

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071320\
 Data File : VW015840.D
 Acq On : 13 Jul 2020 11:51
 Operator : SY/VA
 Sample : VSTD02501
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Quant Time: Jul 13 13:03:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 13:00:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	318442	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310938	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	159252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	127276	24.55	ug/L	0.00
7) Chloroethane-d5	2.89	69	135940	30.20	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	176603	20.09	ug/L	0.00
20) 2-Butanone-d5	7.09	46	36519	35.54	ug/L	0.00
24) Chloroform-d	7.65	84	205940	23.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	109579	22.02	ug/L	0.00
29) Benzene-d6	8.27	84	416074	22.83	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	116916	21.80	ug/L	0.00
37) Toluene-d8	10.33	98	405515	23.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	49939	21.19	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	32775	38.69	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93769	22.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	147341	24.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	41924	15.427	ug/L 100
3) Chloromethane	2.21	50	78028	23.818	ug/L 100
5) Vinyl chloride	2.37	62	146659	29.189	ug/L 100
6) Bromomethane	2.79	94	134366	36.766	ug/L 100
8) Chloroethane	2.93	64	110920	33.659	ug/L 100
9) Trichlorofluoromethane	3.26	101	150905	37.620	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	84828	22.783	ug/L 100
12) 1,1-Dichloroethene	4.03	96	81360	22.638	ug/L 100
13) Acetone	4.14	43	25593	30.391	ug/L 100
14) Carbon disulfide	4.38	76	278731	24.542	ug/L 100
15) Methyl Acetate	4.68	43	30030	19.384	ug/L 100
16) Methylene chloride	4.92	84	96961	20.996	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	125959	22.796	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	104132	26.048	ug/L 100
19) 1,1-Dichloroethane	6.22	63	178478	24.959	ug/L 100
21) 2-Butanone	7.18	43	39741	37.157	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	106806	25.945	ug/L 100
23) Bromochloromethane	7.52	128	47329	26.033	ug/L 100
25) Chloroform	7.68	83	194692	26.615	ug/L 100
27) 1,2-Dichloroethane	8.40	62	127822	25.419	ug/L 100
30) Cyclohexane	7.96	56	165590	24.128	ug/L 100
31) 1,1,1-Trichloroethane	7.87	97	174037	25.811	ug/L 100
32) Carbon tetrachloride	8.07	117	164629	26.775	ug/L 100
34) Benzene	8.32	78	440405	25.760	ug/L 100
35) Trichloroethene	9.10	95	119795	26.112	ug/L 100
36) Methylcyclohexane	9.34	83	212870	26.848	ug/L 100
40) 1,2-Dichloropropane	9.37	63	105566	25.395	ug/L 100
41) Bromodichloromethane	9.65	83	143409	26.411	ug/L 100
42) cis-1,3-Dichloropropene	10.07	75	163077	25.245	ug/L 100
43) 4-Methyl-2-pentanone	10.21	43	95101	41.133	ug/L 100

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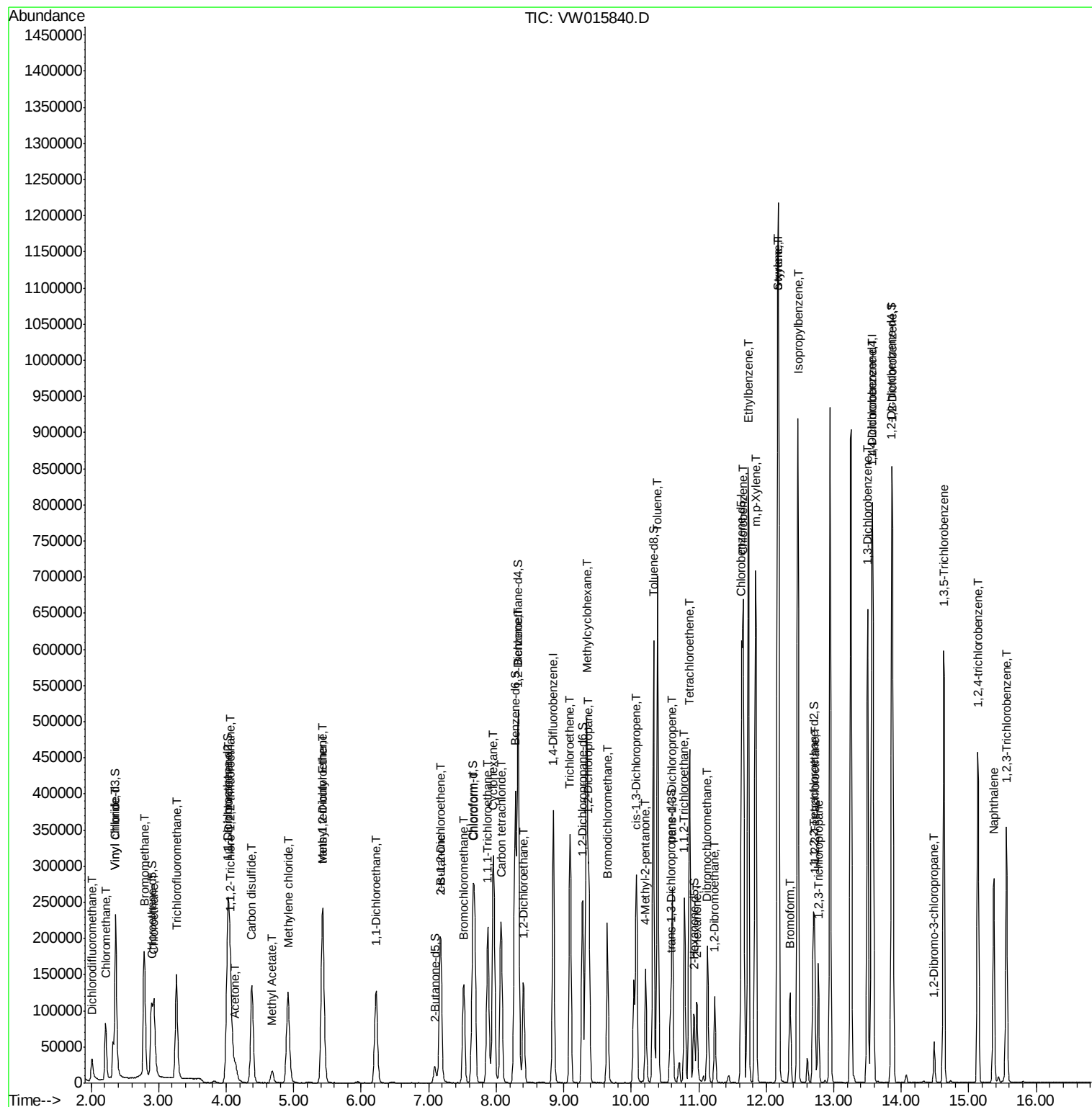
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	511451	27.248	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	143764	25.545	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	78448	25.950	ug/L	100
47) Tetrachloroethene	10.87	164	99587	26.852	ug/L	100
49) 2-Hexanone	10.97	43	65413	40.417	ug/L	100
50) Dibromochloromethane	11.13	129	99471	27.709	ug/L	100
51) 1,2-Dibromoethane	11.24	107	77252	26.242	ug/L	100
52) Chlorobenzene	11.66	112	330865	27.799	ug/L	100
53) Ethylbenzene	11.73	91	581383	27.413	ug/L	100
54) m,p-Xylene	11.84	106	228890	28.587	ug/L	100
55) o-xylene	12.17	106	219654	28.612	ug/L	100
56) Styrene	12.18	104	370669	28.536	ug/L	100
57) Isopropylbenzene	12.47	105	600705	28.455	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	90206	25.335	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	66472	24.752	ug/L	100
62) Bromoform	12.35	173	52552	25.647	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	264116	27.517	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	264198	27.570	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	231622	27.416	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	13376	22.843	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	175832	27.010	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	138643	26.494	ug/L	100
69) Naphthalene	15.37	128	245333	25.703	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	120897	26.739	ug/L	100

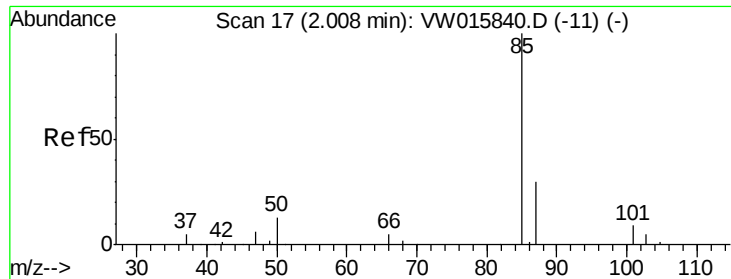
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#2

Dichlorodifluoromethane

Concen: 15.427 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

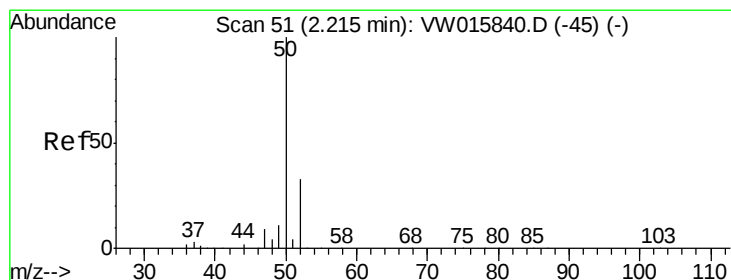
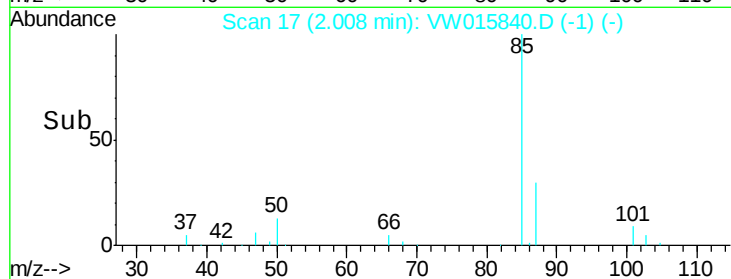
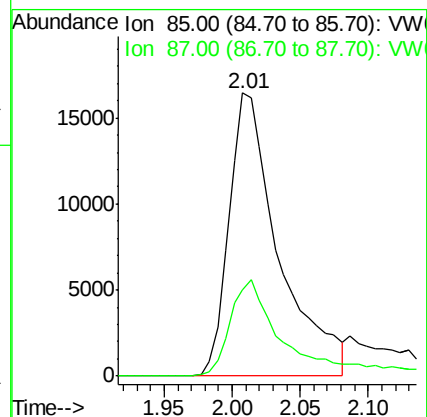
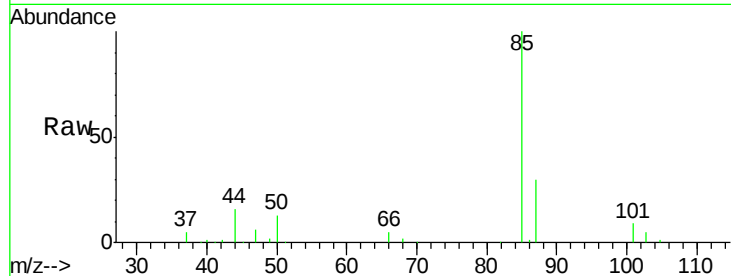
VSTD02501

Tgt Ion: 85 Resp: 41924

Ion Ratio Lower Upper

85 100

87 33.1 23.2 43.0



#3

Chloromethane

Concen: 23.818 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015840.D

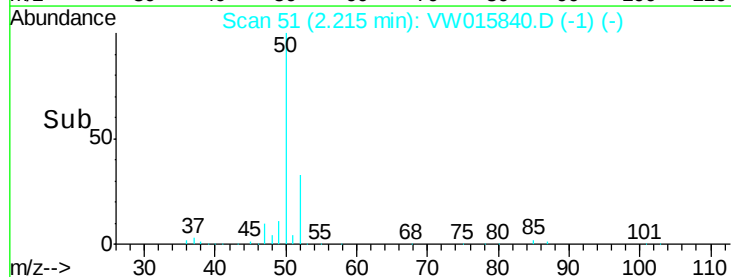
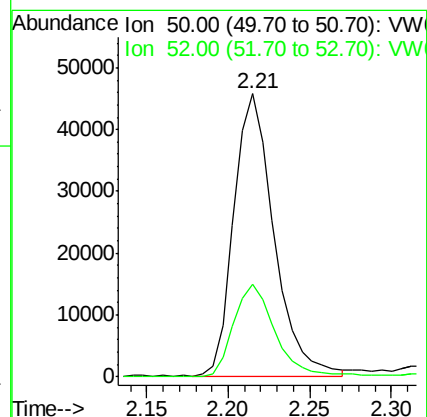
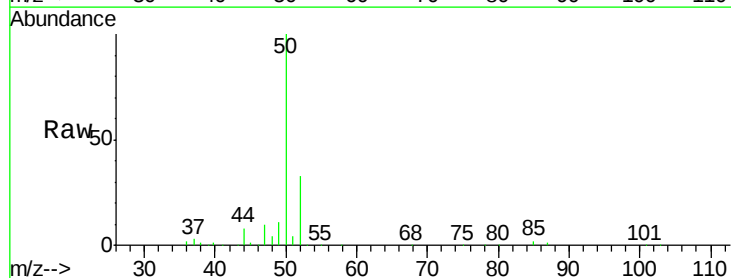
Acq: 13 Jul 2020 11:51

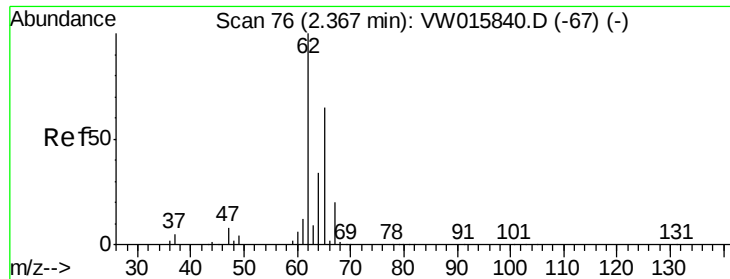
Tgt Ion: 50 Resp: 78028

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4





#5

Vinyl chloride

Concen: 29.189 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

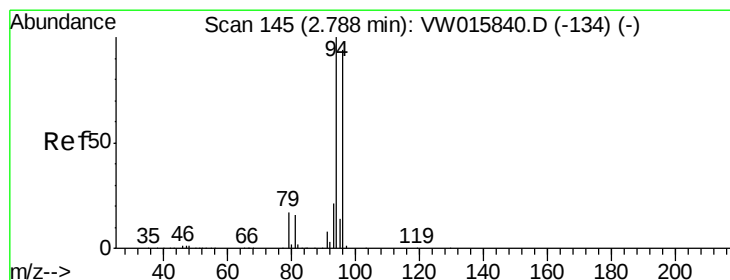
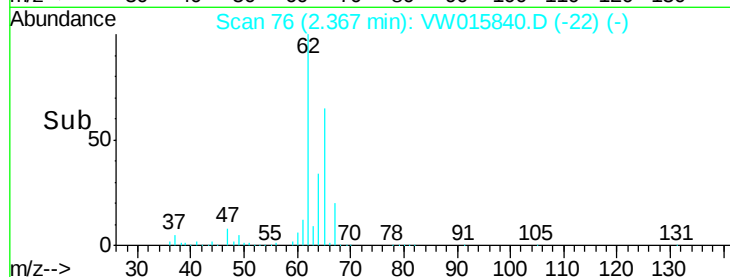
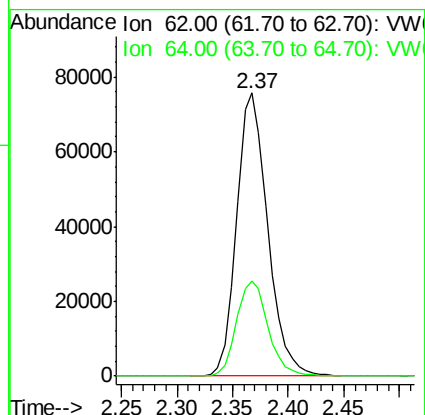
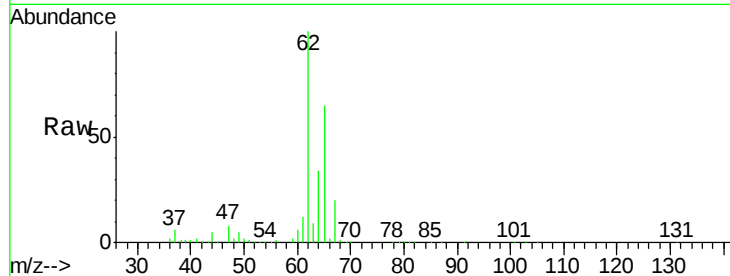
VSTD02501

Tgt Ion: 62 Resp: 146659

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 36.766 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015840.D

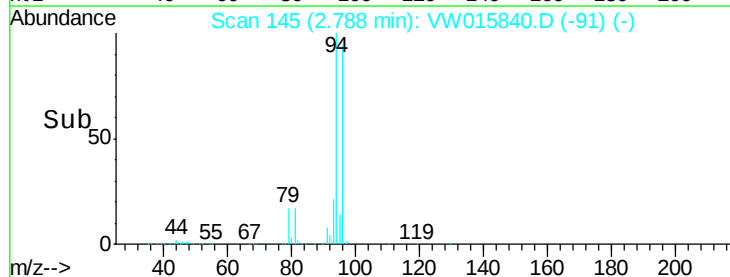
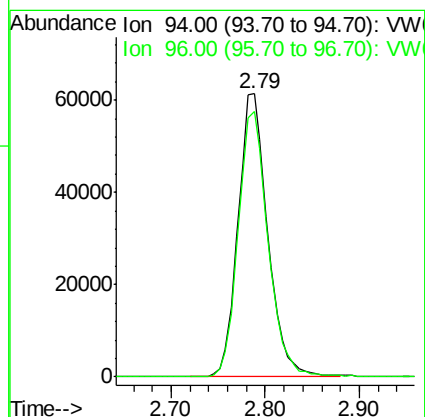
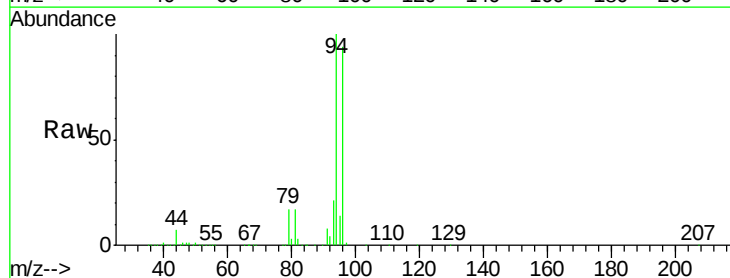
Acq: 13 Jul 2020 11:51

