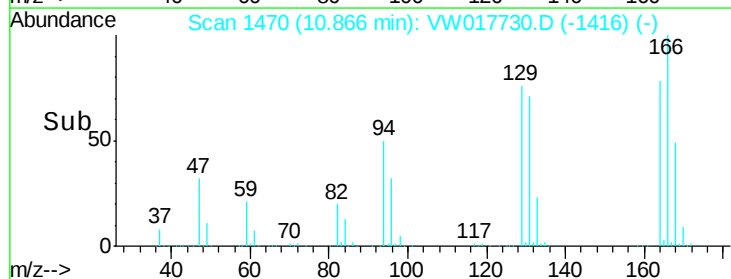
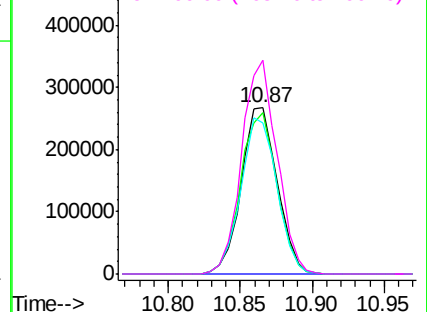


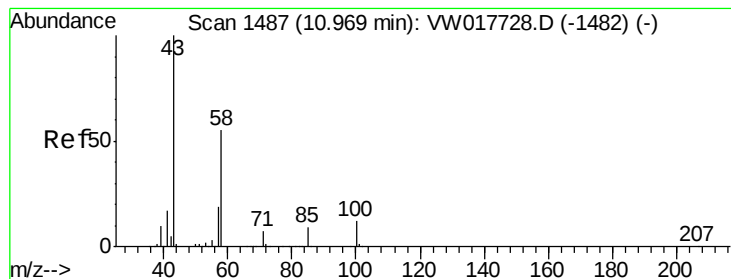
Abundance Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 189.950 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 43 Resp: 352363

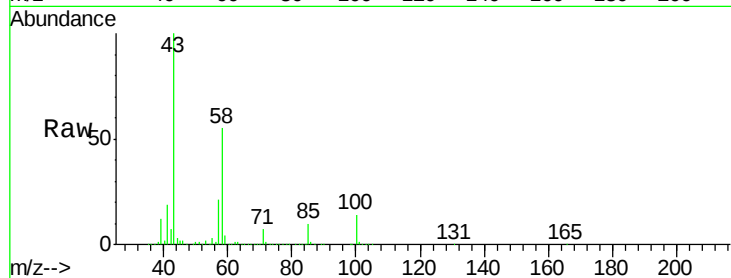
Ion Ratio Lower Upper

43 100

58 55.7 44.2 66.4

57 20.5 16.1 24.1

100 14.1 11.0 16.4

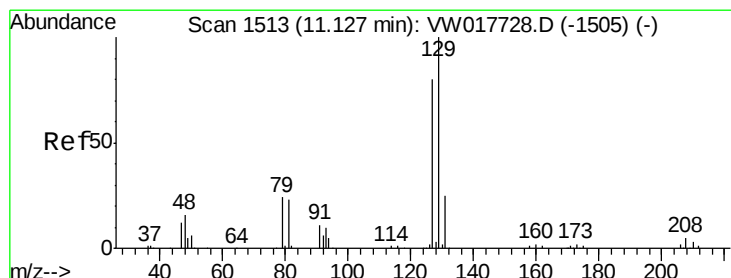
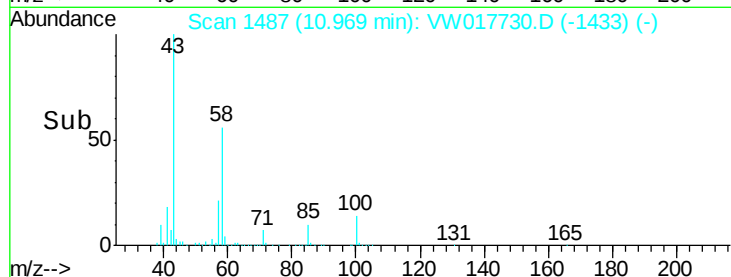
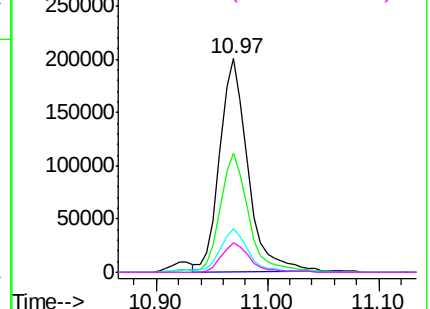


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 93.493 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017730.D

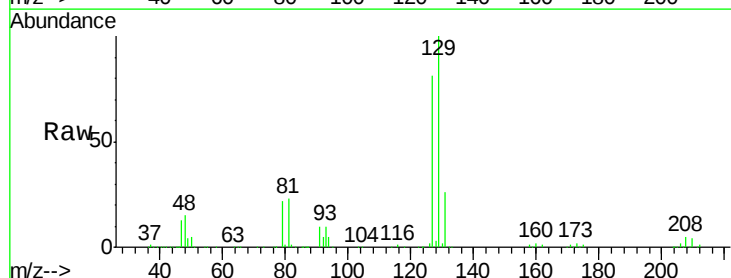
Acq: 24 Dec 2020 11:52

Tgt Ion: 129 Resp: 471862

Ion Ratio Lower Upper

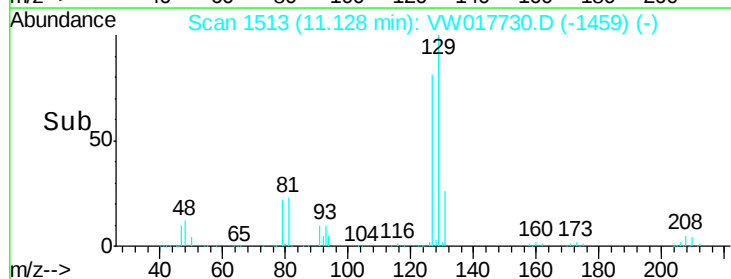
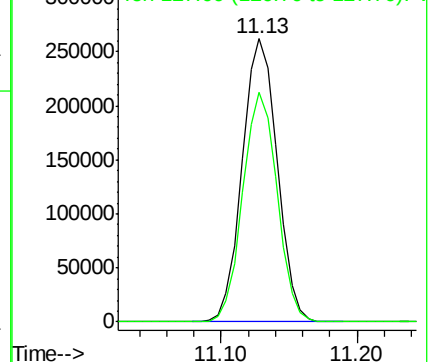
129 100

