

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
 Data File : VW016442.D
 Acq On : 03 Sep 2020 12:46
 Operator : SY/VA
 Sample : VSTD05006
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Quant Time: Sep 03 13:34:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 13:30:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	923472	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	833890	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	402528	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	441341	44.24	ug/L	0.00
7) Chloroethane-d5	2.89	69	408925	51.93	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1067781	45.46	ug/L	0.00
20) 2-Butanone-d5	7.08	46	309845	105.40	ug/L	0.00
24) Chloroform-d	7.65	84	1062740	44.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	569010	46.18	ug/L	0.00
29) Benzene-d6	8.28	84	2070756	44.72	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	613476	47.40	ug/L	0.00
37) Toluene-d8	10.33	98	1952529	44.91	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	307215	49.05	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	247846	112.50	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	520529	48.60	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	686804	45.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	532758	51.447 ug/L	97
3) Chloromethane	2.22	50	474832	56.652 ug/L	99
5) Vinyl chloride	2.37	62	594722	53.191 ug/L	98
6) Bromomethane	2.78	94	446363	59.679 ug/L	100
8) Chloroethane	2.93	64	369879	58.229 ug/L	100
9) Trichlorofluoromethane	3.26	101	504289	44.194 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	582057	46.148 ug/L	99
12) 1,1-Dichloroethene	4.04	96	579926	47.189 ug/L	94
13) Acetone	4.13	43	207641	91.318 ug/L	96
14) Carbon disulfide	4.39	76	1763223	47.982 ug/L	99
15) Methyl Acetate	4.68	43	269284	56.173 ug/L	99
16) Methylene chloride	4.92	84	572518	33.895 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	838866	46.847 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	614143	47.559 ug/L	96
19) 1,1-Dichloroethane	6.22	63	1047410	49.062 ug/L	98
21) 2-Butanone	7.18	43	334082	98.640 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	646201	47.684 ug/L	99
23) Bromochloromethane	7.52	128	302287	48.819 ug/L	93
25) Chloroform	7.68	83	1071410	47.098 ug/L	99
27) 1,2-Dichloroethane	8.40	62	717747	49.745 ug/L	99
30) Cyclohexane	7.96	56	1002918	53.834 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	927615	46.598 ug/L	98
32) Carbon tetrachloride	8.07	117	887648	46.699 ug/L	100
34) Benzene	8.33	78	2316000	48.184 ug/L	100
35) Trichloroethene	9.09	95	643165	47.347 ug/L	99
36) Methylcyclohexane	9.34	83	1136082	50.764 ug/L	99
40) 1,2-Dichloropropane	9.37	63	570516	50.013 ug/L	100
41) Bromodichloromethane	9.65	83	808117	50.438 ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	990987	53.104 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	781546	111.036 ug/L	99

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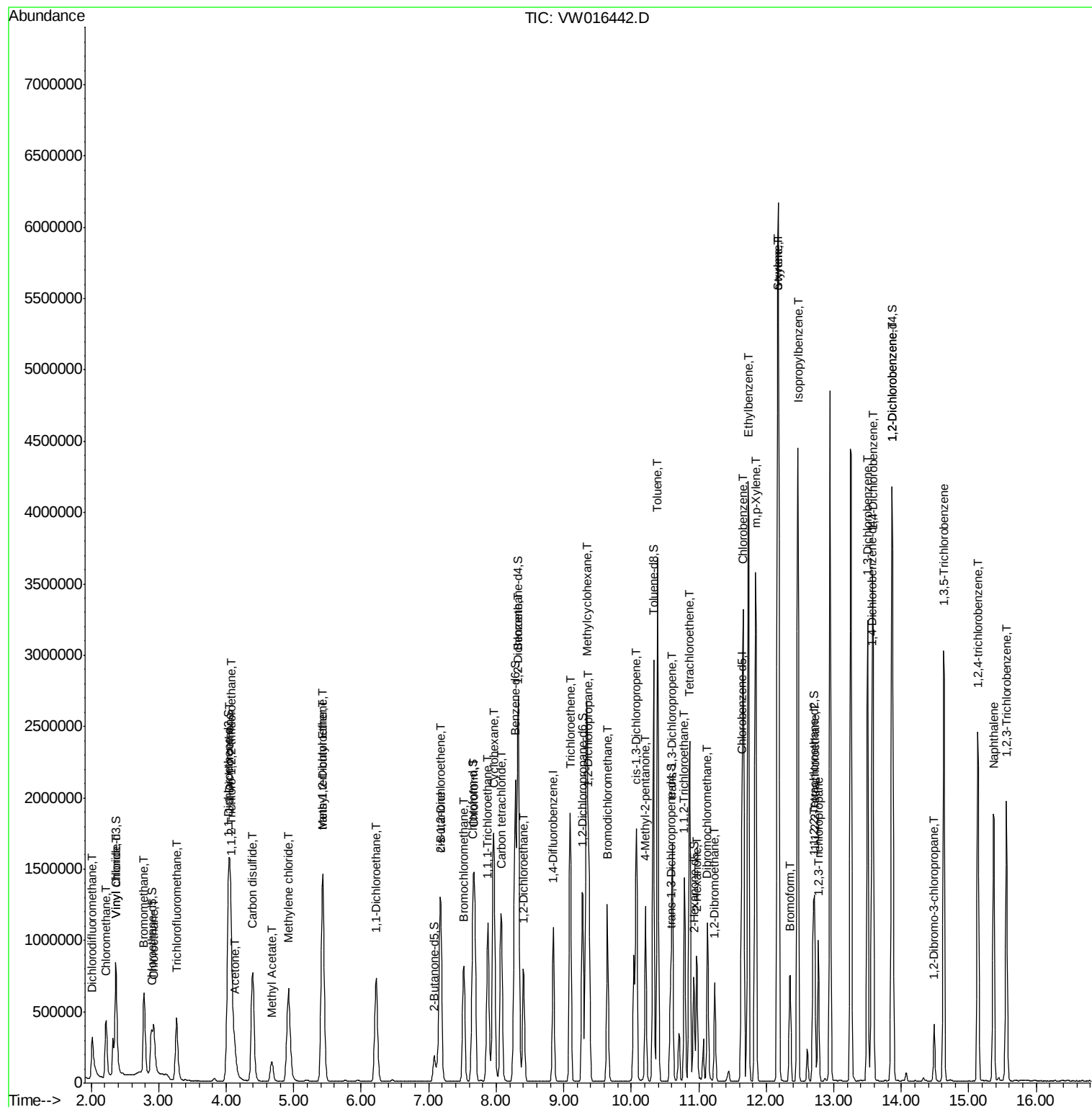
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2569430	48.898	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	874673	52.855	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	451081	48.504	ug/L	99
47) Tetrachloroethene	10.87	164	520721	48.608	ug/L	93
49) 2-Hexanone	10.97	43	546231	118.761	ug/L	99
50) Dibromochloromethane	11.13	129	578876	49.859	ug/L	94
51) 1,2-Dibromoethane	11.24	107	449299	49.153	ug/L	97
52) Chlorobenzene	11.66	112	1662113	47.782	ug/L	97
53) Ethylbenzene	11.73	91	2942618	48.984	ug/L	99
54) m,p-Xylene	11.84	106	1144209	49.731	ug/L	95
55) o-xylene	12.17	106	1085587	50.040	ug/L	97
56) Styrene	12.18	104	1869355	51.263	ug/L	99
57) Isopropylbenzene	12.47	105	2963078	49.342	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	537179	49.512	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	395181	49.136	ug/L	100
62) Bromoform	12.35	173	343003	51.582	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	1315163	48.701	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	1279103	46.731	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	1125352	46.583	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	99695	51.620	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	862405	46.258	ug/L	94
68) 1,2,4-trichlorobenzene	15.13	180	794181	53.932	ug/L	94
69) Naphthalene	15.36	128	1667643	56.826	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	675522	52.210	ug/L	99

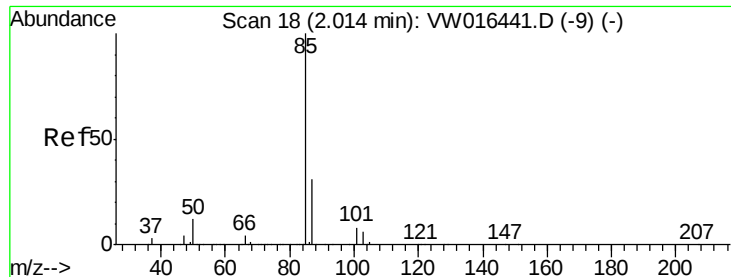
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.447 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

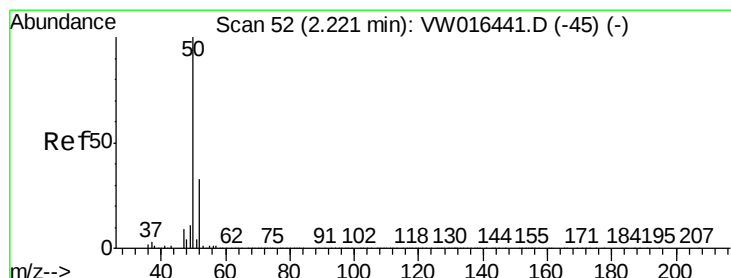
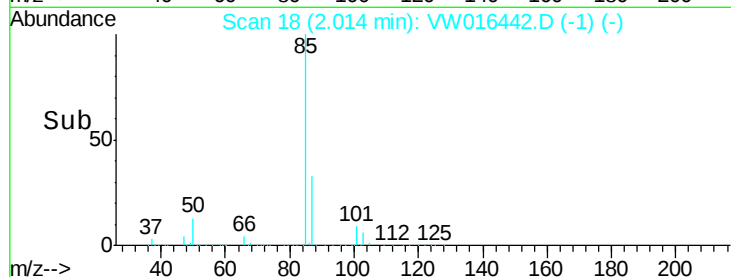
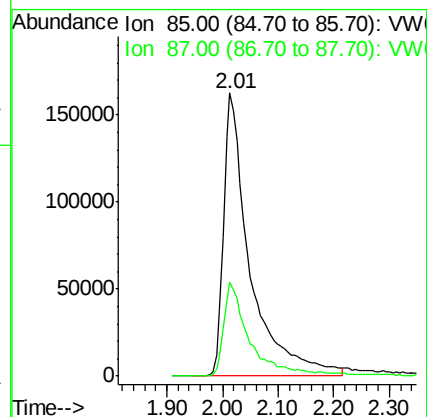
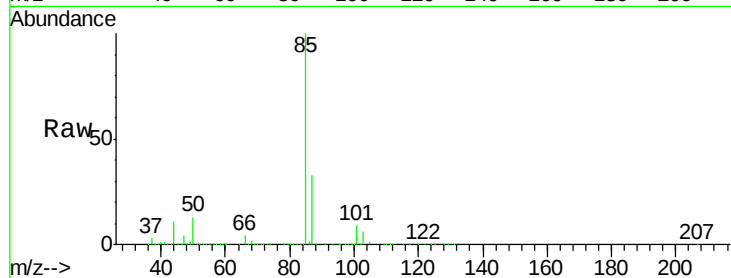
VSTD05006

Tgt Ion: 85 Resp: 532758

Ion Ratio Lower Upper

85 100

87 30.4 22.3 41.5



#3

Chloromethane

Concen: 56.652 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016442.D

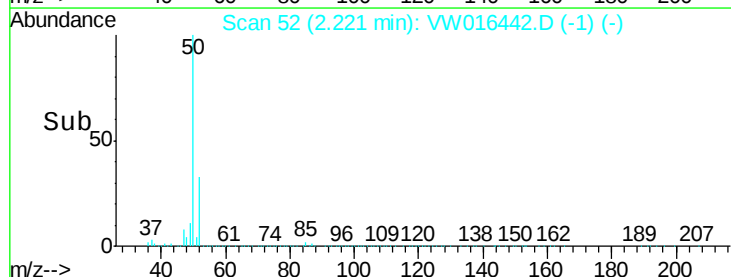
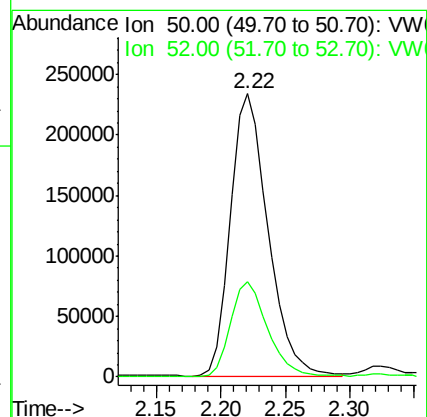
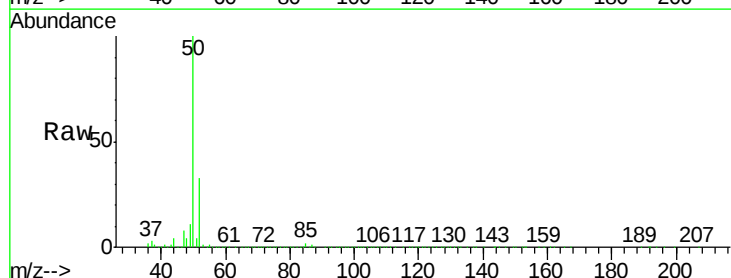
Acq: 03 Sep 2020 12:46

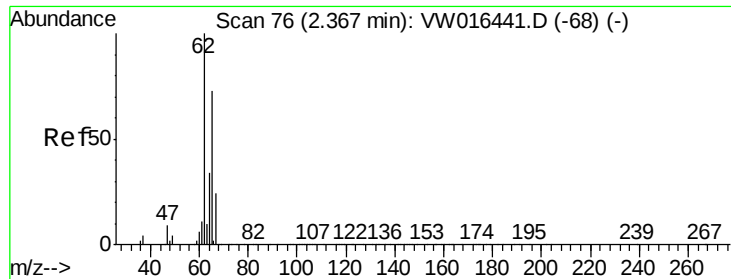
Tgt Ion: 50 Resp: 474832

Ion Ratio Lower Upper

50 100

52 33.5 23.0 42.6





#5

Vinyl chloride

Concen: 53.191 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

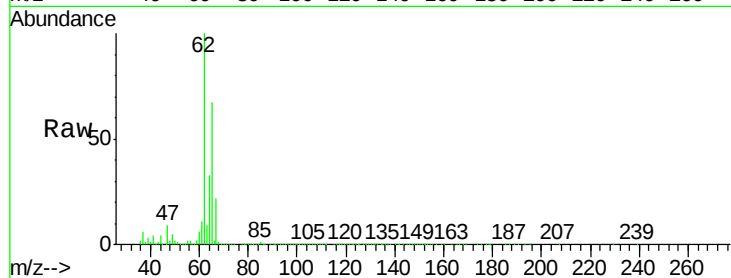
VSTD05006

Tgt Ion: 62 Resp: 594722

Ion Ratio Lower Upper

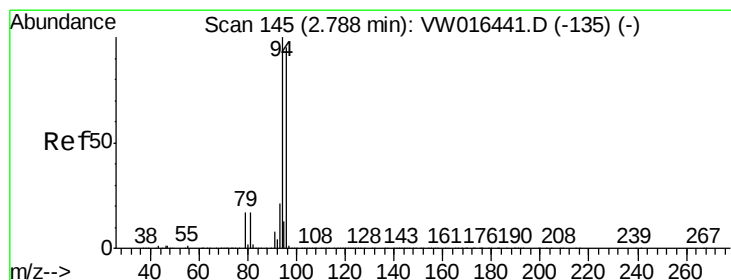
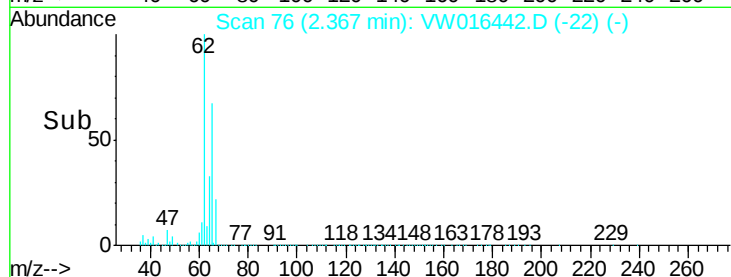
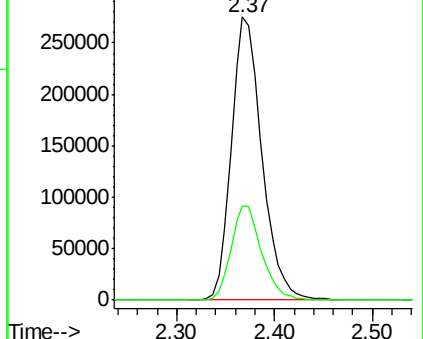
62 100

64 33.1 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 59.679 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016442.D

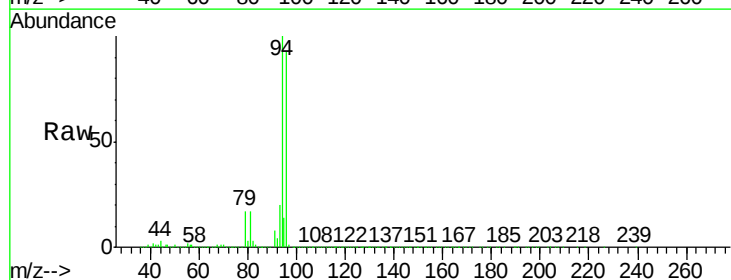
Acq: 03 Sep 2020 12:46

Tgt Ion: 94 Resp: 446363

Ion Ratio Lower Upper

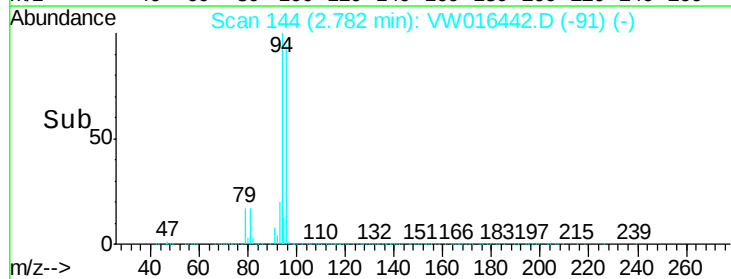
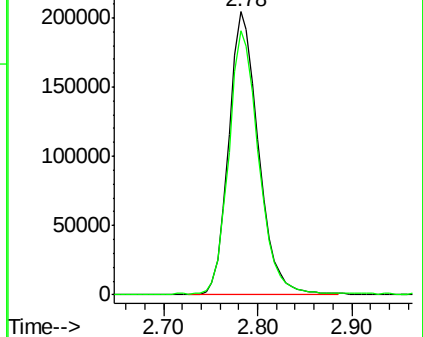
94 100

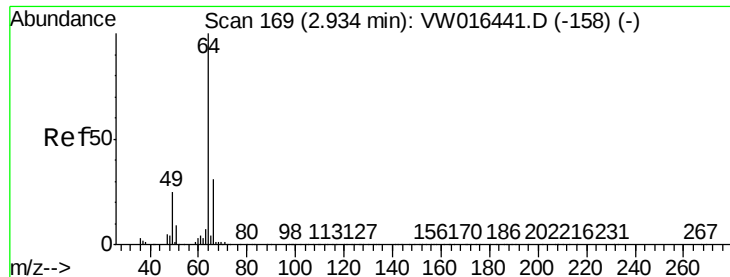
96 93.9 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 58.229 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

