

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091820\
 Data File : VW016580.D
 Acq On : 18 Sep 2020 11:45
 Operator : SY/VA
 Sample : VSTD10003
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

Quant Time: Sep 18 12:53:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 18 12:48:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	558525	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	506654	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	245043	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	648410	103.93	ug/L	0.00
7) Chloroethane-d5	2.90	69	535510	104.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	1330509	101.06	ug/L	0.00
21) 2-Butanone-d5	7.09	46	296032	209.83	ug/L	0.00
24) Chloroform-d	7.65	84	1339676	101.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	678718	101.00	ug/L	0.00
32) Benzene-d6	8.28	84	2541274	98.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	700926	98.49	ug/L	0.00
41) Toluene-d8	10.33	98	2484249	98.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	365980	106.02	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	244366	218.18	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	569365	102.77	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.86	152	911987	102.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	698660	103.742 ug/L	93
3) Chloromethane	2.23	50	568369	106.494 ug/L	98
5) Vinyl chloride	2.38	62	754162	98.576 ug/L	100
6) Bromomethane	2.79	94	628888	107.004 ug/L	97
8) Chloroethane	2.94	64	466546	102.587 ug/L	98
9) Trichlorofluoromethane	3.28	101	804462	110.864 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.09	101	725366	100.704 ug/L	98
12) 1,1-Dichloroethene	4.05	96	725692	100.709 ug/L	92
13) Acetone	4.14	43	181208	185.949 ug/L	97
14) Carbon disulfide	4.40	76	2145839	100.302 ug/L	99
15) Methyl Acetate	4.68	43	247843	106.083 ug/L	98
16) Methylene chloride	4.93	84	678269	82.864 ug/L	95
17) trans-1,2-Dichloroethene	5.43	96	756189	101.171 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	887019	96.615 ug/L	100
19) 1,1-Dichloroethane	6.23	63	1189171	100.440 ug/L	99
20) cis-1,2-Dichloroethene	7.18	96	778960	100.262 ug/L	94
22) 2-Butanone	7.18	43	305318	188.666 ug/L	99
23) Bromochloromethane	7.52	128	375351	102.757 ug/L	97
25) Chloroform	7.68	83	1289725	99.573 ug/L	99
27) 1,2-Dichloroethane	8.41	62	811785	100.940 ug/L	99
29) Cyclohexane	7.96	56	1080218	95.498 ug/L	100
30) 1,1,1-Trichloroethane	7.88	97	1167035	96.672 ug/L	100
31) Carbon tetrachloride	8.08	117	1153935	98.155 ug/L	99
33) Benzene	8.33	78	2646862	94.305 ug/L	100
34) Trichloroethene	9.10	95	789145	98.017 ug/L	97
35) Methylcyclohexane	9.34	83	1309599	97.379 ug/L	100
37) 1,2-Dichloropropane	9.37	63	612499	95.706 ug/L	100
38) Bromodichloromethane	9.65	83	951658	100.272 ug/L	98
39) cis-1,3-Dichloropropene	10.08	75	1107923	101.417 ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	711605	198.449 ug/L	99

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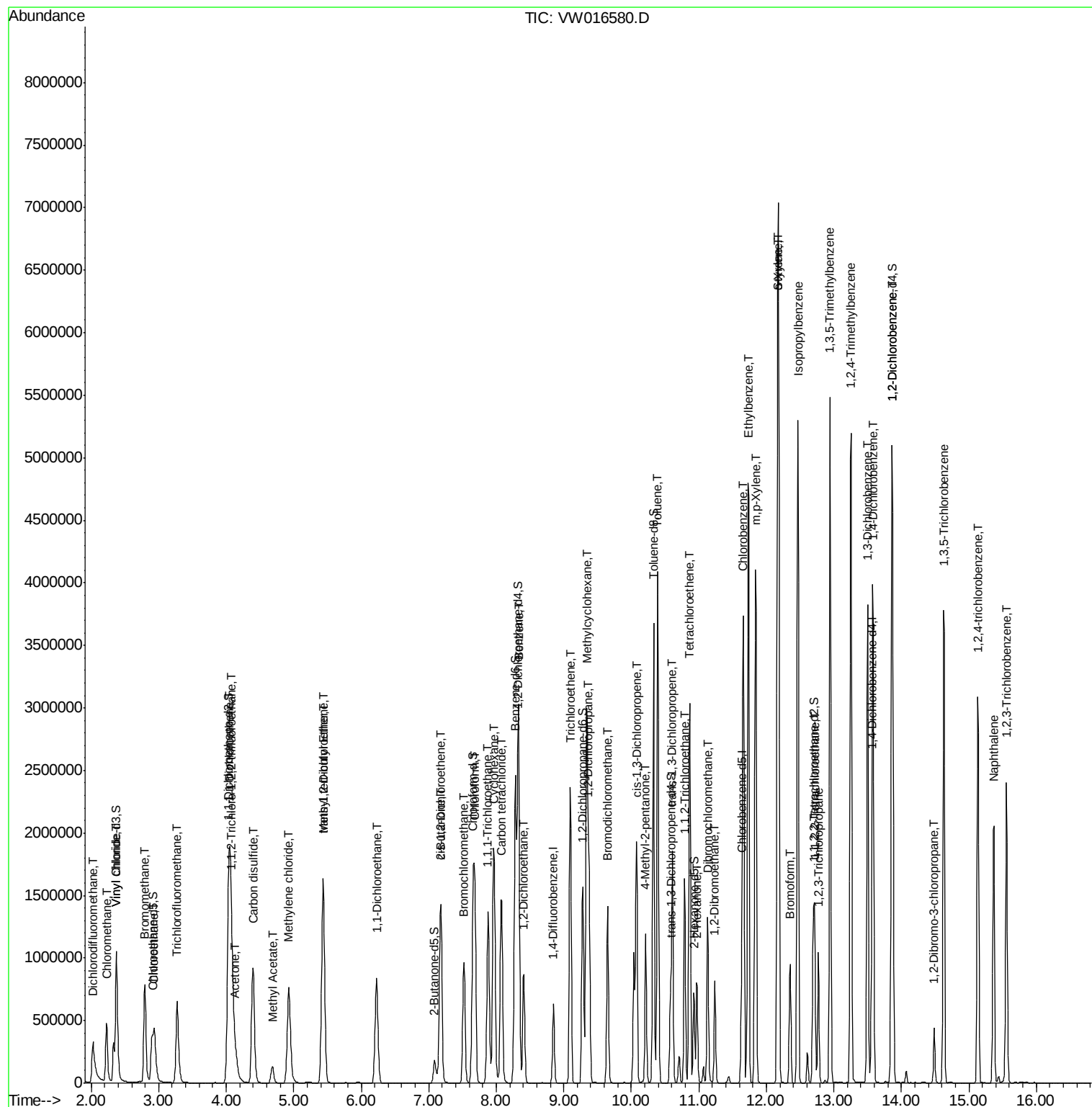
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	3034170	95.957	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	973428	103.892	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	517204	99.500	ug/L	97
46) Tetrachloroethene	10.87	164	706319	97.258	ug/L	93
48) 2-Hexanone	10.97	43	482293	213.110	ug/L	99
49) Dibromochloromethane	11.13	129	710171	104.085	ug/L	99
50) 1,2-Dibromoethane	11.24	107	528526	102.663	ug/L	98
51) Chlorobenzene	11.66	112	2027890	96.713	ug/L	99
52) Ethylbenzene	11.73	91	3421335	96.099	ug/L	96
53) m,p-Xylene	11.84	106	1353539	97.593	ug/L	100
54) o-Xylene	12.17	106	1300088	99.037	ug/L	99
55) Styrene	12.18	104	2216121	101.389	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.72	83	571337	102.088	ug/L	98
59) Bromoform	12.35	173	448124	113.284	ug/L	97
60) Isopropylbenzene	12.47	105	3581784	100.117	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	416616	103.171	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	2971444	100.928	ug/L	100
63) 1,2,4-Trimethylbenzene	13.26	105	2943819	100.603	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	1596368	97.228	ug/L	94
65) 1,4-Dichlorobenzene	13.58	146	1593959	98.984	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	1435227	98.803	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.49	75	101402	106.830	ug/L	95
69) 1,3,5-Trichlorobenzene	14.63	180	1209453	99.800	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	1052103	107.496	ug/L	97
71) Naphthalene	15.37	128	1869962	113.848	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	885190	107.716	ug/L	99

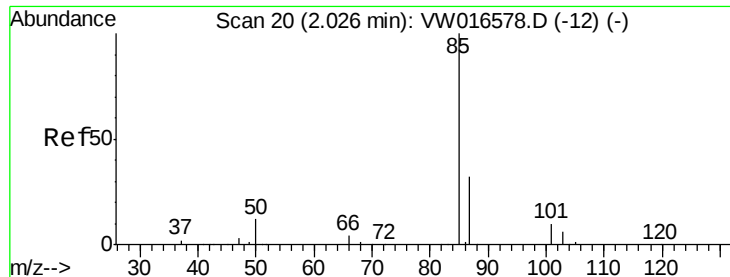
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 103.742 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

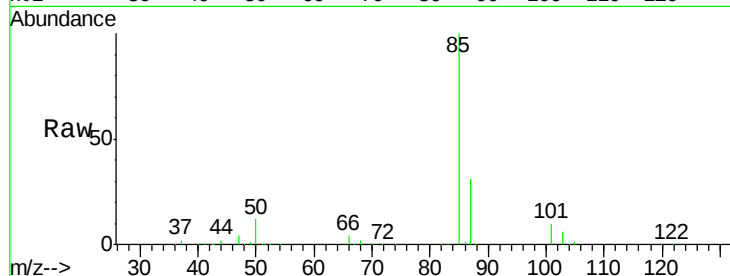
VSTD100103

Tgt Ion: 85 Resp: 698660

Ion Ratio Lower Upper

85 100

87 30.3 21.4 32.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.02

200000

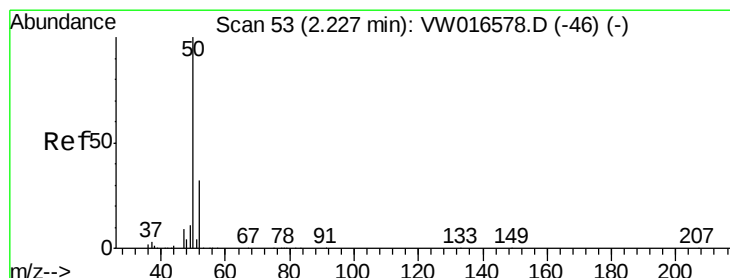
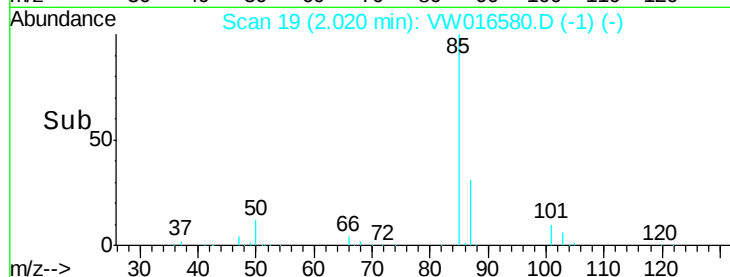
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 106.494 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016580.D

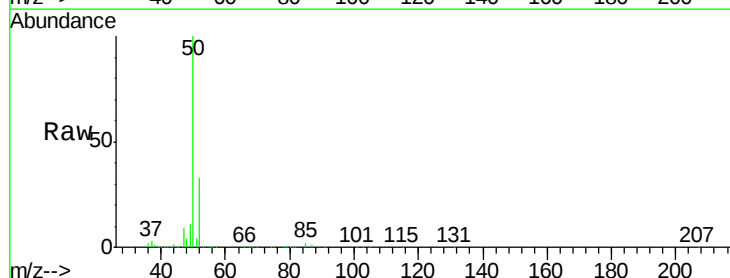
Acq: 18 Sep 2020 11:45

Tgt Ion: 50 Resp: 568369

Ion Ratio Lower Upper

50 100

52 32.8 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.23

300000

250000

200000

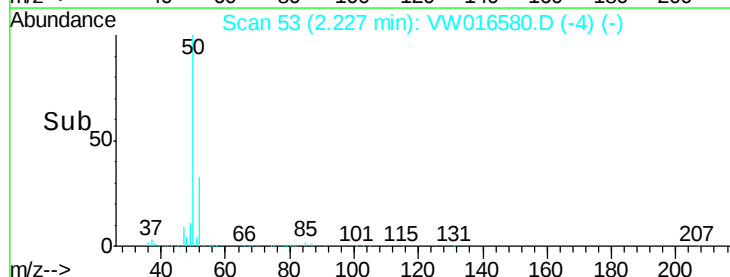
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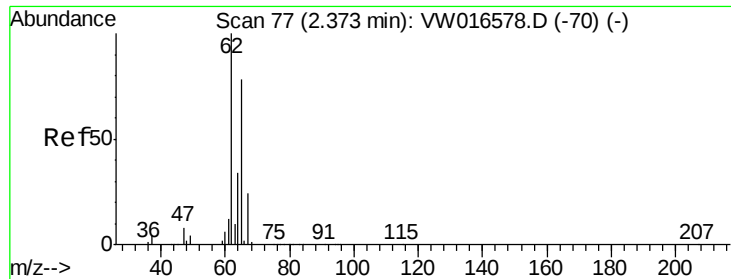
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 98.576 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

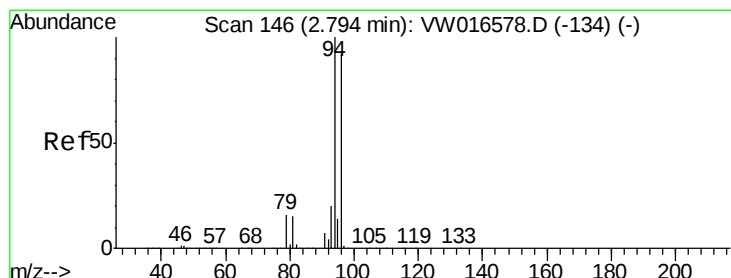
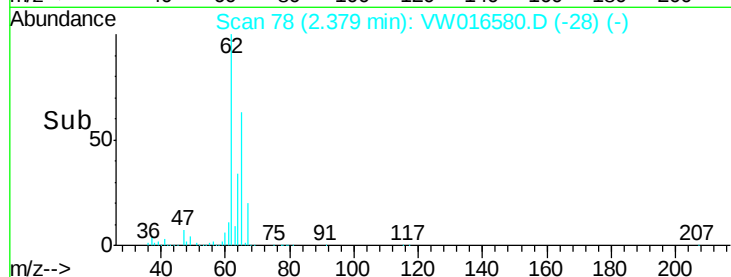
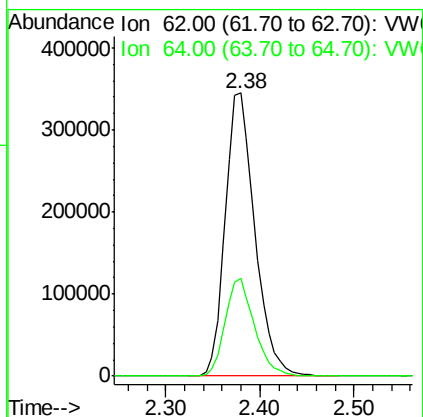
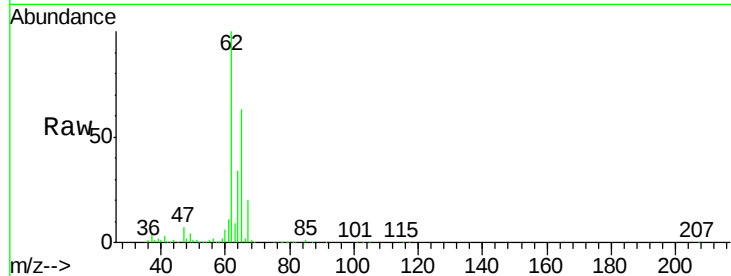
VSTD100103

Tgt Ion: 62 Resp: 754162

Ion Ratio Lower Upper

62 100

64 34.4 24.1 44.7



#6

Bromomethane

Concen: 107.004 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016580.D

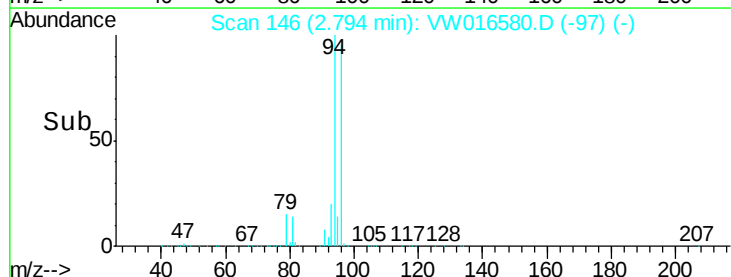
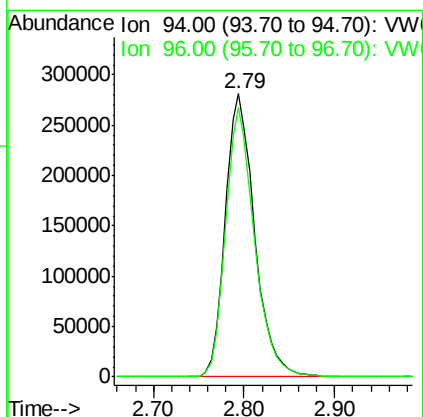
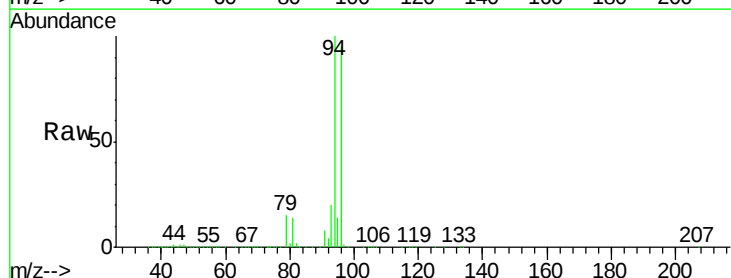
Acq: 18 Sep 2020 11:45

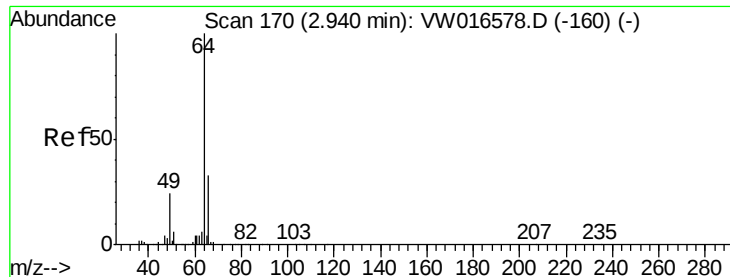
Tgt Ion: 94 Resp: 628888

Ion Ratio Lower Upper

94 100

96 94.9 64.2 119.2





#8

Chloroethane

Concen: 102.587 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

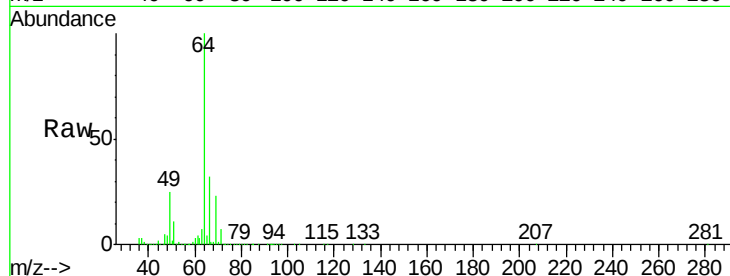
VSTD100103

Tgt Ion: 64 Resp: 466546

Ion Ratio Lower Upper

64 100

66 32.4 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.94

150000

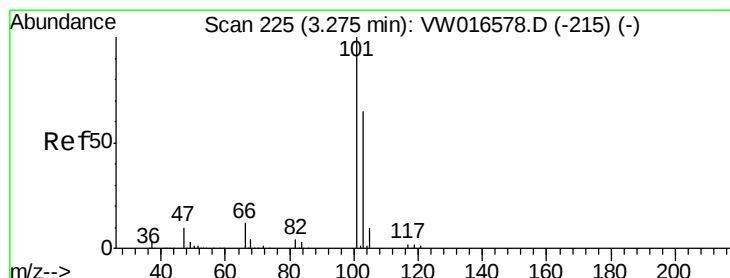
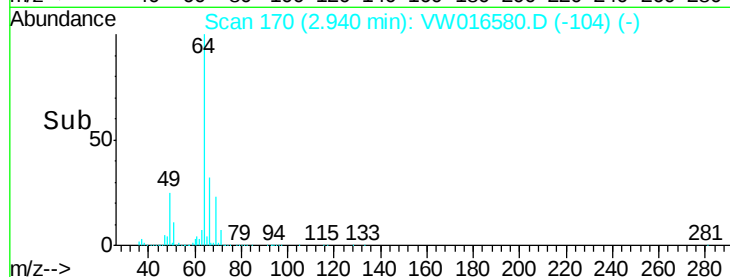
100000