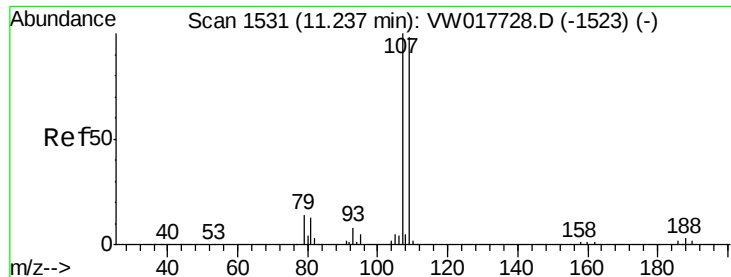
127 80.9 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 92.106 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

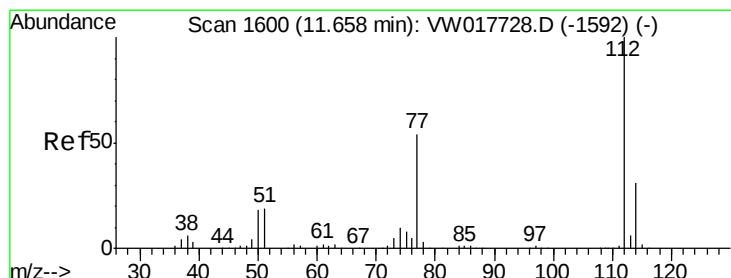
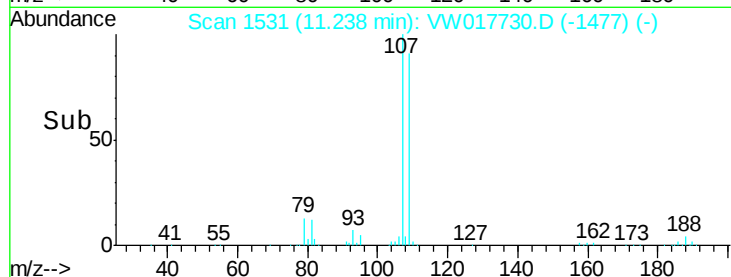
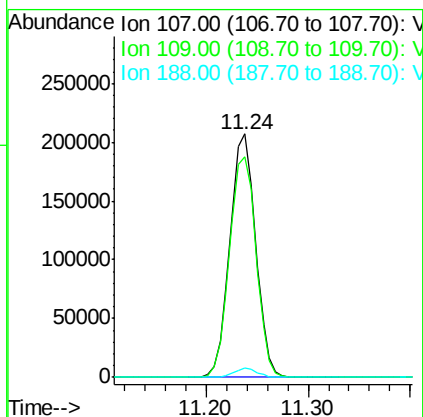
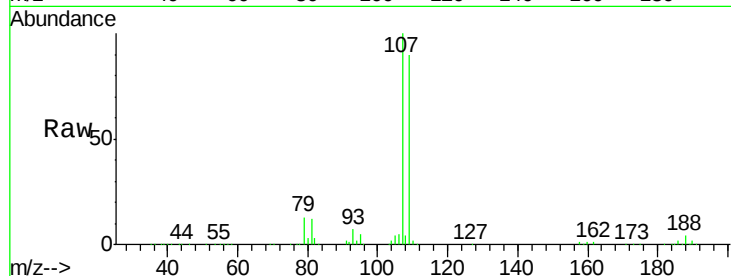
Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion:	107	Resp:	359112
Ion	Ratio	Lower	Upper
107	100		
109	90.5	68.5	127.1
188	3.8	2.7	4.1



#52

Chlorobenzene

Concen: 95.240 ug/L

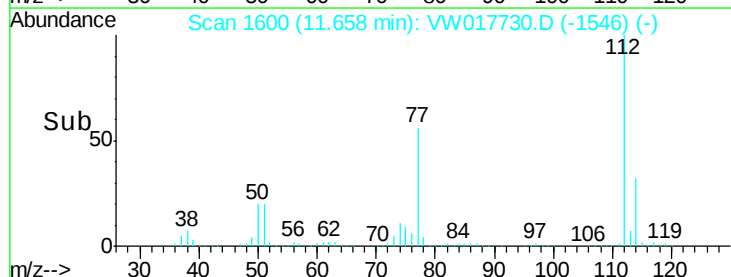
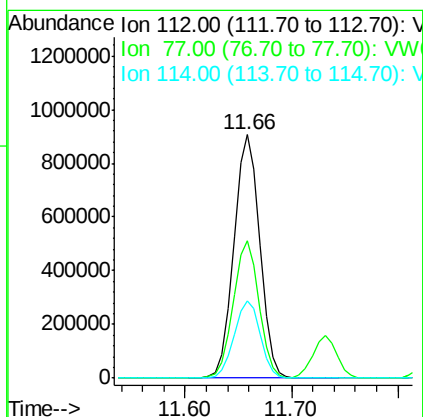
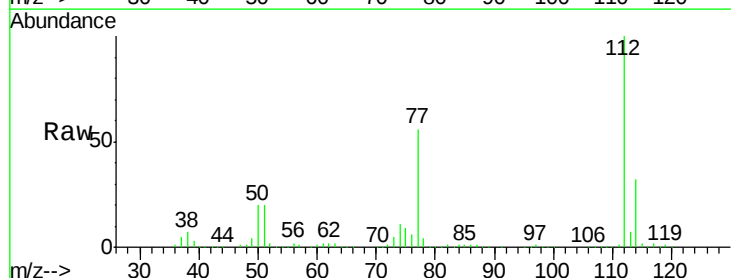
RT: 11.66 min Scan# 1600

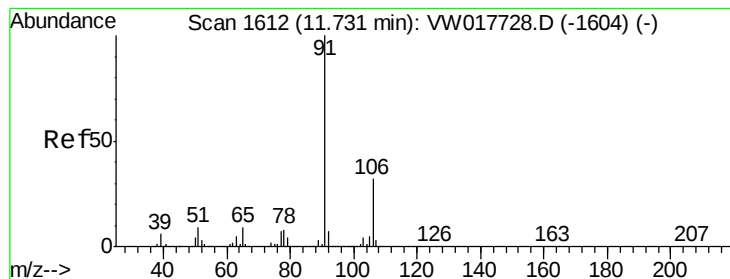
Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Tgt Ion:	112	Resp:	1543075
Ion	Ratio	Lower	Upper
112	100		
77	56.4	43.4	65.2
114	31.9	21.6	40.2