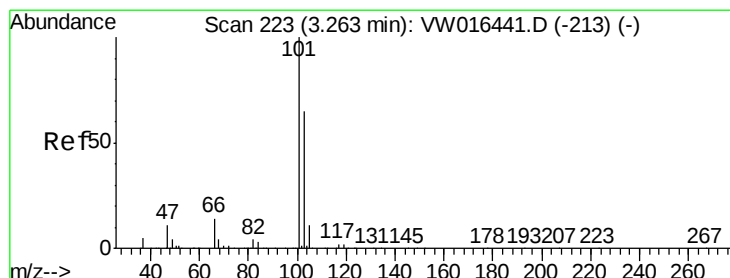
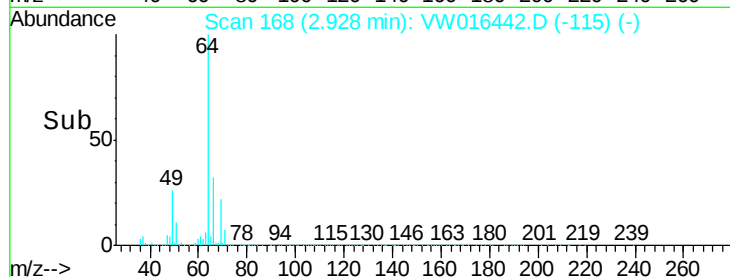
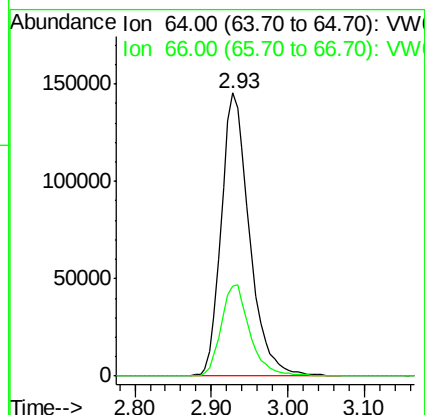
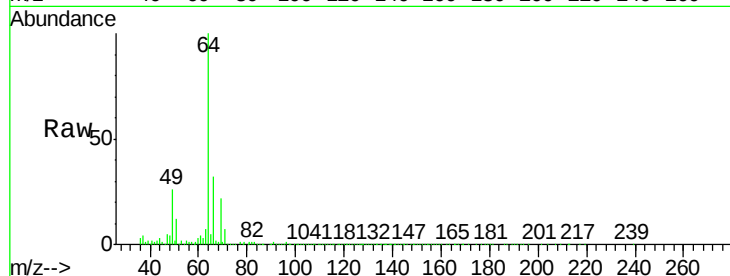
VSTD05006

Tgt Ion: 64 Resp: 369879

Ion Ratio Lower Upper

64 100

66 32.0 22.4 41.6



#9

Trichlorofluoromethane

Concen: 44.194 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016442.D

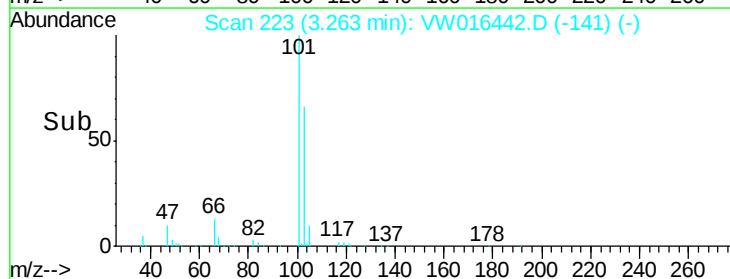
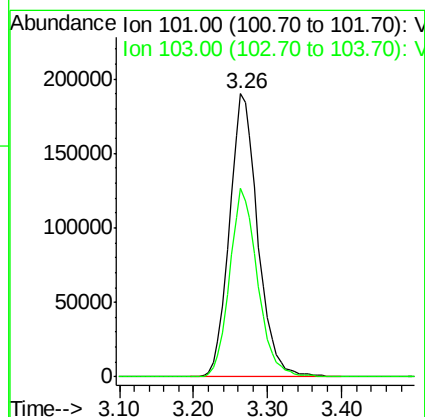
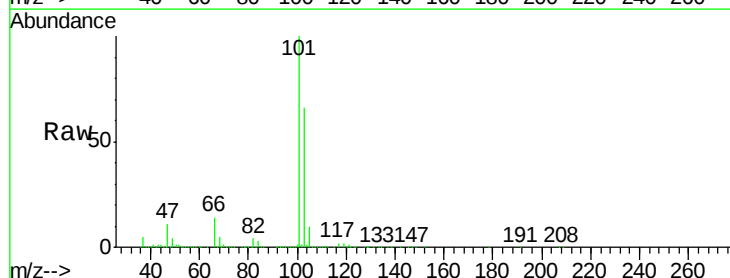
Acq: 03 Sep 2020 12:46

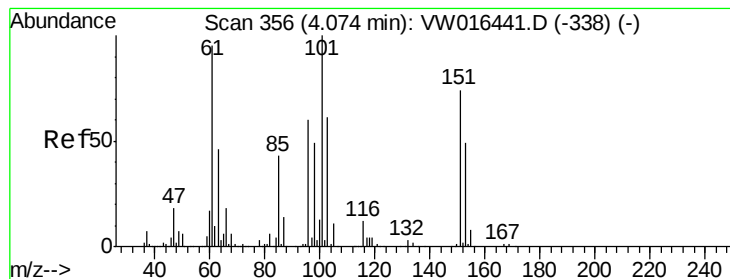
Tgt Ion: 101 Resp: 504289

Ion Ratio Lower Upper

101 100

103 65.8 45.1 83.7





#11

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

Concen: 46.148 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

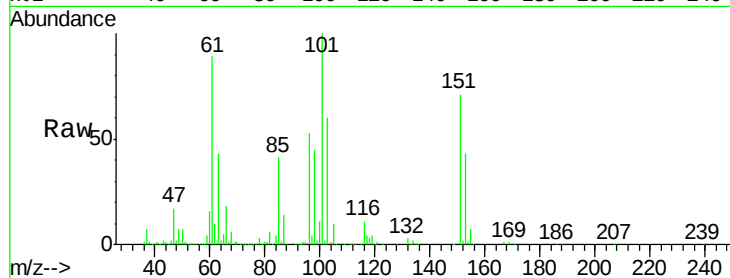
Tgt Ion:101 Resp: 582057

Ion Ratio Lower Upper

101 100

85 41.5 33.4 50.0

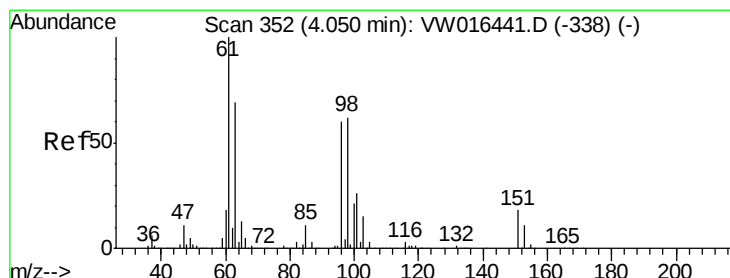
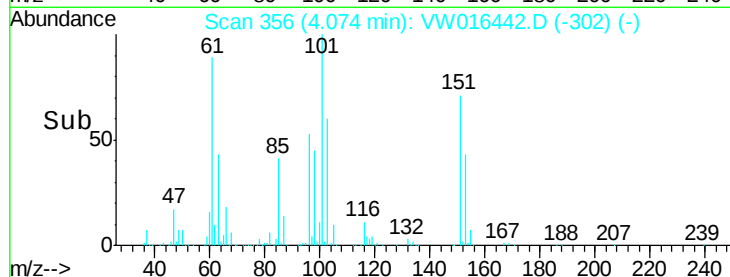
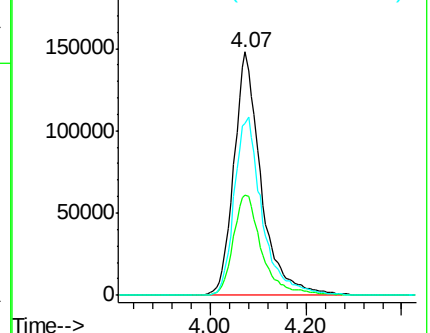
151 75.4 61.6 92.4



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: 47.189 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

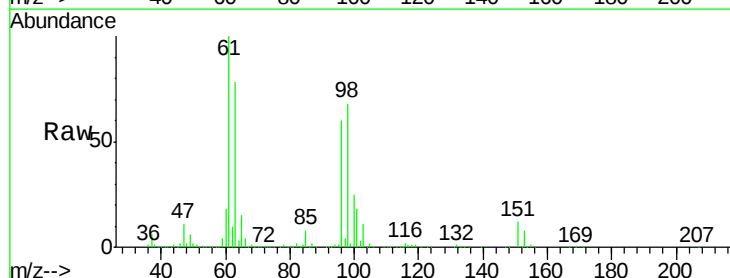
Tgt Ion: 96 Resp: 579926

Ion Ratio Lower Upper

96 100

61 167.9 116.5 216.3

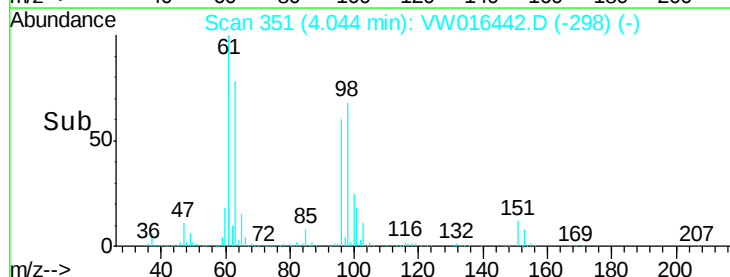
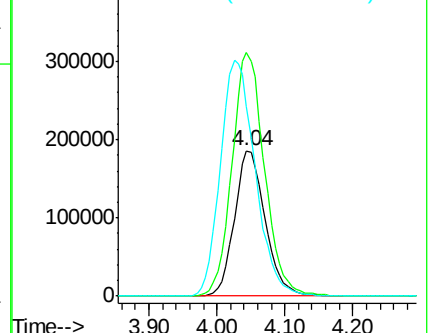
63 130.6 81.1 150.5

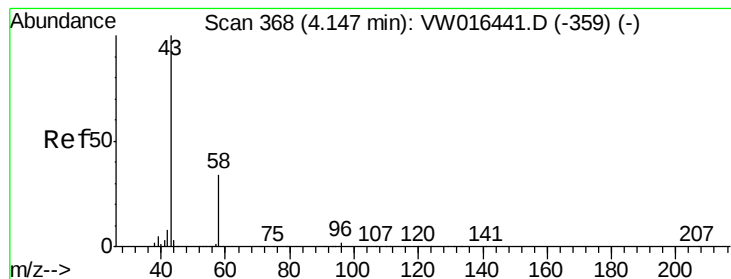


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 91.318 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

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ClientSampleId :

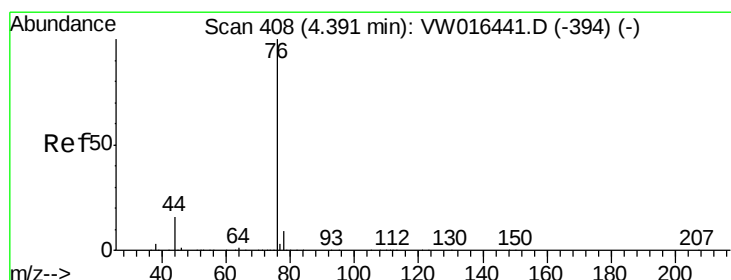
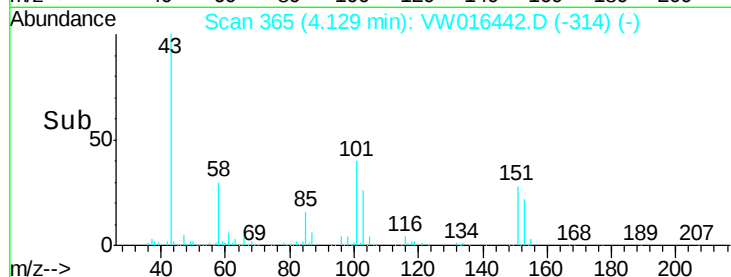
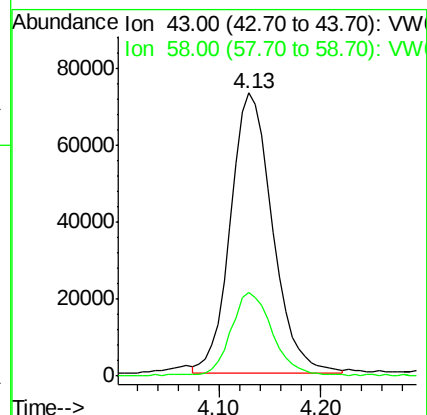
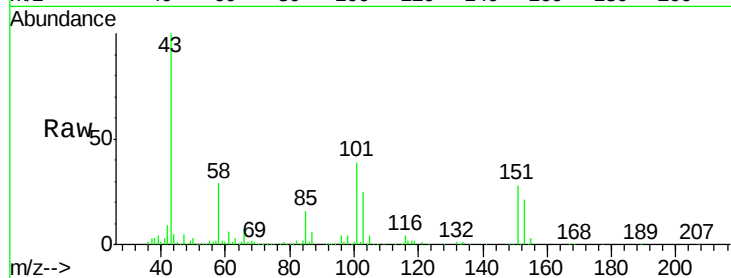
VSTD05006

Tgt Ion: 43 Resp: 207641

Ion Ratio Lower Upper

43 100

58 29.5 0.0 63.0



#14

Carbon disulfide

Concen: 47.982 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016442.D

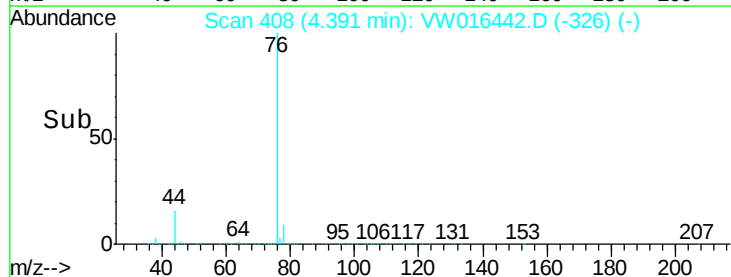
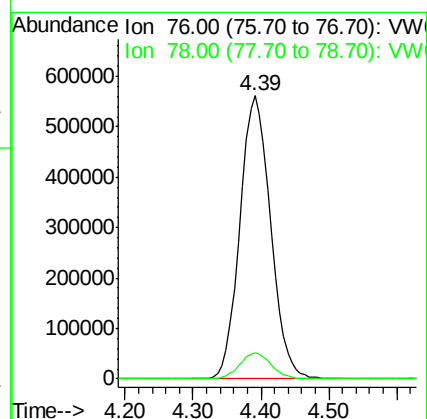
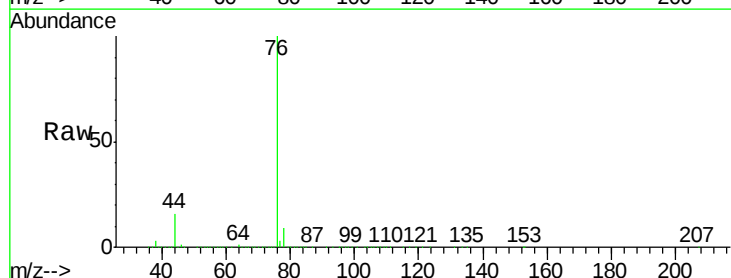
Acq: 03 Sep 2020 12:46

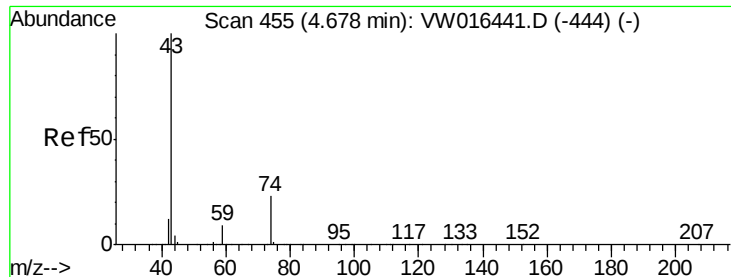
Tgt Ion: 76 Resp: 1763223

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

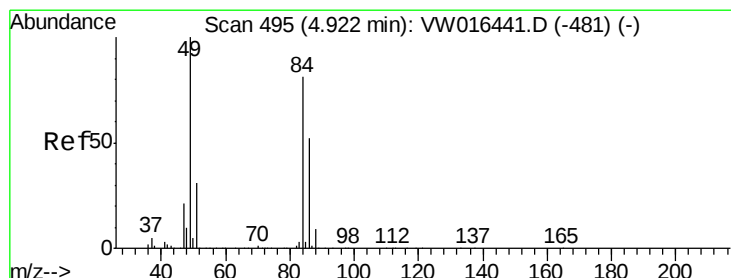
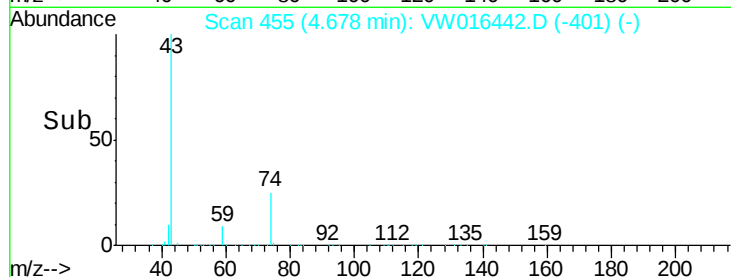
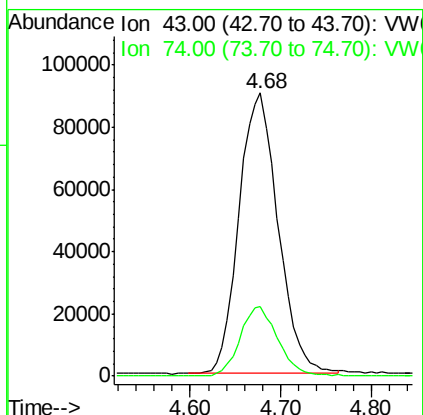
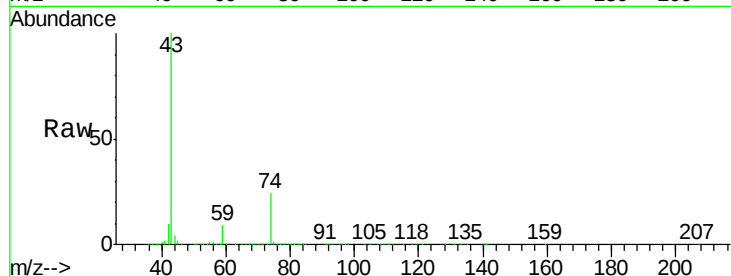




