

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
 Data File : VW016441.D
 Acq On : 03 Sep 2020 12:22
 Operator : SY/VA
 Sample : VSTD02505
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Quant Time: Sep 03 13:34:11 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	886597	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	793125	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	388377	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	235330	24.57	ug/L	0.00
7) Chloroethane-d5	2.89	69	220267	29.14	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	550253	24.40	ug/L	0.00
20) 2-Butanone-d5	7.09	46	171685	60.83	ug/L	0.00
24) Chloroform-d	7.65	84	559056	24.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	297975	25.19	ug/L	0.00
29) Benzene-d6	8.28	84	1083222	24.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	320244	26.01	ug/L	0.00
37) Toluene-d8	10.33	98	1013669	24.51	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	162344	27.25	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	134881	64.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	273056	26.80	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	346716	23.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	250176	25.163	ug/L 100
3) Chloromethane	2.22	50	219700	27.302	ug/L 100
5) Vinyl chloride	2.37	62	287063	26.742	ug/L 100
6) Bromomethane	2.79	94	210736	29.348	ug/L 100
8) Chloroethane	2.93	64	178694	29.301	ug/L 100
9) Trichlorofluoromethane	3.26	101	233703	21.333	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	277864	22.947	ug/L 100
12) 1,1-Dichloroethene	4.05	96	280436	23.768	ug/L 100
13) Acetone	4.15	43	95491	43.743	ug/L 100
14) Carbon disulfide	4.39	76	858179	24.325	ug/L 100
15) Methyl Acetate	4.68	43	128808	27.987	ug/L 100
16) Methylene chloride	4.92	84	289956	17.880	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	424664	24.702	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	294315	23.739	ug/L 100
19) 1,1-Dichloroethane	6.22	63	500820	24.435	ug/L 100
21) 2-Butanone	7.18	43	172962	53.192	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	312529	24.021	ug/L 100
23) Bromochloromethane	7.52	128	141628	23.824	ug/L 100
25) Chloroform	7.68	83	517950	23.715	ug/L 100
27) 1,2-Dichloroethane	8.40	62	348782	25.178	ug/L 100
30) Cyclohexane	7.96	56	486482	27.455	ug/L 100
31) 1,1,1-Trichloroethane	7.88	97	439301	23.202	ug/L 100
32) Carbon tetrachloride	8.07	117	426150	23.572	ug/L 100
34) Benzene	8.33	78	1127819	24.670	ug/L 100
35) Trichloroethene	9.10	95	310939	24.066	ug/L 100
36) Methylcyclohexane	9.34	83	542573	25.490	ug/L 100
40) 1,2-Dichloropropane	9.37	63	277279	25.556	ug/L 100
41) Bromodichloromethane	9.65	83	385203	25.278	ug/L 100
42) cis-1,3-Dichloropropene	10.07	75	466132	26.263	ug/L 100
43) 4-Methyl-2-pentanone	10.21	43	390924	58.394	ug/L 100

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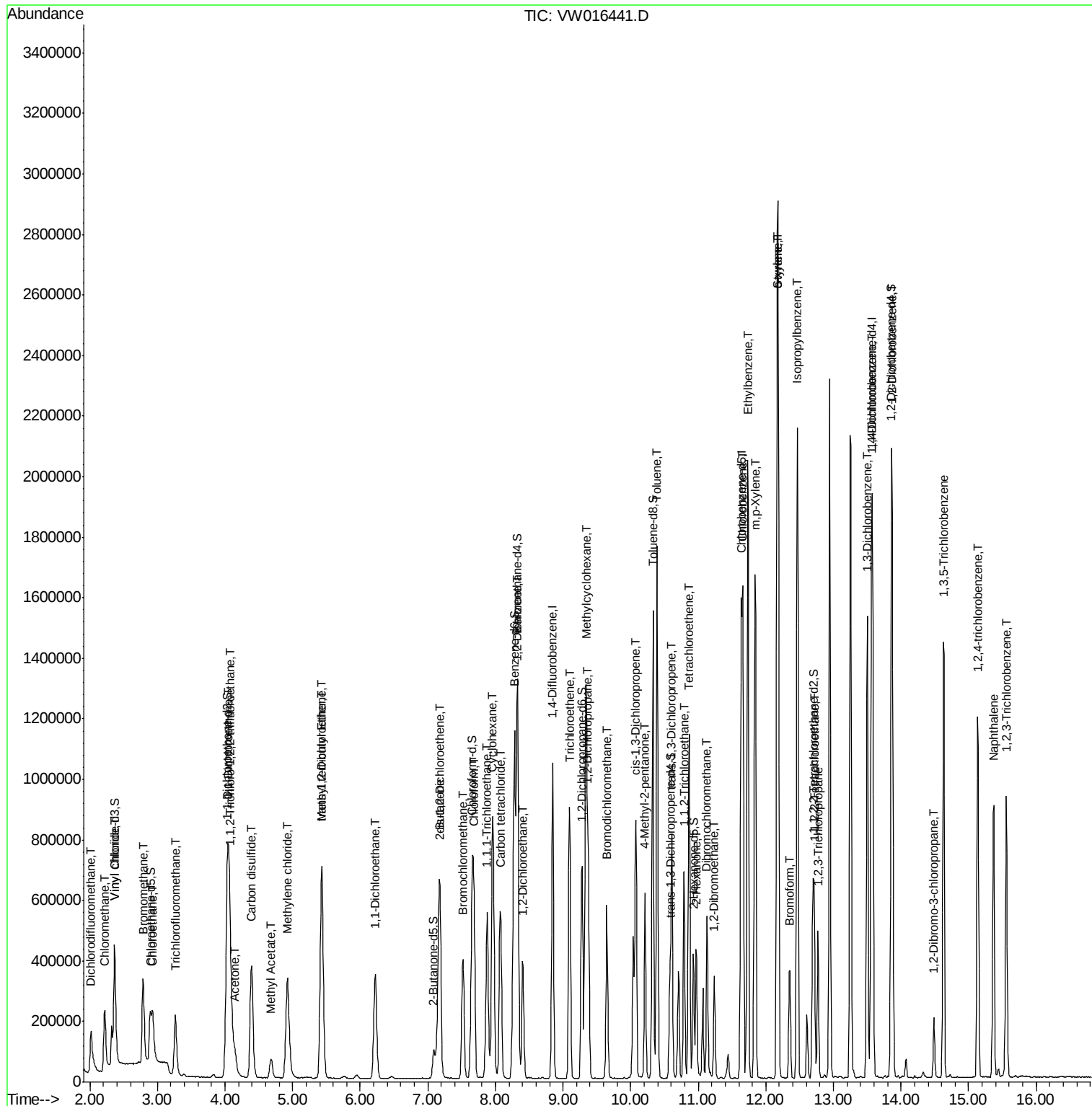
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1268682	25.385	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	425374	27.026	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	219374	24.801	ug/L	100
47) Tetrachloroethene	10.87	164	247456	24.287	ug/L	100
49) 2-Hexanone	10.97	43	268862	61.460	ug/L	100
50) Dibromochloromethane	11.13	129	278676	25.236	ug/L	100
51) 1,2-Dibromoethane	11.24	107	219822	25.284	ug/L	100
52) Chlorobenzene	11.66	112	797302	24.099	ug/L	100
53) Ethylbenzene	11.73	91	1421993	24.888	ug/L	100
54) m,p-Xylene	11.84	106	539109	24.636	ug/L	100
55) o-xylene	12.17	106	516578	25.036	ug/L	100
56) Styrene	12.18	104	888158	25.608	ug/L	100
57) Isopropylbenzene	12.46	105	1394897	24.422	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	259699	25.167	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	193542	25.301	ug/L	100
62) Bromoform	12.35	173	166165	25.899	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	611077	23.453	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	618330	23.413	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	557284	23.909	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	49072	26.334	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	436778	24.282	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	359472	25.301	ug/L	100
69) Naphthalene	15.37	128	795568	28.097	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	311885	24.984	ug/L	100

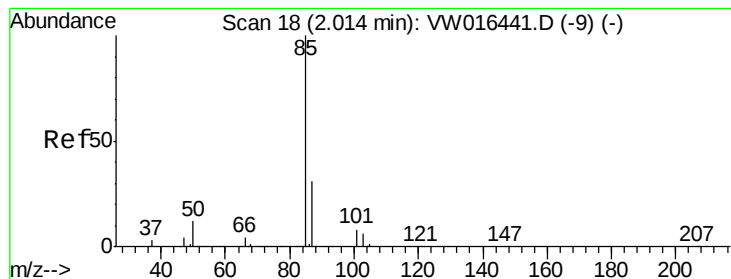
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.163 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

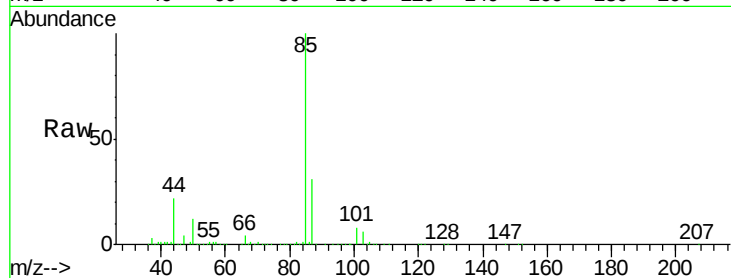
VSTD02505

Tgt Ion: 85 Resp: 250176

Ion Ratio Lower Upper

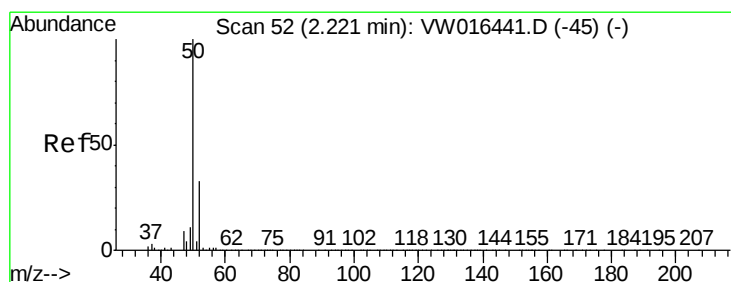
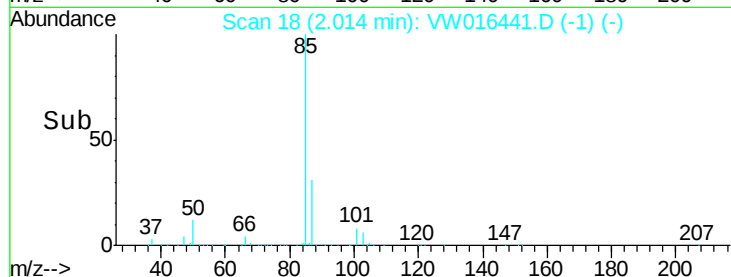
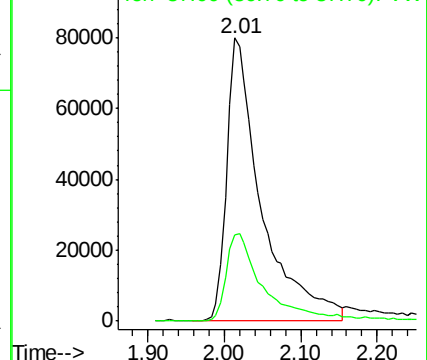
85 100

87 31.9 22.3 41.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.302 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016441.D

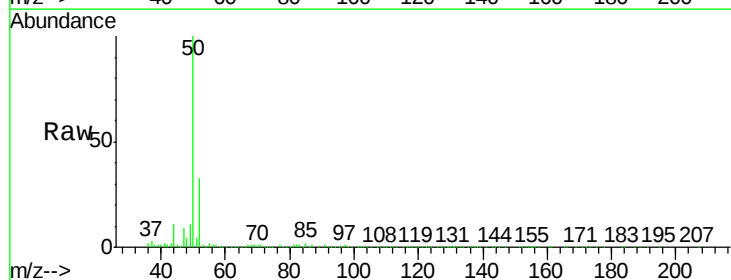
Acq: 03 Sep 2020 12:22

Tgt Ion: 50 Resp: 219700

Ion Ratio Lower Upper

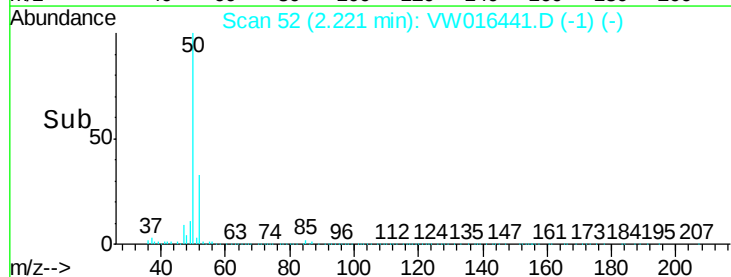
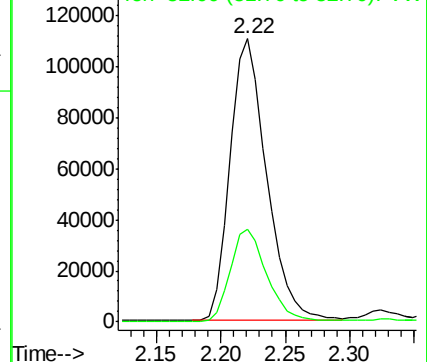
50 100

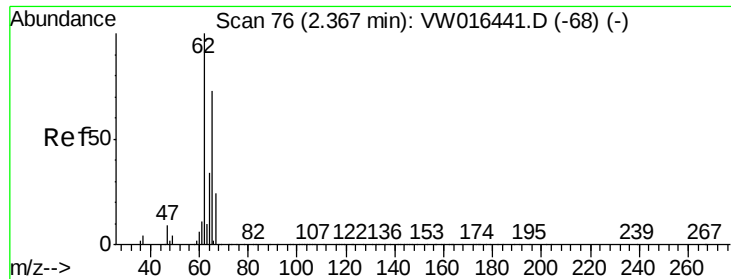
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.742 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

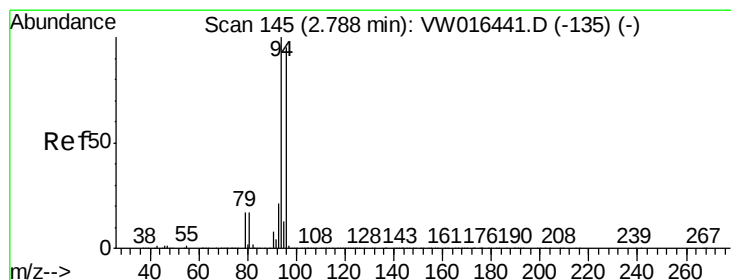
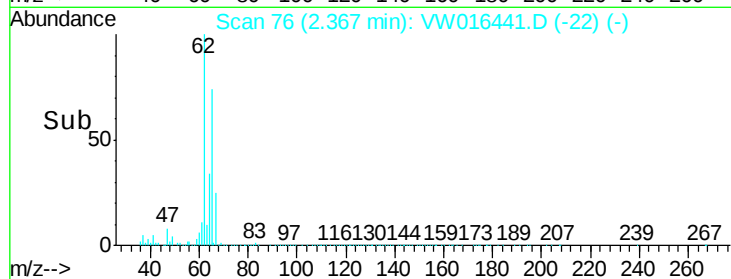
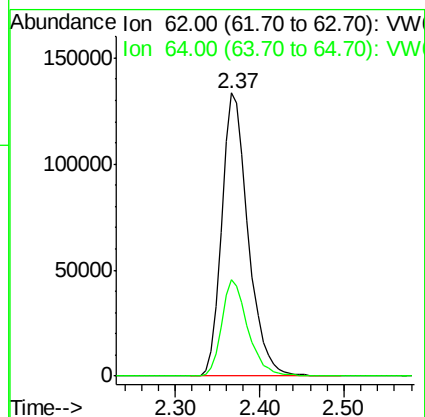
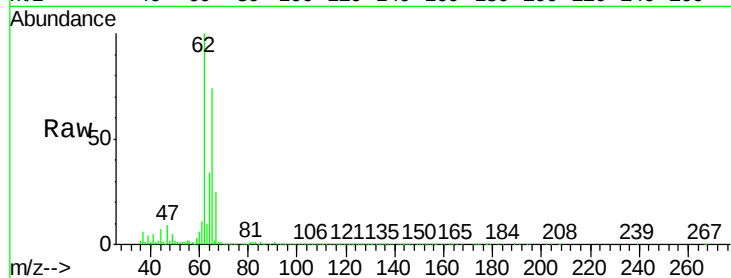
VSTD02505

Tgt Ion: 62 Resp: 287063

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.5



#6

Bromomethane

Concen: 29.348 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016441.D

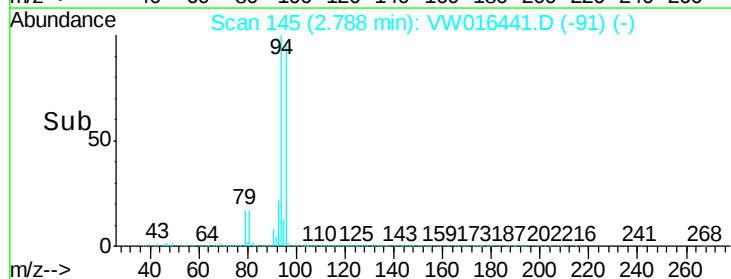
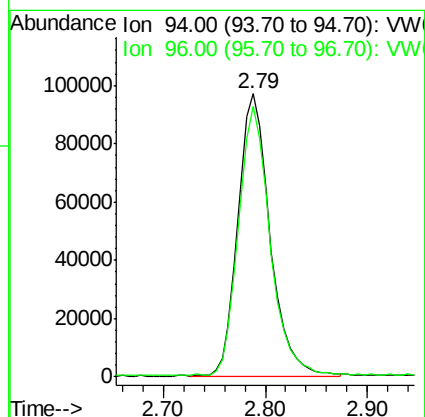
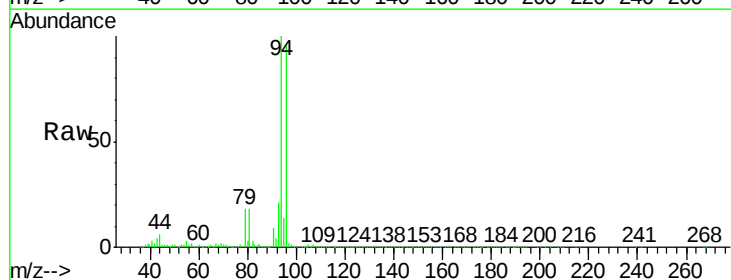
Acq: 03 Sep 2020 12:22