50000

0

Time-->

2.80 2.90 3.00 3.10



#9

Trichlorofluoromethane

Concen: 110.864 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.00 min

Lab File: VW016580.D

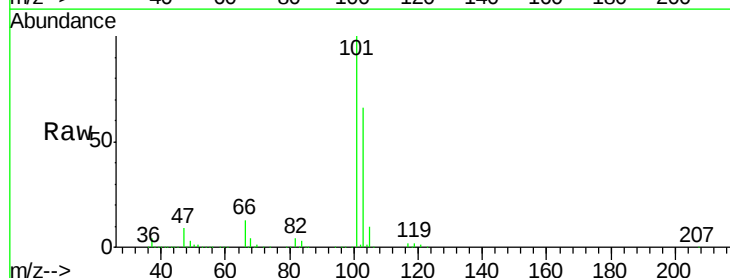
Acq: 18 Sep 2020 11:45

Tgt Ion: 101 Resp: 804462

Ion Ratio Lower Upper

101 100

103 65.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.28

300000

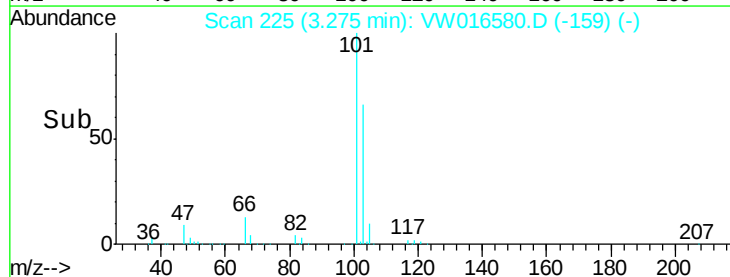
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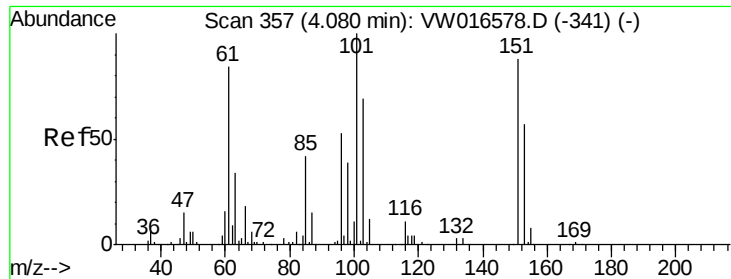
100000

0

Time-->

3.20 3.30 3.40





#10

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

Concen: 100.704 ug/L

RT: 4.09 min Scan# 358

Delta R.T. 0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD100103

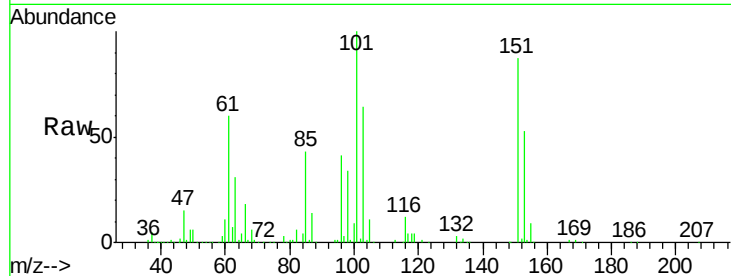
Tgt Ion: 101 Resp: 725366

Ion Ratio Lower Upper

101 100

85 43.2 32.2 48.2

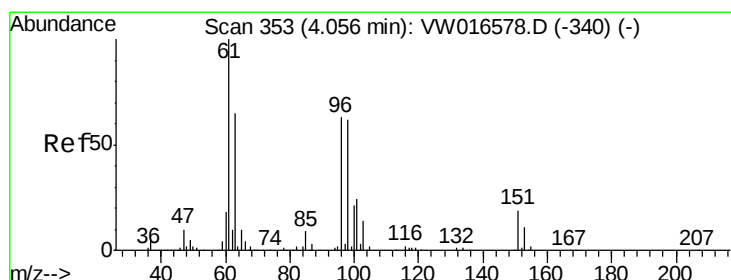
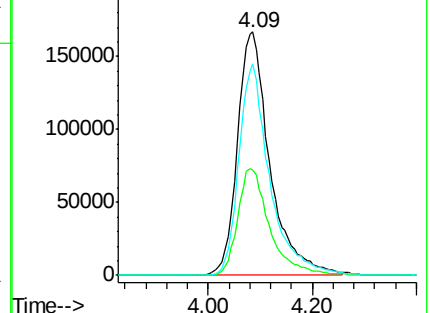
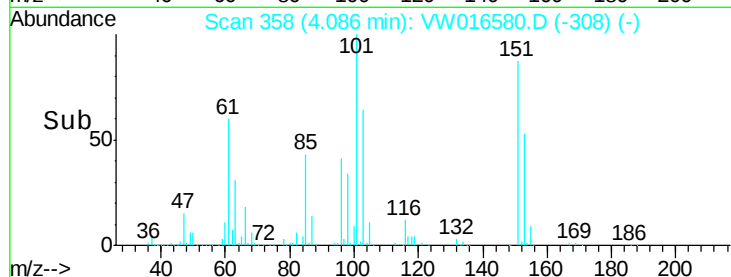
151 82.7 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 100.709 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

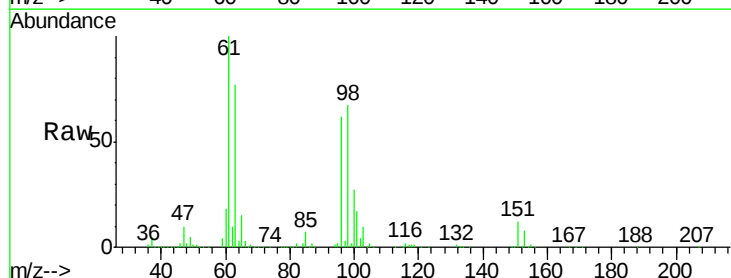
Tgt Ion: 96 Resp: 725692

Ion Ratio Lower Upper

96 100

61 162.2 112.1 208.3

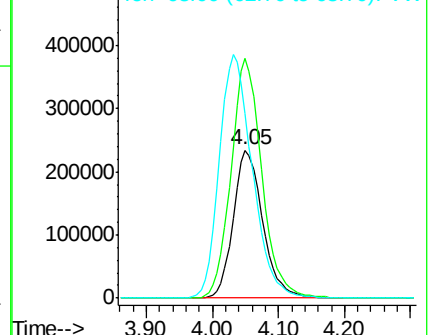
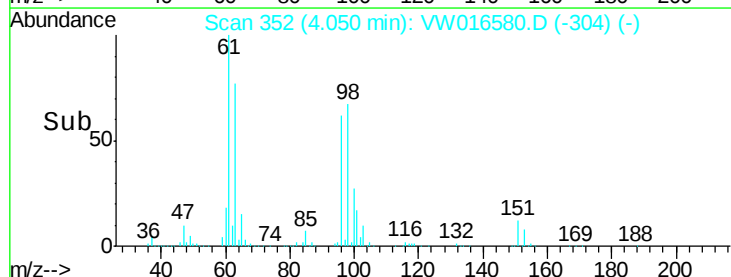
63 124.6 74.2 137.8

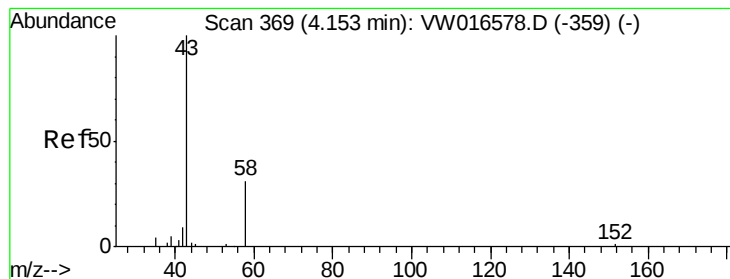


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 185.949 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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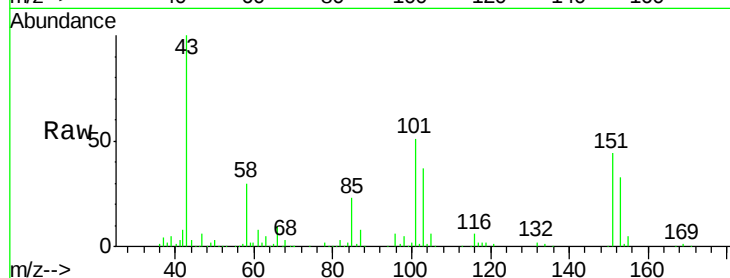
VSTD100103

Tgt Ion: 43 Resp: 181208

Ion Ratio Lower Upper

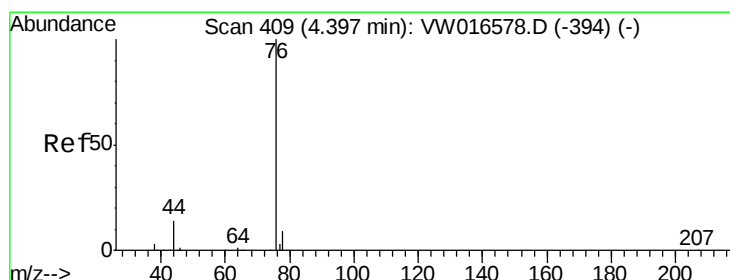
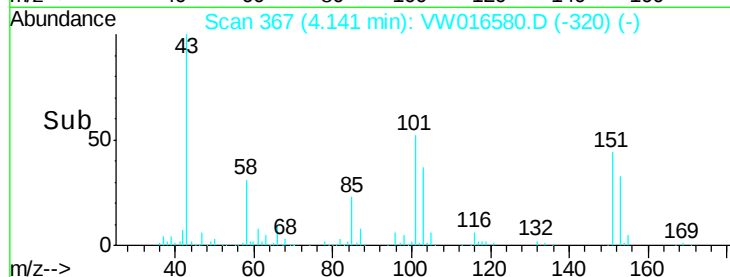
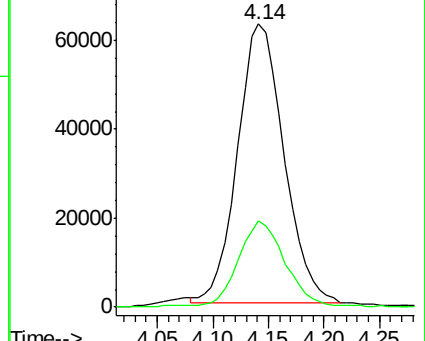
43 100

58 31.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 100.302 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016580.D

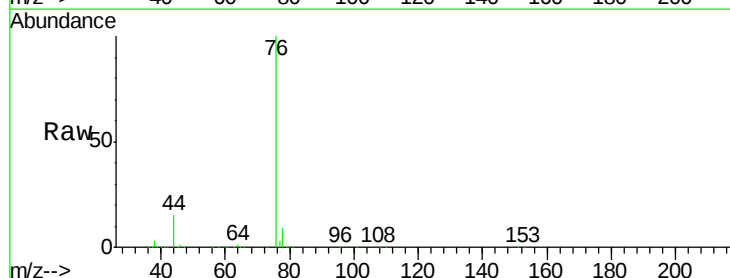
Acq: 18 Sep 2020 11:45

Tgt Ion: 76 Resp: 2145839

Ion Ratio Lower Upper

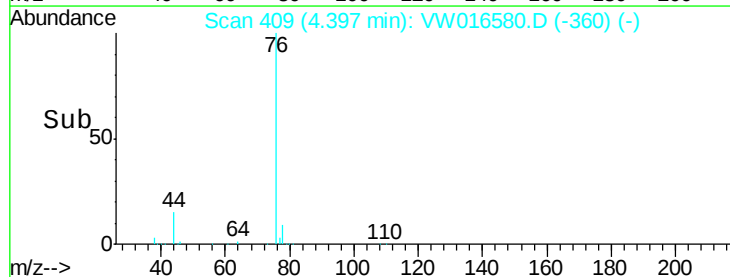
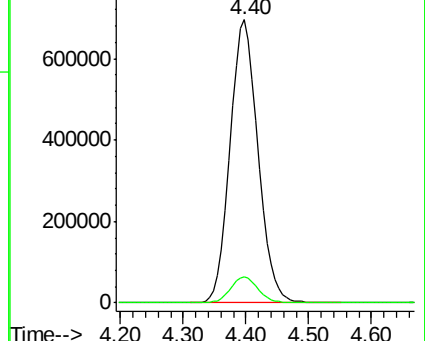
76 100

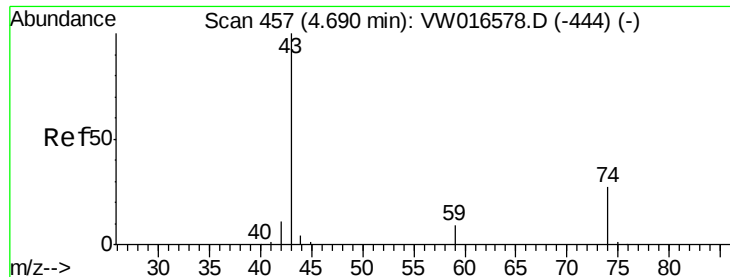
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

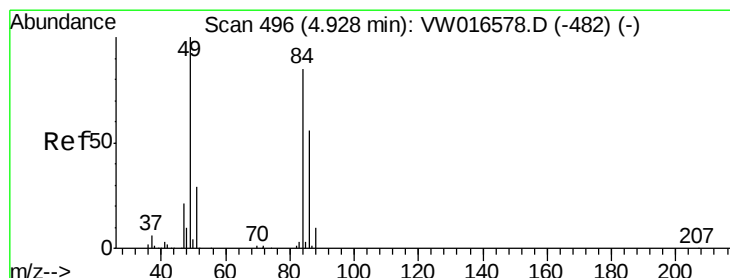
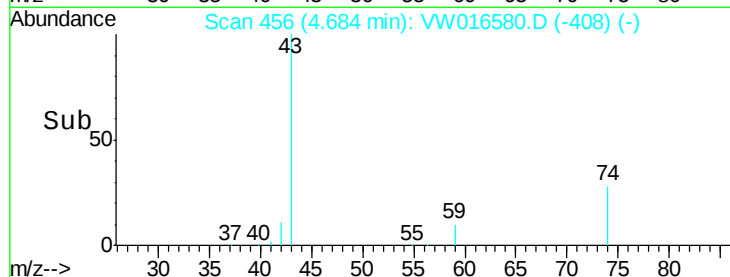
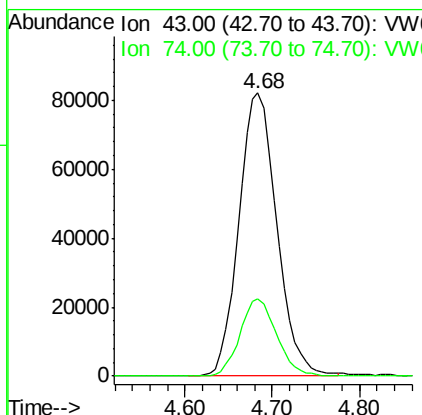
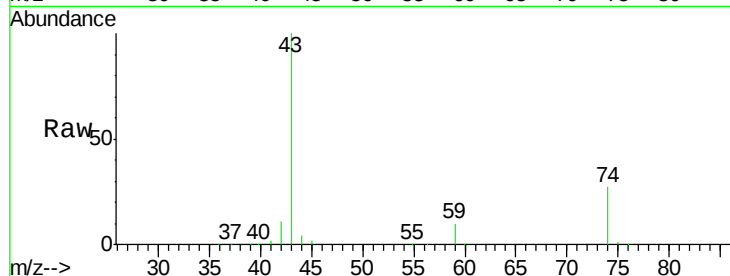




#15
Methyl Acetate
Concen: 106.083 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

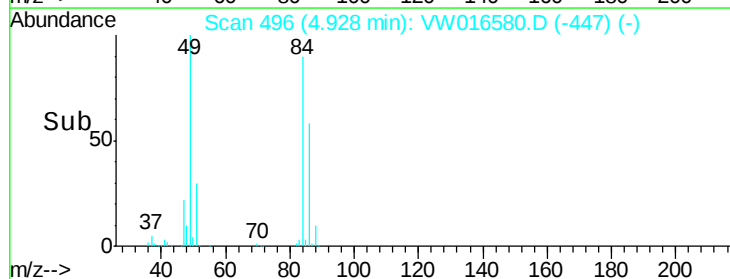
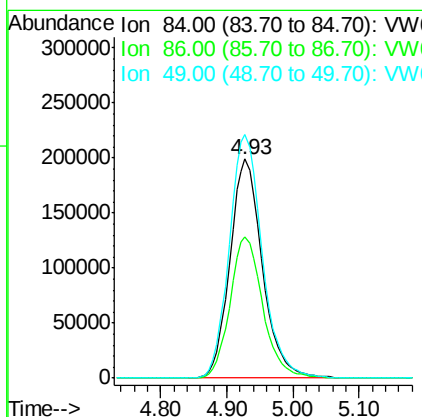
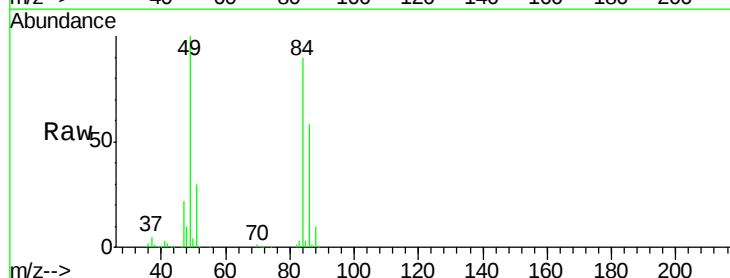
Instrument :
MSVOA_W
ClientSampleId :
VSTD100103

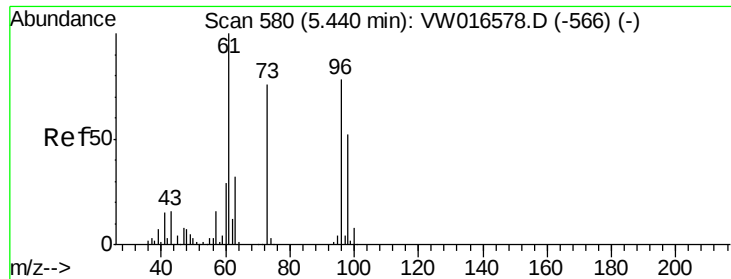
Tgt Ion: 43 Resp: 247843
Ion Ratio Lower Upper
43 100
74 26.4 21.9 32.9