#15
Methyl Acetate
Concen: 56.173 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

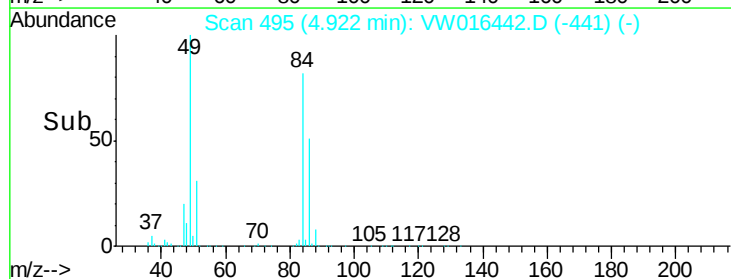
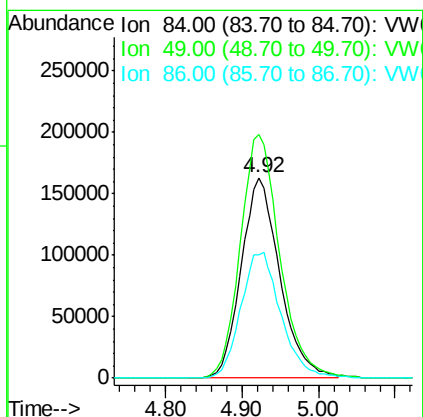
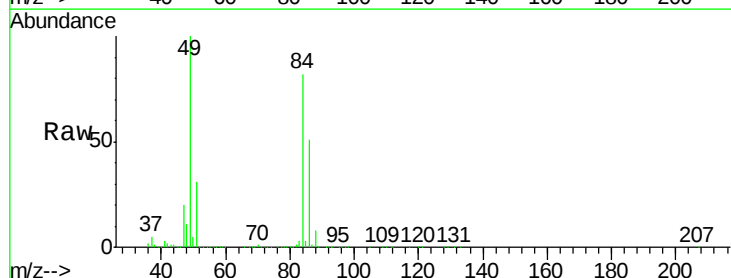
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

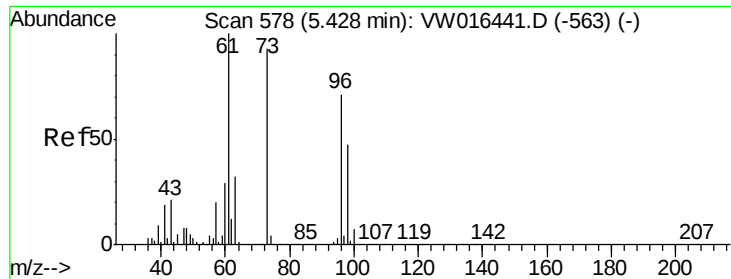
Tgt Ion: 43 Resp: 269284
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3



#16
Methylene chloride
Concen: 33.895 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

Tgt Ion: 84 Resp: 572518
Ion Ratio Lower Upper
84 100
49 121.5 86.7 160.9
86 61.7 44.9 83.5

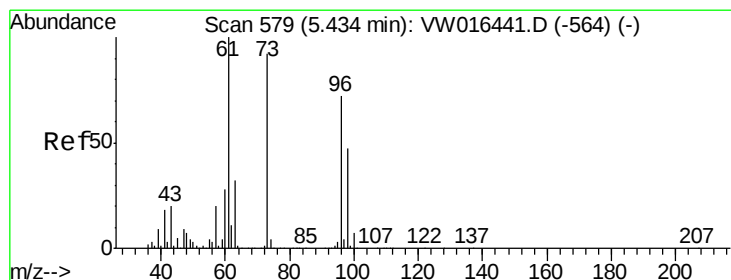
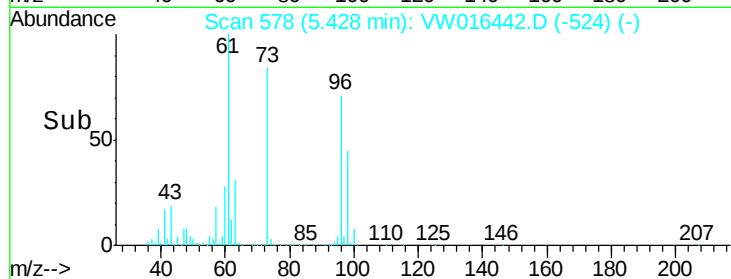
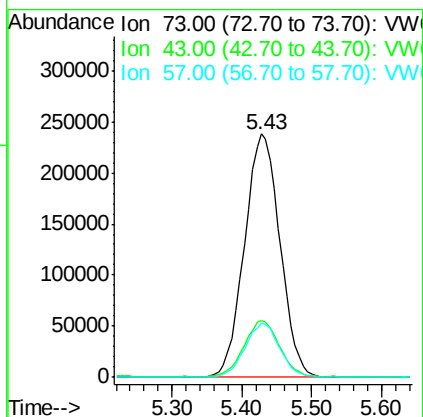
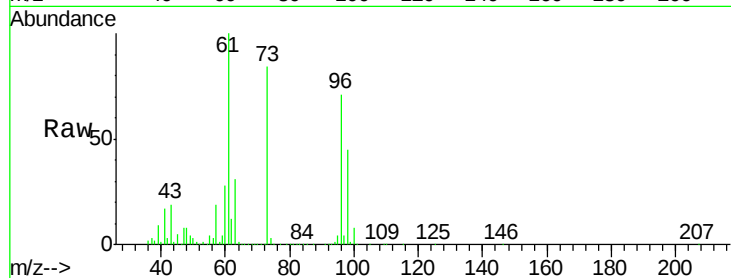




#17
Methyl tert-butyl Ether
Concen: 46.847 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

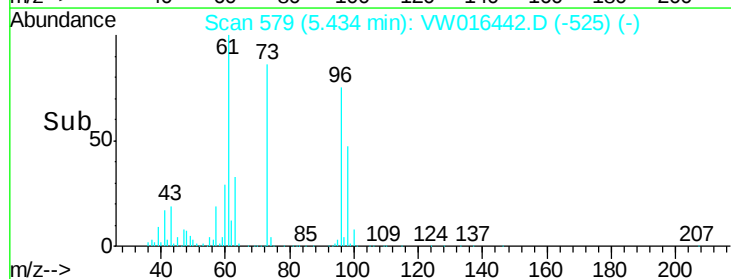
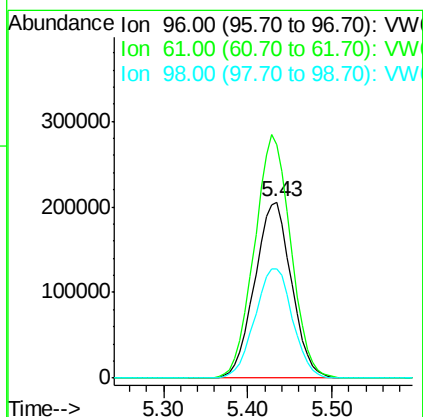
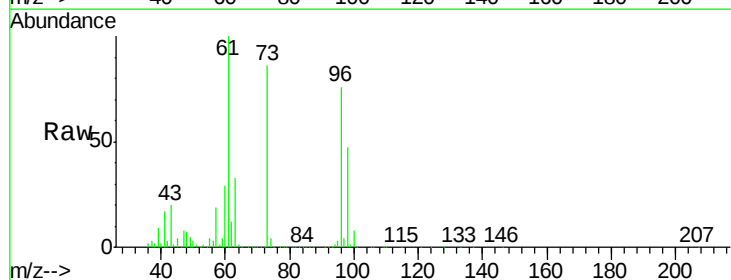
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

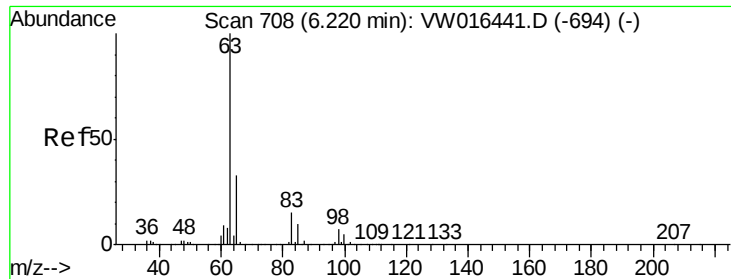
Tgt Ion: 73 Resp: 838866
Ion Ratio Lower Upper
73 100
43 22.8 17.9 26.9
57 21.6 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 47.559 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

Tgt Ion: 96 Resp: 614143
Ion Ratio Lower Upper
96 100
61 132.4 96.4 179.0
98 61.9 45.1 83.7



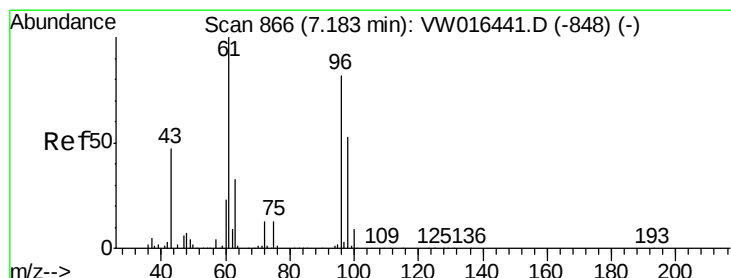
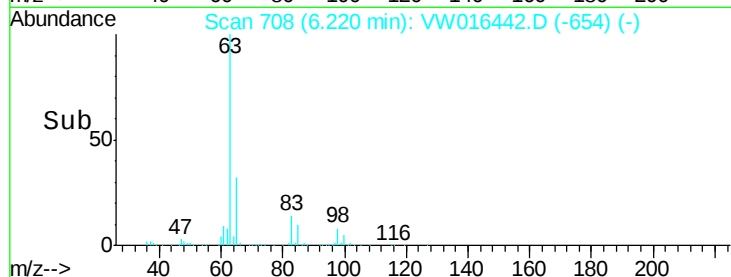
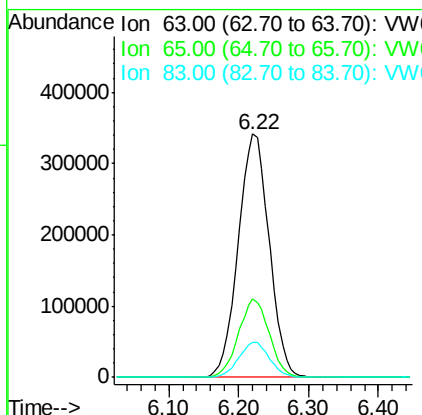
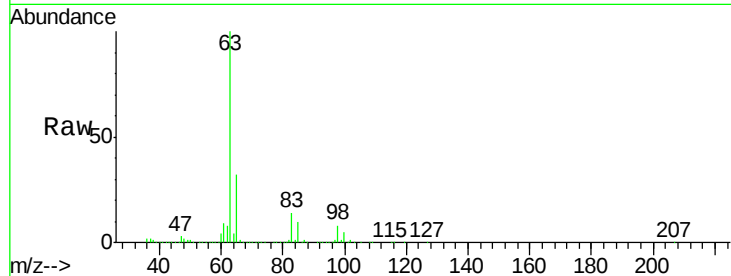


#19
 1,1-Dichloroethane
 Concen: 49.062 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tgt Ion: 63 Resp: 1047410

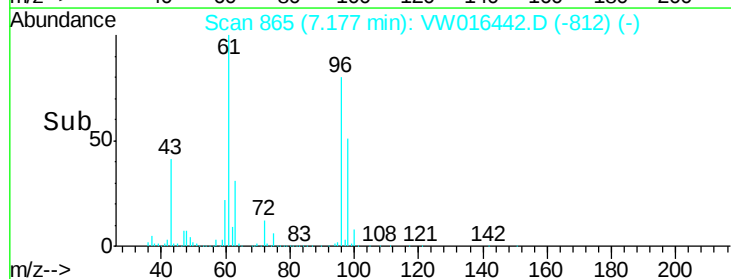
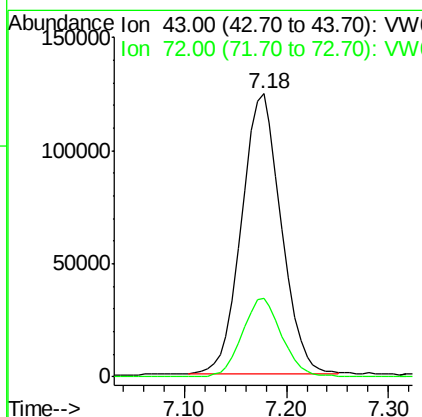
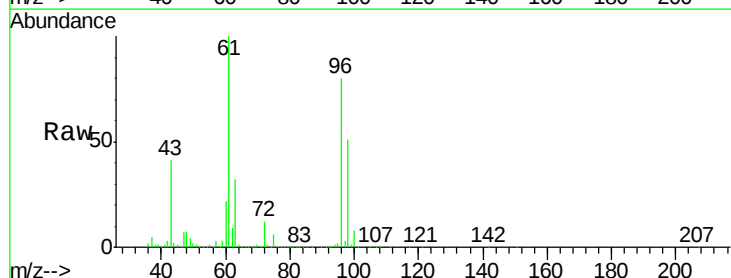
Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.3	43.3
83	14.3	10.3	19.1

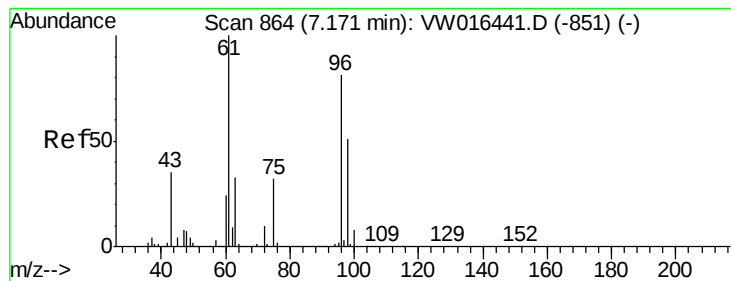


#21
 2-Butanone
 Concen: 98.640 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Tgt Ion: 43 Resp: 334082

Ion	Ratio	Lower	Upper
43	100		
72	28.1	13.5	40.4



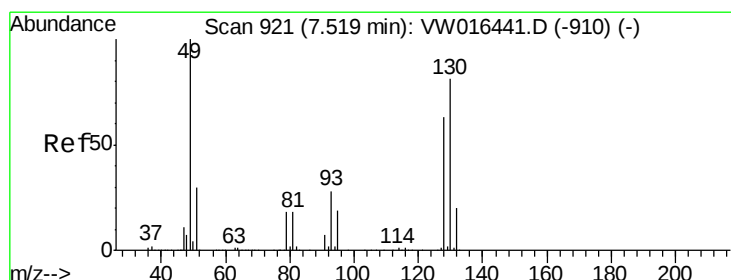
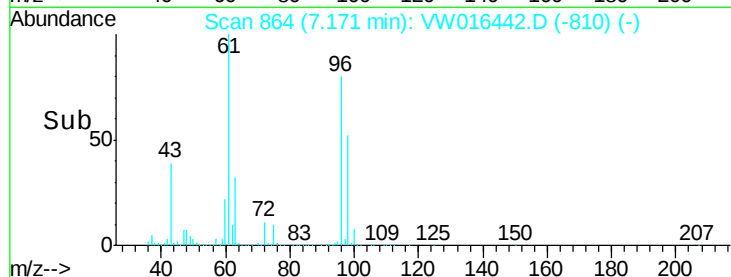
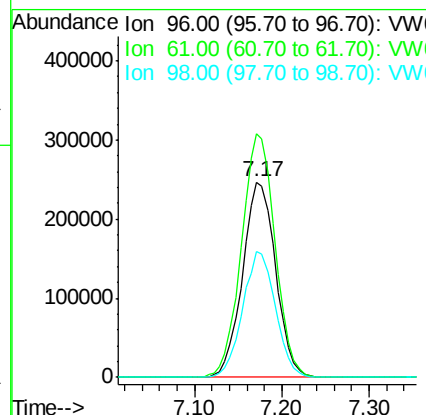
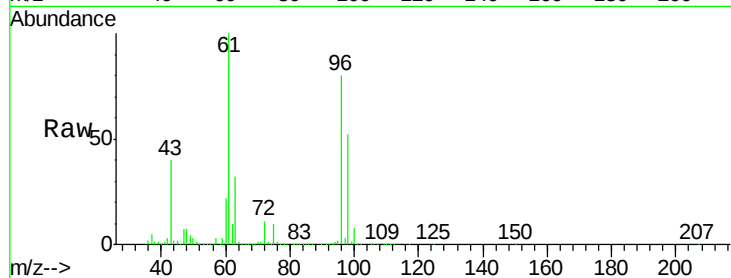


#22

cis-1,2-Dichloroethene
Concen: 47.684 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

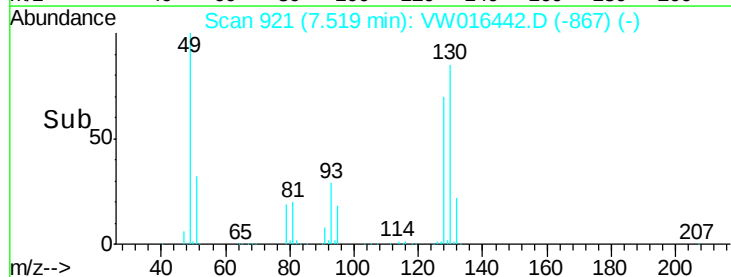
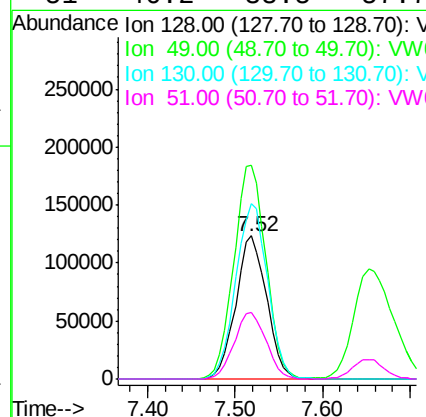
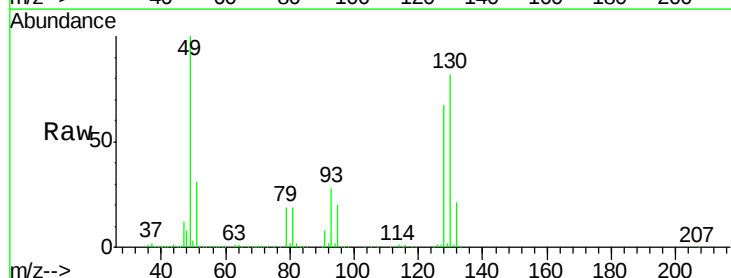
Tgt Ion: 96 Resp: 646201
Ion Ratio Lower Upper
96 100
61 124.5 86.1 159.9
98 64.2 44.1 81.9

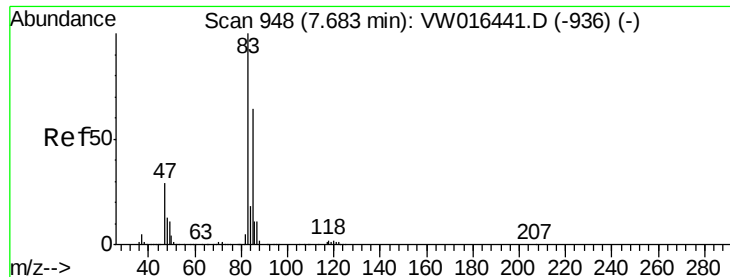


#23

Bromochloromethane
Concen: 48.819 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