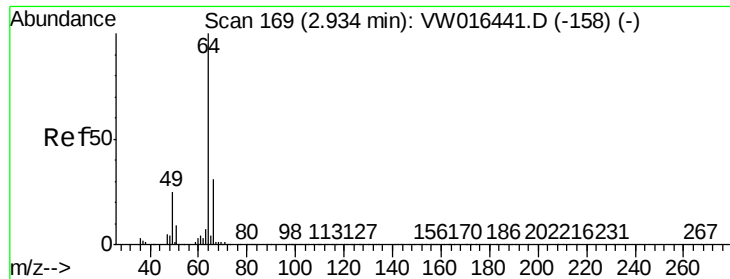
Tgt Ion: 94 Resp: 210736

Ion Ratio Lower Upper

94 100

96 93.8 9.4 178.2

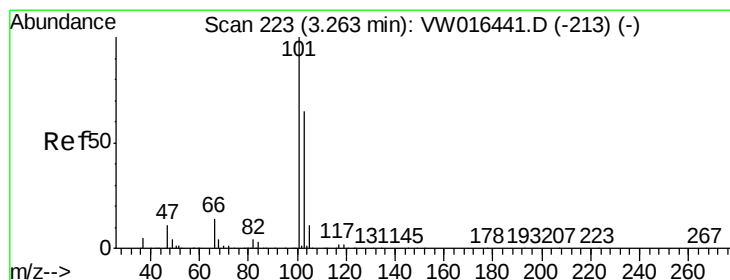
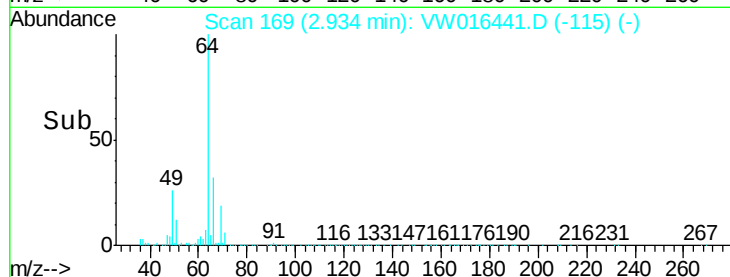
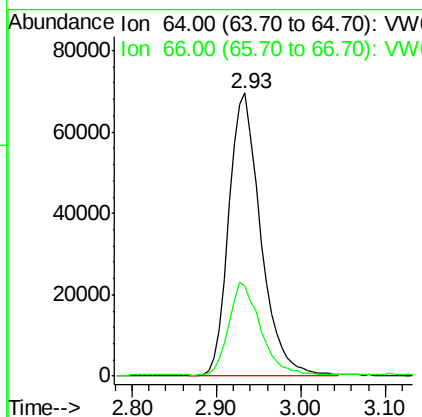
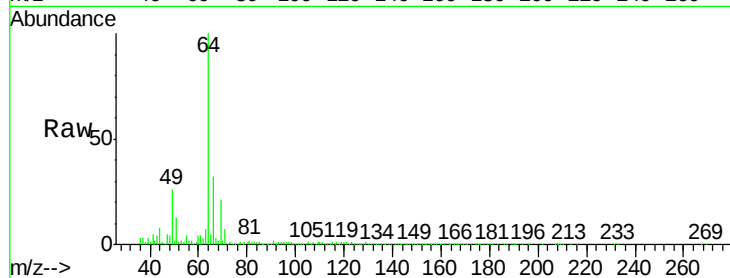




#8
Chloroethane
Concen: 29.301 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

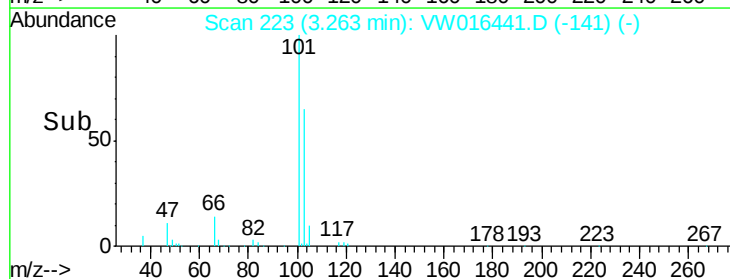
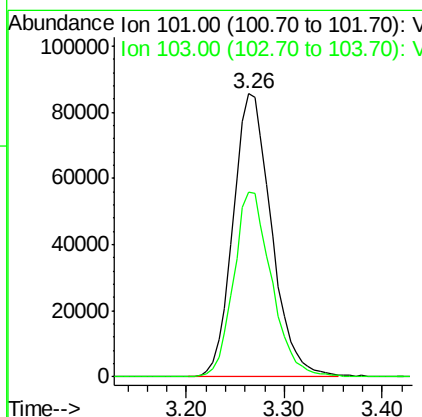
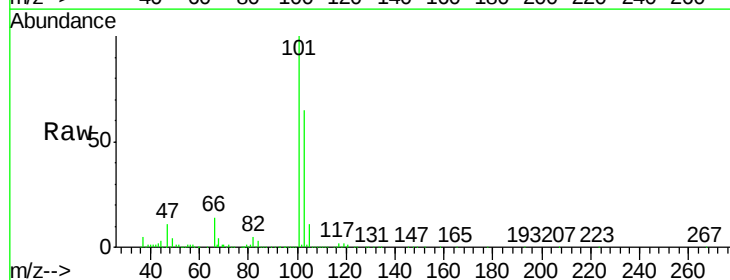
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

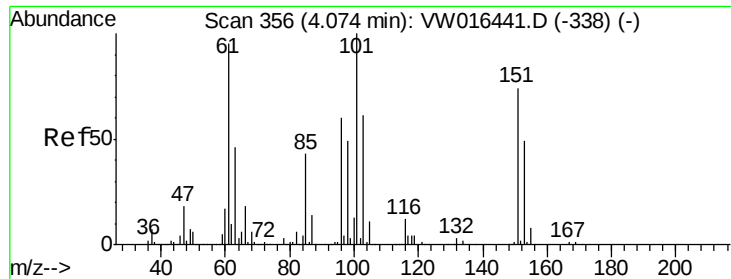
Tgt Ion: 64 Resp: 178694
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 21.333 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 101 Resp: 233703
Ion Ratio Lower Upper
101 100
103 64.4 45.1 83.7





#11

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

Concen: 22.947 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

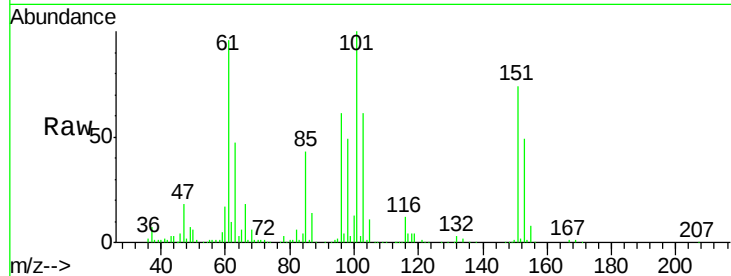
Tgt Ion: 101 Resp: 277864

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

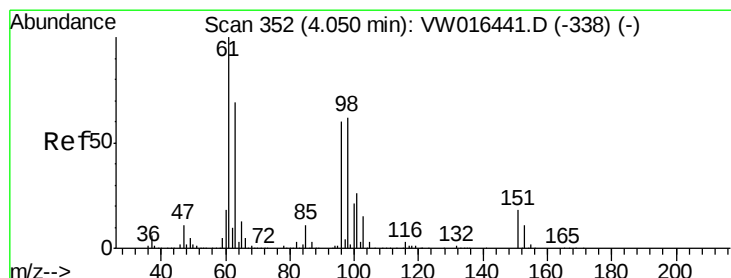
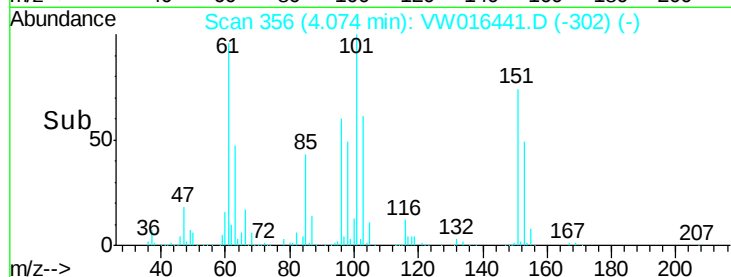
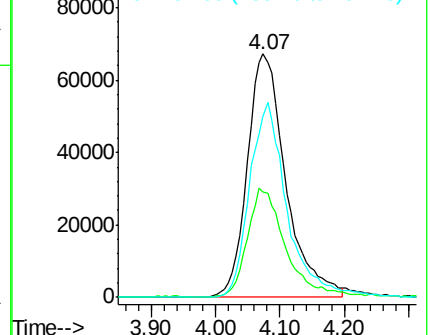
151 77.0 61.6 92.4



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: 23.768 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

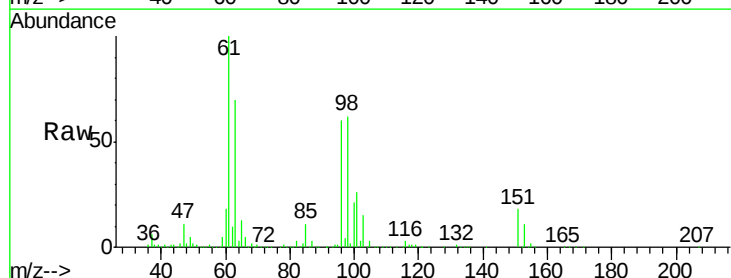
Tgt Ion: 96 Resp: 280436

Ion Ratio Lower Upper

96 100

61 166.4 116.5 216.3

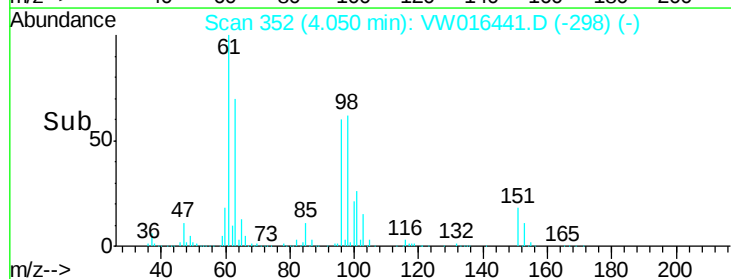
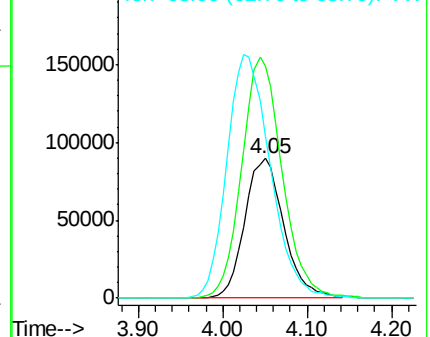
63 115.8 81.1 150.5

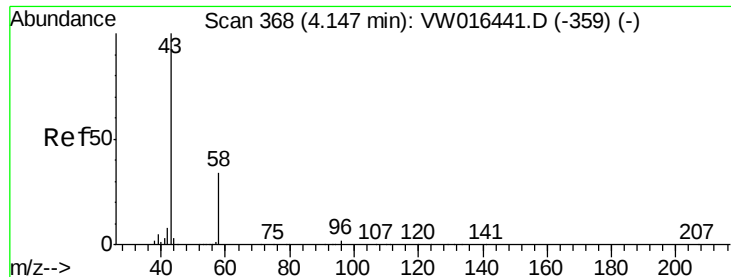


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

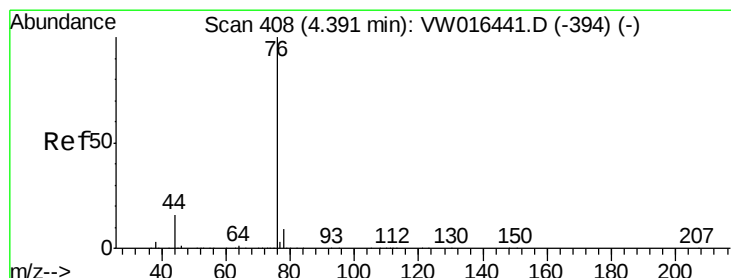
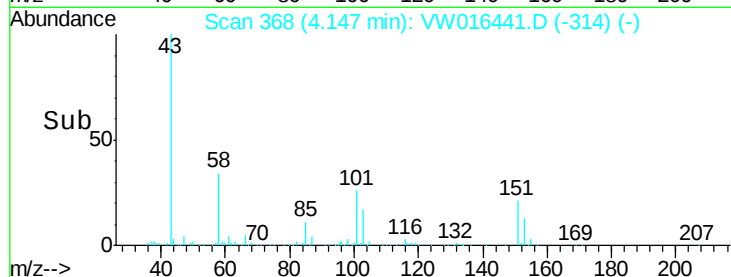
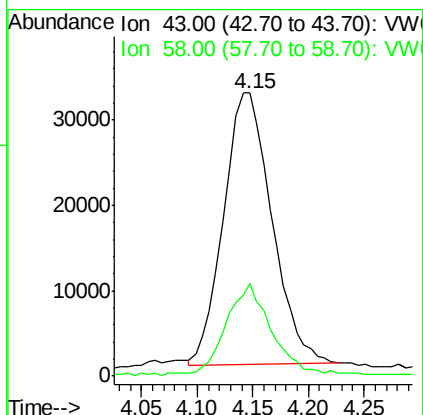
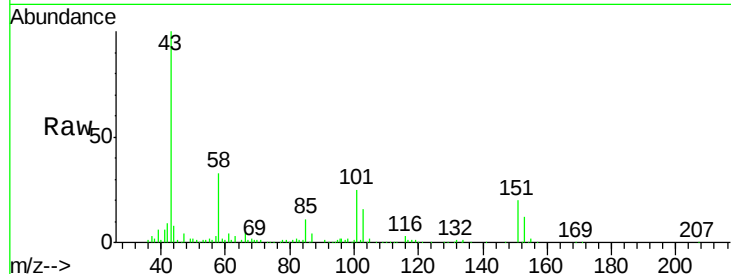




#13
Acetone
Concen: 43.743 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

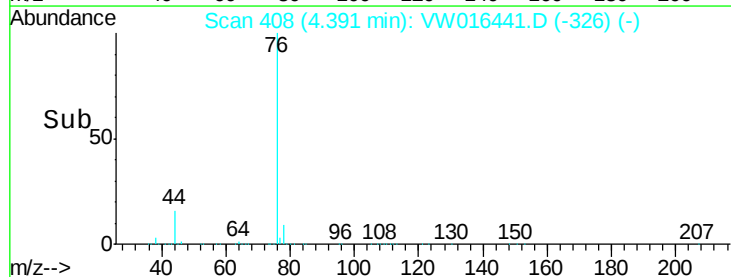
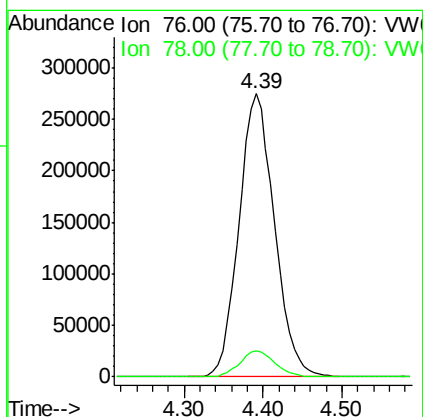
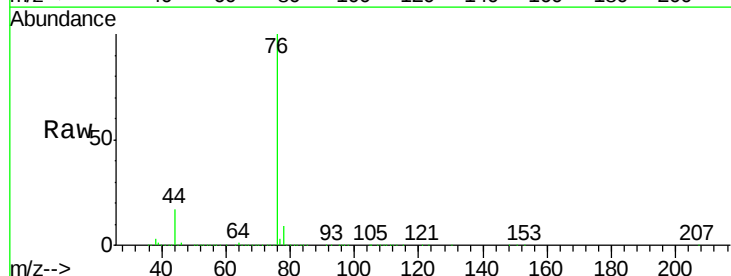
Instrument :
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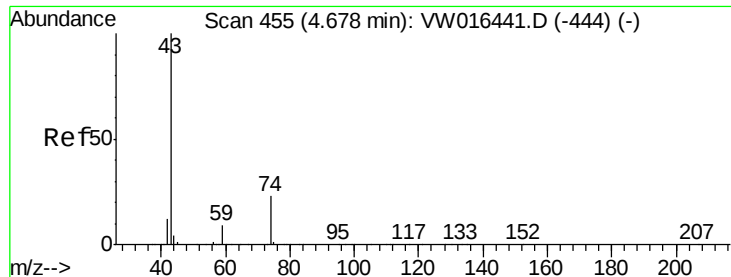
Tgt Ion: 43 Resp: 95491
Ion Ratio Lower Upper
43 100
58 31.4 0.0 63.0



#14
Carbon disulfide
Concen: 24.325 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 76 Resp: 858179
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

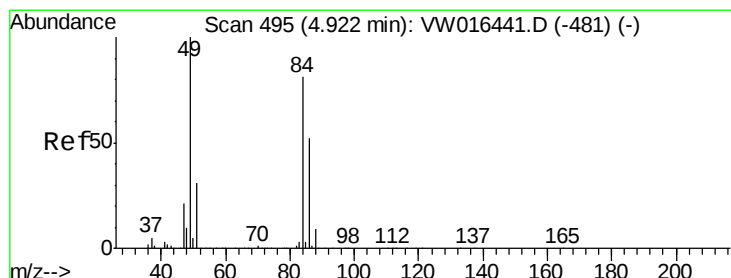
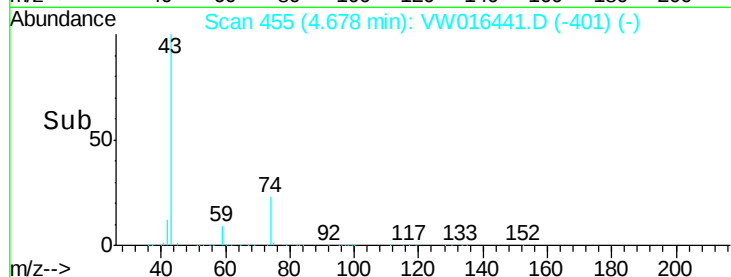
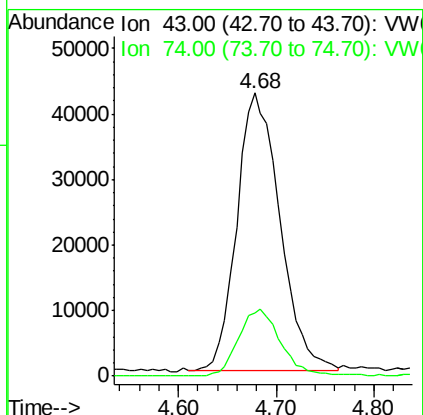
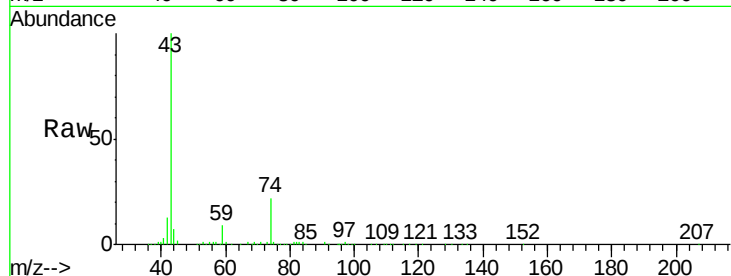




