

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090320\
 Data File : VW016440.D
 Acq On : 03 Sep 2020 11:58
 Operator : SY/VA
 Sample : VSTD00504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Quant Time: Sep 03 13:33:49 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	951923	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	866705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	408159	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	55417	5.39	ug/L	0.00
7) Chloroethane-d5	2.90	69	50206	6.19	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	123508	5.10	ug/L	0.00
20) 2-Butanone-d5	7.08	46	34557	11.40	ug/L	0.00
24) Chloroform-d	7.65	84	112653	4.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	61701	4.86	ug/L	0.00
29) Benzene-d6	8.28	84	222865	4.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	63531	4.72	ug/L	0.00
37) Toluene-d8	10.33	98	211841	4.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	32799	5.04	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	24191	10.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	52208	4.69	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	70147	4.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	51642	4.838 ug/L	98
3) Chloromethane	2.22	50	44428	5.142 ug/L	99
5) Vinyl chloride	2.37	62	58734	5.096 ug/L	100
6) Bromomethane	2.79	94	42879	5.562 ug/L	99
8) Chloroethane	2.93	64	34749	5.307 ug/L	90
9) Trichlorofluoromethane	3.26	101	44809	3.810 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	53743	4.134 ug/L #	87
12) 1,1-Dichloroethene	4.04	96	57415	4.532 ug/L #	80
13) Acetone	4.13	43	22472	9.588 ug/L	98
14) Carbon disulfide	4.39	76	177731	4.692 ug/L	98
15) Methyl Acetate	4.68	43	27735	5.613 ug/L	99
16) Methylene chloride	4.92	84	75274	4.323 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	90000	4.876 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	62300	4.680 ug/L	98
19) 1,1-Dichloroethane	6.23	63	105449	4.792 ug/L	96
21) 2-Butanone	7.18	43	42545	12.186 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	63388	4.538 ug/L	94
23) Bromochloromethane	7.52	128	30324	4.751 ug/L	97
25) Chloroform	7.68	83	109992	4.691 ug/L	98
27) 1,2-Dichloroethane	8.40	62	73116	4.916 ug/L	98
30) Cyclohexane	7.96	56	103690	5.355 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	93696	4.529 ug/L	99
32) Carbon tetrachloride	8.07	117	89116	4.511 ug/L	96
34) Benzene	8.33	78	237135	4.747 ug/L	100
35) Trichloroethene	9.09	95	63235	4.479 ug/L	98
36) Methylcyclohexane	9.34	83	112383	4.832 ug/L	97
40) 1,2-Dichloropropane	9.37	63	58016	4.893 ug/L #	96
41) Bromodichloromethane	9.65	83	81636	4.902 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	98387	5.073 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	79859	10.916 ug/L	98

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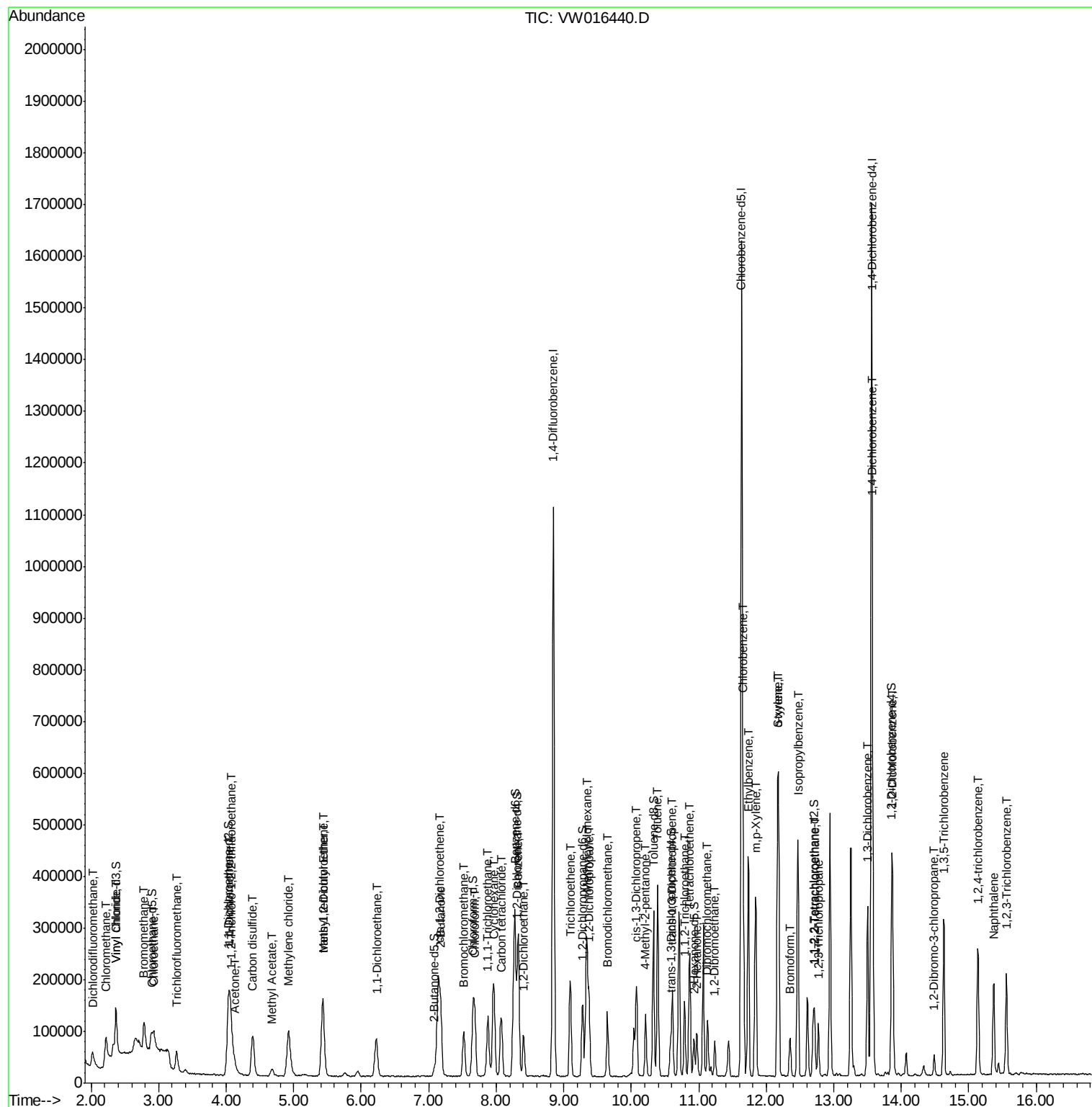
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	263810	4.830	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	86331	5.019	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	45792	4.737	ug/L	98
47) Tetrachloroethene	10.87	164	50981	4.579	ug/L	89
49) 2-Hexanone	10.97	43	54691	11.441	ug/L	99
50) Dibromochloromethane	11.13	129	57055	4.728	ug/L	98
51) 1,2-Dibromoethane	11.24	107	46027	4.845	ug/L	99
52) Chlorobenzene	11.66	112	164284	4.544	ug/L	98
53) Ethylbenzene	11.73	91	295774	4.737	ug/L	100
54) m,p-Xylene	11.84	106	112815	4.718	ug/L	98
55) o-xylene	12.17	106	107404	4.763	ug/L	89
56) Styrene	12.18	104	183831	4.850	ug/L	98
57) Isopropylbenzene	12.47	105	300053	4.807	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	53728	4.765	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	40155	4.804	ug/L	99
62) Bromoform	12.35	173	32840	4.870	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	127730	4.665	ug/L	88
64) 1,4-Dichlorobenzene	13.58	146	128358	4.625	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	118726	4.847	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	10350	5.285	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	87296	4.618	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	78282	5.243	ug/L	98
69) Naphthalene	15.37	128	155491	5.225	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	65168	4.967	ug/L	99

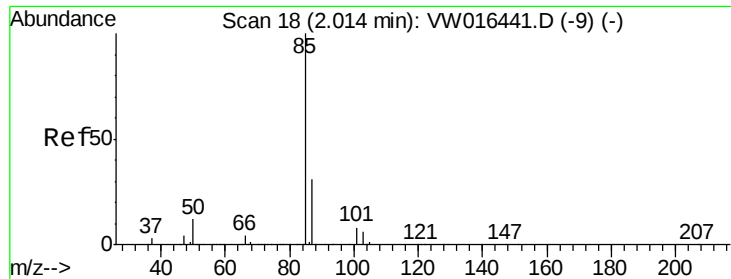
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.838 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

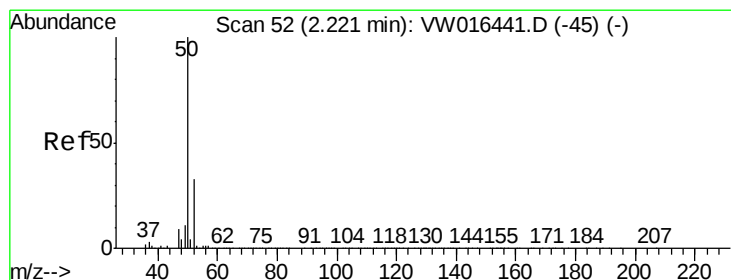
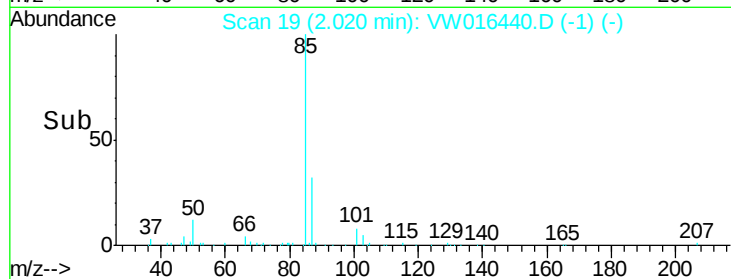
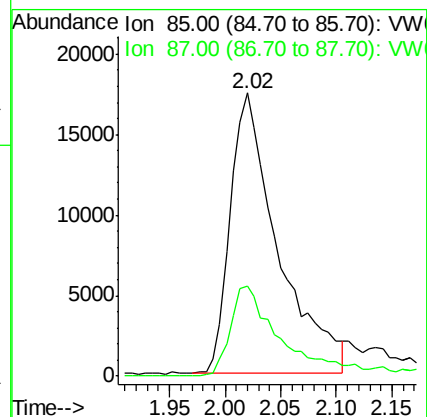
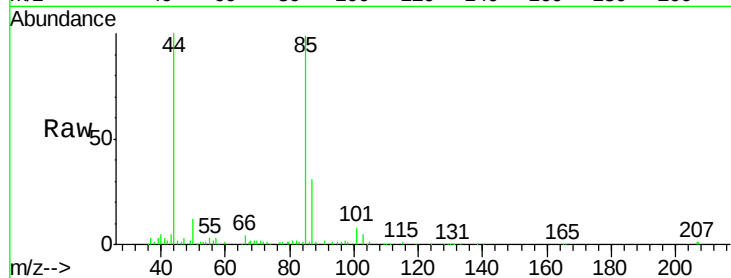
VSTD00504

Tgt Ion: 85 Resp: 51642

Ion Ratio Lower Upper

85 100

87 33.0 22.3 41.5



#3

Chloromethane

Concen: 5.142 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016440.D

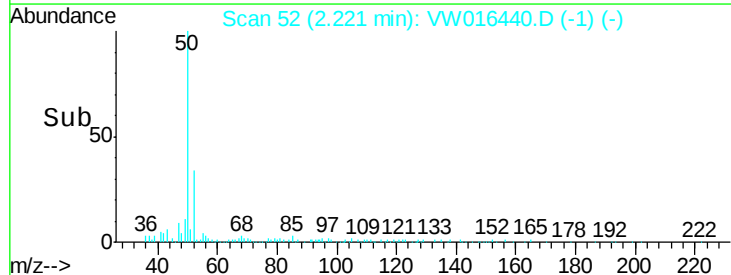
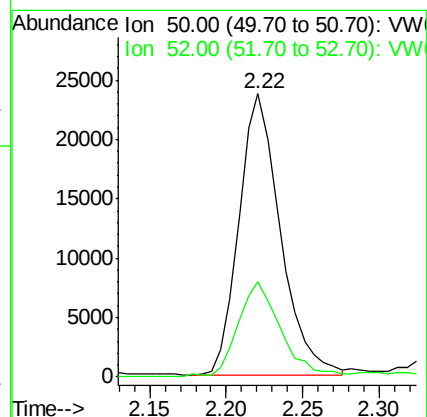
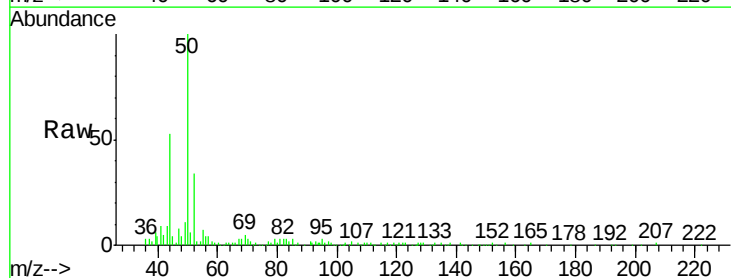
Acq: 03 Sep 2020 11:58

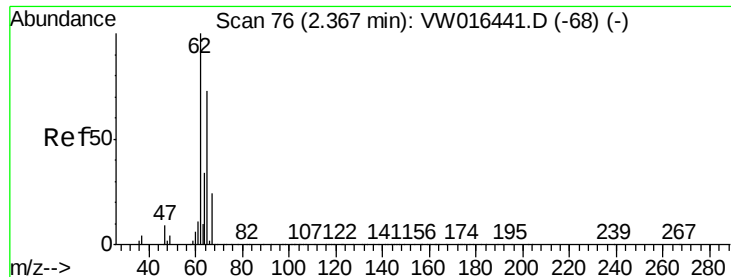
Tgt Ion: 50 Resp: 44428

Ion Ratio Lower Upper

50 100

52 33.5 23.0 42.6





#5

Vinyl chloride

Concen: 5.096 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

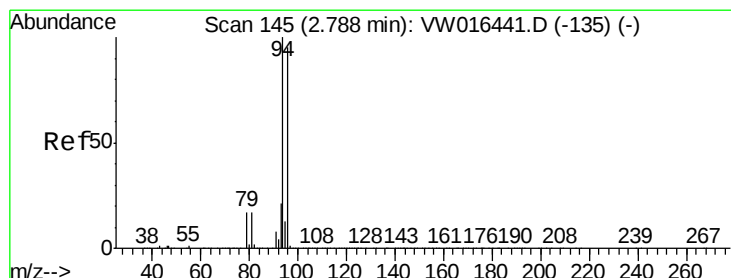
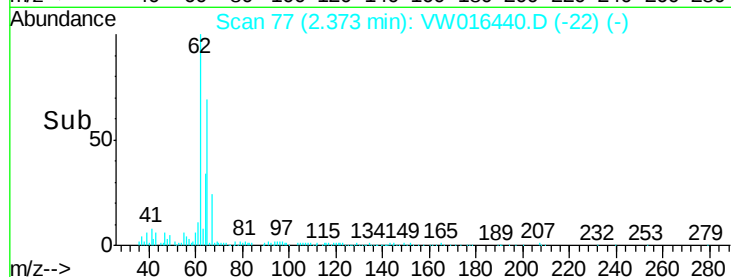
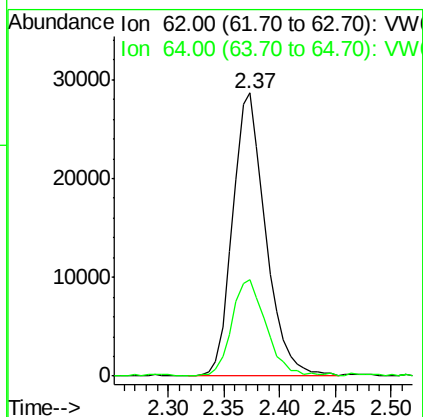
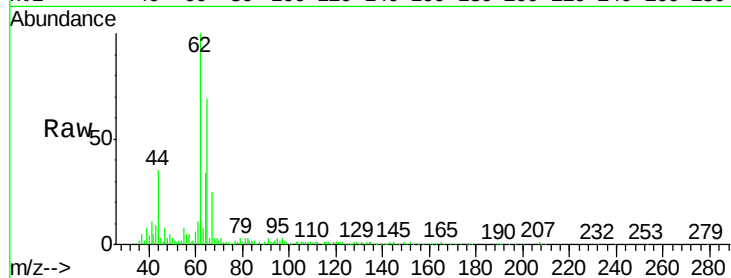
VSTD00504

Tgt Ion: 62 Resp: 58734

Ion Ratio Lower Upper

62 100

64 34.3 23.9 44.5



#6

Bromomethane

Concen: 5.562 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016440.D

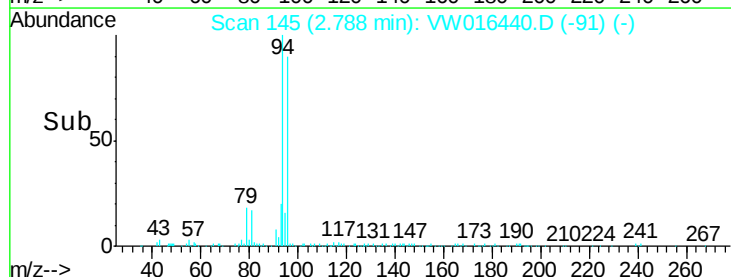
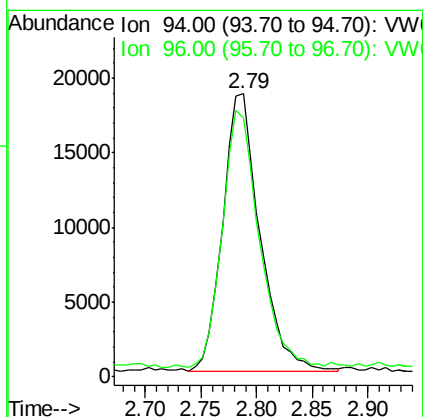
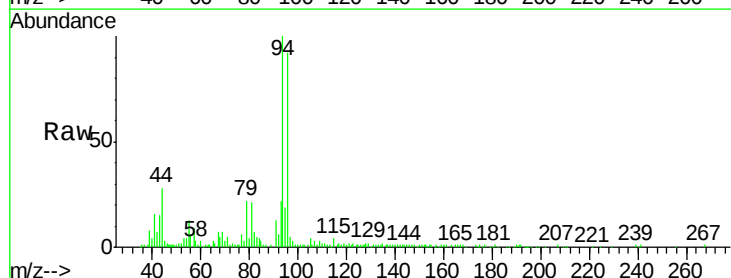
Acq: 03 Sep 2020 11:58