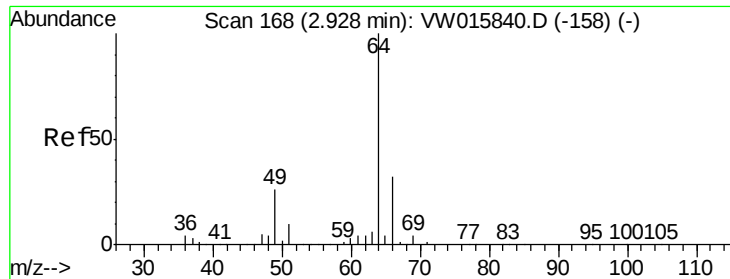
Tgt Ion: 94 Resp: 134366

Ion Ratio Lower Upper

94 100

96 94.2 9.4 179.0





#8

Chloroethane

Concen: 33.659 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

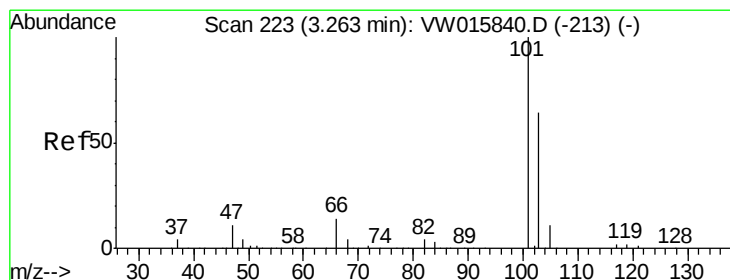
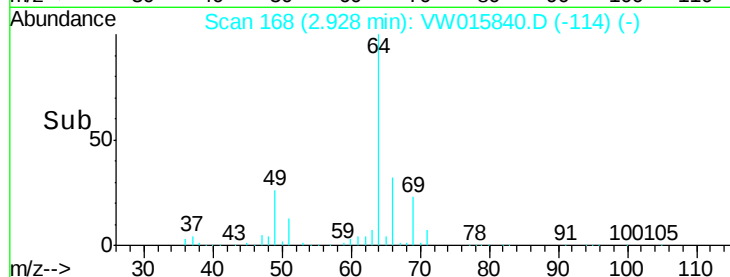
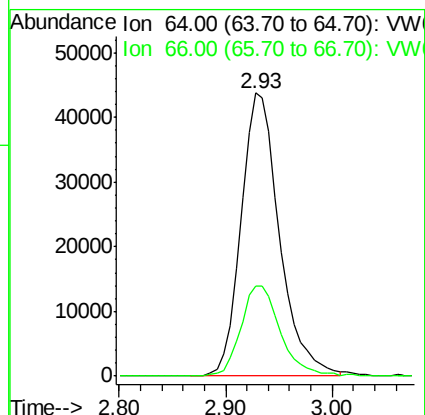
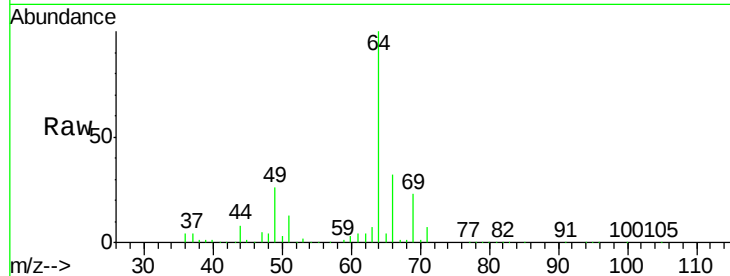
VSTD02501

Tgt Ion: 64 Resp: 110920

Ion Ratio Lower Upper

64 100

66 31.7 22.2 41.2



#9

Trichlorofluoromethane

Concen: 37.620 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015840.D

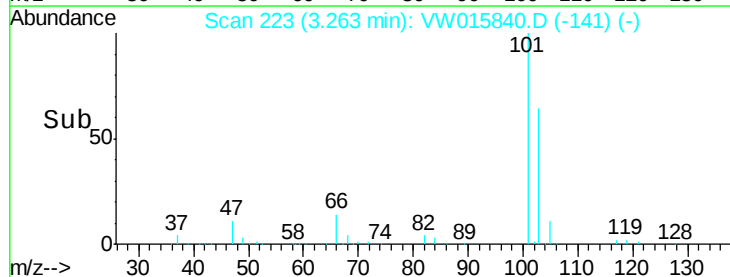
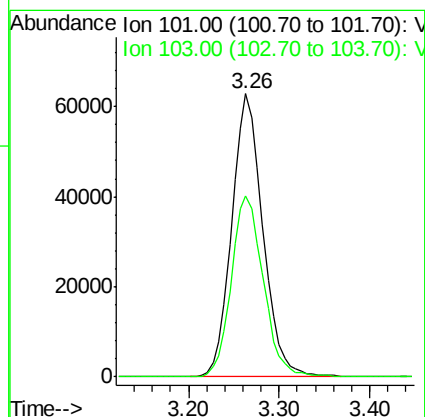
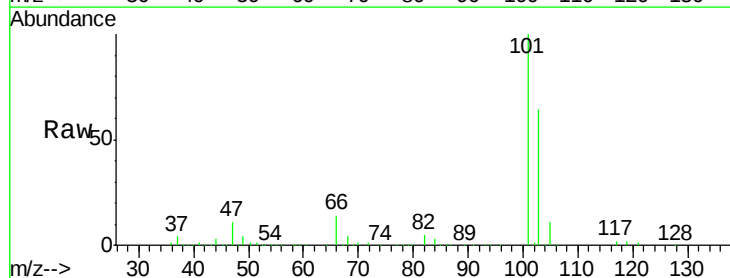
Acq: 13 Jul 2020 11:51

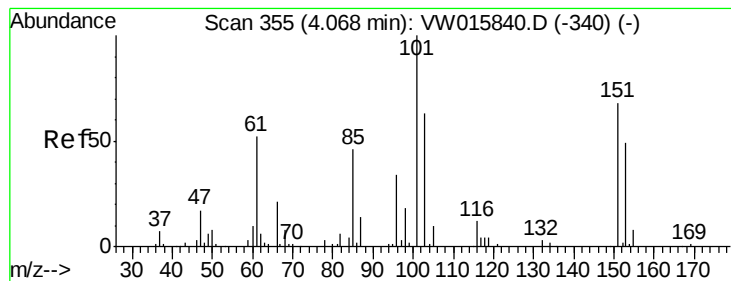
Tgt Ion: 101 Resp: 150905

Ion Ratio Lower Upper

101 100

103 65.8 46.1 85.5





#11

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

Concen: 22.783 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

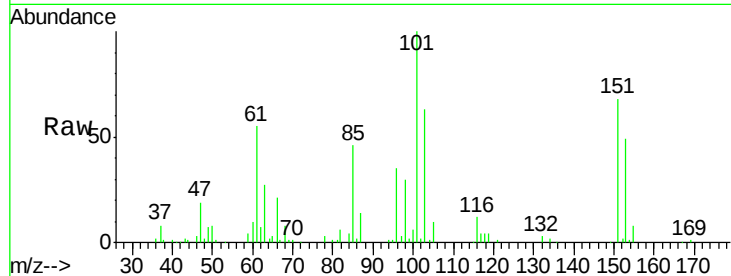
Tgt Ion: 101 Resp: 84828

Ion Ratio Lower Upper

101 100

85 48.5 38.8 58.2

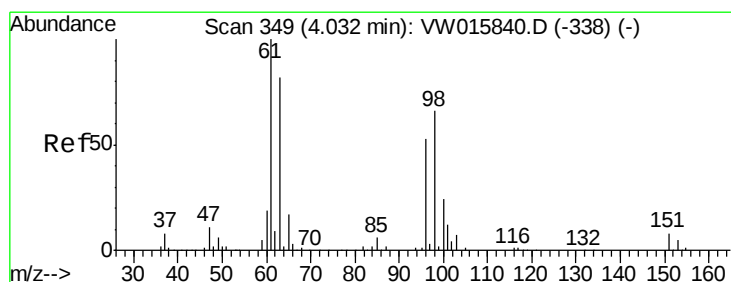
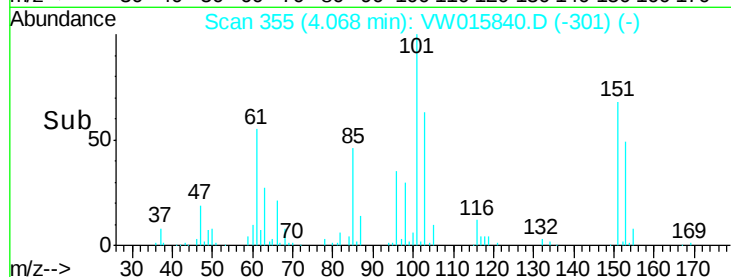
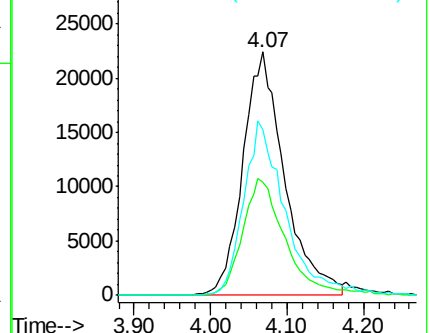
151 69.9 55.9 83.9



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: 22.638 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

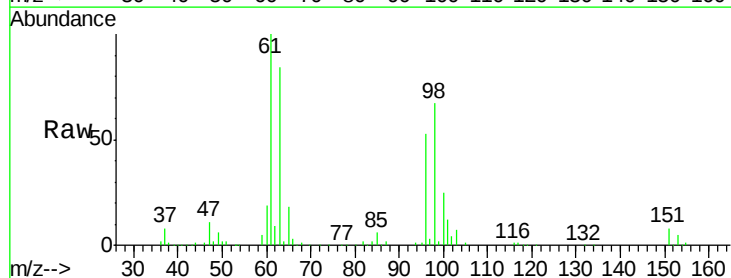
Tgt Ion: 96 Resp: 81360

Ion Ratio Lower Upper

96 100

61 188.1 131.7 244.5

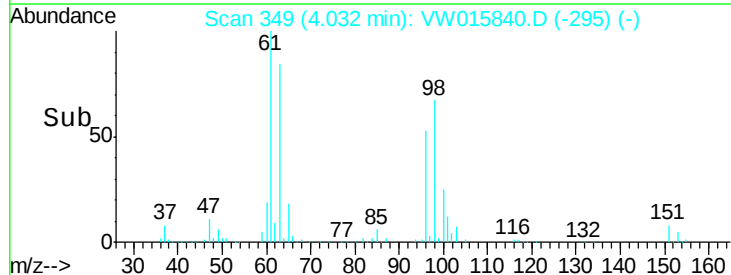
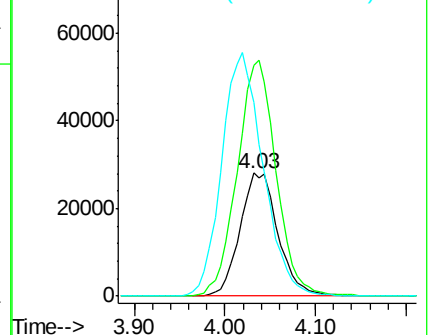
63 157.7 110.4 205.0

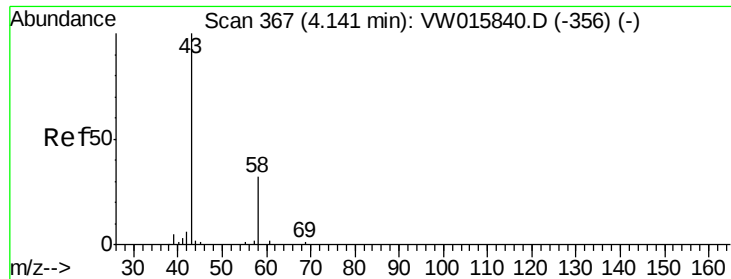


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

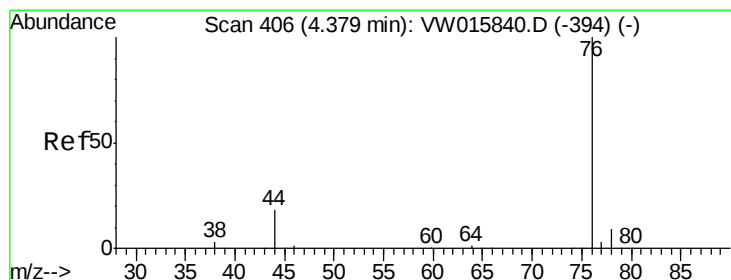
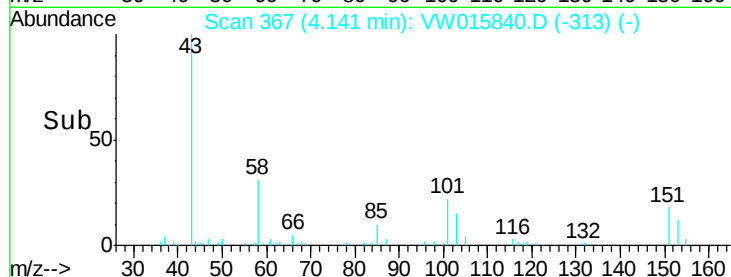
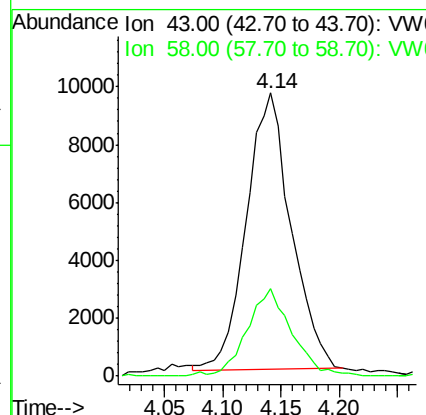
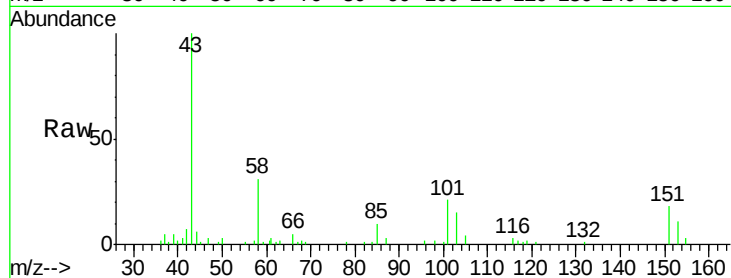




#13
Acetone
Concen: 30.391 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

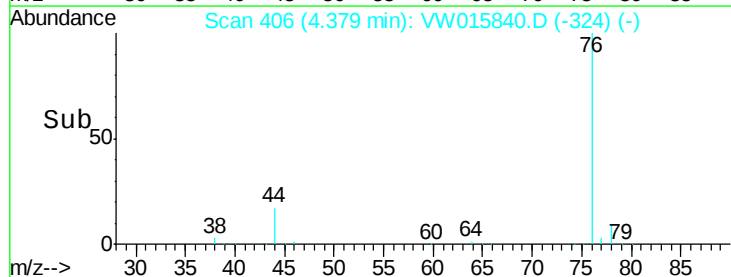
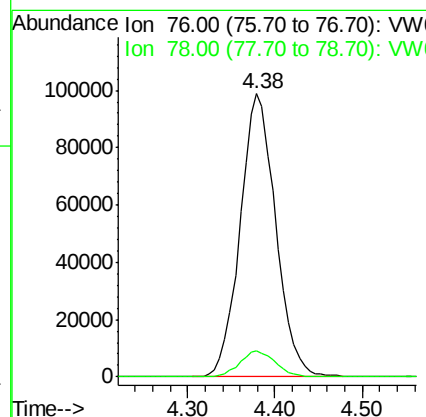
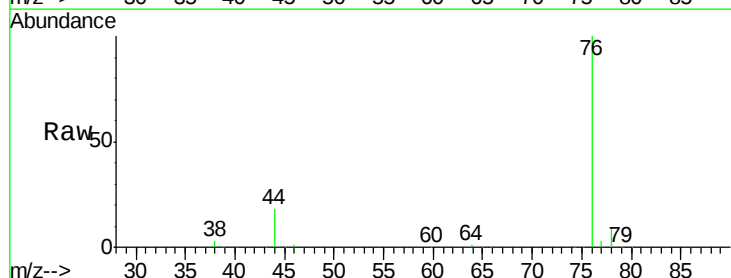
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

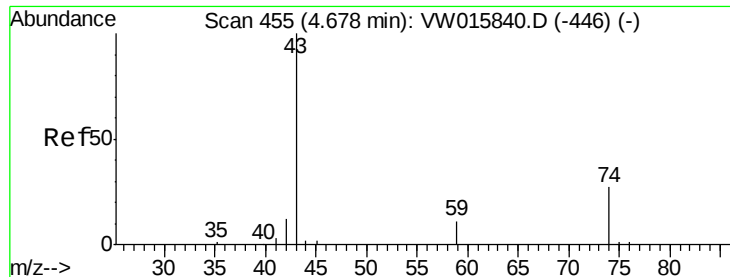
Tgt Ion: 43 Resp: 25593
Ion Ratio Lower Upper
43 100
58 29.7 0.0 59.4



#14
Carbon disulfide
Concen: 24.542 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 76 Resp: 278731
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

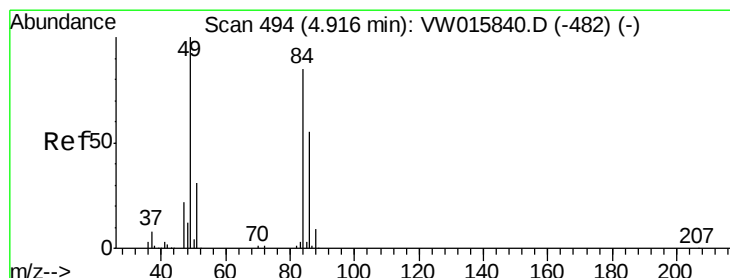
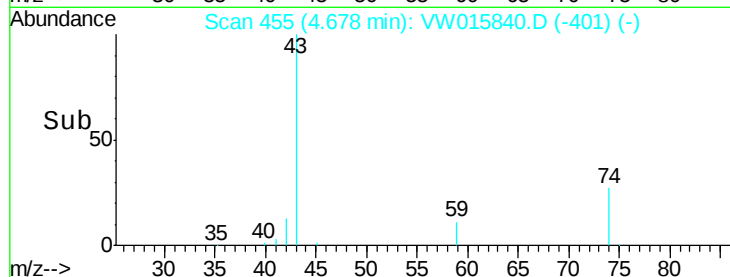
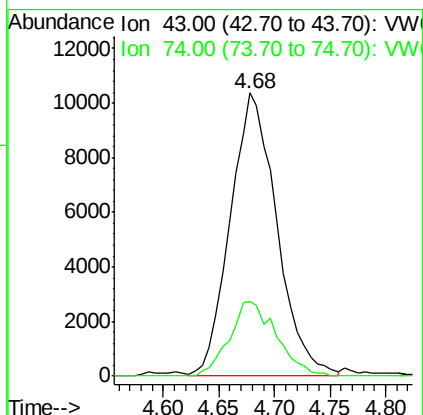
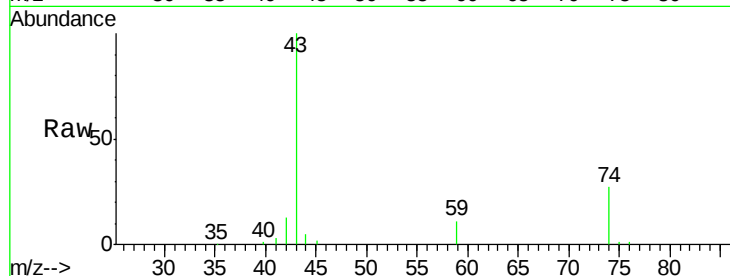