#15
Methyl Acetate
Concen: 27.987 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

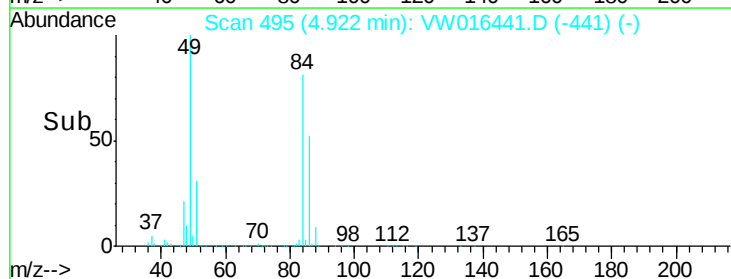
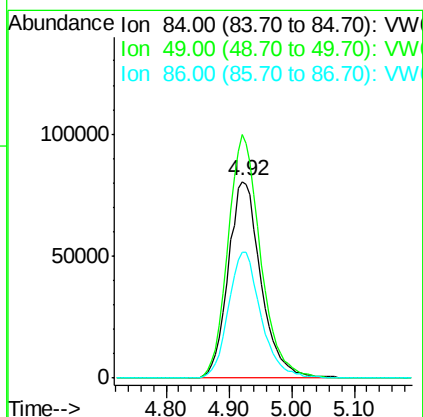
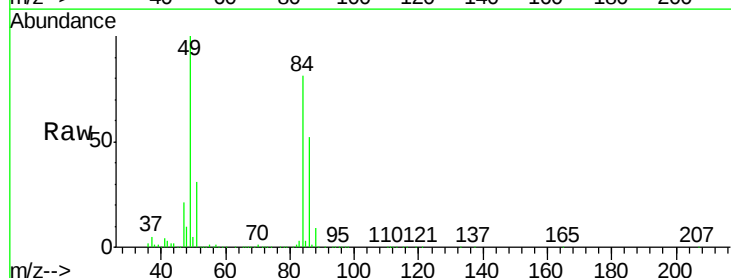
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

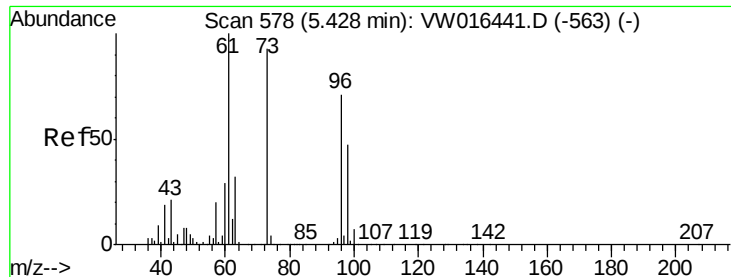
Tgt Ion: 43 Resp: 128808
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3



#16
Methylene chloride
Concen: 17.880 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 84 Resp: 289956
Ion Ratio Lower Upper
84 100
49 123.8 86.7 160.9
86 64.2 44.9 83.5





#17

Methyl tert-butyl Ether

Concen: 24.702 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

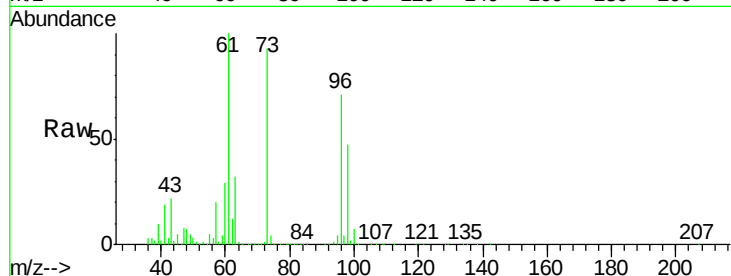
Tgt Ion: 73 Resp: 424664

Ion Ratio Lower Upper

73 100

43 22.4 17.9 26.9

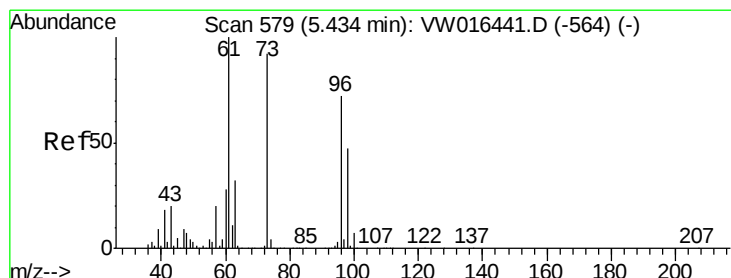
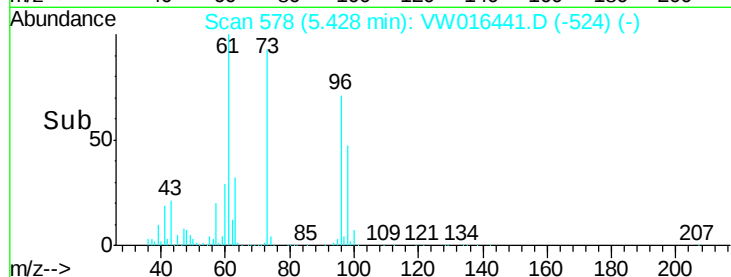
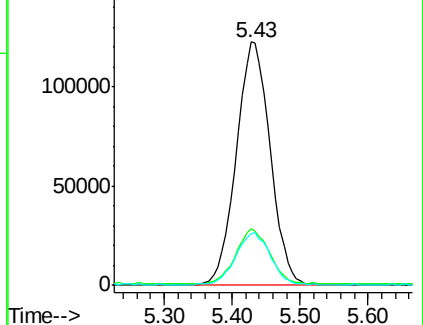
57 21.7 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 23.739 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

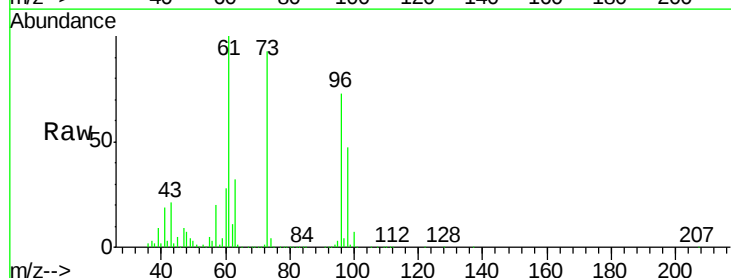
Tgt Ion: 96 Resp: 294315

Ion Ratio Lower Upper

96 100

61 137.7 96.4 179.0

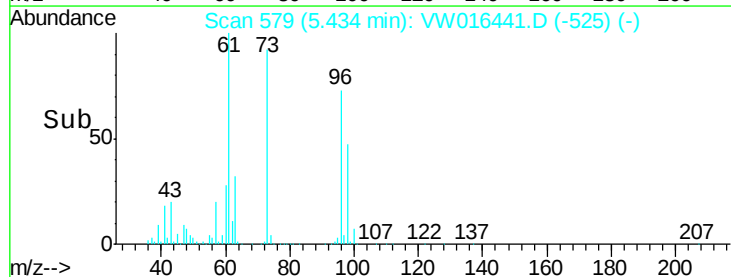
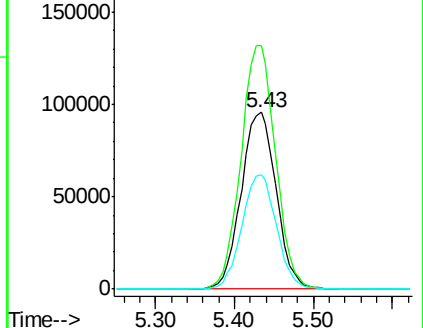
98 64.4 45.1 83.7

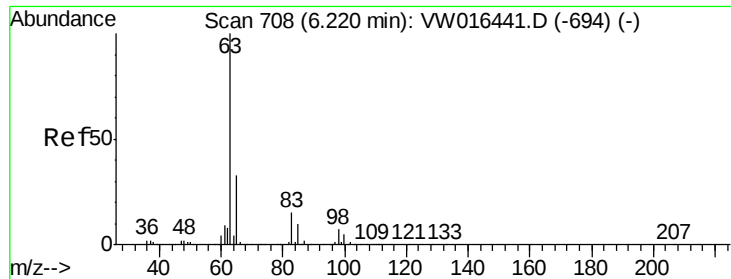


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

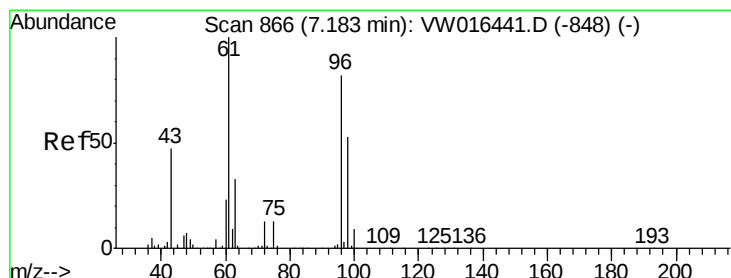
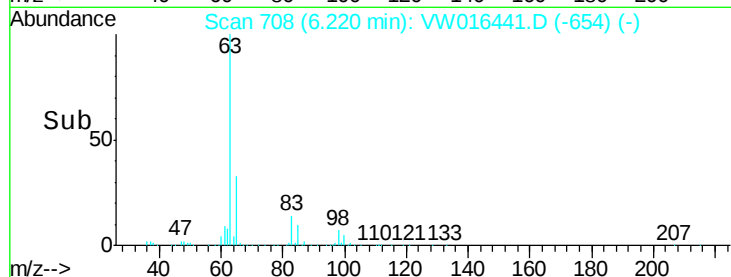
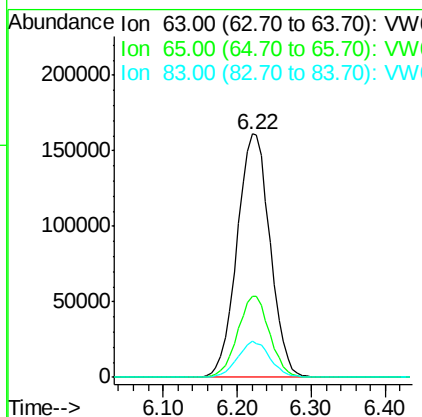
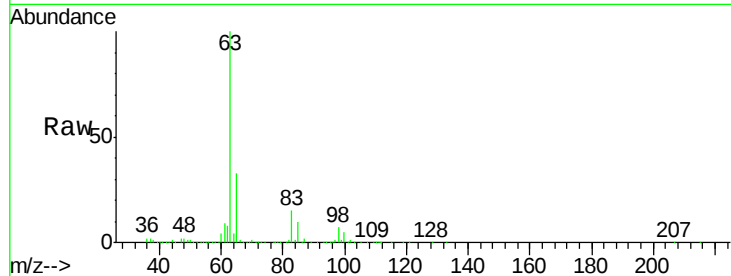




#19
 1,1-Dichloroethane
 Concen: 24.435 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

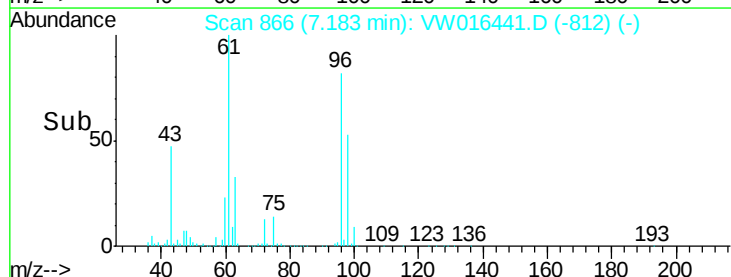
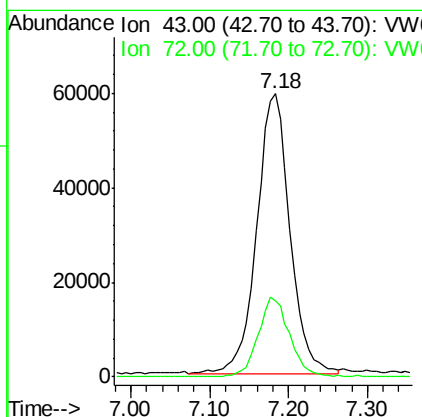
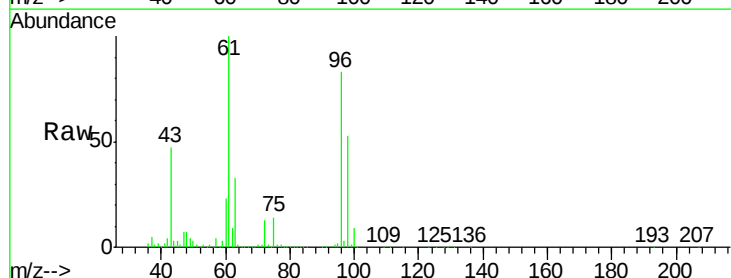
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

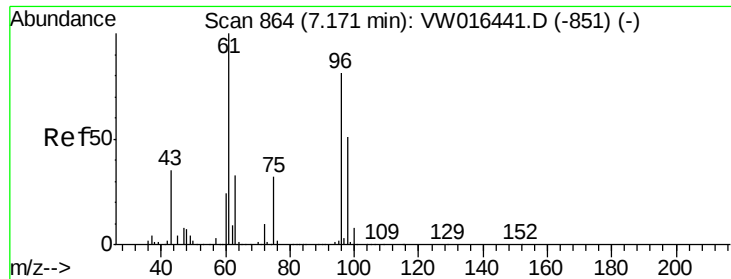
Tgt Ion: 63 Resp: 500820
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.3 43.3
 83 14.7 10.3 19.1



#21
 2-Butanone
 Concen: 53.192 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

Tgt Ion: 43 Resp: 172962
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.5 40.4



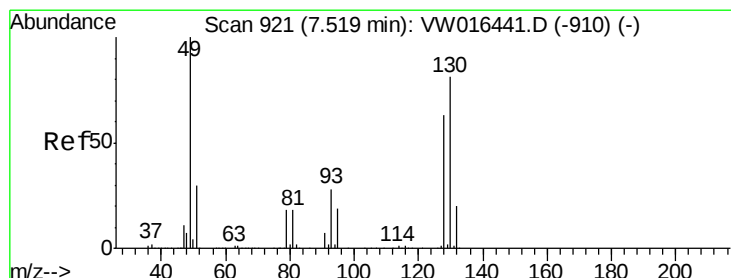
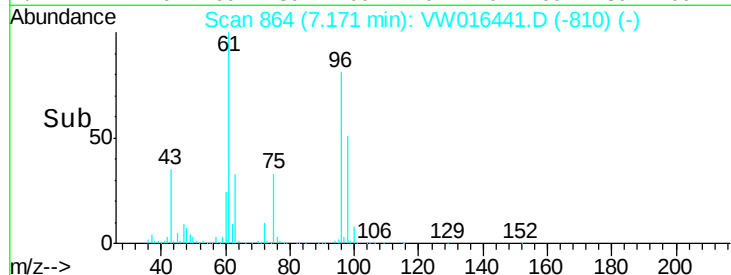
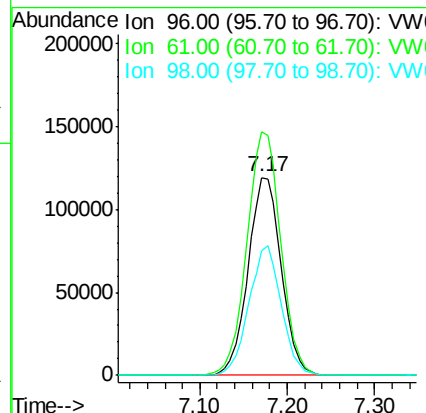
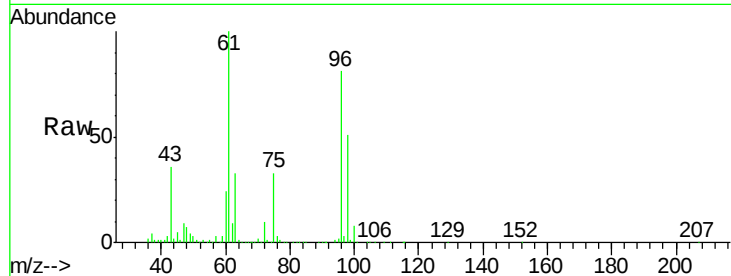


#22

cis-1,2-Dichloroethene
Concen: 24.021 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

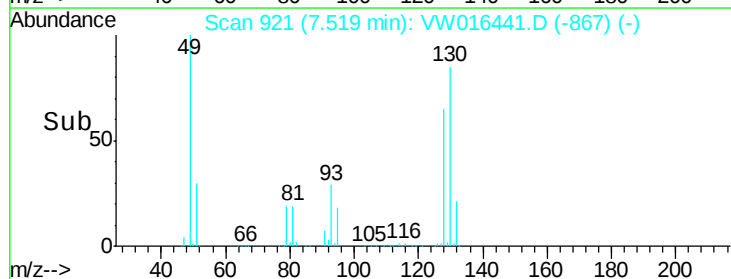
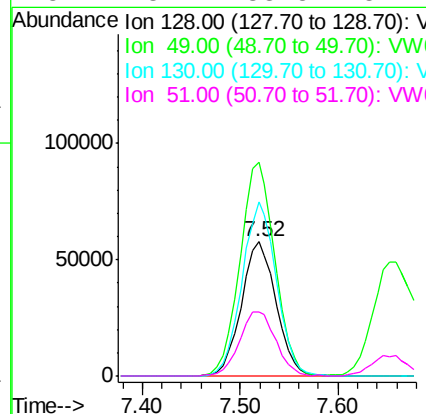
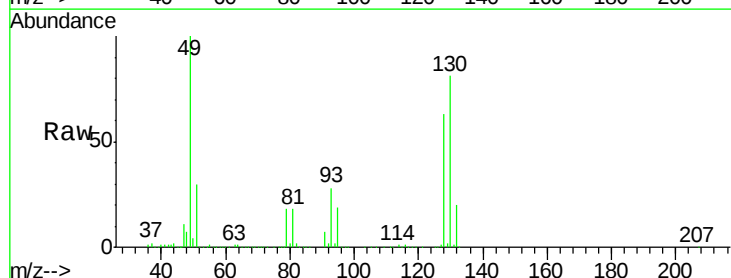
Tgt Ion: 96 Resp: 312529
Ion Ratio Lower Upper
96 100
61 123.0 86.1 159.9
98 63.0 44.1 81.9