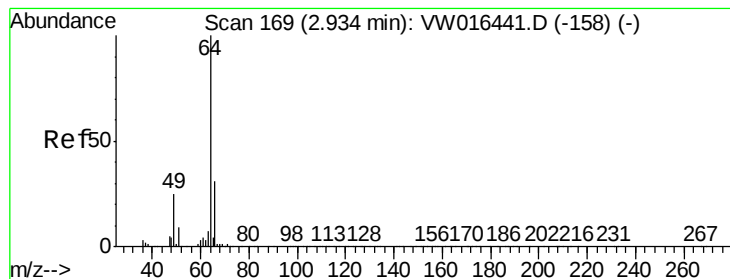
Tgt Ion: 94 Resp: 42879

Ion Ratio Lower Upper

94 100

96 95.1 9.4 178.2





#8

Chloroethane

Concen: 5.307 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

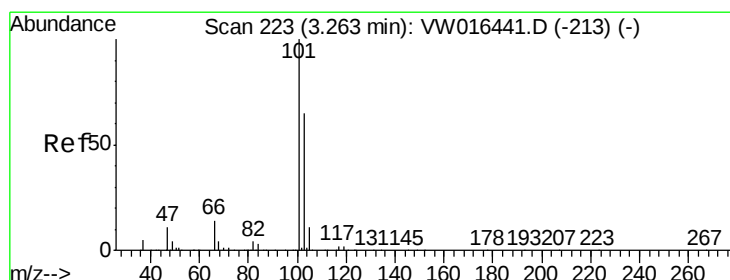
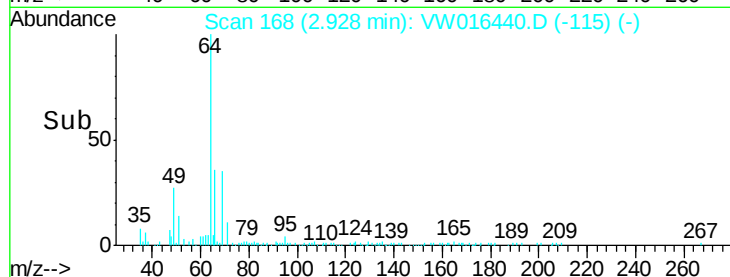
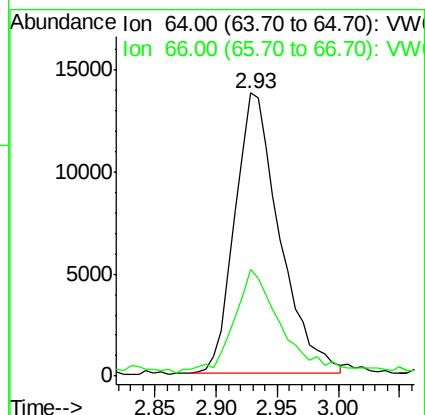
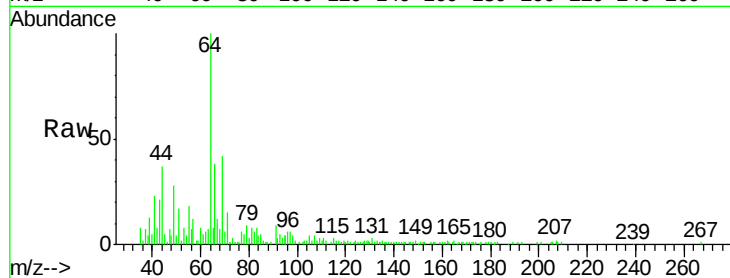
VSTD00504

Tgt Ion: 64 Resp: 34749

Ion Ratio Lower Upper

64 100

66 37.7 22.4 41.6



#9

Trichlorofluoromethane

Concen: 3.810 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016440.D

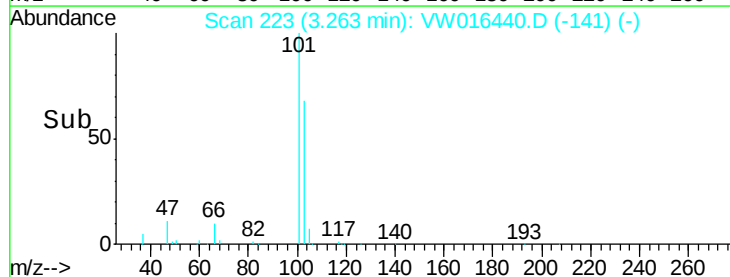
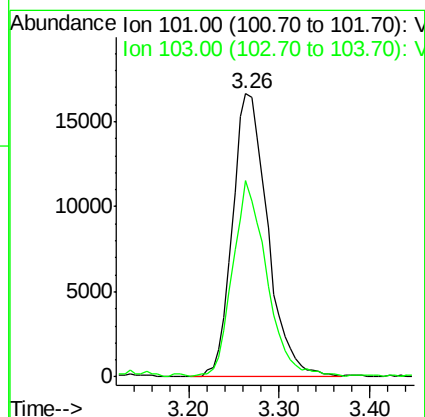
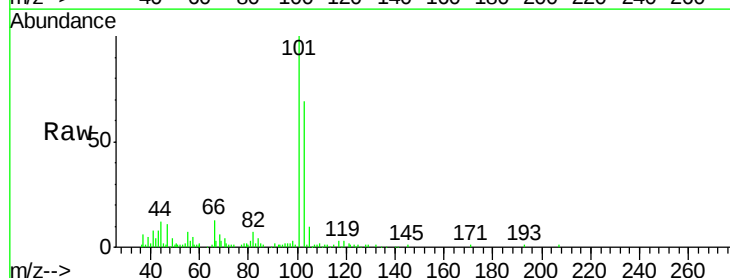
Acq: 03 Sep 2020 11:58

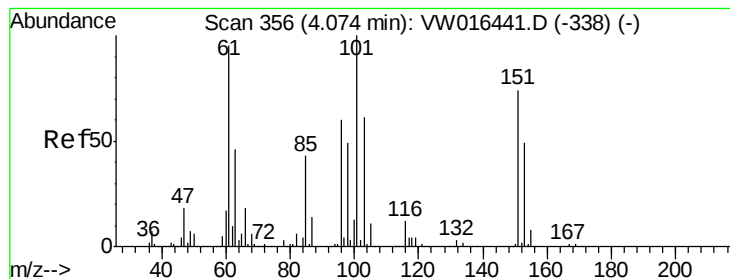
Tgt Ion: 101 Resp: 44809

Ion Ratio Lower Upper

101 100

103 66.1 45.1 83.7





#11

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

Concen: 4.134 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

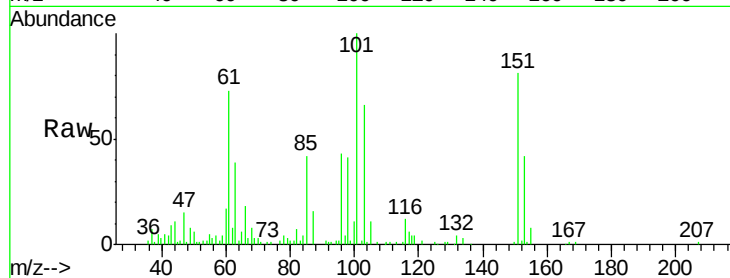
Tgt Ion: 101 Resp: 53743

Ion Ratio Lower Upper

101 100

85 23.0 33.4 50.0#

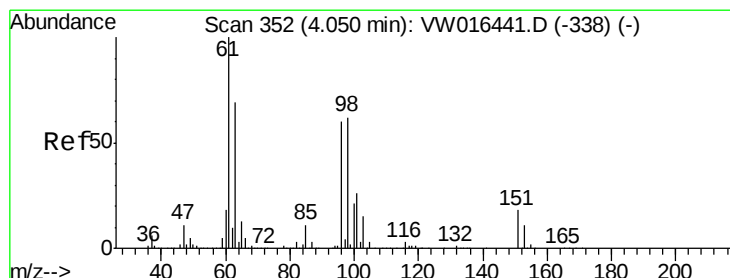
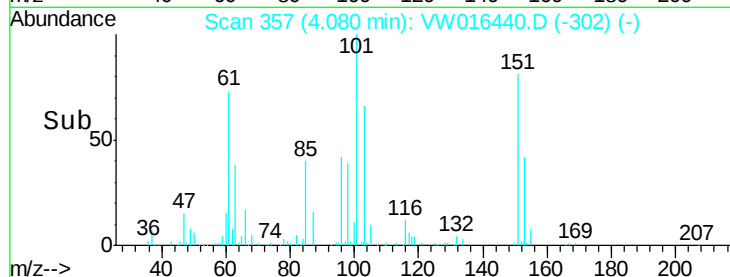
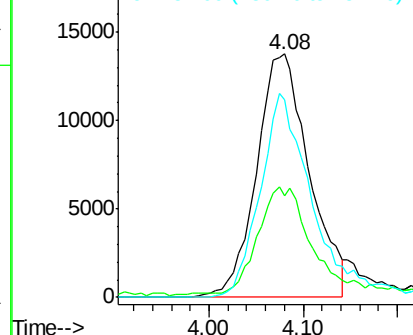
151 80.6 61.6 92.4



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: 4.532 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

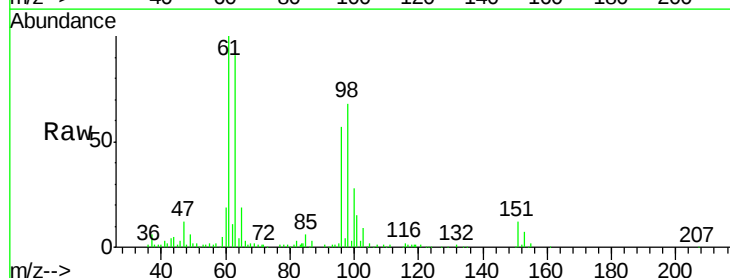
Tgt Ion: 96 Resp: 57415

Ion Ratio Lower Upper

96 100

61 175.5 116.5 216.3

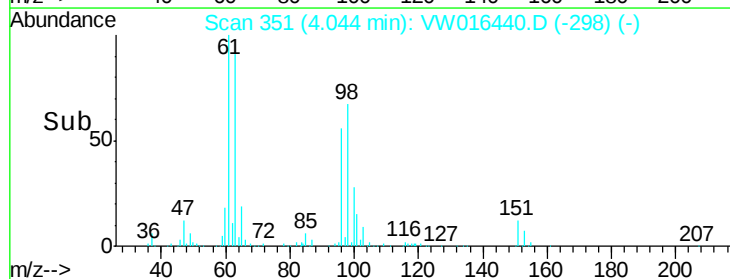
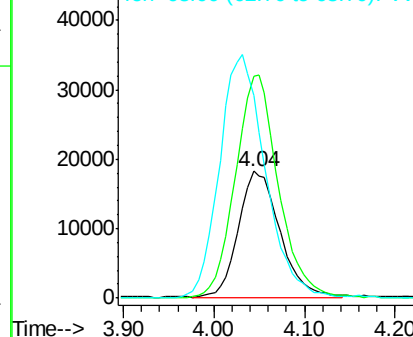
63 159.6 81.1 150.5#

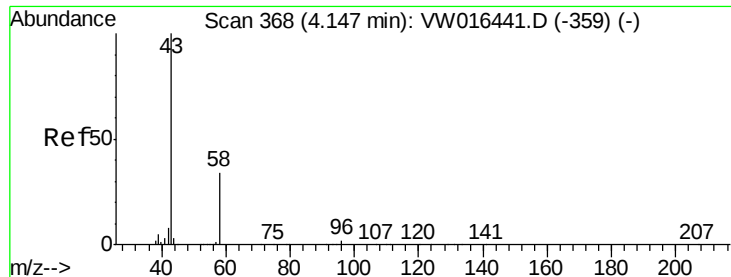


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.588 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

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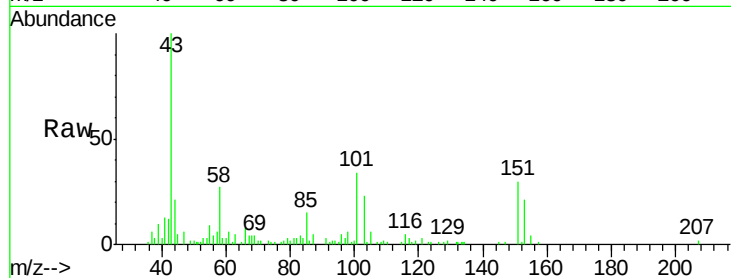
VSTD00504

Tgt Ion: 43 Resp: 22472

Ion Ratio Lower Upper

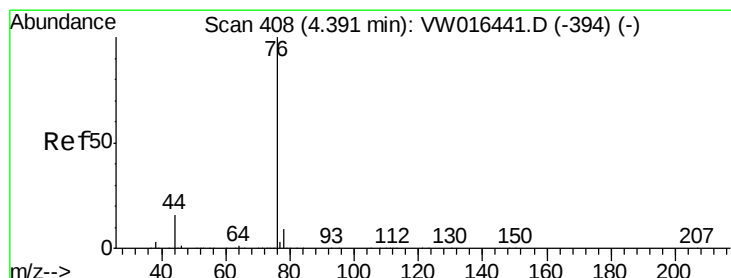
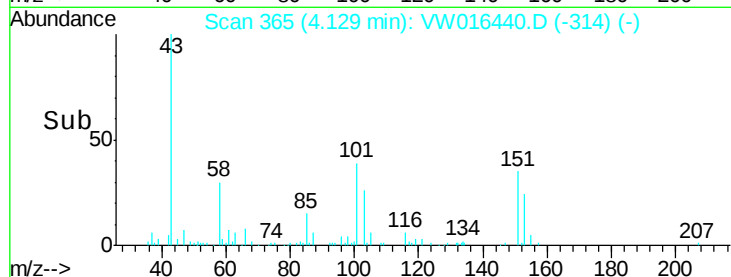
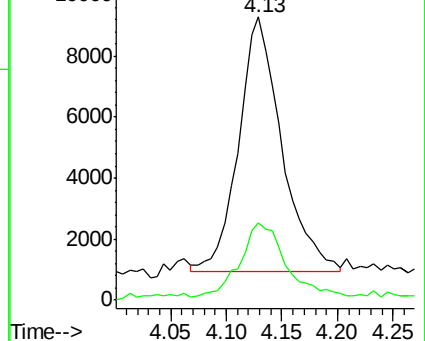
43 100

58 30.2 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.692 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016440.D

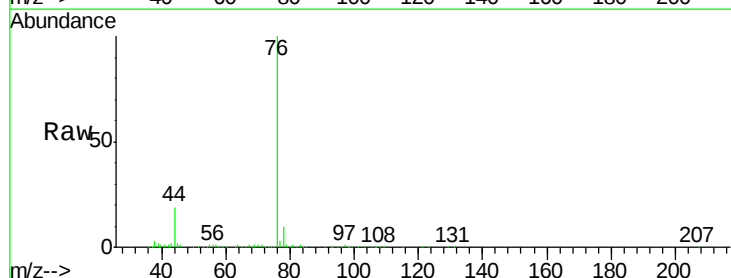
Acq: 03 Sep 2020 11:58

Tgt Ion: 76 Resp: 177731

Ion Ratio Lower Upper

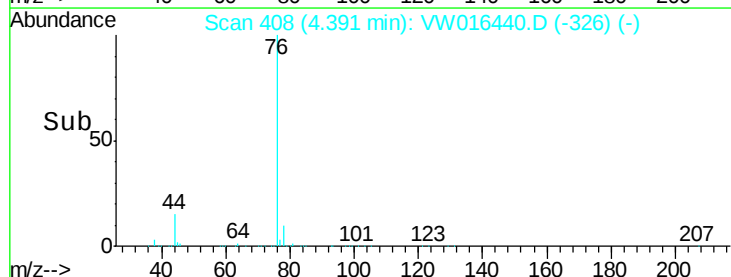
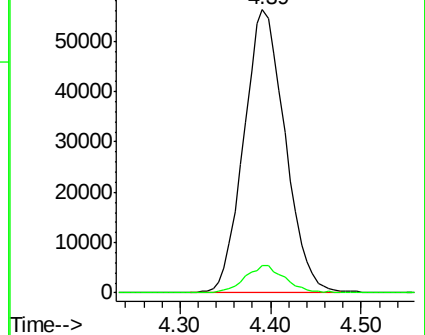
76 100

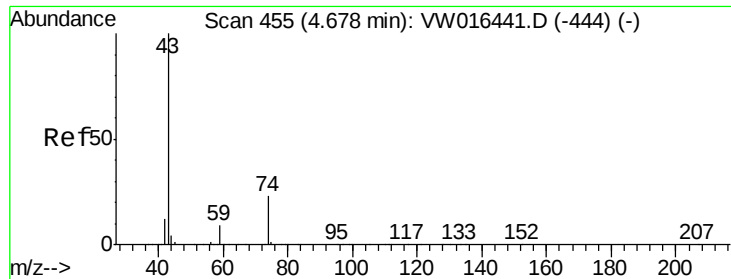
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

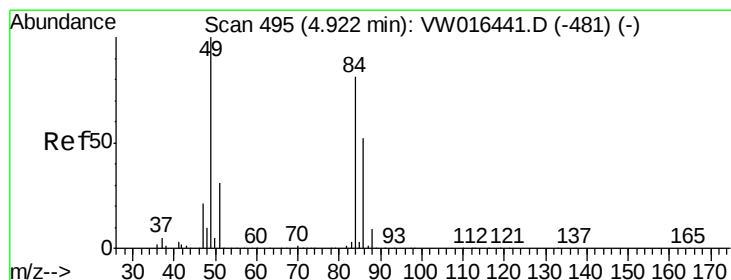
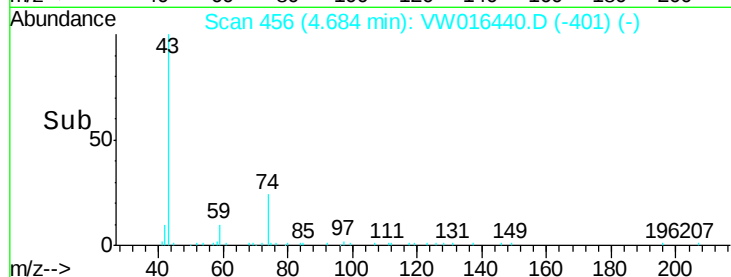
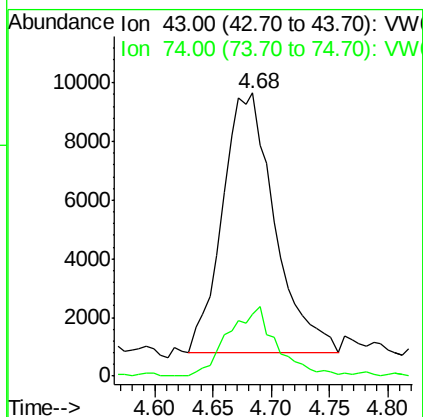
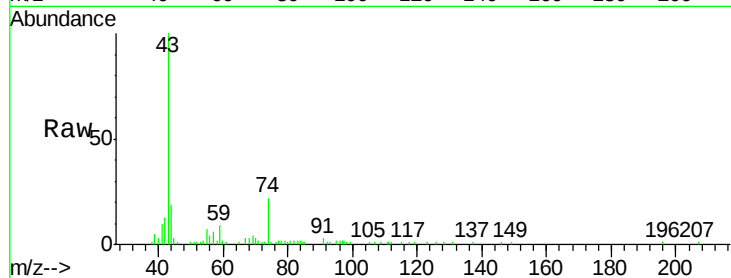




#15
Methyl Acetate
Concen: 5.613 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