#16
Methylene chloride
Concen: 82.864 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

Tgt Ion: 84 Resp: 678269
Ion Ratio Lower Upper
84 100
86 64.6 46.2 85.8
49 111.3 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 101.171 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD100103

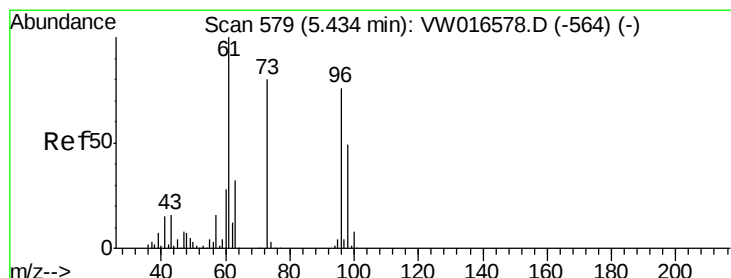
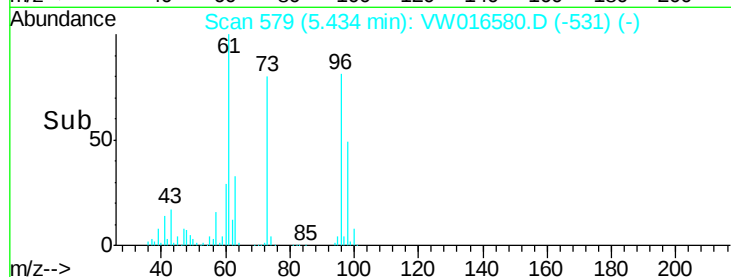
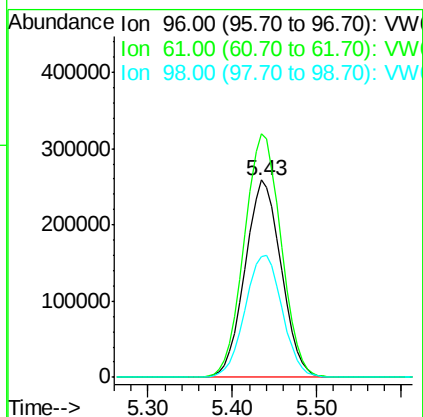
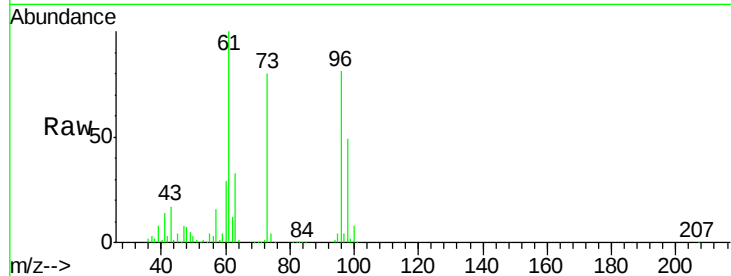
Tgt Ion: 96 Resp: 756189

Ion Ratio Lower Upper

96 100

61 123.3 89.7 166.7

98 60.9 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 96.615 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

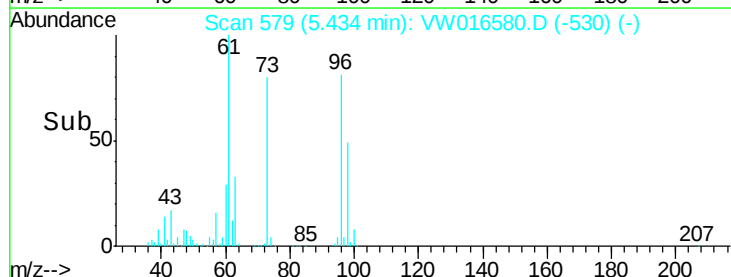
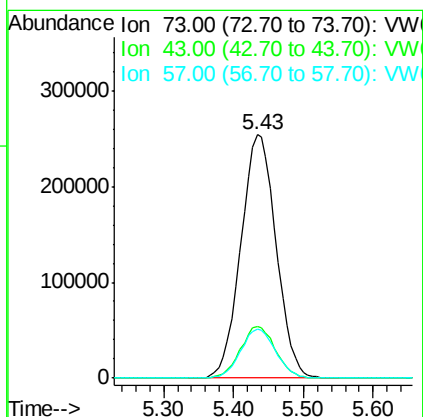
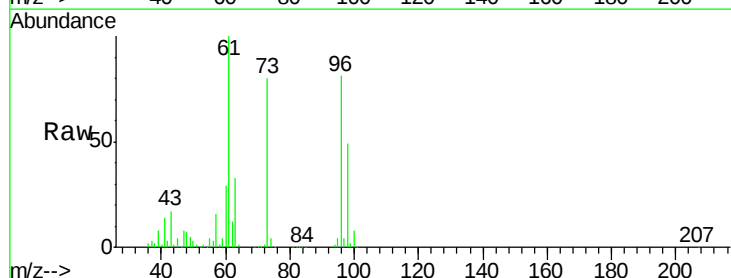
Tgt Ion: 73 Resp: 887019

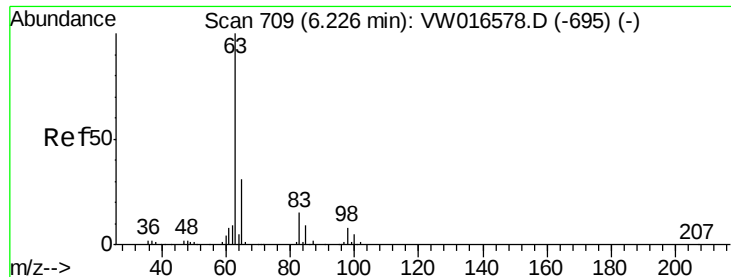
Ion Ratio Lower Upper

73 100

43 21.1 17.0 25.6

57 20.1 16.3 24.5





#19

1,1-Dichloroethane

Concen: 100.440 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD100103

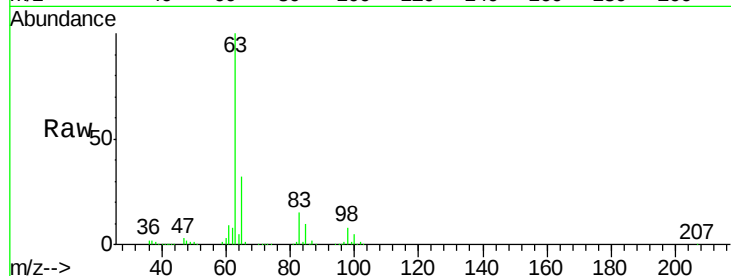
Tgt Ion: 63 Resp: 1189171

Ion Ratio Lower Upper

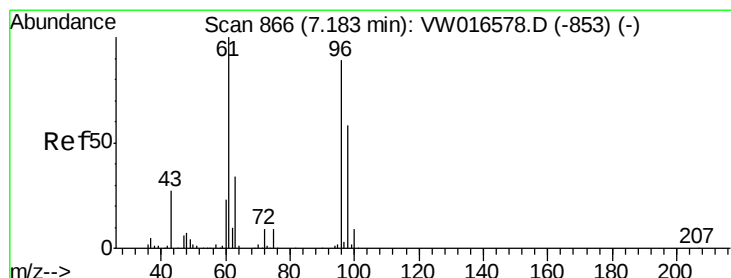
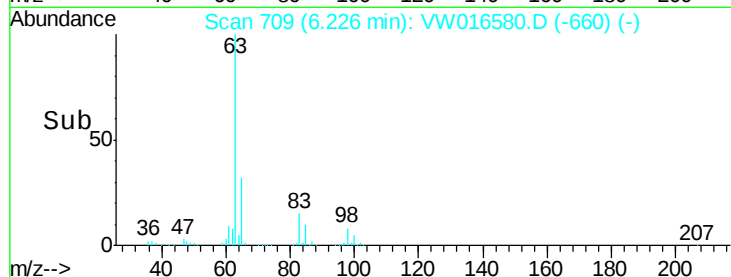
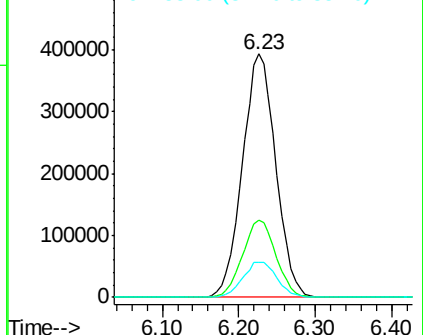
63 100

65 32.0 21.8 40.6

83 14.5 10.2 19.0



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



#20

cis-1,2-Dichloroethene

Concen: 100.262 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

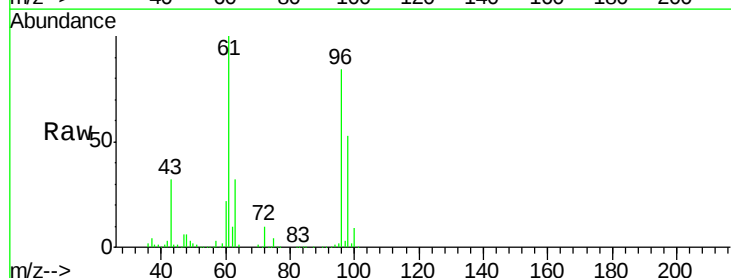
Tgt Ion: 96 Resp: 778960

Ion Ratio Lower Upper

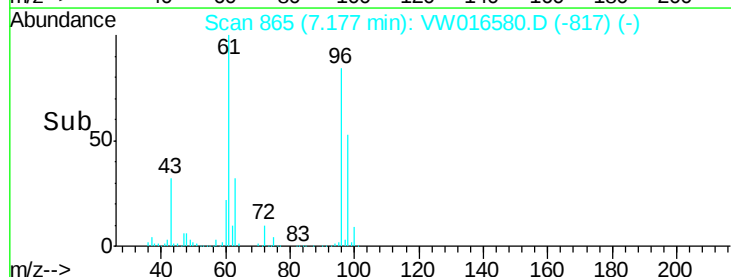
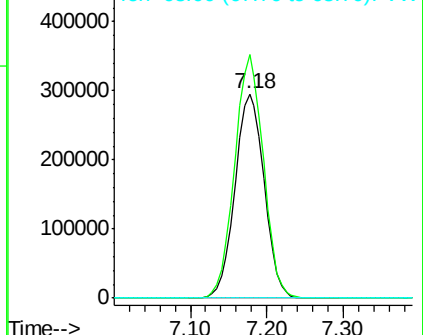
96 100

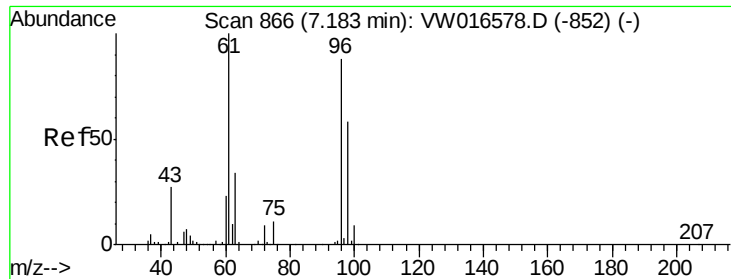
61 119.1 79.2 147.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 188.666 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

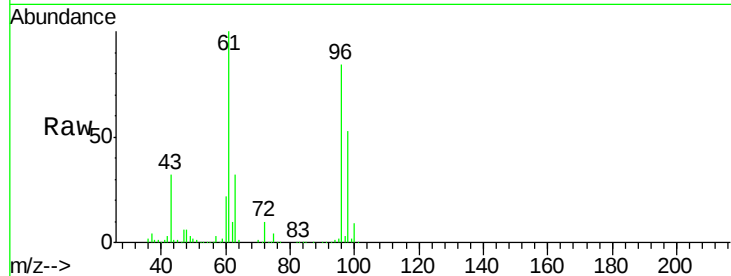
VSTD100103

Tgt Ion: 43 Resp: 305318

Ion Ratio Lower Upper

43 100

72 31.8 15.7 47.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

120000

100000

80000

60000

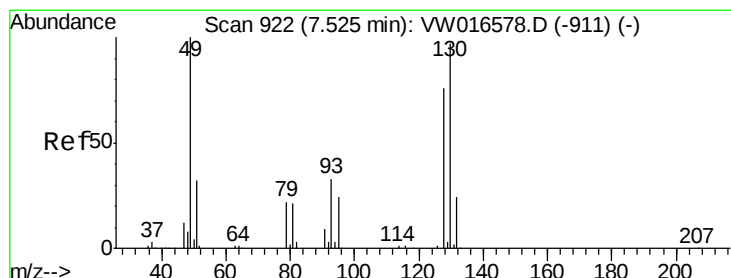
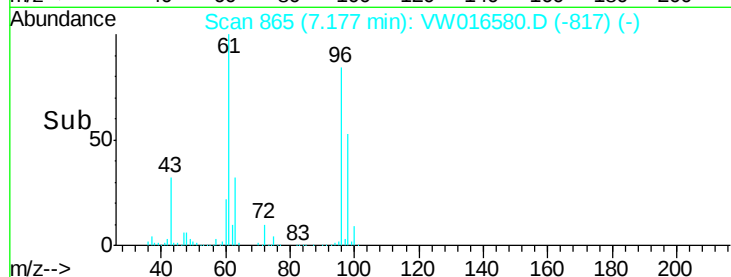
40000

20000

0

Time-->

7.10 7.20 7.30



#23

Bromochloromethane

Concen: 102.757 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Tgt Ion: 128 Resp: 375351

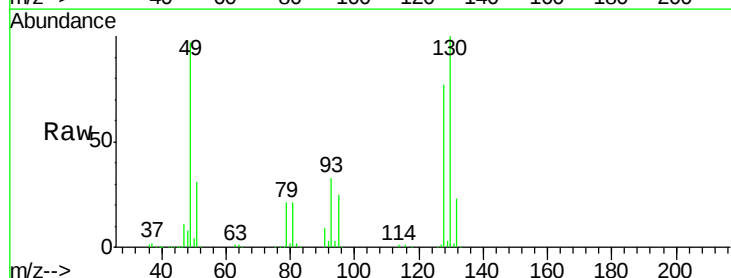
Ion Ratio Lower Upper

128 100

49 127.1 91.5 169.9

130 130.5 89.0 165.4

51 40.3 33.0 49.6



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

300000

250000

200000

150000

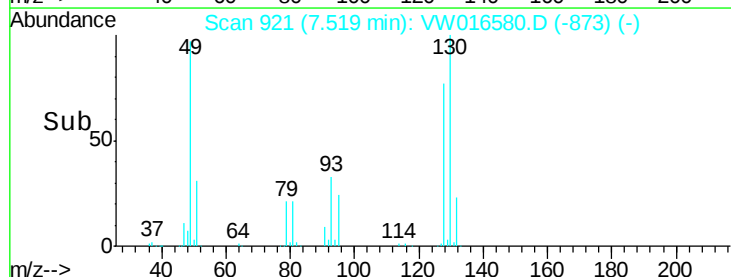
100000

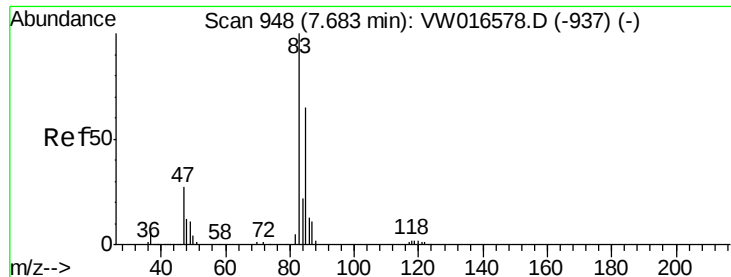
50000

0

Time-->

7.40 7.50 7.60





#25

Chloroform

Concen: 99.573 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

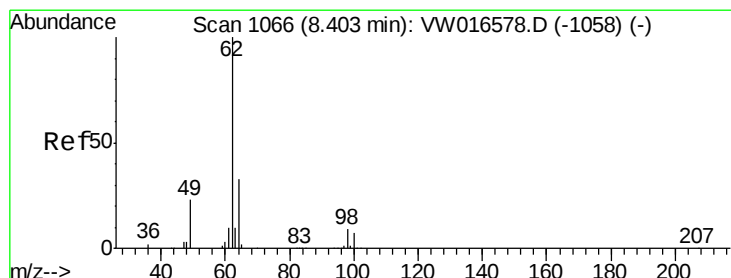
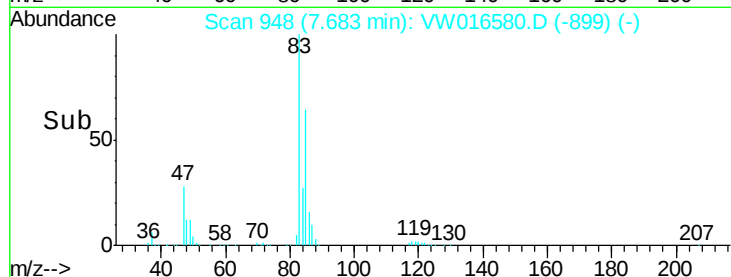
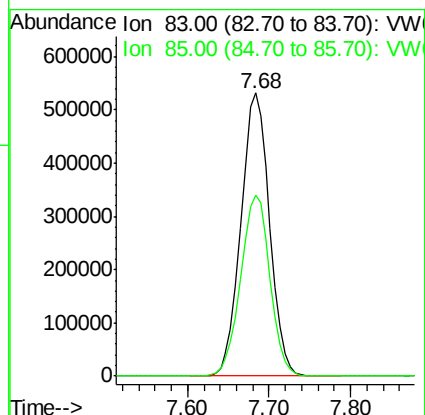
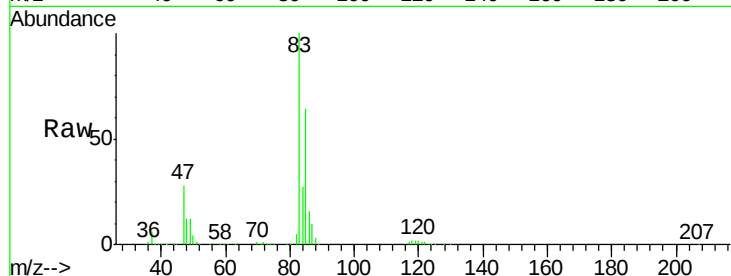
VSTD100103

Tgt Ion: 83 Resp: 1289725

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 100.940 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW016580.D