#53

Ethylbenzene

Concen: 100.755 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

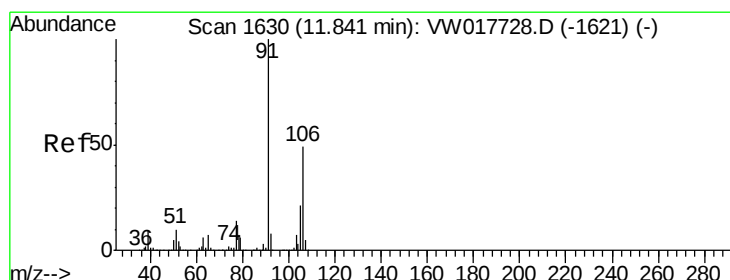
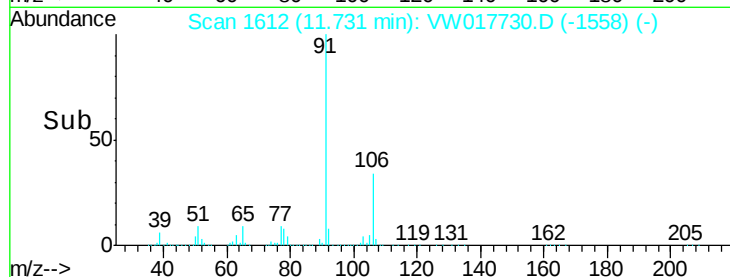
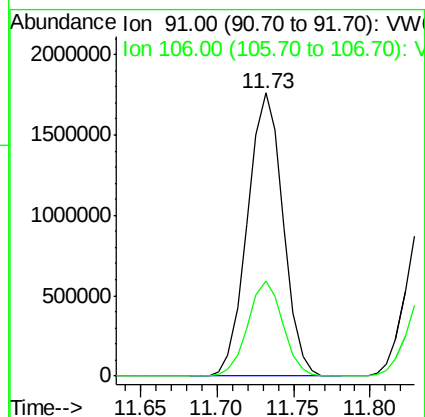
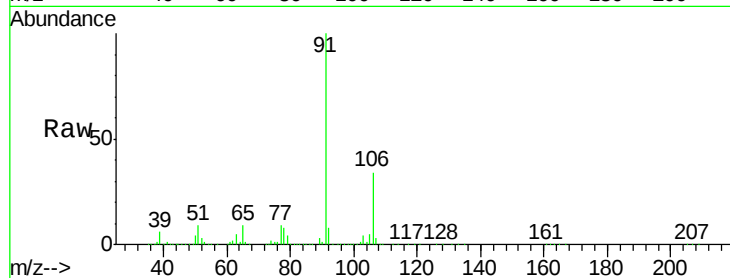
VSTD10005

Tgt Ion: 91 Resp: 2852969

Ion Ratio Lower Upper

91 100

106 33.5 22.0 41.0



#54

m,p-Xylene

Concen: 106.803 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017730.D

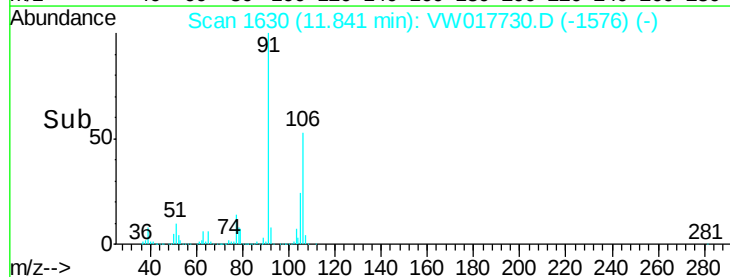
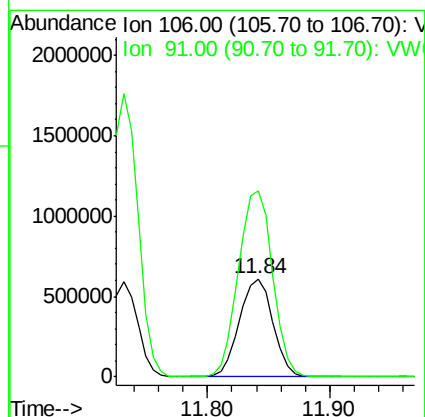
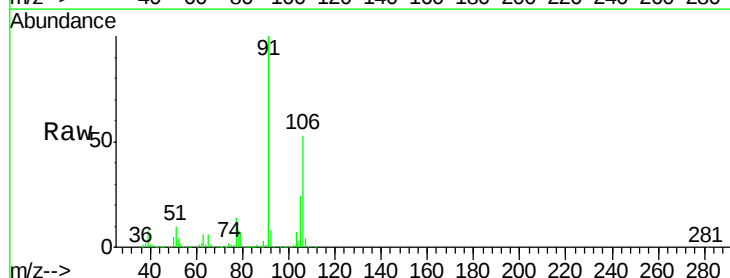
Acq: 24 Dec 2020 11:52

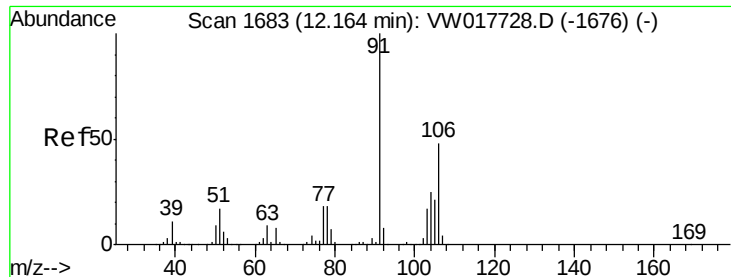
Tgt Ion: 106 Resp: 1157136

Ion Ratio Lower Upper

106 100

91 189.2 141.6 263.0

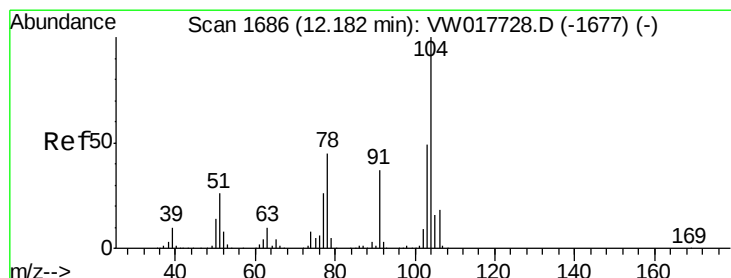
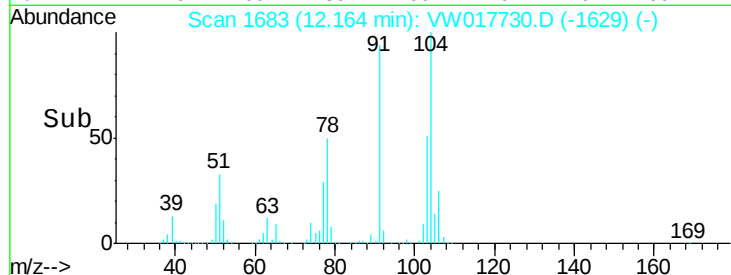
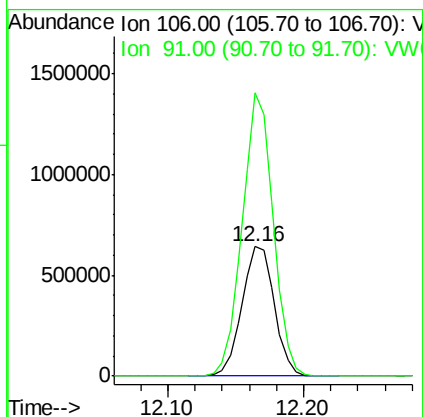
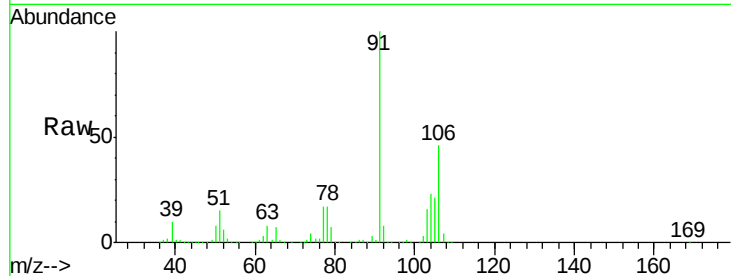