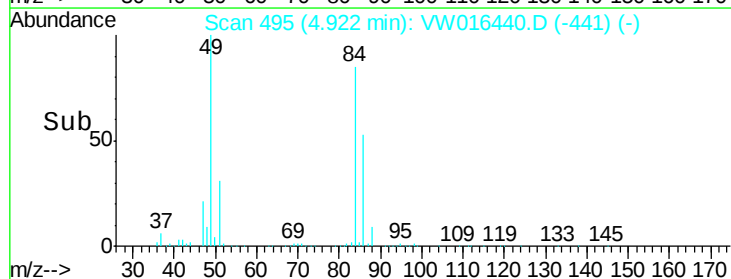
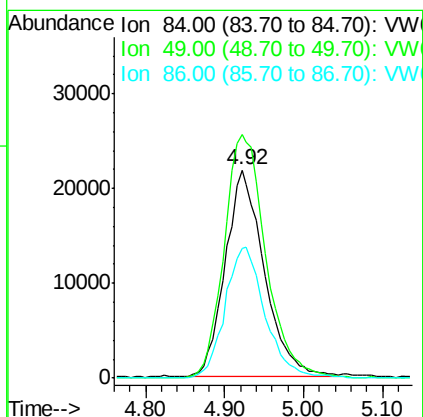
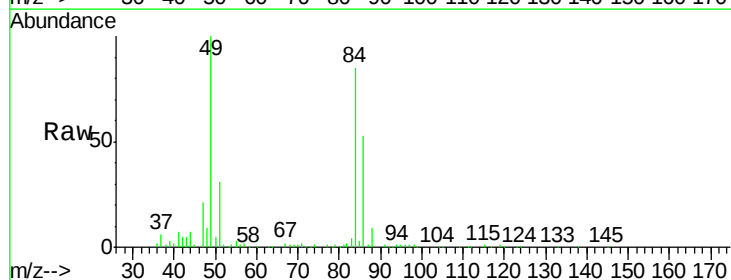
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

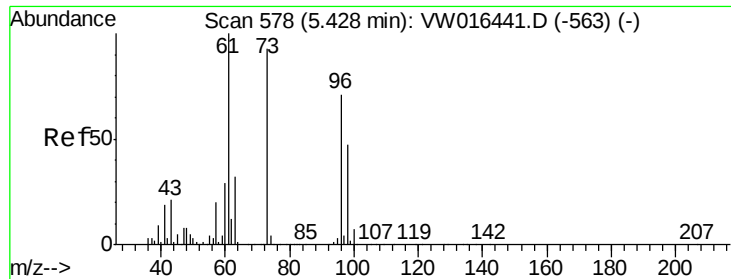
Tgt Ion: 43 Resp: 27735
Ion Ratio Lower Upper
43 100
74 24.1 18.9 28.3



#16
Methylene chloride
Concen: 4.323 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

Tgt Ion: 84 Resp: 75274
Ion Ratio Lower Upper
84 100
49 117.1 86.7 160.9
86 62.7 44.9 83.5

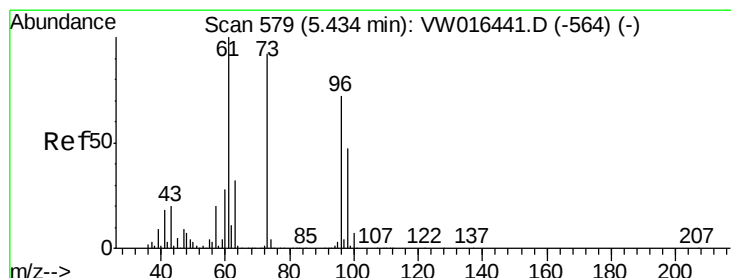
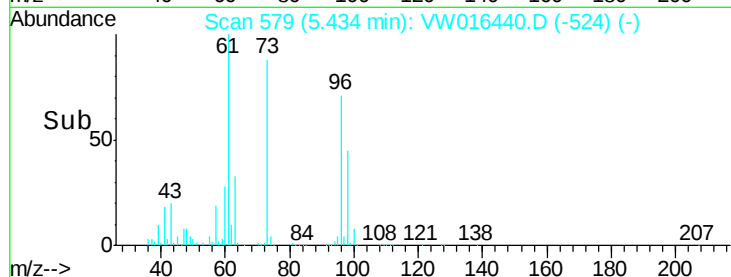
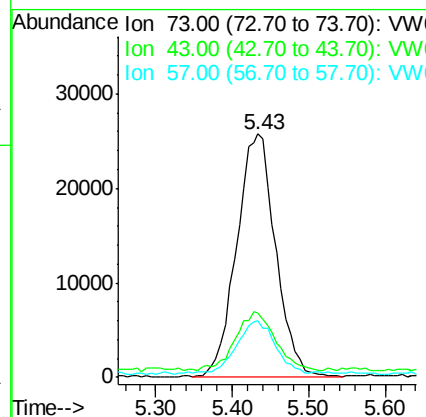
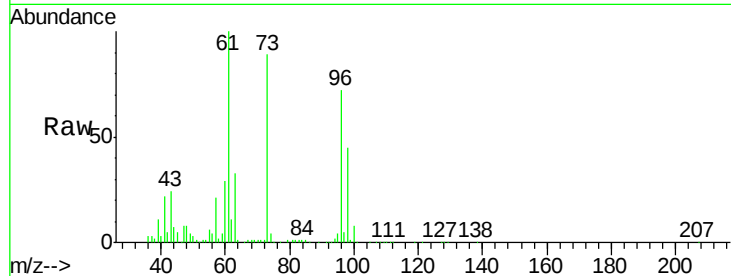




#17
Methyl tert-butyl Ether
Concen: 4.876 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

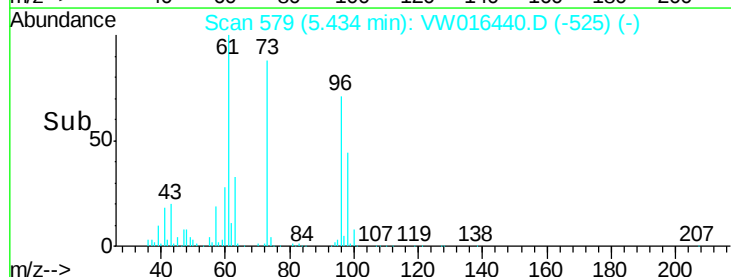
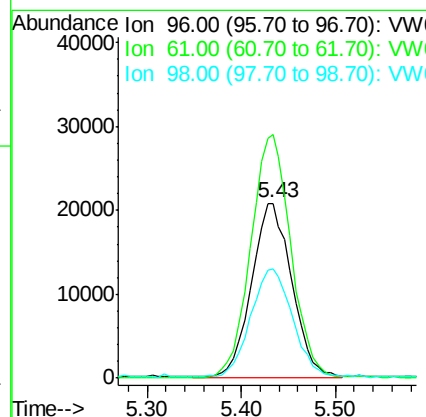
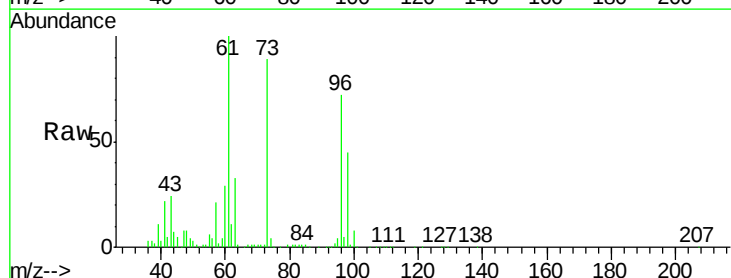
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

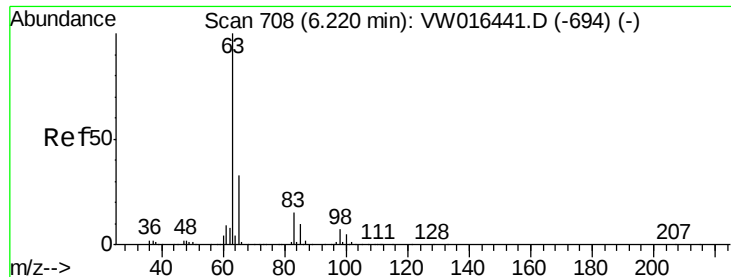
Tgt Ion: 73 Resp: 90000
Ion Ratio Lower Upper
73 100
43 24.0 17.9 26.9
57 20.9 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.680 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

Tgt Ion: 96 Resp: 62300
Ion Ratio Lower Upper
96 100
61 139.4 96.4 179.0
98 62.3 45.1 83.7

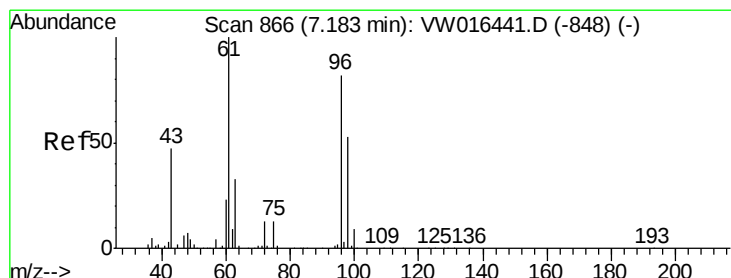
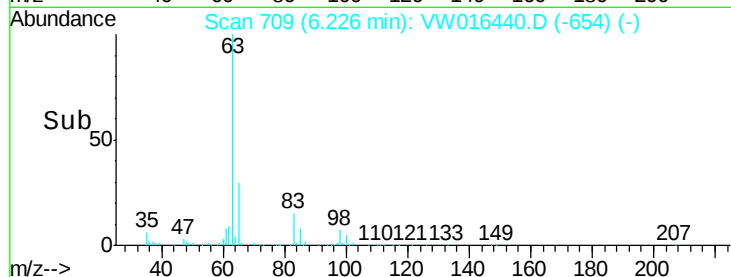
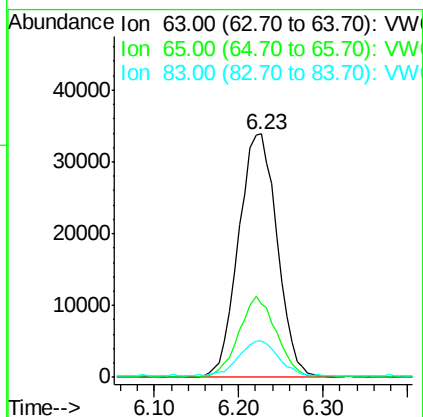
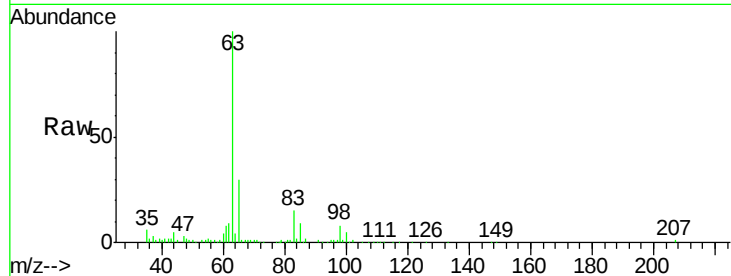




#19
 1,1-Dichloroethane
 Concen: 4.792 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

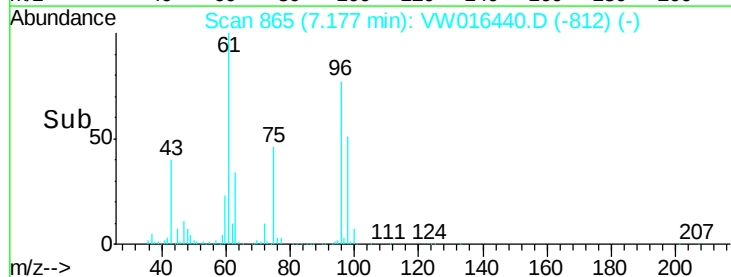
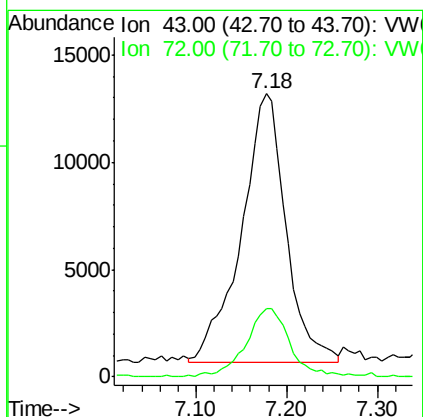
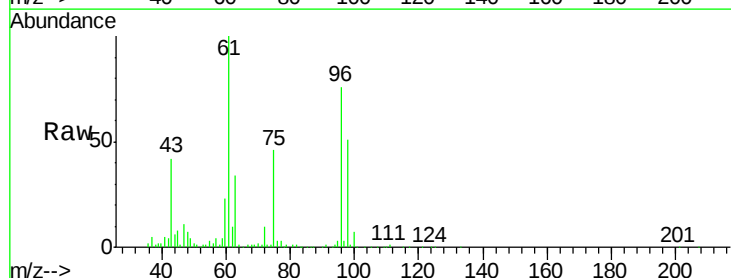
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

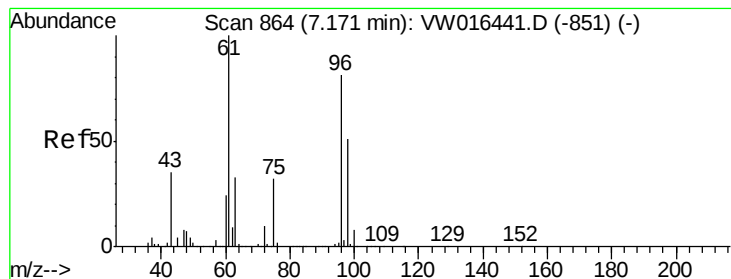
Tgt Ion: 63 Resp: 105449
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.3 43.3
 83 14.8 10.3 19.1



#21
 2-Butanone
 Concen: 12.186 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Tgt Ion: 43 Resp: 42545
 Ion Ratio Lower Upper
 43 100
 72 23.9 13.5 40.4



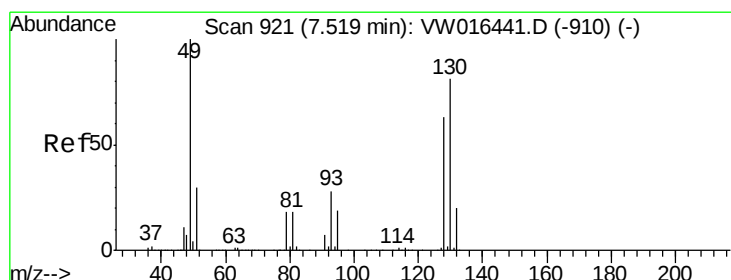
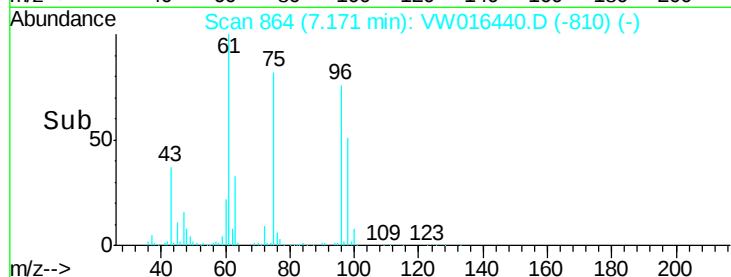
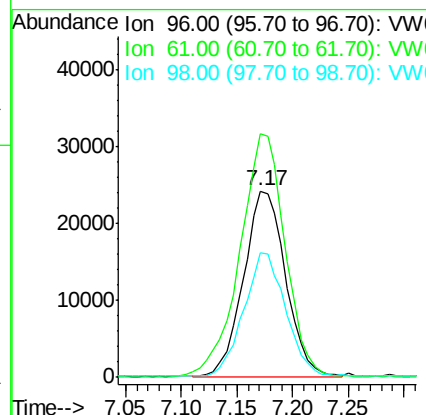
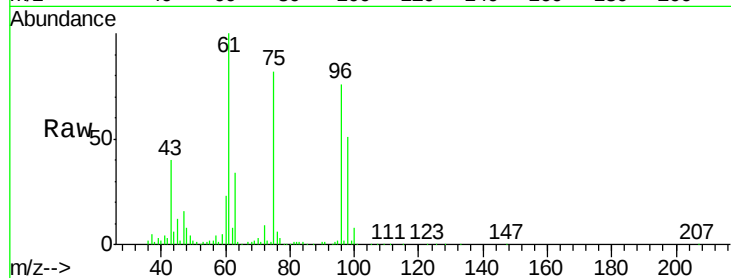


#22

cis-1,2-Dichloroethene
 Concen: 4.538 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

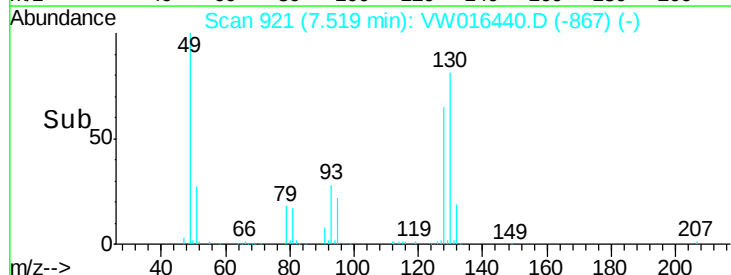
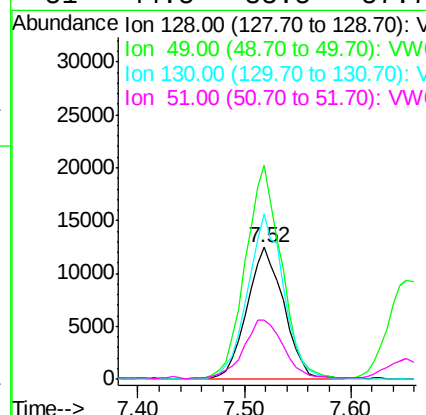
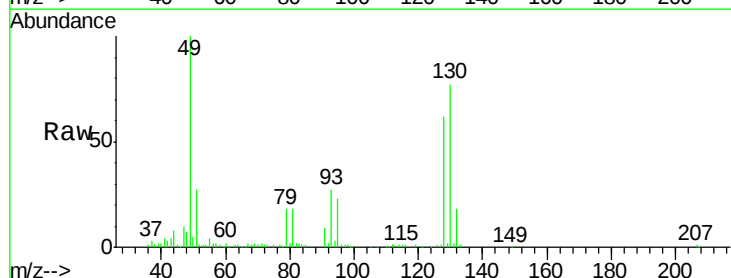
Tgt Ion: 96 Resp: 63388
 Ion Ratio Lower Upper
 96 100
 61 130.9 86.1 159.9
 98 67.1 44.1 81.9

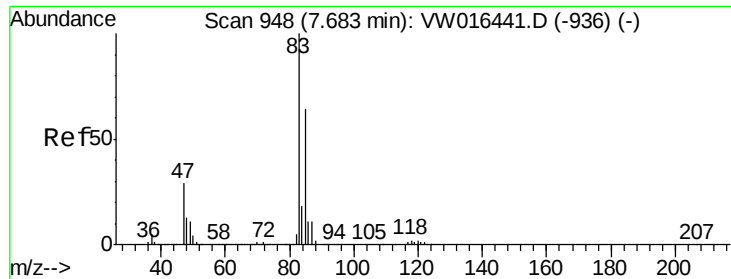


#23

Bromochloromethane
 Concen: 4.751 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Tgt Ion: 128 Resp: 30324
 Ion Ratio Lower Upper
 128 100
 49 162.0 111.6 207.4
 130 125.1 90.9 168.7
 51 44.5 38.5 57.7