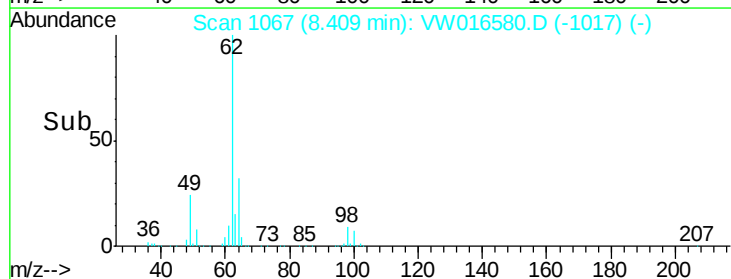
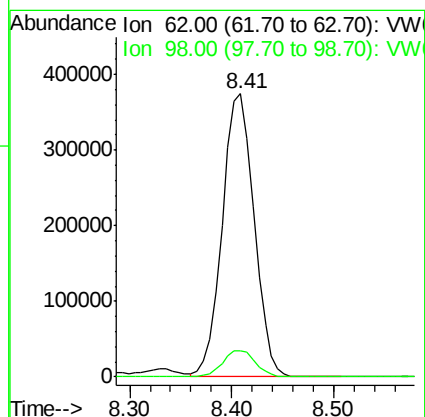
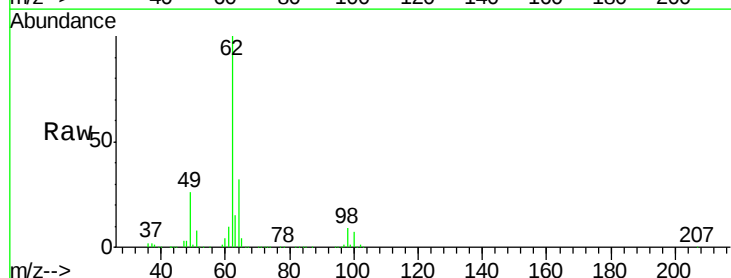
Acq: 18 Sep 2020 11:45

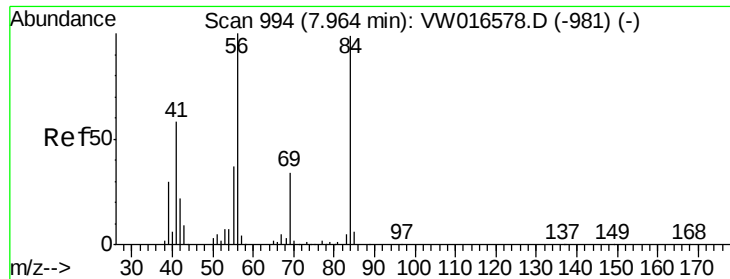
Tgt Ion: 62 Resp: 811785

Ion Ratio Lower Upper

62 100

98 9.4 7.3 10.9

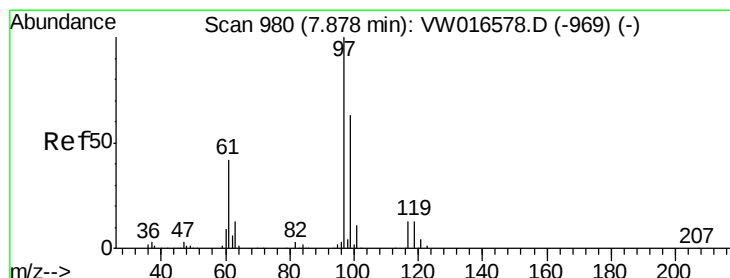
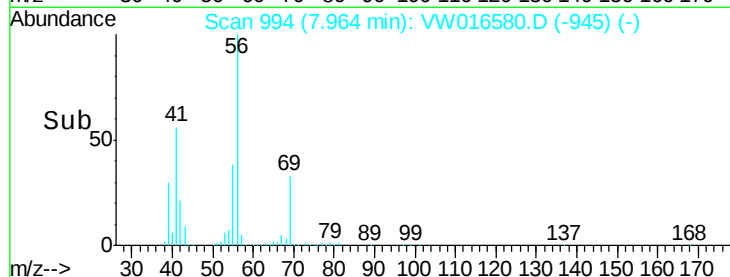
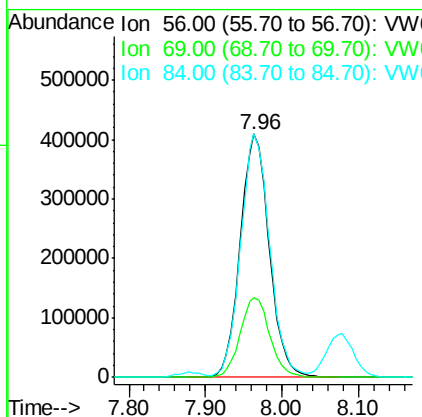
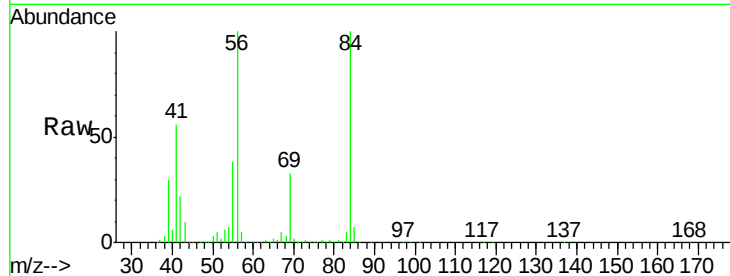




#29
Cyclohexane
Concen: 95.498 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

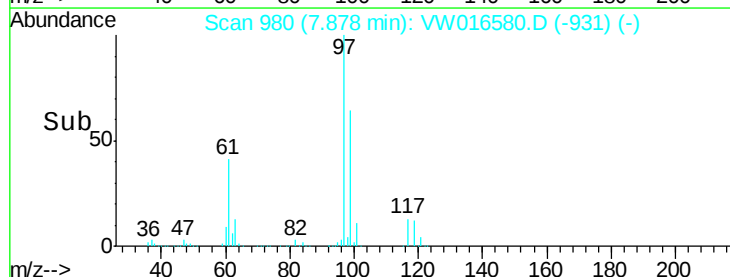
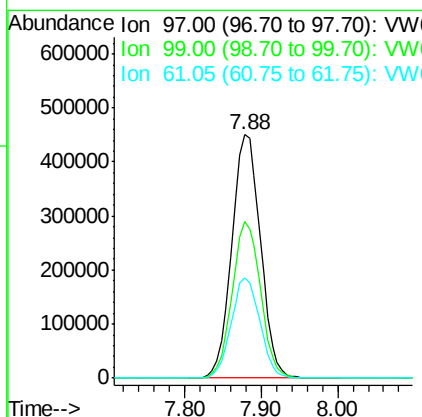
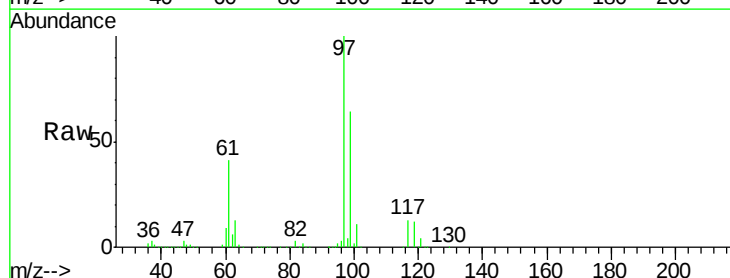
Instrument :
MSVOA_W
ClientSampleId :
VSTD100103

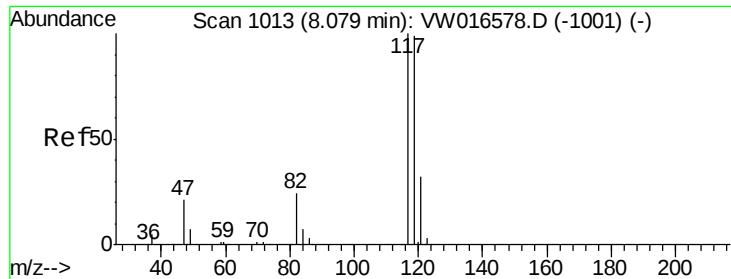
Tgt Ion: 56 Resp: 1080218
Ion Ratio Lower Upper
56 100
69 33.4 26.4 39.6
84 99.8 79.9 119.9



#30
1,1,1-Trichloroethane
Concen: 96.672 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

Tgt Ion: 97 Resp: 1167035
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 41.2 33.2 49.8



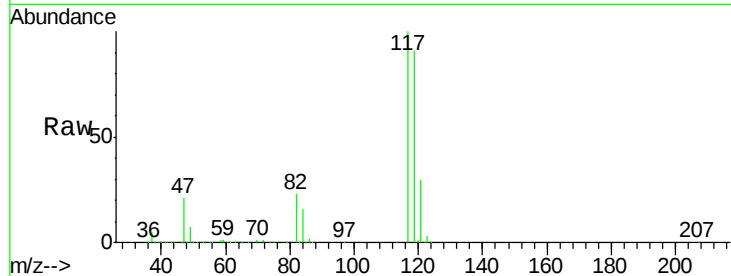


#31

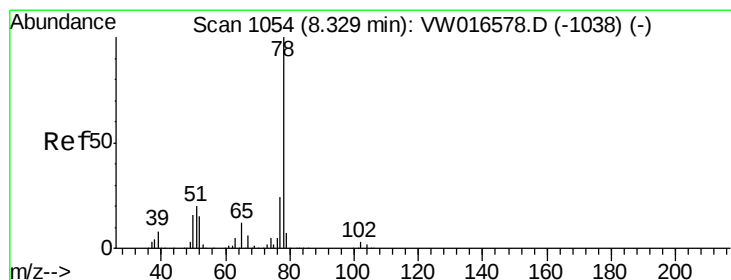
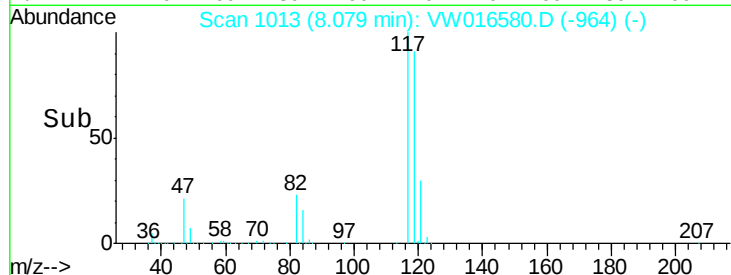
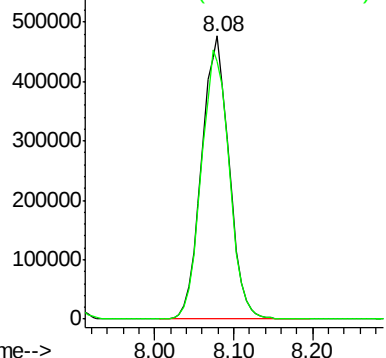
Carbon tetrachloride
 Concen: 98.155 ug/L
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD100103

Tgt Ion:117 Resp: 1153935
 Ion Ratio Lower Upper
 117 100
 119 96.6 76.7 115.1



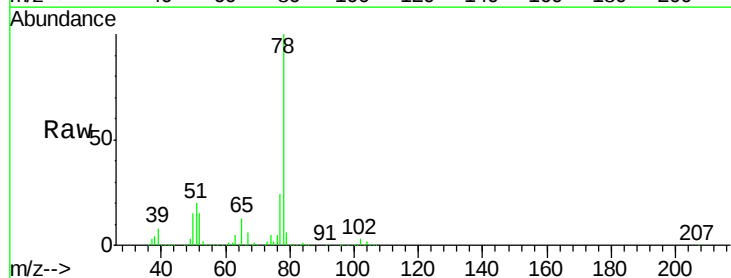
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



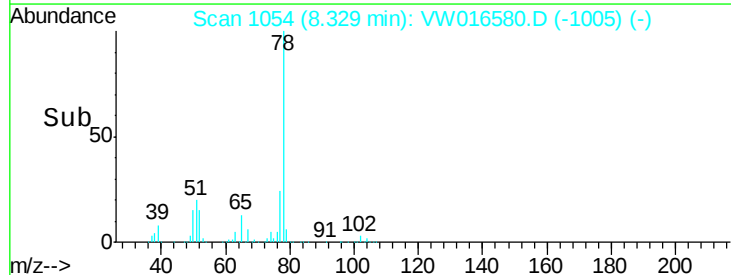
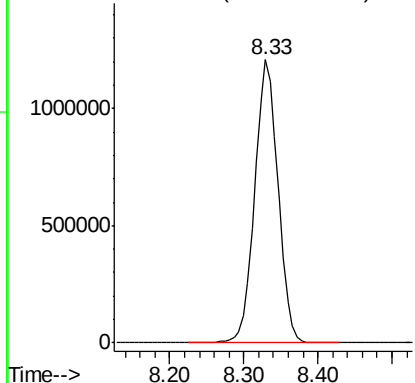
#33

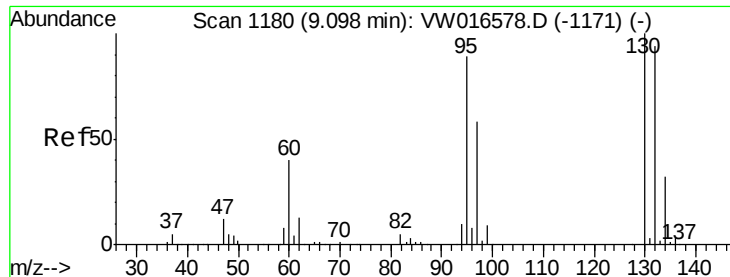
Benzene
 Concen: 94.305 ug/L
 RT: 8.33 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion: 78 Resp: 2646862



Abundance Ion 78.00 (77.70 to 78.70): VW

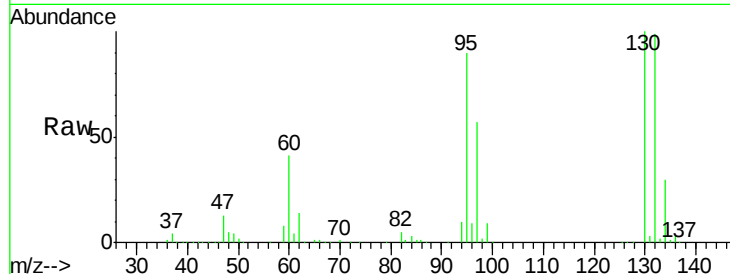




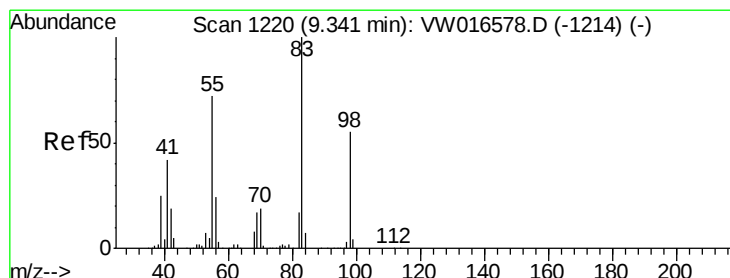
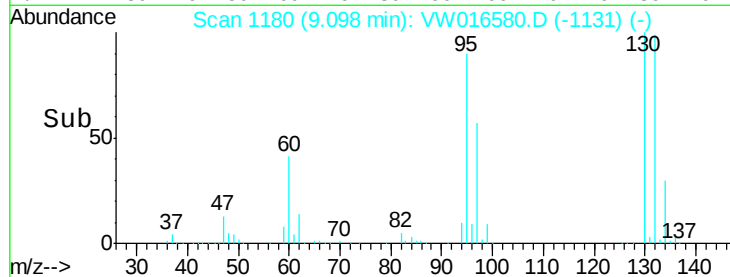
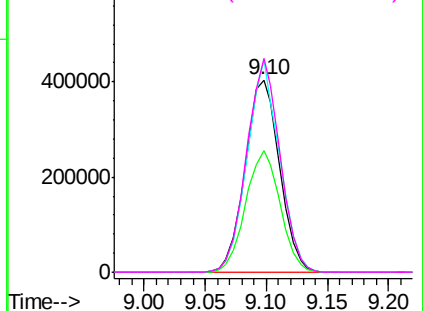
#34
 Trichloroethene
 Concen: 98.017 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

Tgt Ion: 95 Resp: 789145
 Ion Ratio Lower Upper
 95 100
 97 63.0 45.1 83.9
 132 110.4 73.8 137.2
 130 111.1 78.3 145.5

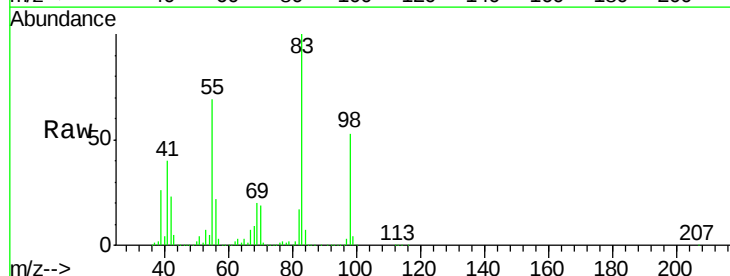


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

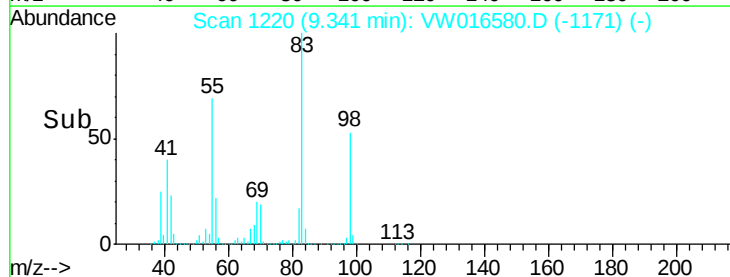
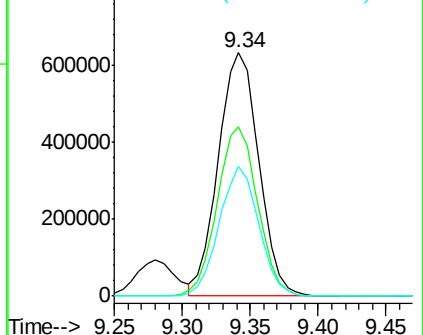


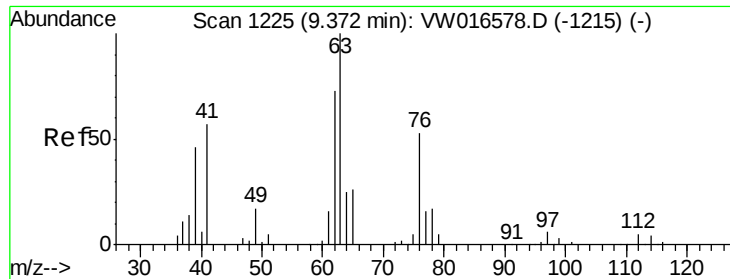
#35
 Methylcyclohexane
 Concen: 97.379 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion: 83 Resp: 1309599
 Ion Ratio Lower Upper
 83 100
 55 69.3 55.9 83.9
 98 52.0 41.5 62.3



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

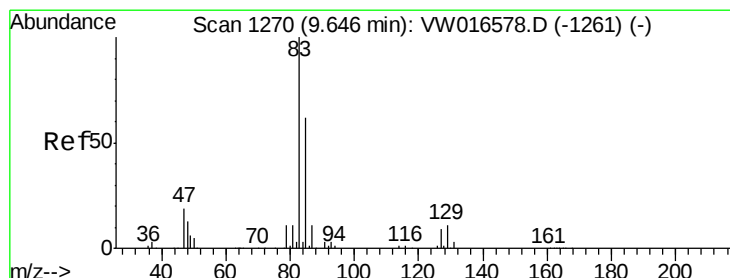
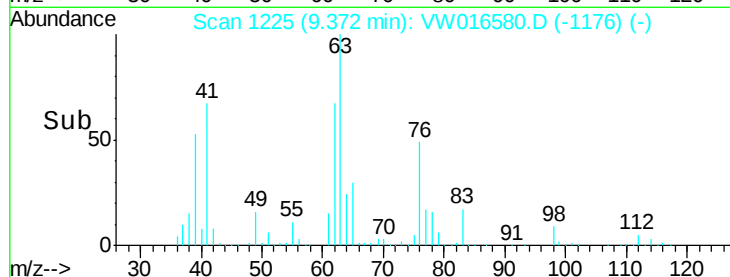
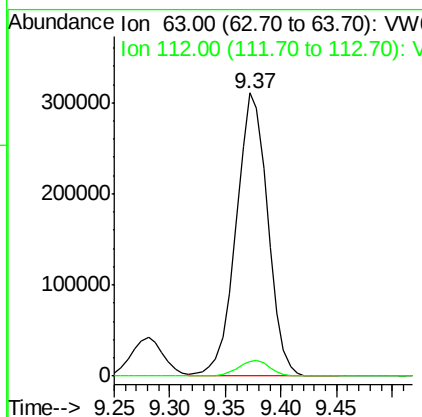
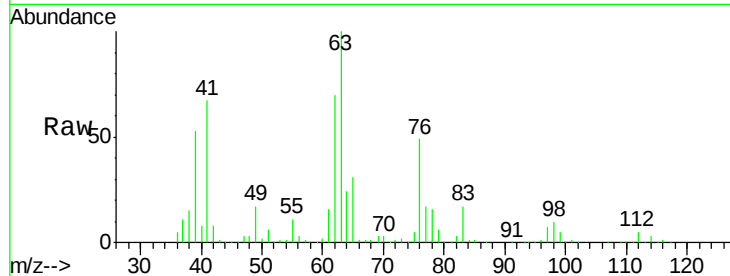




