

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071320\
 Data File : VW015838.D
 Acq On : 13 Jul 2020 11:04
 Operator : SY/VA
 Sample : VSTD2.506
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Quant Time: Jul 13 13:02:48 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	283028	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	119188	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	13436	2.92	ug/L	0.00
7) Chloroethane-d5	2.90	69	12843	3.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	17075	2.19	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3901	4.27	ug/L	0.00
24) Chloroform-d	7.65	84	20354	2.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	11185	2.53	ug/L	0.00
29) Benzene-d6	8.27	84	38111	2.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	10936	2.37	ug/L	0.00
37) Toluene-d8	10.32	98	34934	2.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	4355	2.15	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2765	3.80	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	8452	2.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	10859	2.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3717	1.539 ug/L	92
3) Chloromethane	2.21	50	8470	2.909 ug/L	98
5) Vinyl chloride	2.37	62	14062	3.149 ug/L	100
6) Bromomethane	2.78	94	12070	3.716 ug/L	98
8) Chloroethane	2.93	64	9631	3.288 ug/L	97
9) Trichlorofluoromethane	3.26	101	13745	3.855 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	7562	2.285 ug/L #	70
12) 1,1-Dichloroethene	4.04	96	6927	2.169 ug/L	93
13) Acetone	4.12	43	1895	2.532 ug/L	89
14) Carbon disulfide	4.39	76	21883	2.168 ug/L	99
15) Methyl Acetate	4.68	43	2425	1.761 ug/L #	87
16) Methylene chloride	4.92	84	10397	2.533 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	10445	2.127 ug/L #	86
18) trans-1,2-Dichloroethene	5.43	96	8625	2.427 ug/L	95
19) 1,1-Dichloroethane	6.22	63	15319	2.410 ug/L	94
21) 2-Butanone	7.18	43	3762	3.958 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	9252	2.529 ug/L	97
23) Bromochloromethane	7.51	128	3934	2.435 ug/L	95
25) Chloroform	7.68	83	16800	2.584 ug/L	98
27) 1,2-Dichloroethane	8.41	62	11121	2.488 ug/L	99
30) Cyclohexane	7.95	56	12309	2.089 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	14310	2.472 ug/L	95
32) Carbon tetrachloride	8.07	117	12959	2.455 ug/L	97
34) Benzene	8.33	78	36150	2.463 ug/L	100
35) Trichloroethene	9.10	95	10075	2.558 ug/L	99
36) Methylcyclohexane	9.34	83	15692	2.305 ug/L	95
40) 1,2-Dichloropropane	9.37	63	8582	2.404 ug/L	99
41) Bromodichloromethane	9.65	83	11495	2.466 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	10680	1.926 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	7491	3.773 ug/L	97

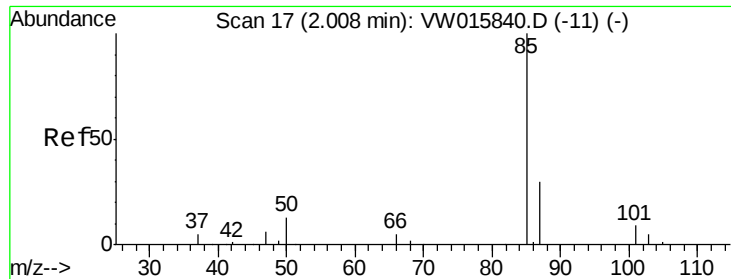
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071320\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	38093	2.364	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	9674	2.002	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	6476	2.495	ug/L	92
47) Tetrachloroethene	10.86	164	7461	2.343	ug/L	94
49) 2-Hexanone	10.97	43	5355	3.853	ug/L	93
50) Dibromochloromethane	11.13	129	6994	2.269	ug/L	98
51) 1,2-Dibromoethane	11.24	107	5991	2.370	ug/L #	96
52) Chlorobenzene	11.66	112	25451	2.490	ug/L	96
53) Ethylbenzene	11.73	91	42489	2.333	ug/L	97
54) m,p-Xylene	11.84	106	15428	2.244	ug/L	92
55) o-xylene	12.17	106	14424	2.188	ug/L	92
56) Styrene	12.18	104	22695	2.035	ug/L	93
57) Isopropylbenzene	12.47	105	38534	2.126	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	7253	2.372	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	5424	2.352	ug/L	95
62) Bromoform	12.35	173	3466	2.260	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	16539	2.302	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	18133	2.528	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	15616	2.470	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.63	75	2314	5.280	ug/L #	3
67) 1,3,5-Trichlorobenzene	14.63	180	11276	2.314	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	7480	1.910	ug/L	99
69) Naphthalene	15.37	128	11669	1.633	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	6855	2.026	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.539 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

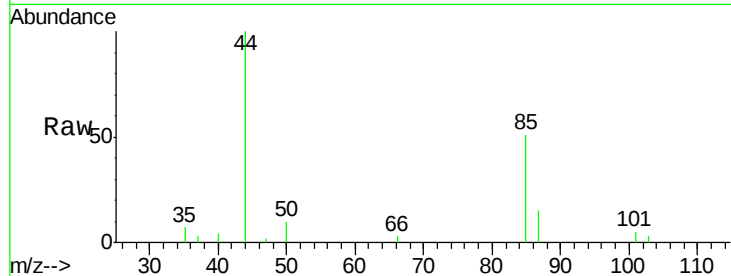
VSTD2.505

Tgt Ion: 85 Resp: 3717

Ion Ratio Lower Upper

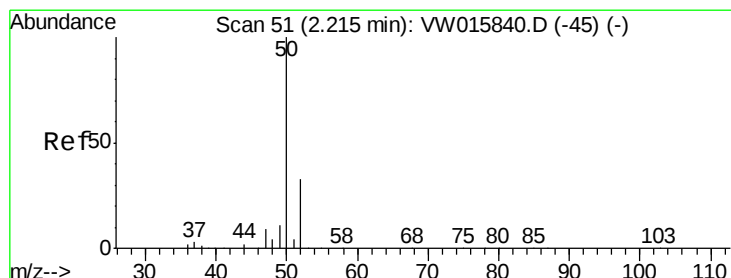
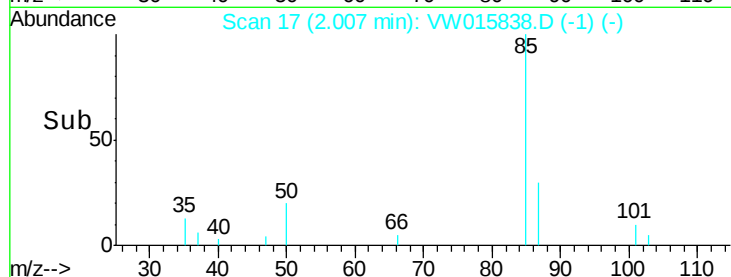
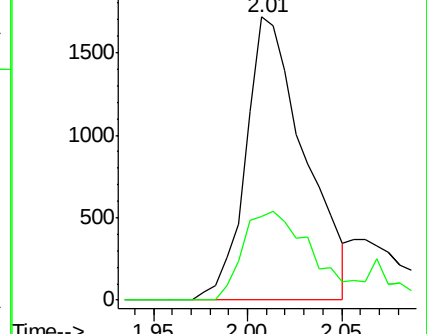
85 100

87 37.6 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.909 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015838.D