#25

Chloroform

Concen: 4.691 ug/L

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

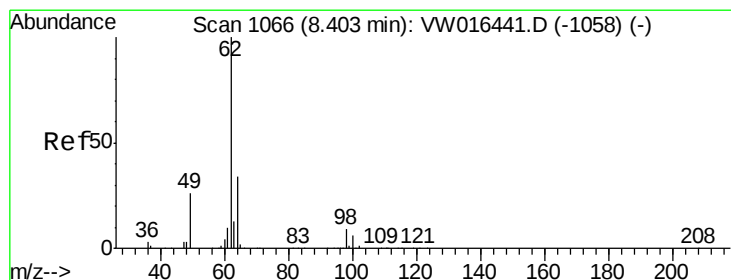
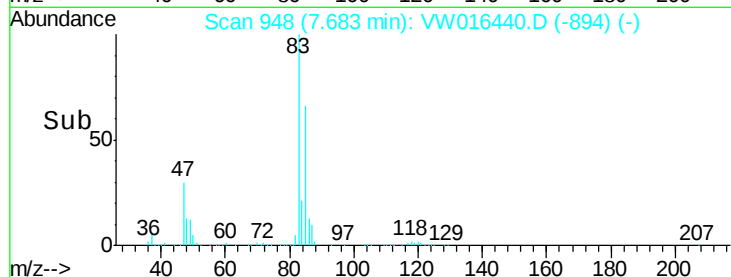
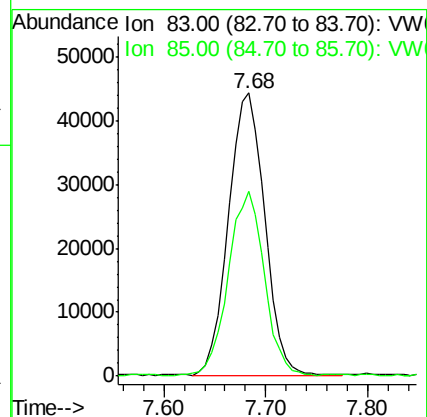
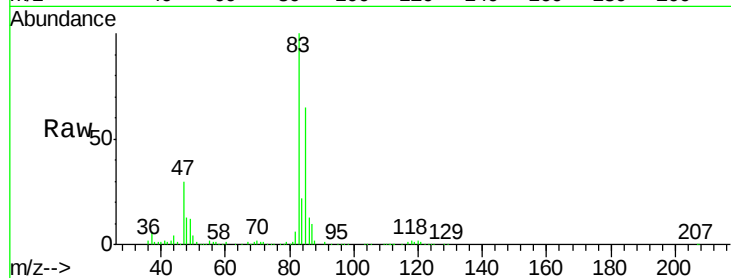
VSTD00504

Tgt Ion: 83 Resp: 109992

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8



#27

1,2-Dichloroethane

Concen: 4.916 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016440.D

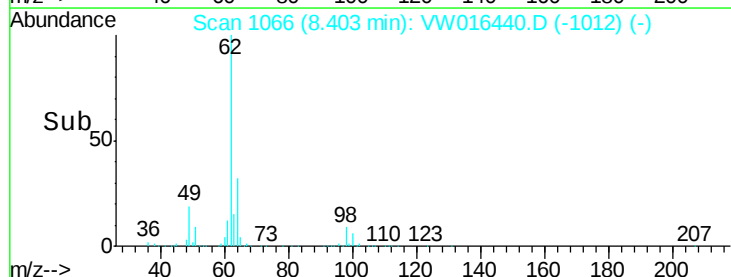
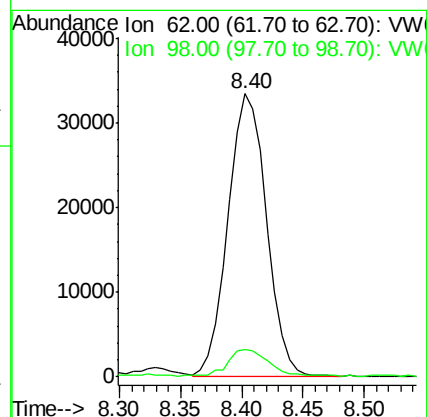
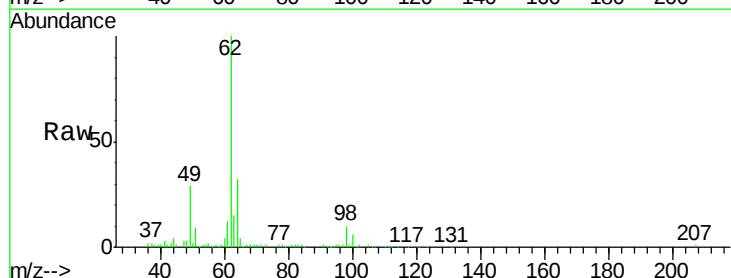
Acq: 03 Sep 2020 11:58

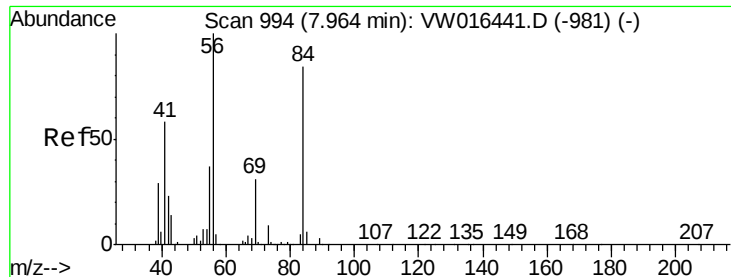
Tgt Ion: 62 Resp: 73116

Ion Ratio Lower Upper

62 100

98 9.8 7.3 10.9

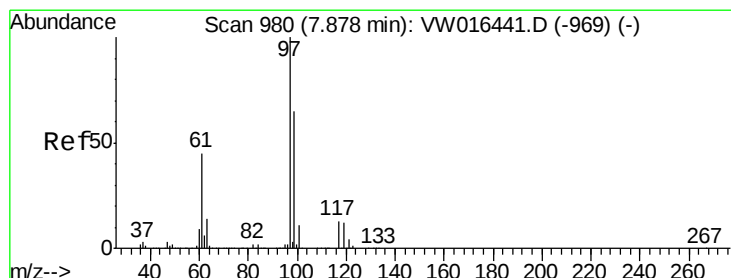
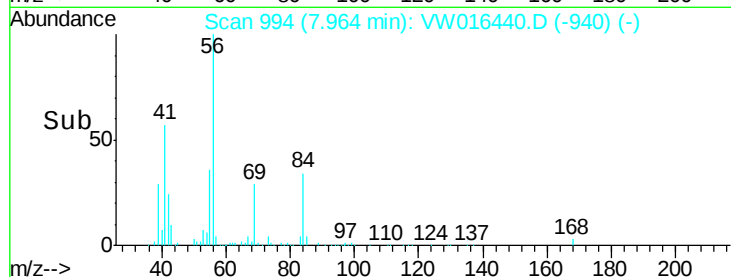
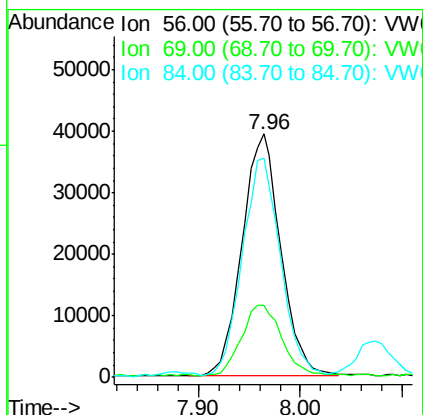
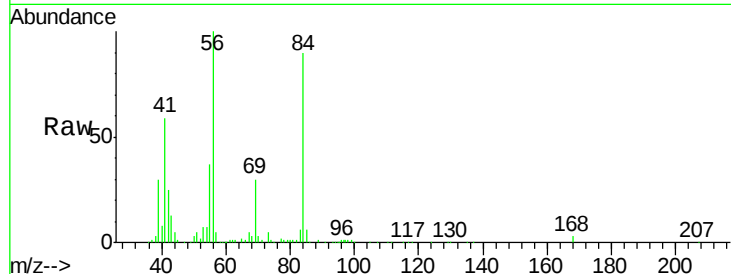




#30
Cyclohexane
Concen: 5.355 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

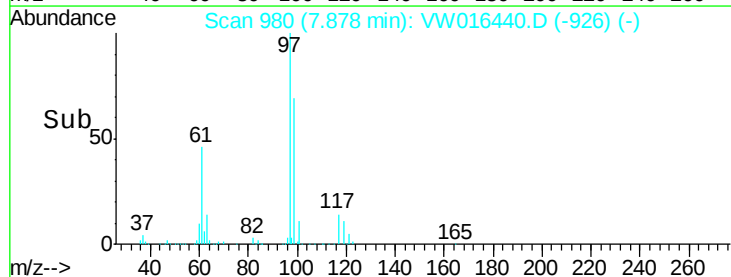
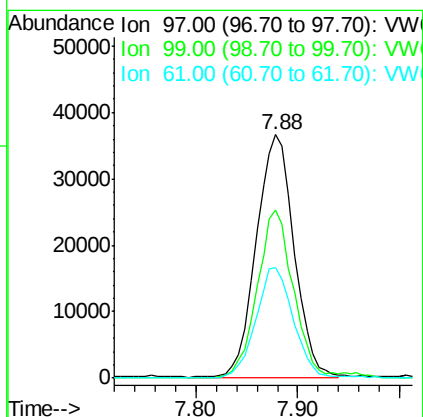
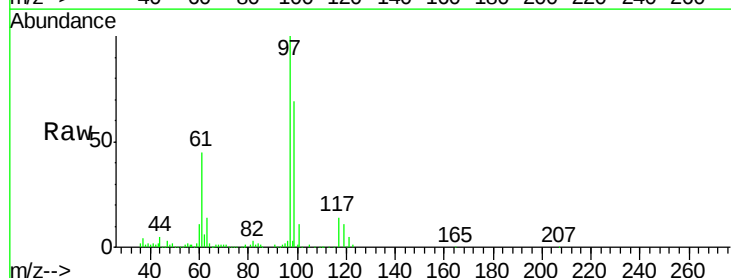
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

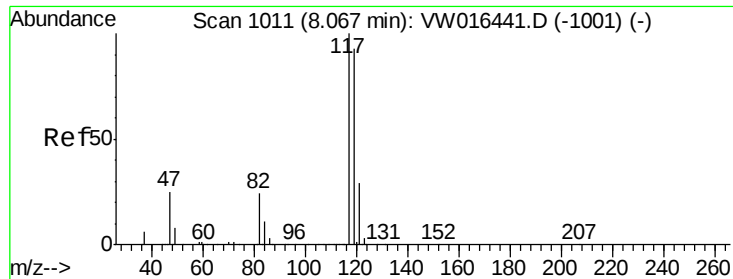
Tgt Ion: 56 Resp: 103690
Ion Ratio Lower Upper
56 100
69 29.9 25.3 37.9
84 88.8 71.6 107.4



#31
1,1,1-Trichloroethane
Concen: 4.529 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

Tgt Ion: 97 Resp: 93696
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.2
61 45.0 36.3 54.5





#32

Carbon tetrachloride

Concen: 4.511 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

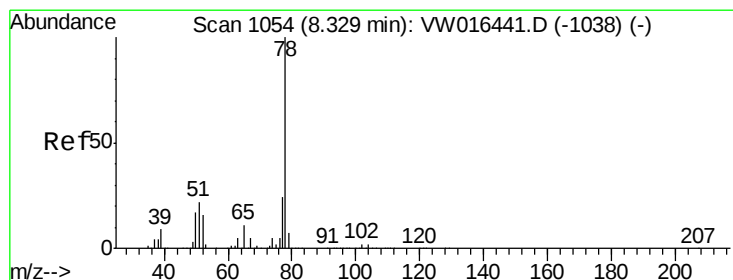
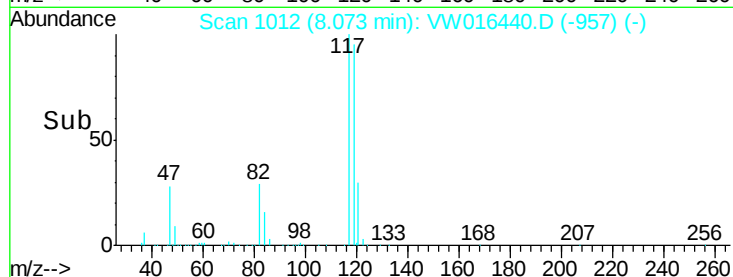
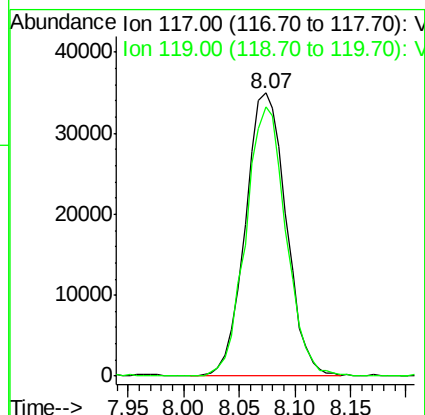
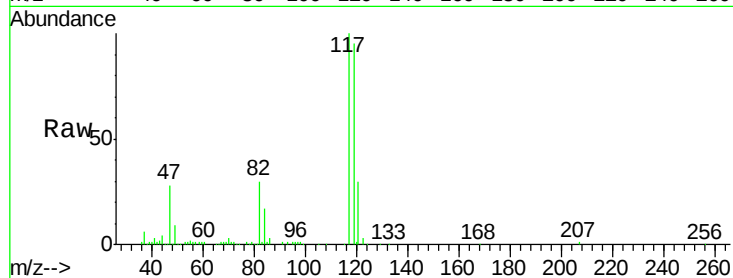
VSTD00504

Tgt Ion:117 Resp: 89116

Ion Ratio Lower Upper

117 100

119 93.7 77.8 116.6



#34

Benzene

Concen: 4.747 ug/L

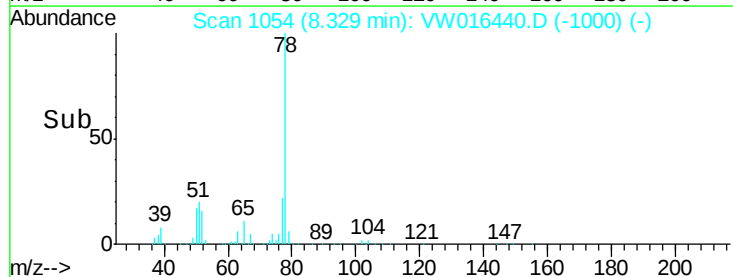
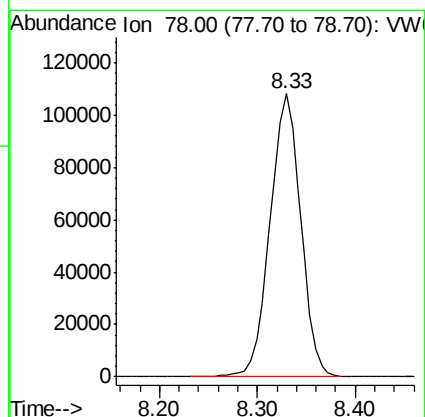
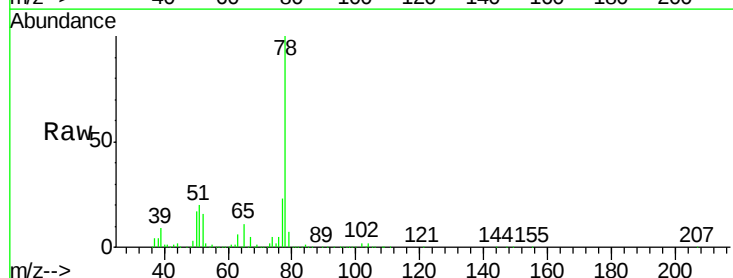
RT: 8.33 min Scan# 1054

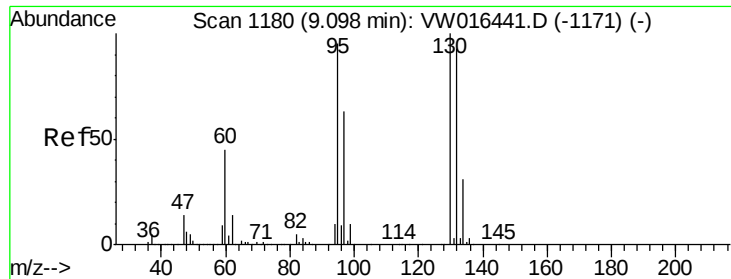
Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Tgt Ion: 78 Resp: 237135

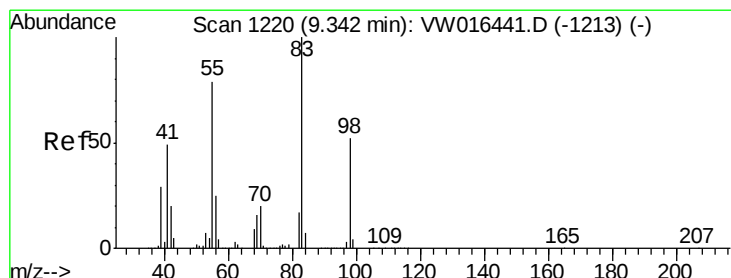
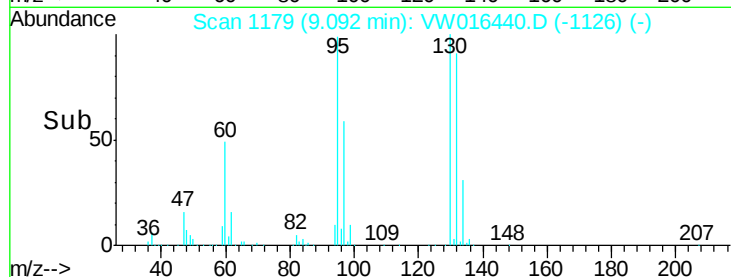
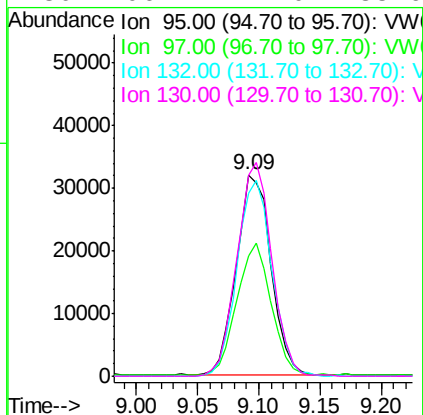
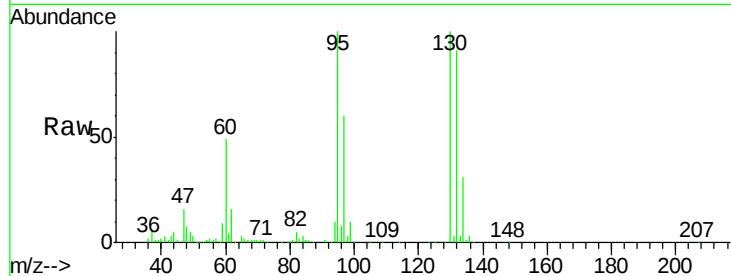