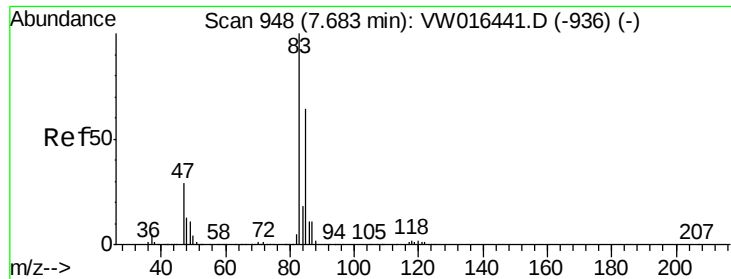


#23

Bromochloromethane
Concen: 23.824 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 128 Resp: 141628
Ion Ratio Lower Upper
128 100
49 159.5 111.6 207.4
130 129.8 90.9 168.7
51 48.1 38.5 57.7

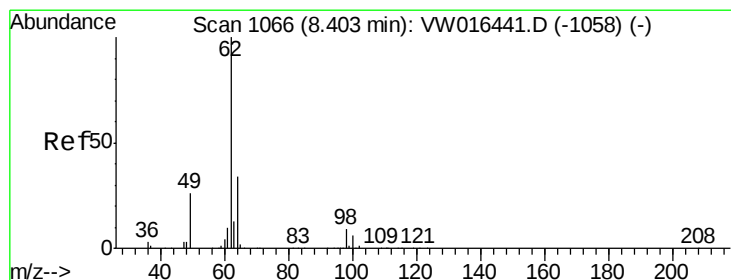
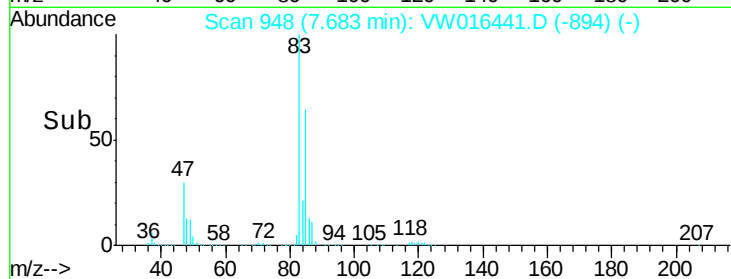
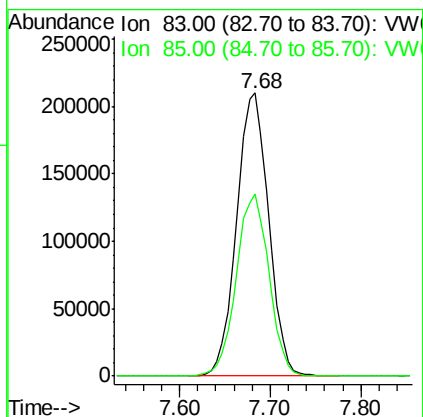
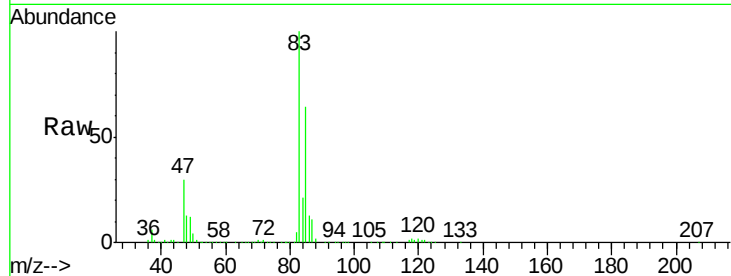




#25
Chloroform
Concen: 23.715 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

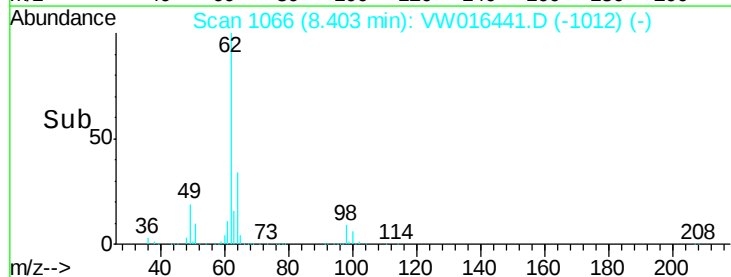
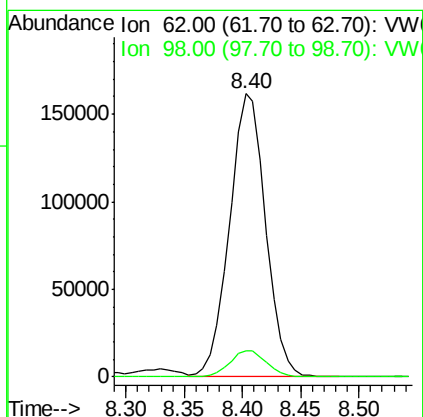
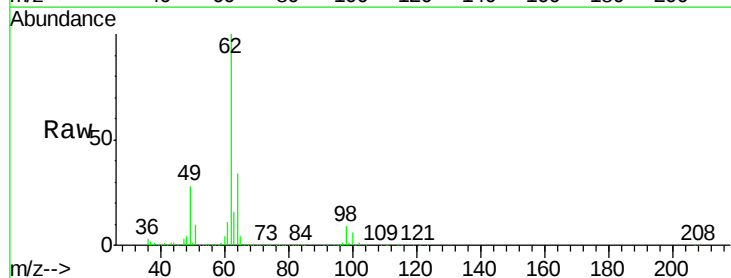
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

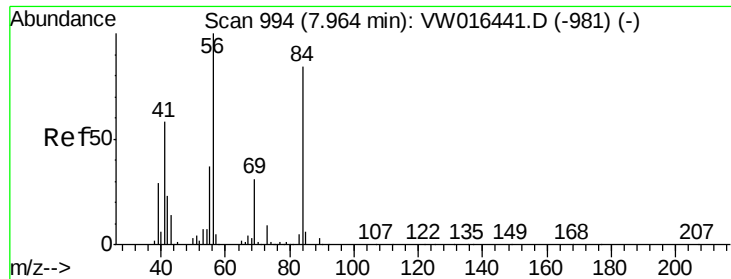
Tgt Ion: 83 Resp: 517950
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.178 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 62 Resp: 348782
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

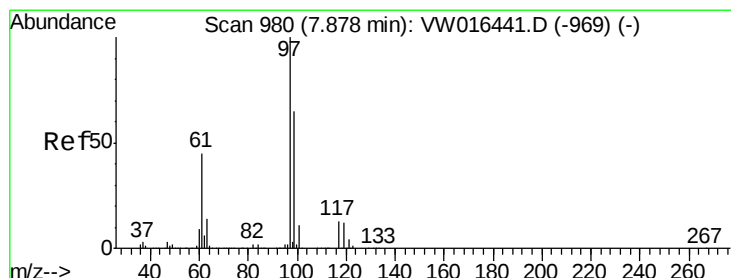
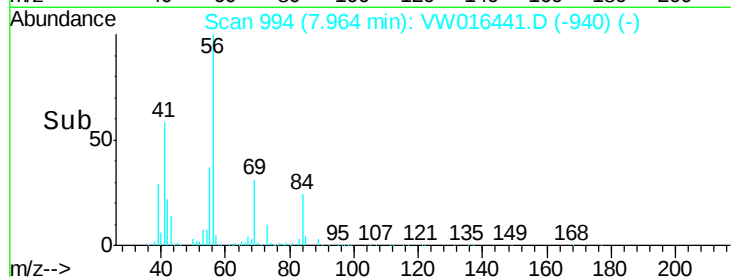
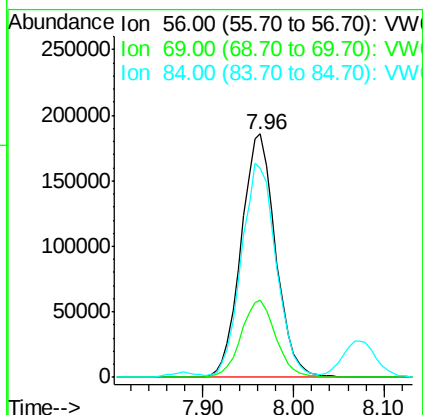
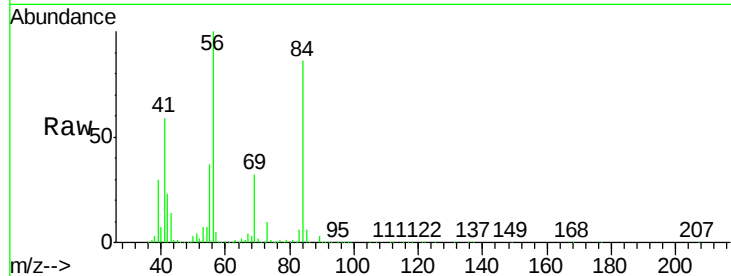




#30
Cyclohexane
Concen: 27.455 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

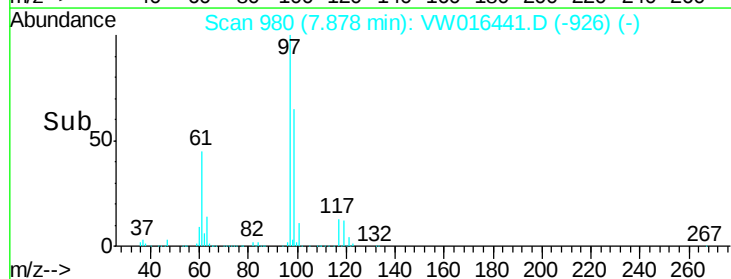
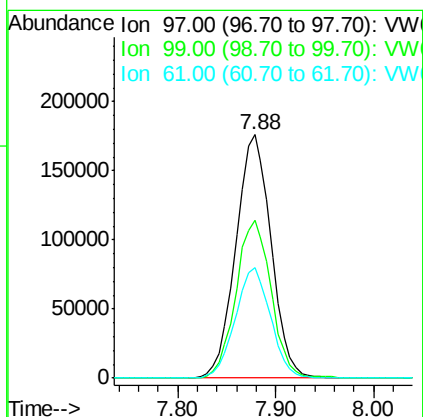
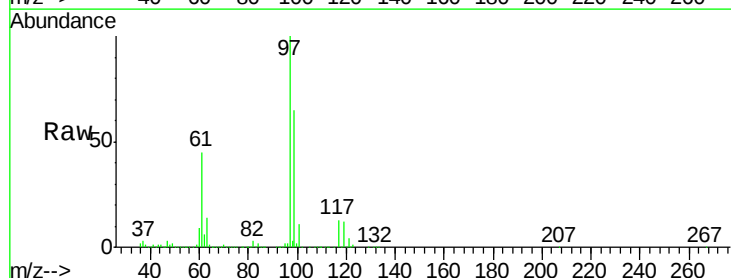
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

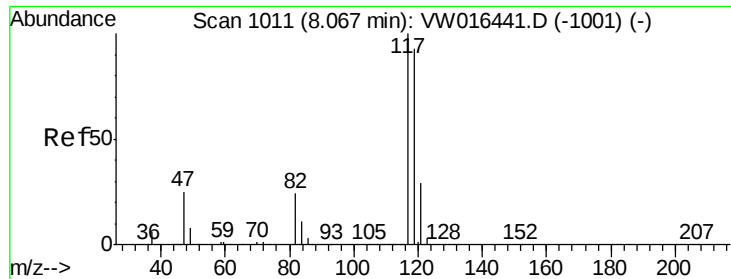
Tgt Ion: 56 Resp: 486482
Ion Ratio Lower Upper
56 100
69 31.6 25.3 37.9
84 89.5 71.6 107.4



#31
1,1,1-Trichloroethane
Concen: 23.202 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 97 Resp: 439301
Ion Ratio Lower Upper
97 100
99 65.2 52.2 78.2
61 45.4 36.3 54.5

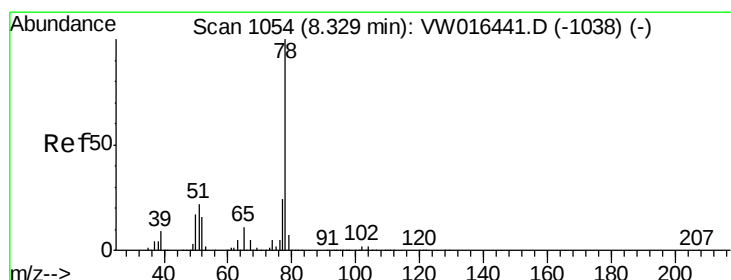
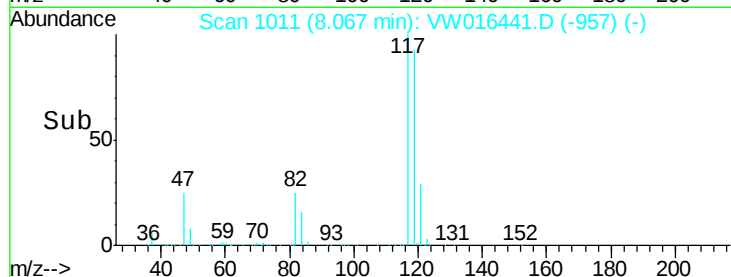
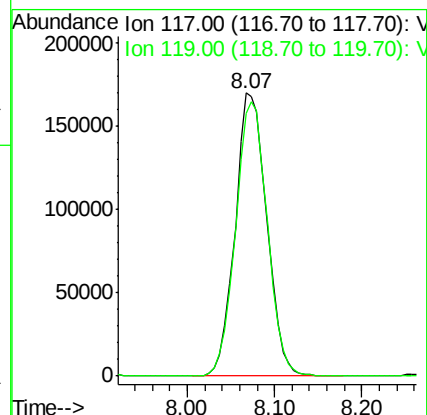
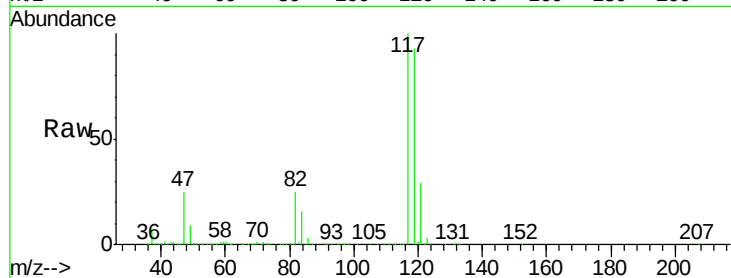




#32
Carbon tetrachloride
Concen: 23.572 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

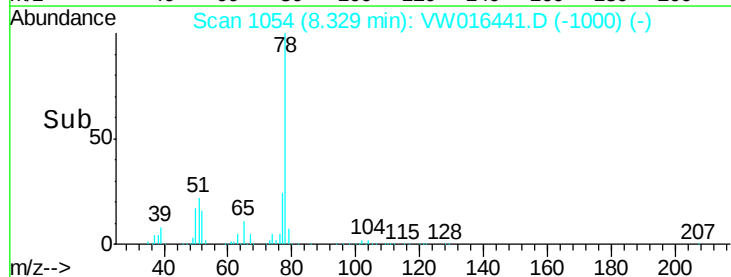
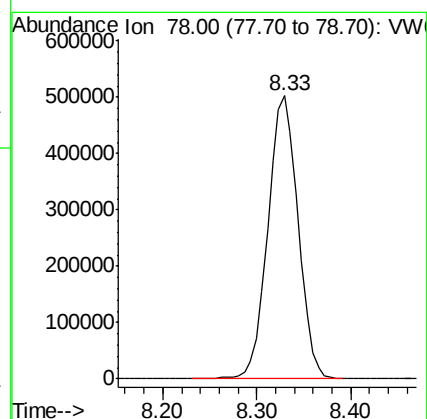
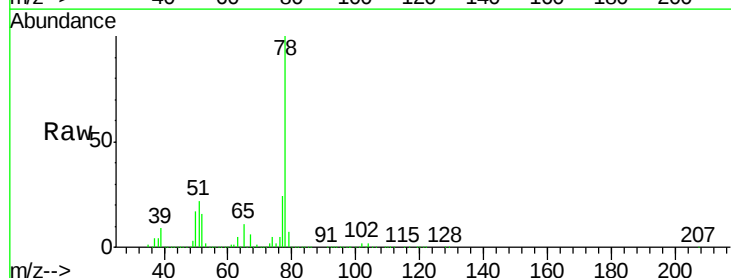
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

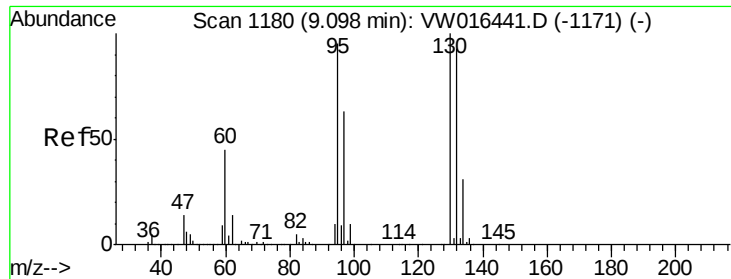
Tgt Ion:117 Resp: 426150
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6



#34
Benzene
Concen: 24.670 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 78 Resp: 1127819

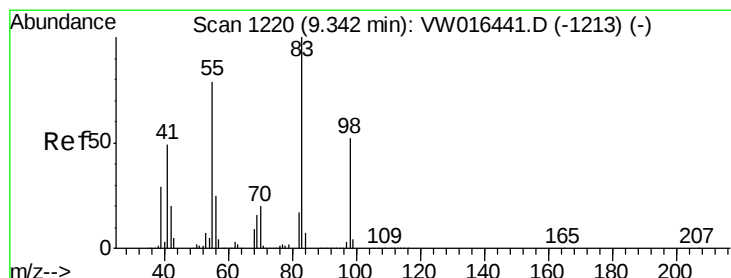
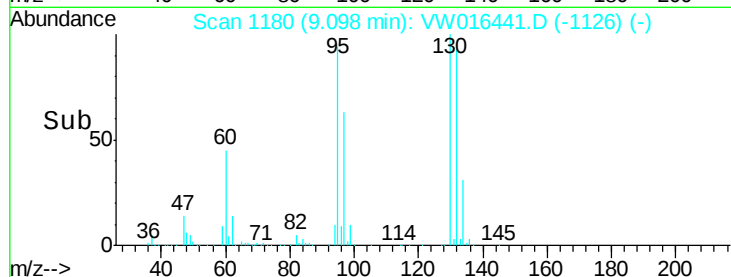
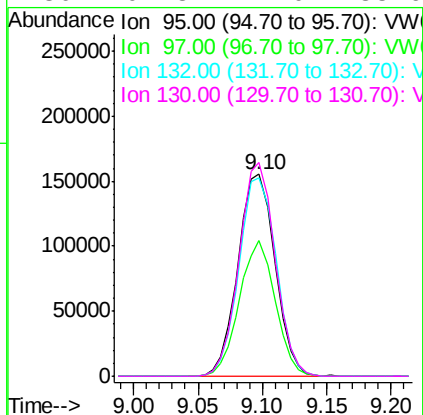
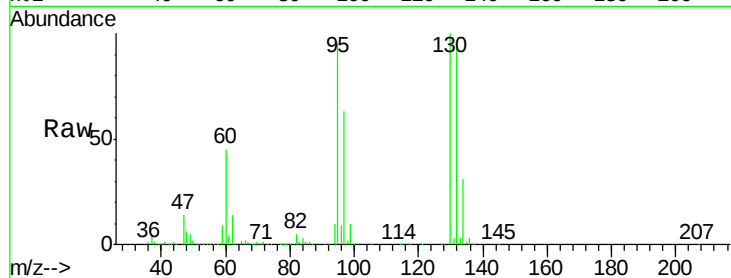