Tgt Ion: 128 Resp: 302287
Ion Ratio Lower Upper
128 100
49 149.4 111.6 207.4
130 122.3 90.9 168.7
51 46.2 38.5 57.7





#25

Chloroform

Concen: 47.098 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

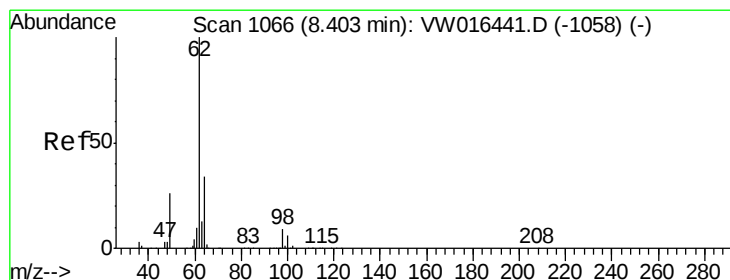
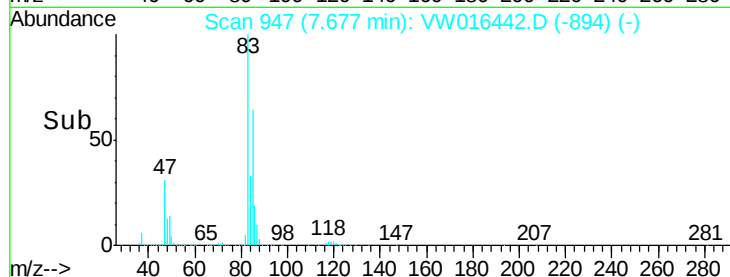
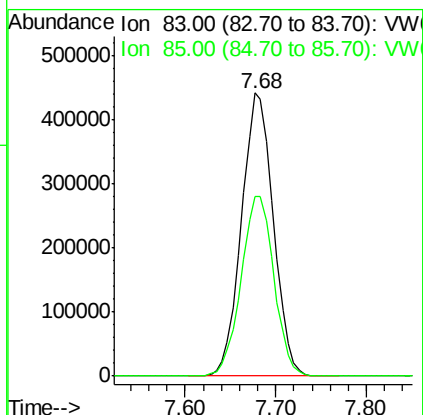
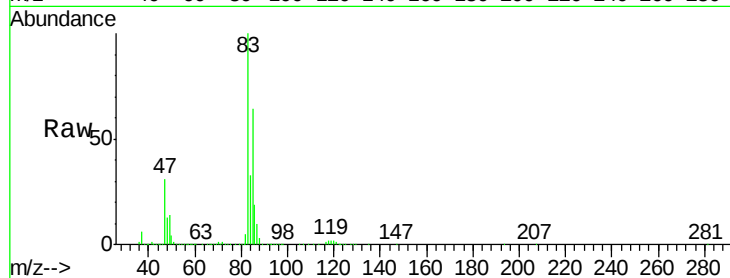
VSTD05006

Tgt Ion: 83 Resp: 1071410

Ion Ratio Lower Upper

83 100

85 65.8 45.6 84.8



#27

1,2-Dichloroethane

Concen: 49.745 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016442.D

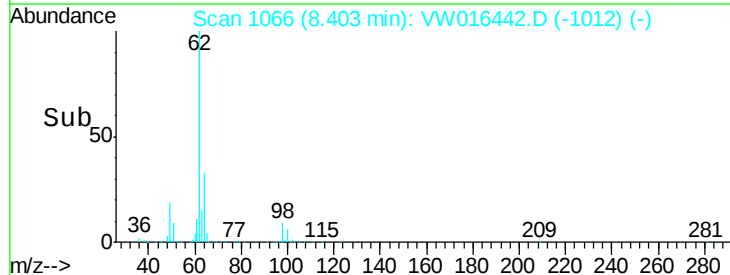
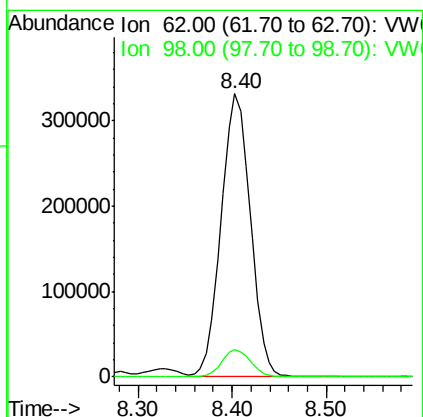
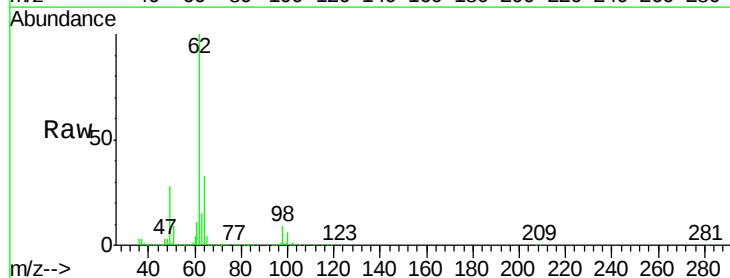
Acq: 03 Sep 2020 12:46

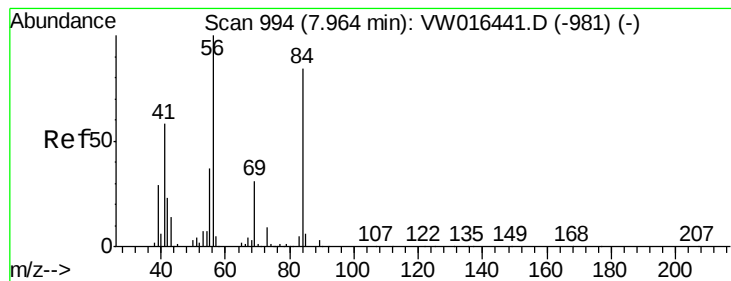
Tgt Ion: 62 Resp: 717747

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9





#30

Cyclohexane

Concen: 53.834 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

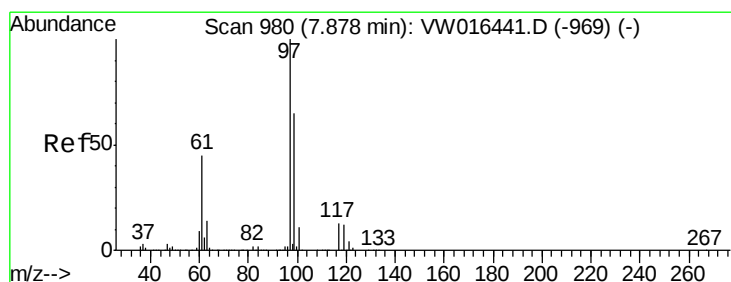
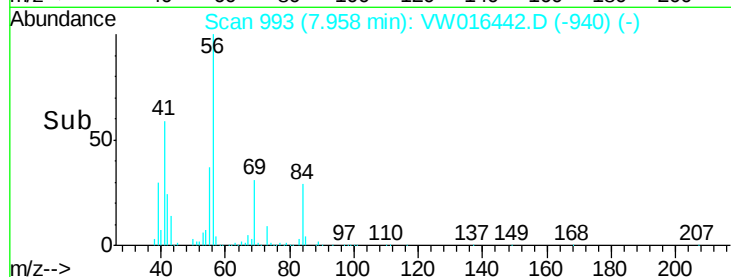
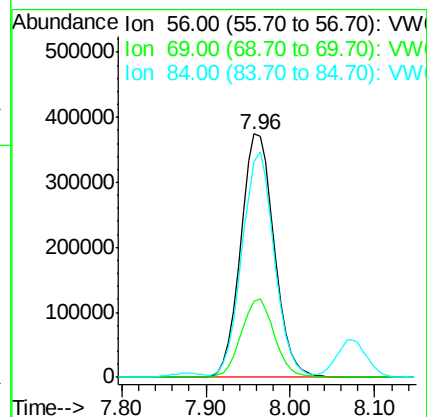
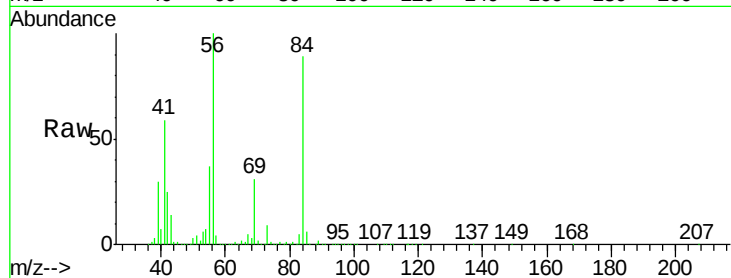
Tgt Ion: 56 Resp: 1002918

Ion Ratio Lower Upper

56 100

69 31.8 25.3 37.9

84 90.0 71.6 107.4



#31

1,1,1-Trichloroethane

Concen: 46.598 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

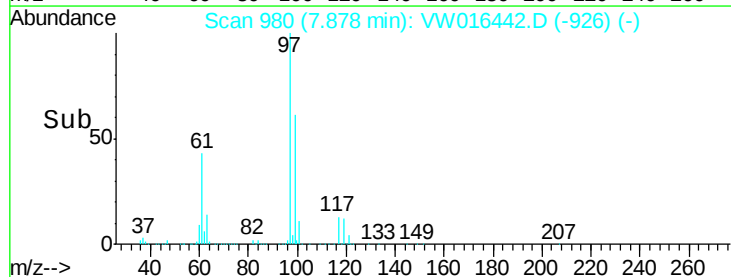
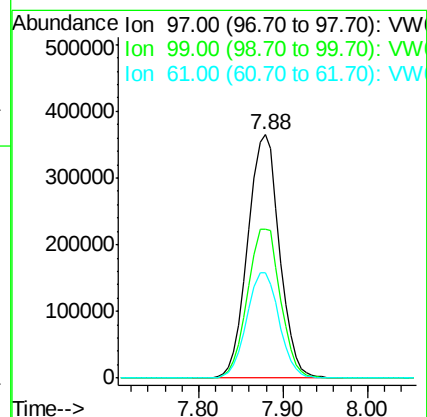
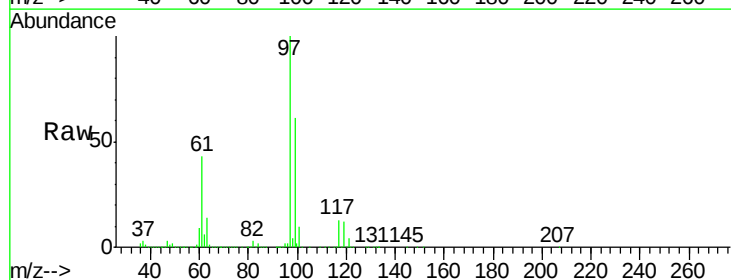
Tgt Ion: 97 Resp: 927615

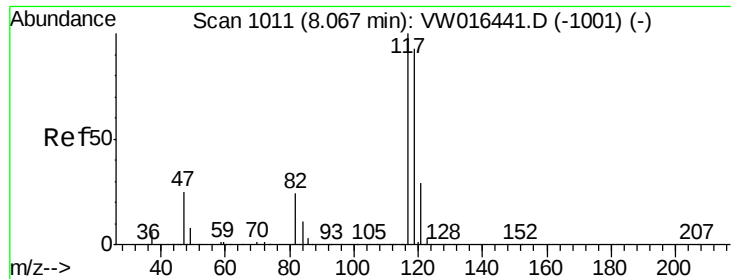
Ion Ratio Lower Upper

97 100

99 63.9 52.2 78.2

61 44.2 36.3 54.5





#32

Carbon tetrachloride

Concen: 46.699 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

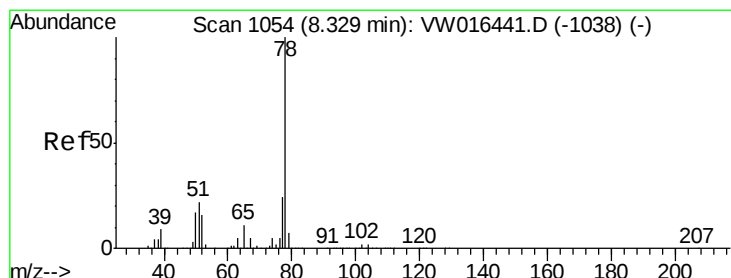
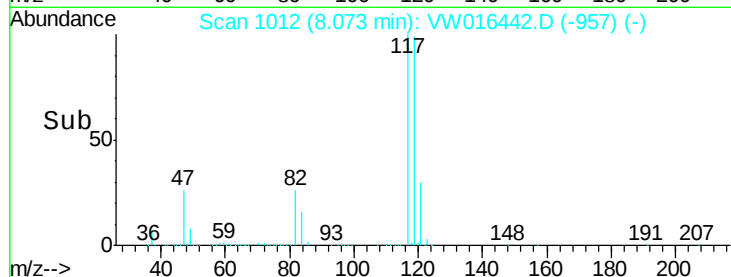
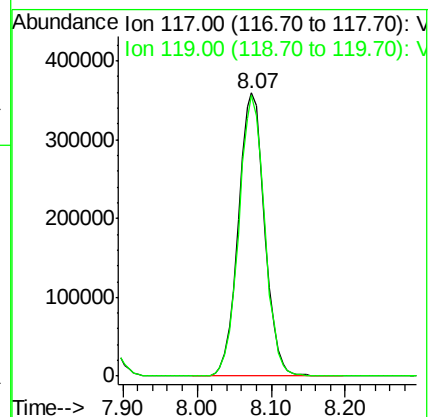
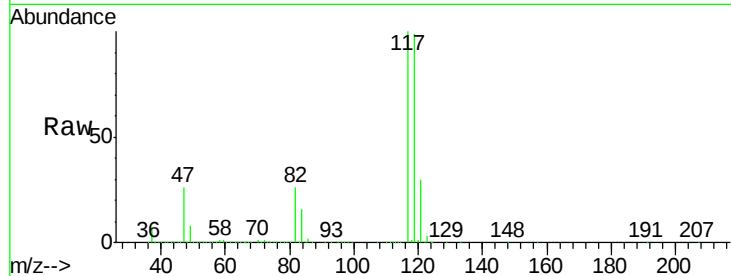
VSTD05006

Tgt Ion:117 Resp: 887648

Ion Ratio Lower Upper

117 100

119 97.4 77.8 116.6



#34

Benzene

Concen: 48.184 ug/L

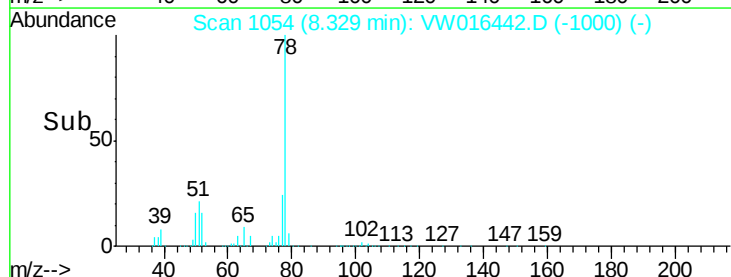
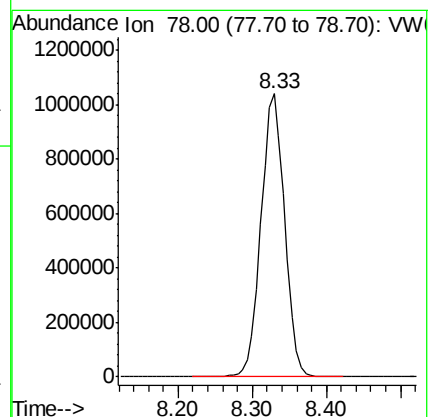
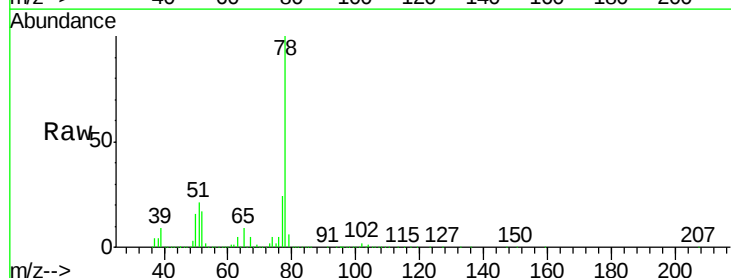
RT: 8.33 min Scan# 1054

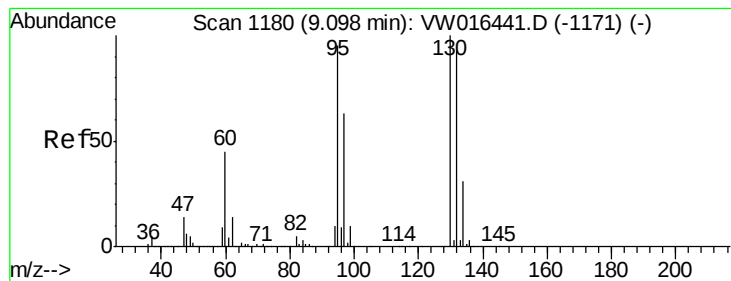
Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Tgt Ion: 78 Resp: 2316000





#35

Trichloroethene

Concen: 47.347 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 95 Resp: 643165

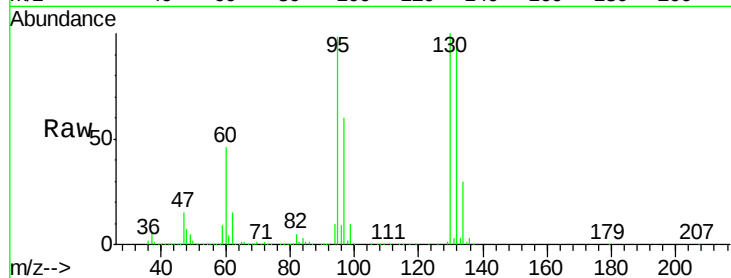
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.5

132 98.9 69.2 128.4

130 105.6 72.0 133.6

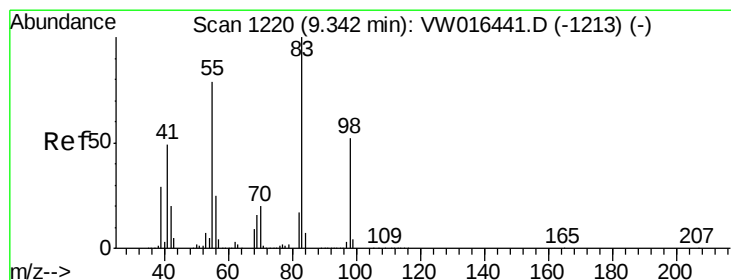
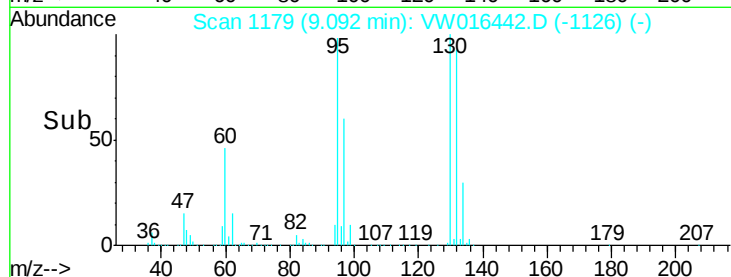
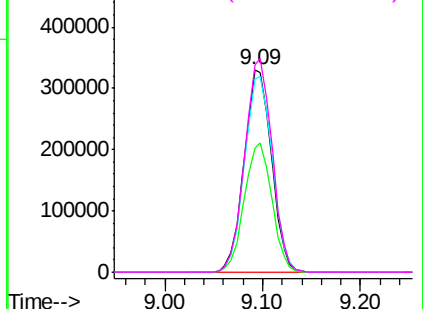