#35
 Trichloroethene
 Concen: 4.479 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

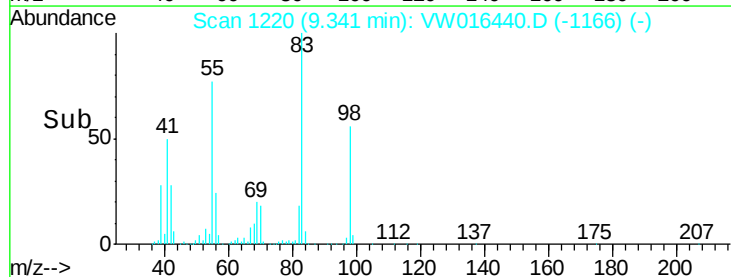
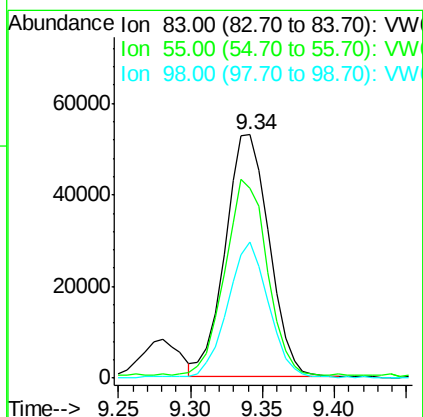
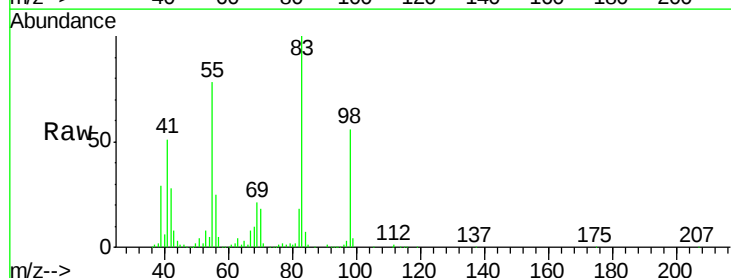
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

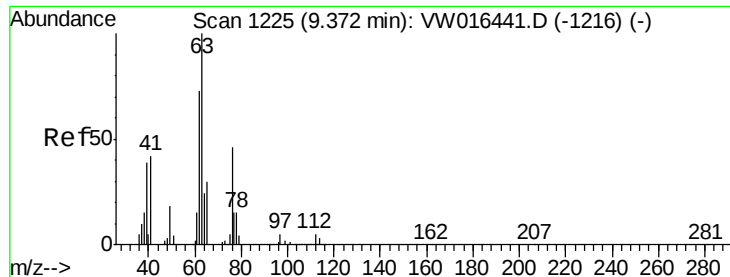
Tgt Ion:	95	Resp:	63235
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.5
132	98.5	69.2	128.4
130	106.4	72.0	133.6



#36
 Methylcyclohexane
 Concen: 4.832 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Tgt Ion:	83	Resp:	112383
Ion	Ratio	Lower	Upper
83	100		
55	78.1	60.9	91.3
98	51.9	40.0	60.0

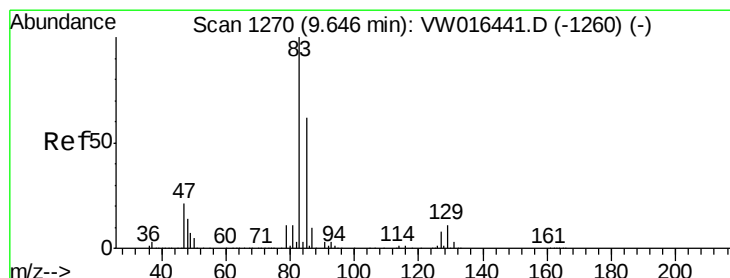
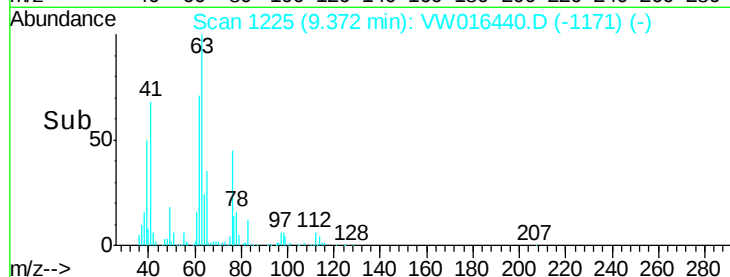
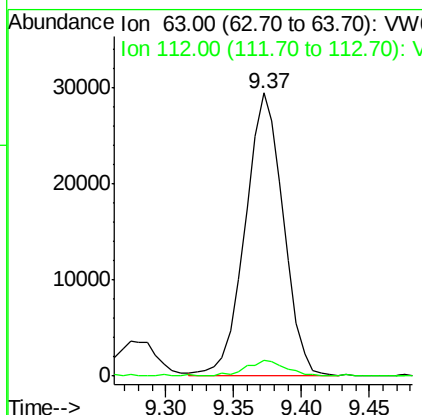
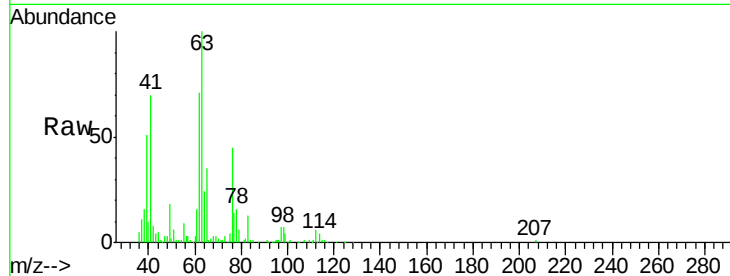




#40
 1,2-Dichloropropane
 Concen: 4.893 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

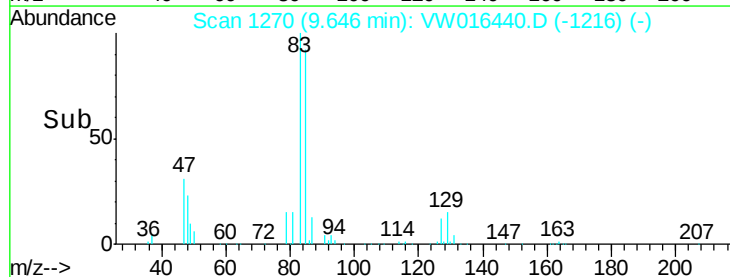
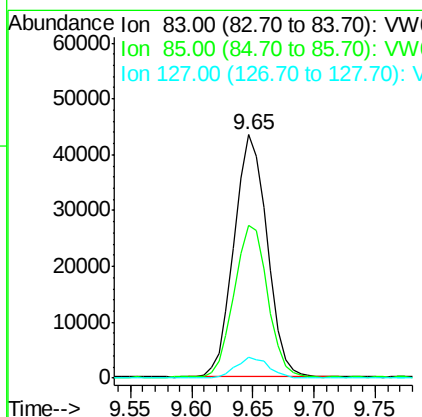
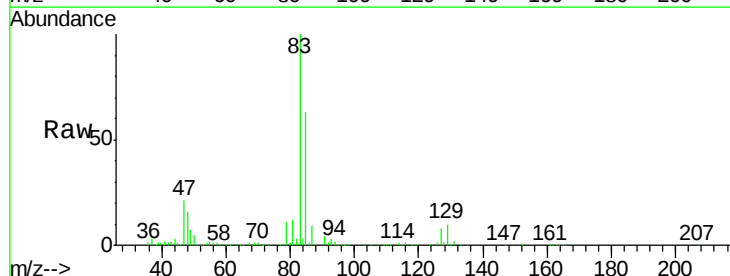
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

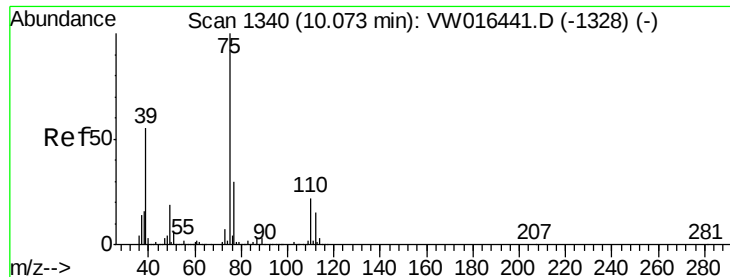
Tgt Ion: 63 Resp: 58016
 Ion Ratio Lower Upper
 63 100
 112 6.0 3.8 5.8#



#41
 Bromodichloromethane
 Concen: 4.902 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Tgt Ion: 83 Resp: 81636
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.5 80.7
 127 9.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

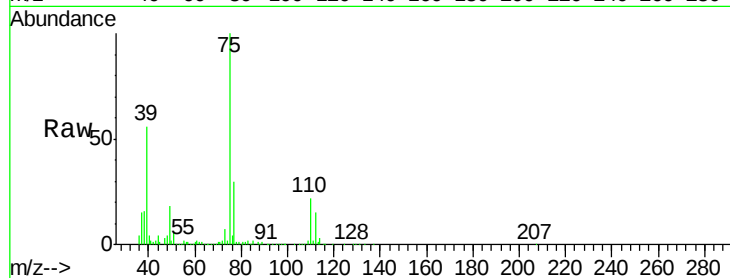
VSTD00504

Tgt Ion: 75 Resp: 98387

Ion Ratio Lower Upper

75 100

77 30.2 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

60000

50000

40000

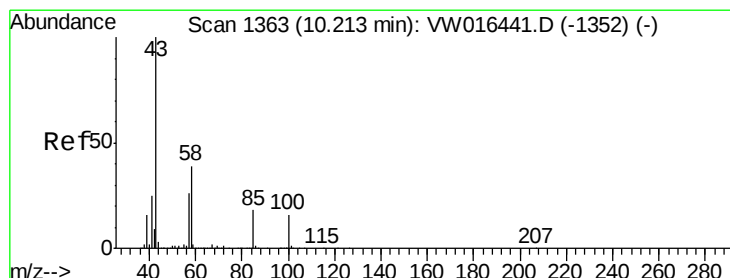
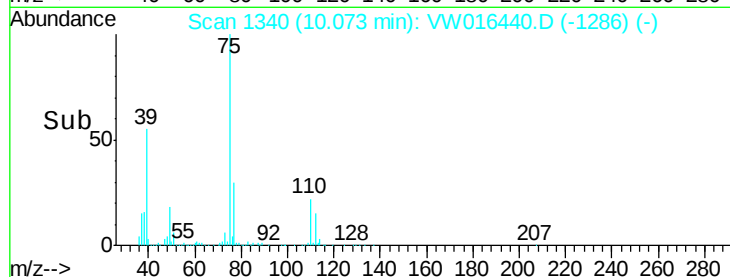
30000

20000

10000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 10.916 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

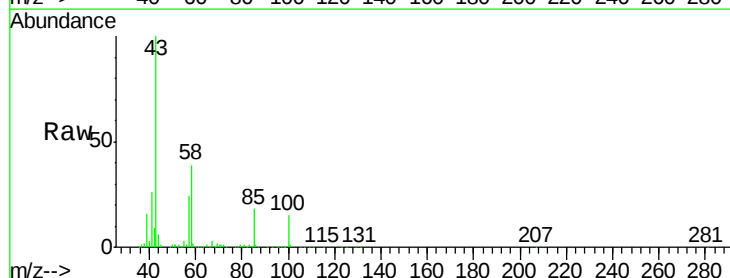
Tgt Ion: 43 Resp: 79859

Ion Ratio Lower Upper

43 100

58 39.5 30.6 45.8

100 16.2 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

100000

80000

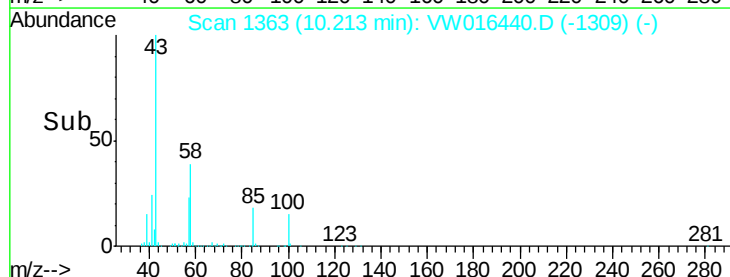
60000

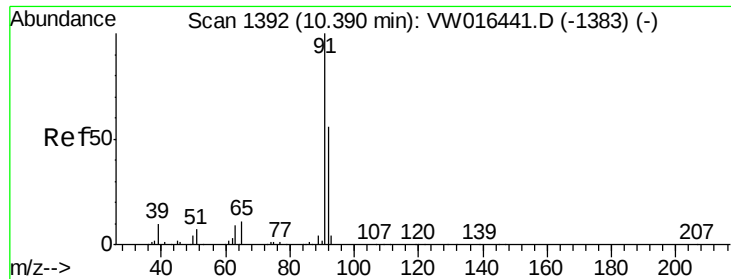
40000

20000

0

Time-->





#44

Toluene

Concen: 4.830 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

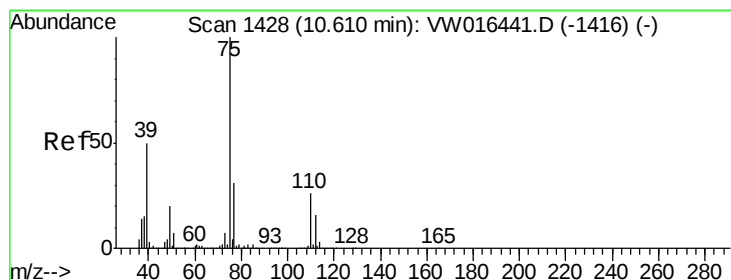
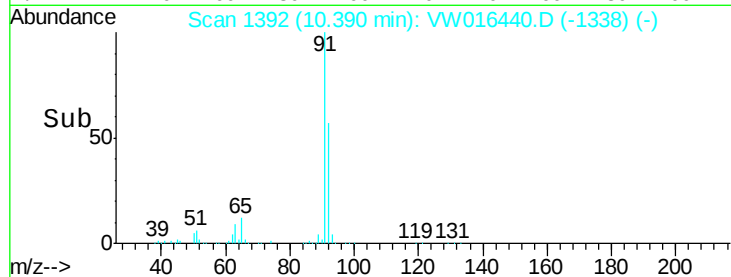
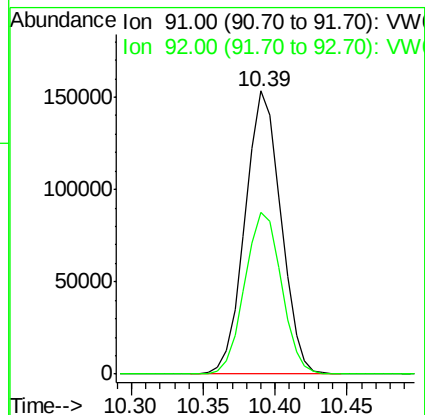
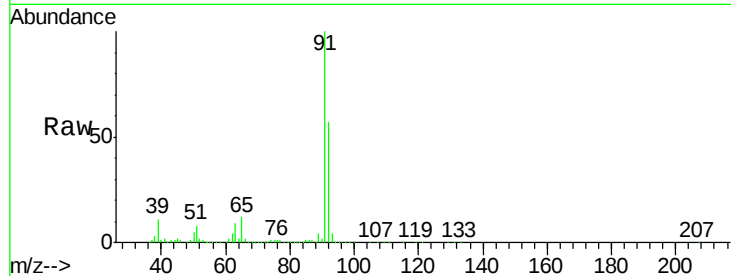
VSTD00504

Tgt Ion: 91 Resp: 263810

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 5.019 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016440.D

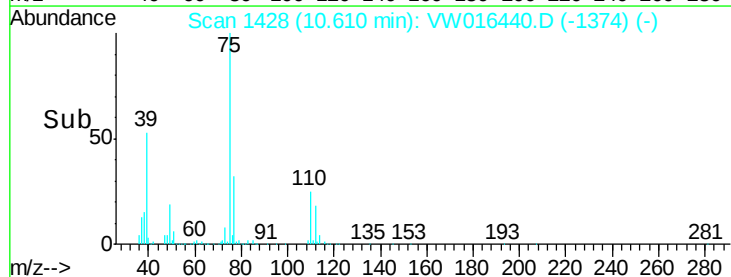
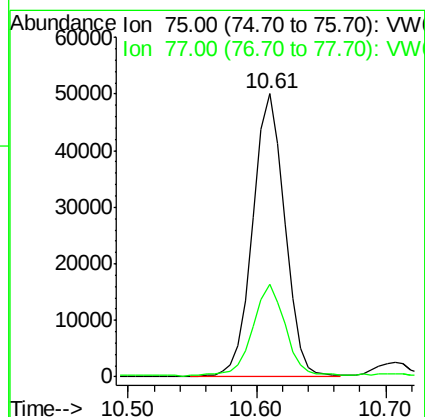
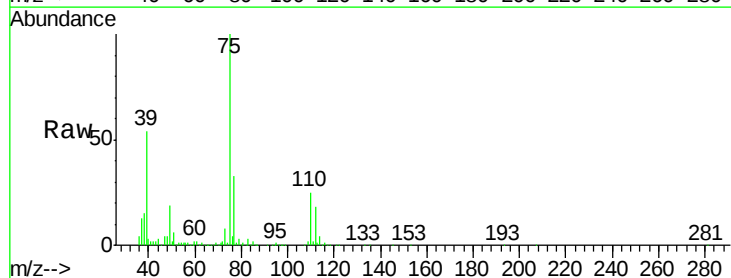
Acq: 03 Sep 2020 11:58

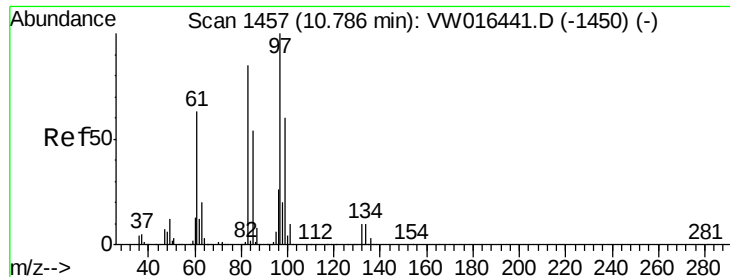
Tgt Ion: 75 Resp: 86331

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 4.737 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 97 Resp: 45792