#15
Methyl Acetate
Concen: 19.384 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

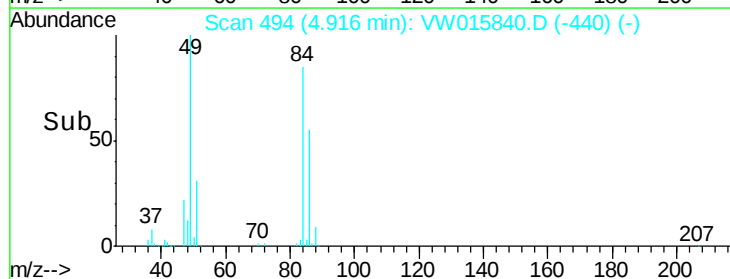
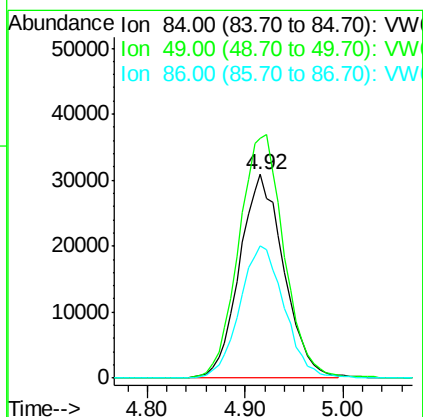
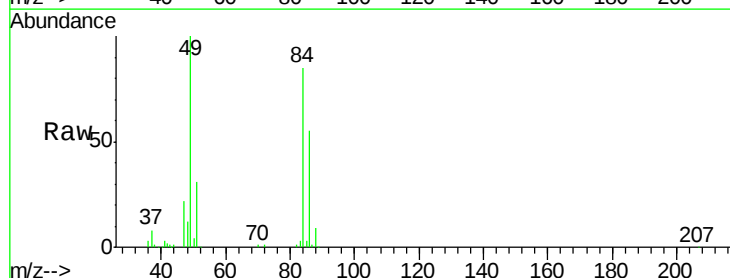
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

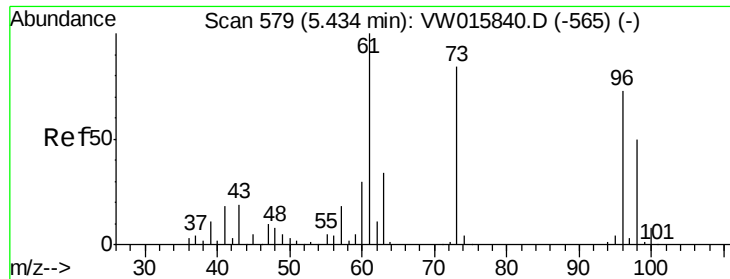
Tgt Ion: 43 Resp: 30030
Ion Ratio Lower Upper
43 100
74 26.7 21.4 32.0



#16
Methylene chloride
Concen: 20.996 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 84 Resp: 96961
Ion Ratio Lower Upper
84 100
49 117.8 82.5 153.1
86 64.8 45.4 84.2

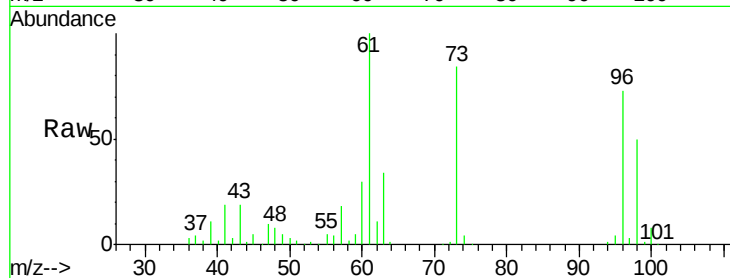




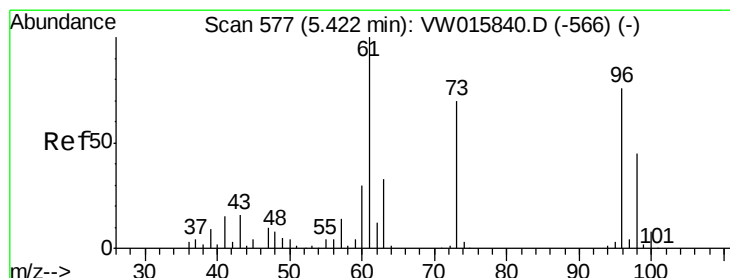
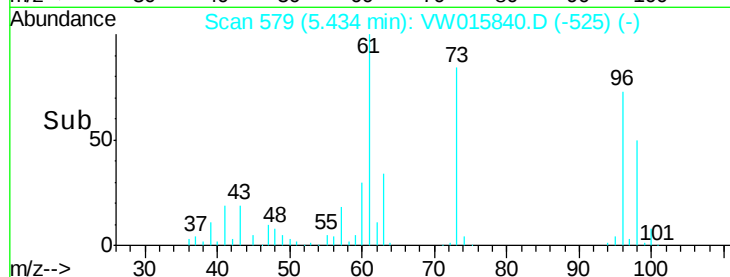
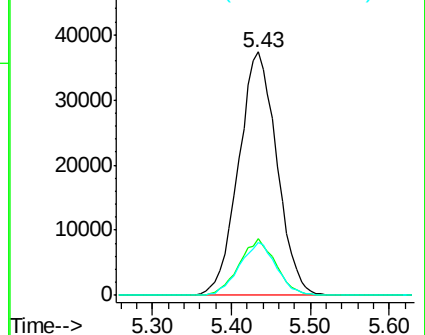
#17
Methyl tert-butyl Ether
Concen: 22.796 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion: 73 Resp: 125959
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.8
57 21.0 16.8 25.2

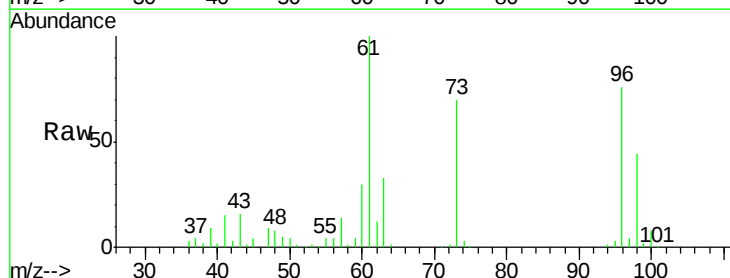


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

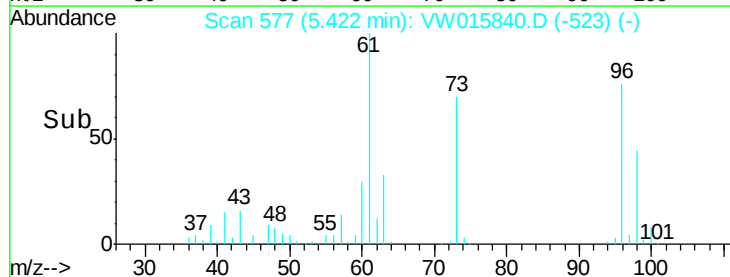
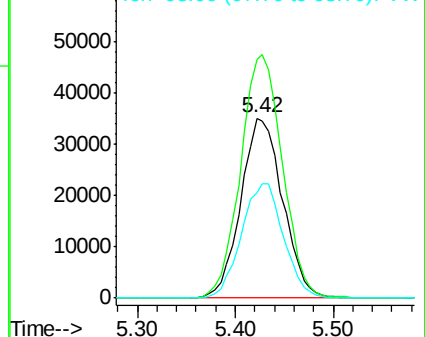


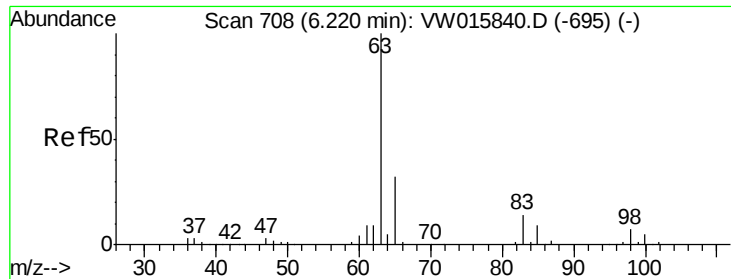
#18
trans-1,2-Dichloroethene
Concen: 26.048 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 96 Resp: 104132
Ion Ratio Lower Upper
96 100
61 132.1 92.5 171.7
98 58.7 41.1 76.3



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

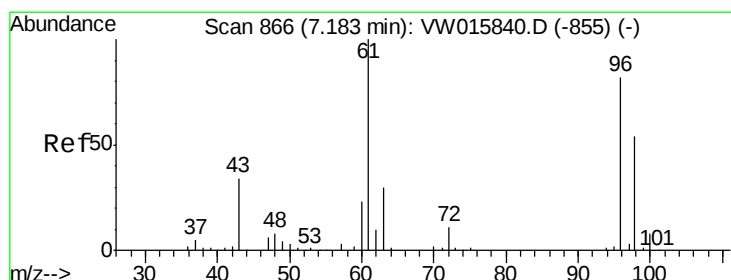
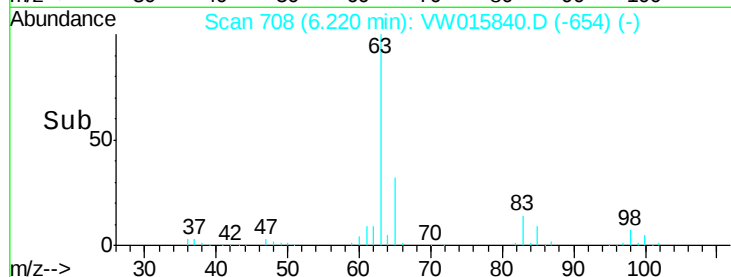
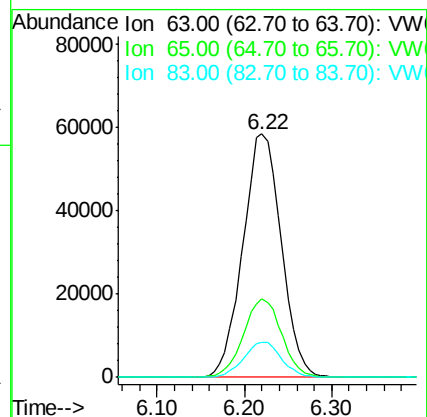
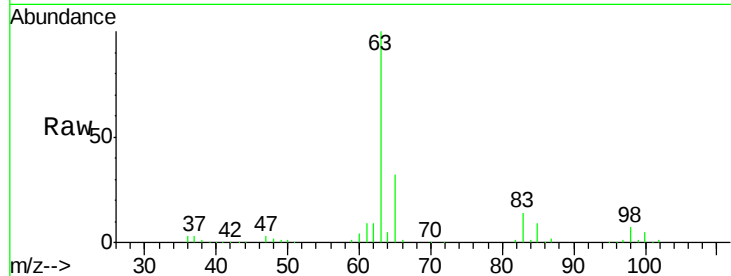




#19
 1,1-Dichloroethane
 Concen: 24.959 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

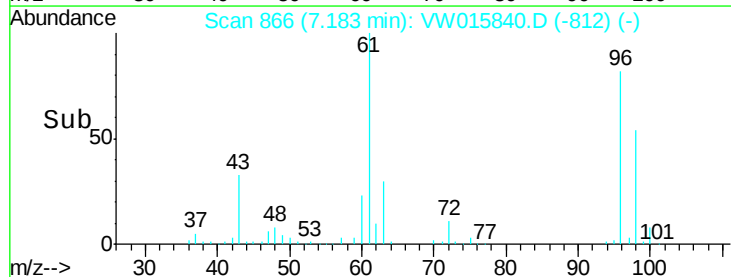
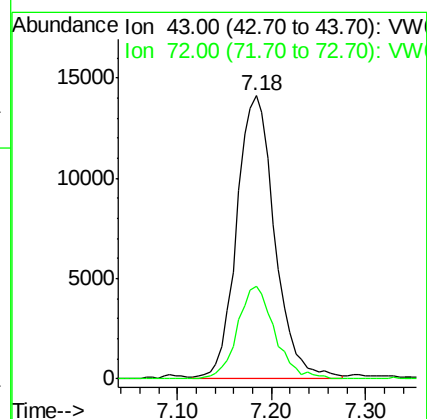
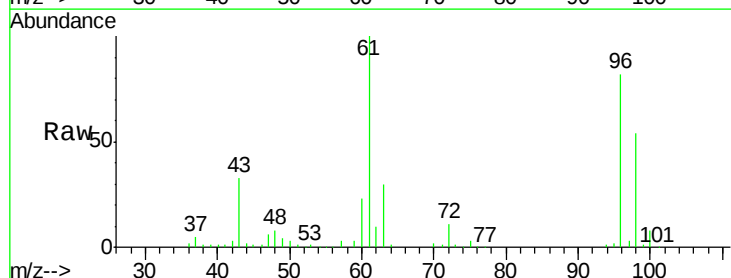
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

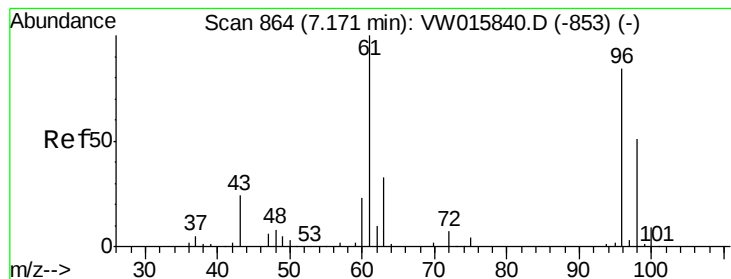
Tgt Ion: 63 Resp: 178478
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 14.2 9.9 18.5



#21
 2-Butanone
 Concen: 37.157 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Tgt Ion: 43 Resp: 39741
 Ion Ratio Lower Upper
 43 100
 72 31.2 15.6 46.7





#22

cis-1,2-Dichloroethene

Concen: 25.945 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

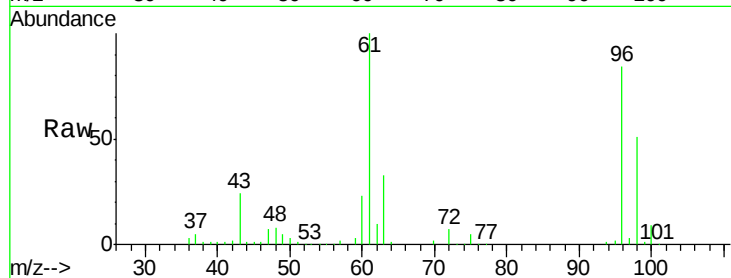
Tgt Ion: 96 Resp: 106806

Ion Ratio Lower Upper

96 100

61 119.6 83.7 155.5

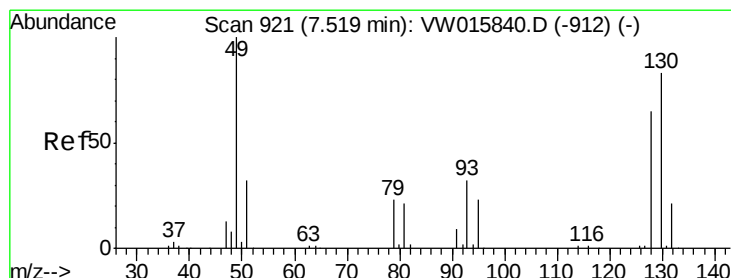
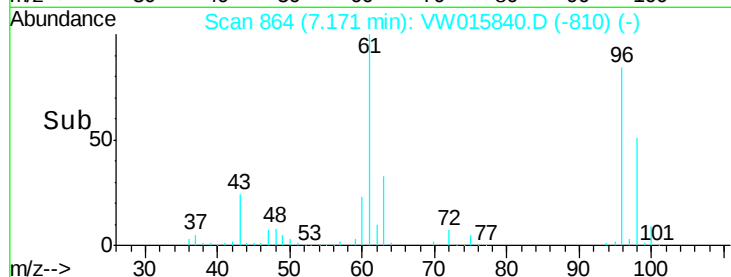
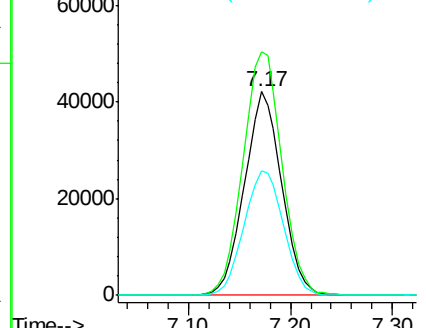
98 61.5 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 26.033 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Tgt Ion: 128 Resp: 47329

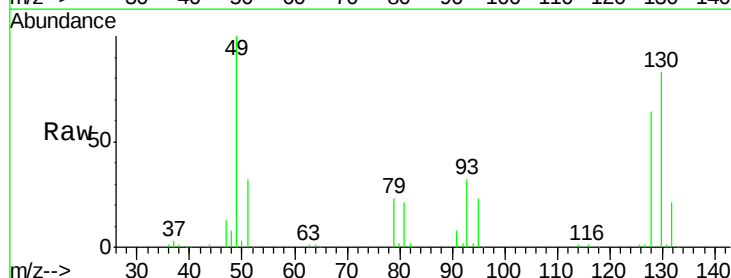
Ion Ratio Lower Upper

128 100

49 155.5 108.8 202.2

130 128.3 89.8 166.8

51 49.4 39.5 59.3

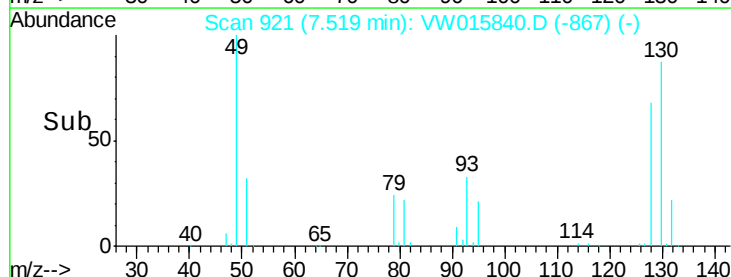
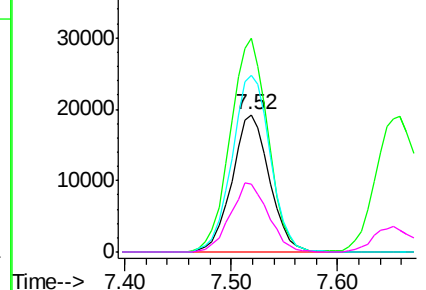


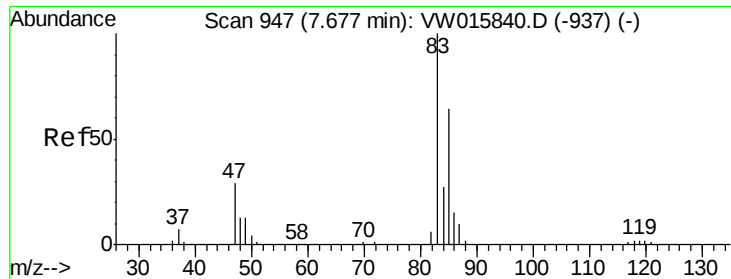
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