#55
o-xylene
Concen: 106.116 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

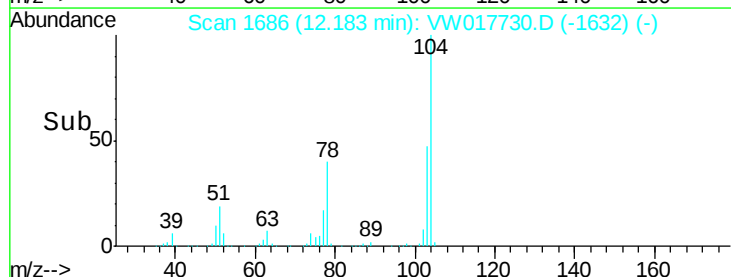
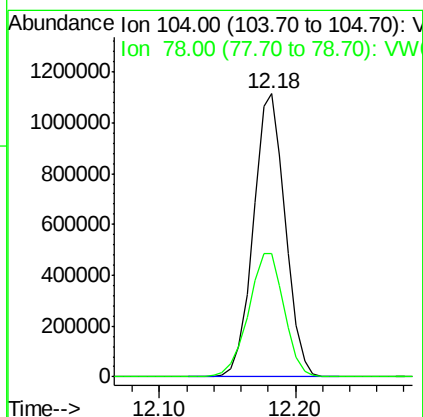
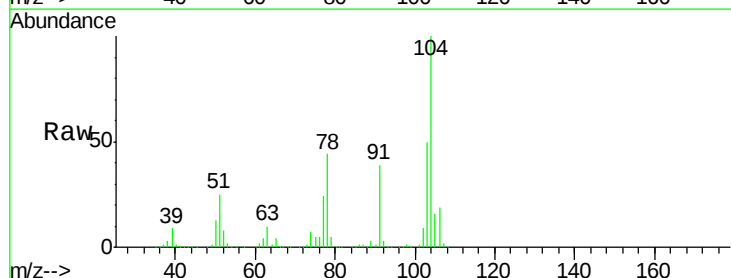
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

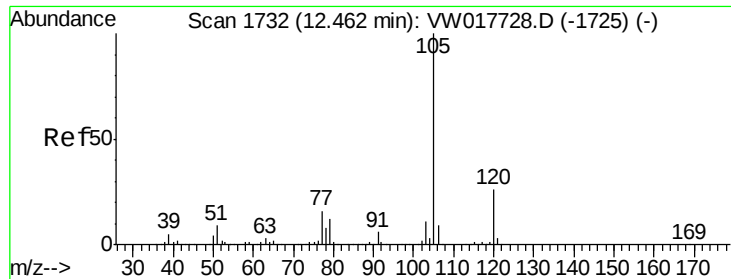
Tgt Ion:106 Resp: 1069418
Ion Ratio Lower Upper
106 100
91 218.2 145.7 270.7



#56
Styrene
Concen: 107.767 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017730.D
Acq: 24 Dec 2020 11:52

Tgt Ion:104 Resp: 1826248
Ion Ratio Lower Upper
104 100
78 43.7 31.6 58.8





#57

Isopropylbenzene

Concen: 108.676 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

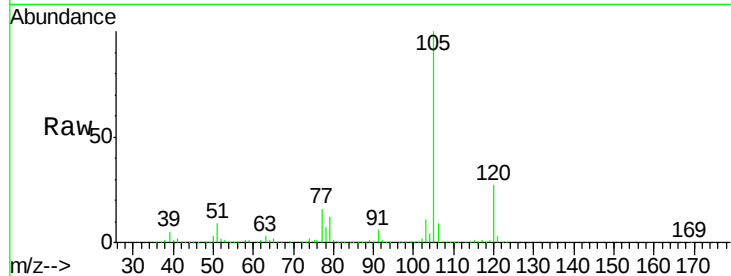
Tgt Ion:105 Resp: 3008323

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.2

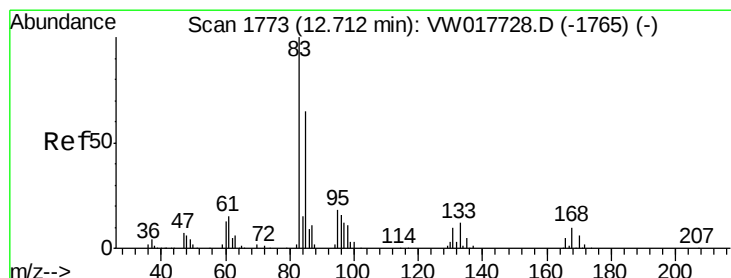
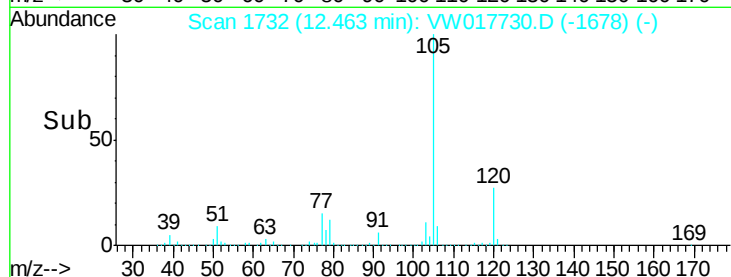
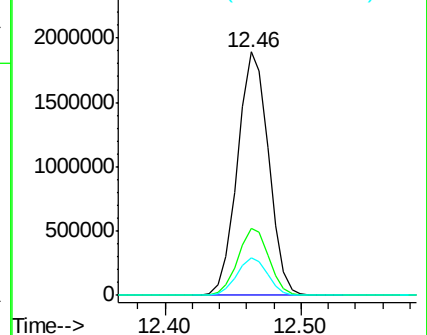
77 15.2 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 92.970 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