#37
 1,2-Dichloropropane
 Concen: 95.706 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

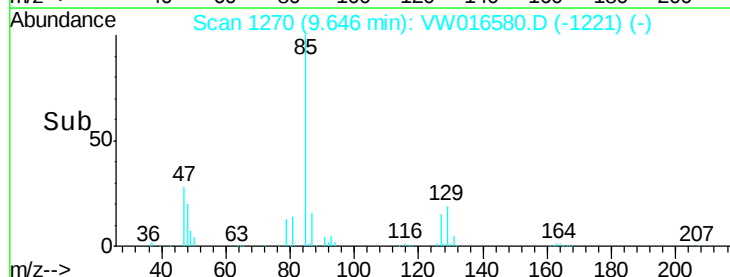
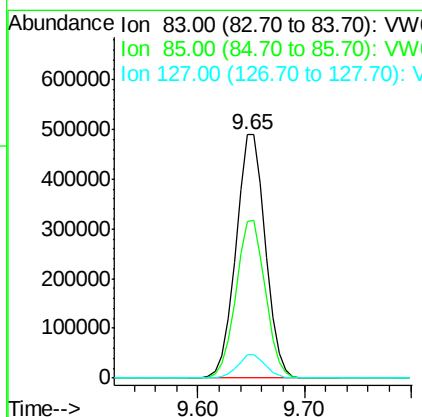
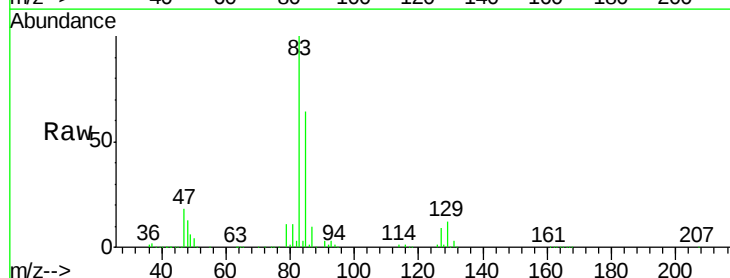
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

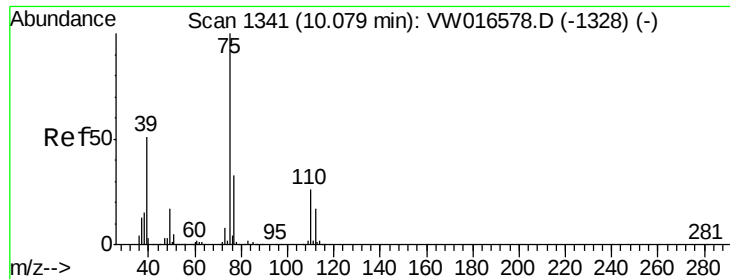
Tgt Ion: 63 Resp: 612499
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.4



#38
 Bromodichloromethane
 Concen: 100.272 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion: 83 Resp: 951658
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.7 81.1
 127 9.5 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 101.417 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

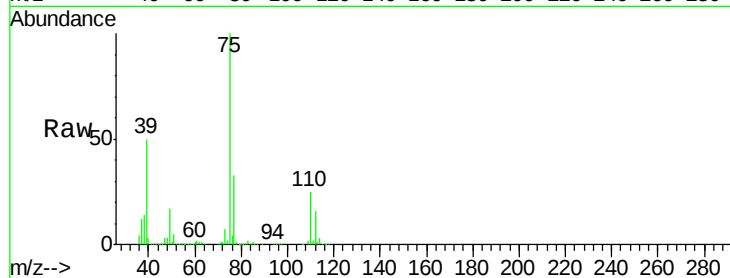
VSTD100103

Tgt Ion: 75 Resp: 1107923

Ion Ratio Lower Upper

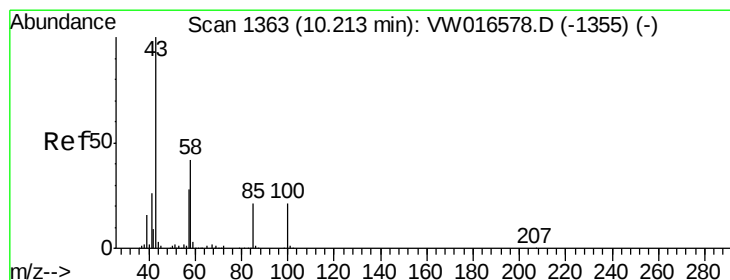
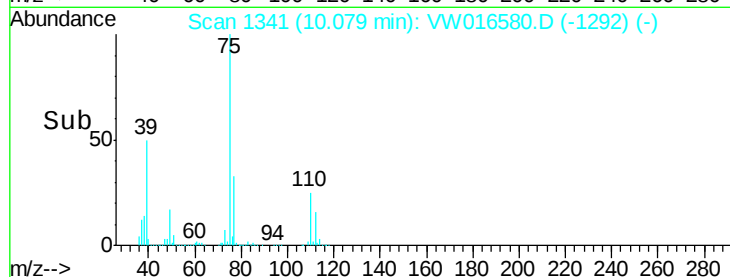
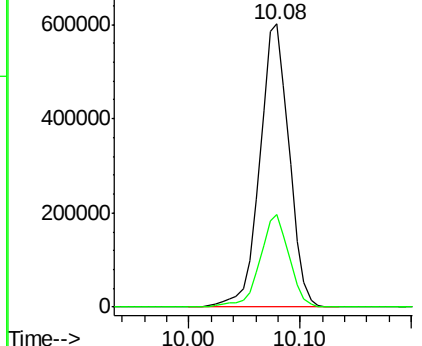
75 100

77 32.8 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#40

4-Methyl-2-pentanone

Concen: 198.449 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

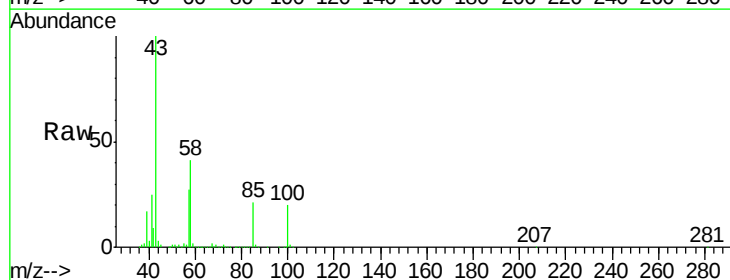
Tgt Ion: 43 Resp: 711605

Ion Ratio Lower Upper

43 100

58 41.6 33.0 49.4

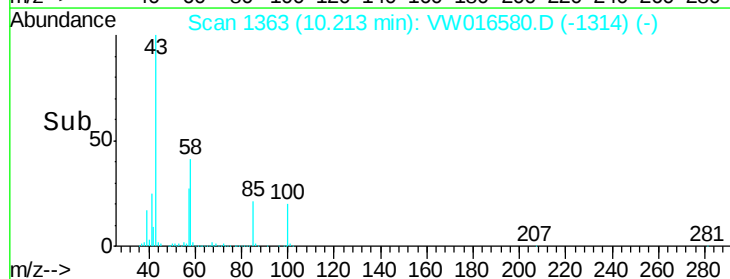
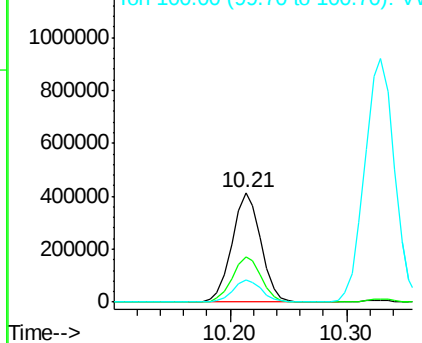
100 20.1 16.0 24.0

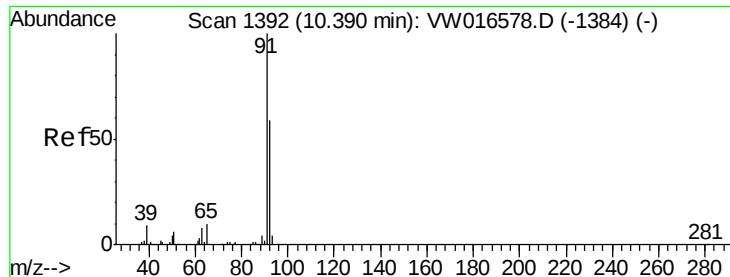


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#42

Toluene

Concen: 95.957 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

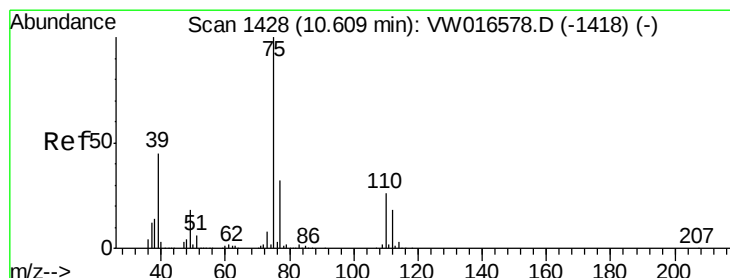
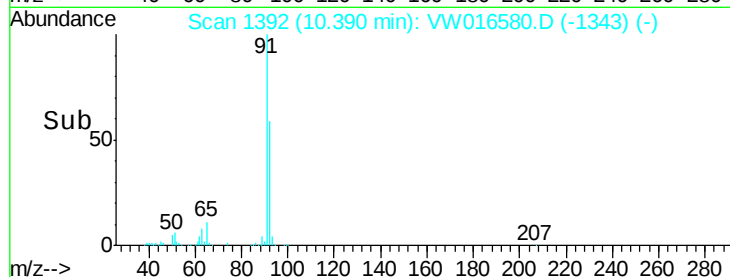
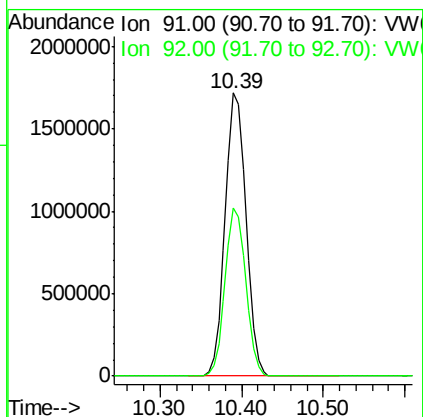
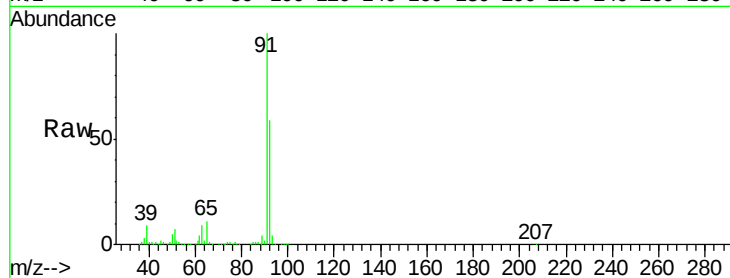
VSTD100103

Tgt Ion: 91 Resp: 3034170

Ion Ratio Lower Upper

91 100

92 59.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 103.892 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016580.D

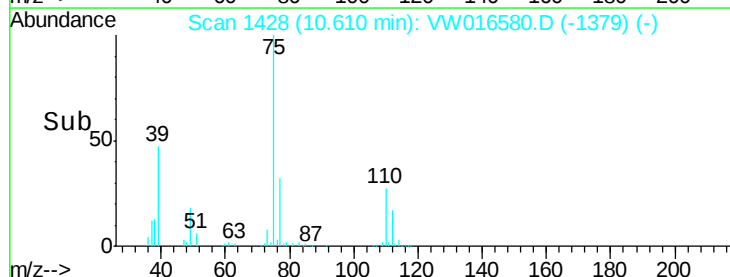
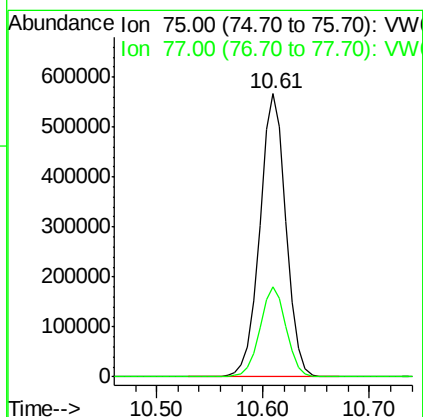
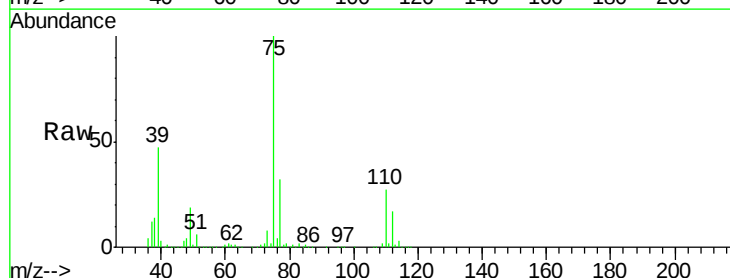
Acq: 18 Sep 2020 11:45

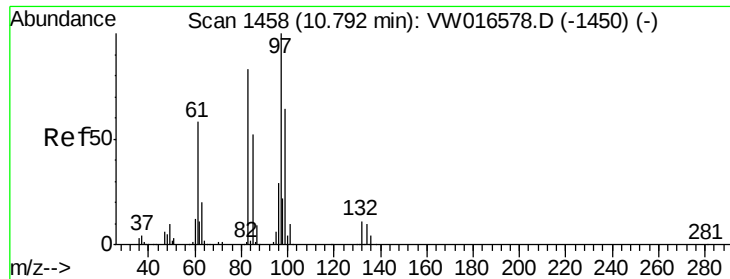
Tgt Ion: 75 Resp: 973428

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 99.500 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD100103

Tgt Ion: 97 Resp: 517204

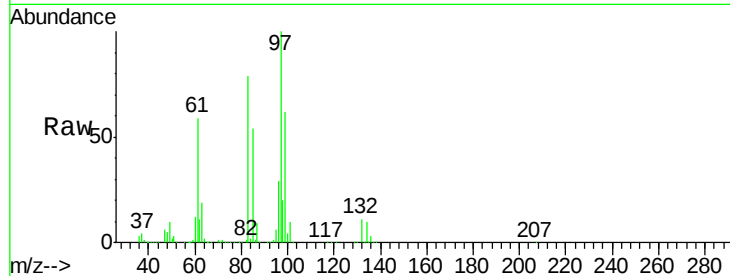
Ion Ratio Lower Upper

97 100

99 61.9 44.5 82.7

83 79.4 58.4 108.4

85 54.1 36.8 68.3

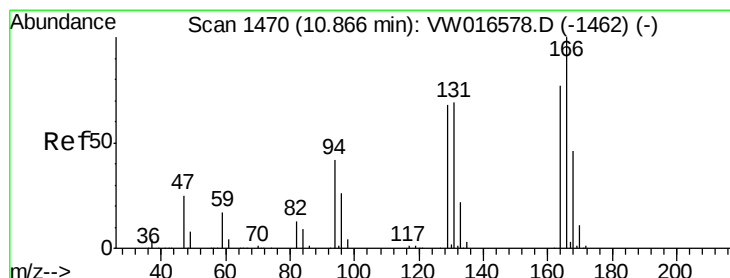
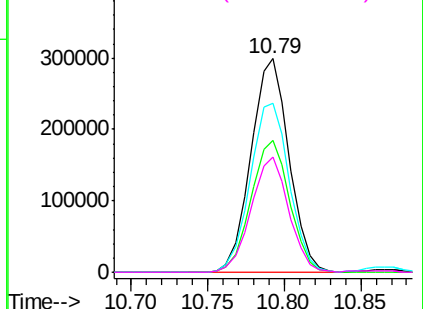
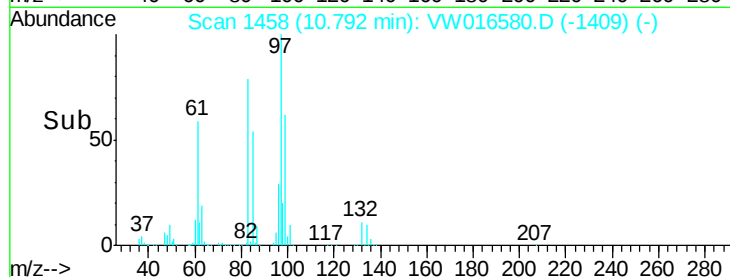


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 97.258 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Tgt Ion: 164 Resp: 706319

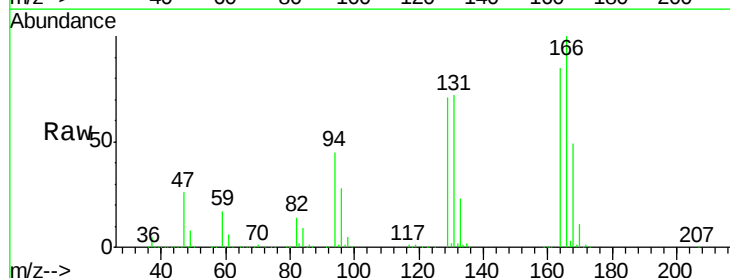
Ion Ratio Lower Upper

164 100

129 83.2 61.4 114.0

131 84.4 62.8 116.6

166 117.4 90.8 168.6

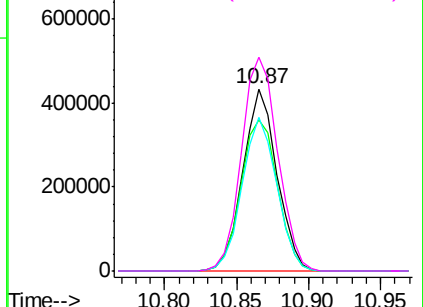
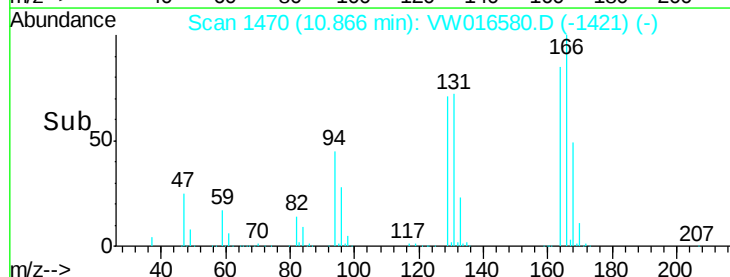