#35
 Trichloroethene
 Concen: 24.066 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

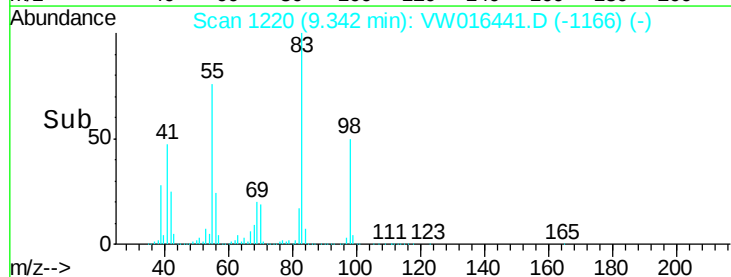
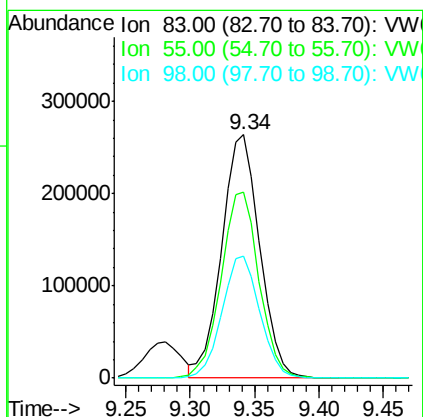
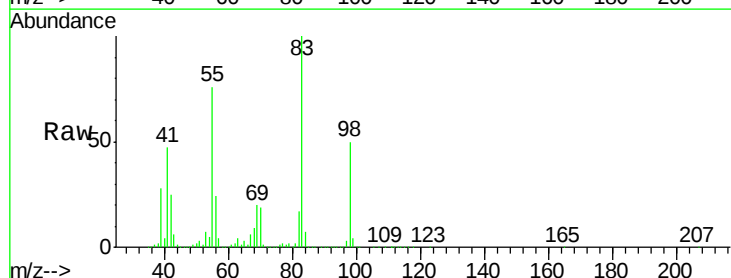
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

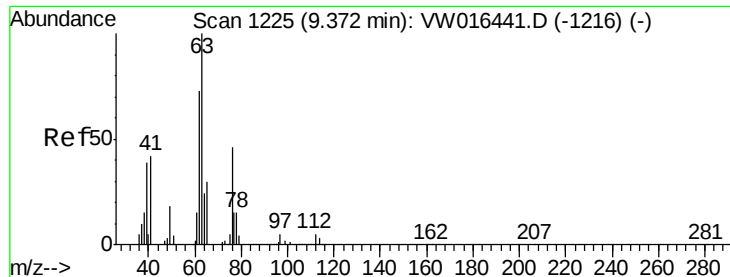
Tgt Ion:	95	Resp:	310939
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.5
132	98.8	69.2	128.4
130	102.8	72.0	133.6



#36
 Methylcyclohexane
 Concen: 25.490 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

Tgt Ion:	83	Resp:	542573
Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.9	91.3
98	50.0	40.0	60.0

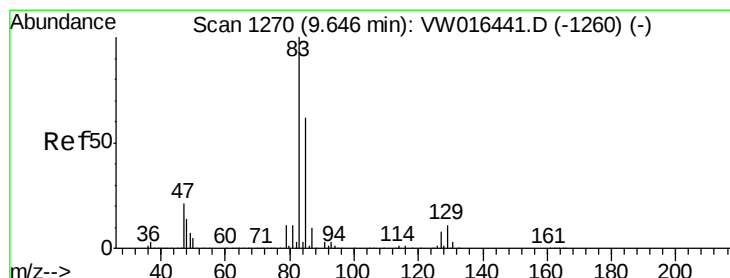
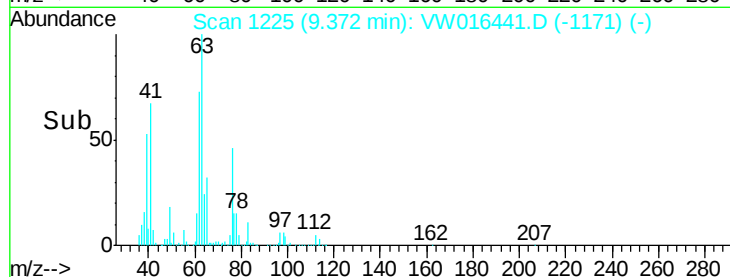
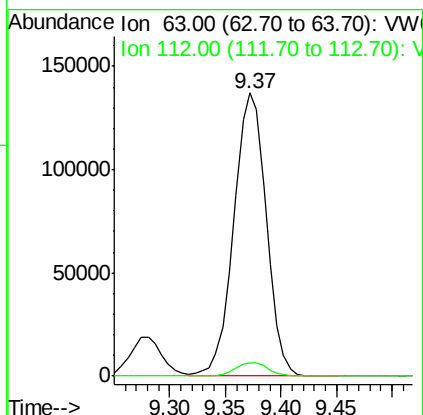
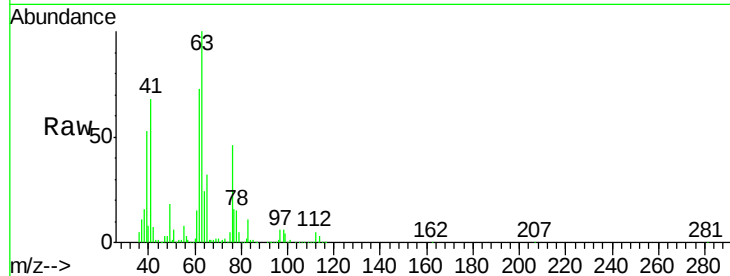




#40
 1,2-Dichloropropane
 Concen: 25.556 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

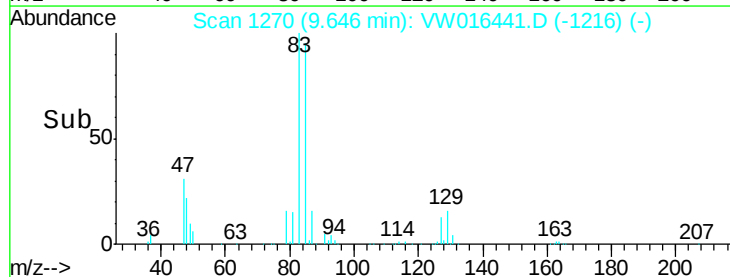
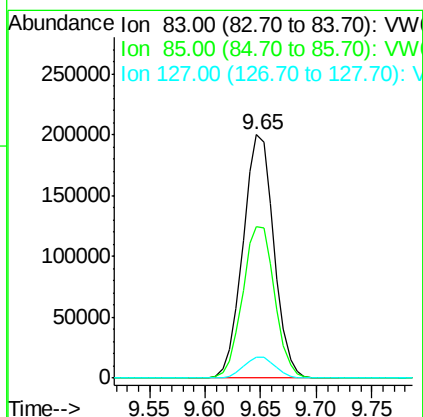
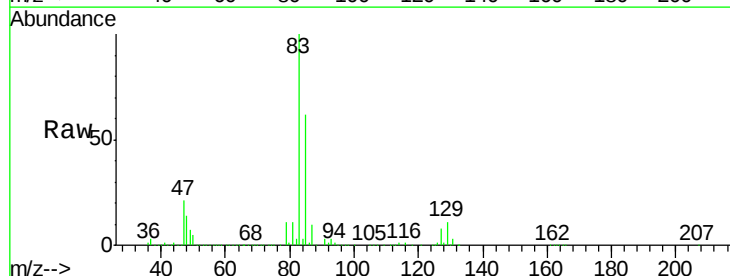
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

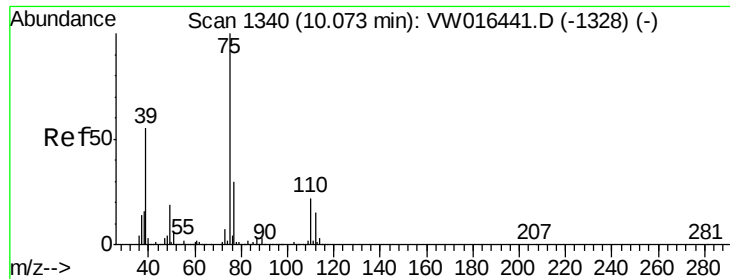
Tgt Ion: 63 Resp: 277279
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.278 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

Tgt Ion: 83 Resp: 385203
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.5 80.7
 127 8.4 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 26.263 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

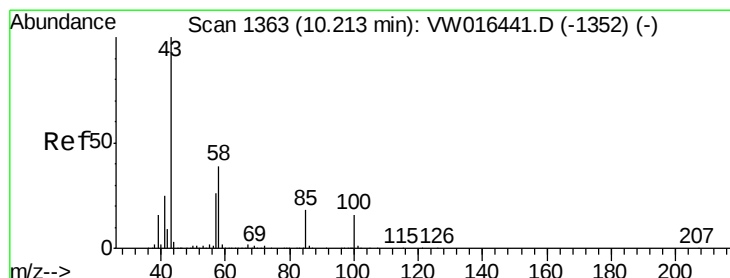
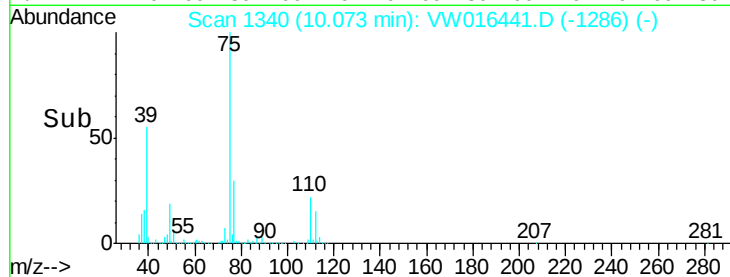
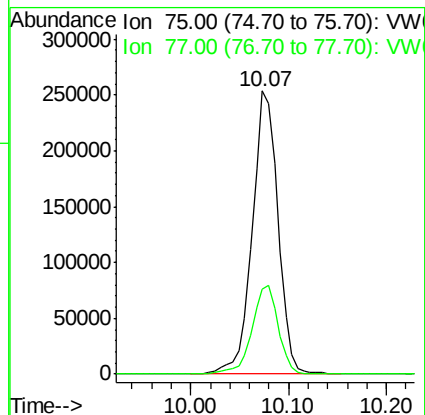
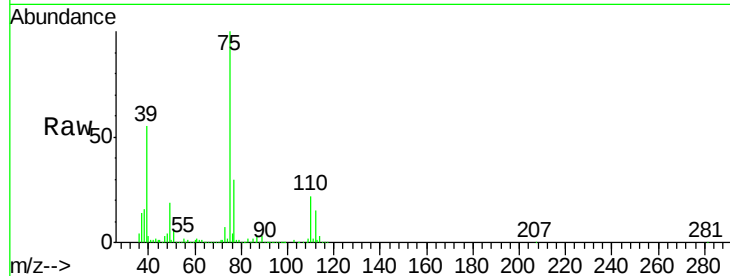
VSTD02505

Tgt Ion: 75 Resp: 466132

Ion Ratio Lower Upper

75 100

77 29.8 20.9 38.7



#43

4-Methyl-2-pentanone

Concen: 58.394 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

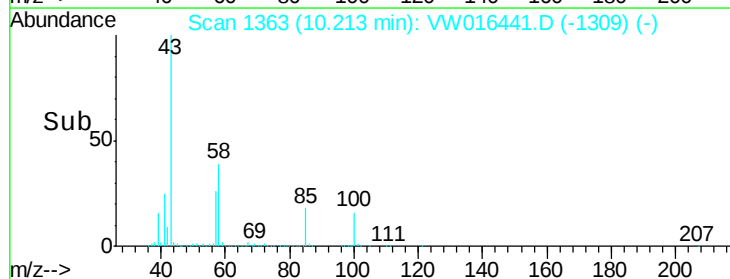
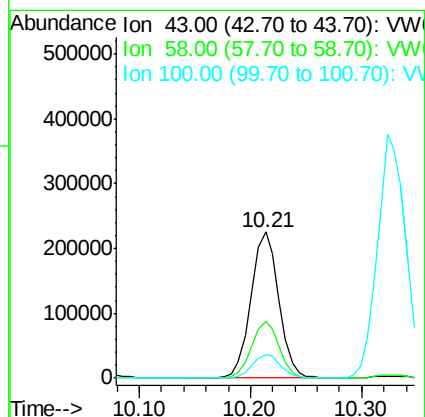
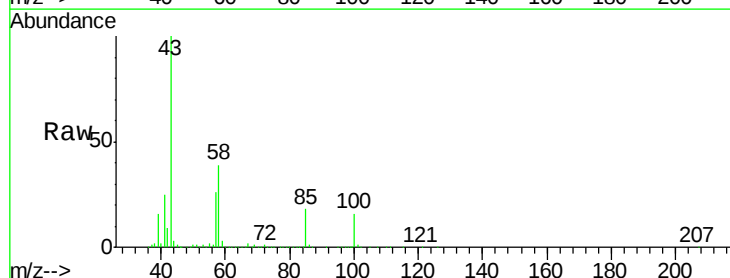
Tgt Ion: 43 Resp: 390924

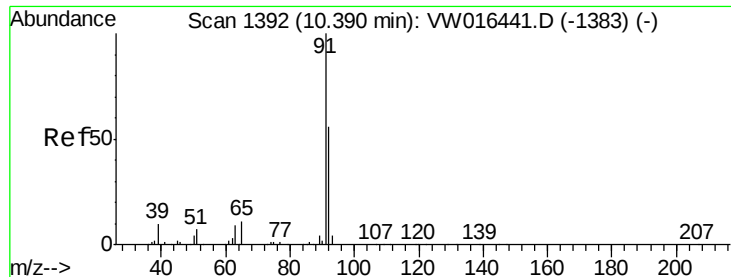
Ion Ratio Lower Upper

43 100

58 38.2 30.6 45.8

100 16.3 13.0 19.6





#44

Toluene

Concen: 25.385 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

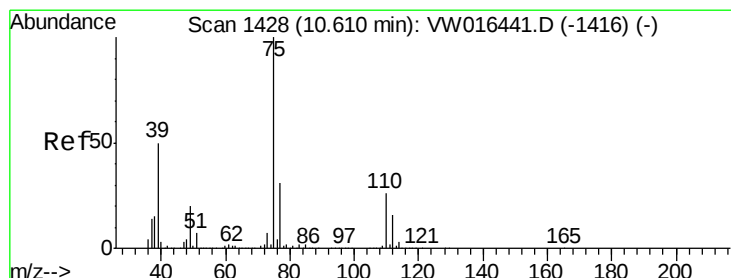
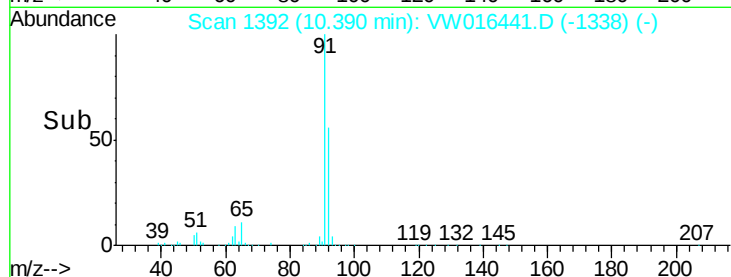
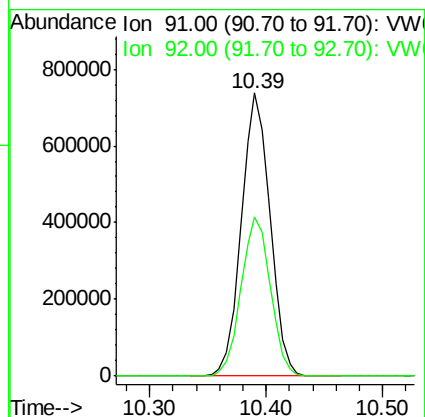
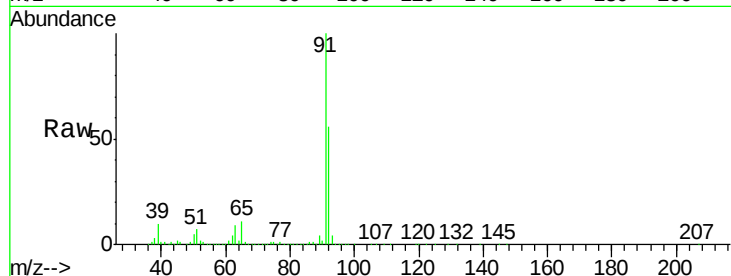
VSTD02505

Tgt Ion: 91 Resp: 1268682

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.026 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016441.D

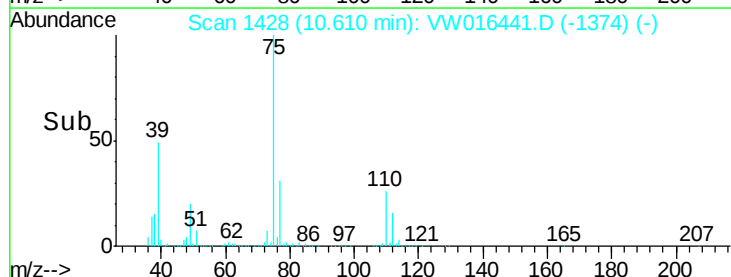
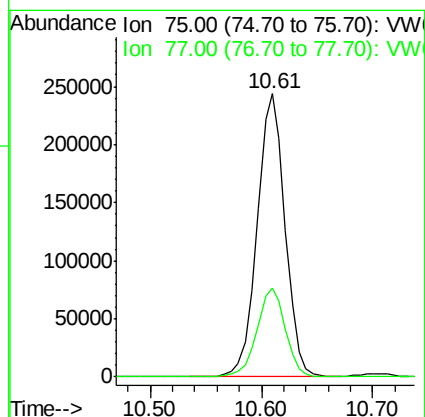
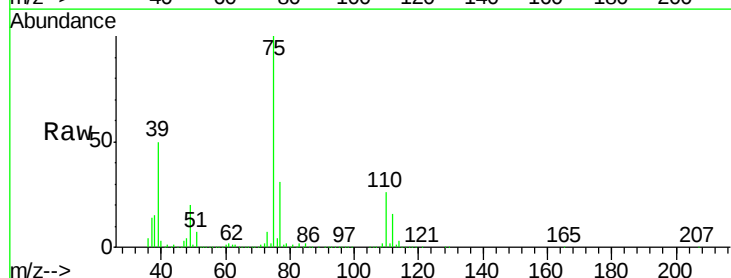
Acq: 03 Sep 2020 12:22