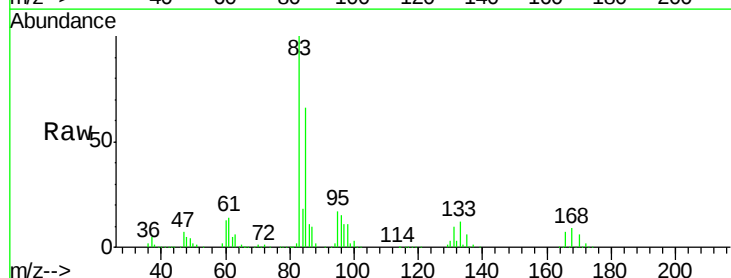
Tgt Ion: 83 Resp: 413094

Ion Ratio Lower Upper

83 100

85 65.8 45.6 84.8

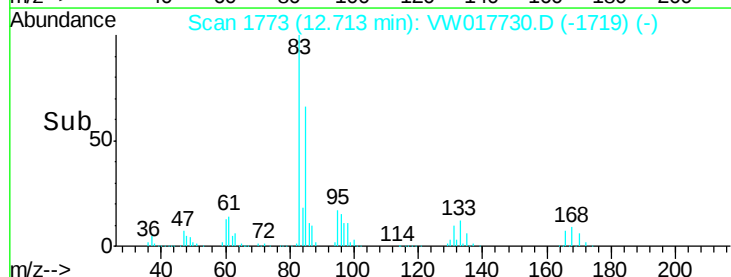
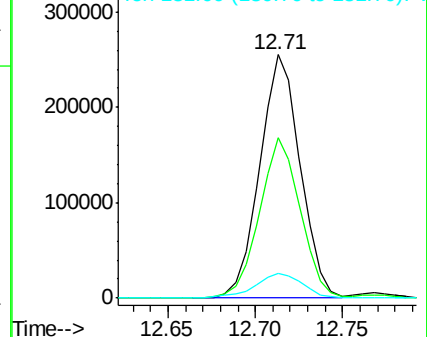
131 10.2 7.8 11.8

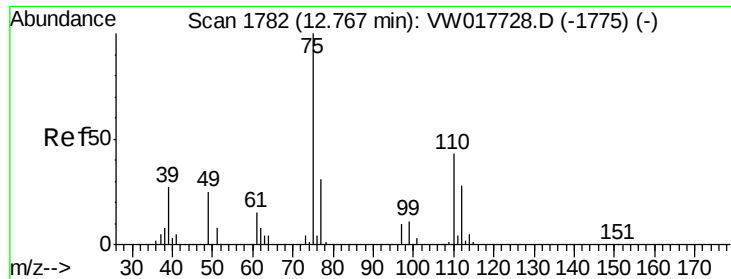


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

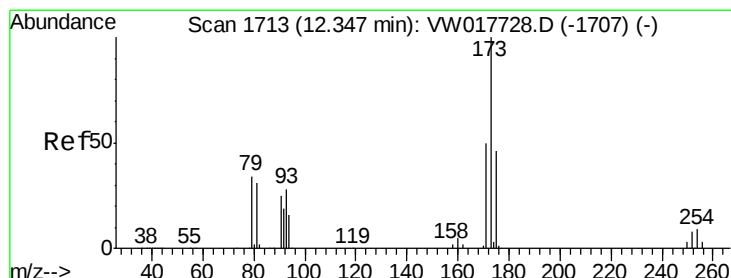
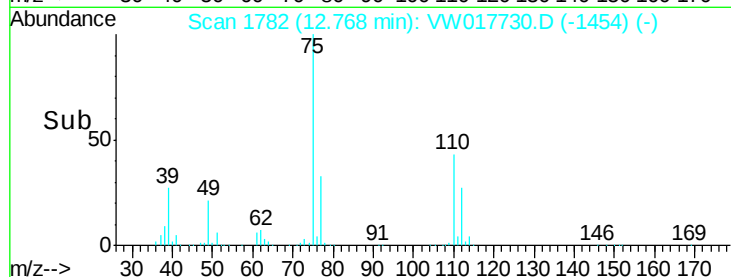
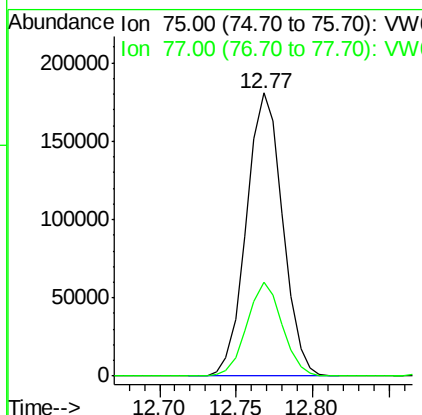
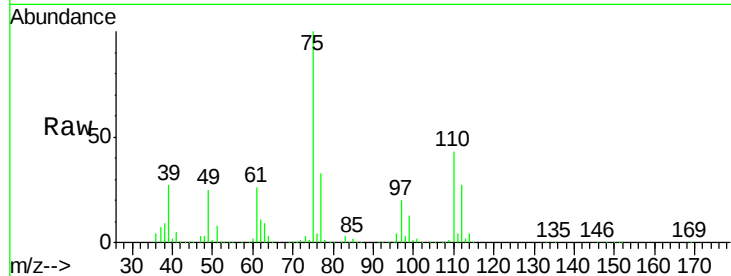




#59
 1,2,3-Trichloropropane
 Concen: 90.768 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

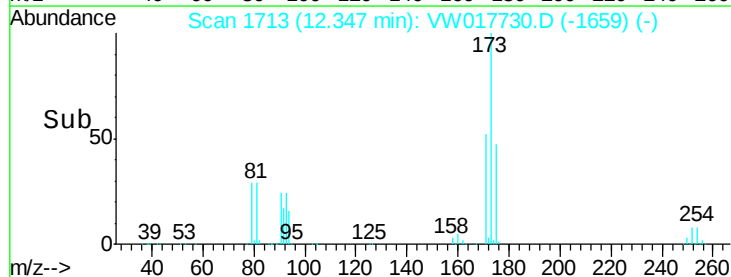
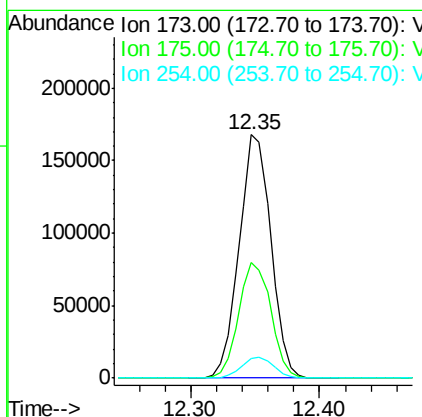
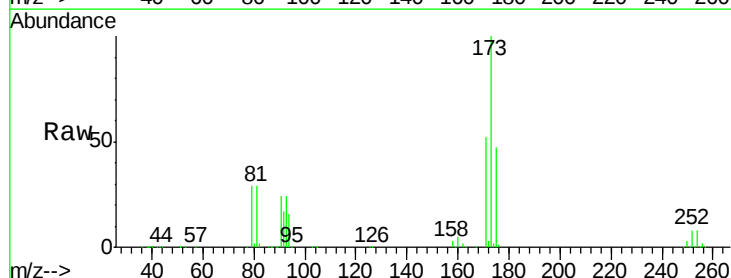
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