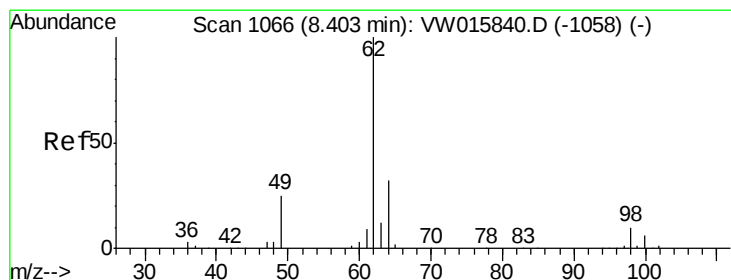
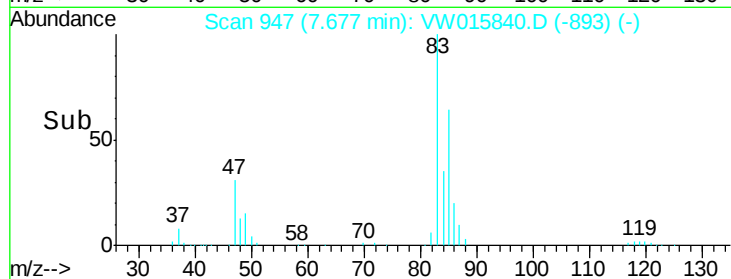
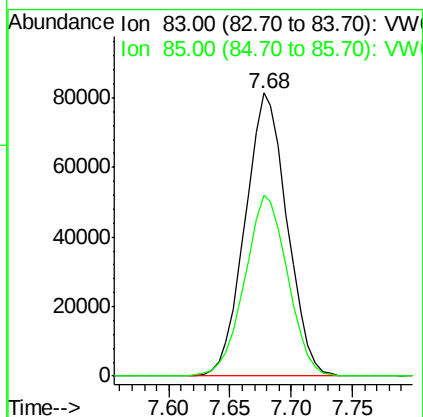
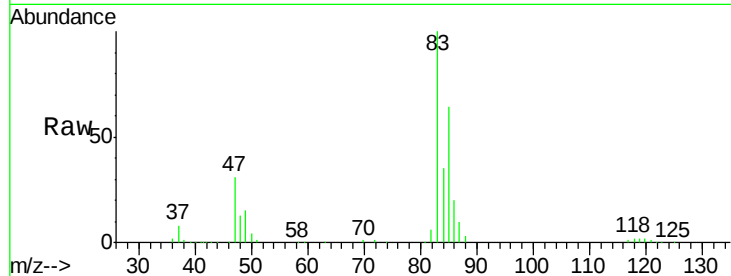




#25
Chloroform
Concen: 26.615 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

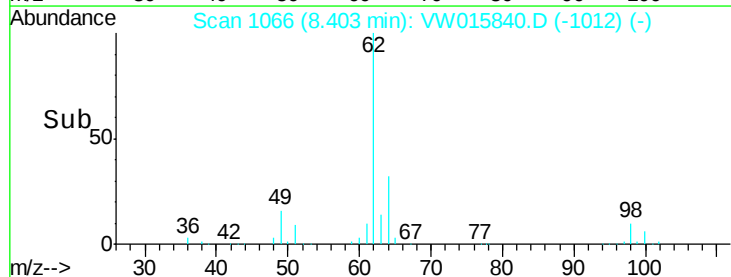
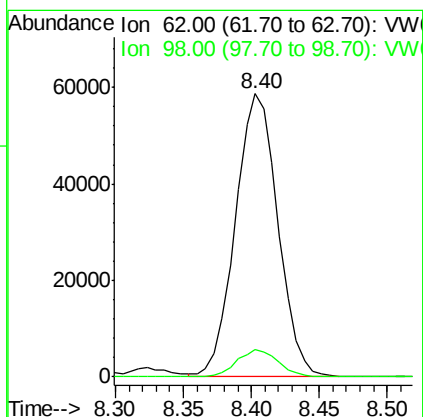
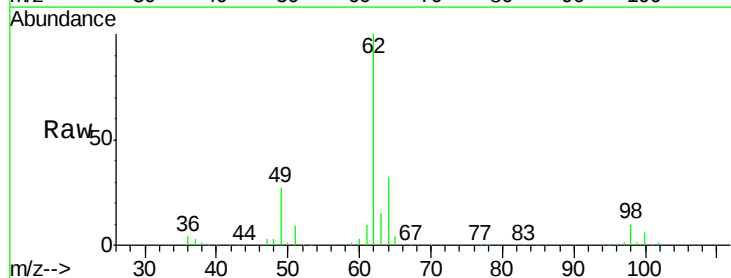
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

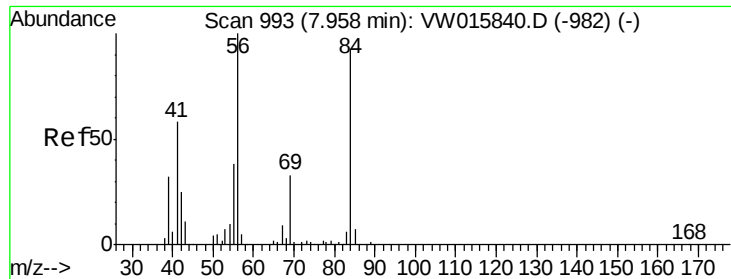
Tgt Ion: 83 Resp: 194692
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.419 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 62 Resp: 127822
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

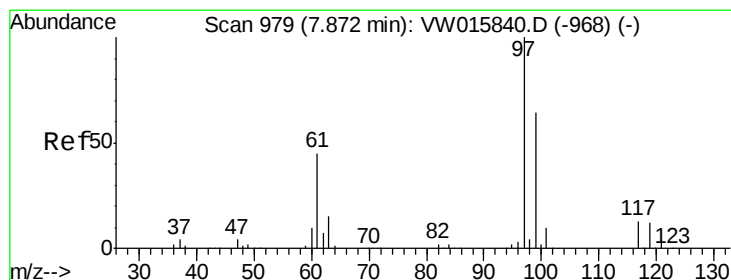
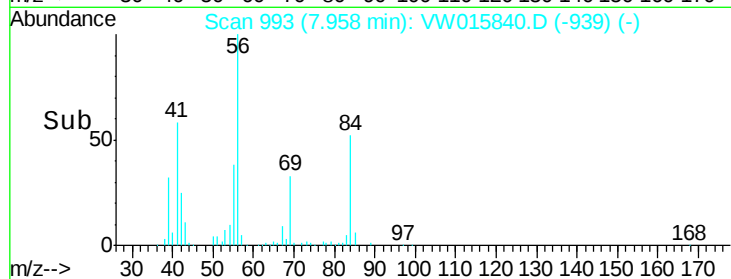
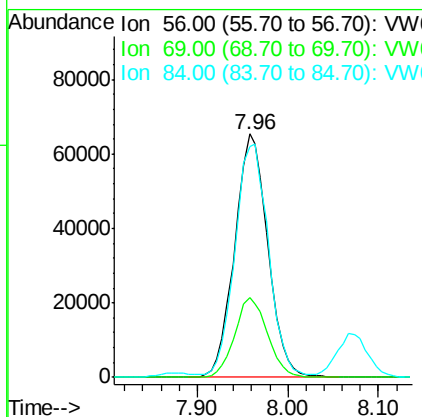
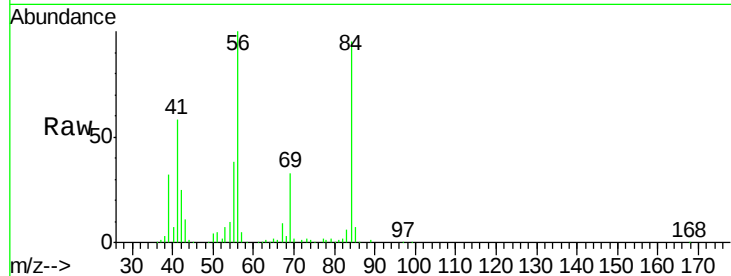




#30
Cyclohexane
Concen: 24.128 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

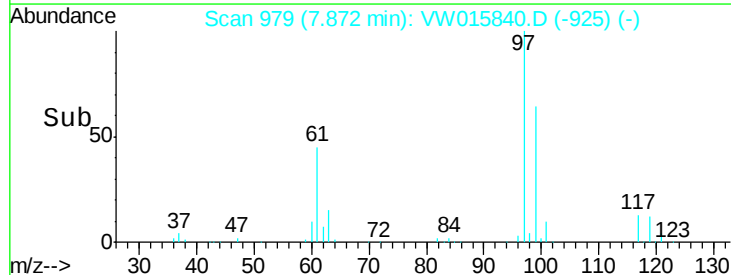
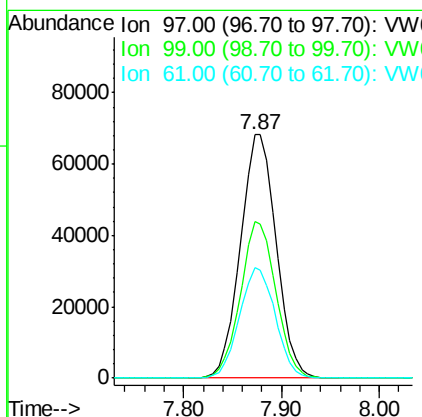
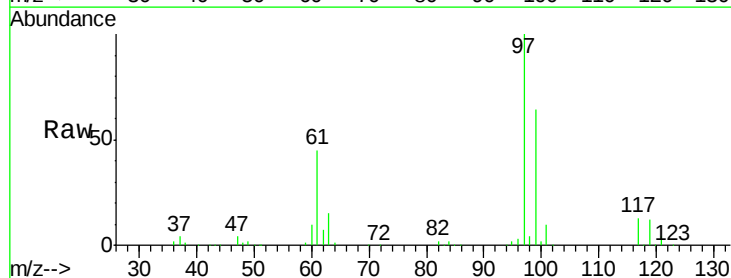
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

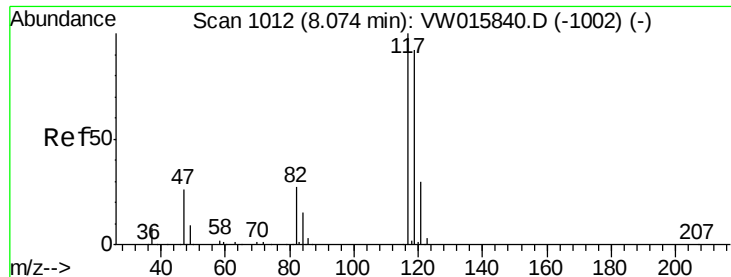
Tgt Ion: 56 Resp: 165590
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 97.9 78.3 117.5



#31
1,1,1-Trichloroethane
Concen: 25.811 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 97 Resp: 174037
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 45.2 36.2 54.2





#32

Carbon tetrachloride

Concen: 26.775 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

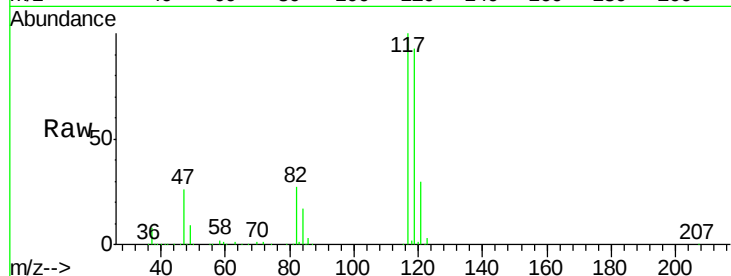
VSTD02501

Tgt Ion:117 Resp: 164629

Ion Ratio Lower Upper

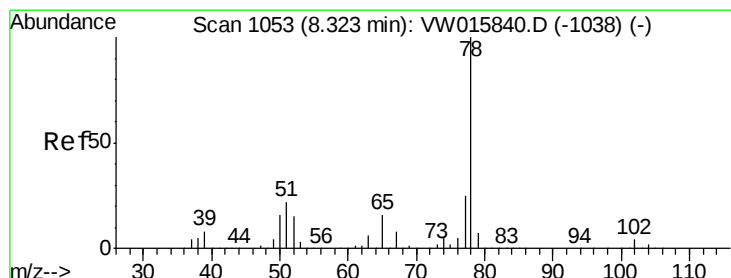
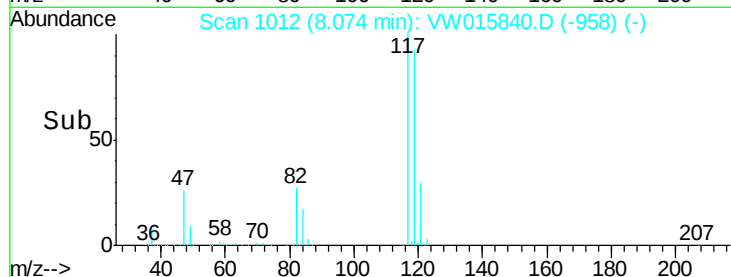
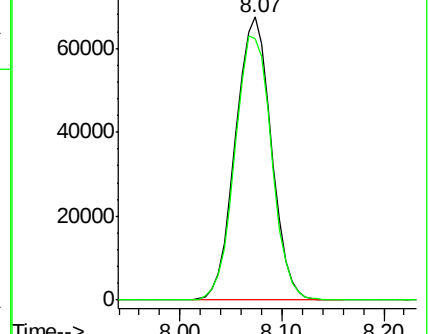
117 100

119 95.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.760 ug/L

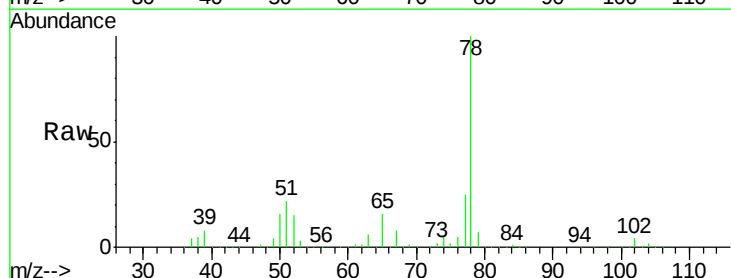
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

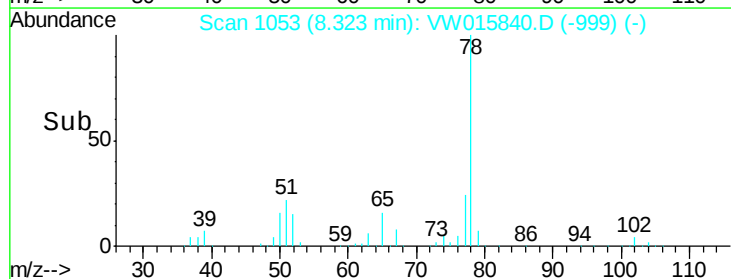
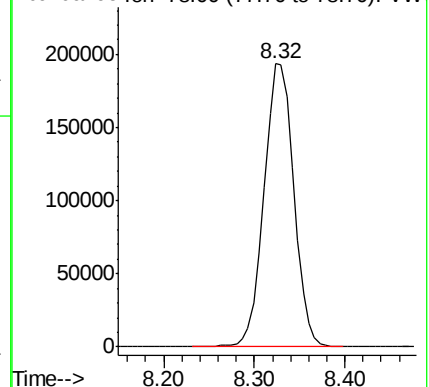
Lab File: VW015840.D

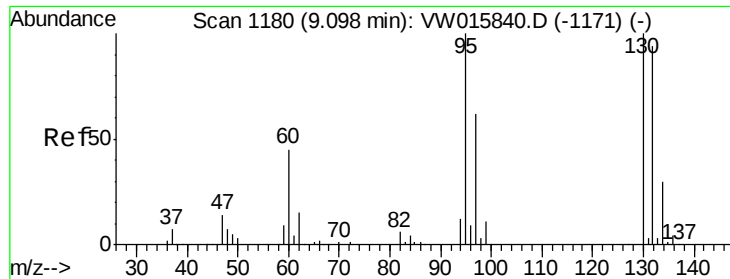
Acq: 13 Jul 2020 11:51

Tgt Ion: 78 Resp: 440405



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.112 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 95 Resp: 119795

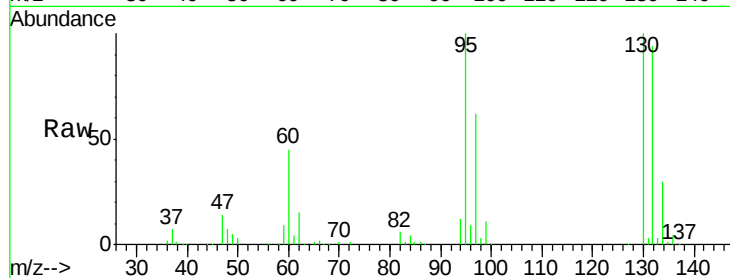
Ion Ratio Lower Upper

95 100

97 63.7 44.6 82.8

132 95.7 67.0 124.4

130 100.1 70.1 130.1

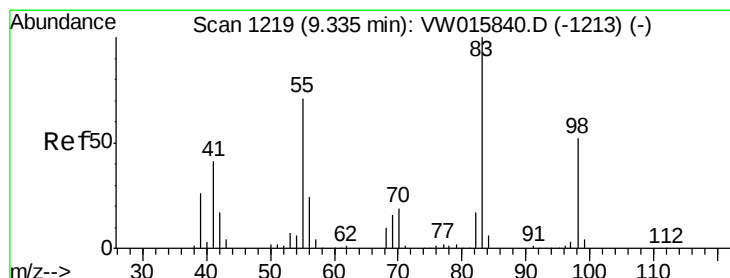
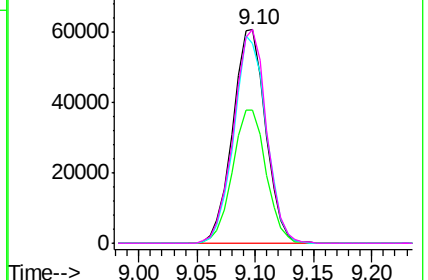
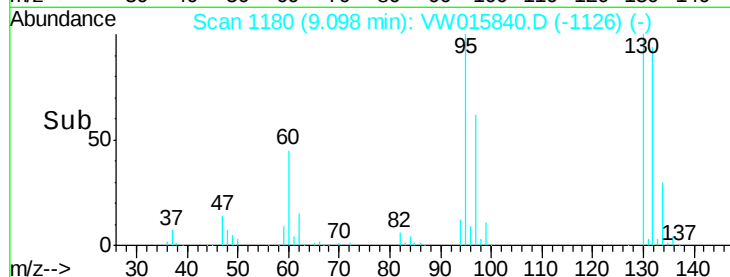


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.848 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