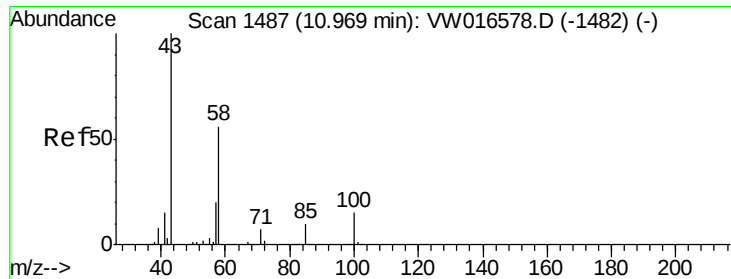
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

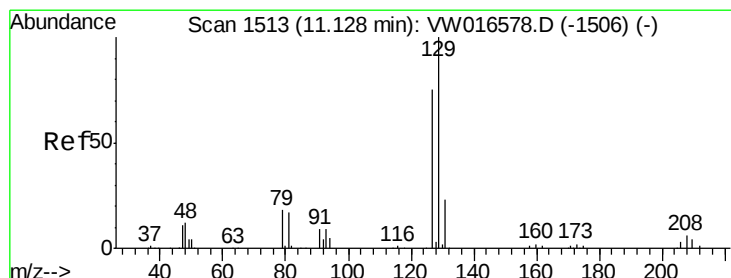
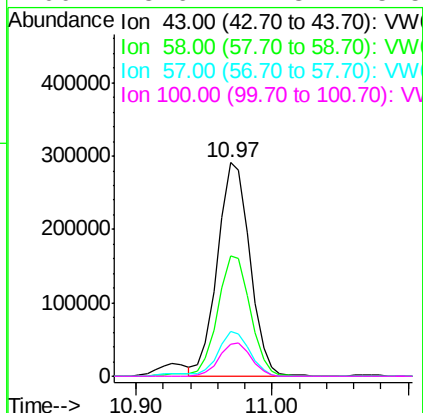
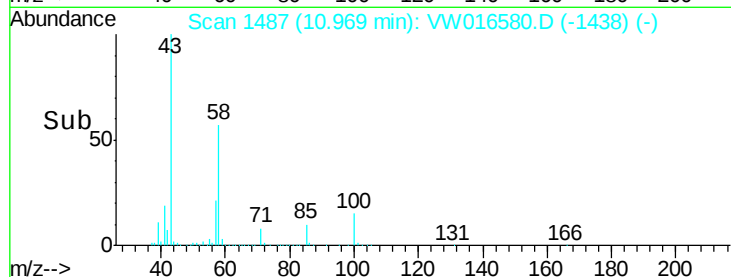
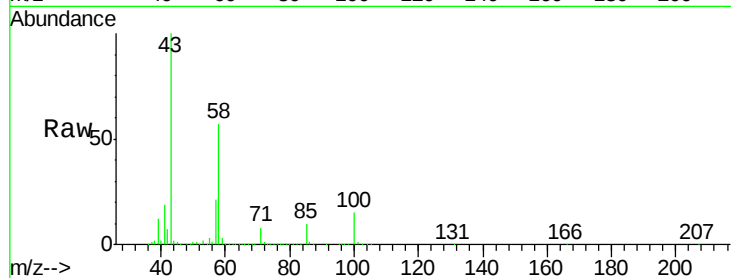




#48
2-Hexanone
Concen: 213.110 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

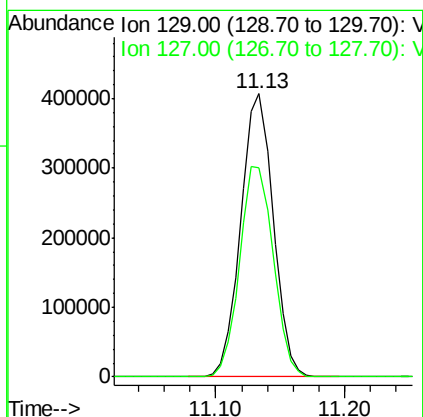
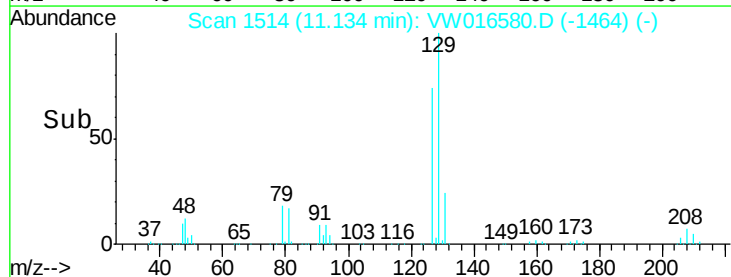
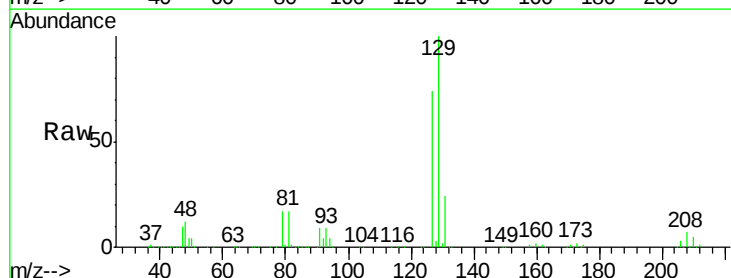
Instrument :
MSVOA_W
ClientSampleId :
VSTD100103

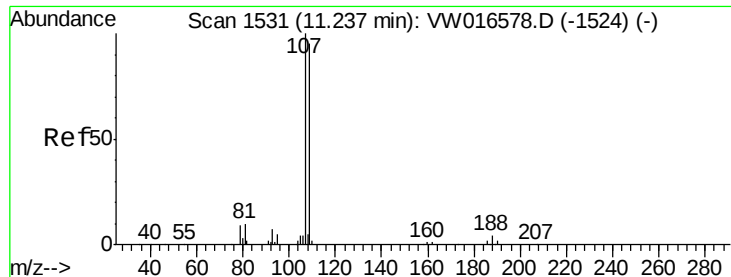
Tgt Ion:	43	Resp:	482293
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.9	68.9
57	20.6	16.6	24.8
100	15.6	12.3	18.5



#49
Dibromochloromethane
Concen: 104.085 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

Tgt Ion:	129	Resp:	710171
Ion	Ratio	Lower	Upper
129	100		
127	73.9	52.5	97.5

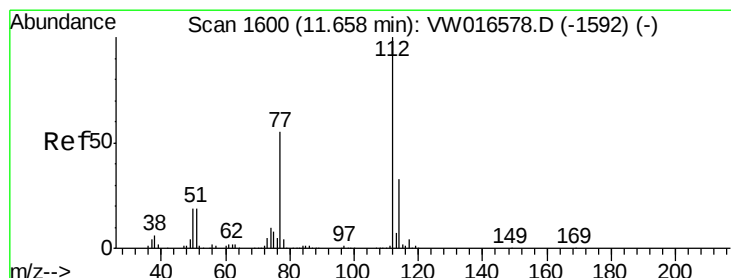
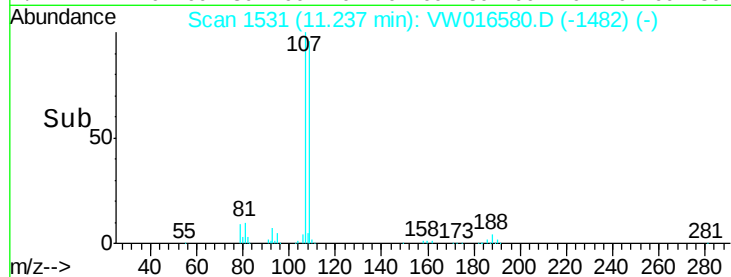
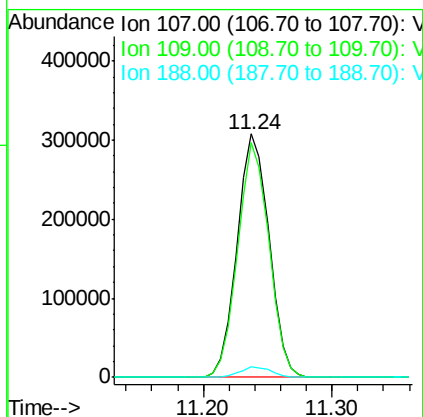
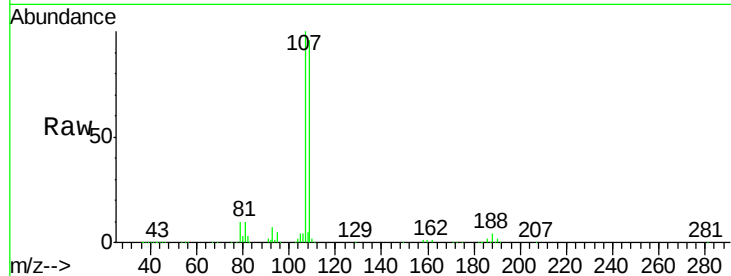




#50
 1,2-Dibromoethane
 Concen: 102.663 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

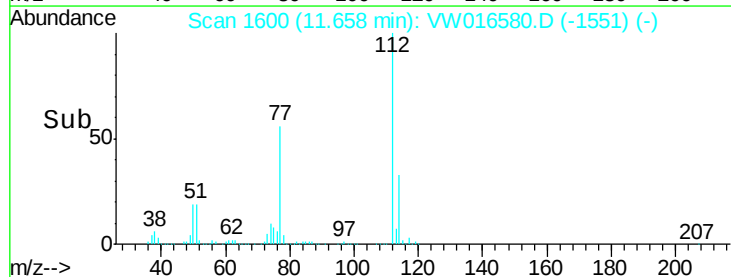
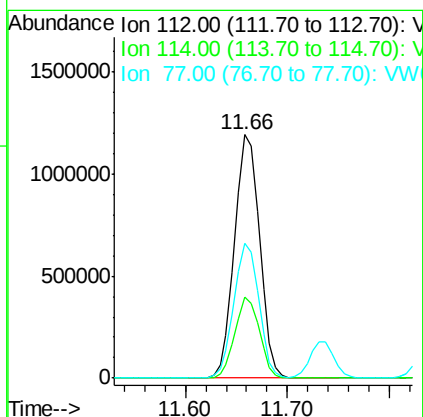
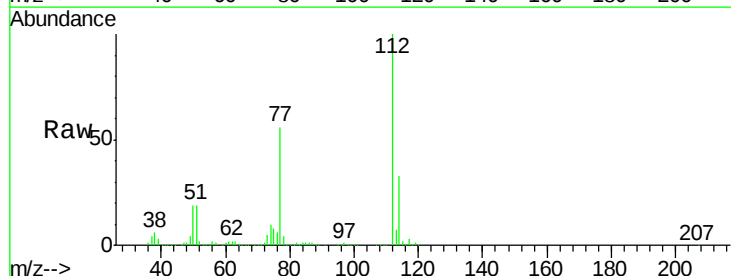
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

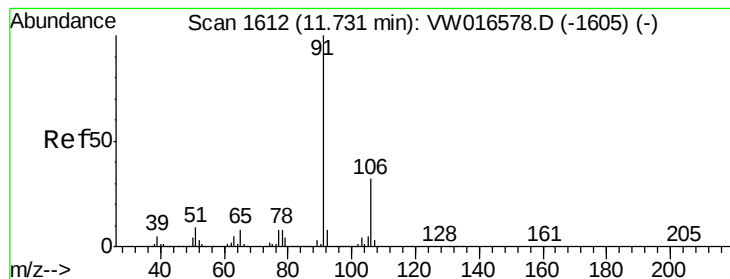
Tgt Ion:107 Resp: 528526
 Ion Ratio Lower Upper
 107 100
 109 96.2 66.2 123.0
 188 4.2 3.3 4.9



#51
 Chlorobenzene
 Concen: 96.713 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion:112 Resp: 2027890
 Ion Ratio Lower Upper
 112 100
 114 33.1 22.9 42.5
 77 55.6 43.8 65.8





#52

Ethylbenzene

Concen: 96.099 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

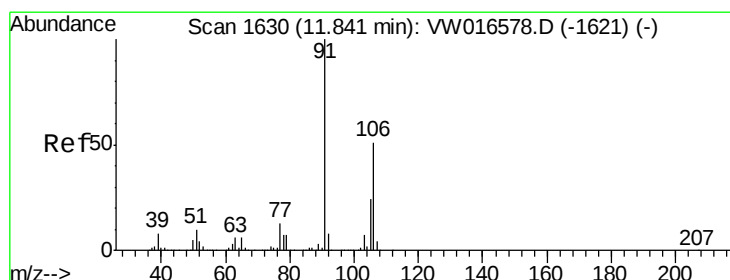
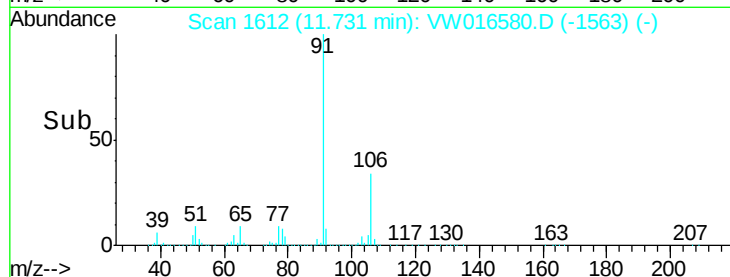
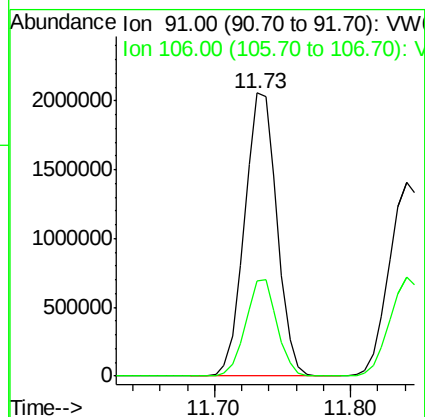
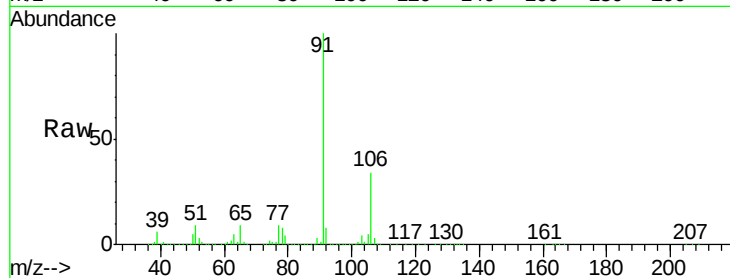
VSTD100103

Tgt Ion: 91 Resp: 3421335

Ion Ratio Lower Upper

91 100

106 33.5 22.0 41.0



#53

m,p-Xylene

Concen: 97.593 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016580.D

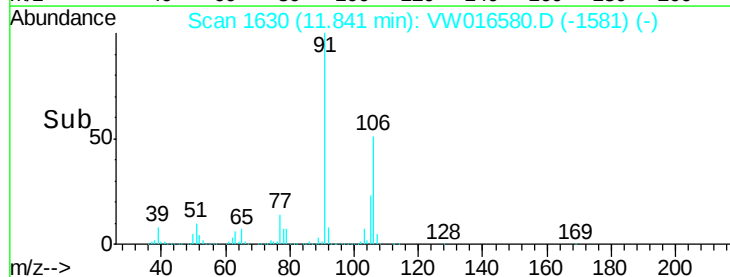
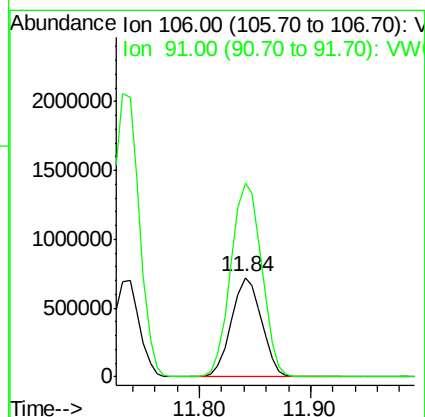
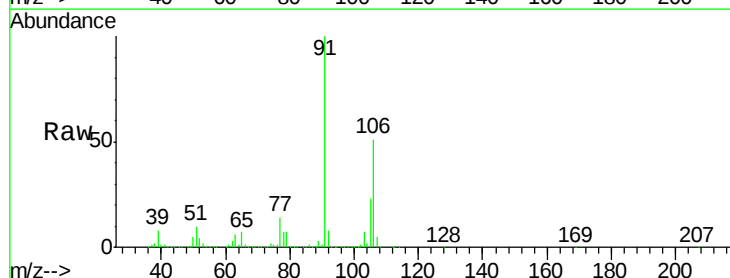
Acq: 18 Sep 2020 11:45

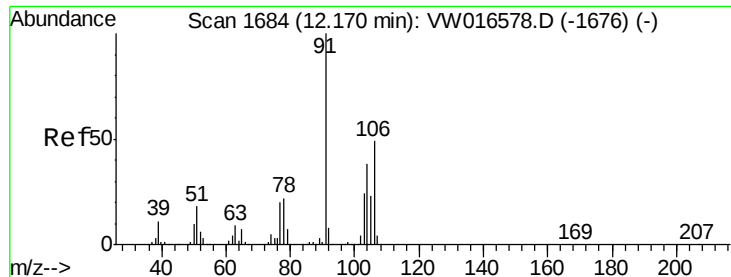
Tgt Ion: 106 Resp: 1353539

Ion Ratio Lower Upper

106 100

91 194.5 136.2 252.9

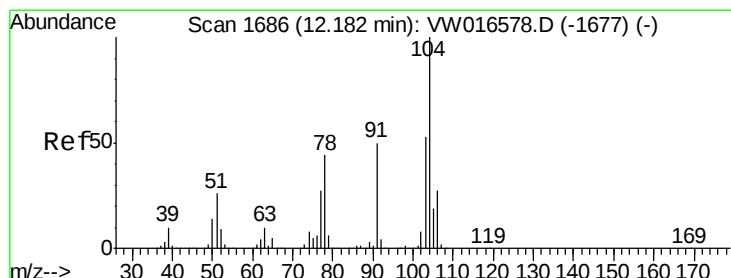
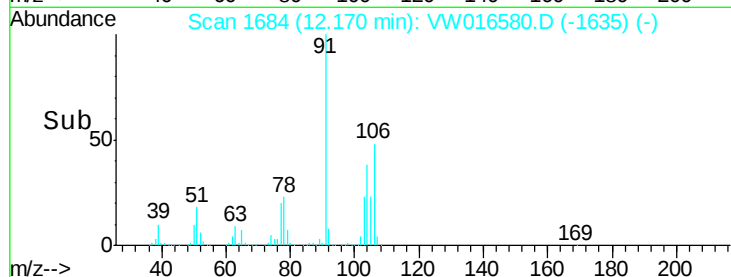
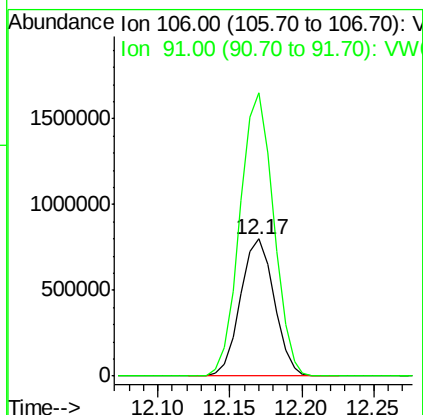
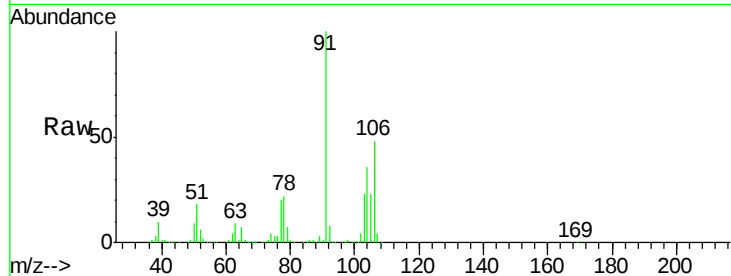