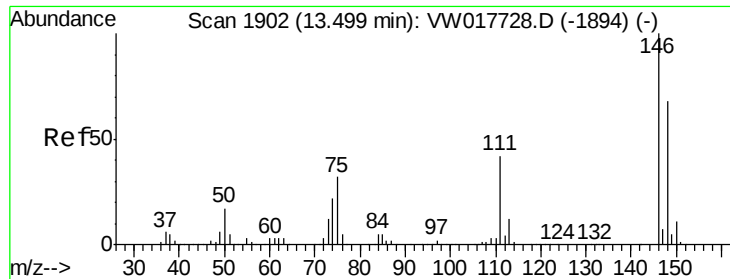
Tgt Ion: 75 Resp: 298353
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0



#62
 Bromoform
 Concen: 100.419 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

Tgt Ion: 173 Resp: 286357
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.1 57.1
 254 8.4 6.7 10.1

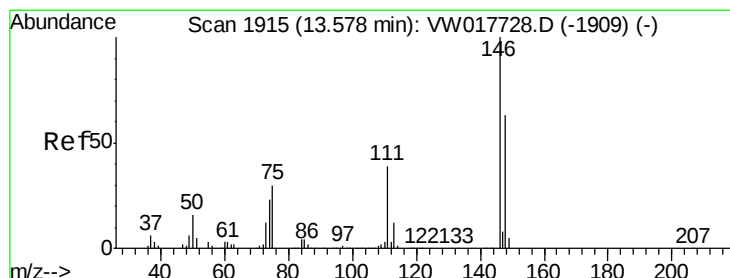
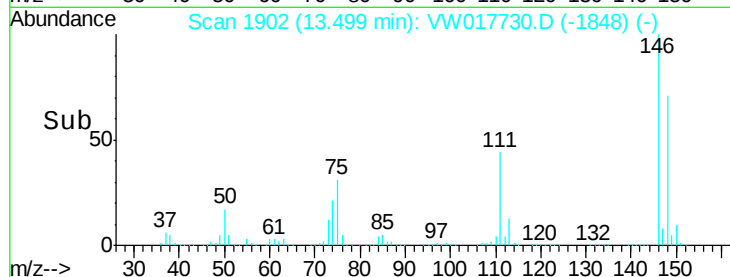
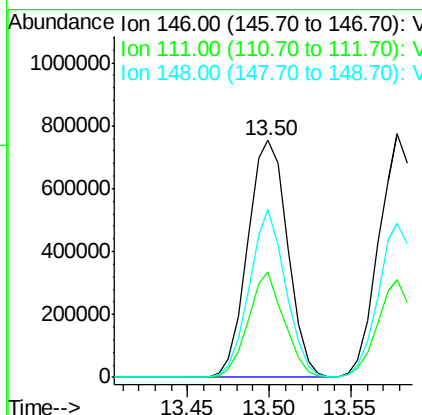
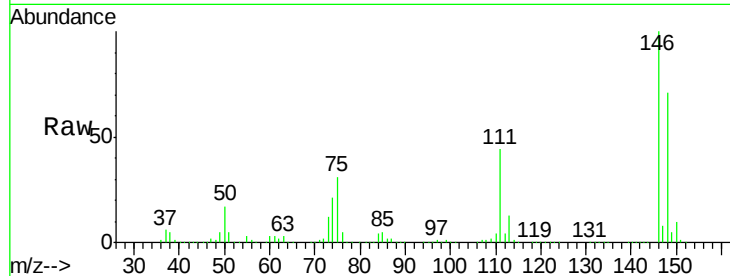




#63
 1,3-Dichlorobenzene
 Concen: 98.395 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

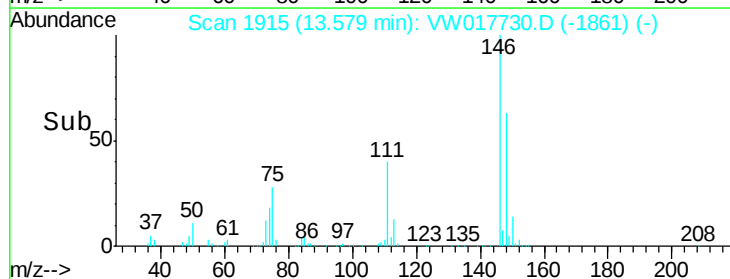
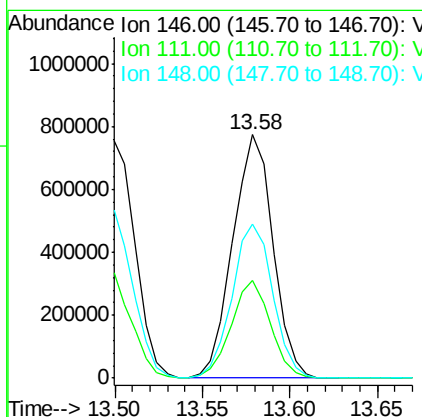
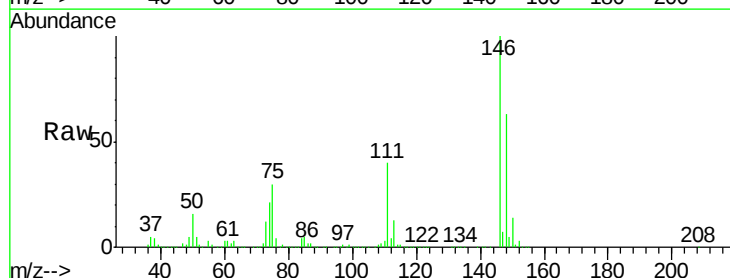
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10005

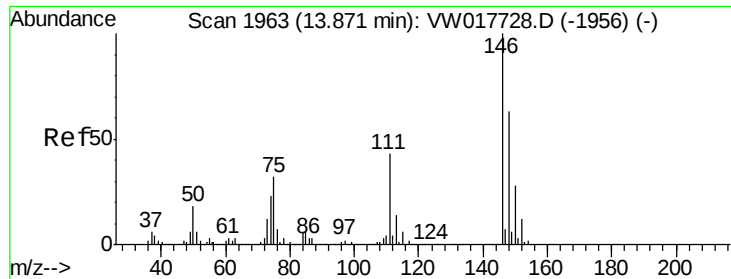
Tgt Ion:146 Resp: 1277197
 Ion Ratio Lower Upper
 146 100
 111 44.4 29.5 54.7
 148 70.7 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 95.493 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

Tgt Ion:146 Resp: 1236261
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.7 51.5
 148 63.4 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 95.298 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