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 50.764 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

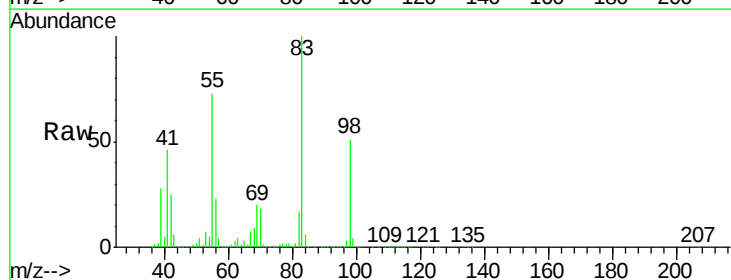
Tgt Ion: 83 Resp: 1136082

Ion Ratio Lower Upper

83 100

55 75.1 60.9 91.3

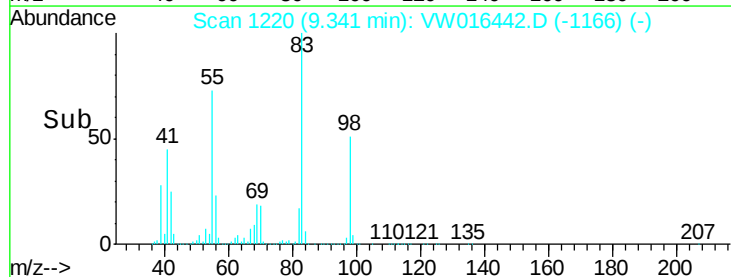
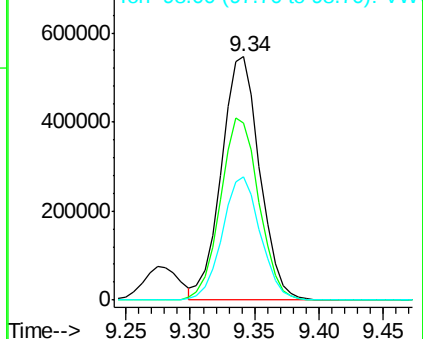
98 50.3 40.0 60.0

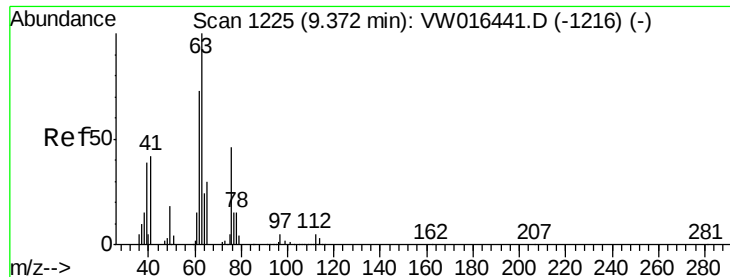


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

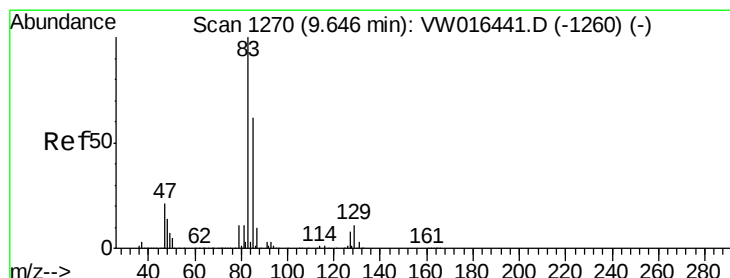
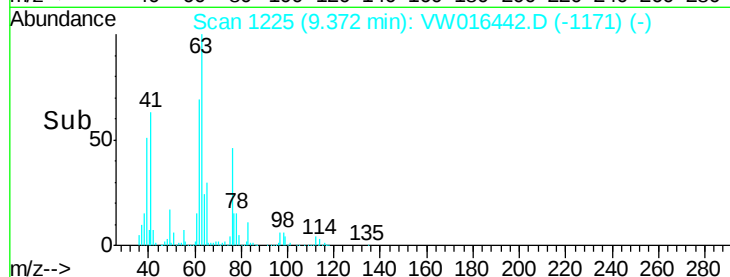
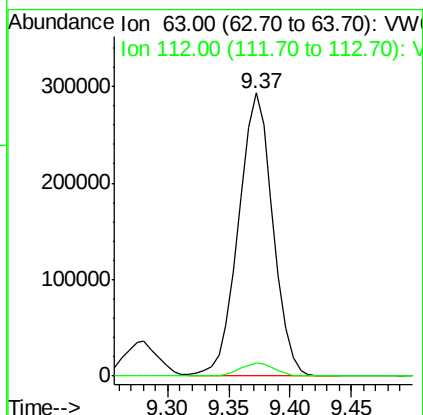
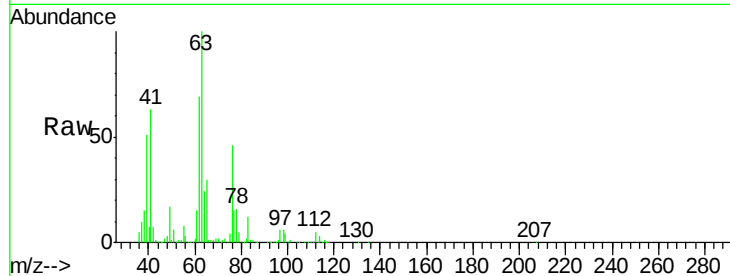




#40
 1,2-Dichloropropane
 Concen: 50.013 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

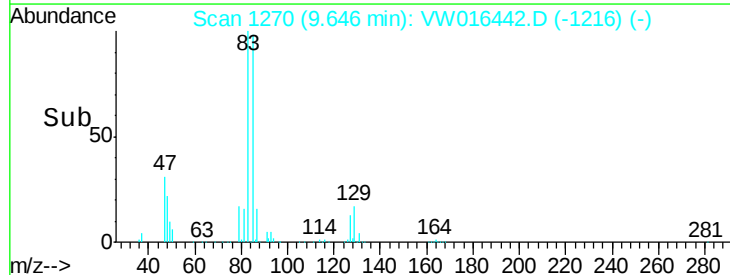
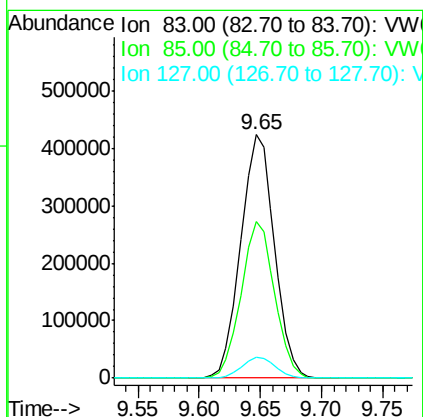
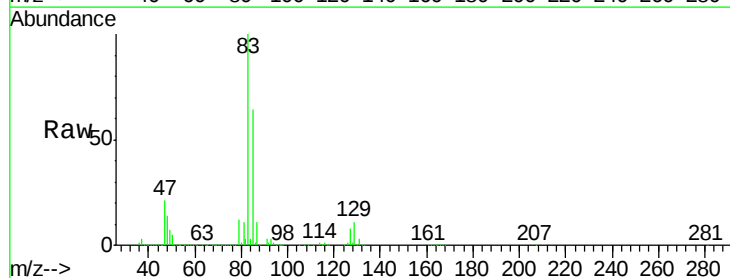
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

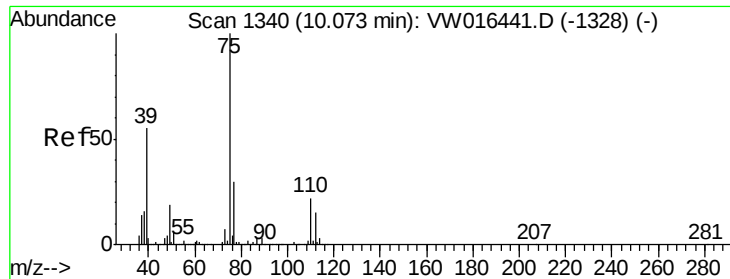
Tgt Ion: 63 Resp: 570516
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 50.438 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Tgt Ion: 83 Resp: 808117
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.5 80.7
 127 8.4 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 53.104 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

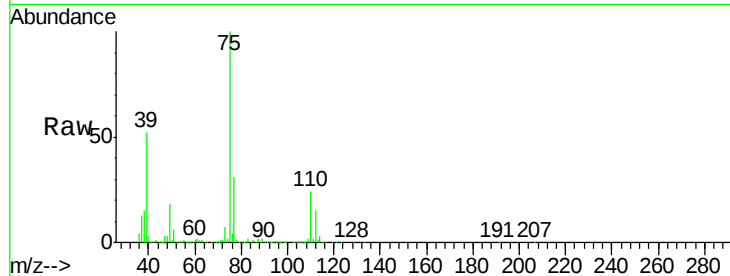
VSTD05006

Tgt Ion: 75 Resp: 990987

Ion Ratio Lower Upper

75 100

77 30.7 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

500000

400000

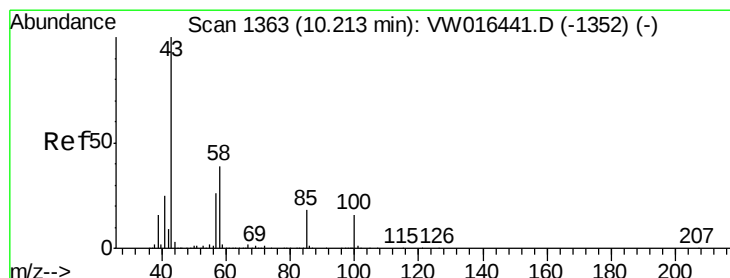
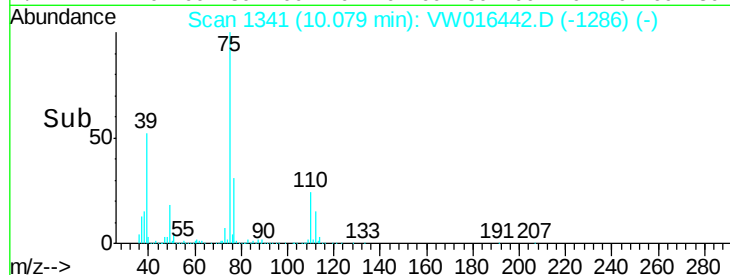
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 111.036 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

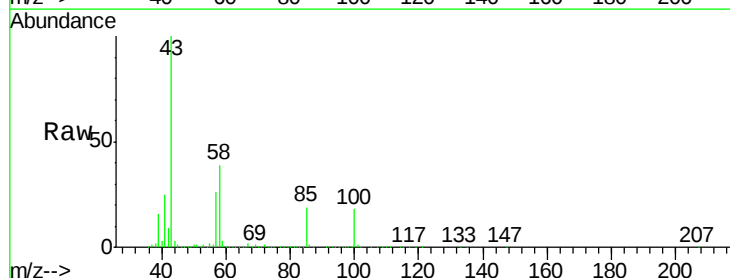
Tgt Ion: 43 Resp: 781546

Ion Ratio Lower Upper

43 100

58 38.7 30.6 45.8

100 16.9 13.0 19.6



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

1000000

800000

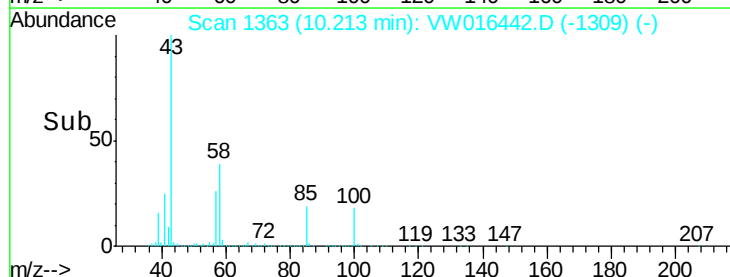
600000

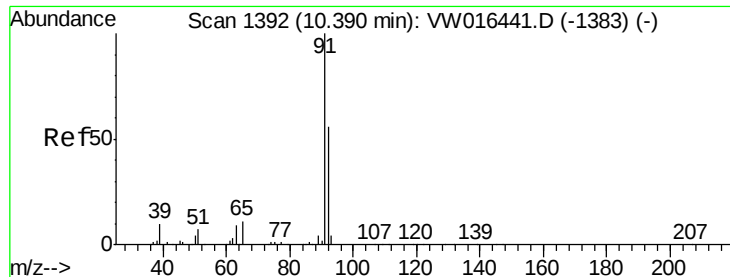
400000

200000

0

Time-->





#44

Toluene

Concen: 48.898 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

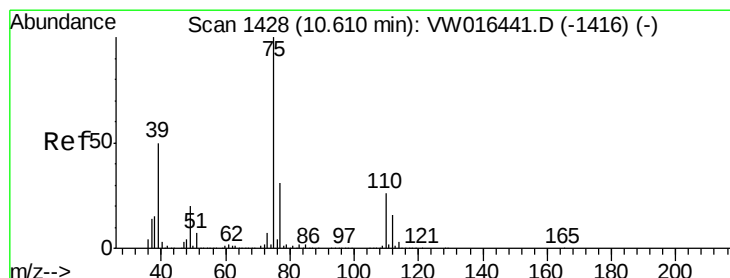
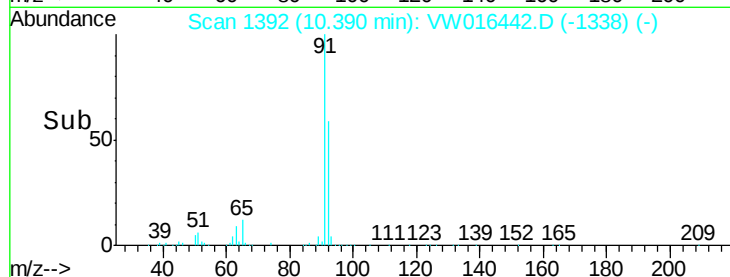
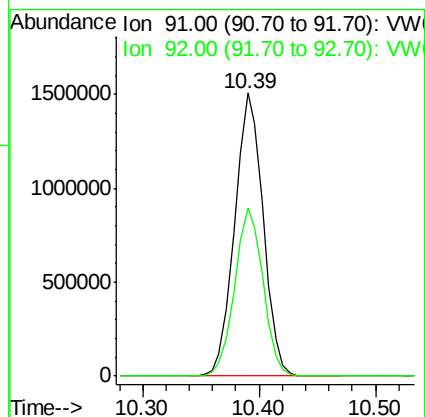
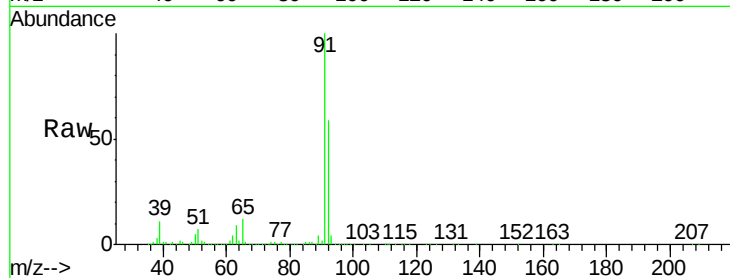
VSTD05006

Tgt Ion: 91 Resp: 2569430

Ion Ratio Lower Upper

91 100

92 59.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 52.855 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016442.D

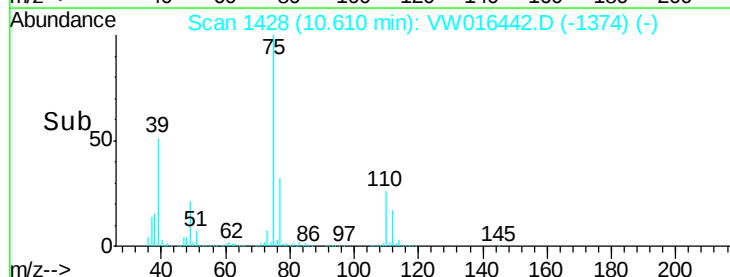
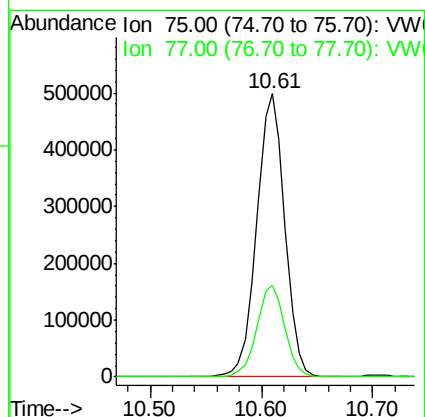
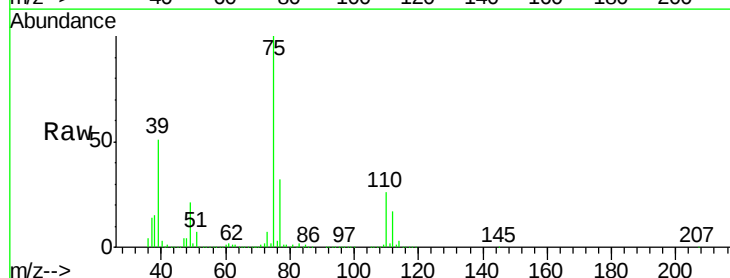
Acq: 03 Sep 2020 12:46

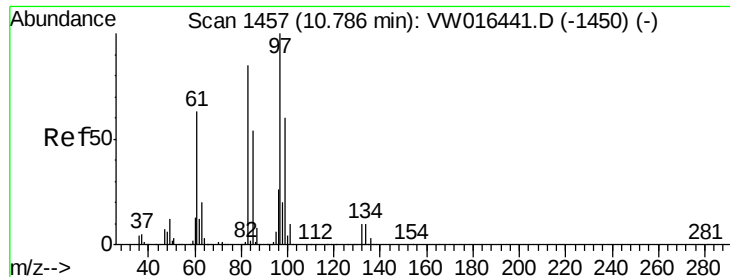
Tgt Ion: 75 Resp: 874673

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 48.504 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 97 Resp: 451081