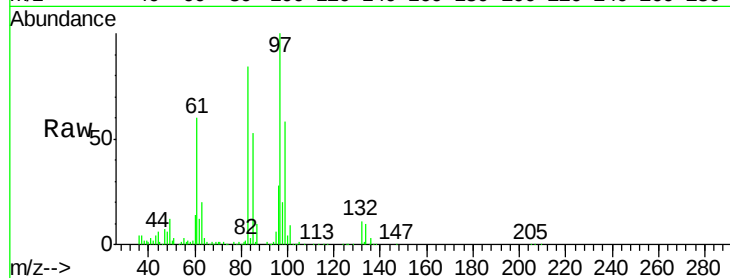
Ion Ratio Lower Upper

97 100

83 83.6 59.7 110.9

85 52.7 37.6 69.8

99 58.2 42.3 78.5

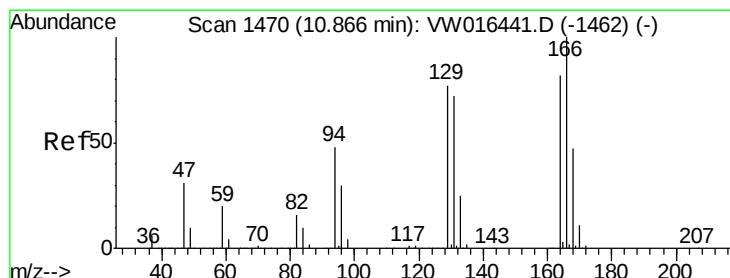
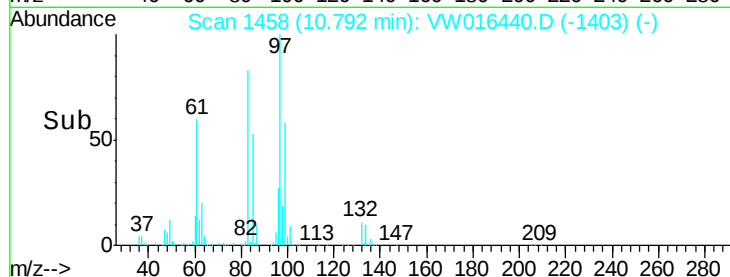
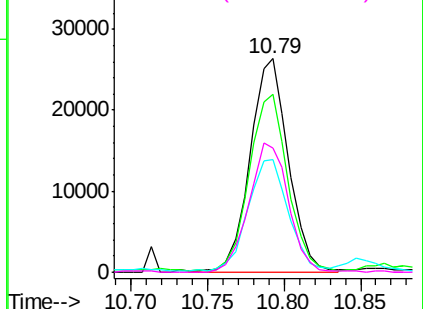


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 4.579 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Tgt Ion: 164 Resp: 50981

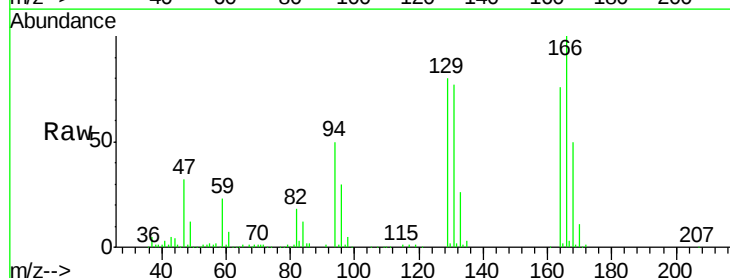
Ion Ratio Lower Upper

164 100

129 104.3 65.7 121.9

131 100.9 61.1 113.5

166 131.2 85.0 157.8

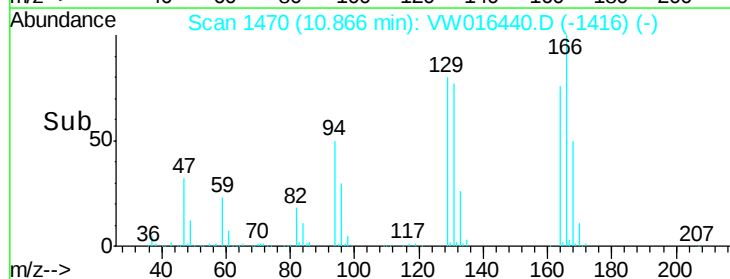
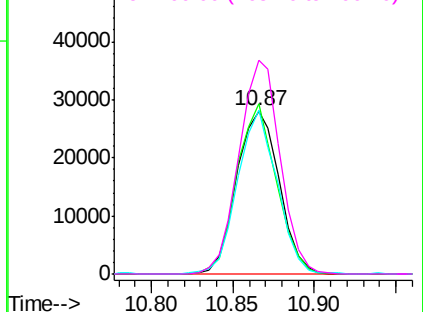


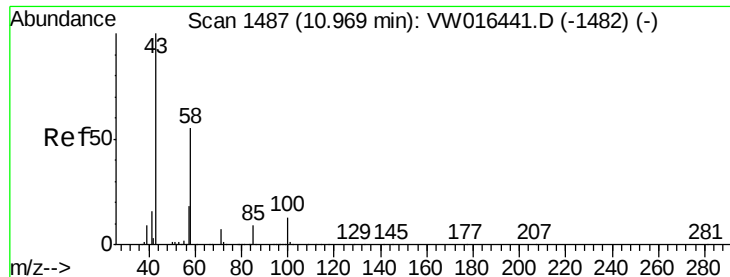
Abundance Ion 164.00 (163.70 to 164.70): V

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: 11.441 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 43 Resp: 54691

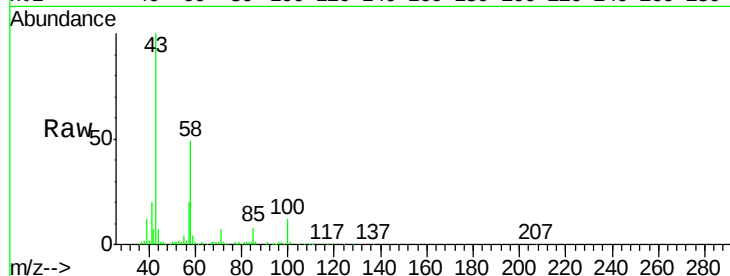
Ion Ratio Lower Upper

43 100

58 51.9 42.1 63.1

57 19.2 14.9 22.3

100 13.1 10.3 15.5

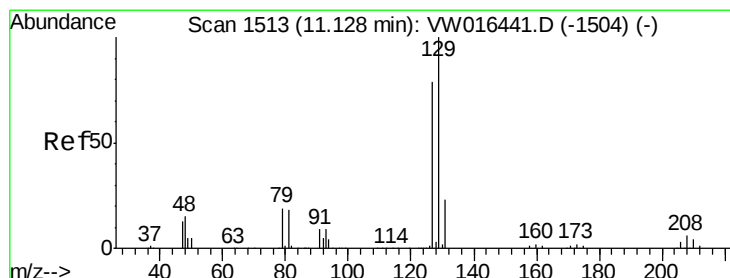
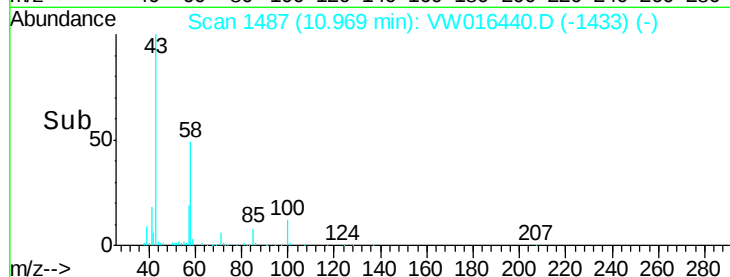
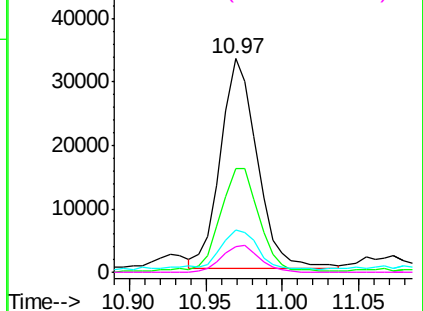


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.728 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016440.D

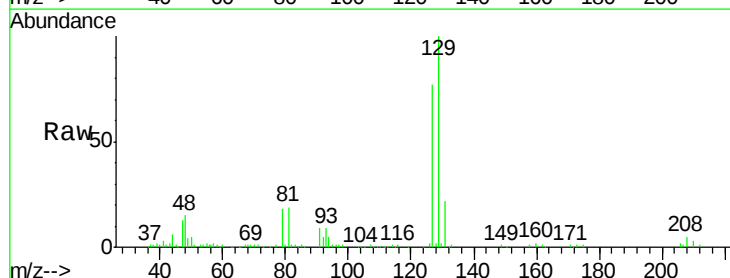
Acq: 03 Sep 2020 11:58

Tgt Ion: 129 Resp: 57055

Ion Ratio Lower Upper

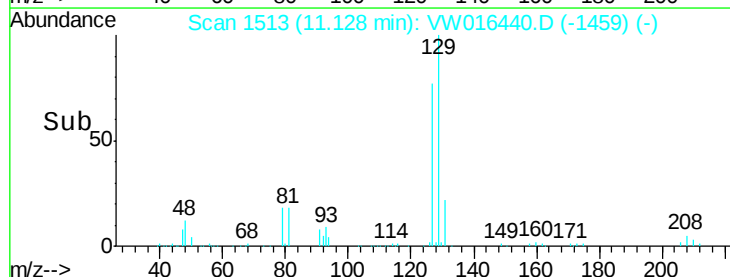
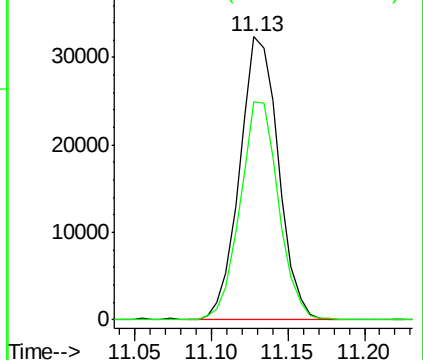
129 100

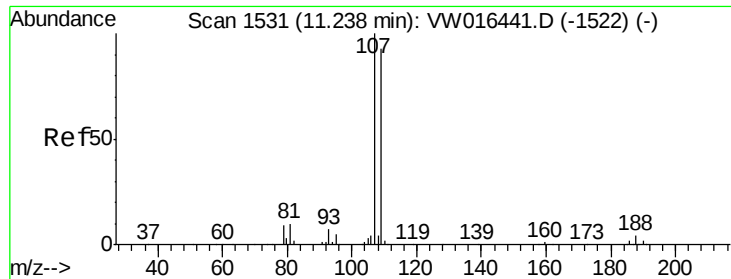
127 77.2 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

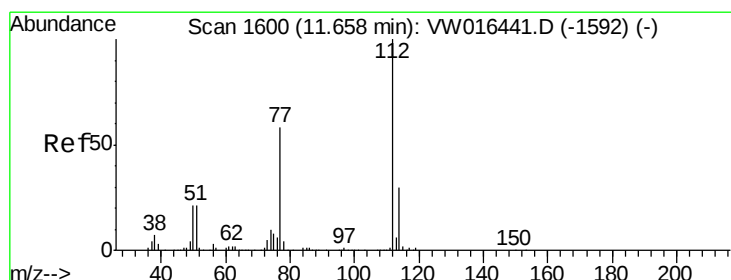
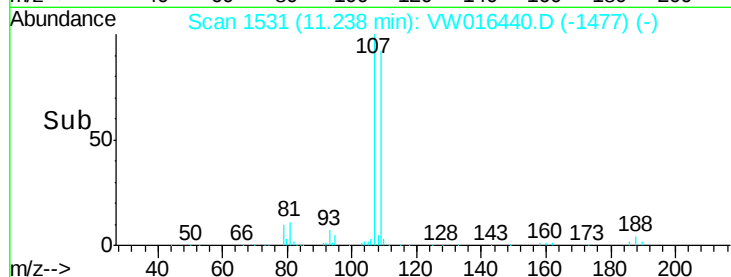
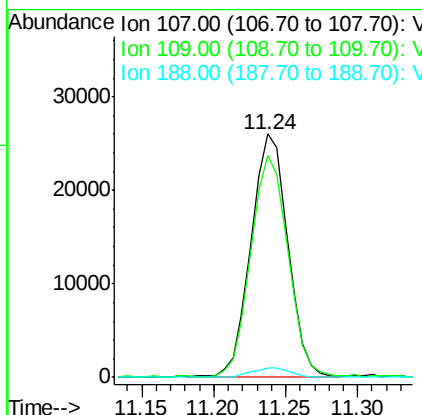
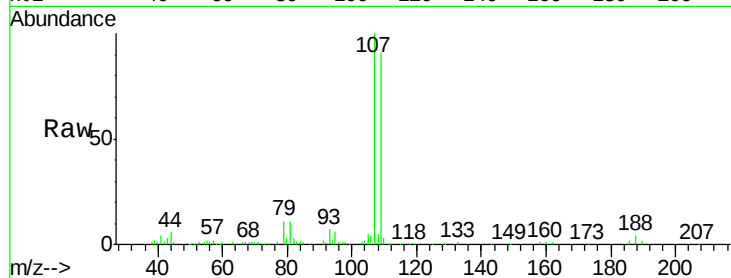




#51
1,2-Dibromoethane
Concen: 4.845 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

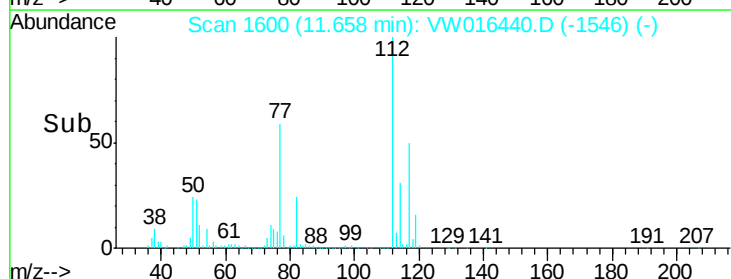
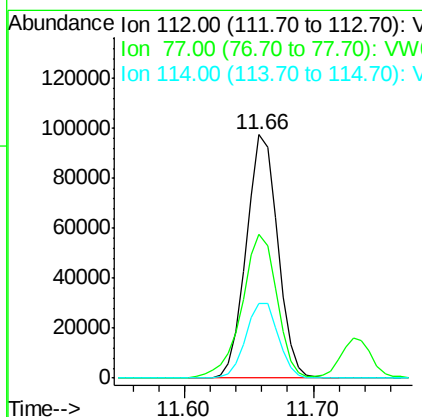
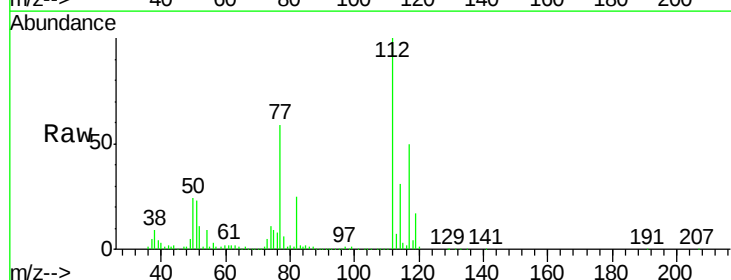
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

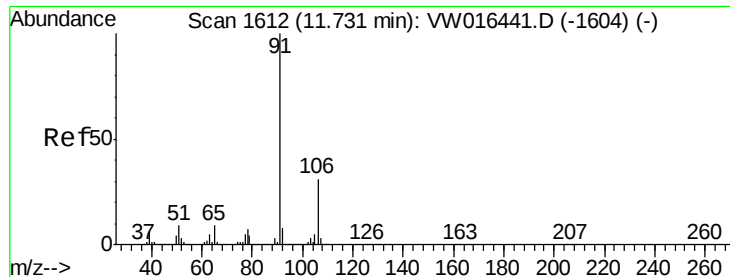
Tgt Ion:107 Resp: 46027
Ion Ratio Lower Upper
107 100
109 91.3 64.8 120.4
188 3.7 3.4 5.0



#52
Chlorobenzene
Concen: 4.544 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

Tgt Ion:112 Resp: 164284
Ion Ratio Lower Upper
112 100
77 58.9 46.2 69.2
114 30.9 21.1 39.3





#53

Ethylbenzene

Concen: 4.737 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

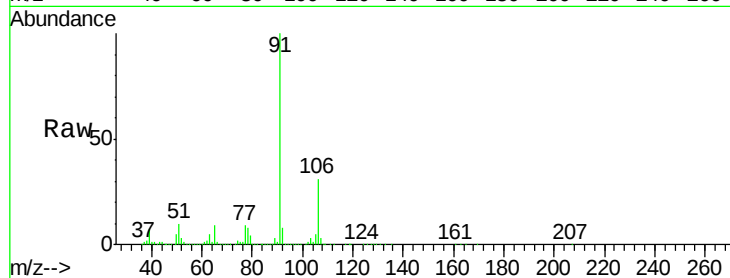
VSTD00504

Tgt Ion: 91 Resp: 295774

Ion Ratio Lower Upper

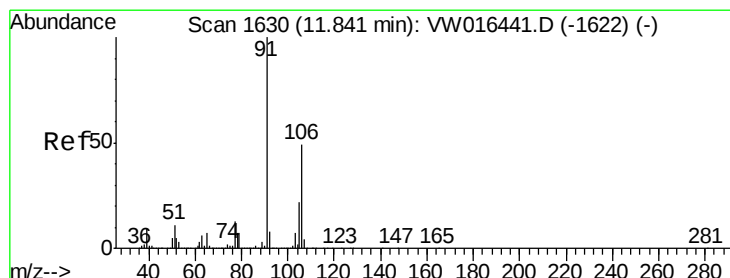
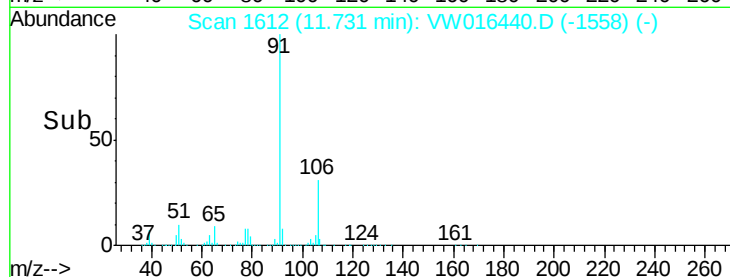
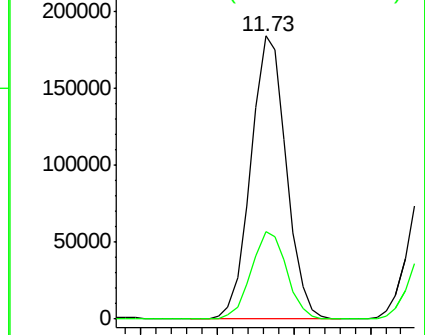
91 100

106 30.7 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 4.718 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016440.D