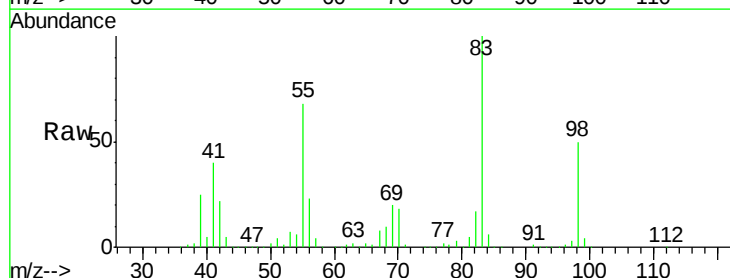
Tgt Ion: 83 Resp: 212870

Ion Ratio Lower Upper

83 100

55 69.4 55.5 83.3

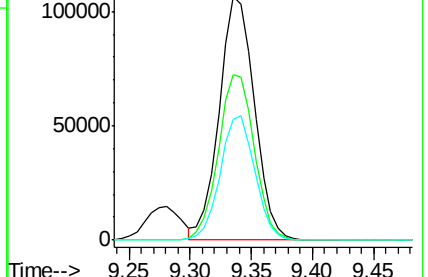
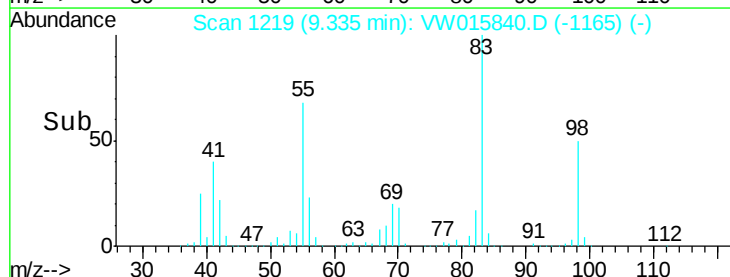
98 50.3 40.2 60.4

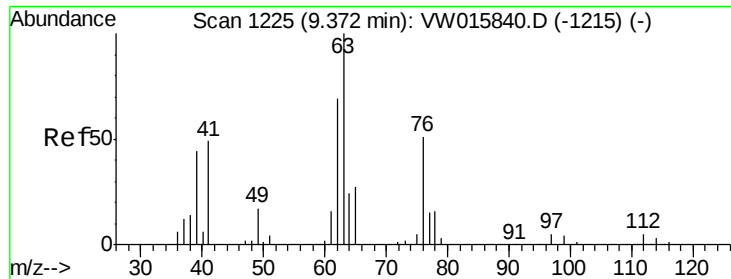


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

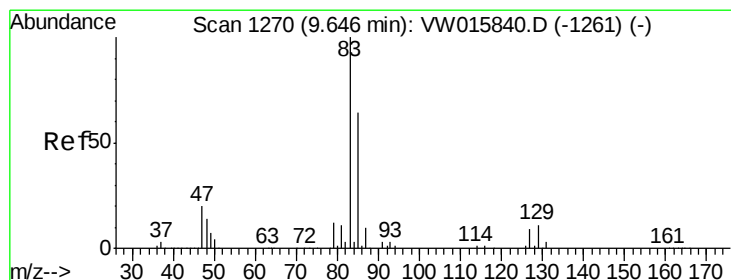
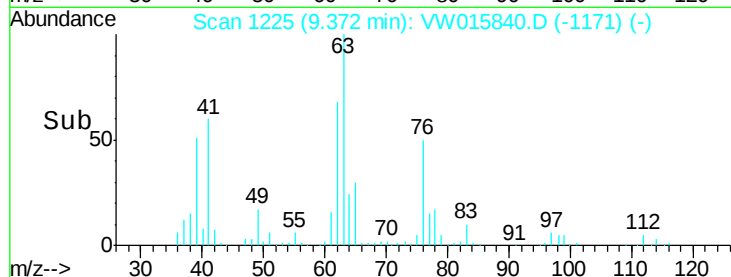
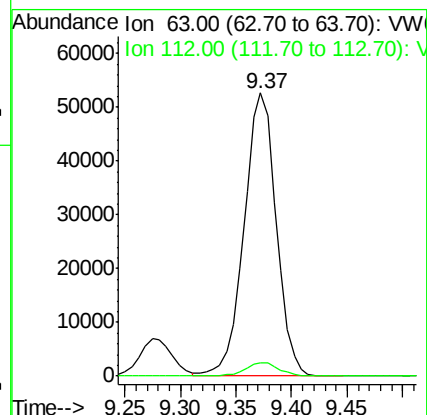
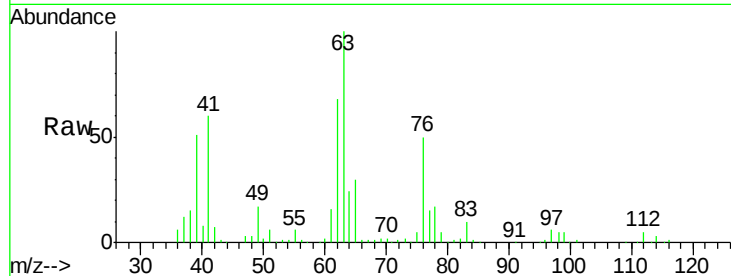




#40
 1,2-Dichloropropane
 Concen: 25.395 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

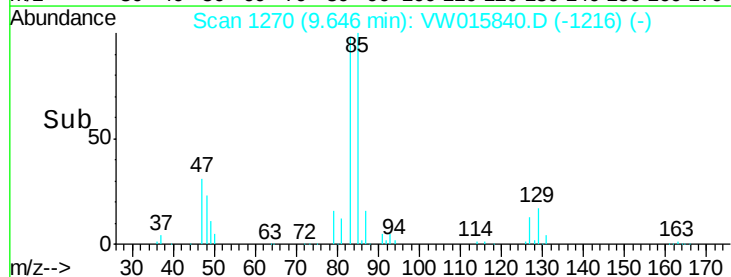
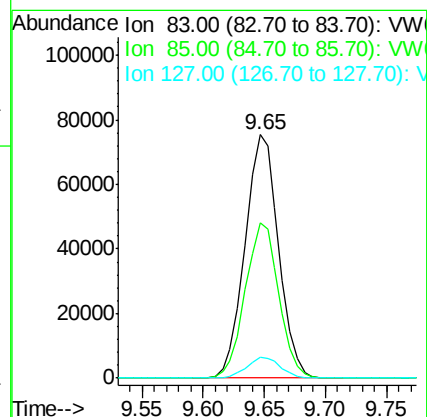
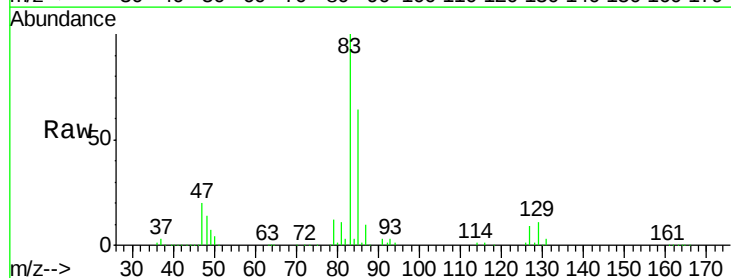
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

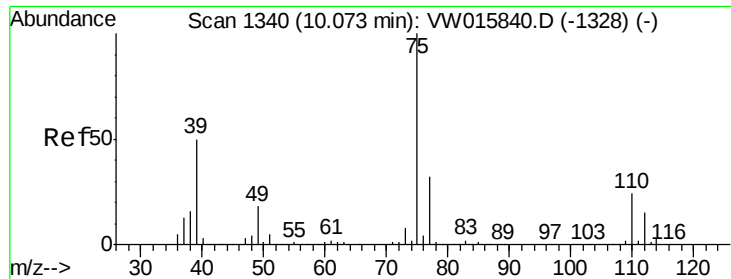
Tgt Ion: 63 Resp: 105566
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#41
 Bromodichloromethane
 Concen: 26.411 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Tgt Ion: 83 Resp: 143409
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.6 82.8
 127 8.5 6.8 10.2

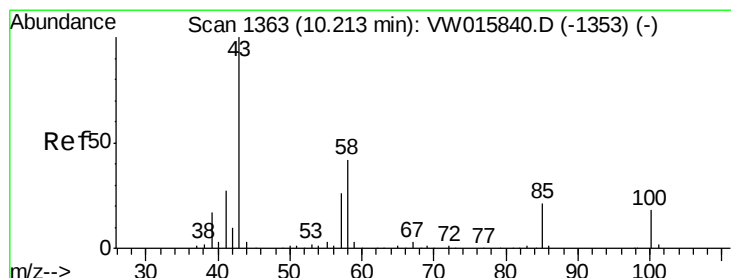
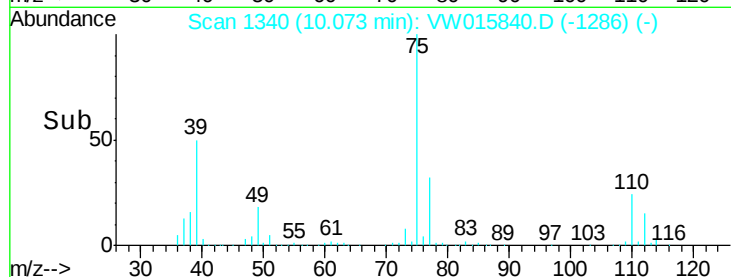
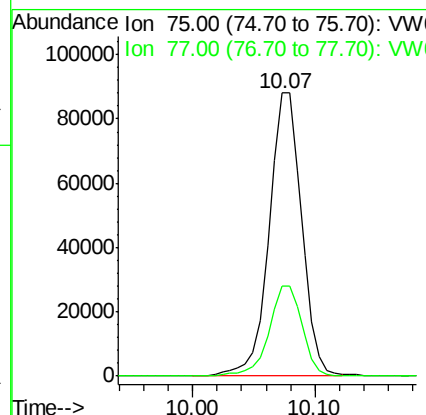
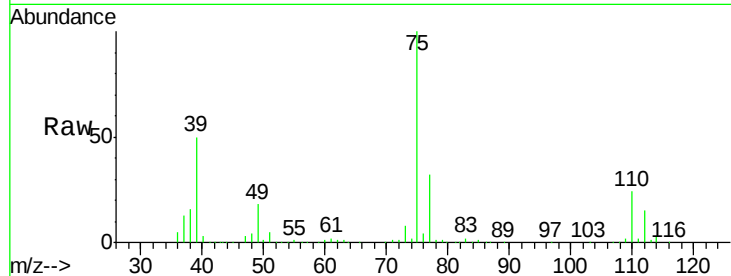




#42
 cis-1,3-Dichloropropene
 Concen: 25.245 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

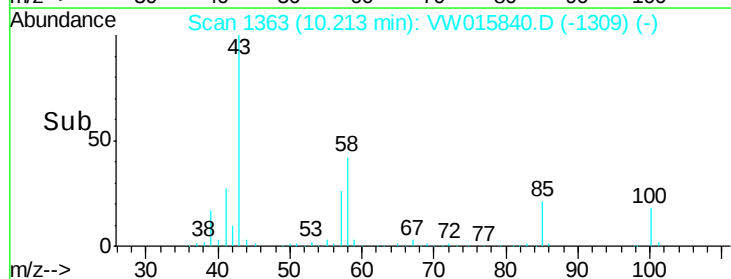
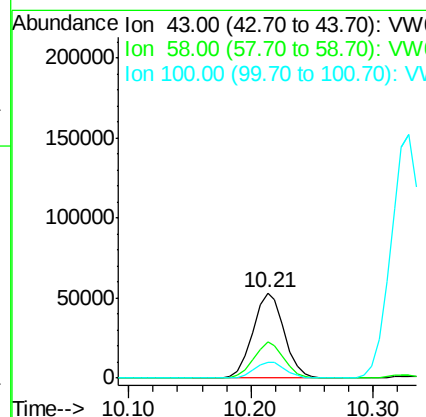
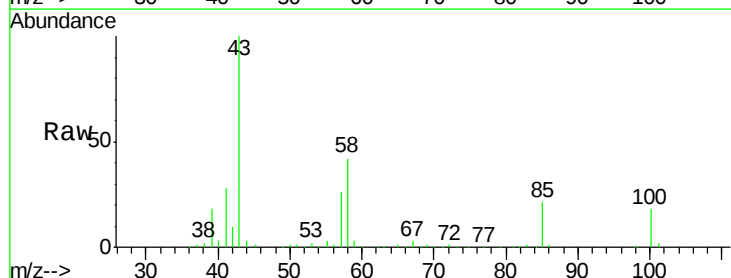
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

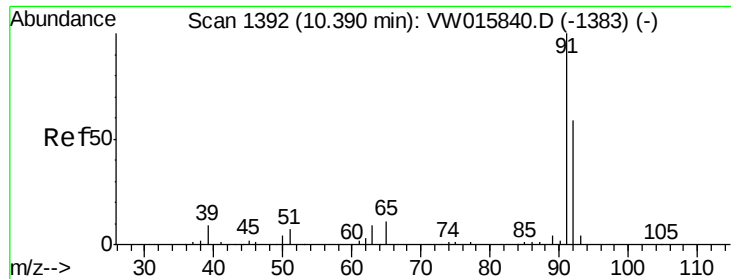
Tgt Ion: 75 Resp: 163077
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 41.133 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Tgt Ion: 43 Resp: 95101
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.0 49.4
 100 18.8 15.0 22.6





#44

Toluene

Concen: 27.248 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampled :

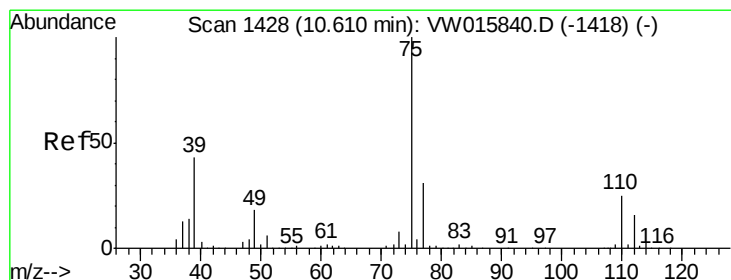
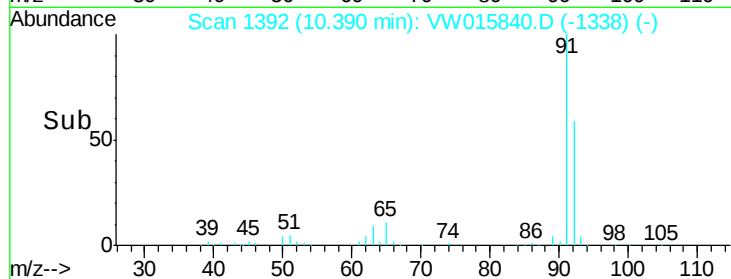
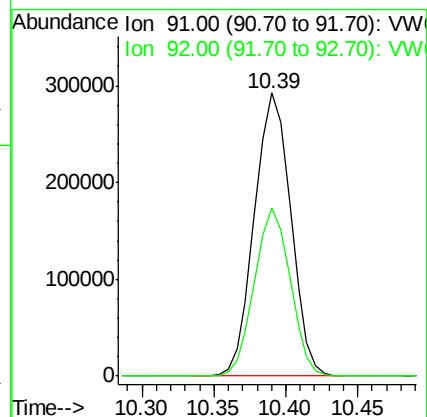
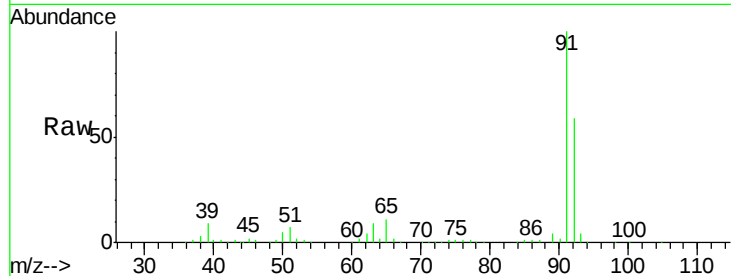
VSTD02501

Tgt Ion: 91 Resp: 511451

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 25.545 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015840.D

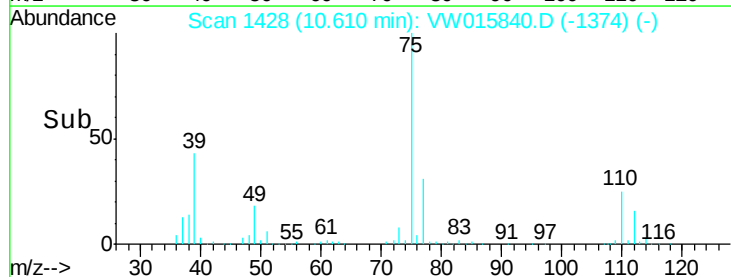
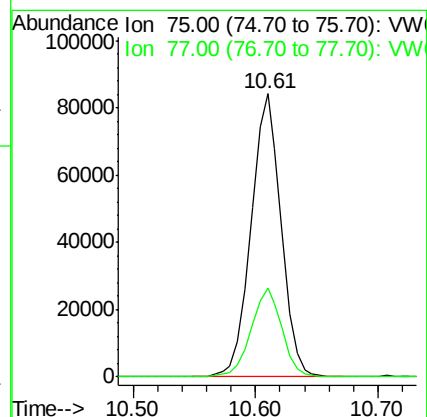
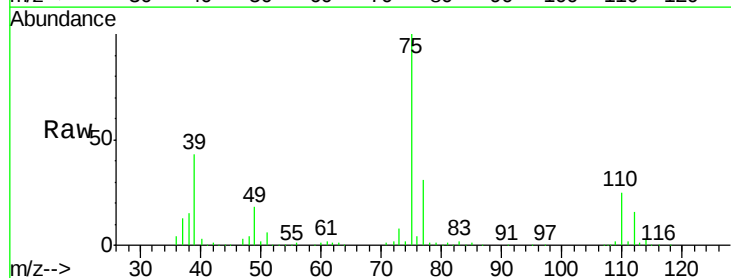
Acq: 13 Jul 2020 11:51