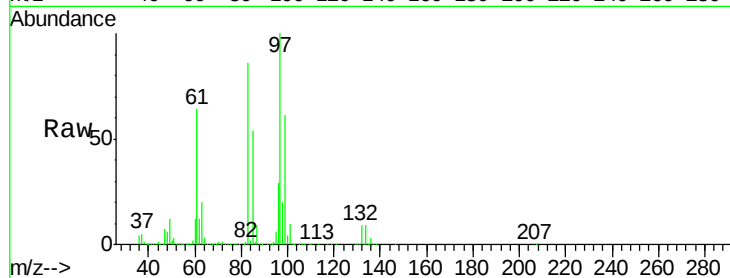
Ion Ratio Lower Upper

97 100

83 85.6 59.7 110.9

85 54.4 37.6 69.8

99 61.3 42.3 78.5

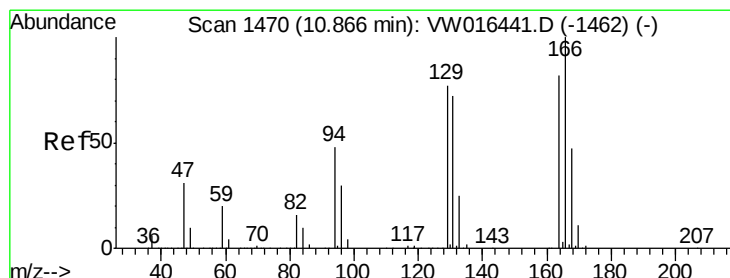
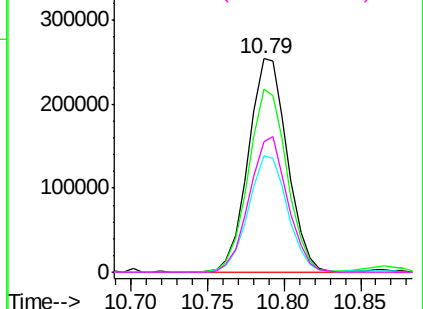
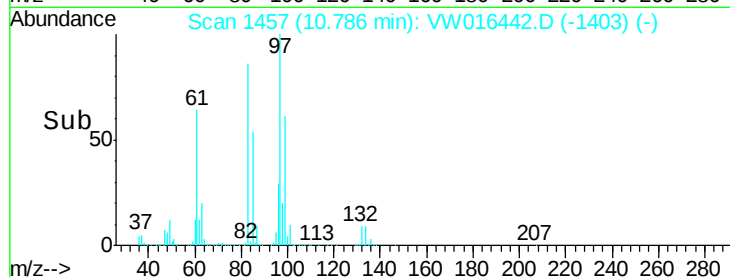


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 48.608 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Tgt Ion: 164 Resp: 520721

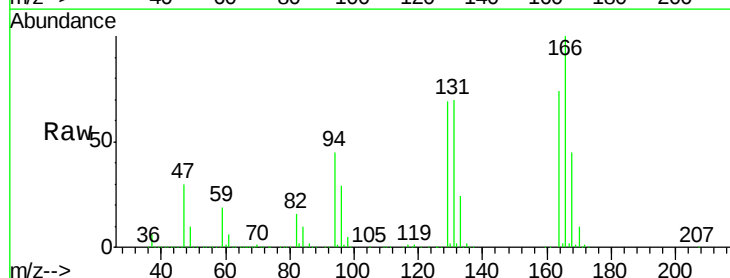
Ion Ratio Lower Upper

164 100

129 93.0 65.7 121.9

131 94.2 61.1 113.5

166 134.6 85.0 157.8

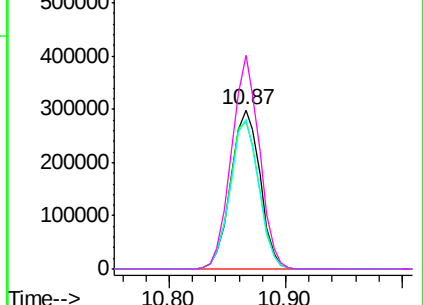
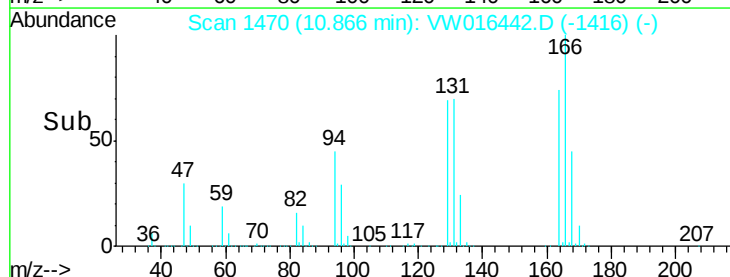


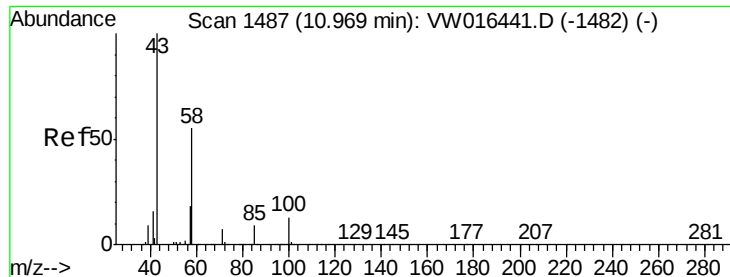
Abundance Ion 164.00 (163.70 to 164.70): V

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: 118.761 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 43 Resp: 546231

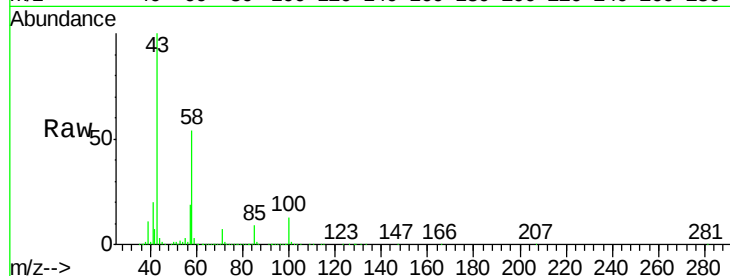
Ion Ratio Lower Upper

43 100

58 53.7 42.1 63.1

57 18.7 14.9 22.3

100 12.8 10.3 15.5

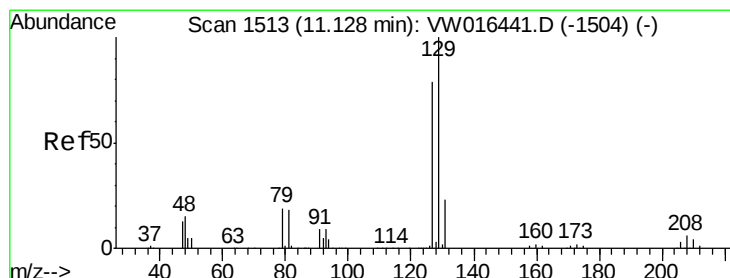
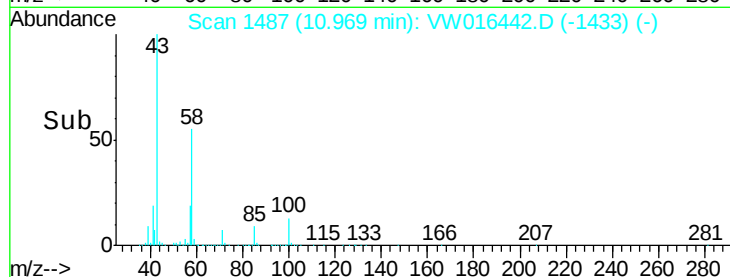
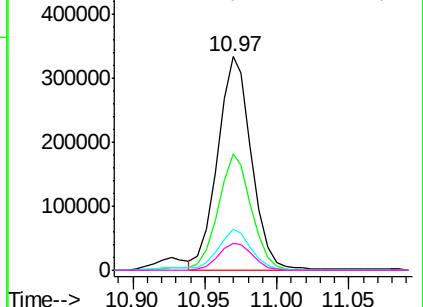


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 49.859 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016442.D

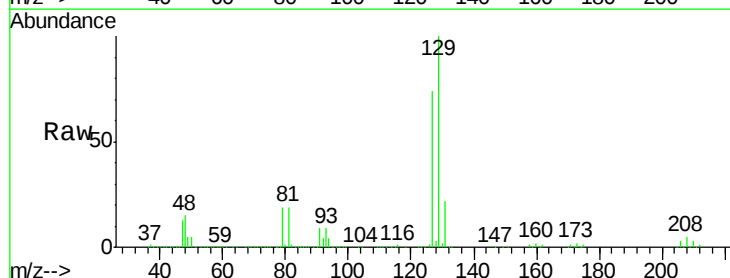
Acq: 03 Sep 2020 12:46

Tgt Ion: 129 Resp: 578876

Ion Ratio Lower Upper

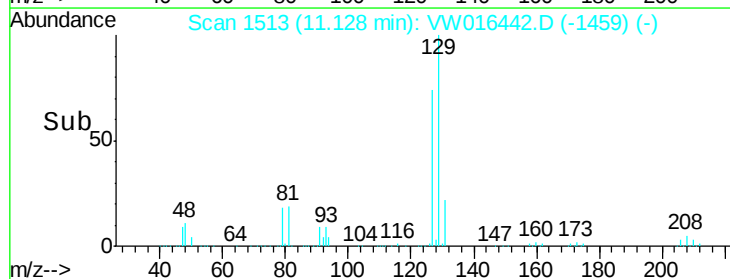
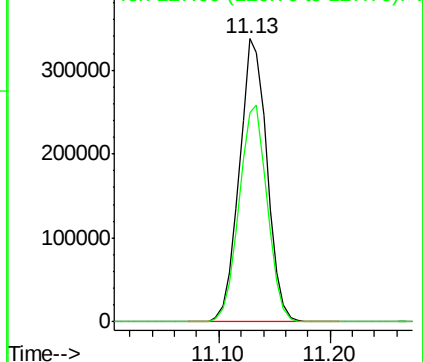
129 100

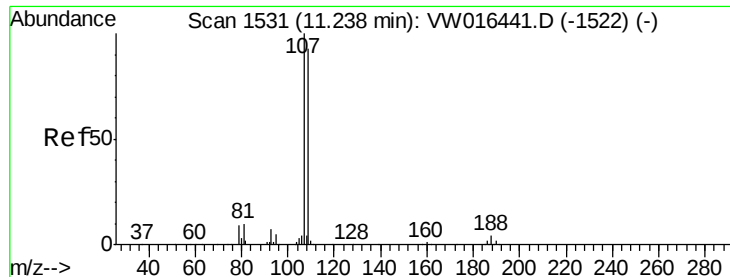
127 73.8 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

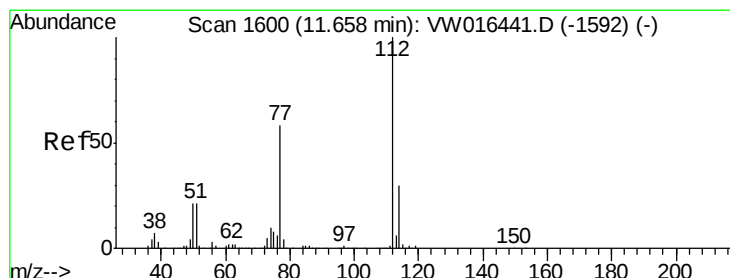
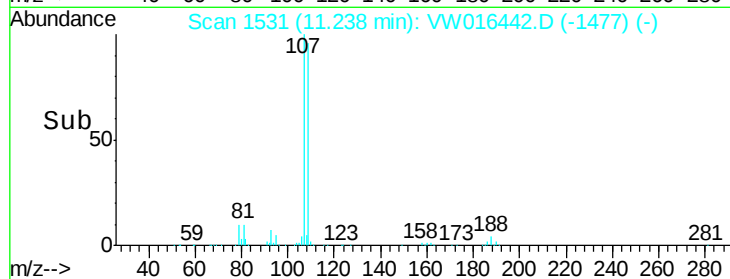
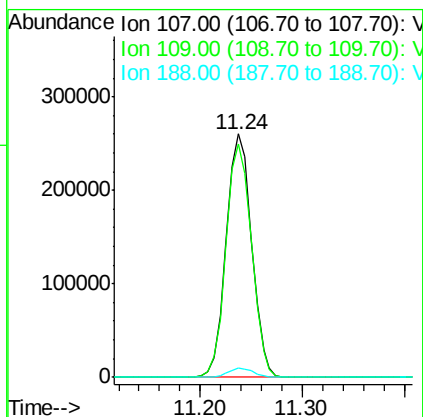
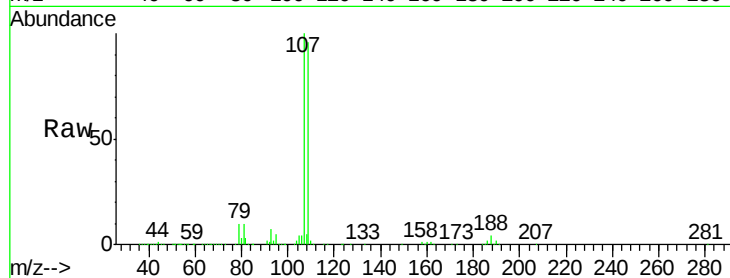




#51
1,2-Dibromoethane
Concen: 49.153 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

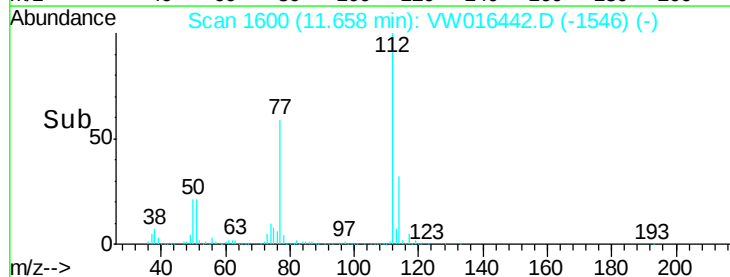
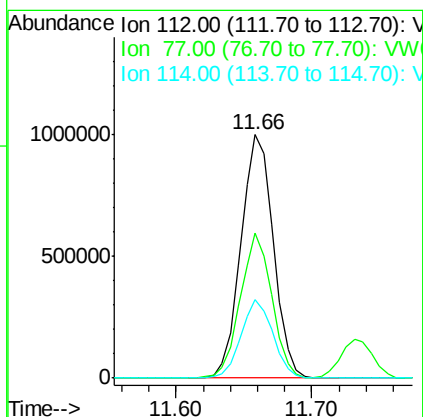
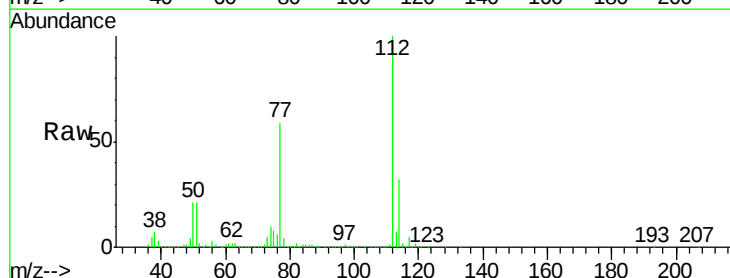
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

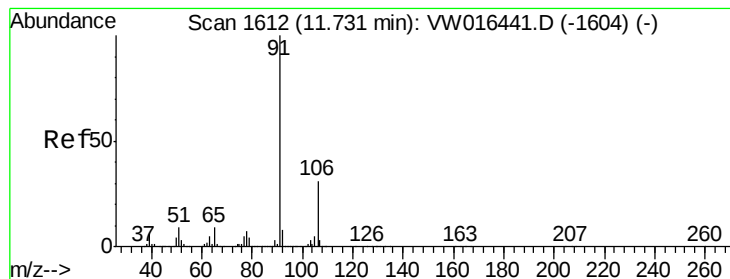
Tgt Ion:107 Resp: 449299
Ion Ratio Lower Upper
107 100
109 95.8 64.8 120.4
188 4.0 3.4 5.0



#52
Chlorobenzene
Concen: 47.782 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

Tgt Ion:112 Resp: 1662113
Ion Ratio Lower Upper
112 100
77 59.4 46.2 69.2
114 32.3 21.1 39.3





#53

Ethylbenzene

Concen: 48.984 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

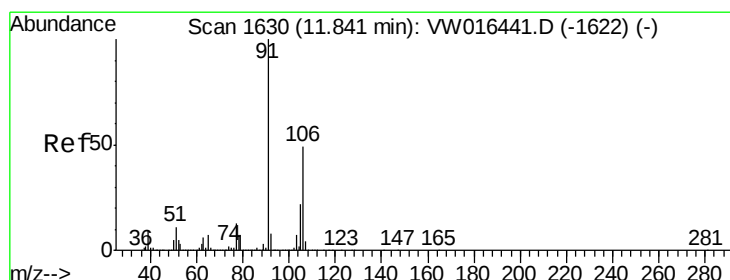
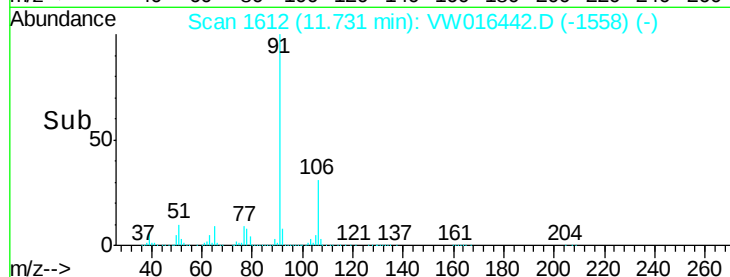
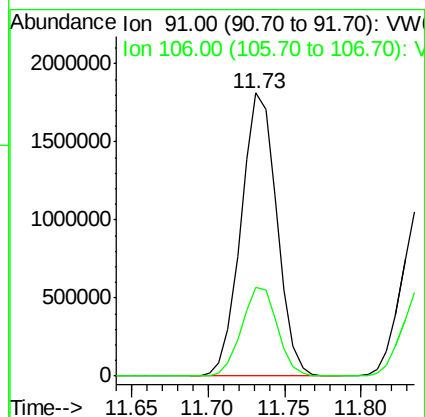
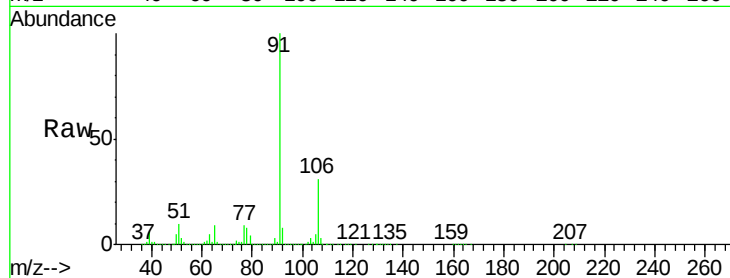
VSTD05006