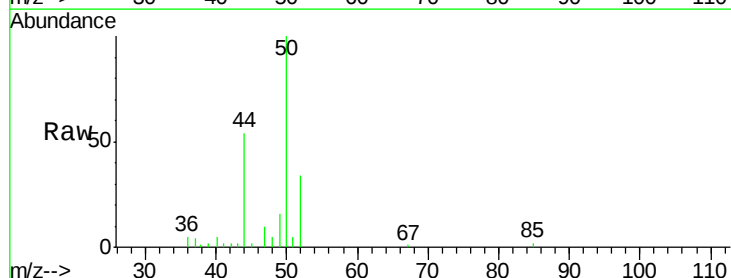
Acq: 13 Jul 2020 11:04

Tgt Ion: 50 Resp: 8470

Ion Ratio Lower Upper

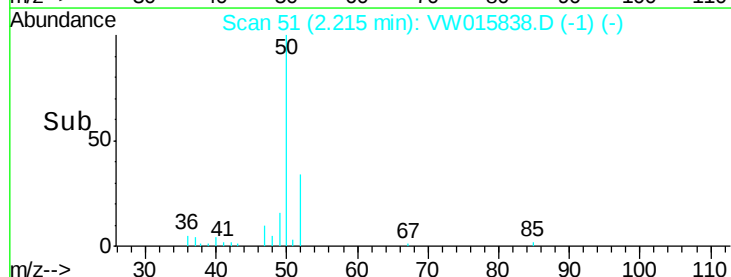
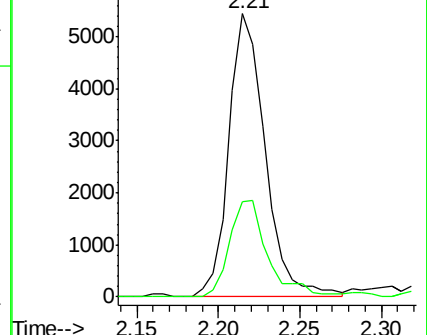
50 100

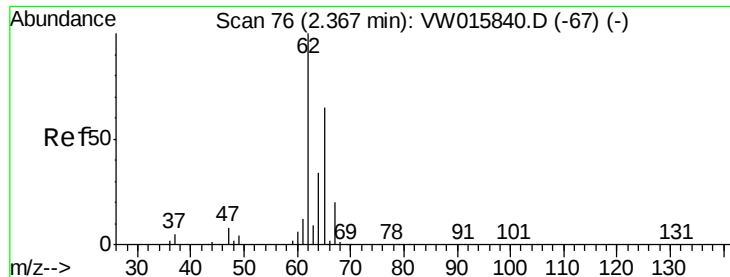
52 33.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 3.149 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

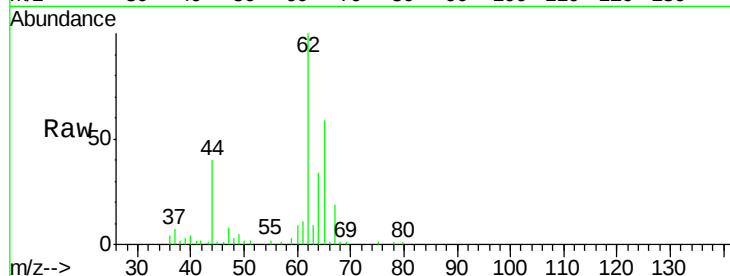
VSTD2.505

Tgt Ion: 62 Resp: 14062

Ion Ratio Lower Upper

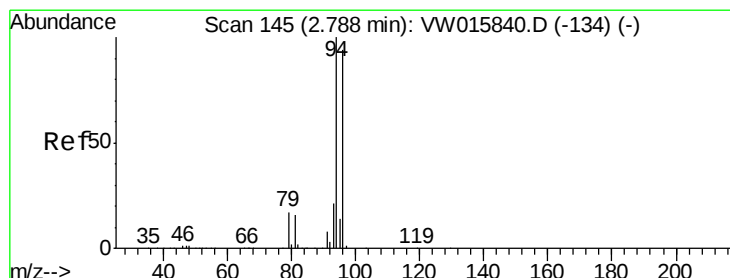
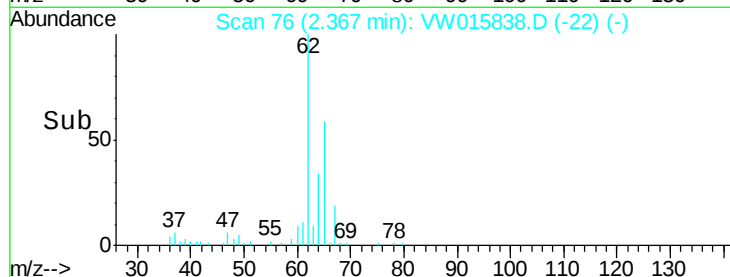
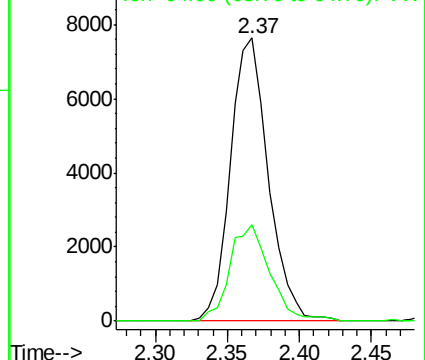
62 100

64 34.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 3.716 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015838.D

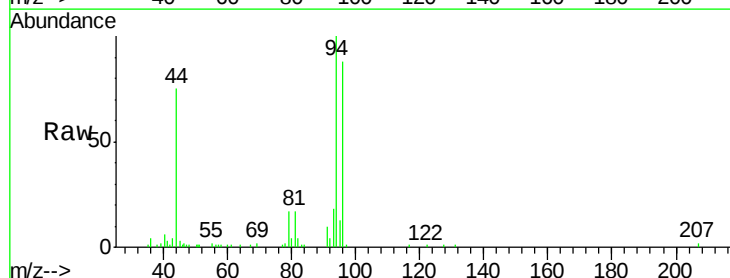
Acq: 13 Jul 2020 11:04

Tgt Ion: 94 Resp: 12070

Ion Ratio Lower Upper

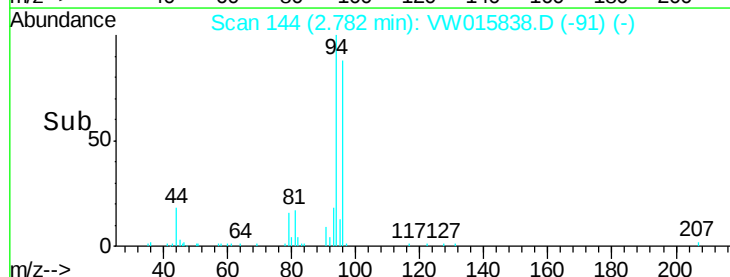
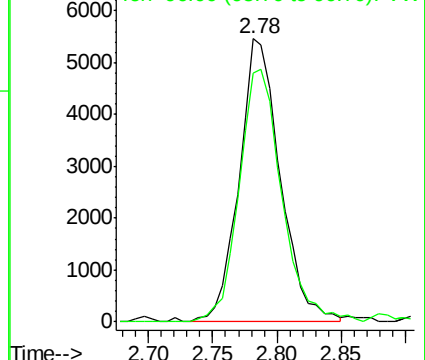
94 100

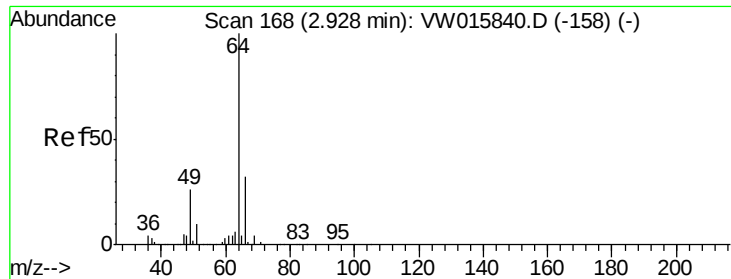
96 92.7 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 3.288 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