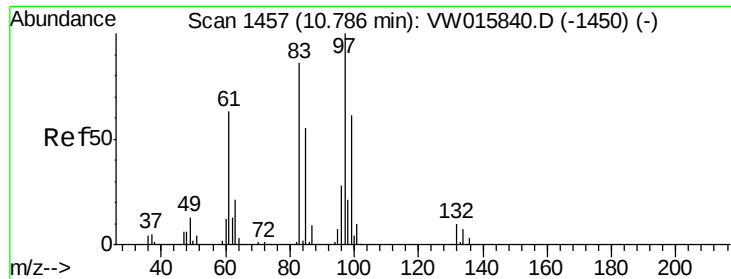
Tgt Ion: 75 Resp: 143764

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

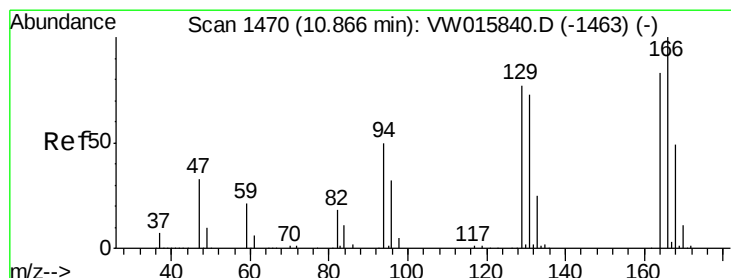
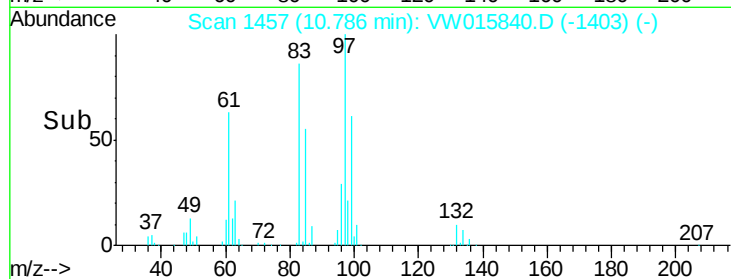
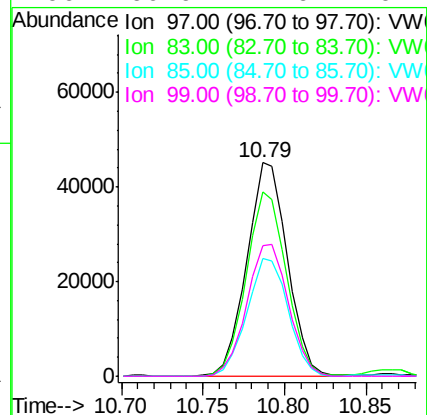
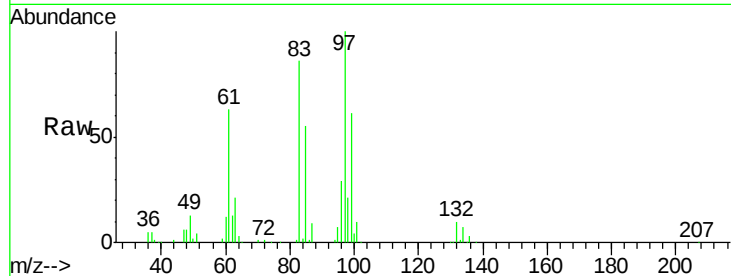




#46
 1,1,2-Trichloroethane
 Concen: 25.950 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

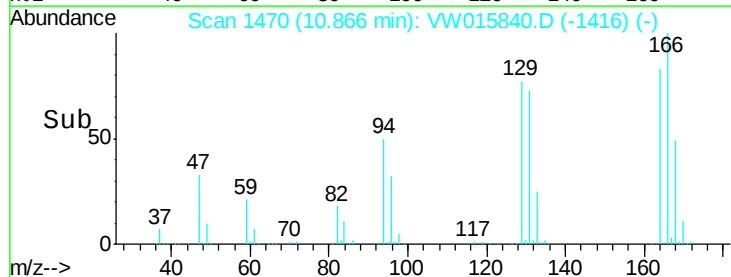
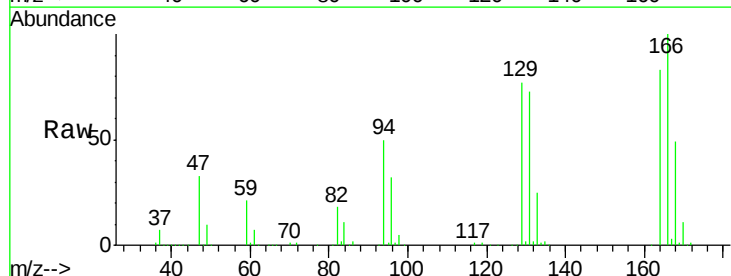
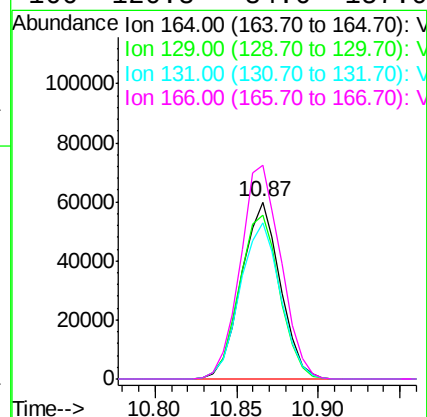
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

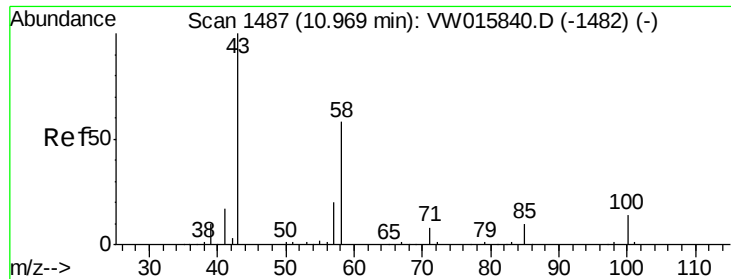
Tgt Ion: 97 Resp: 78448
 Ion Ratio Lower Upper
 97 100
 83 86.2 60.3 112.1
 85 55.1 38.6 71.6
 99 60.9 42.6 79.2



#47
 Tetrachloroethene
 Concen: 26.852 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Tgt Ion: 164 Resp: 99587
 Ion Ratio Lower Upper
 164 100
 129 93.0 65.1 120.9
 131 88.6 62.0 115.2
 166 120.8 84.6 157.0

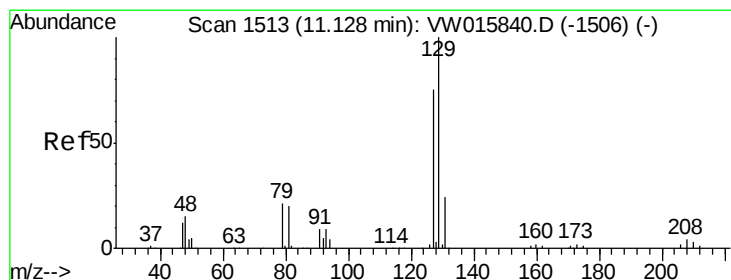
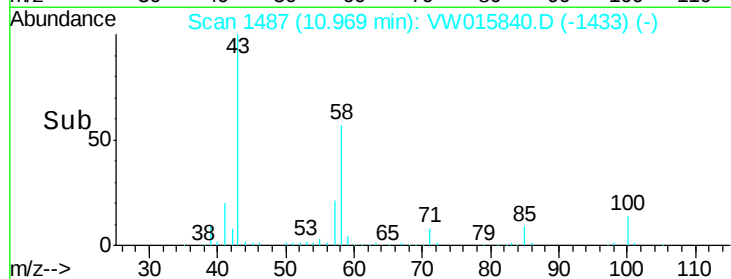
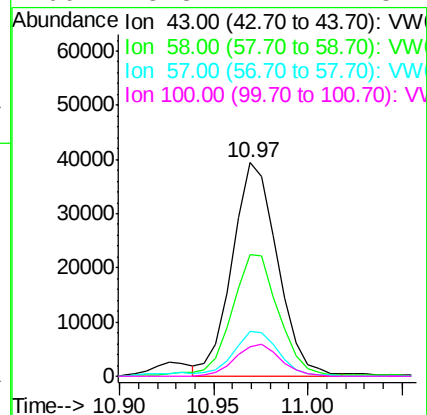
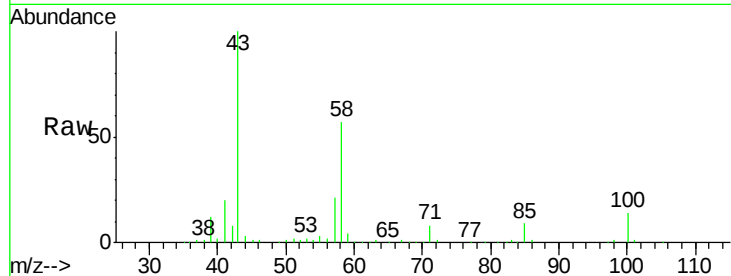




#49
2-Hexanone
Concen: 40.417 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

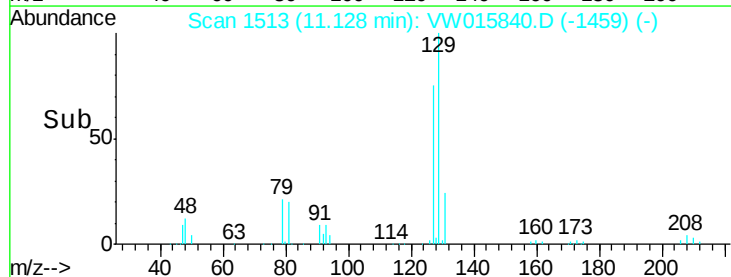
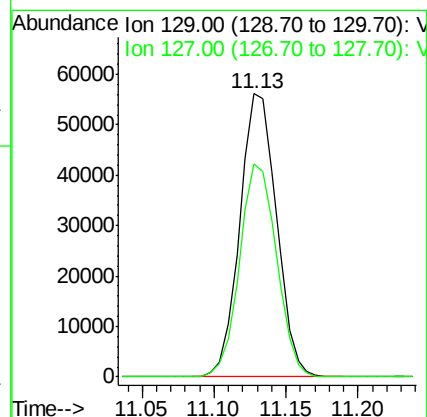
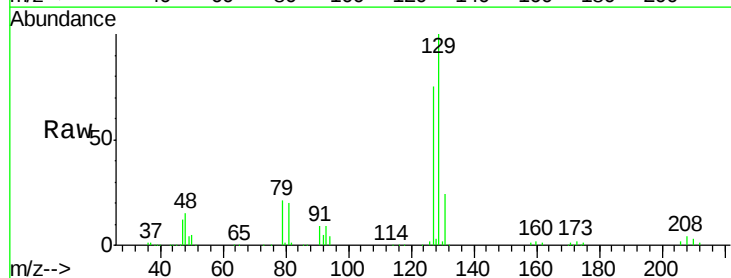
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

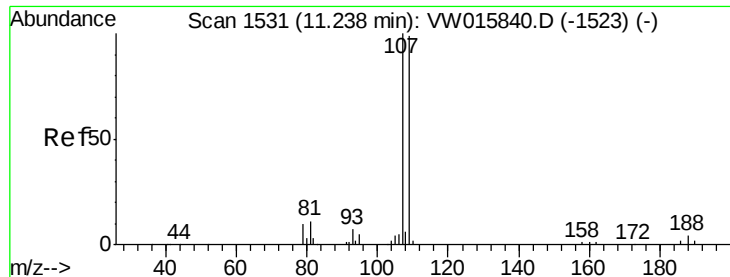
Tgt Ion: 43 Resp: 65413
Ion Ratio Lower Upper
43 100
58 57.3 45.8 68.8
57 21.1 16.9 25.3
100 15.3 12.2 18.4



#50
Dibromochloromethane
Concen: 27.709 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 129 Resp: 99471
Ion Ratio Lower Upper
129 100
127 75.1 52.6 97.6

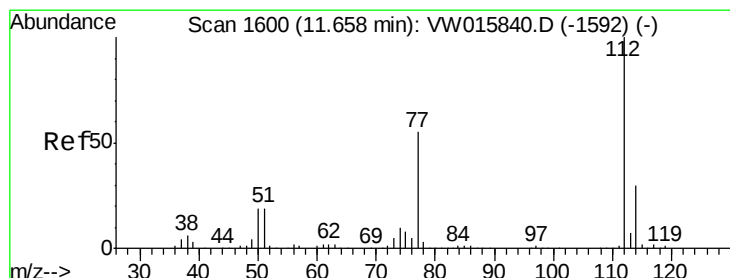
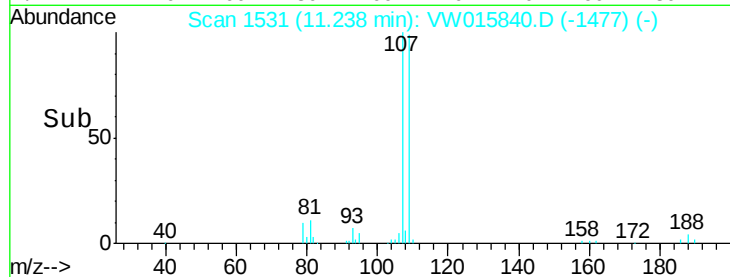
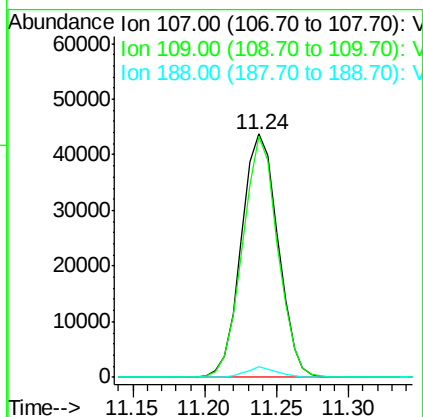
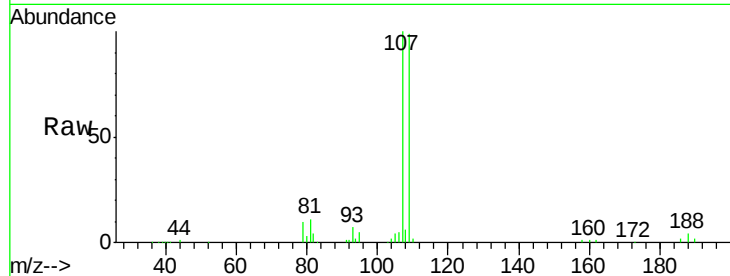




#51
1,2-Dibromoethane
Concen: 26.242 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

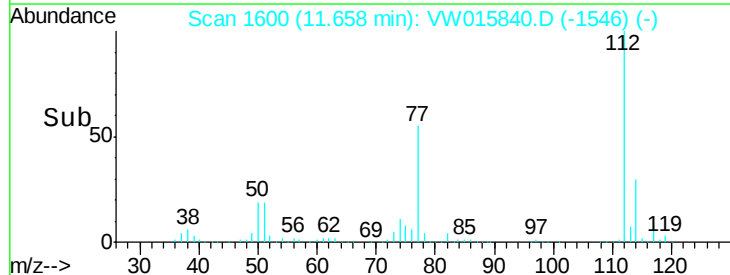
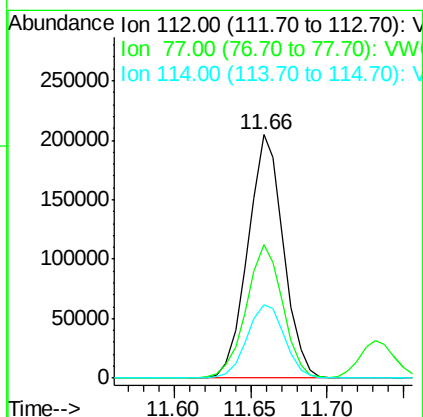
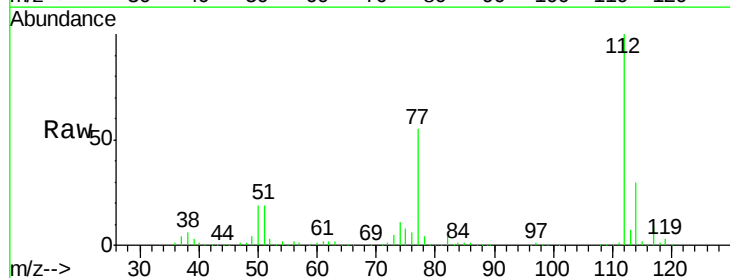
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

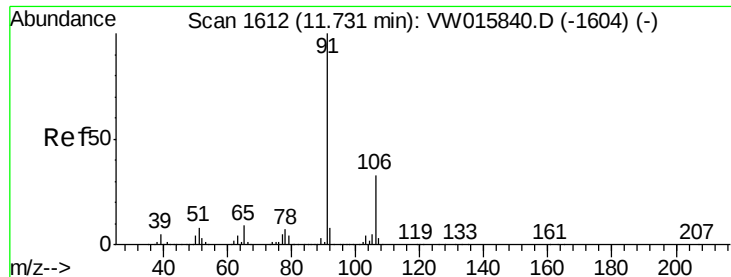
Tgt Ion:107 Resp: 77252
Ion Ratio Lower Upper
107 100
109 99.0 69.3 128.7
188 4.1 3.3 4.9



#52
Chlorobenzene
Concen: 27.799 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion:112 Resp: 330865
Ion Ratio Lower Upper
112 100
77 54.9 43.9 65.9
114 29.9 20.9 38.9

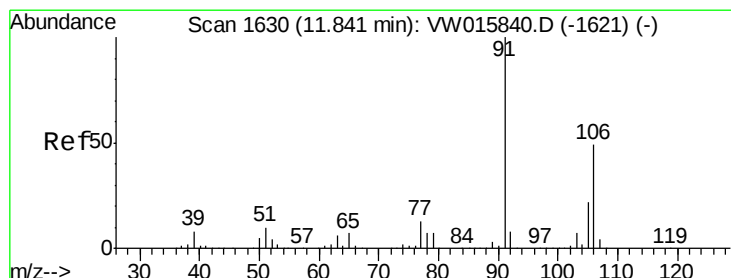
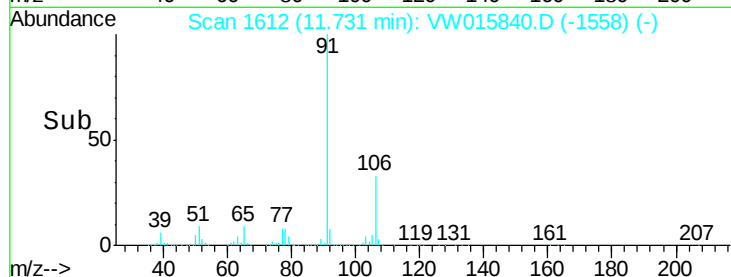
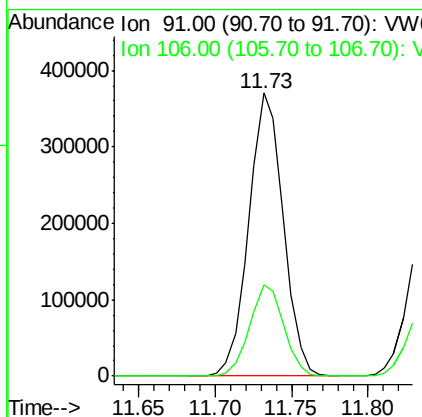
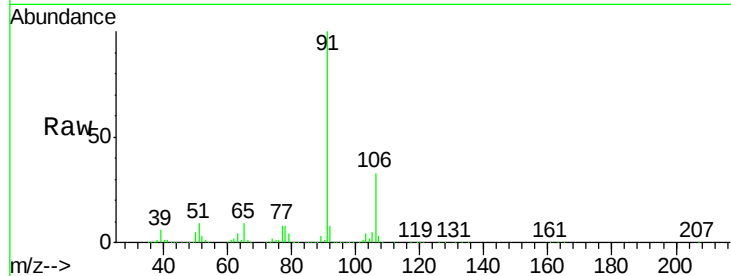




#53
Ethylbenzene
Concen: 27.413 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