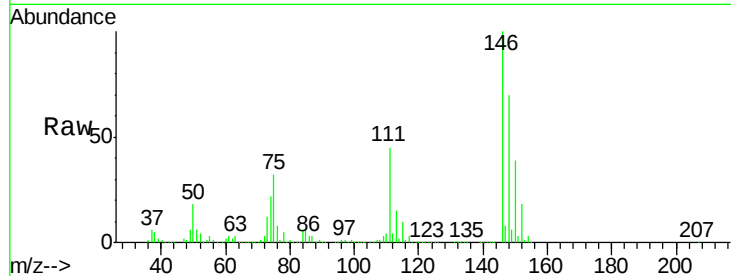
Tgt Ion:146 Resp: 1076954

Ion Ratio Lower Upper

146 100

111 44.7 34.4 51.6

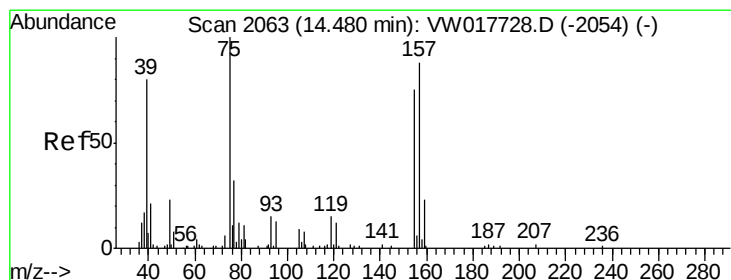
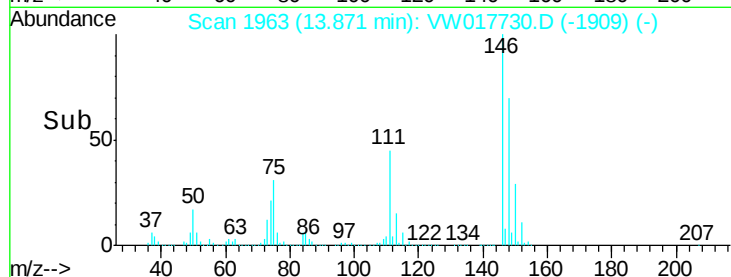
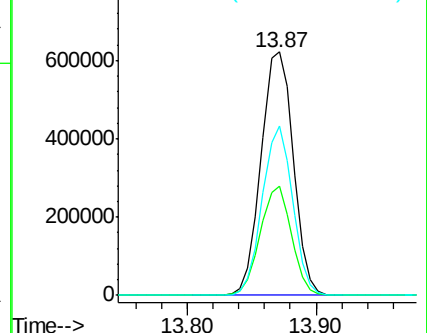
148 69.6 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 91.931 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

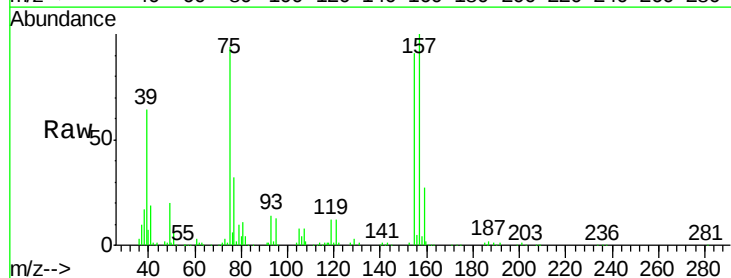
Tgt Ion: 75 Resp: 69134

Ion Ratio Lower Upper

75 100

157 106.2 70.2 105.4#

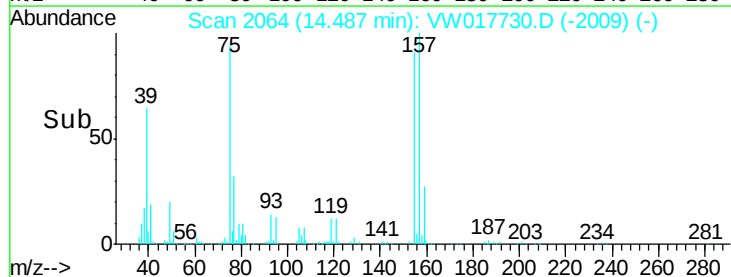
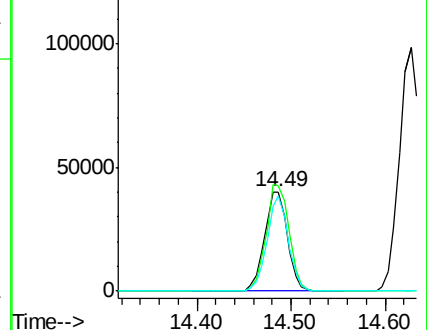
155 96.1 59.8 89.6#

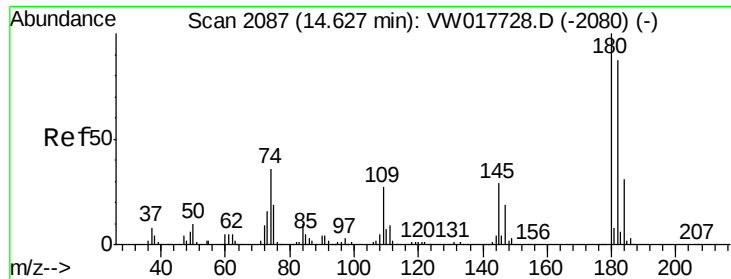


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

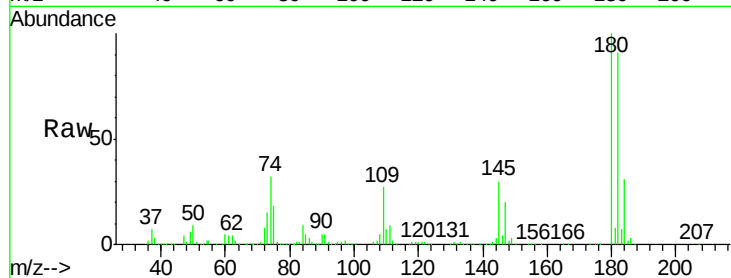




#67
 1,3,5-Trichlorobenzene
 Concen: 91.474 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.2
184	31.2	23.6	35.4
145	31.8	25.2	37.8



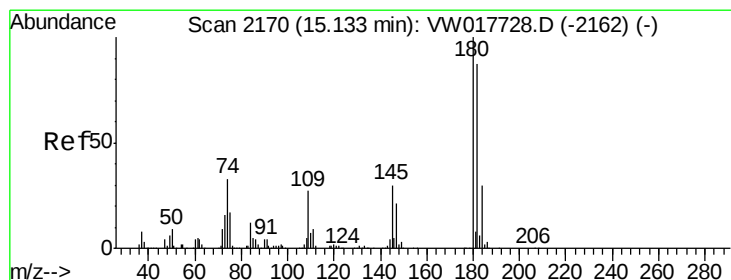
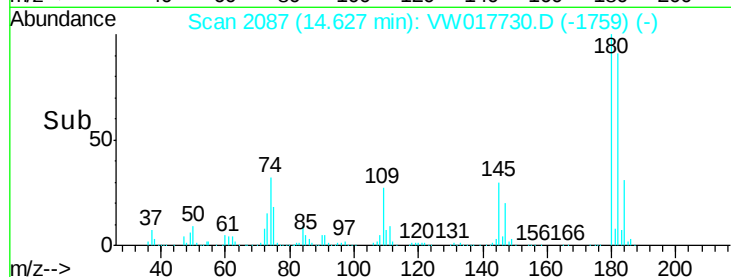
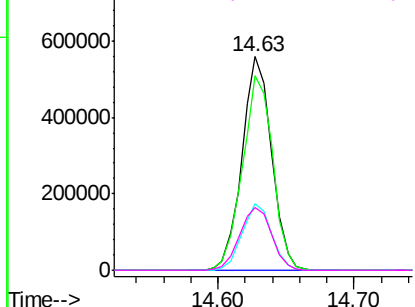
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