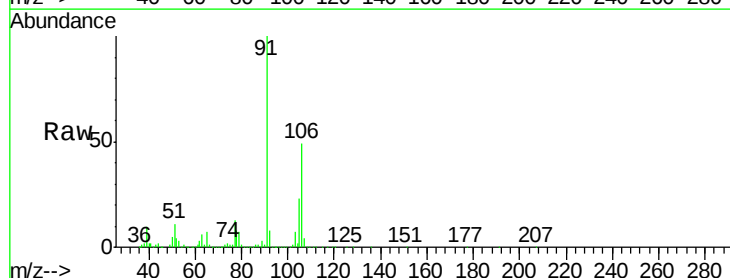
Acq: 03 Sep 2020 11:58

Tgt Ion: 106 Resp: 112815

Ion Ratio Lower Upper

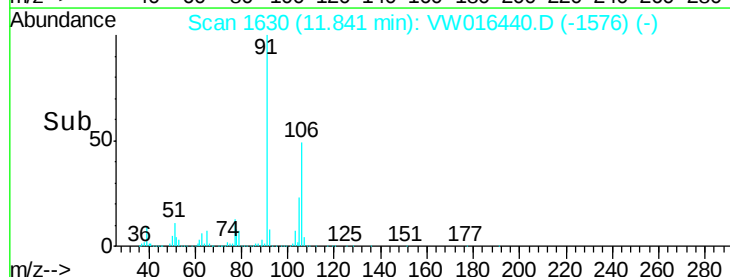
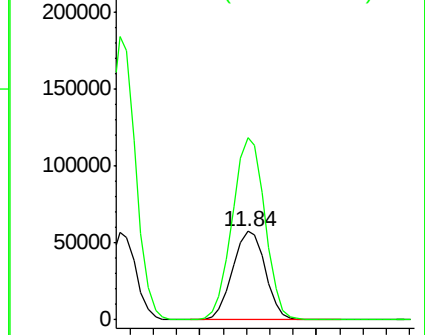
106 100

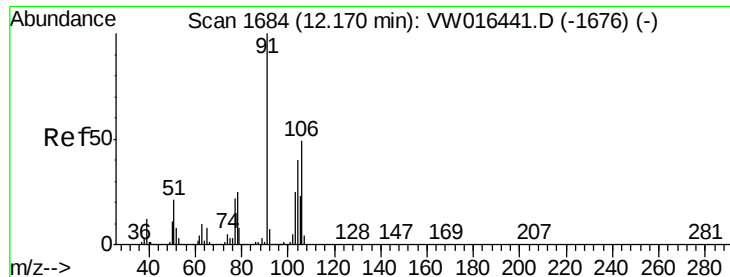
91 206.0 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

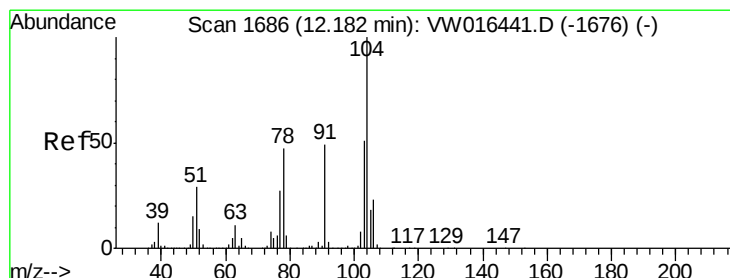
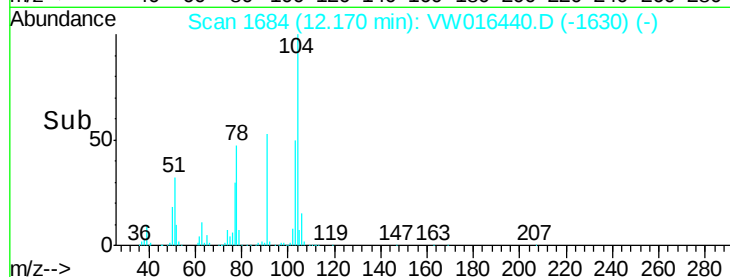
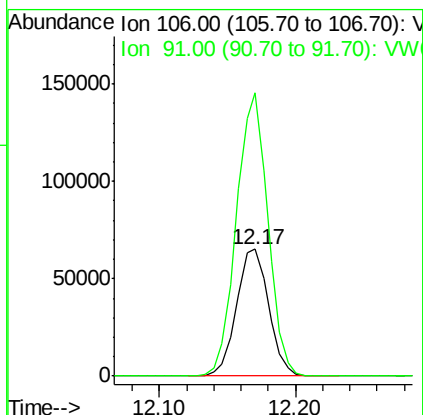
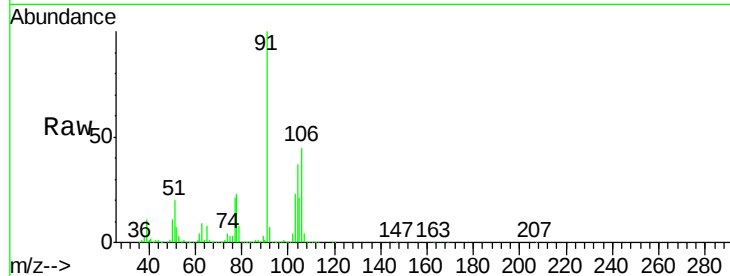




#55
o-xylene
Concen: 4.763 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

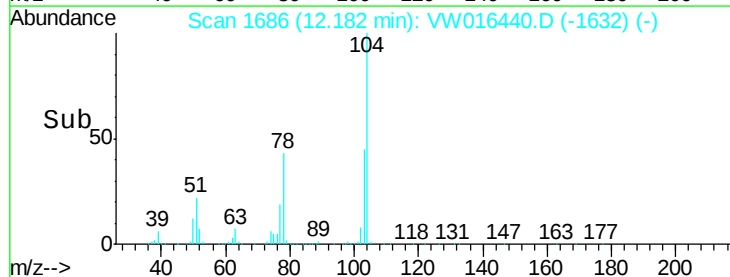
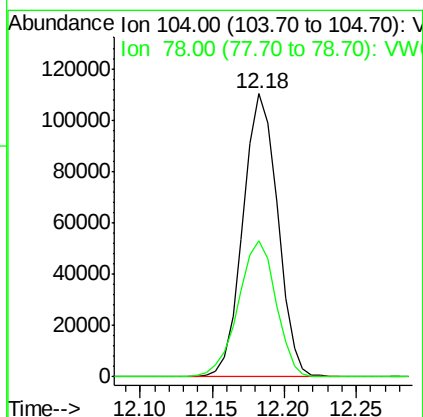
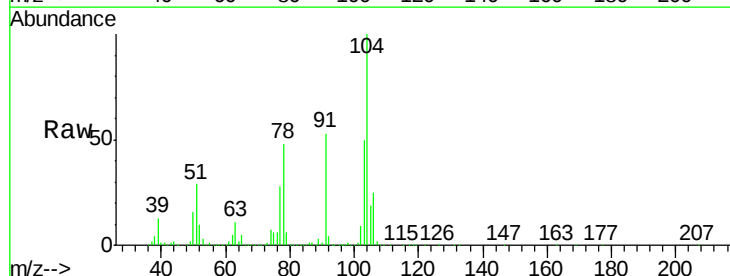
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

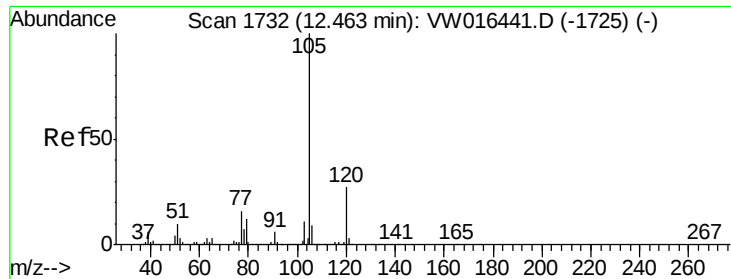
Tgt Ion:106 Resp: 107404
Ion Ratio Lower Upper
106 100
91 223.2 144.3 267.9



#56
Styrene
Concen: 4.850 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016440.D
Acq: 03 Sep 2020 11:58

Tgt Ion:104 Resp: 183831
Ion Ratio Lower Upper
104 100
78 48.0 32.8 61.0





#57

Isopropylbenzene

Concen: 4.807 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

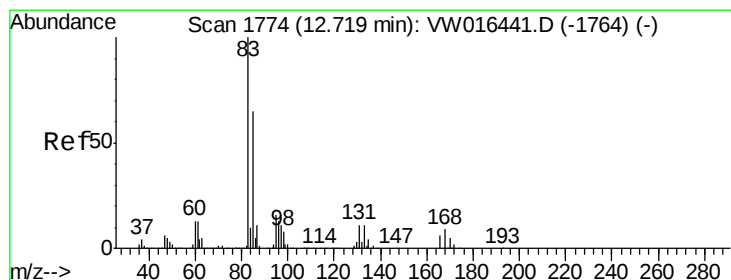
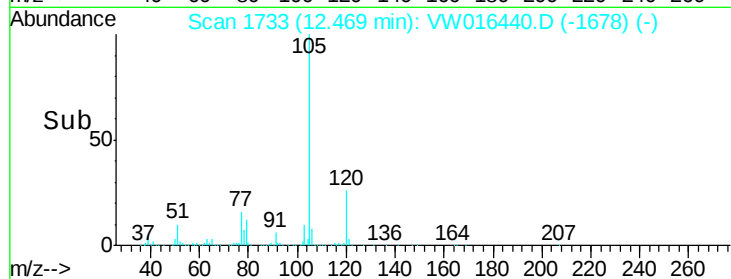
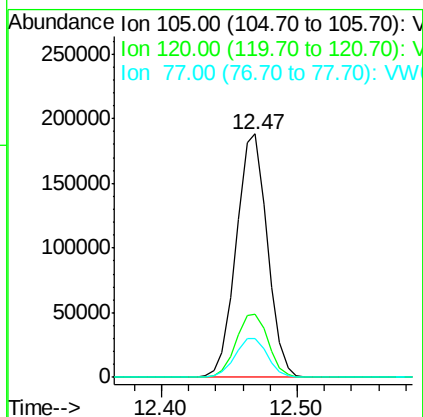
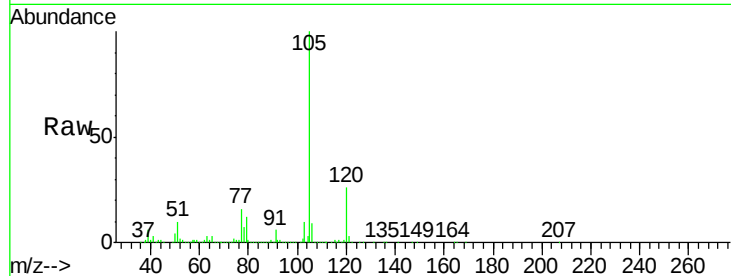
Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion:	105	Resp:	300053
Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.9	32.9
77	16.5	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.765 ug/L

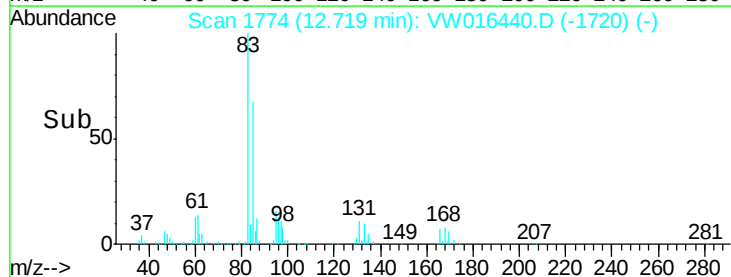
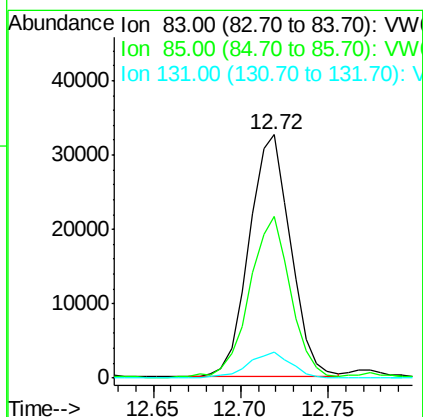
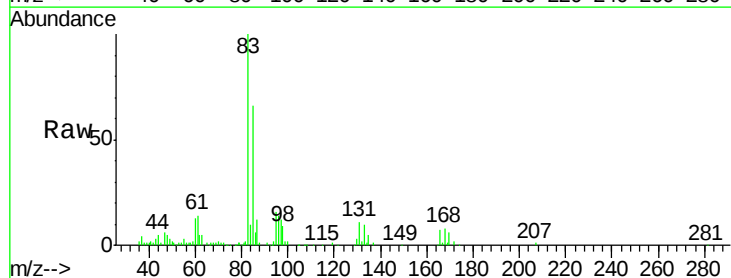
RT: 12.72 min Scan# 1774

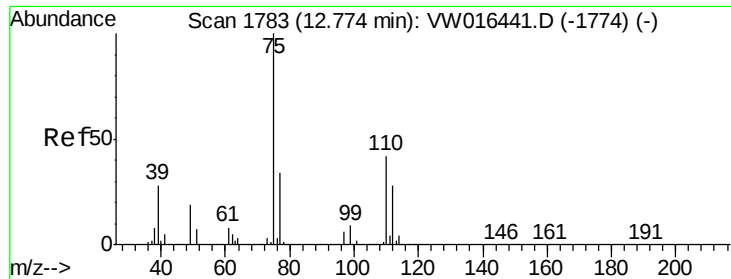
Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Tgt Ion:	83	Resp:	53728
Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.3	84.1
131	10.5	8.7	13.1





#59

1,2,3-Trichloropropane

Concen: 4.804 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

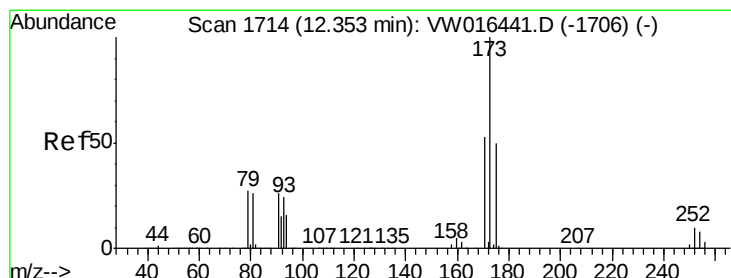
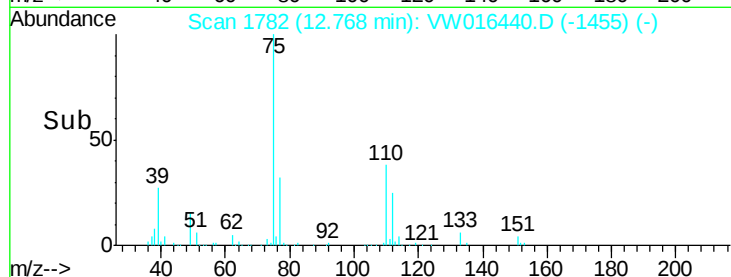
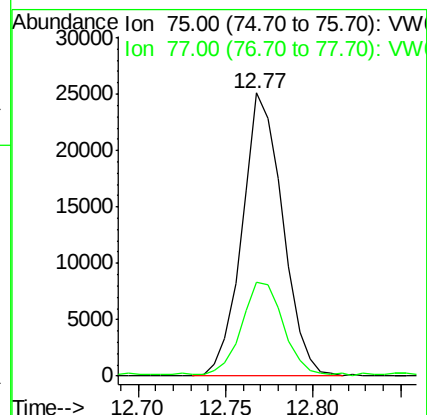
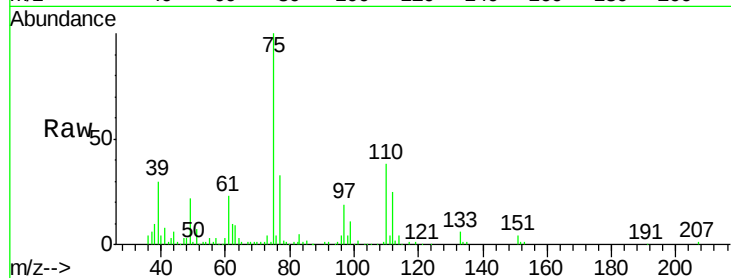
VSTD00504

Tgt Ion: 75 Resp: 40155

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0



#62

Bromoform

Concen: 4.870 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

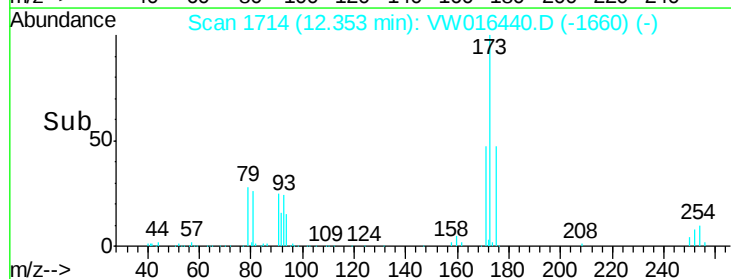
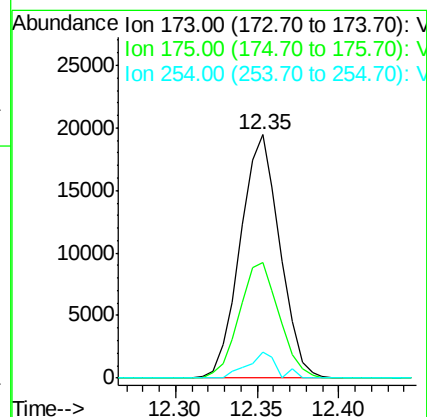
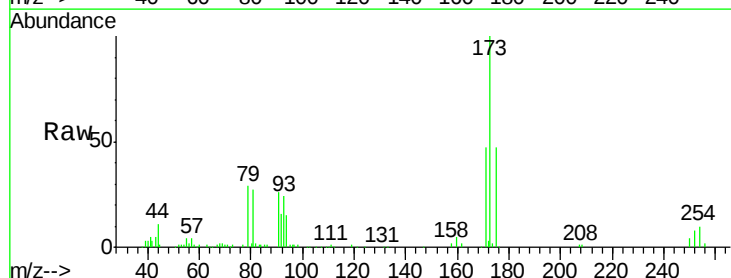
Tgt Ion: 173 Resp: 32840