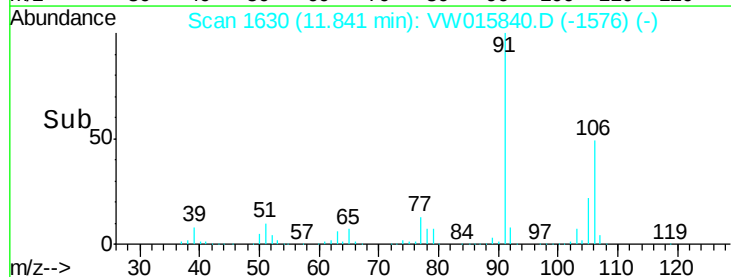
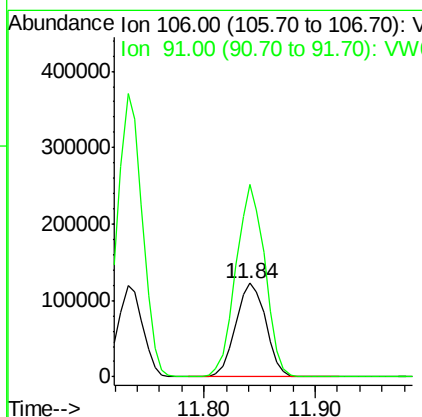
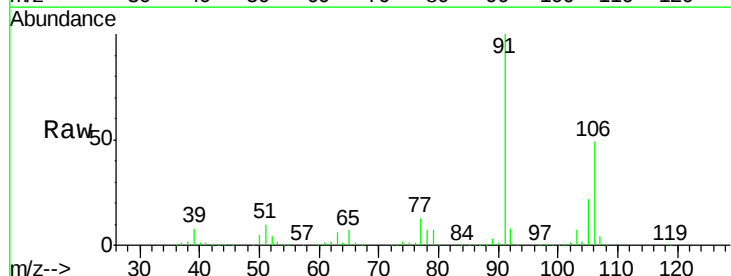
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

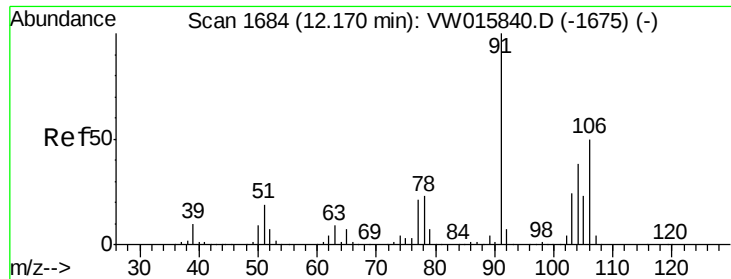
Tgt Ion: 91 Resp: 581383
Ion Ratio Lower Upper
91 100
106 32.5 22.7 42.3



#54
m,p-Xylene
Concen: 28.587 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion: 106 Resp: 228890
Ion Ratio Lower Upper
106 100
91 205.6 143.9 267.3

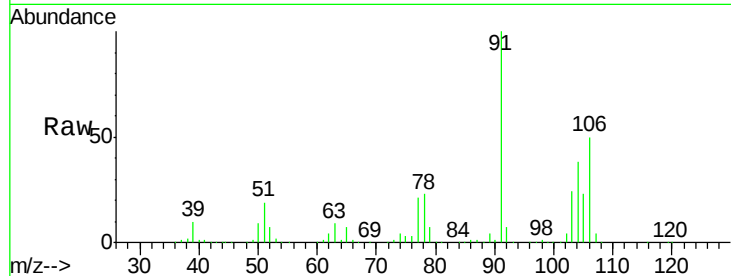




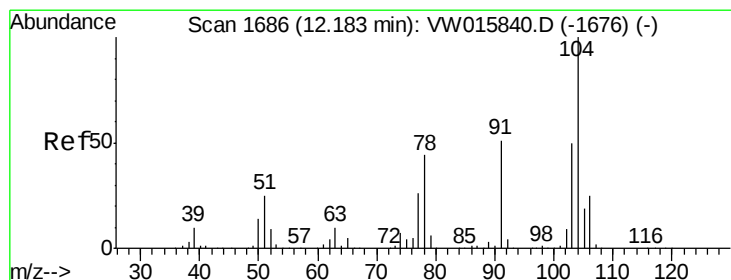
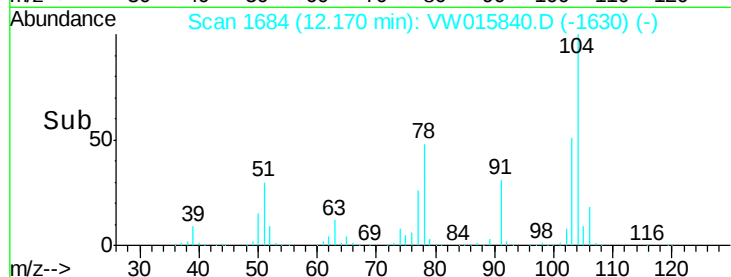
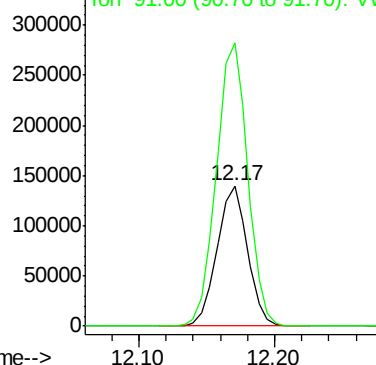
#55
o-xylene
Concen: 28.612 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion:106 Resp: 219654
Ion Ratio Lower Upper
106 100
91 201.5 141.1 262.0

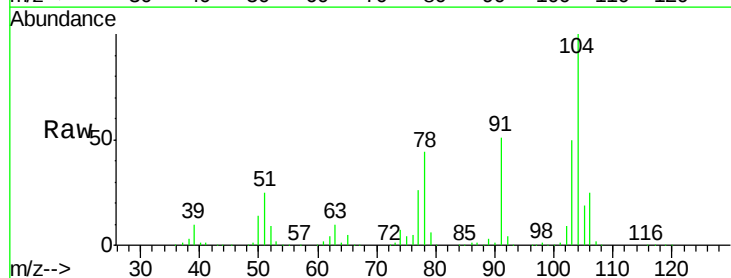


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

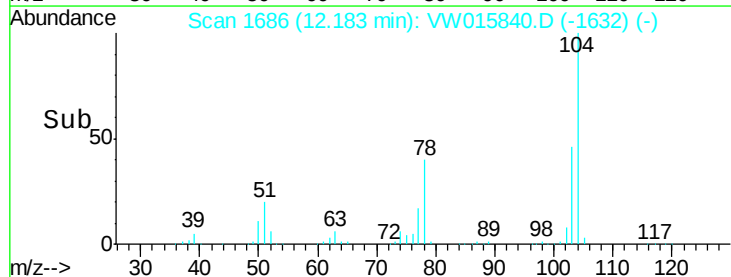
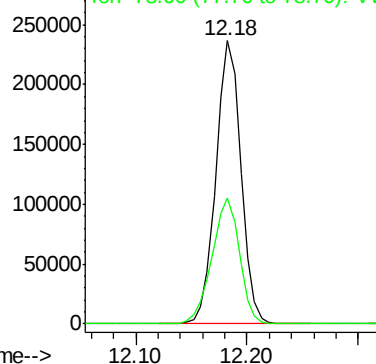


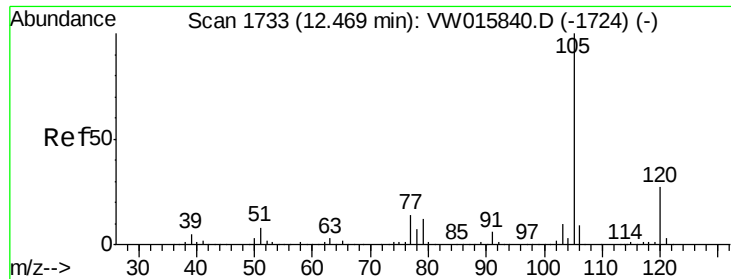
#56
Styrene
Concen: 28.536 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015840.D
Acq: 13 Jul 2020 11:51

Tgt Ion:104 Resp: 370669
Ion Ratio Lower Upper
104 100
78 44.3 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.455 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

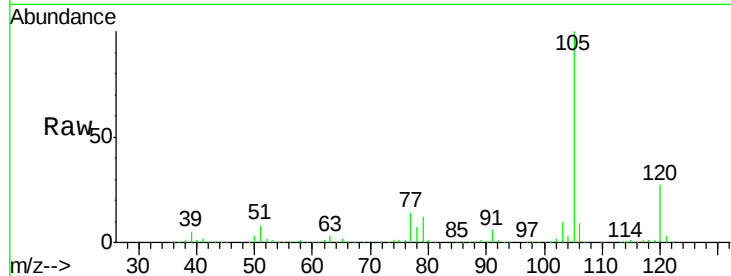
Tgt Ion: 105 Resp: 600705

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

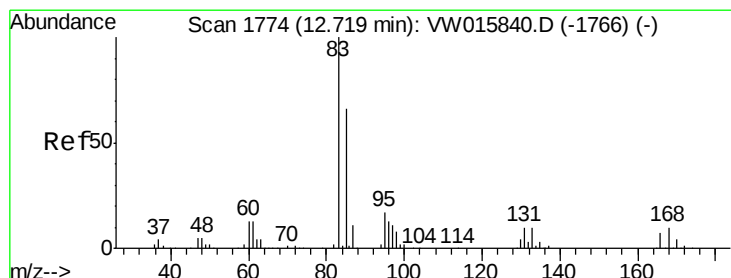
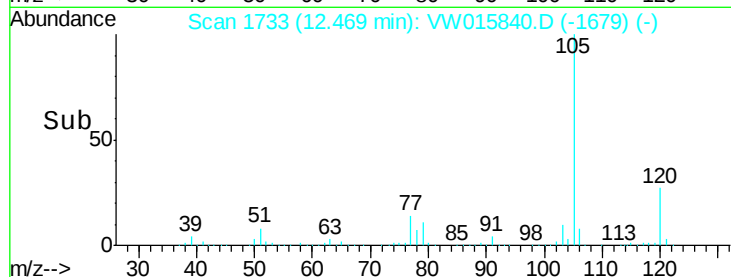
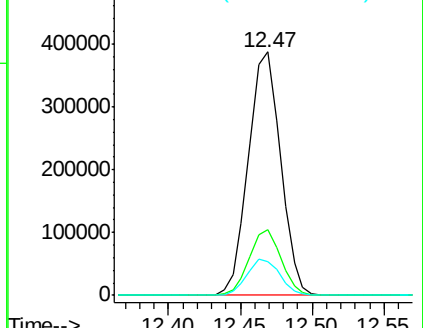
77 15.2 12.2 18.2



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: 25.335 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

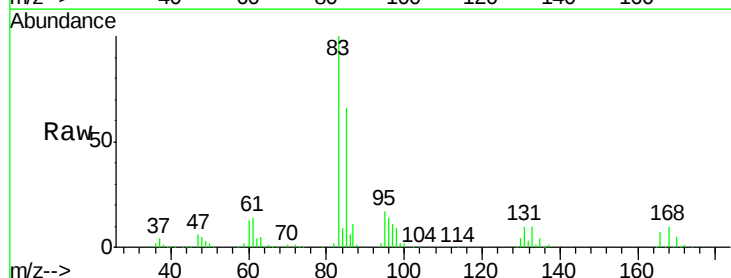
Tgt Ion: 83 Resp: 90206

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8

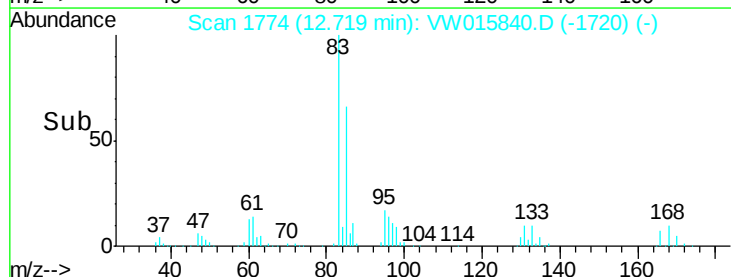
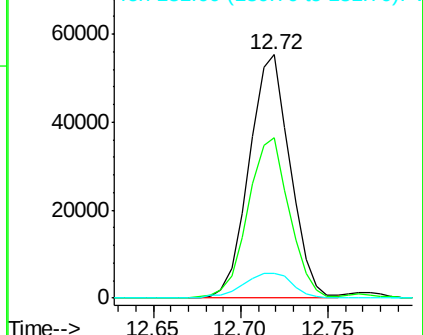
131 10.1 8.1 12.1

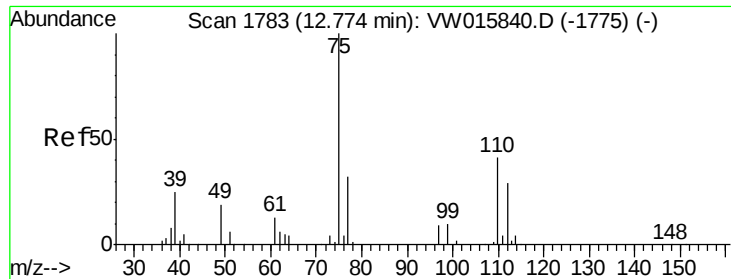


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.752 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

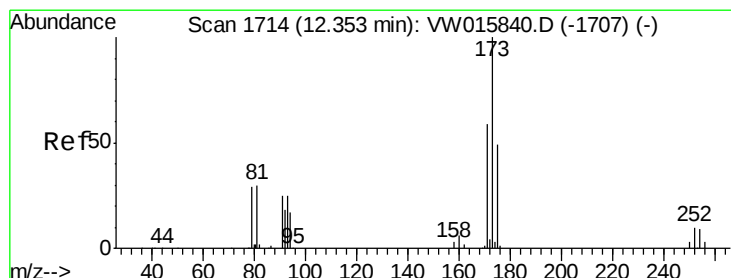
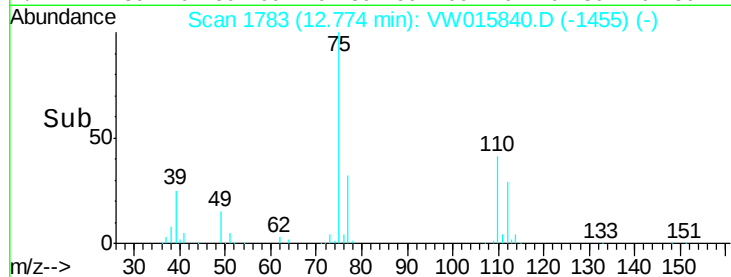
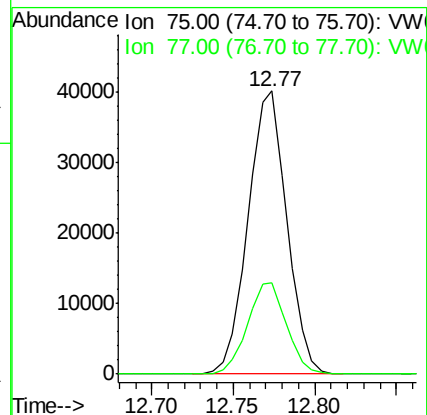
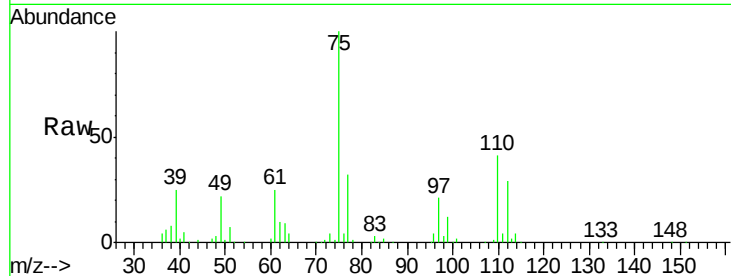
VSTD02501

Tgt Ion: 75 Resp: 66472

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#62

Bromoform

Concen: 25.647 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

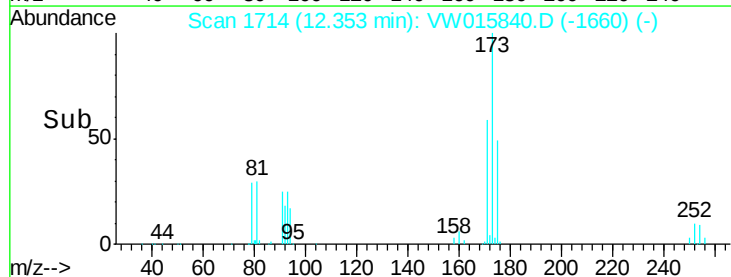
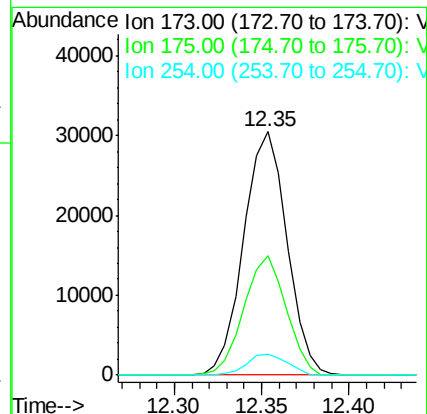
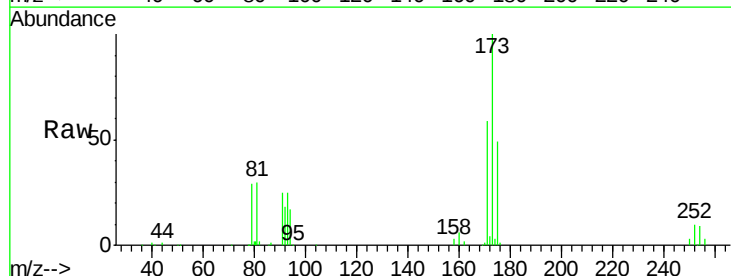
Tgt Ion: 173 Resp: 52552

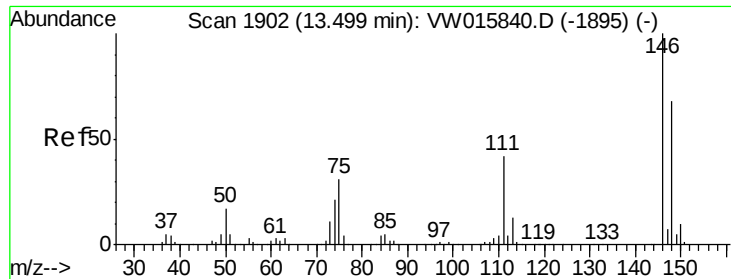
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 8.2 6.6 9.8