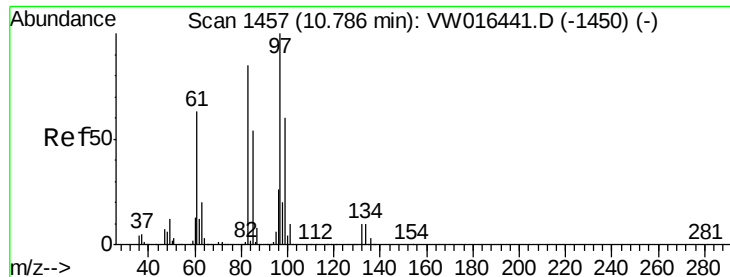
Tgt Ion: 75 Resp: 425374

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 24.801 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 97 Resp: 219374

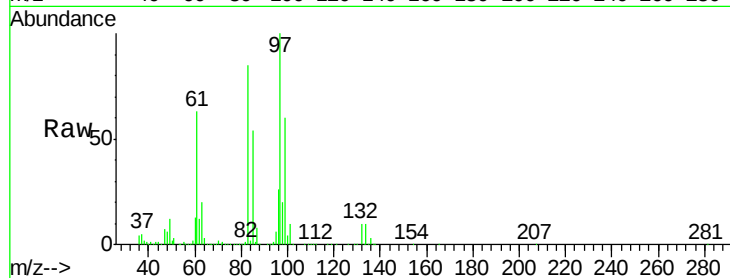
Ion Ratio Lower Upper

97 100

83 85.3 59.7 110.9

85 53.7 37.6 69.8

99 60.4 42.3 78.5

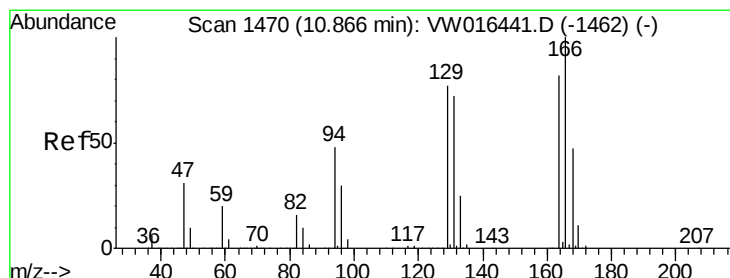
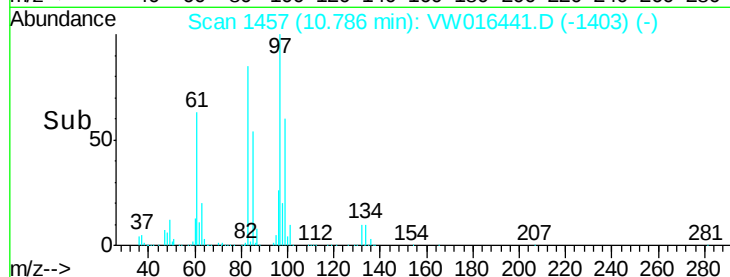
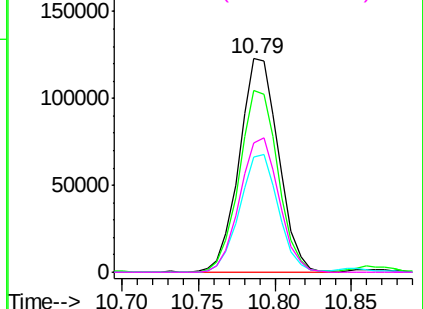


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.287 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Tgt Ion: 164 Resp: 247456

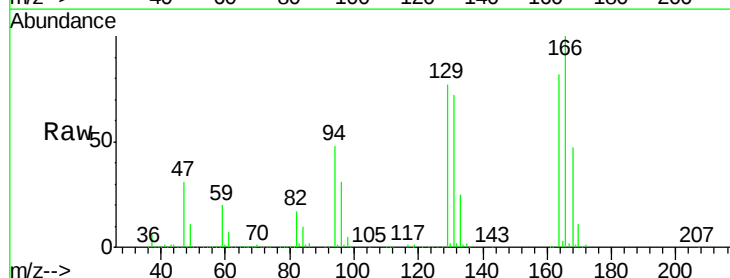
Ion Ratio Lower Upper

164 100

129 93.8 65.7 121.9

131 87.3 61.1 113.5

166 121.4 85.0 157.8

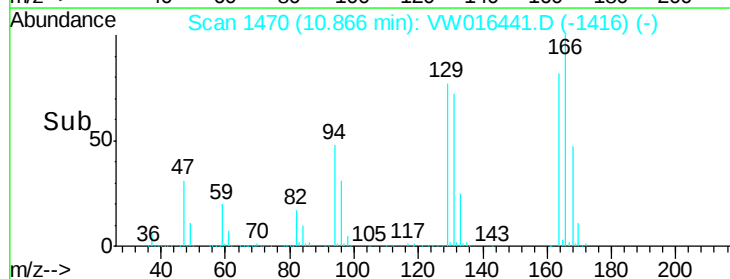
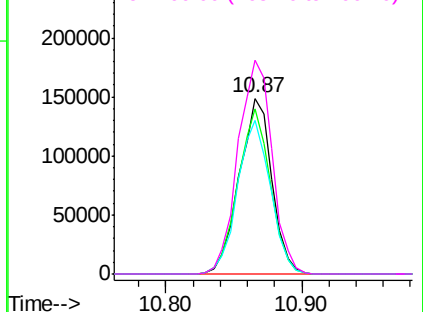


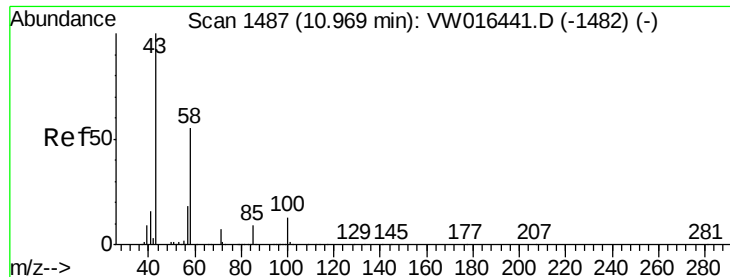
Abundance Ion 164.00 (163.70 to 164.70): V

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: 61.460 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 43 Resp: 268862

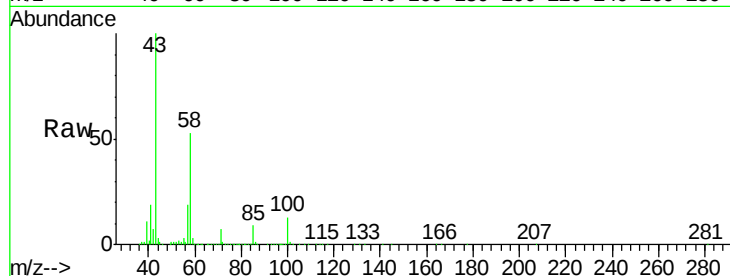
Ion Ratio Lower Upper

43 100

58 52.6 42.1 63.1

57 18.6 14.9 22.3

100 12.9 10.3 15.5

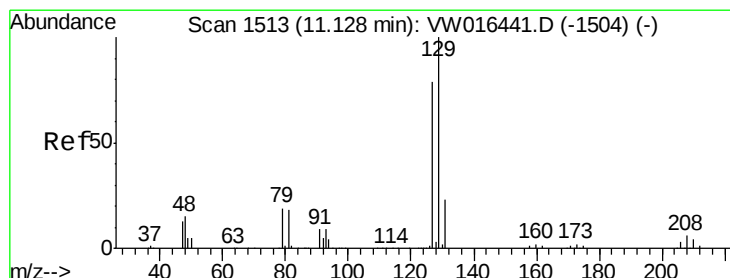
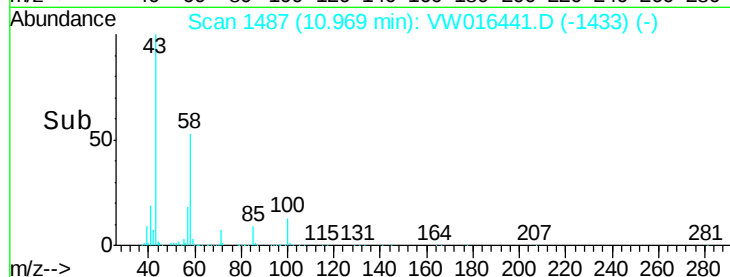
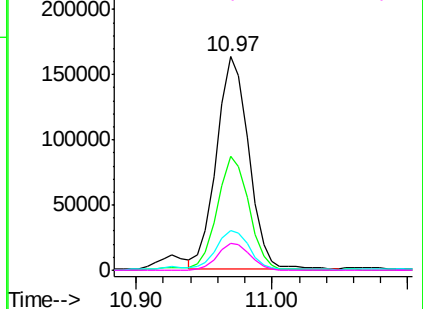


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.236 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016441.D

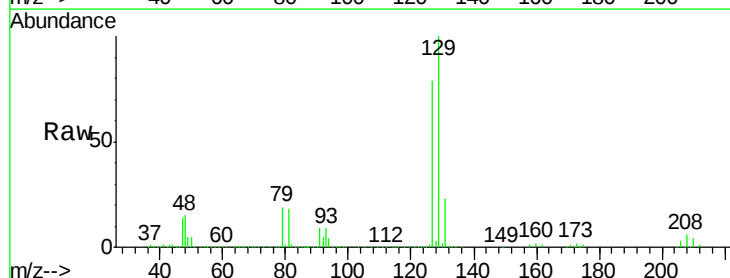
Acq: 03 Sep 2020 12:22

Tgt Ion: 129 Resp: 278676

Ion Ratio Lower Upper

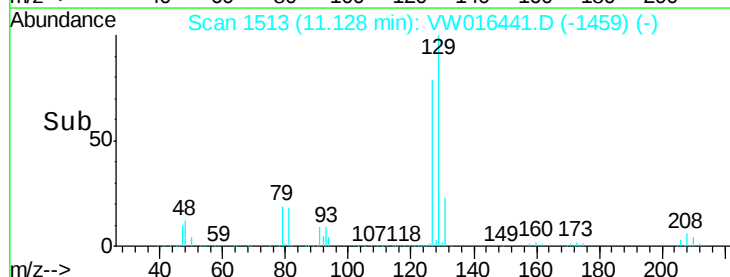
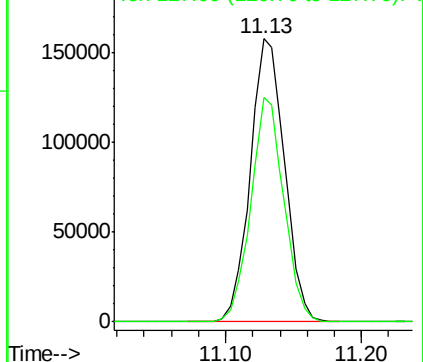
129 100

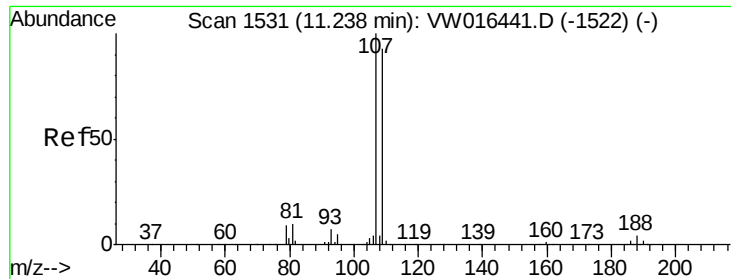
127 79.2 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

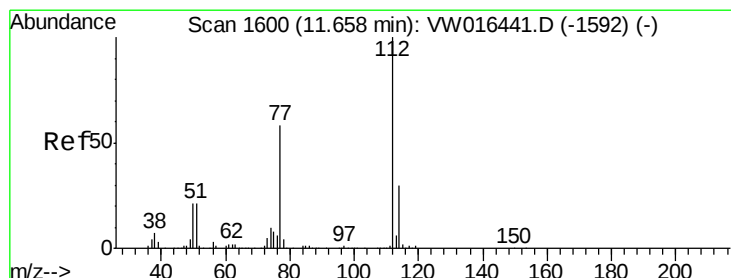
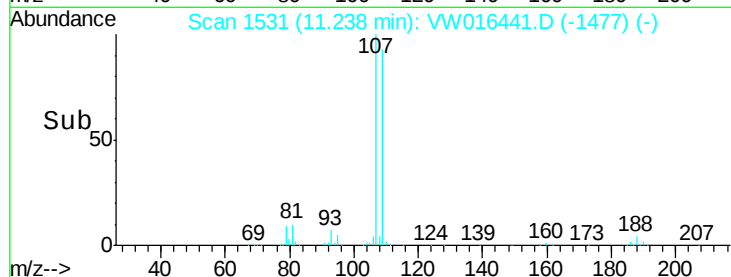
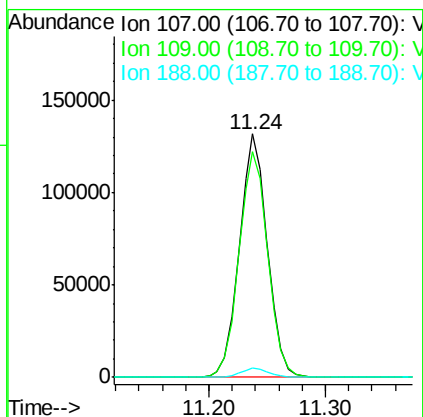
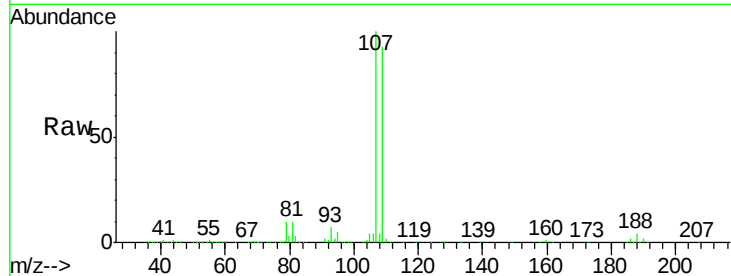




#51
 1,2-Dibromoethane
 Concen: 25.284 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

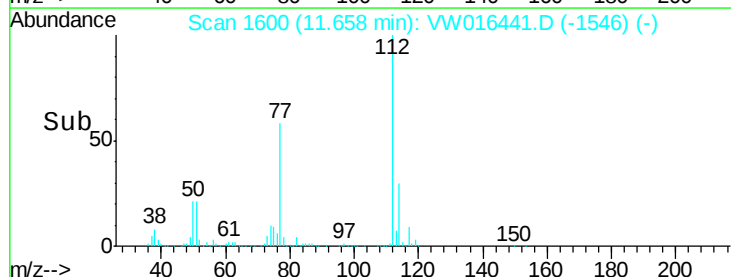
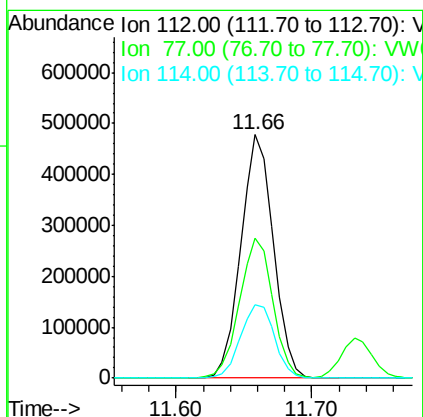
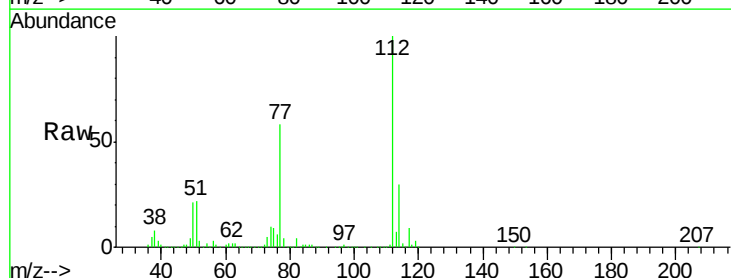
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

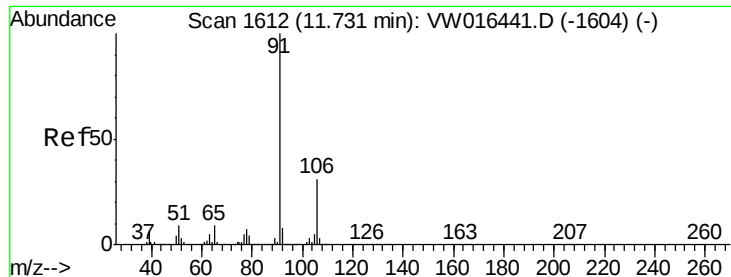
Tgt Ion:107 Resp: 219822
 Ion Ratio Lower Upper
 107 100
 109 92.6 64.8 120.4
 188 4.2 3.4 5.0



#52
 Chlorobenzene
 Concen: 24.099 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

Tgt Ion:112 Resp: 797302
 Ion Ratio Lower Upper
 112 100
 77 57.7 46.2 69.2
 114 30.2 21.1 39.3

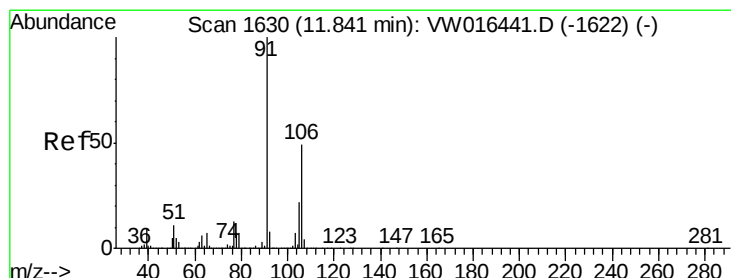
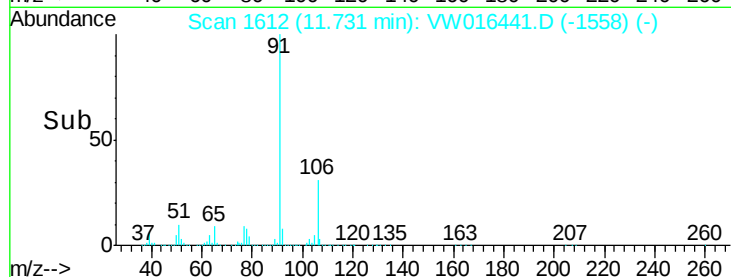
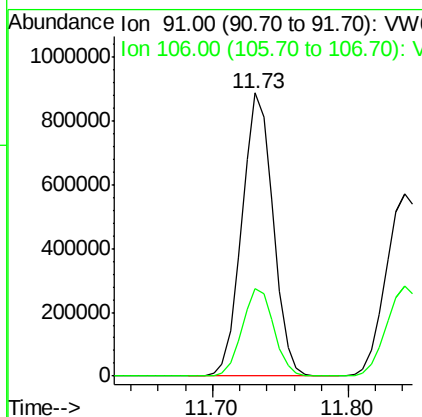
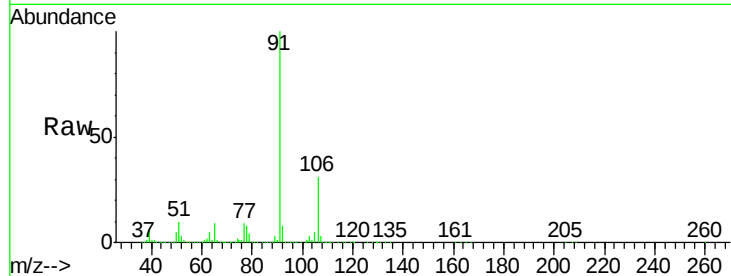