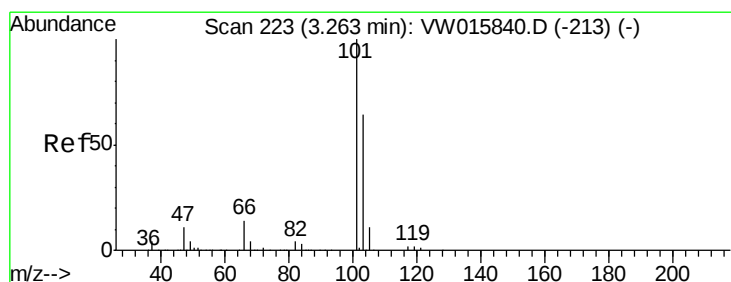
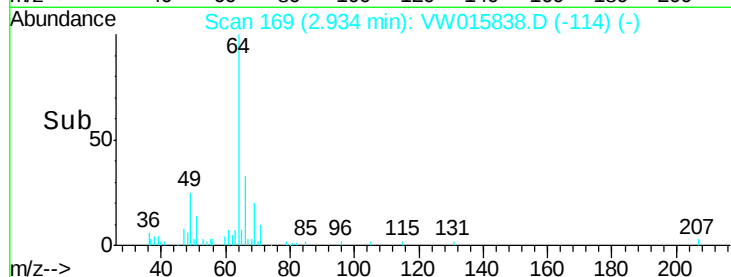
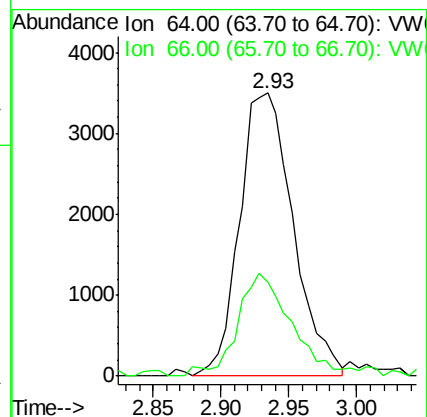
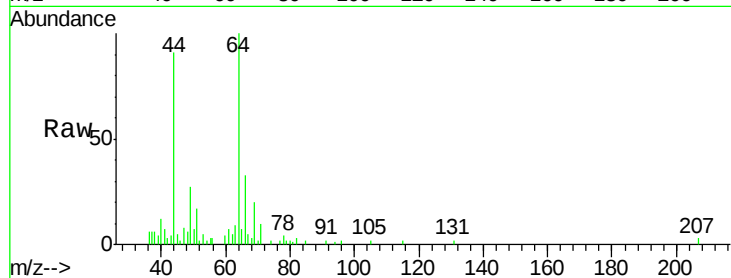
VSTD2.505

Tgt Ion: 64 Resp: 9631

Ion Ratio Lower Upper

64 100

66 33.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 3.855 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015838.D

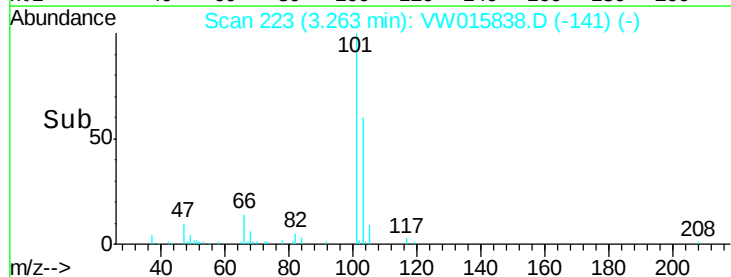
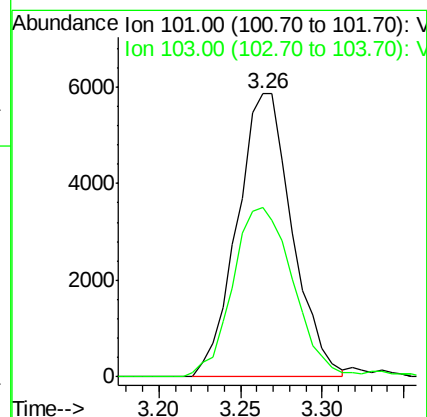
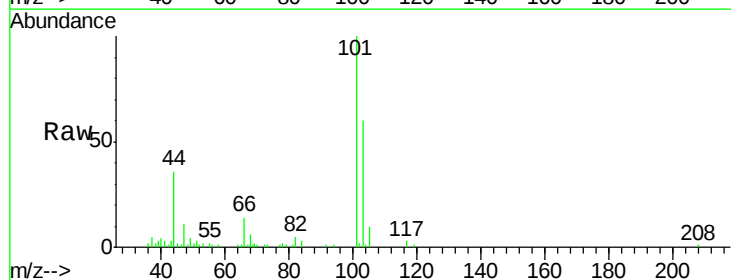
Acq: 13 Jul 2020 11:04

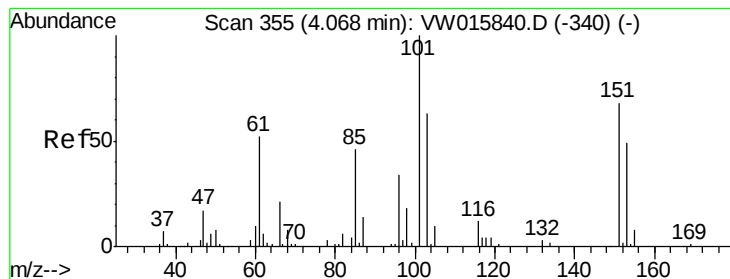
Tgt Ion: 101 Resp: 13745

Ion Ratio Lower Upper

101 100

103 65.5 46.1 85.5





#11

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

Concen: 2.285 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

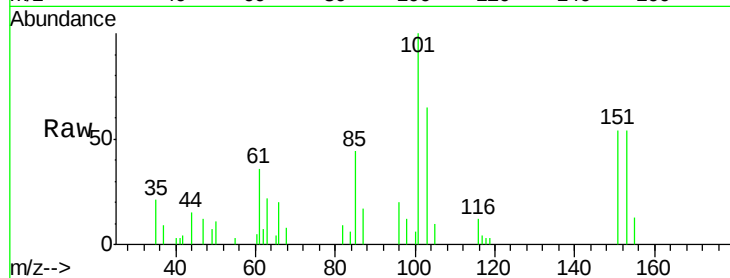
Tgt Ion: 101 Resp: 7562

Ion Ratio Lower Upper

101 100

85 35.0 38.8 58.2#

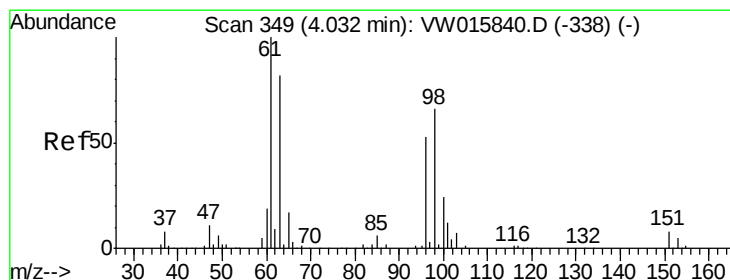
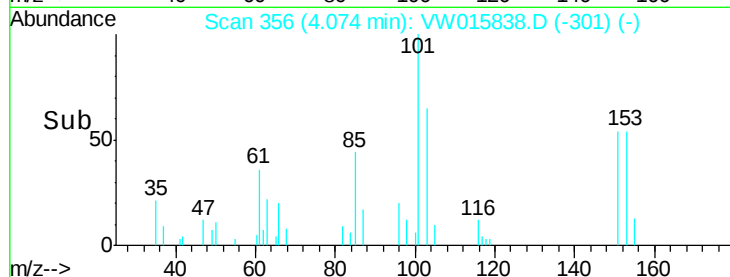
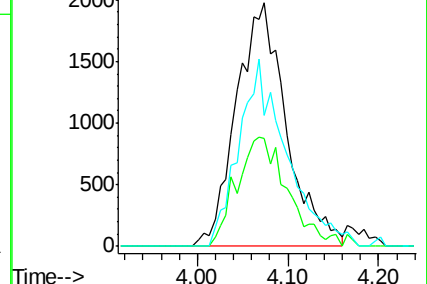
151 39.3 55.9 83.9#



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: 2.169 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