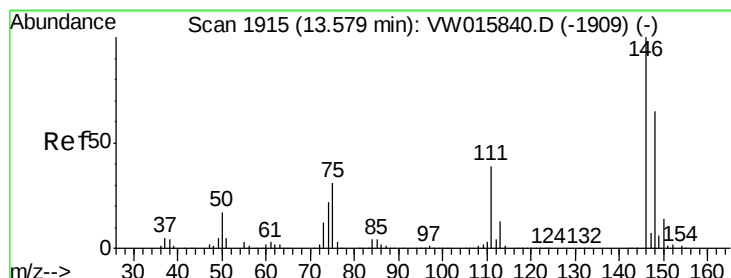
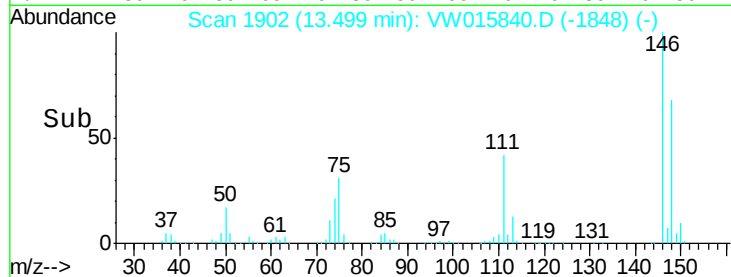
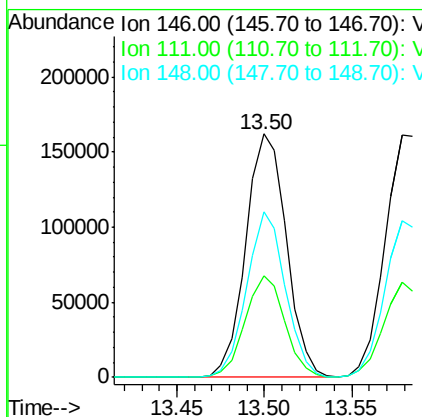
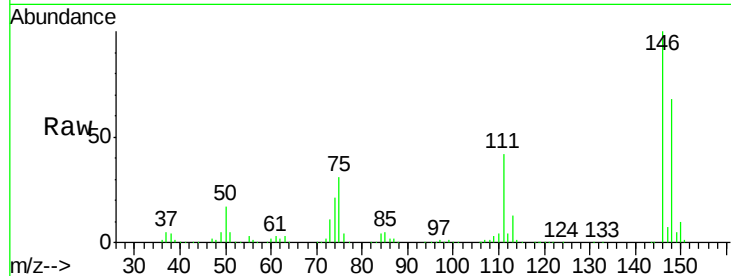




#63
 1,3-Dichlorobenzene
 Concen: 27.517 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

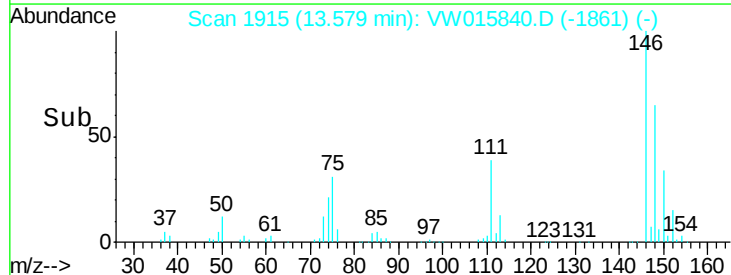
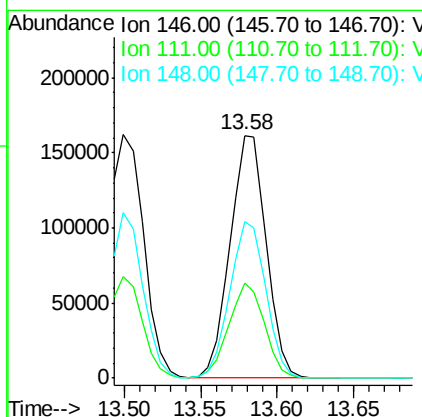
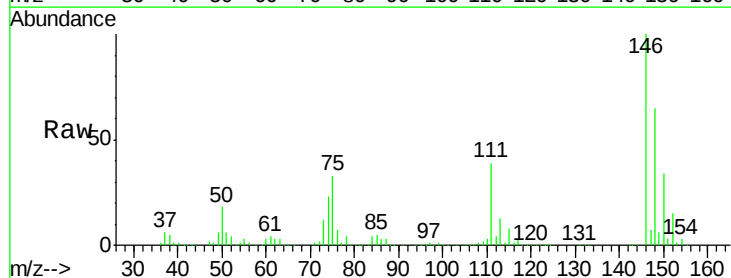
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

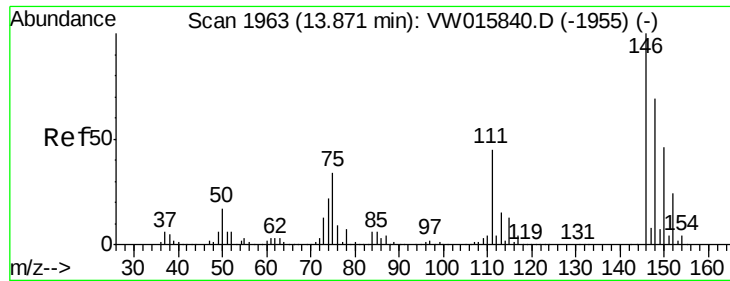
Tgt Ion:146 Resp: 264116
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.2 54.2
 148 68.2 47.7 88.7



#64
 1,4-Dichlorobenzene
 Concen: 27.570 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Tgt Ion:146 Resp: 264198
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 64.7 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 27.416 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

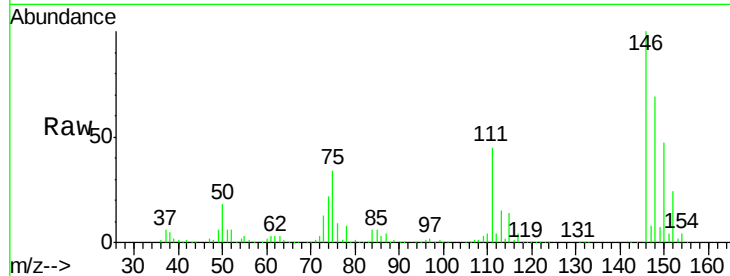
Tgt Ion:146 Resp: 231622

Ion Ratio Lower Upper

146 100

111 45.3 36.2 54.4

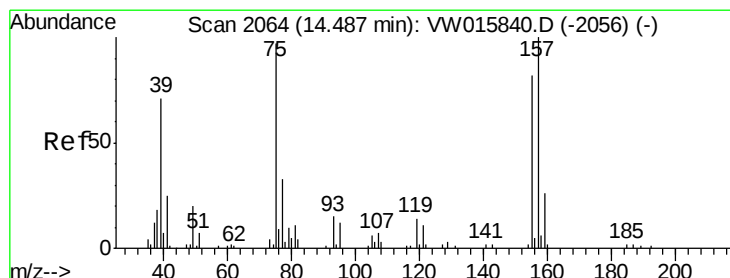
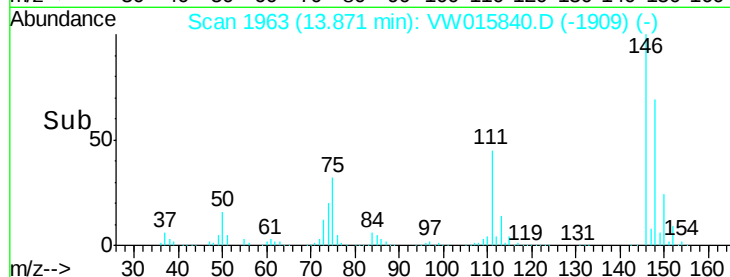
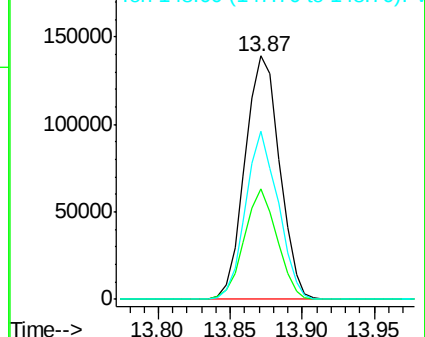
148 68.9 55.1 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.843 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

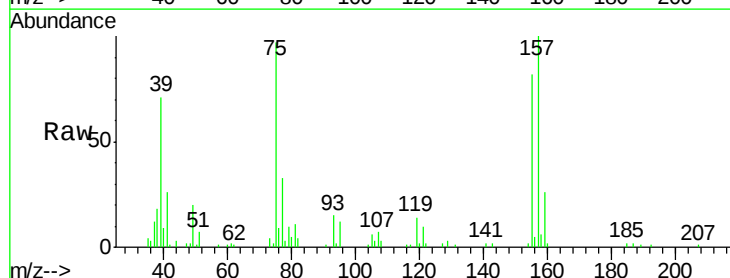
Tgt Ion: 75 Resp: 13376

Ion Ratio Lower Upper

75 100

157 102.7 82.2 123.2

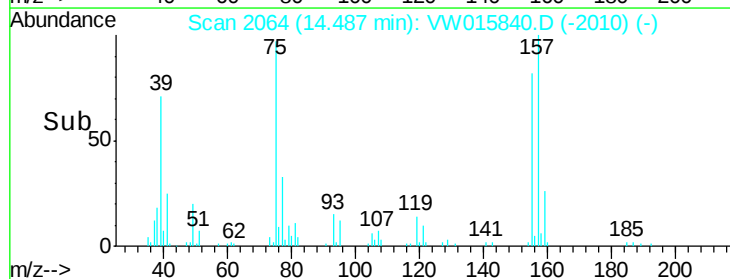
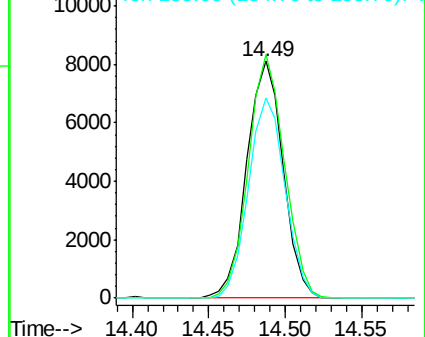
155 84.6 67.7 101.5

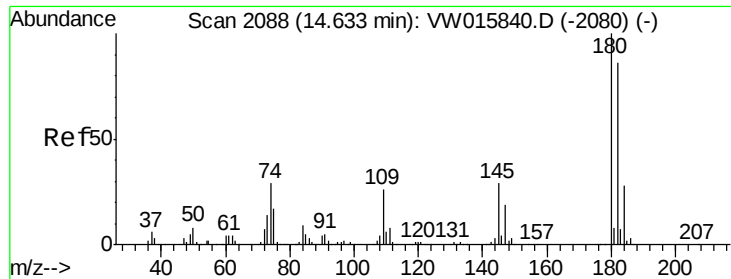


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

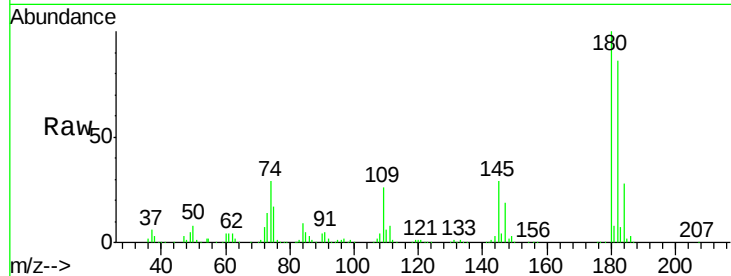




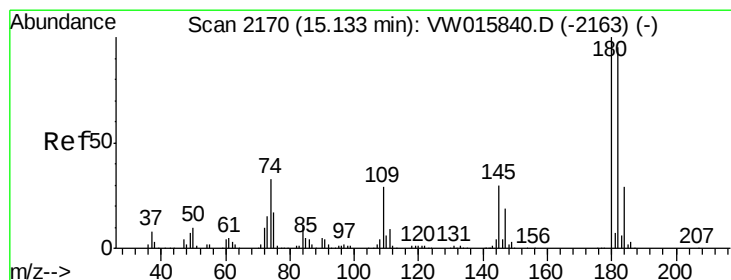
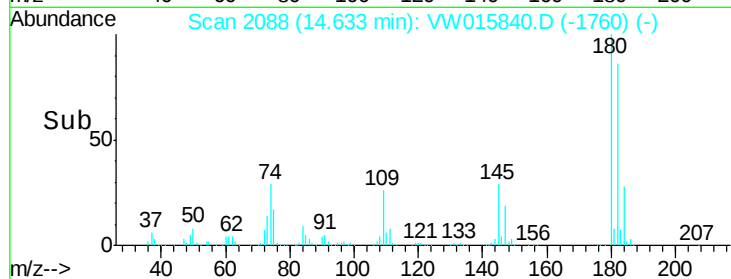
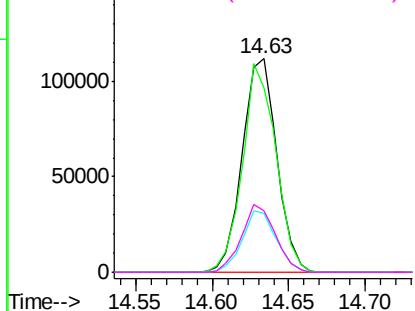
#67
 1,3,5-Trichlorobenzene
 Concen: 27.010 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Tgt Ion:180 Resp: 175832
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.3 112.9
 184 28.5 22.8 34.2
 145 30.8 24.6 37.0

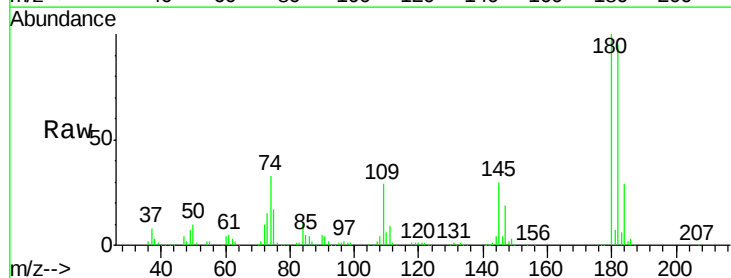


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

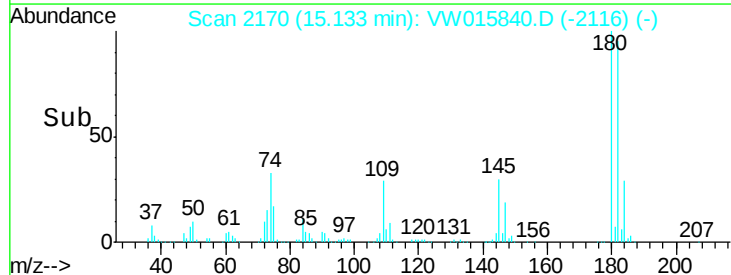
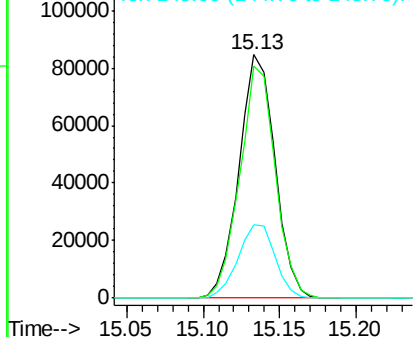


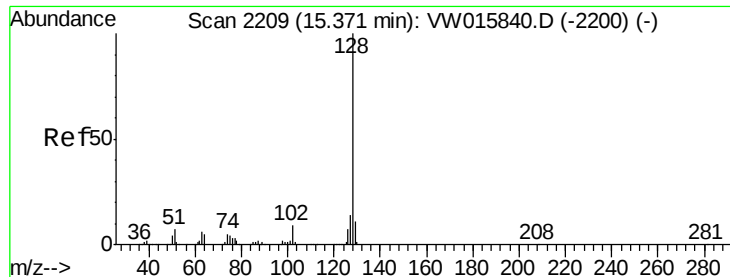
#68
 1,2,4-trichlorobenzene
 Concen: 26.494 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015840.D
 Acq: 13 Jul 2020 11:51

Tgt Ion:180 Resp: 138643
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.2 112.8
 145 31.2 25.0 37.4



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: 25.703 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

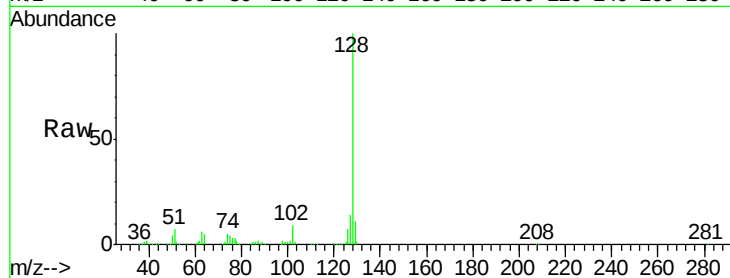
Tgt Ion:128 Resp: 245333

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

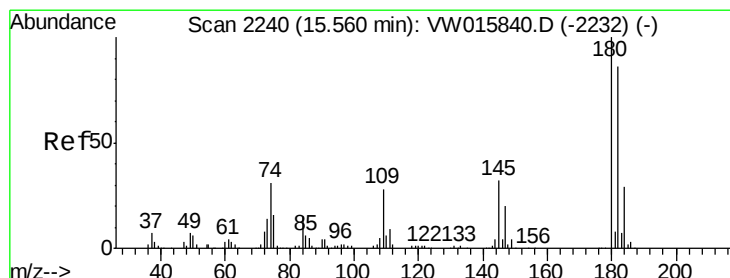
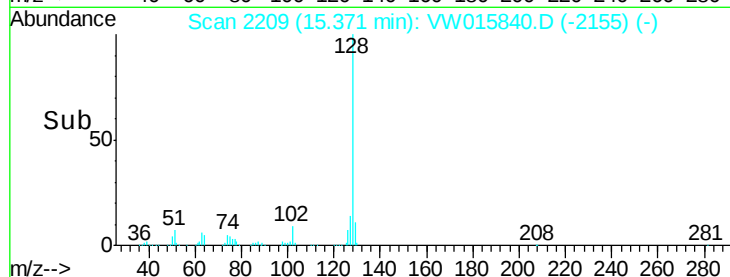
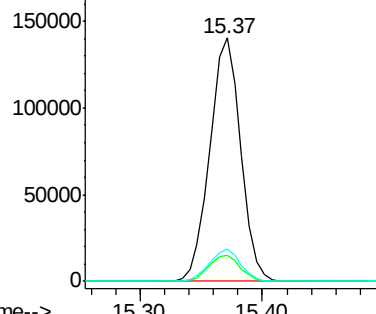
127 13.4 10.7 16.1



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: 26.739 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015840.D

Acq: 13 Jul 2020 11:51

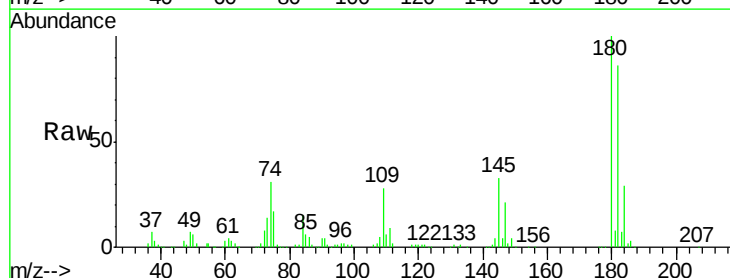
Tgt Ion:180 Resp: 120897

Ion Ratio Lower Upper

180 100

182 91.4 73.1 109.7

145 33.3 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