#53
Ethylbenzene
Concen: 24.888 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

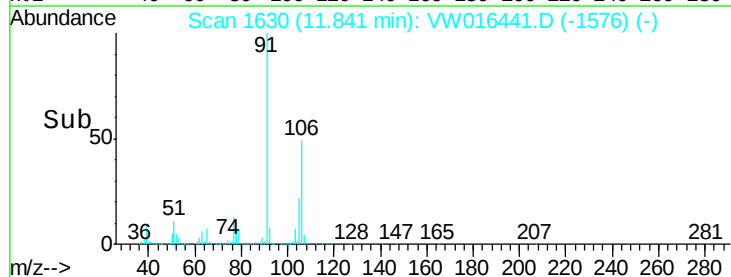
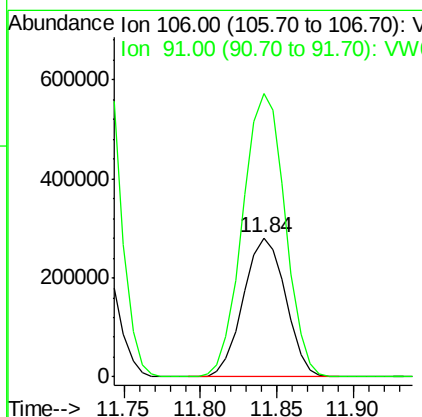
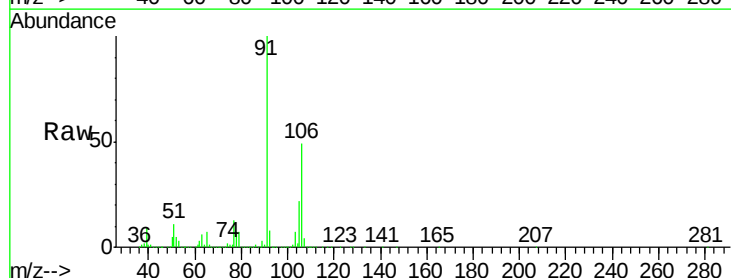
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

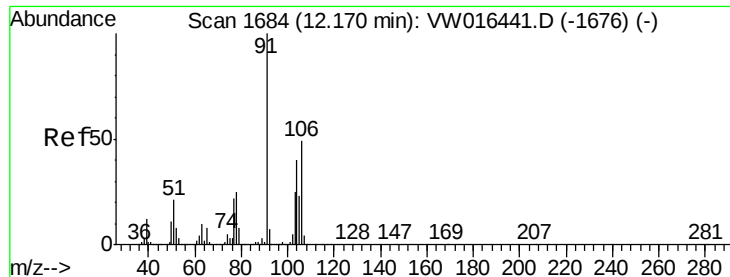
Tgt Ion: 91 Resp: 1421993
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#54
m,p-Xylene
Concen: 24.636 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016441.D
Acq: 03 Sep 2020 12:22

Tgt Ion: 106 Resp: 539109
Ion Ratio Lower Upper
106 100
91 203.3 142.3 264.3





#55

o-xylene

Concen: 25.036 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

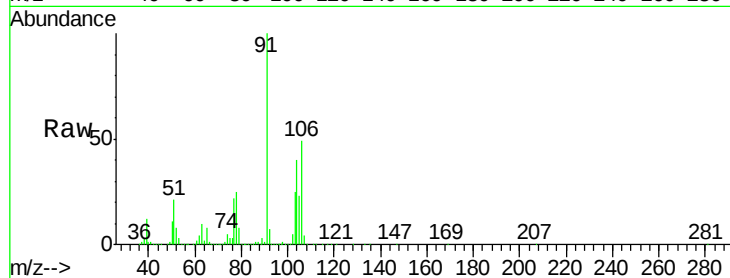
VSTD02505

Tgt Ion:106 Resp: 516578

Ion Ratio Lower Upper

106 100

91 206.1 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

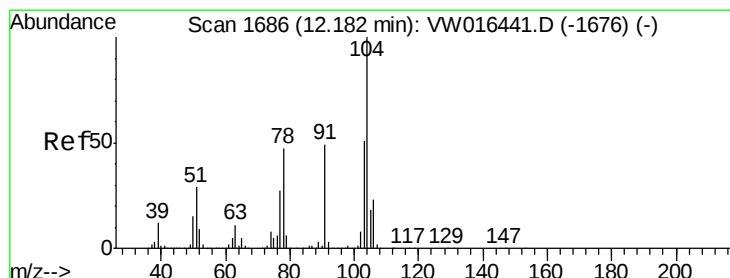
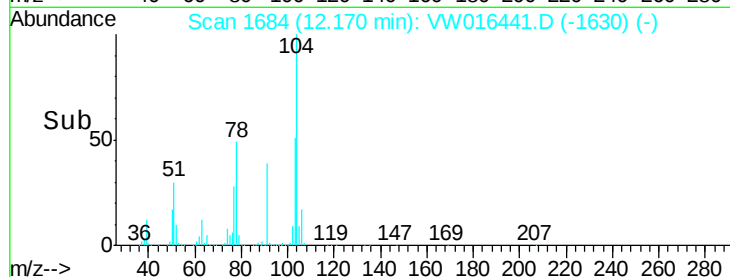
400000

200000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 25.608 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016441.D

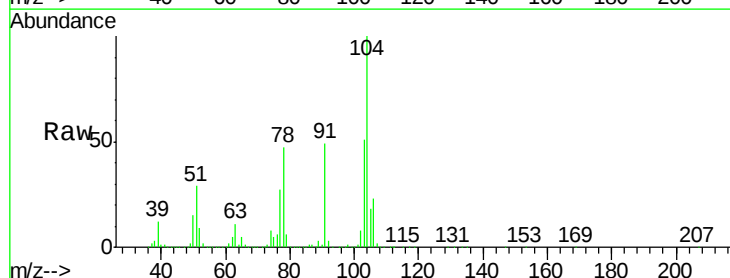
Acq: 03 Sep 2020 12:22

Tgt Ion:104 Resp: 888158

Ion Ratio Lower Upper

104 100

78 46.9 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

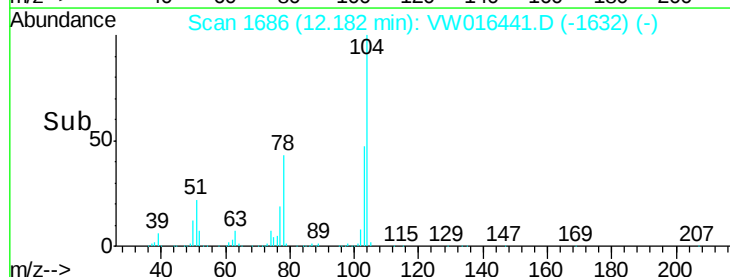
200000

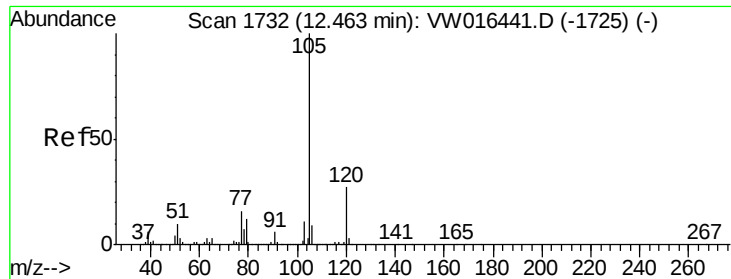
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 24.422 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

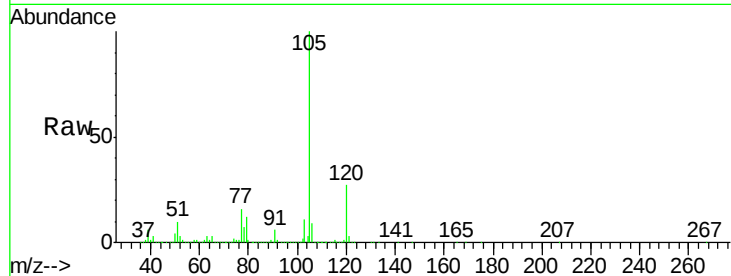
Tgt Ion: 105 Resp: 1394897

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

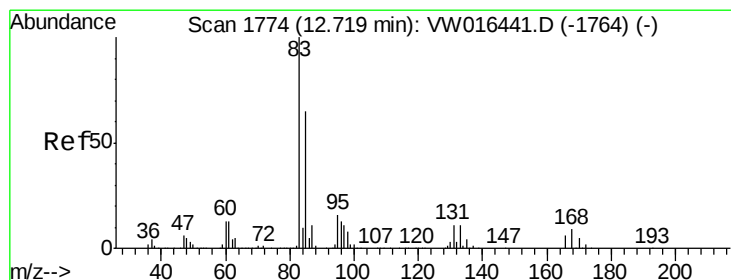
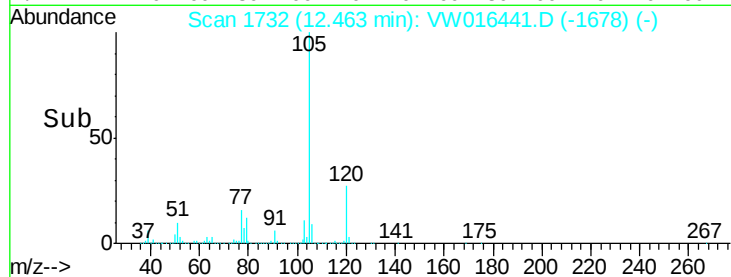
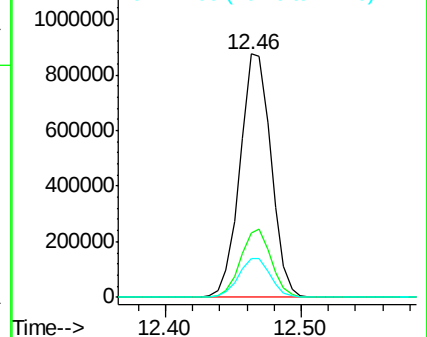
77 16.3 13.0 19.6



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: 25.167 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

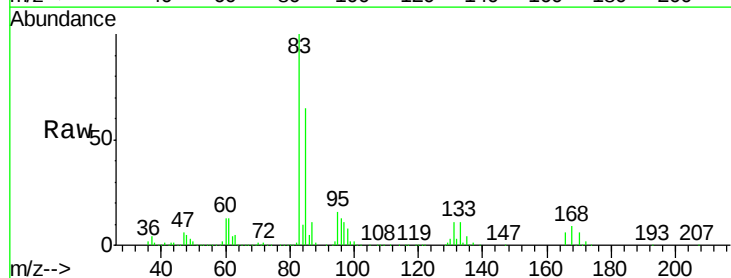
Tgt Ion: 83 Resp: 259699

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

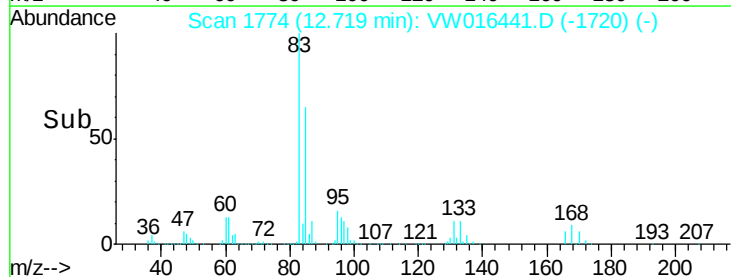
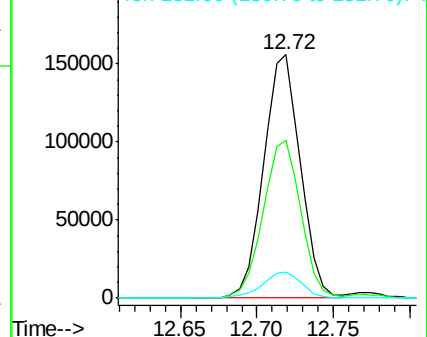
131 10.9 8.7 13.1

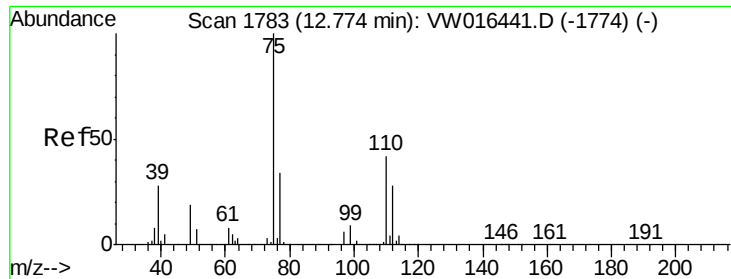


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.301 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

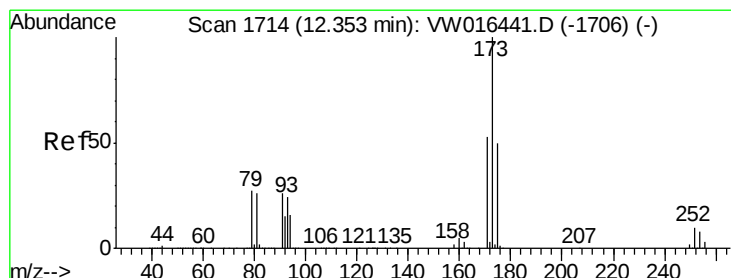
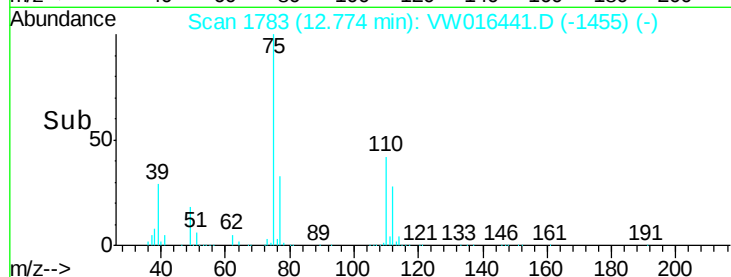
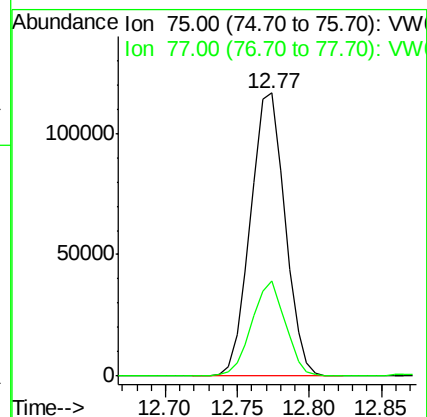
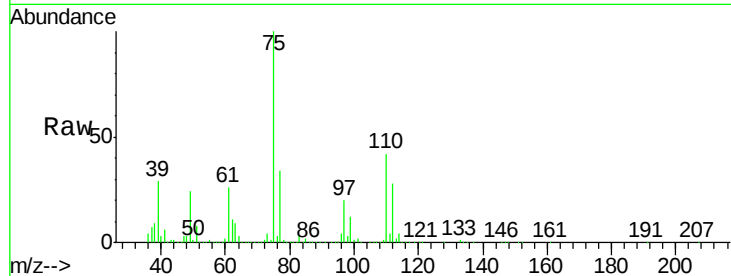
VSTD02505

Tgt Ion: 75 Resp: 193542

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



#62

Bromoform

Concen: 25.899 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

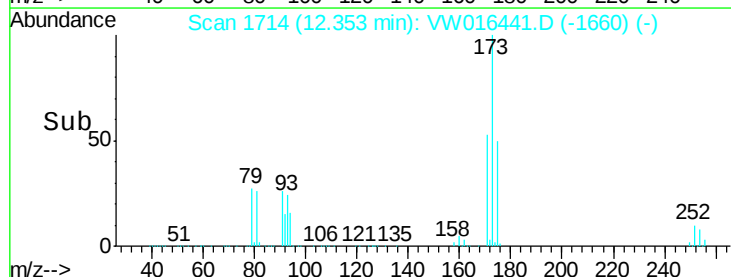
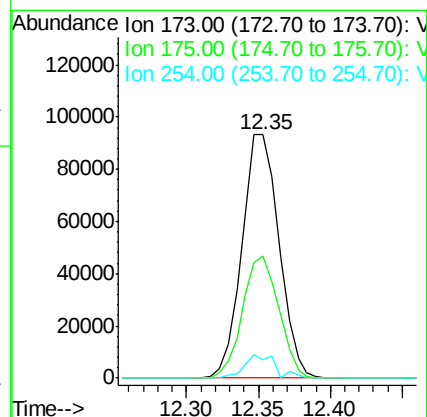
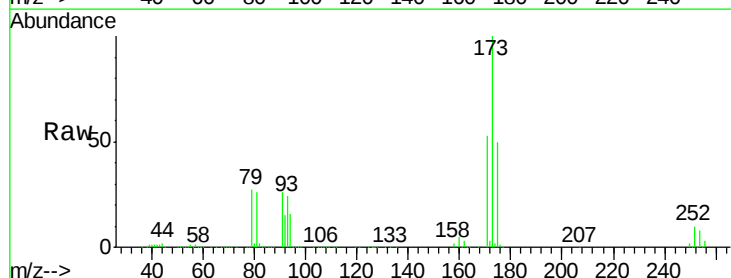
Tgt Ion: 173 Resp: 166165

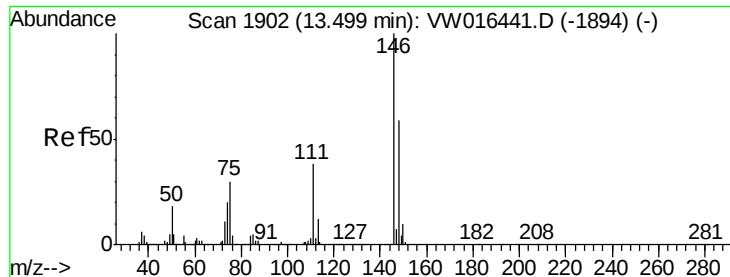
Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