#54
o-Xylene
Concen: 99.037 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

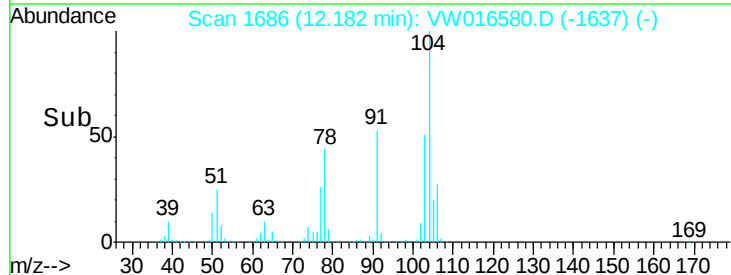
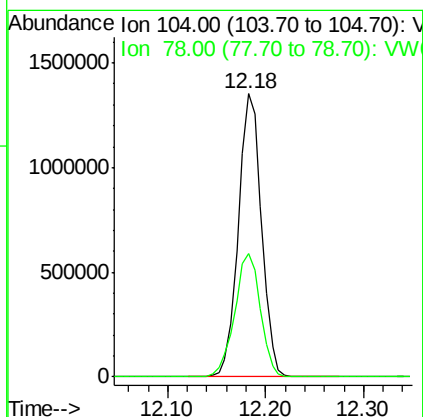
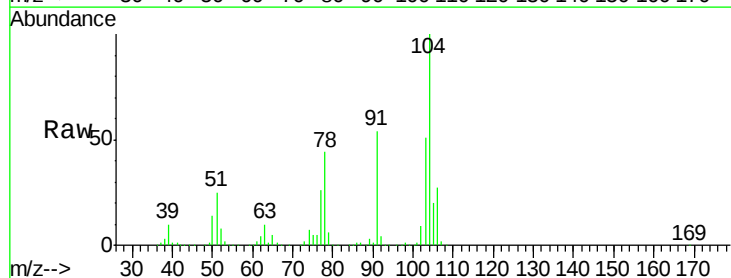
Instrument :
MSVOA_W
ClientSampleId :
VSTD100103

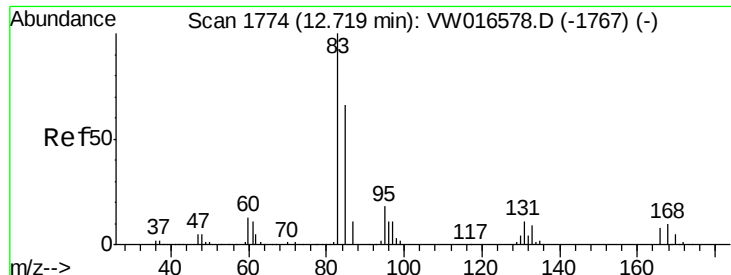
Tgt Ion:106 Resp: 1300088
Ion Ratio Lower Upper
106 100
91 206.5 143.4 266.2



#55
Styrene
Concen: 101.389 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

Tgt Ion:104 Resp: 2216121
Ion Ratio Lower Upper
104 100
78 43.8 31.1 57.9

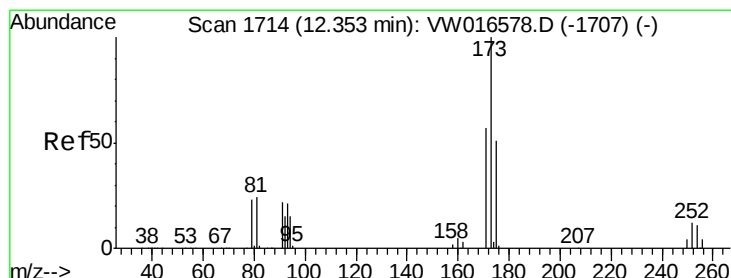
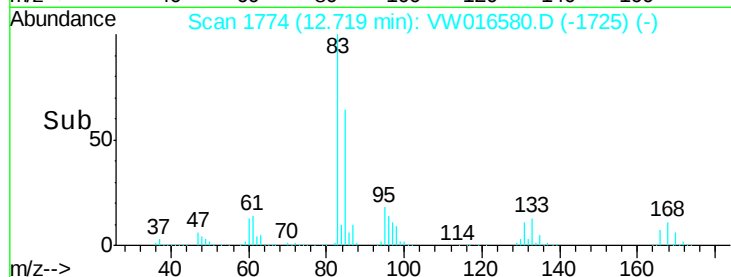
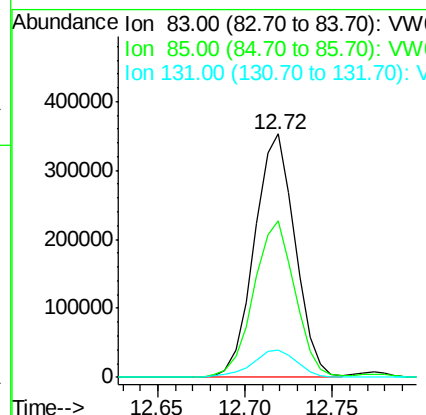
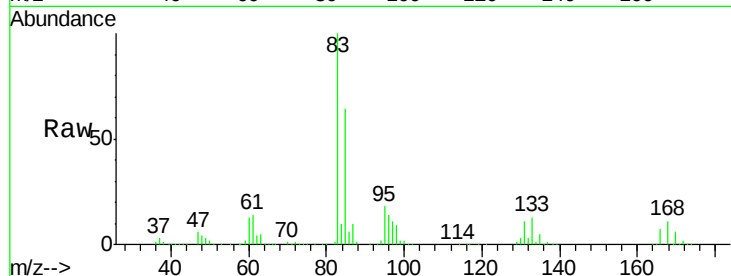




#57
 1,1,2,2-Tetrachloroethane
 Concen: 102.088 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

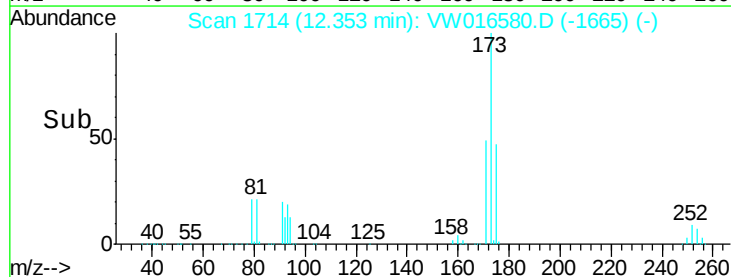
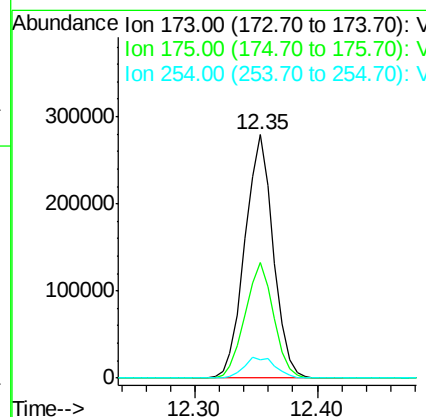
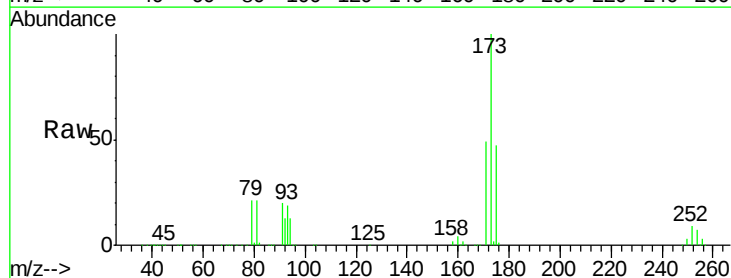
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

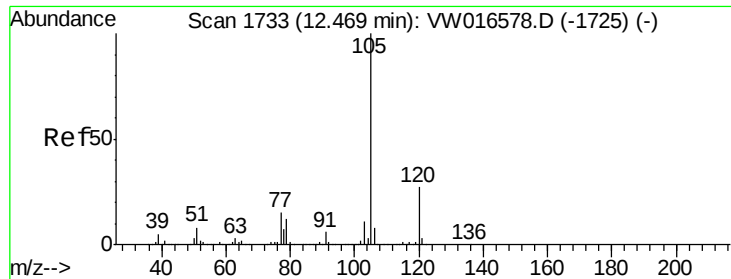
Tgt Ion: 83 Resp: 571337
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.3 85.9
 131 11.2 9.3 13.9



#59
 Bromoform
 Concen: 113.284 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion: 173 Resp: 448124
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.7 59.5
 254 9.5 8.2 12.2





#60

Isopropylbenzene

Concen: 100.117 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

Instrument :

MSVOA_W

ClientSampled :

VSTD100103

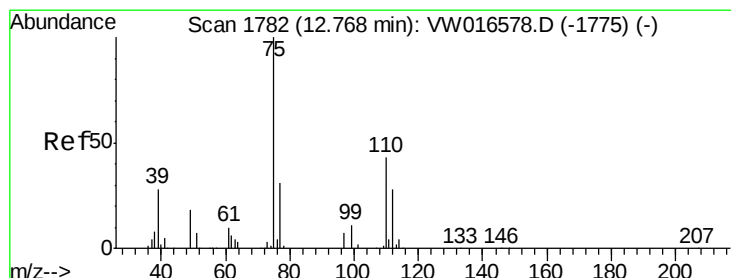
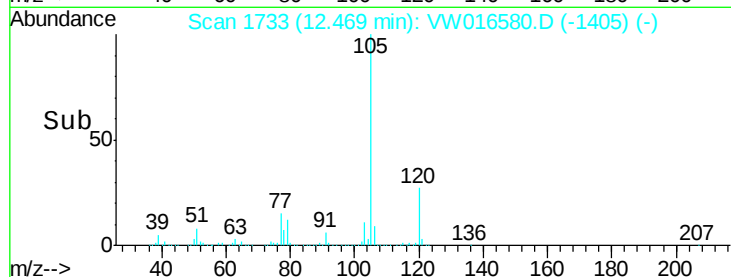
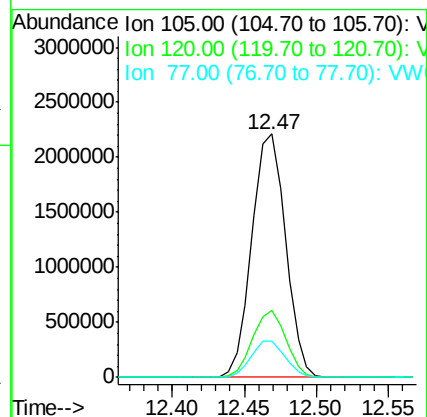
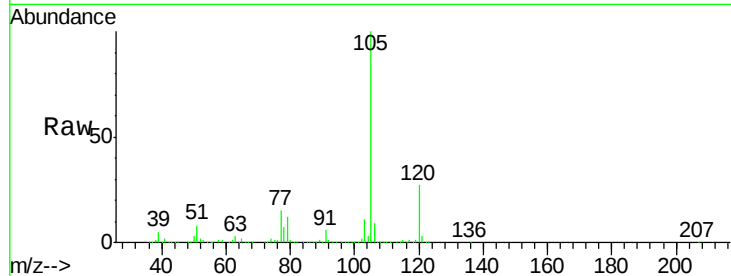
Tgt Ion: 105 Resp: 3581784

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.8

77 15.2 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 103.171 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016580.D

Acq: 18 Sep 2020 11:45

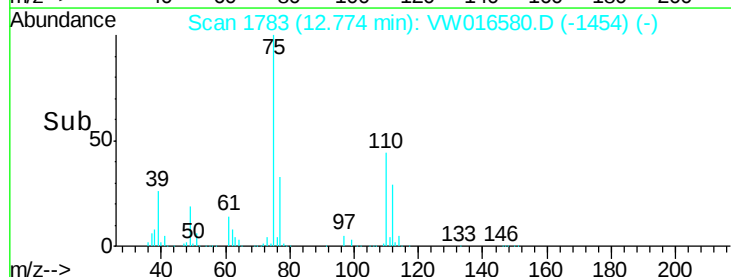
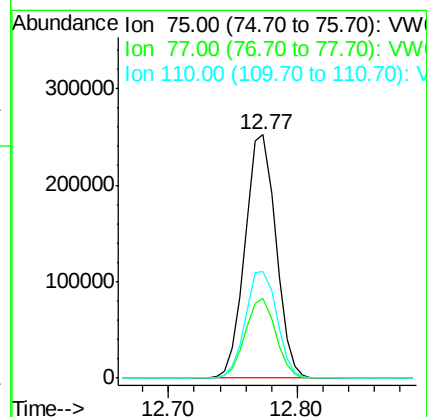
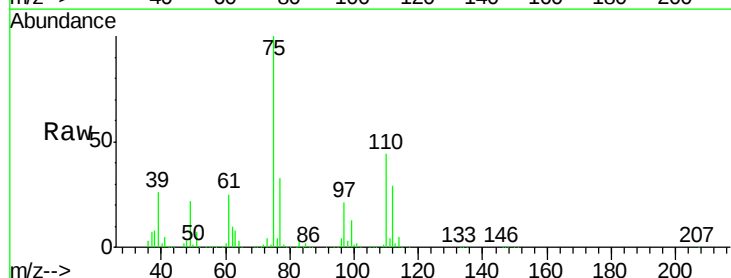
Tgt Ion: 75 Resp: 416616

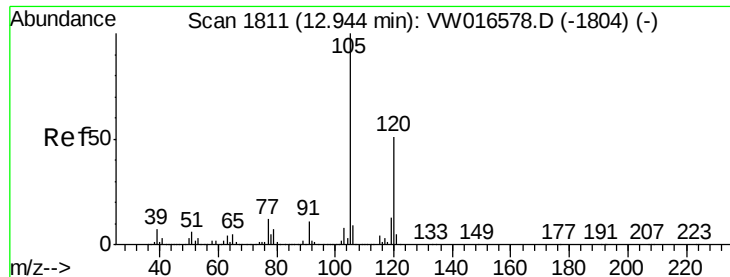
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

110 45.0 35.8 53.8

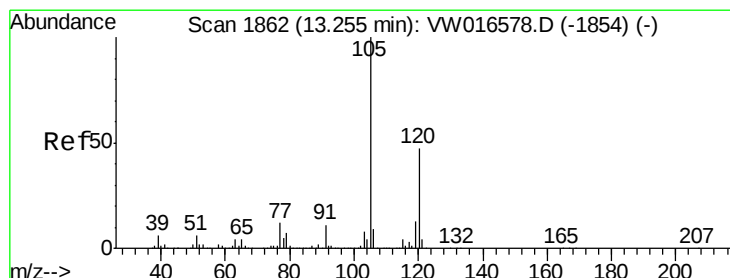
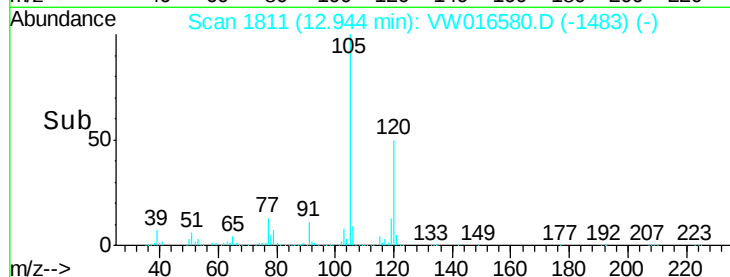
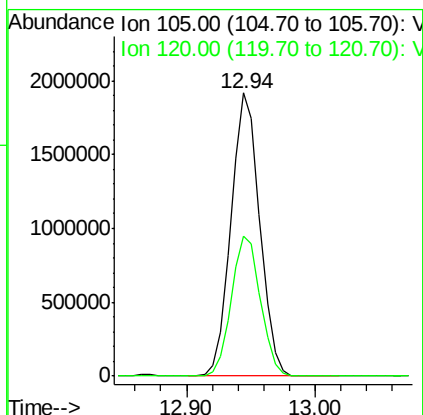
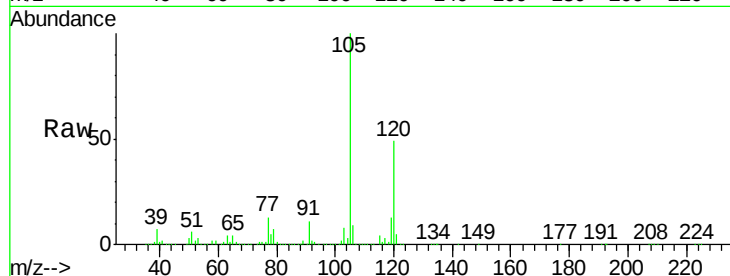




#62
 1,3,5-Trimethylbenzene
 Concen: 100.928 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

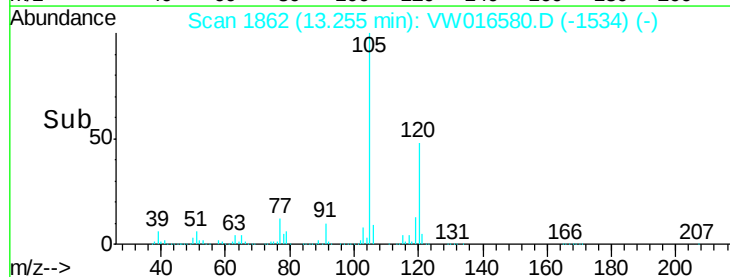
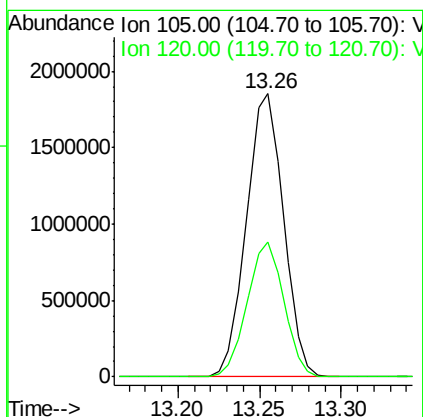
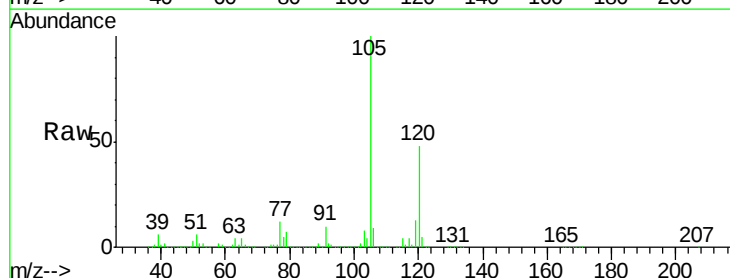
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

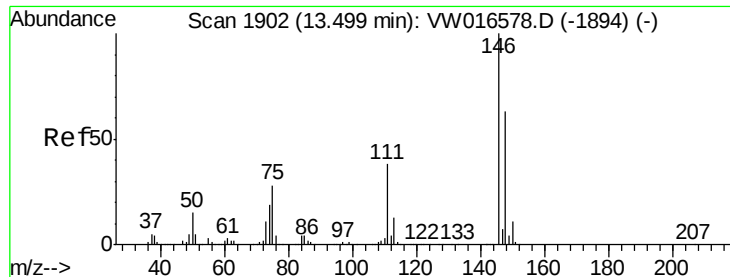
Tgt Ion:105 Resp: 2971444
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 100.603 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion:105 Resp: 2943819
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.4 54.6