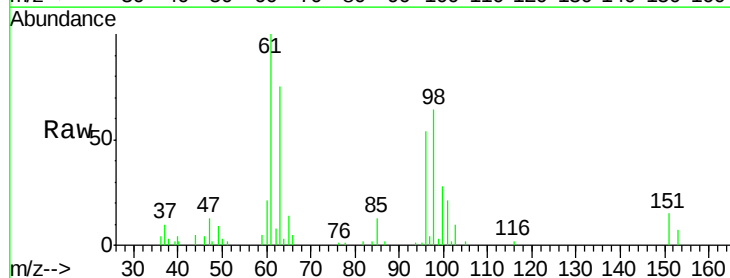
Tgt Ion: 96 Resp: 6927

Ion Ratio Lower Upper

96 100

61 185.9 131.7 244.5

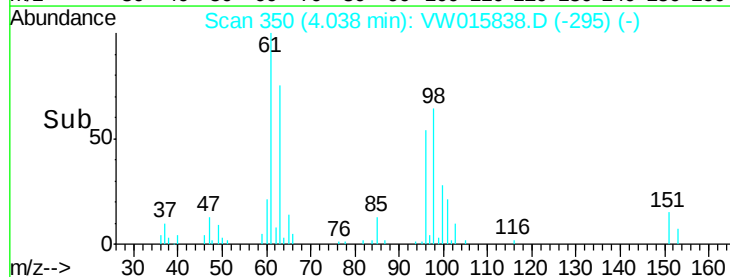
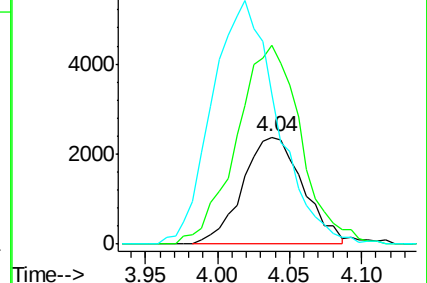
63 140.1 110.4 205.0

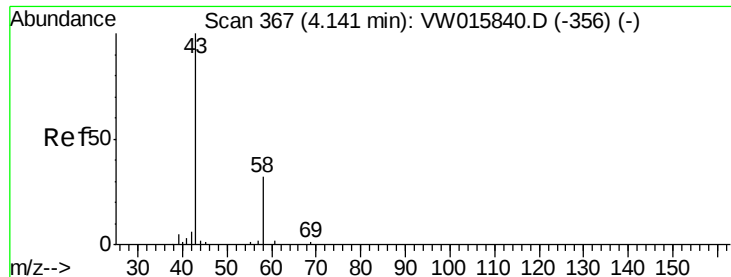


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.532 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

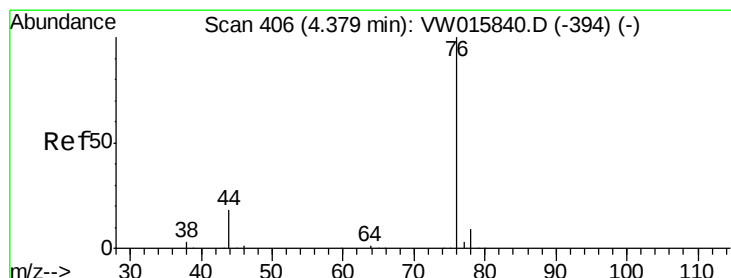
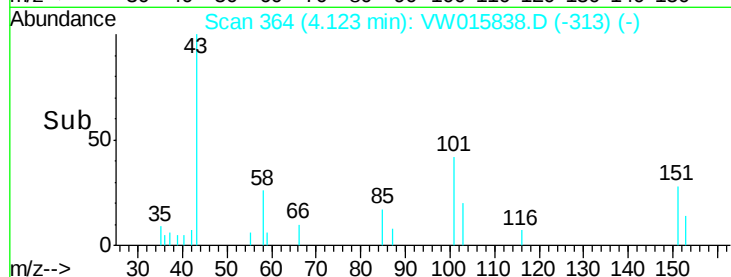
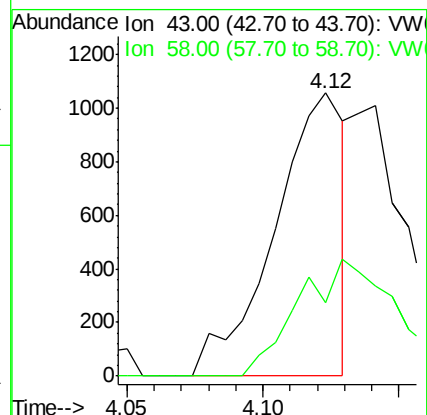
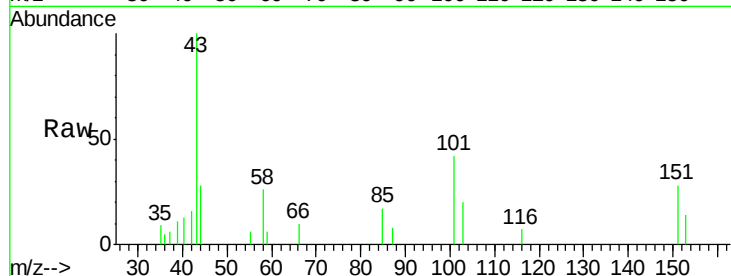
VSTD2.505

Tgt Ion: 43 Resp: 1895

Ion Ratio Lower Upper

43 100

58 35.7 0.0 59.4



#14

Carbon disulfide

Concen: 2.168 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015838.D

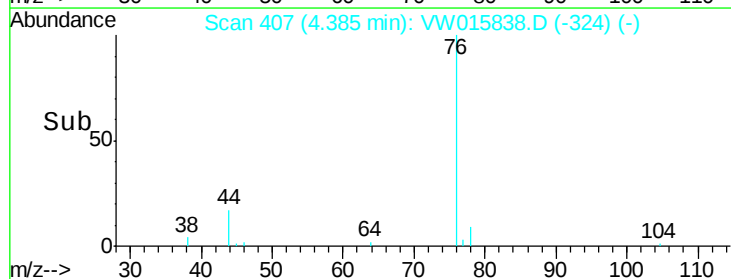
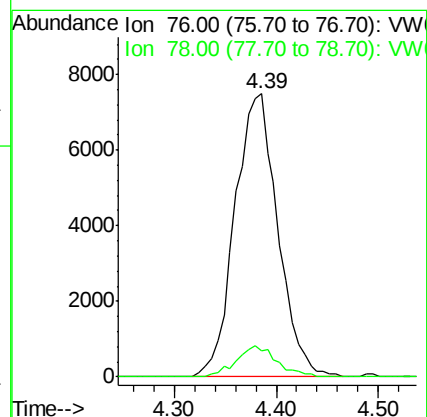
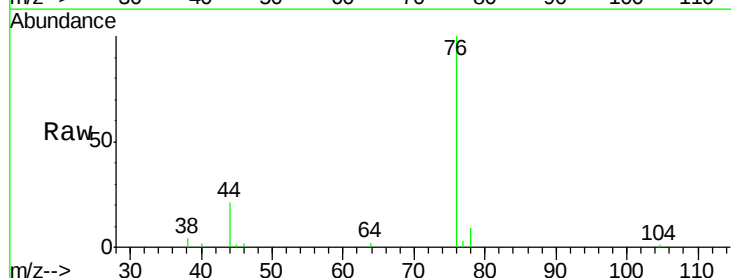
Acq: 13 Jul 2020 11:04

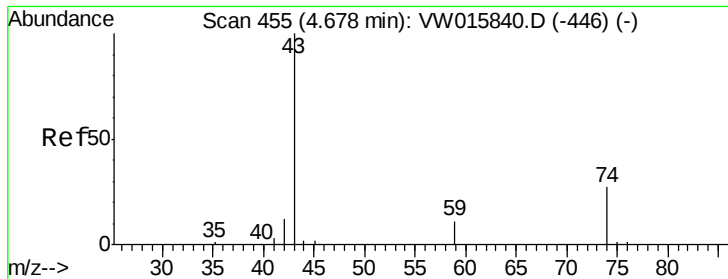
Tgt Ion: 76 Resp: 21883

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 1.761 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampled :

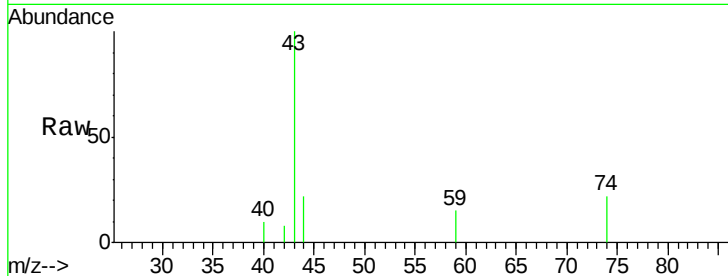
VSTD2.505

Tgt Ion: 43 Resp: 2425

Ion Ratio Lower Upper

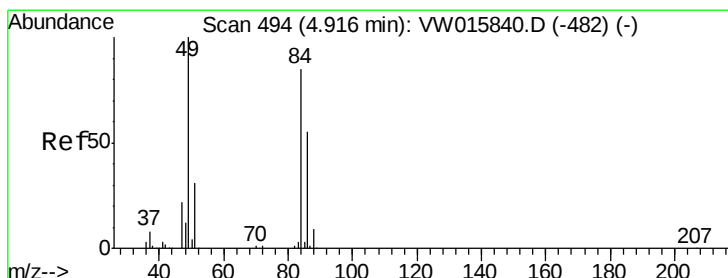
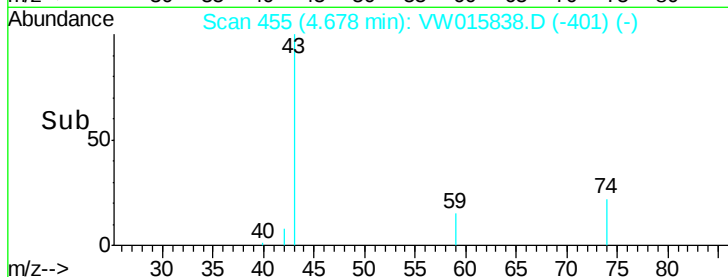
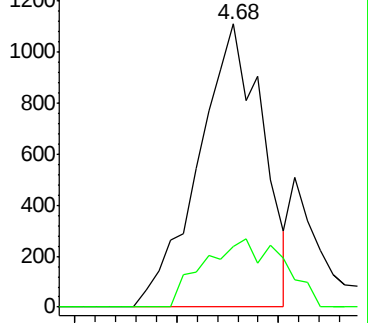
43 100

74 20.2 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 2.533 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

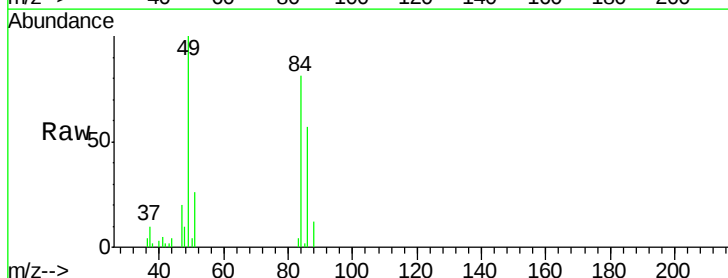
Tgt Ion: 84 Resp: 10397

Ion Ratio Lower Upper

84 100

49 123.9 82.5 153.1

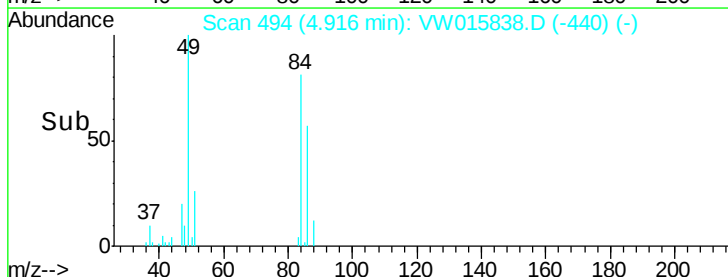
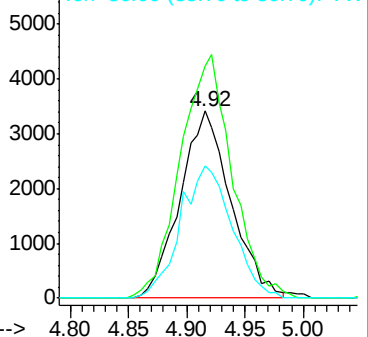
86 71.1 45.4 84.2

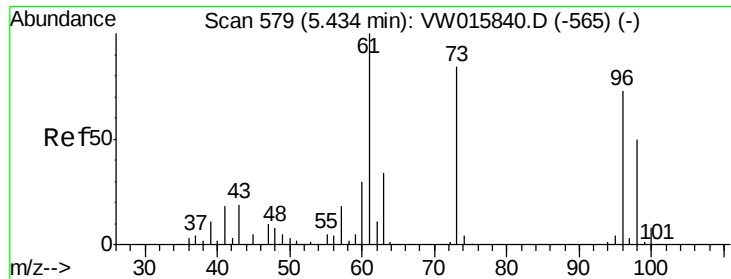


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

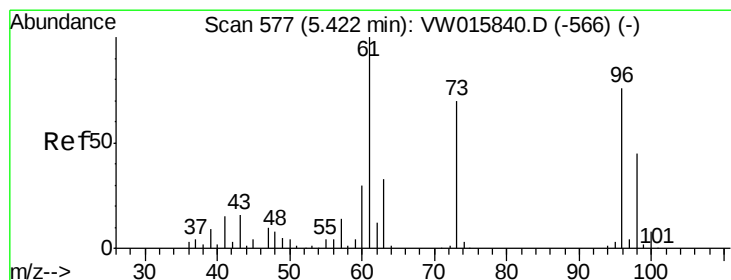
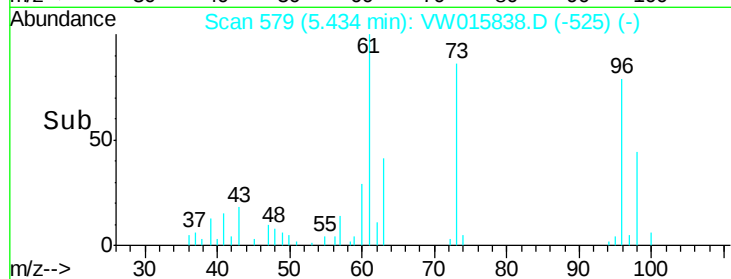
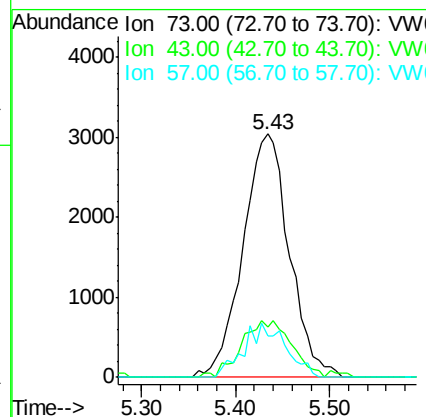
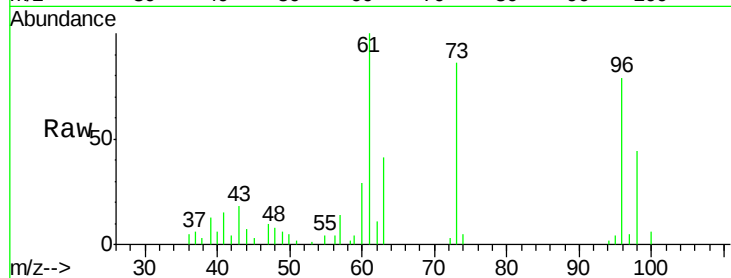




#17
Methyl tert-butyl Ether
Concen: 2.127 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