254 7.2 5.8 8.6





#63

1,3-Dichlorobenzene

Concen: 23.453 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

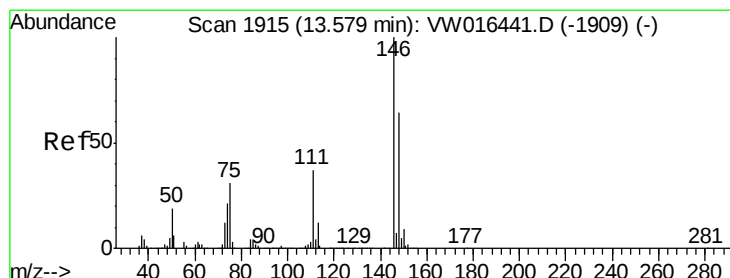
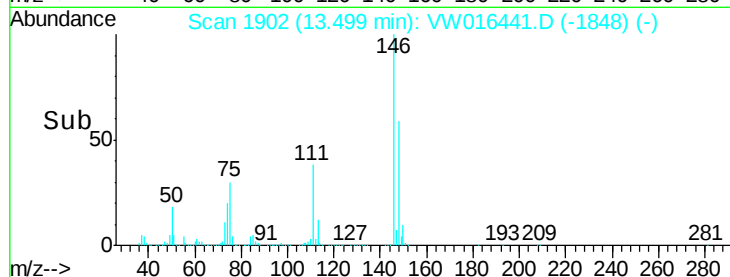
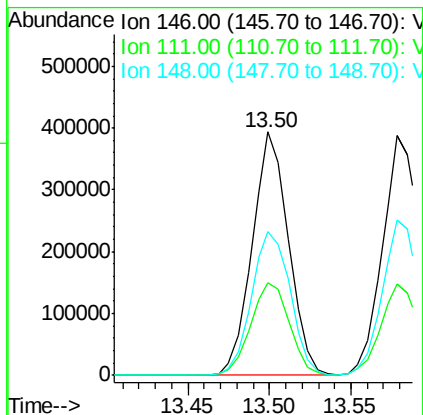
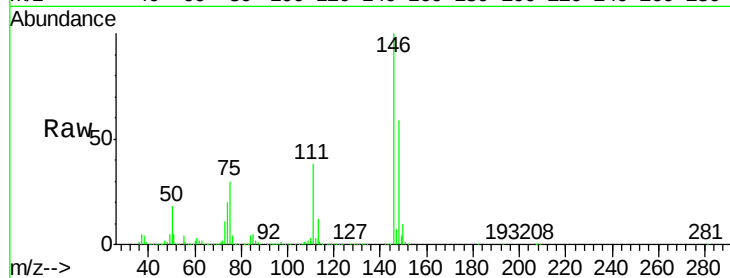
Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion:	146	Resp:	611077
Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.5	49.3
148	59.0	41.3	76.7



#64

1,4-Dichlorobenzene

Concen: 23.413 ug/L

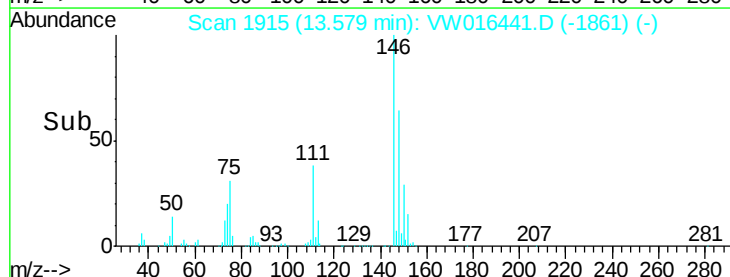
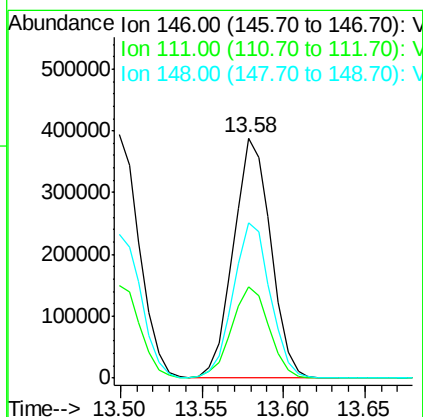
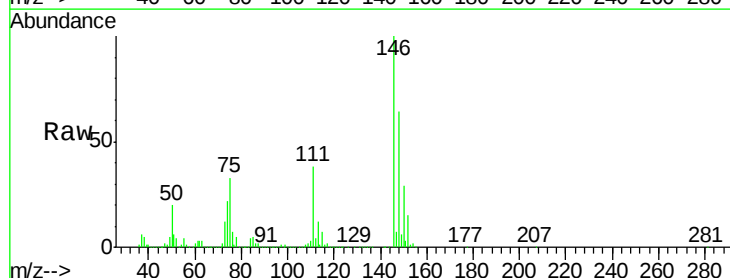
RT: 13.58 min Scan# 1915

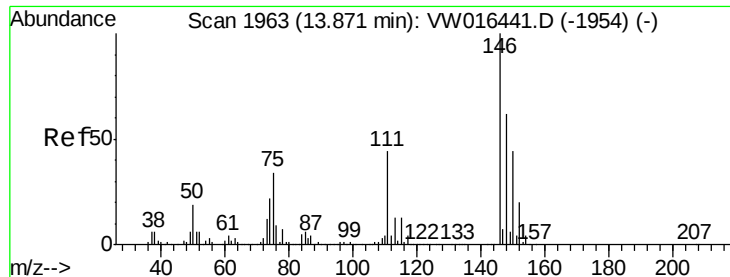
Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Tgt Ion:	146	Resp:	618330
Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	64.5	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 23.909 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

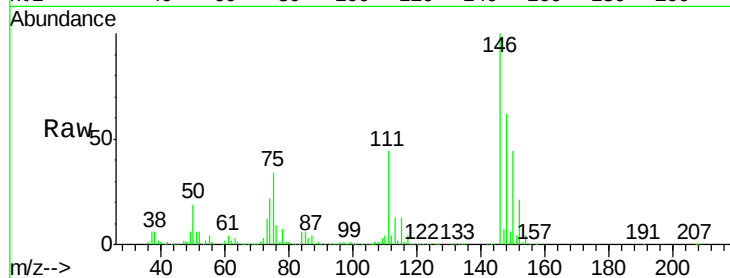
Tgt Ion:146 Resp: 557284

Ion Ratio Lower Upper

146 100

111 44.1 35.3 52.9

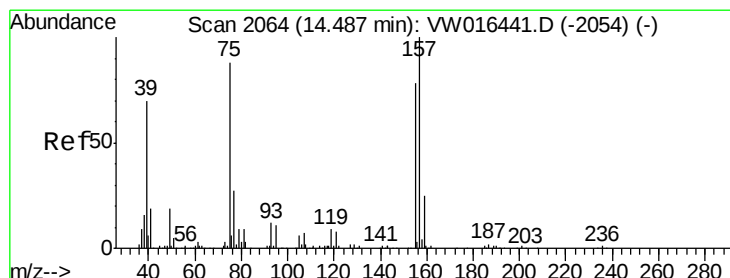
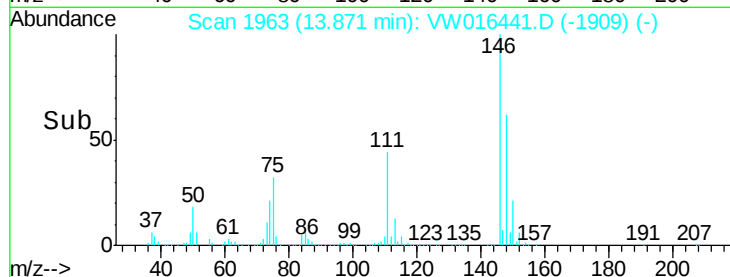
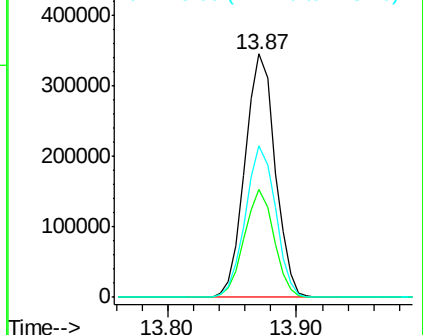
148 62.3 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.334 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

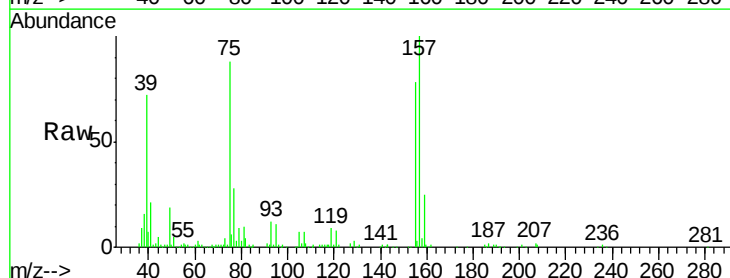
Tgt Ion: 75 Resp: 49072

Ion Ratio Lower Upper

75 100

157 114.2 91.4 137.0

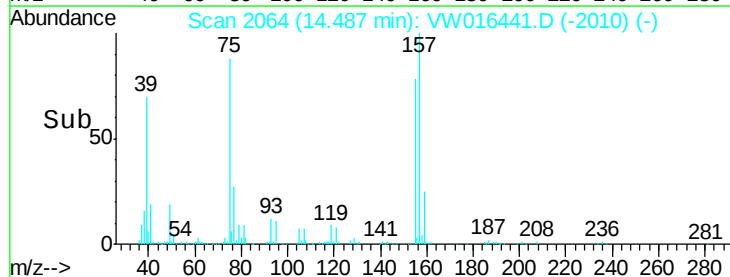
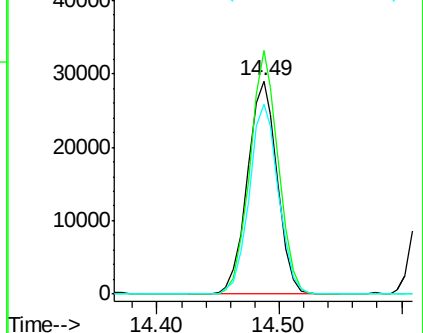
155 89.1 71.3 106.9

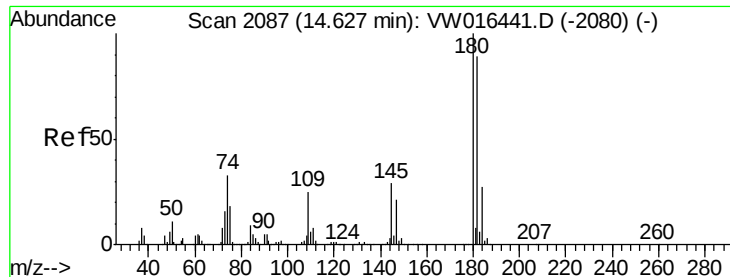


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

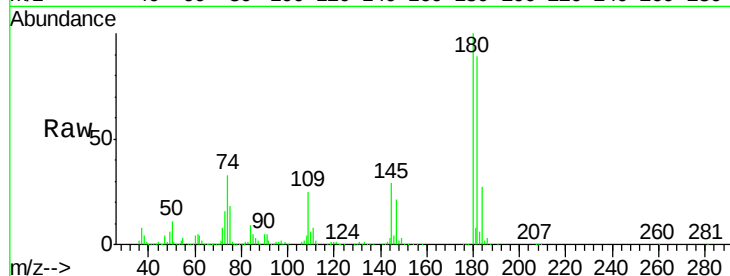




#67
 1,3,5-Trichlorobenzene
 Concen: 24.282 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.2	24.2	36.2
145	30.7	24.6	36.8



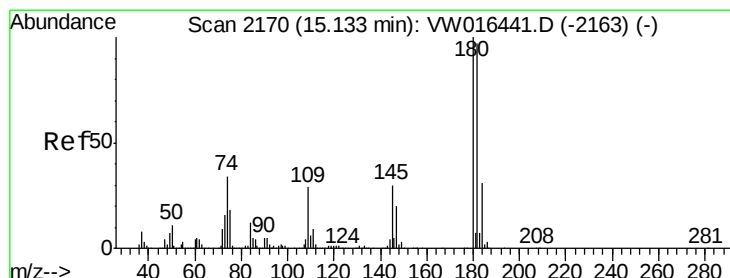
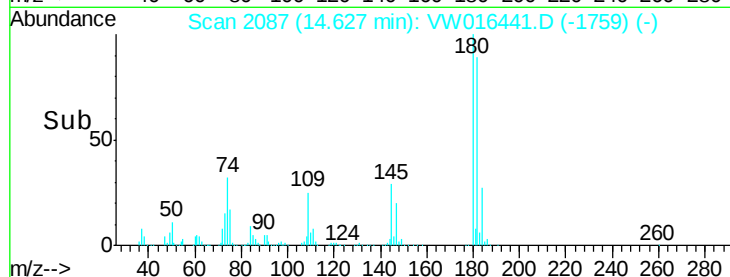
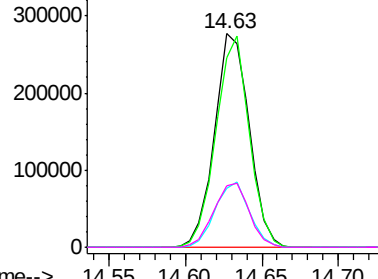
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

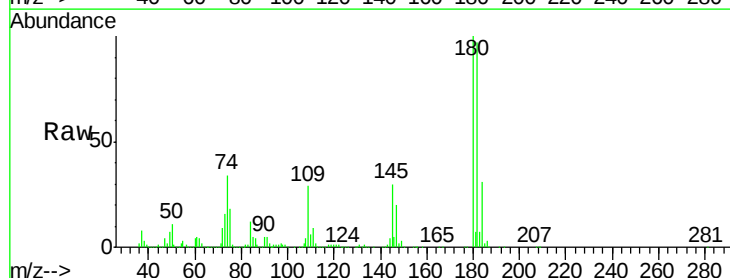
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.301 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016441.D
 Acq: 03 Sep 2020 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	78.5	117.7
145	32.0	25.6	38.4

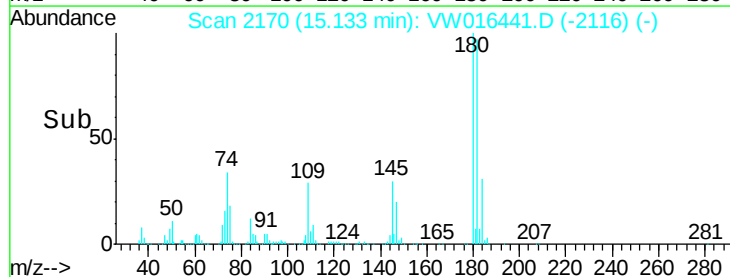
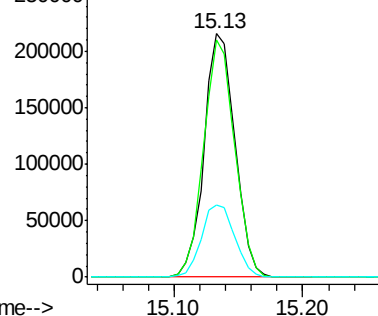


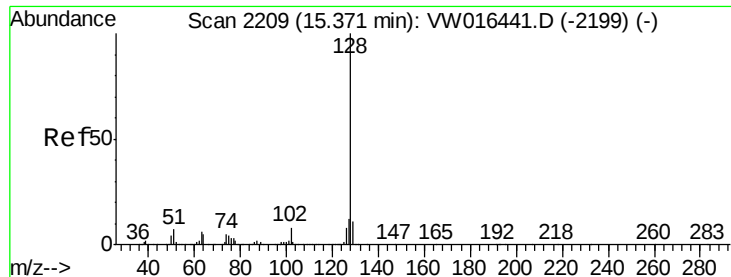
Abundance

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: 28.097 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

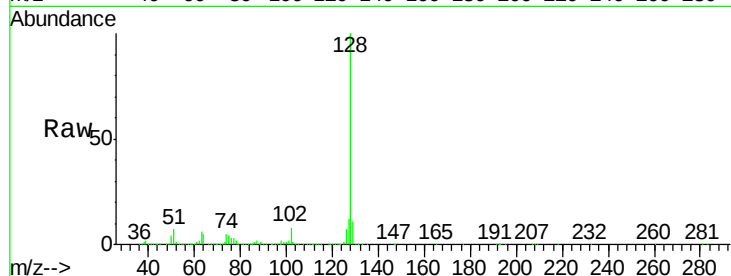
Tgt Ion:128 Resp: 795568

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

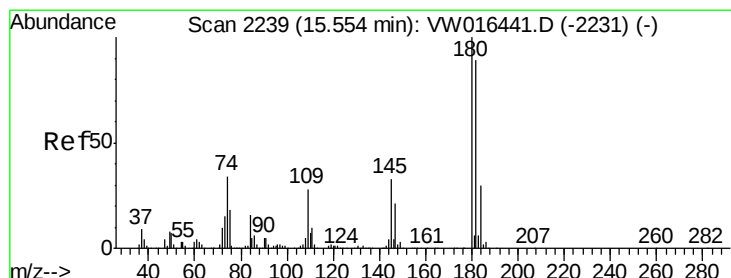
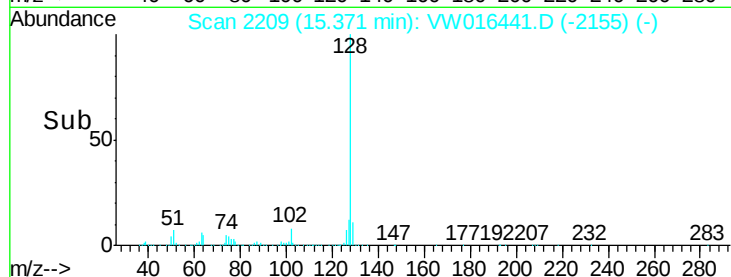
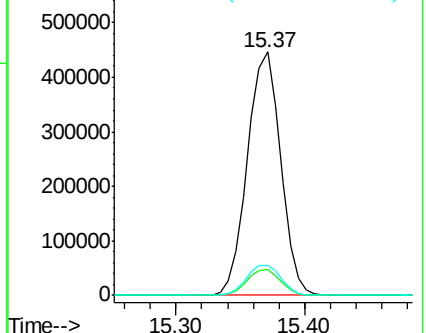
127 13.1 10.5 15.7



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: 24.984 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016441.D

Acq: 03 Sep 2020 12:22

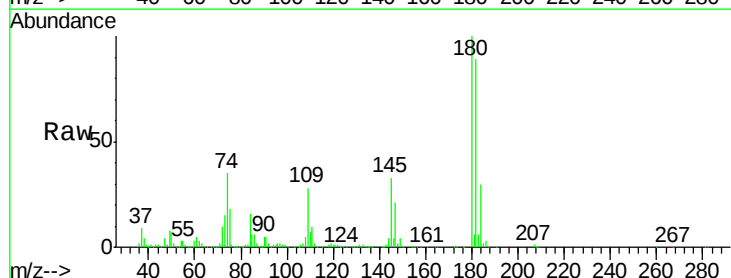
Tgt Ion:180 Resp: 311885

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 35.1 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