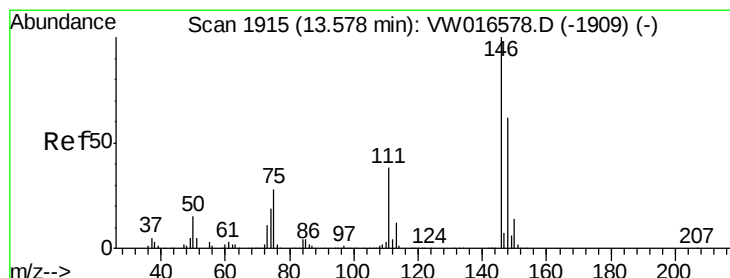
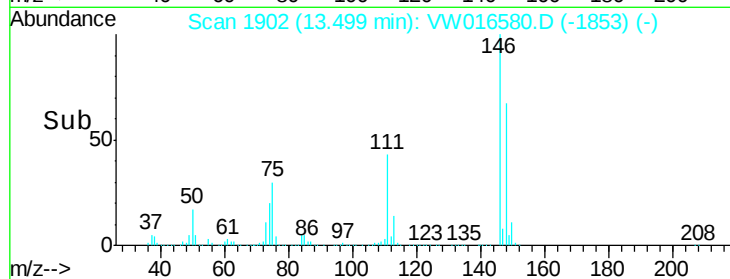
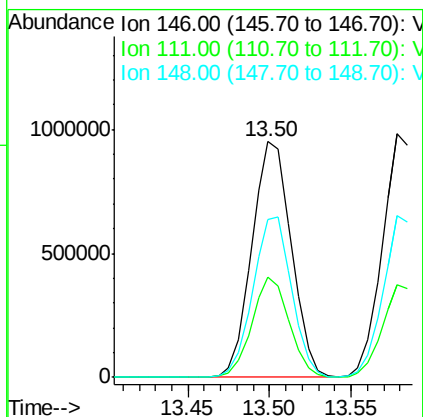
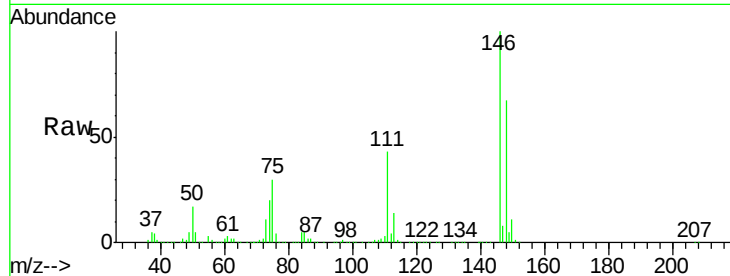




#64
 1,3-Dichlorobenzene
 Concen: 97.228 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

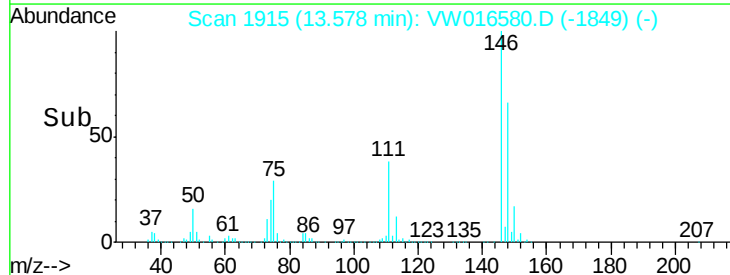
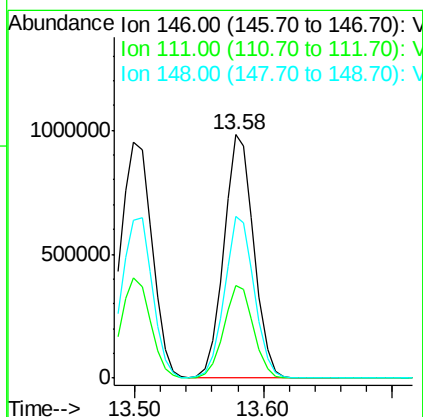
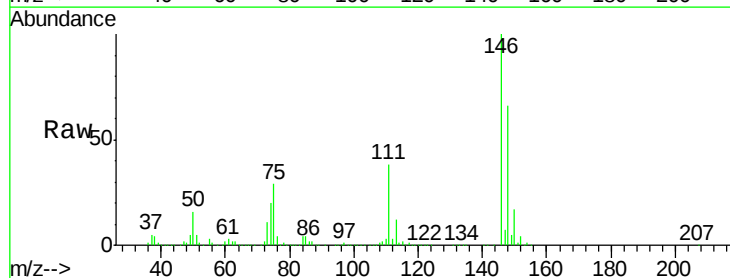
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

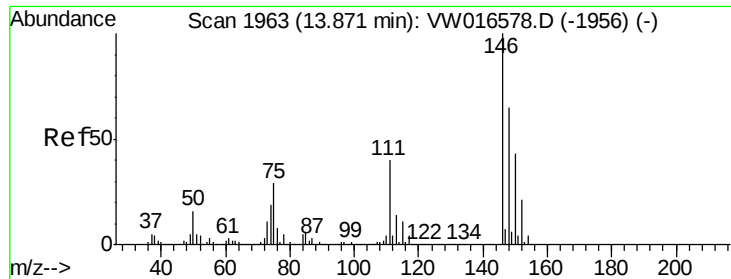
Tgt Ion:146 Resp: 1596368
 Ion Ratio Lower Upper
 146 100
 111 42.8 26.5 49.3
 148 66.9 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 98.984 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion:146 Resp: 1593959
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.5 49.3
 148 66.4 43.8 81.4

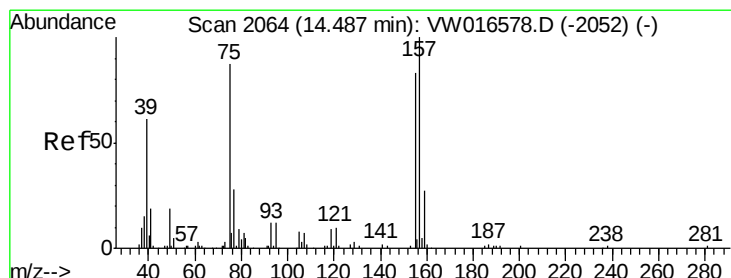
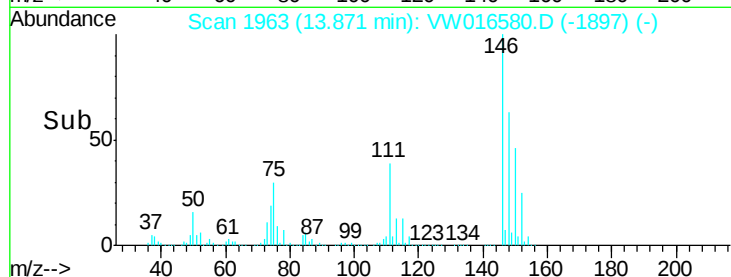
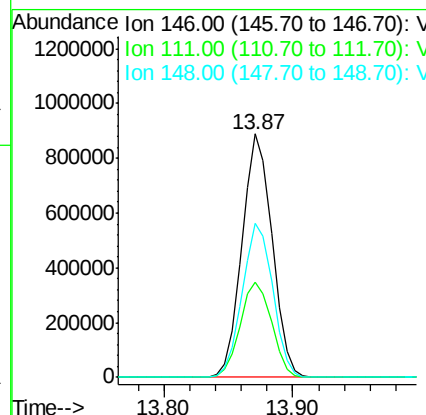
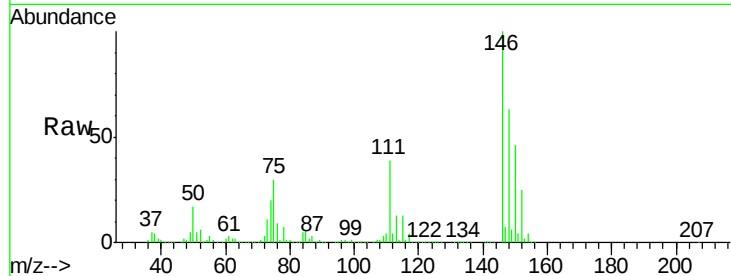




#67
 1,2-Dichlorobenzene
 Concen: 98.803 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

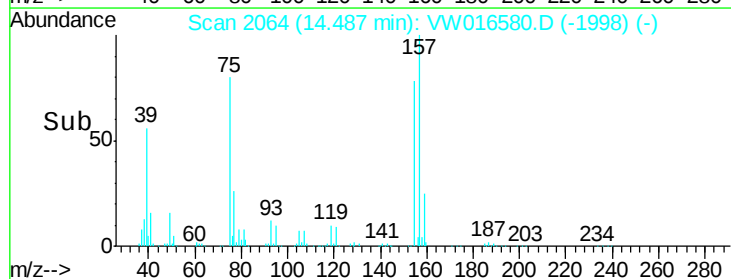
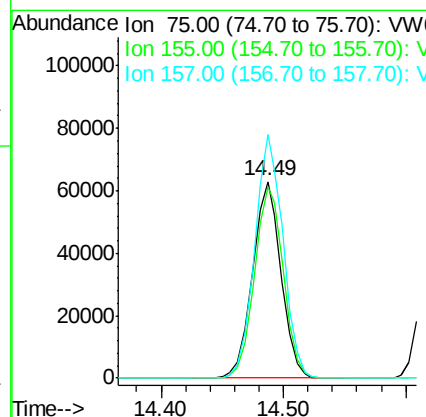
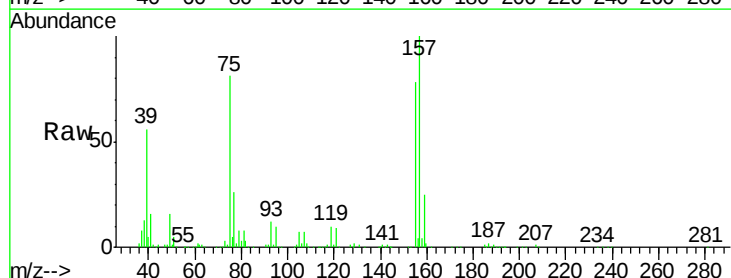
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

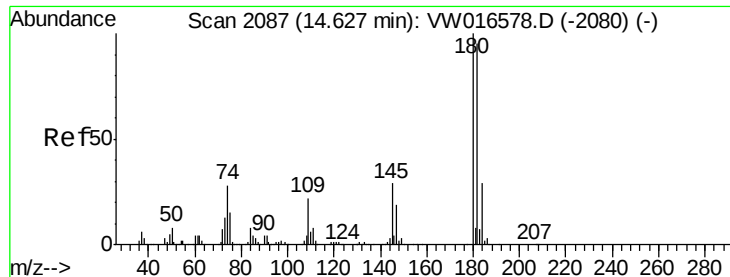
Tgt Ion: 146 Resp: 1435227
 Ion Ratio Lower Upper
 146 100
 111 39.1 32.4 48.6
 148 63.3 52.2 78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 106.830 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion: 75 Resp: 101402
 Ion Ratio Lower Upper
 75 100
 155 97.3 76.6 115.0
 157 123.9 92.0 138.0

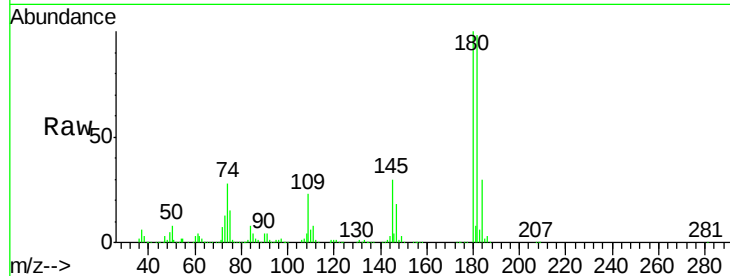




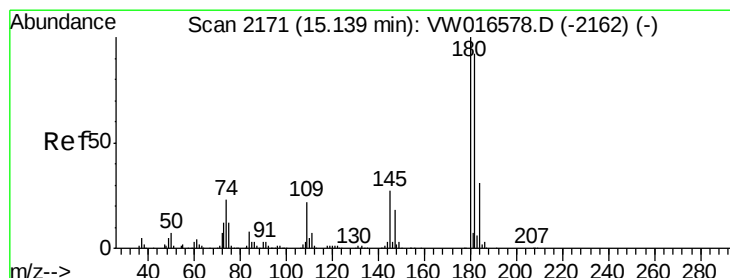
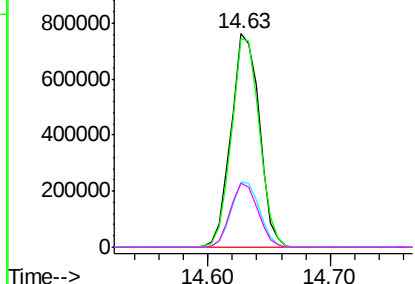
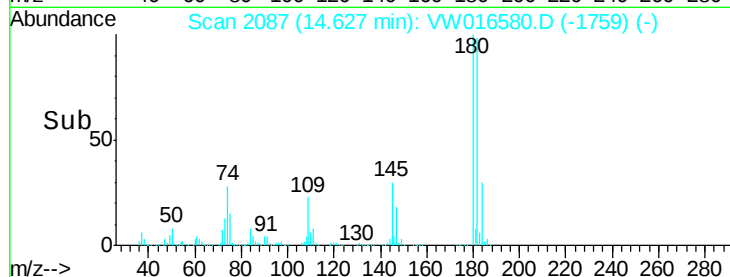
#69
 1,3,5-Trichlorobenzene
 Concen: 99.800 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100103

Tgt Ion:180 Resp: 1209453
 Ion Ratio Lower Upper
 180 100
 182 96.6 79.0 118.4
 184 30.8 24.6 36.8
 145 29.4 23.2 34.8

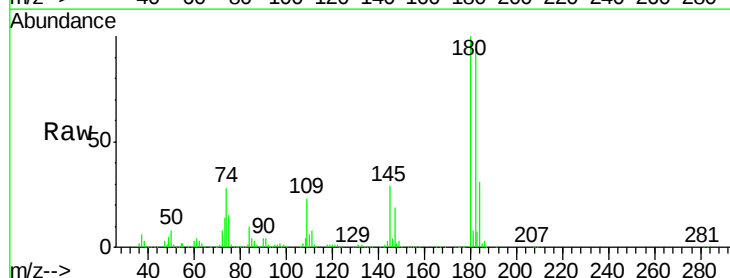


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

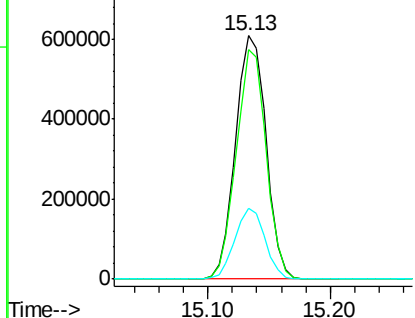
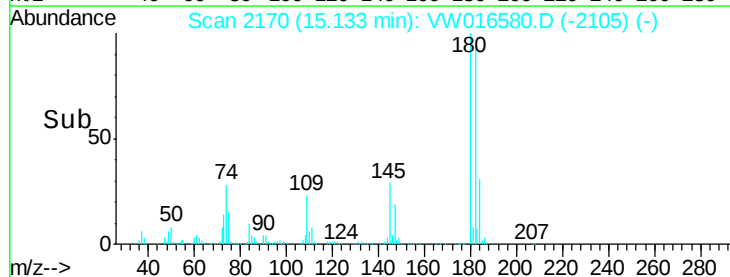


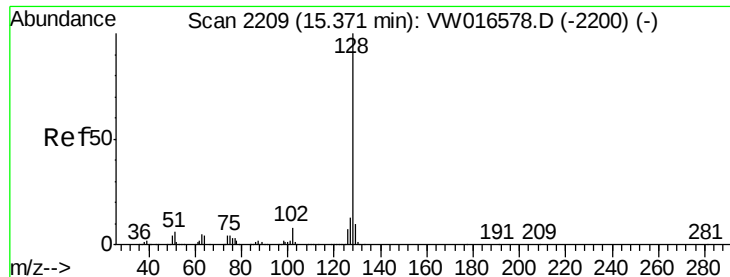
#70
 1,2,4-trichlorobenzene
 Concen: 107.496 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW016580.D
 Acq: 18 Sep 2020 11:45

Tgt Ion:180 Resp: 1052103
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.1 114.1
 145 28.6 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



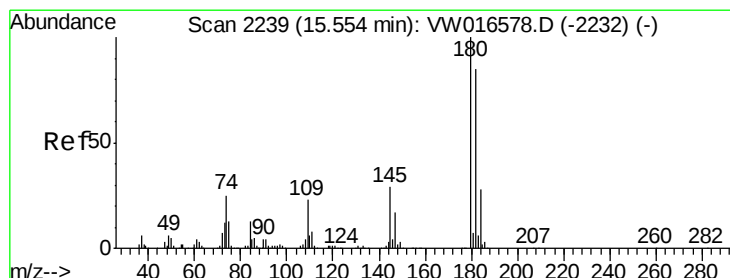
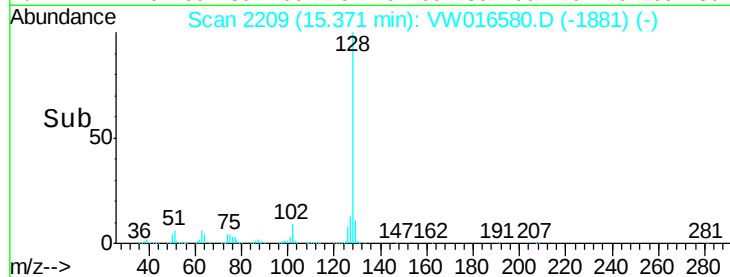
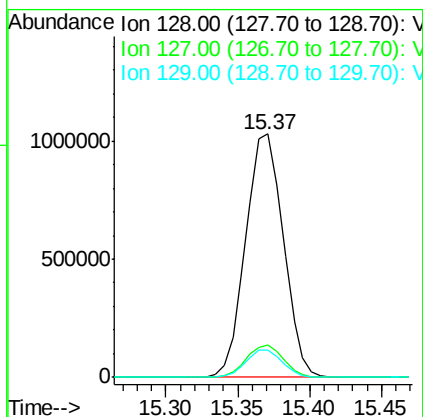
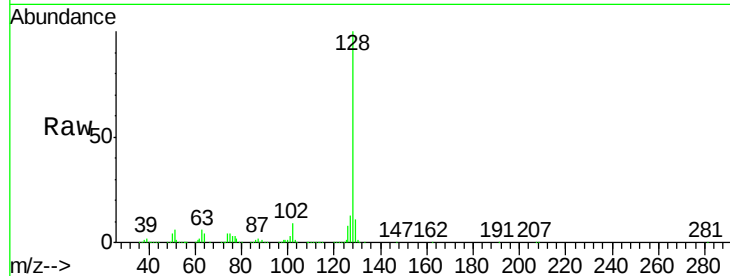


#71
Naphthalene
Concen: 113.848 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTD100103

Tgt Ion:128 Resp: 1869962

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.1	9.0	13.4



#72
1,2,3-Trichlorobenzene
Concen: 107.716 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW016580.D
Acq: 18 Sep 2020 11:45

Tgt Ion:180 Resp: 885190

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.5	113.3
145	31.6	24.3	36.5