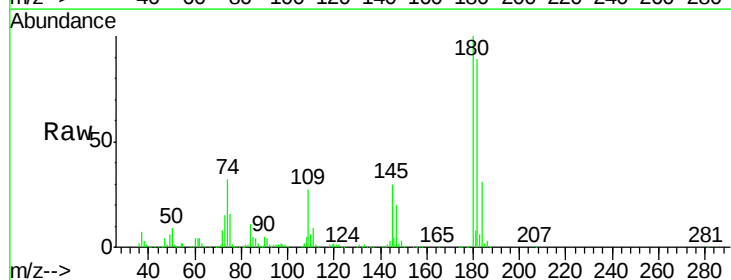
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 93.341 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017730.D
 Acq: 24 Dec 2020 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	73.0	109.6
145	32.3	25.8	38.6

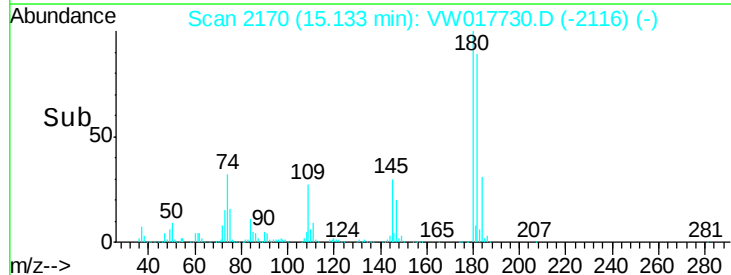
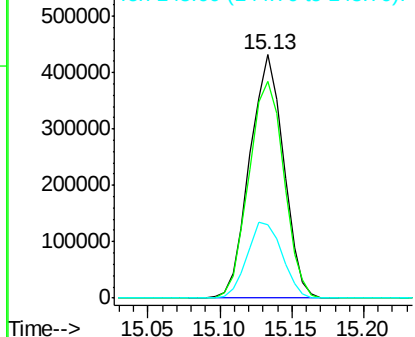


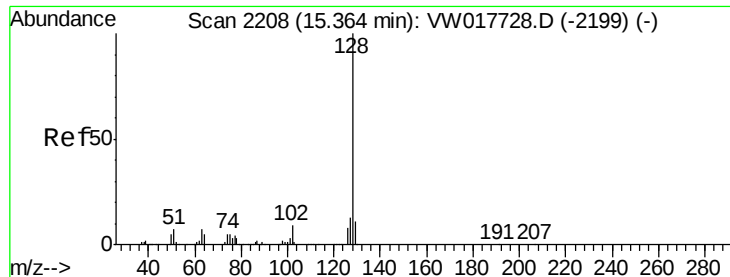
Abundance

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: 110.135 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

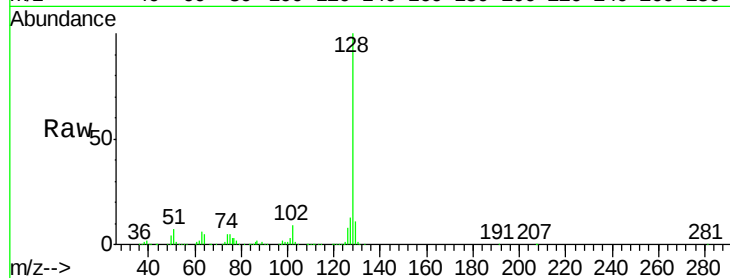
Tgt Ion:128 Resp: 1341498

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

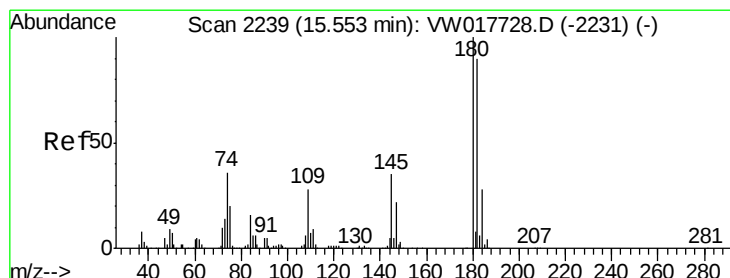
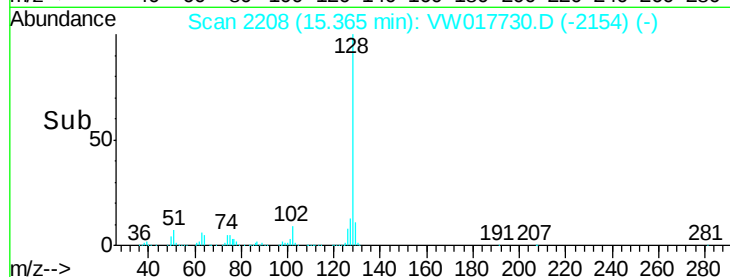
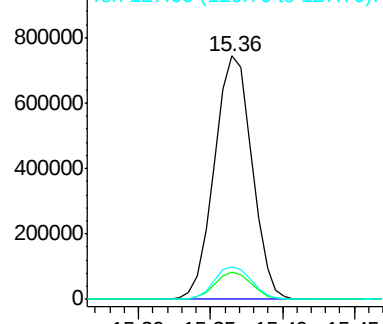
127 13.4 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 96.973 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017730.D

Acq: 24 Dec 2020 11:52

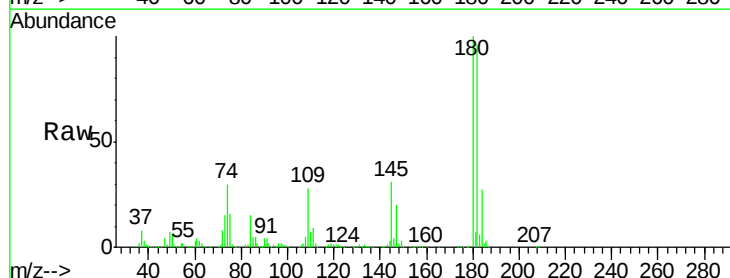
Tgt Ion:180 Resp: 604010

Ion Ratio Lower Upper

180 100

182 95.6 74.8 112.2

145 34.0 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