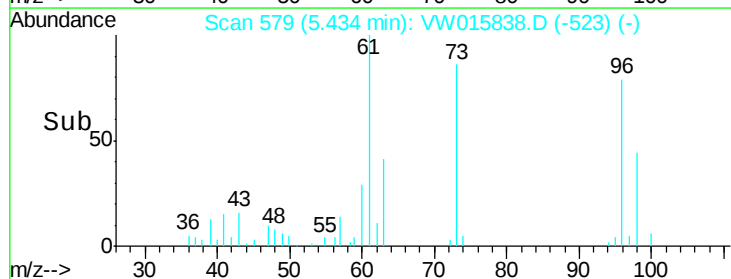
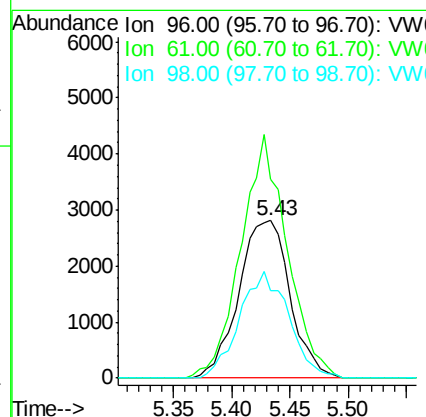
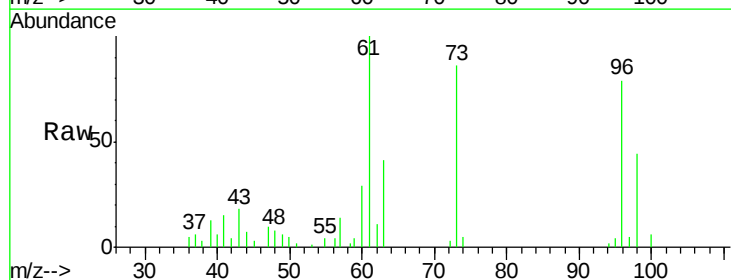
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

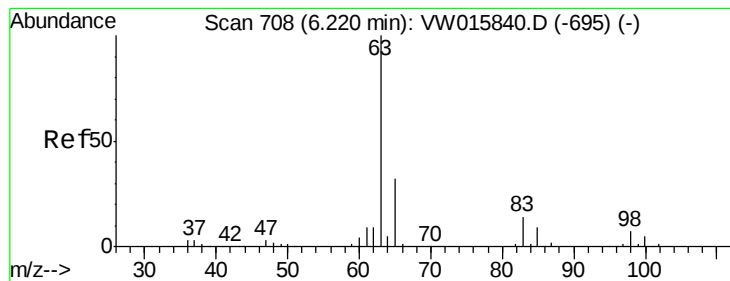
Tgt Ion: 73 Resp: 10445
Ion Ratio Lower Upper
73 100
43 18.0 17.8 26.8
57 11.7 16.8 25.2#



#18
trans-1,2-Dichloroethene
Concen: 2.427 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion: 96 Resp: 8625
Ion Ratio Lower Upper
96 100
61 126.2 92.5 171.7
98 55.5 41.1 76.3





#19

1,1-Dichloroethane

Concen: 2.410 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

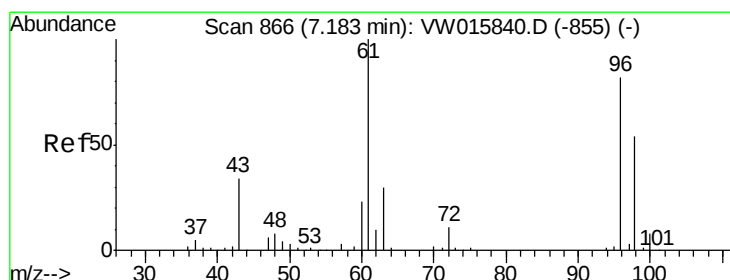
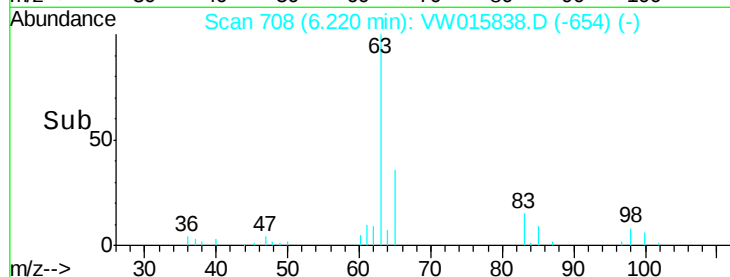
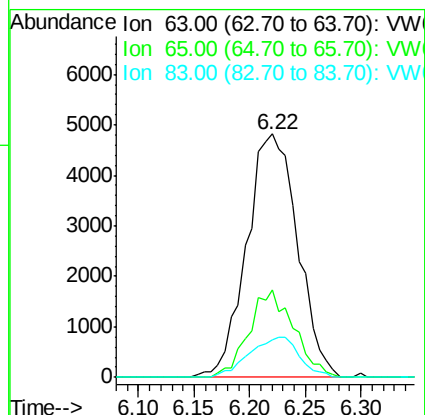
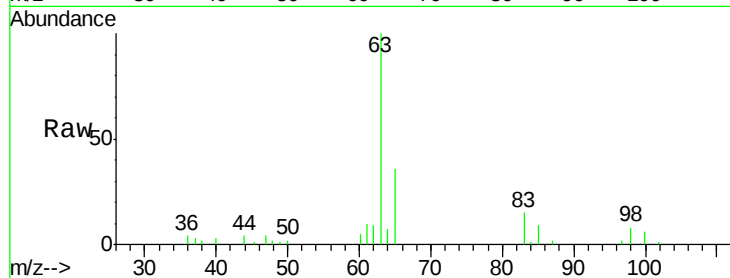
Tgt Ion: 63 Resp: 15319

Ion Ratio Lower Upper

63 100

65 35.9 22.5 41.7

83 15.2 9.9 18.5



#21

2-Butanone

Concen: 3.958 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015838.D

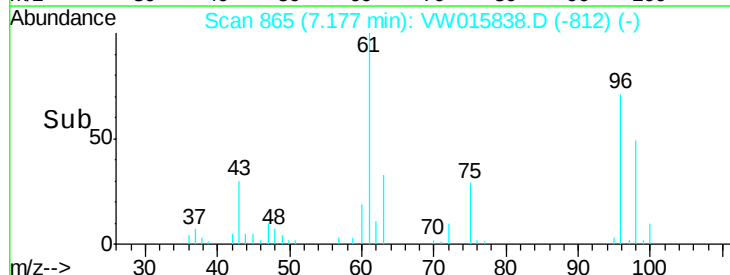
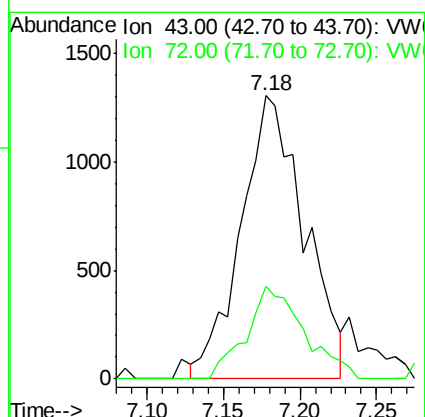
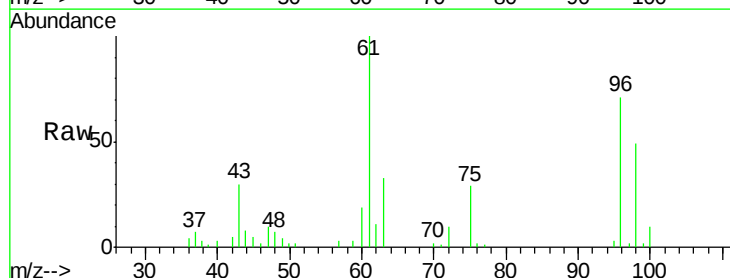
Acq: 13 Jul 2020 11:04