Tgt Ion: 91 Resp: 2942618

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.2



#54

m,p-Xylene

Concen: 49.731 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016442.D

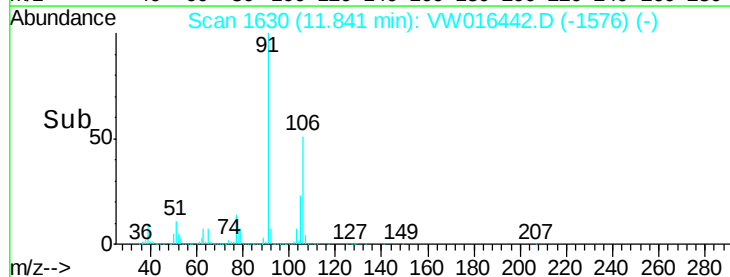
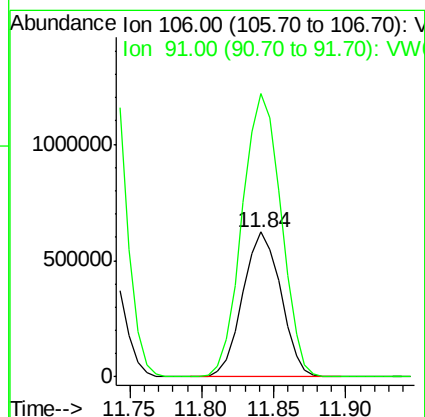
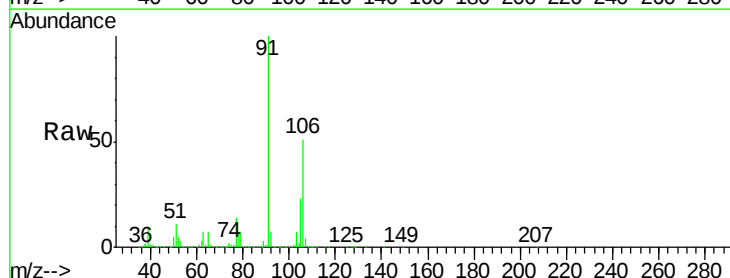
Acq: 03 Sep 2020 12:46

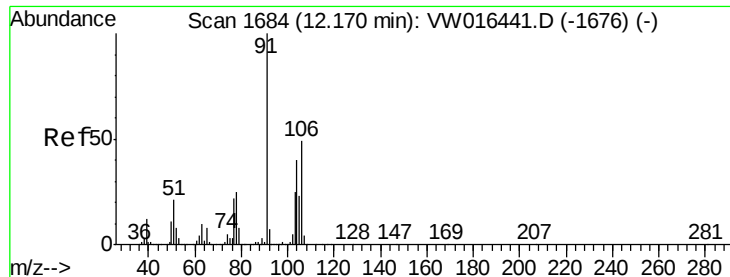
Tgt Ion: 106 Resp: 1144209

Ion Ratio Lower Upper

106 100

91 195.1 142.3 264.3

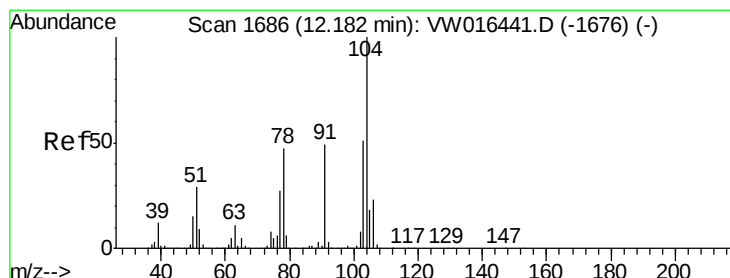
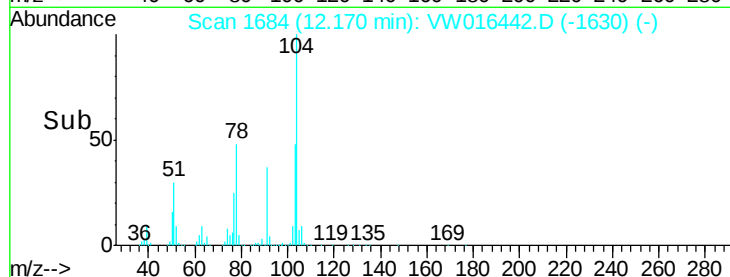
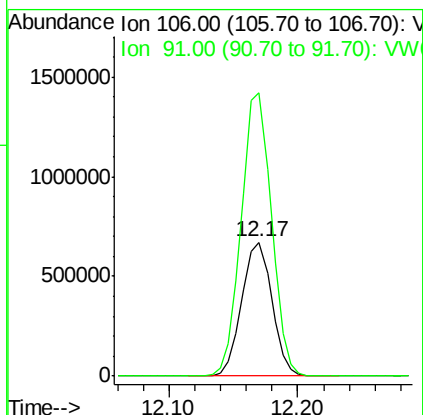
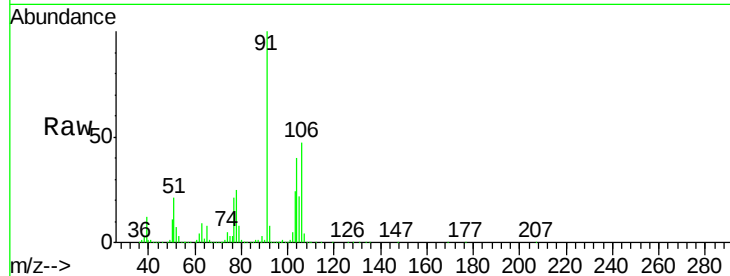




#55
o-xylene
Concen: 50.040 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

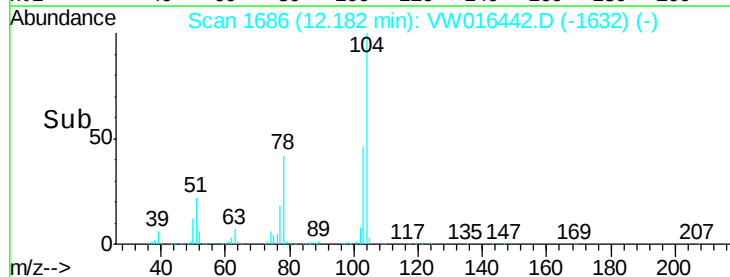
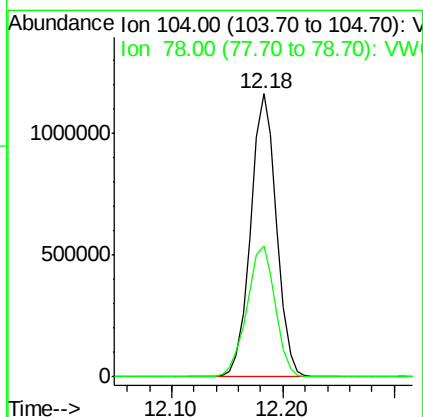
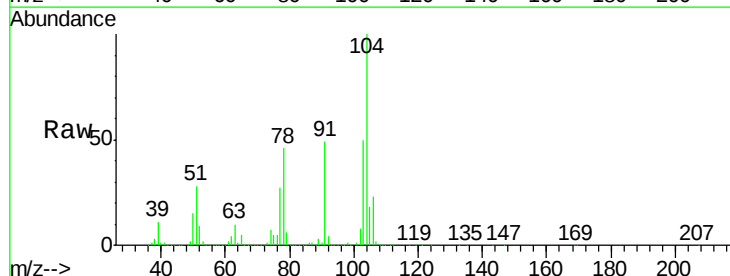
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

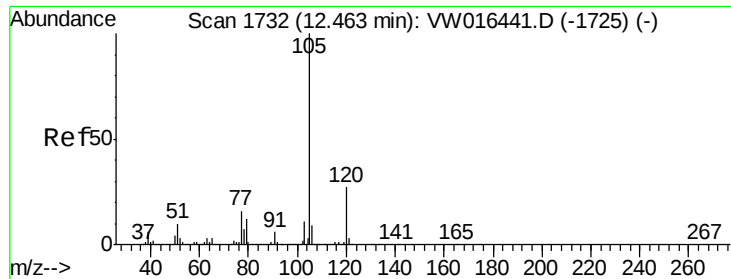
Tgt Ion:106 Resp: 1085587
Ion Ratio Lower Upper
106 100
91 210.9 144.3 267.9



#56
Styrene
Concen: 51.263 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016442.D
Acq: 03 Sep 2020 12:46

Tgt Ion:104 Resp: 1869355
Ion Ratio Lower Upper
104 100
78 46.2 32.8 61.0





#57

Isopropylbenzene

Concen: 49.342 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

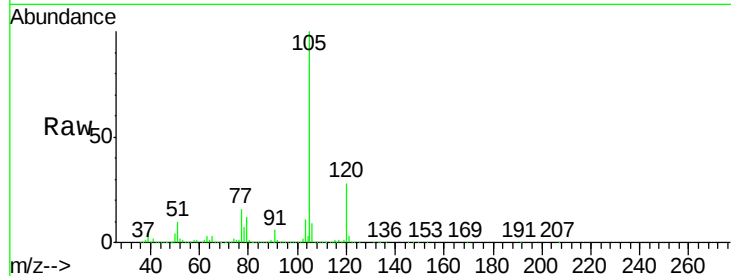
Tgt Ion: 105 Resp: 2963078

Ion Ratio Lower Upper

105 100

120 26.6 21.9 32.9

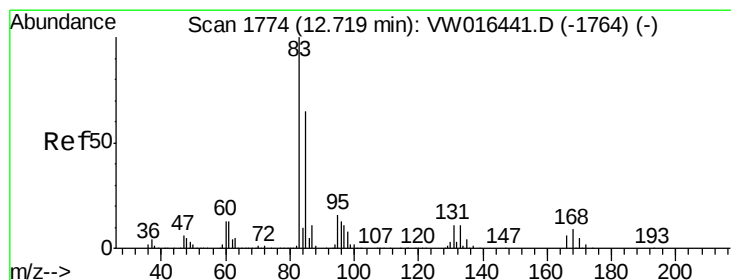
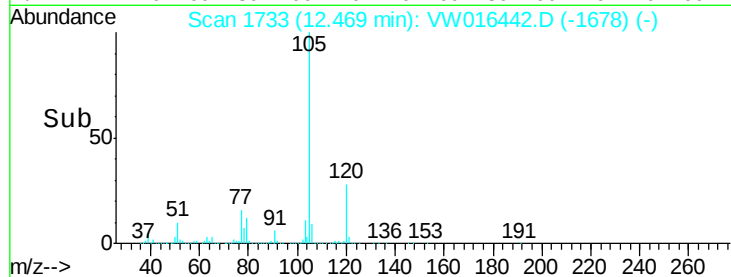
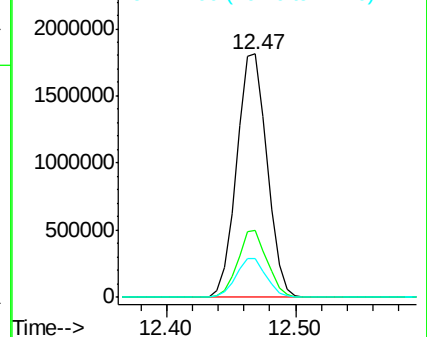
77 15.9 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.512 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

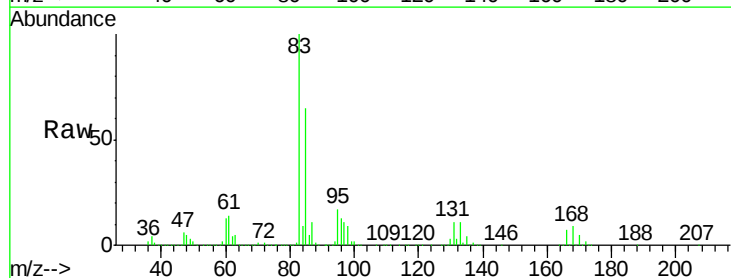
Tgt Ion: 83 Resp: 537179

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

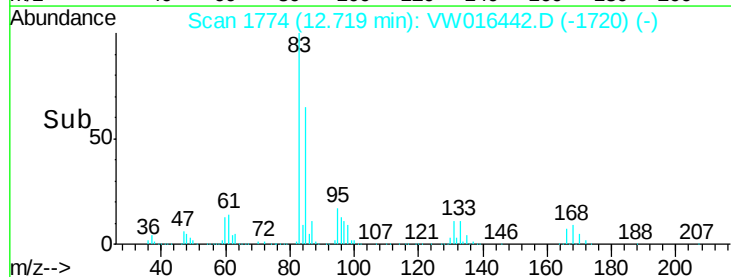
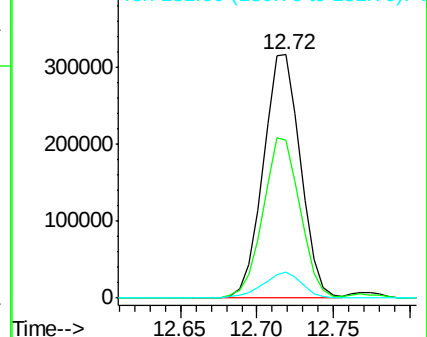
131 10.7 8.7 13.1

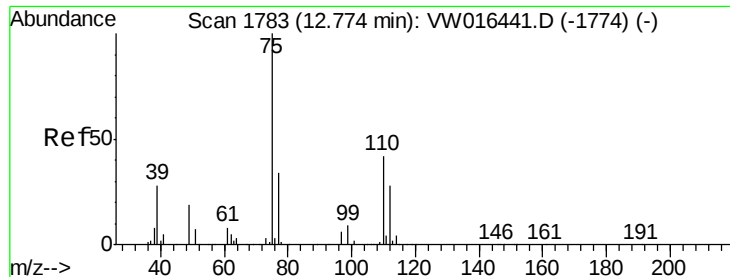


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

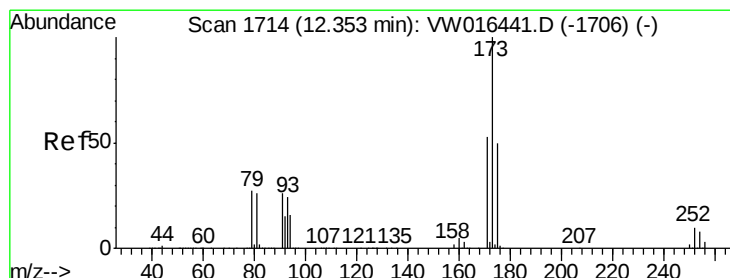
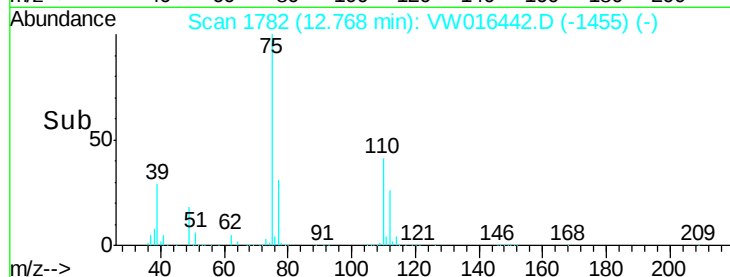
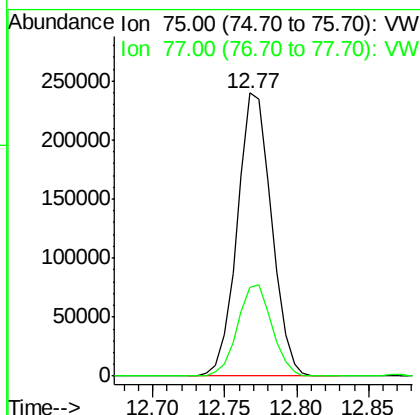
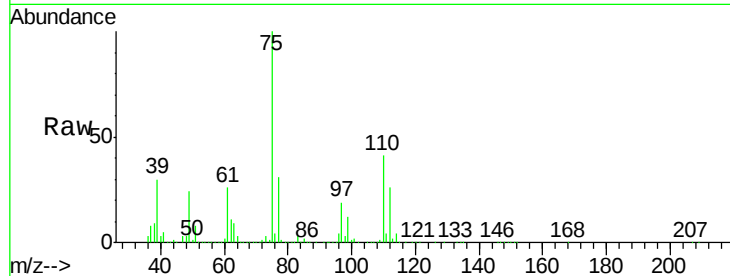




#59
 1,2,3-Trichloropropane
 Concen: 49.136 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

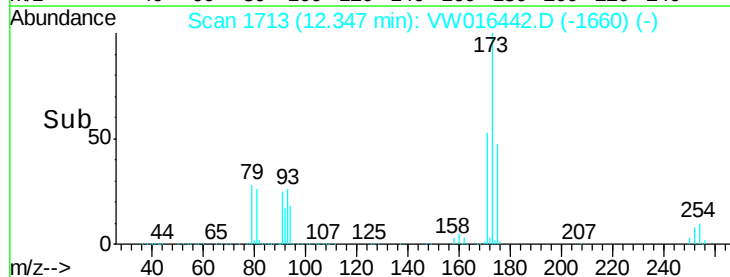
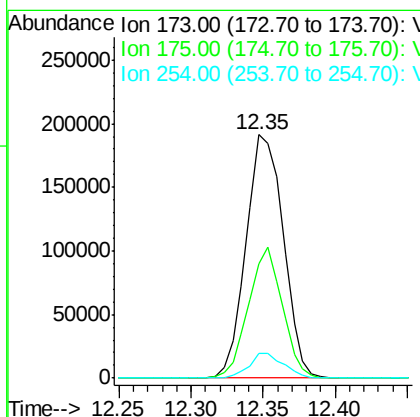
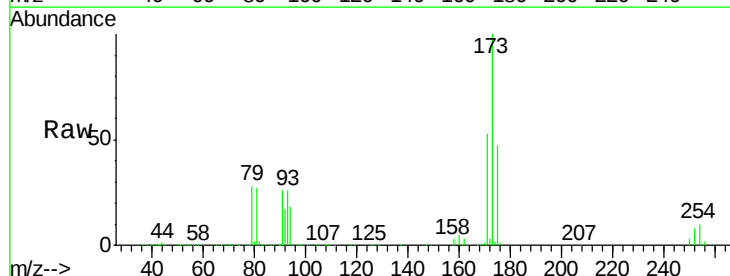
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

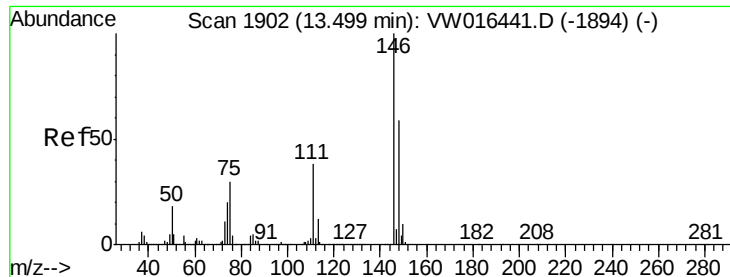
Tgt Ion: 75 Resp: 395181
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0



#62
 Bromoform
 Concen: 51.582 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Tgt Ion: 173 Resp: 343003
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.2 58.8
 254 9.3 5.8 8.6#