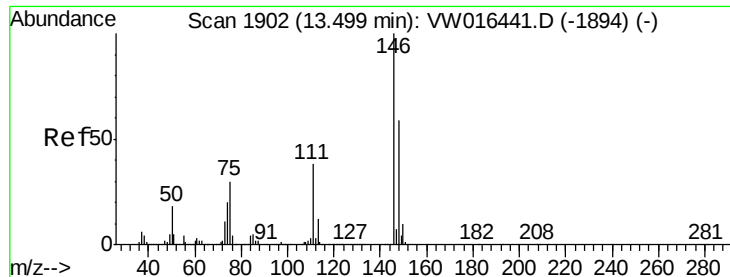
Ion Ratio Lower Upper

173 100

175 48.0 39.2 58.8

254 6.9 5.8 8.6

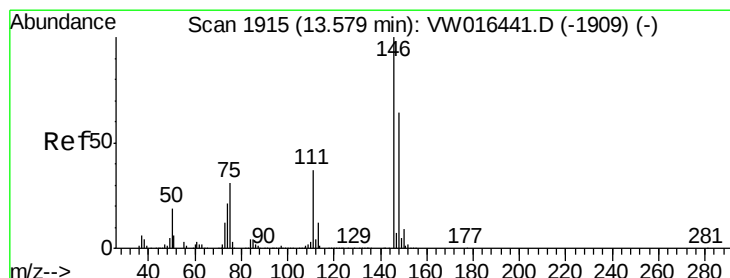
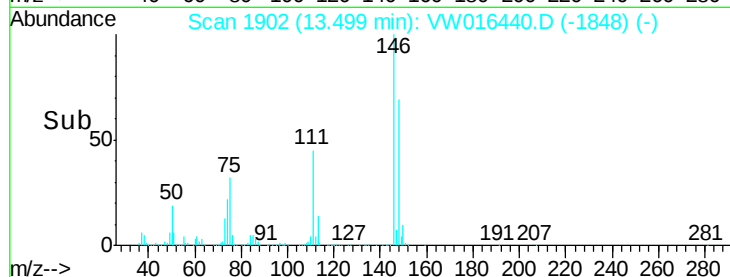
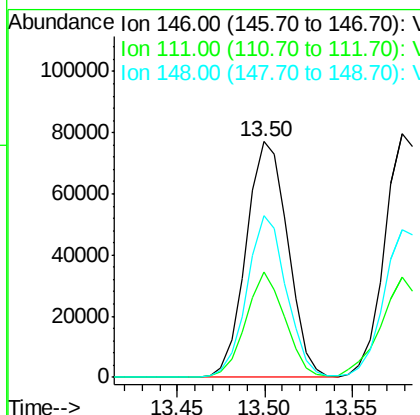
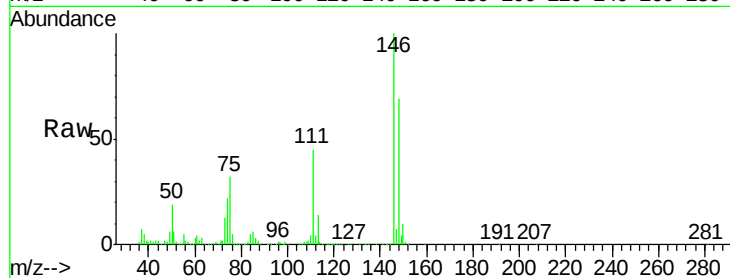




#63
 1,3-Dichlorobenzene
 Concen: 4.665 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

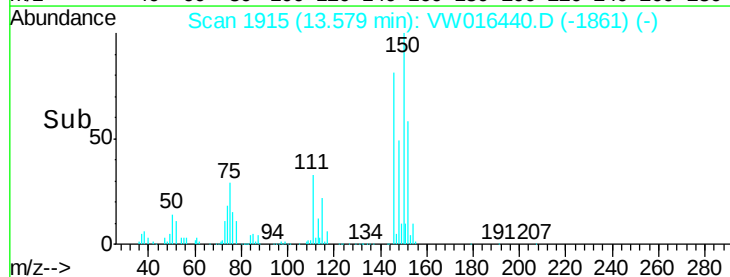
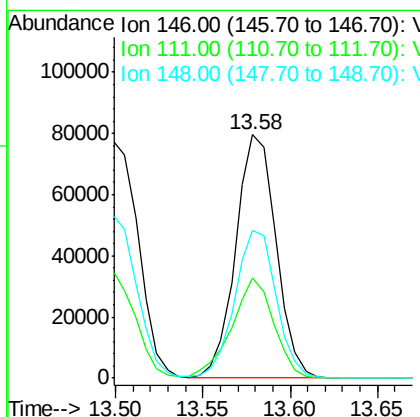
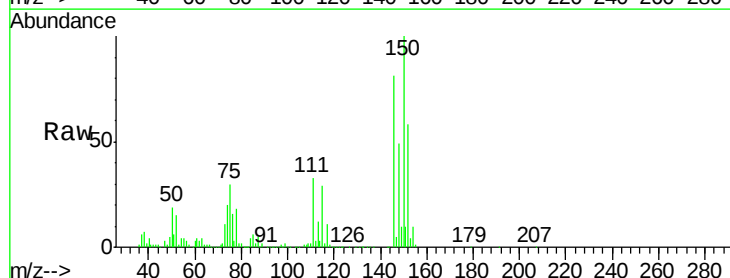
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

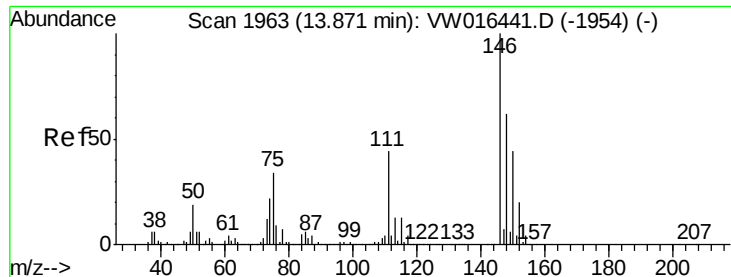
Tgt Ion:146 Resp: 127730
 Ion Ratio Lower Upper
 146 100
 111 44.7 26.5 49.3
 148 68.5 41.3 76.7



#64
 1,4-Dichlorobenzene
 Concen: 4.625 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Tgt Ion:146 Resp: 128358
 Ion Ratio Lower Upper
 146 100
 111 41.0 26.4 49.0
 148 60.8 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 4.847 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

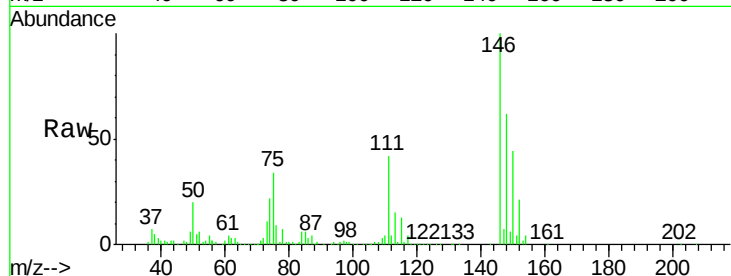
Tgt Ion:146 Resp: 118726

Ion Ratio Lower Upper

146 100

111 41.5 35.3 52.9

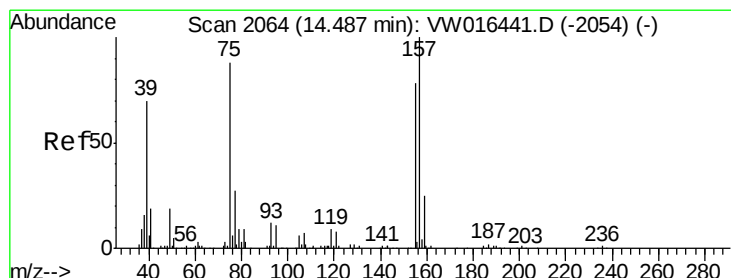
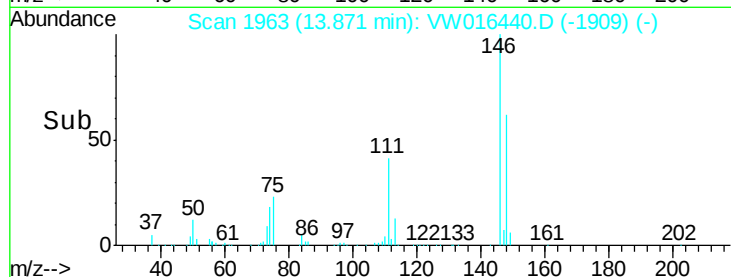
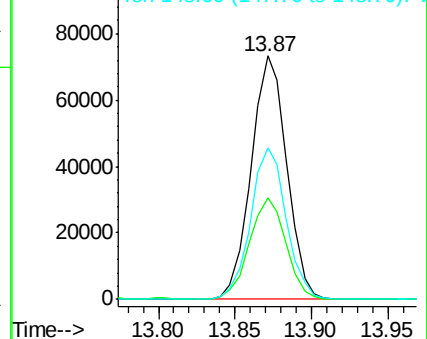
148 62.2 49.8 74.8



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: 5.285 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

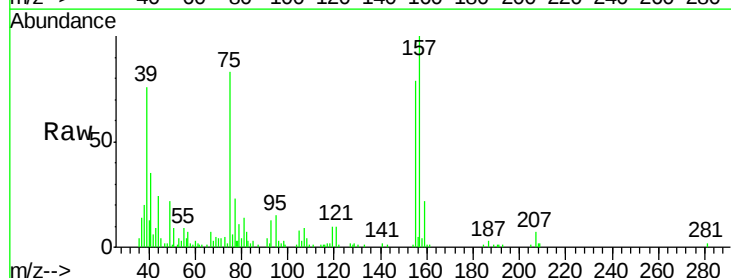
Tgt Ion: 75 Resp: 10350

Ion Ratio Lower Upper

75 100

157 120.2 91.4 137.0

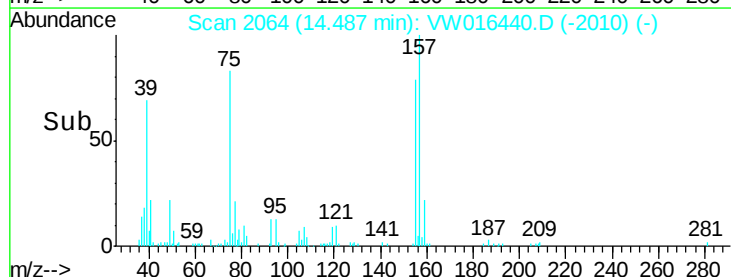
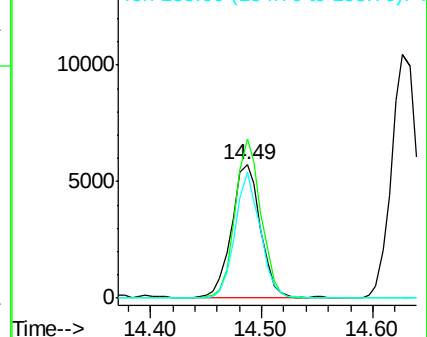
155 94.4 71.3 106.9

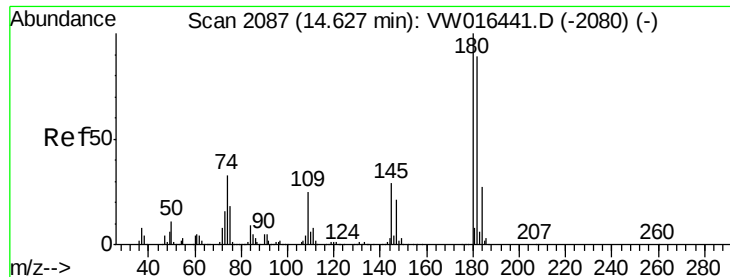


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

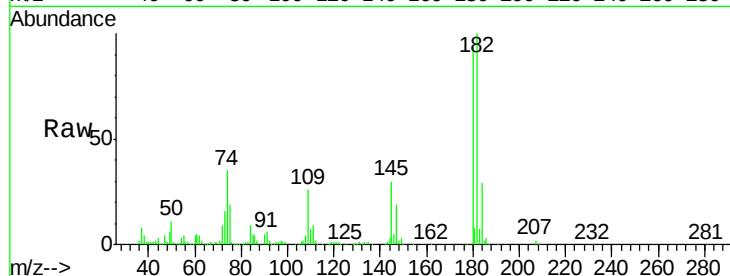




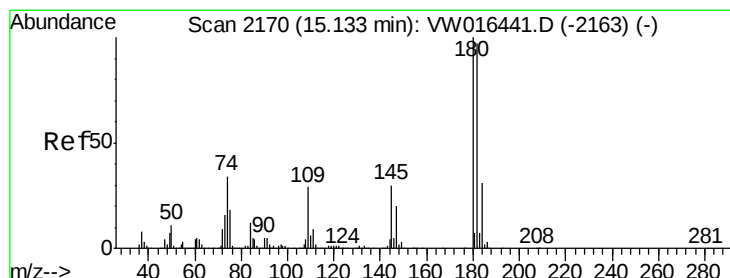
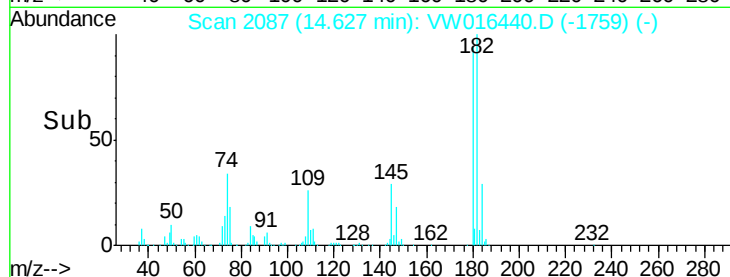
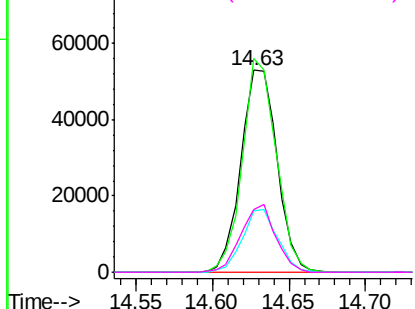
#67
 1,3,5-Trichlorobenzene
 Concen: 4.618 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tgt Ion:	180	Resp:	87296
Ion	Ratio	Lower	Upper
180	100		
182	98.6	75.8	113.8
184	30.1	24.2	36.2
145	32.0	24.6	36.8

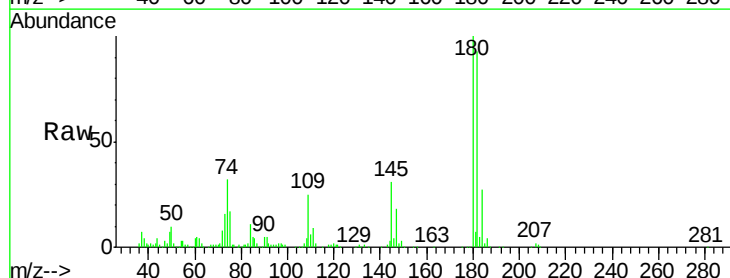


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

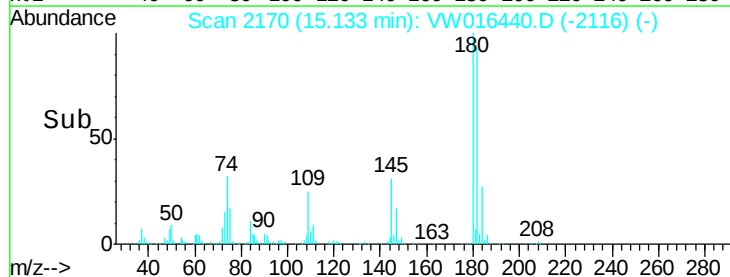
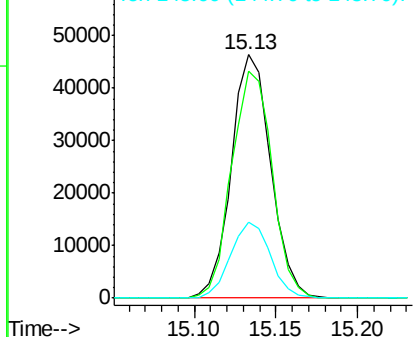


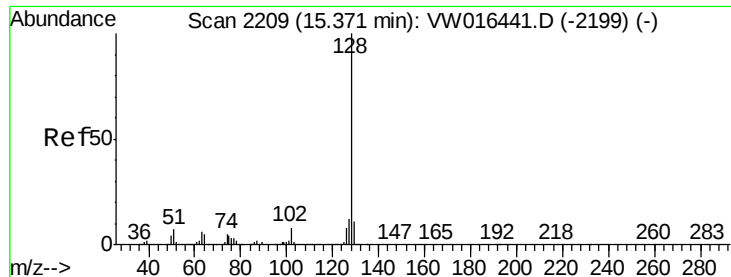
#68
 1,2,4-trichlorobenzene
 Concen: 5.243 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016440.D
 Acq: 03 Sep 2020 11:58

Tgt Ion:	180	Resp:	78282
Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.5	117.7
145	31.5	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: 5.225 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

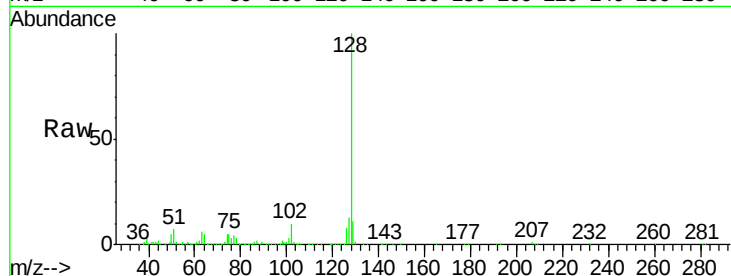
Tgt Ion:128 Resp: 155491

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

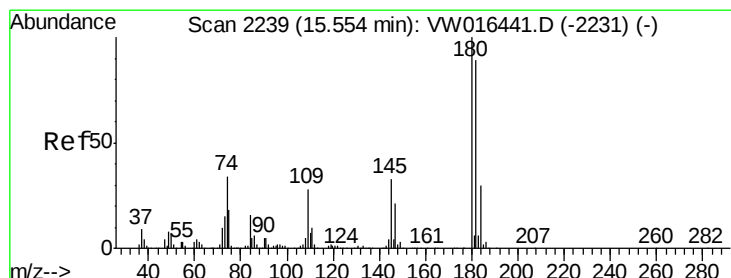
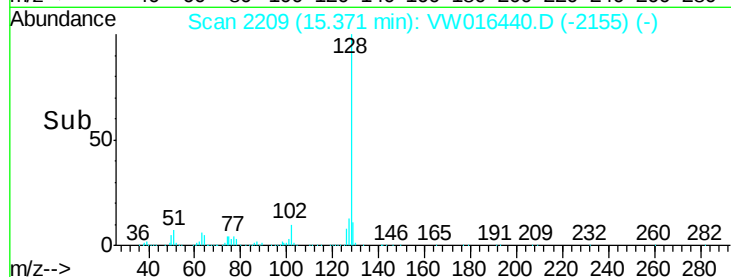
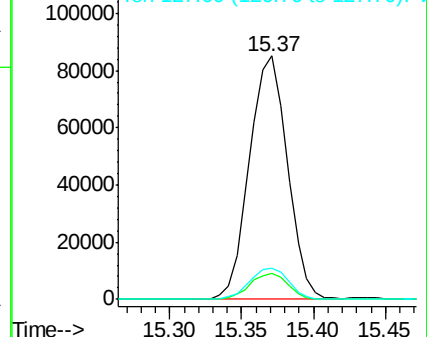
127 13.2 10.5 15.7



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: 4.967 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016440.D

Acq: 03 Sep 2020 11:58

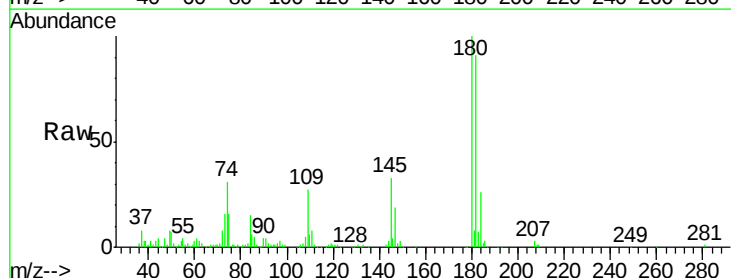
Tgt Ion:180 Resp: 65168

Ion Ratio Lower Upper

180 100

182 96.5 76.1 114.1

145 34.5 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