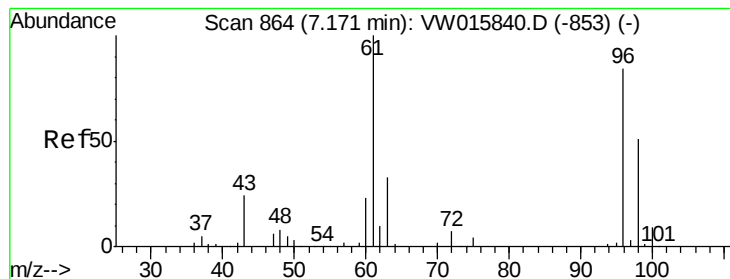
Tgt Ion: 43 Resp: 3762

Ion Ratio Lower Upper

43 100

72 29.9 15.6 46.7



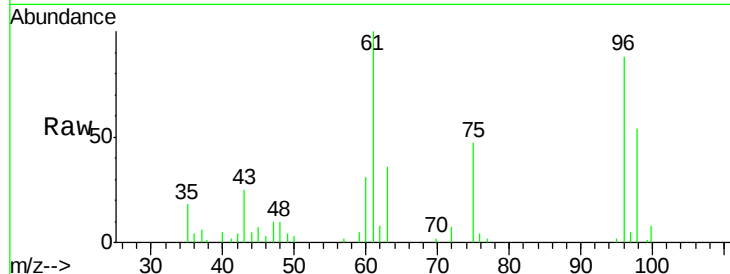


#22

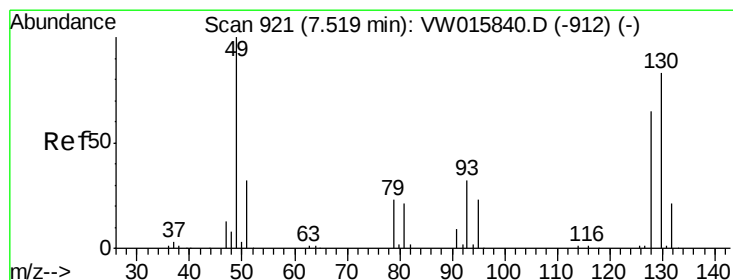
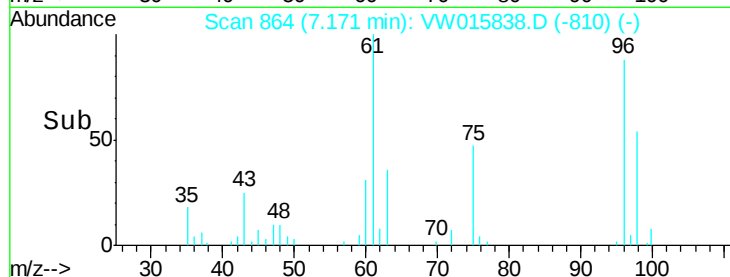
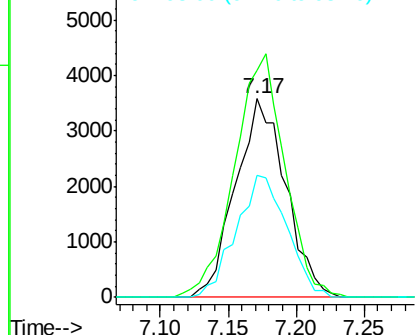
cis-1,2-Dichloroethene
 Concen: 2.529 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tgt Ion: 96 Resp: 9252
 Ion Ratio Lower Upper
 96 100
 61 114.1 83.7 155.5
 98 61.5 43.0 80.0



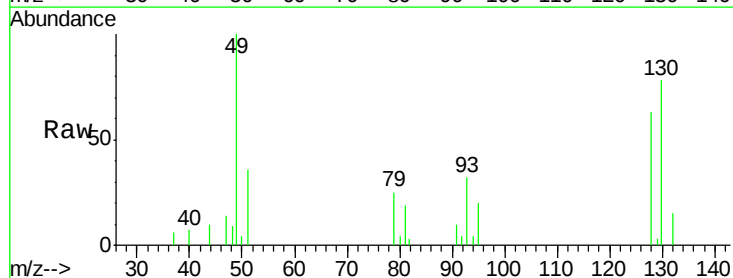
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



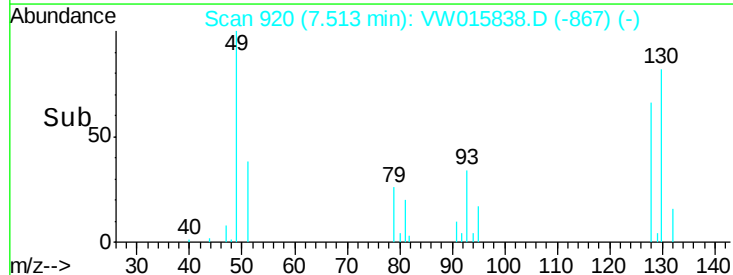
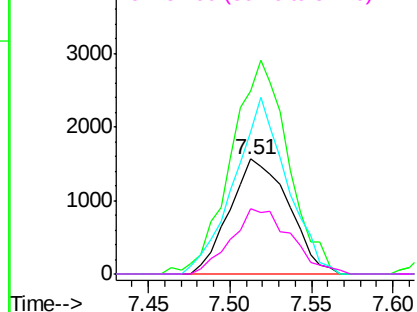
#23

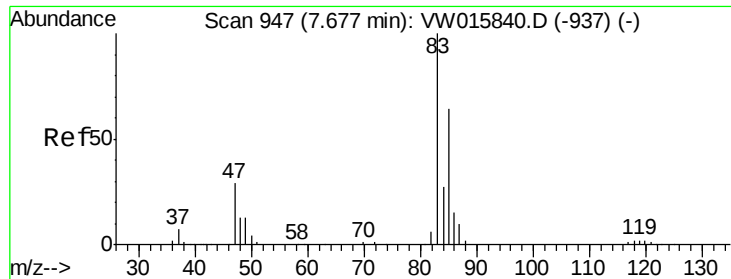
Bromochloromethane
 Concen: 2.435 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion: 128 Resp: 3934
 Ion Ratio Lower Upper
 128 100
 49 159.6 108.8 202.2
 130 124.2 89.8 166.8
 51 57.2 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

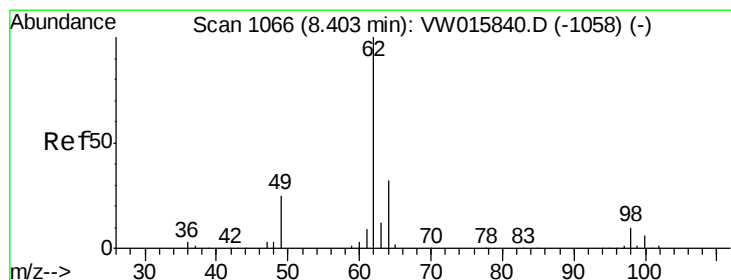
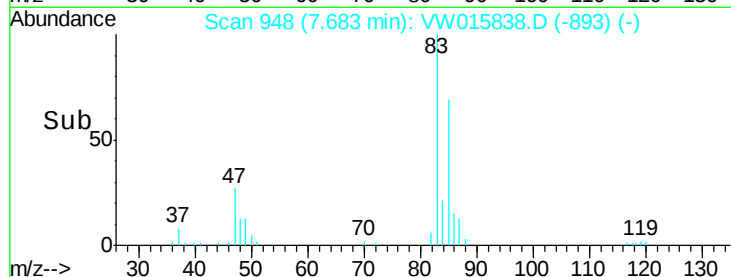
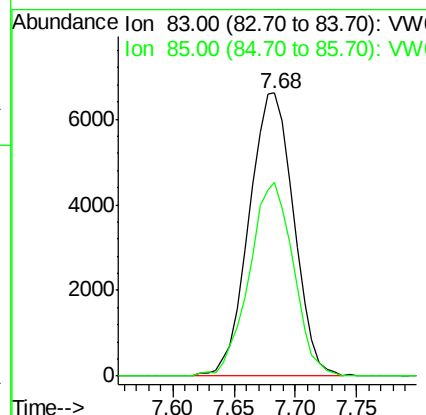
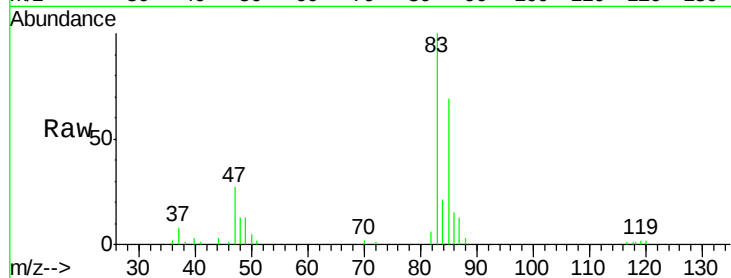