#63

1,3-Dichlorobenzene

Concen: 48.701 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

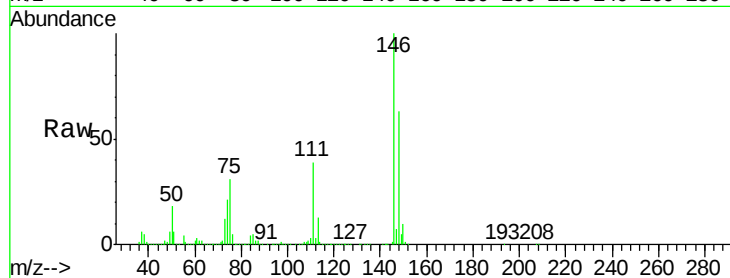
Tgt Ion:146 Resp: 1315163

Ion Ratio Lower Upper

146 100

111 39.3 26.5 49.3

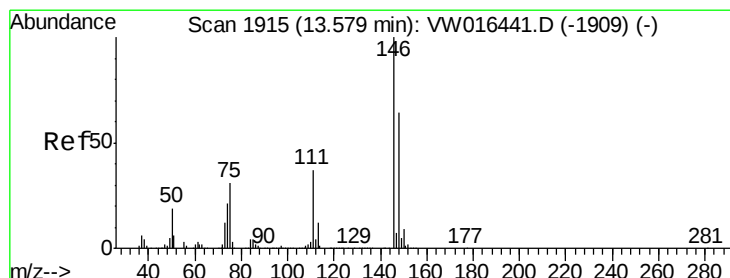
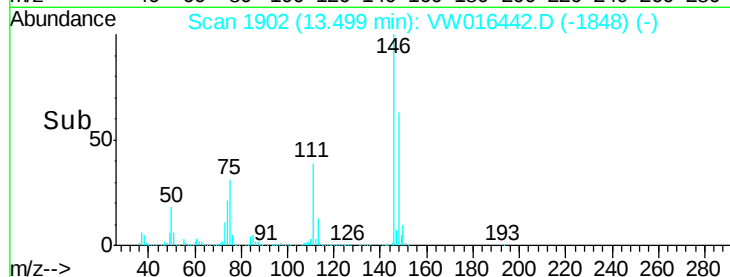
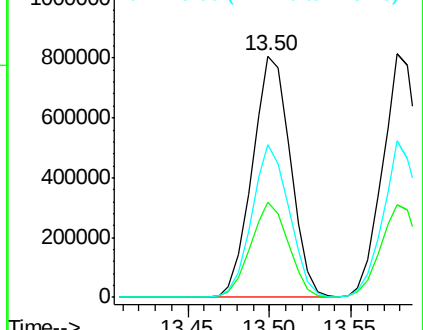
148 63.3 41.3 76.7



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



#64

1,4-Dichlorobenzene

Concen: 46.731 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

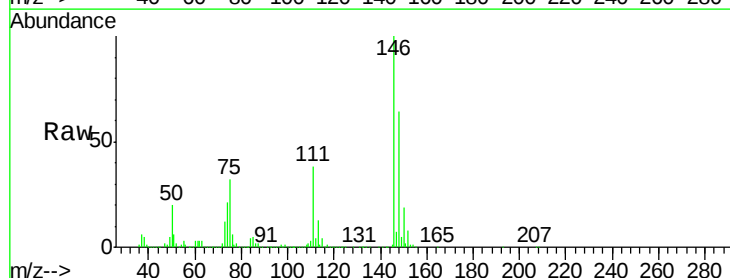
Tgt Ion:146 Resp: 1279103

Ion Ratio Lower Upper

146 100

111 37.8 26.4 49.0

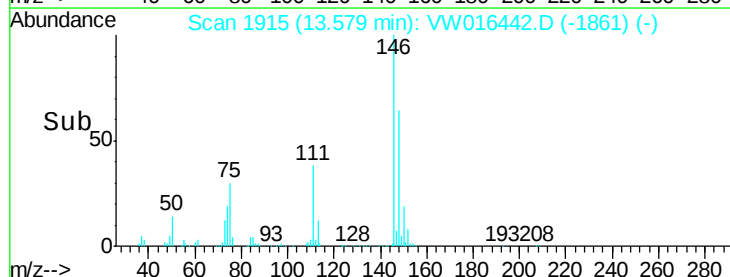
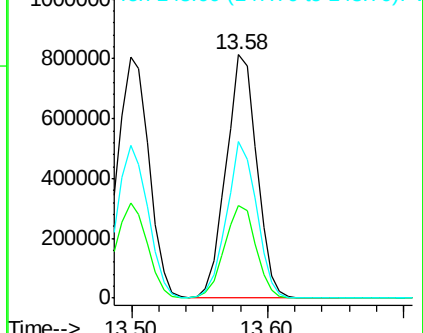
148 64.5 45.1 83.9

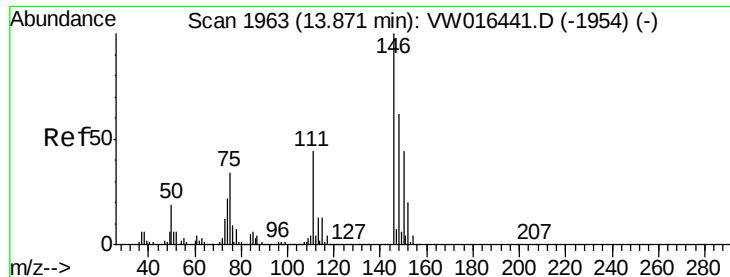


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

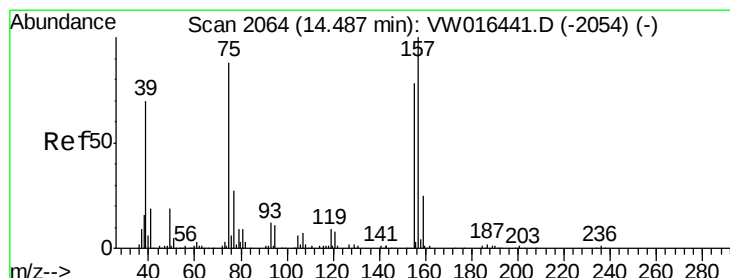
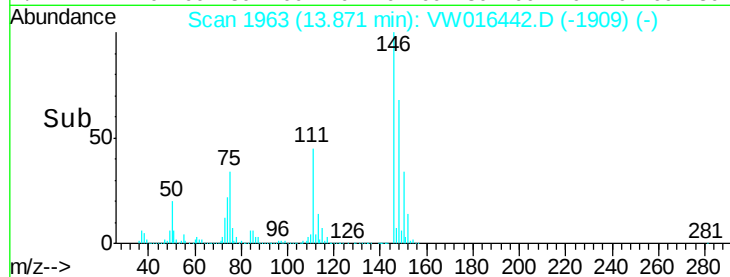
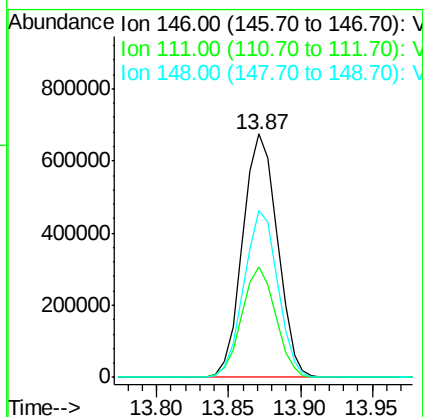
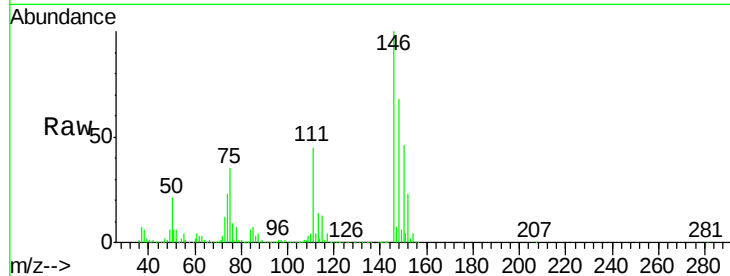




#65
 1,2-Dichlorobenzene
 Concen: 46.583 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

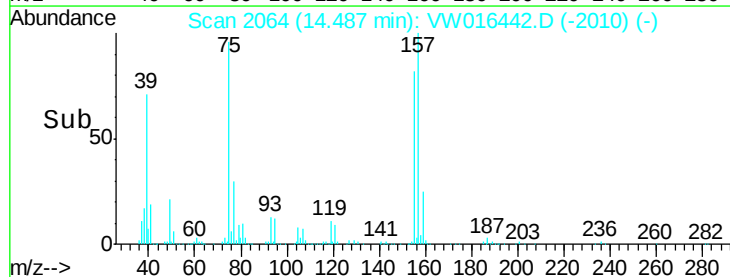
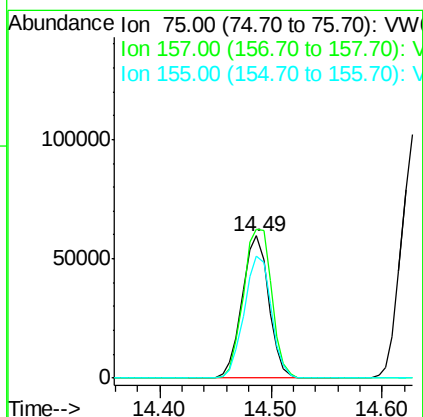
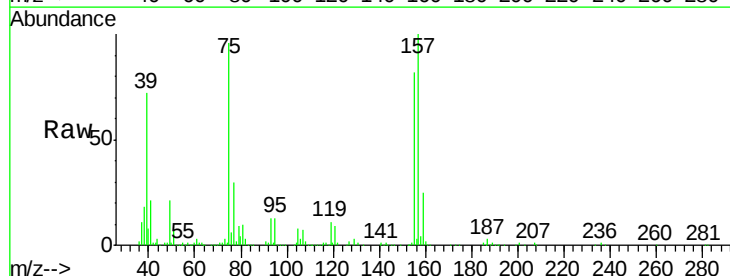
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

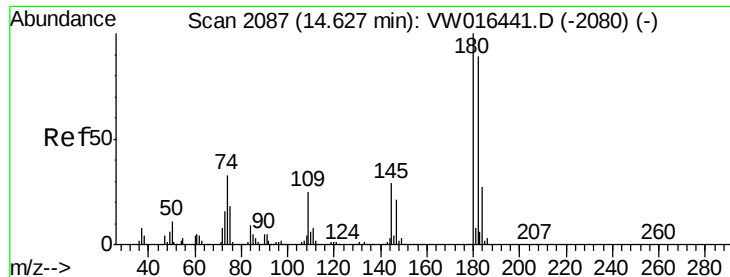
Tgt Ion:146 Resp: 1125352
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.3 52.9
 148 68.3 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.620 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Tgt Ion: 75 Resp: 99695
 Ion Ratio Lower Upper
 75 100
 157 104.6 91.4 137.0
 155 85.6 71.3 106.9

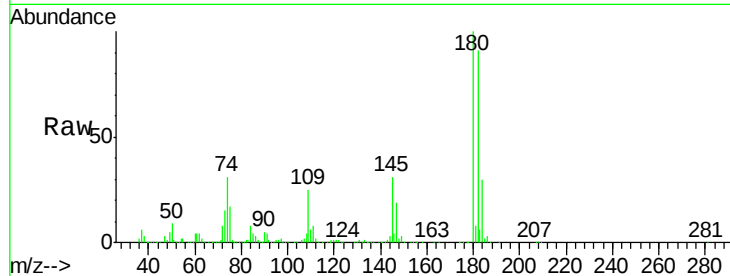




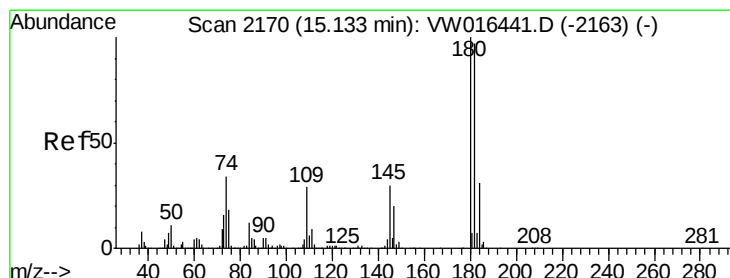
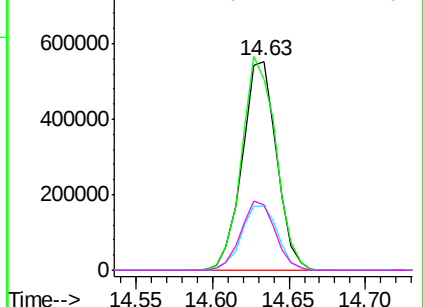
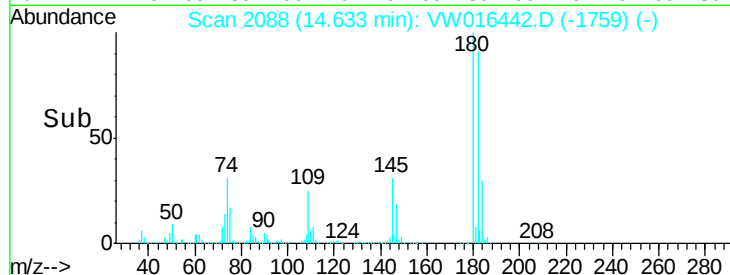
#67
 1,3,5-Trichlorobenzene
 Concen: 46.258 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tgt Ion:180 Resp: 862405
 Ion Ratio Lower Upper
 180 100
 182 101.8 75.8 113.8
 184 32.5 24.2 36.2
 145 33.1 24.6 36.8

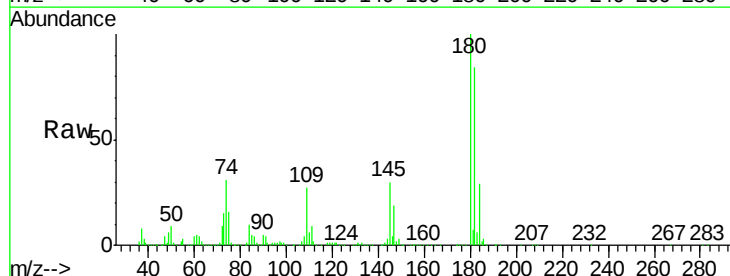


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

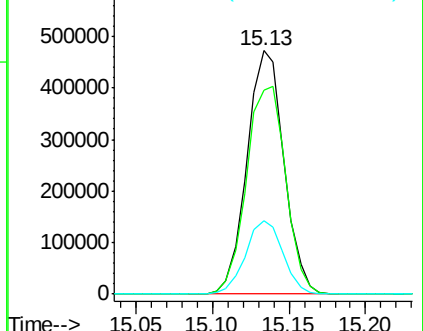
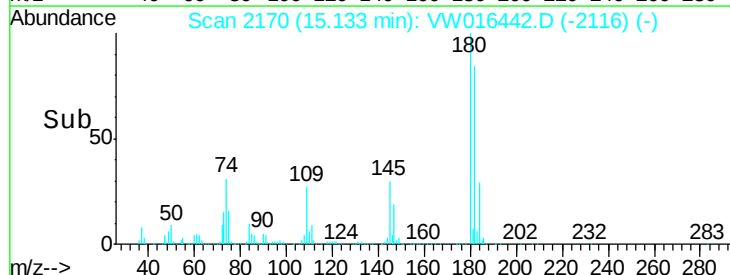


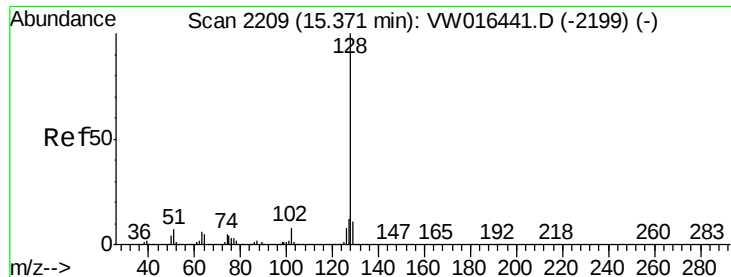
#68
 1,2,4-trichlorobenzene
 Concen: 53.932 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016442.D
 Acq: 03 Sep 2020 12:46

Tgt Ion:180 Resp: 794181
 Ion Ratio Lower Upper
 180 100
 182 90.5 78.5 117.7
 145 30.5 25.6 38.4



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: 56.826 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

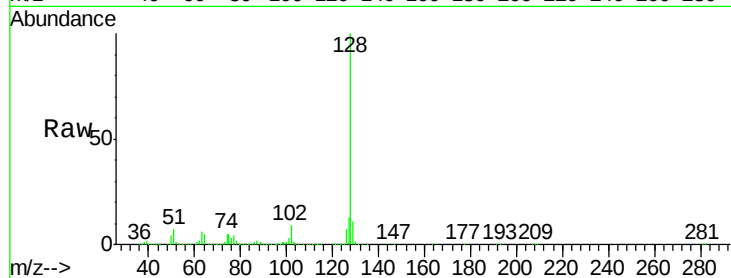
Tgt Ion:128 Resp: 1667643

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

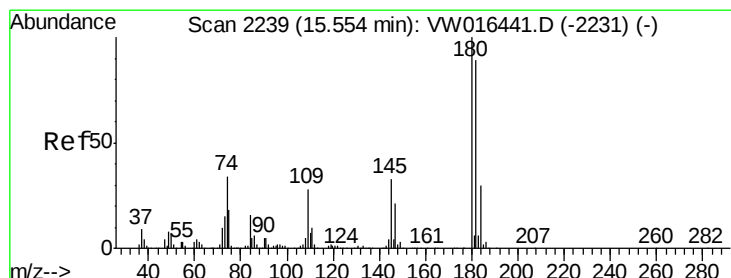
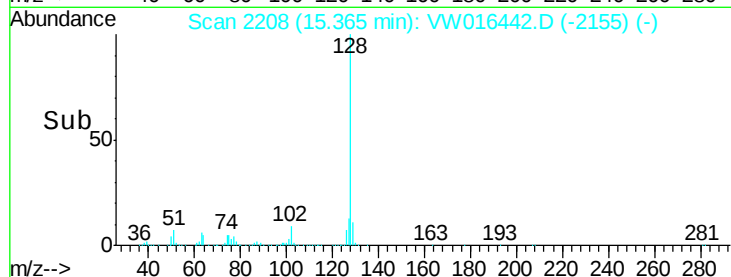
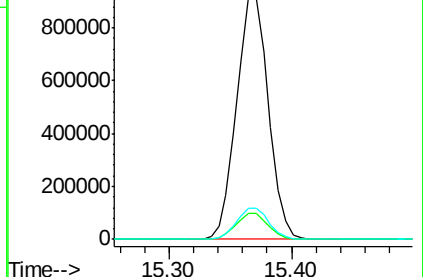
127 12.8 10.5 15.7



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: 52.210 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016442.D

Acq: 03 Sep 2020 12:46

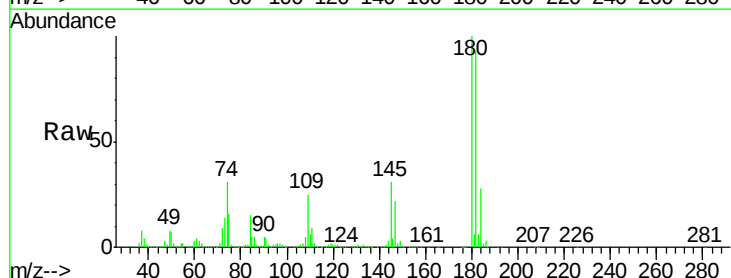
Tgt Ion:180 Resp: 675522

Ion Ratio Lower Upper

180 100

182 94.7 76.1 114.1

145 33.7 28.1 42.1



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