#25
Chloroform
Concen: 2.584 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

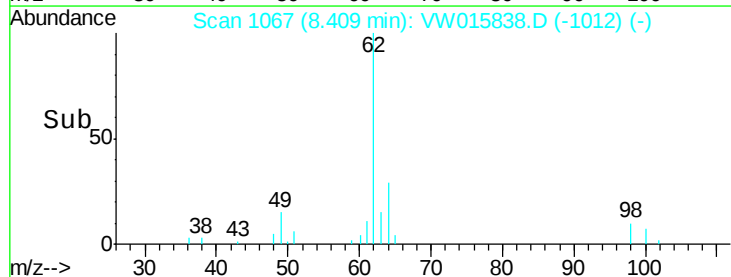
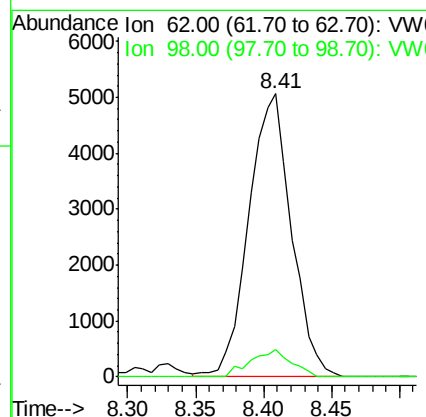
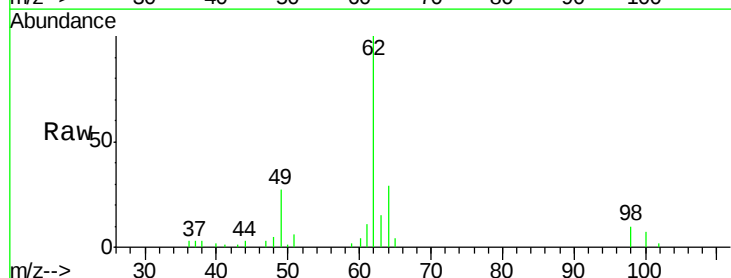
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

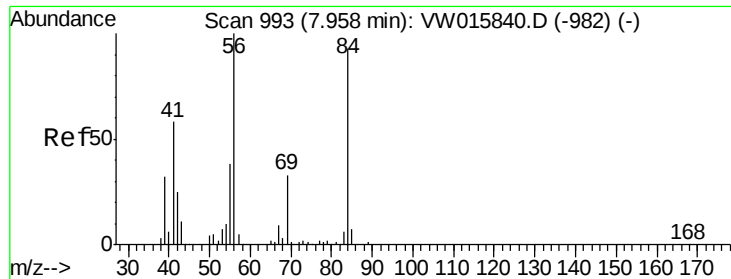
Tgt Ion: 83 Resp: 16800
Ion Ratio Lower Upper
83 100
85 67.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.488 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion: 62 Resp: 11121
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5

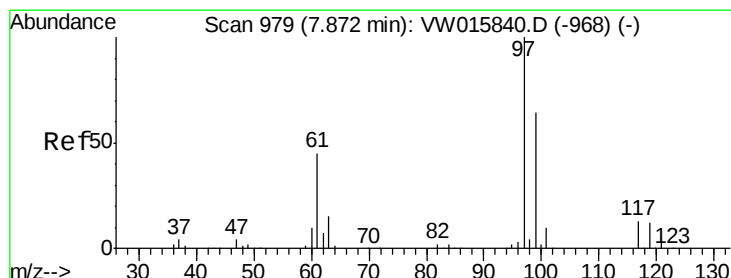
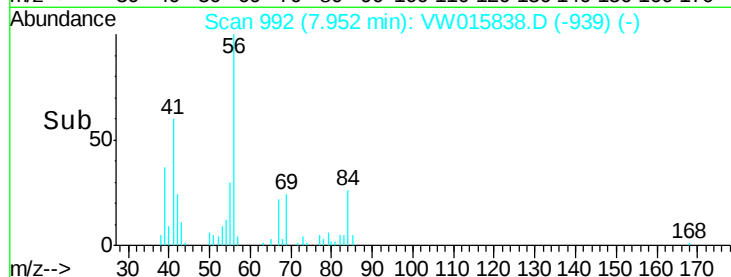
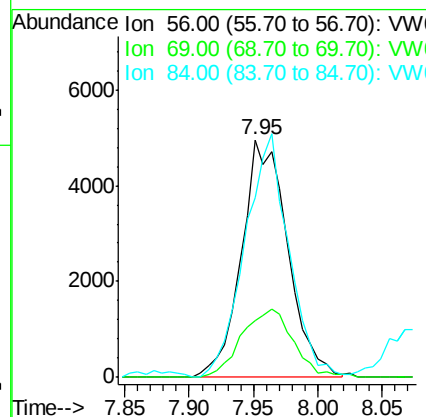
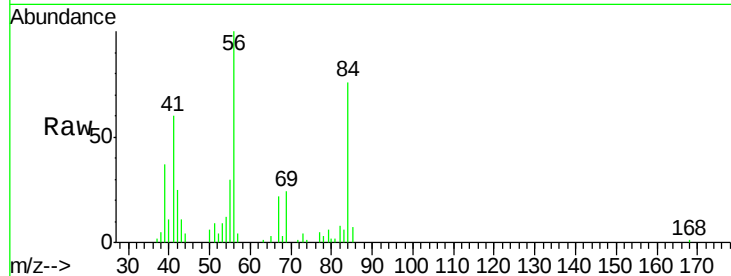




#30
Cyclohexane
Concen: 2.089 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

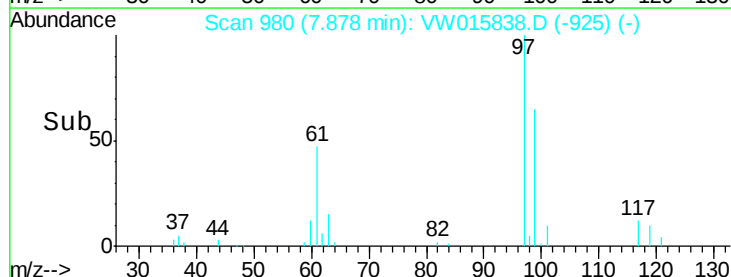
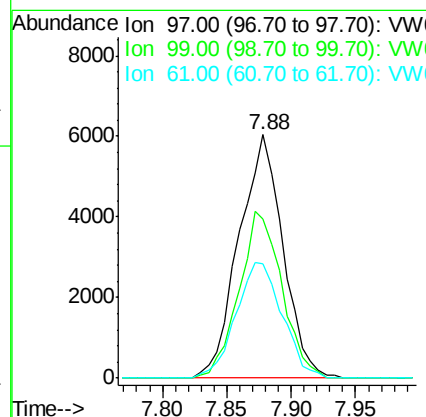
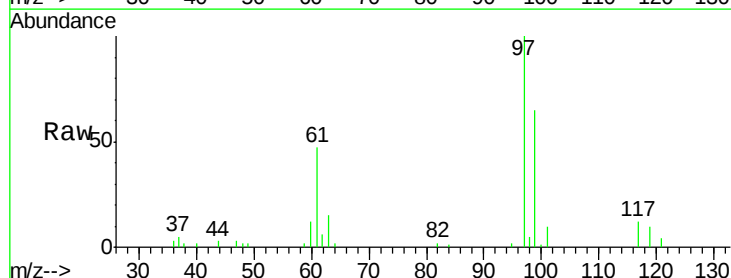
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

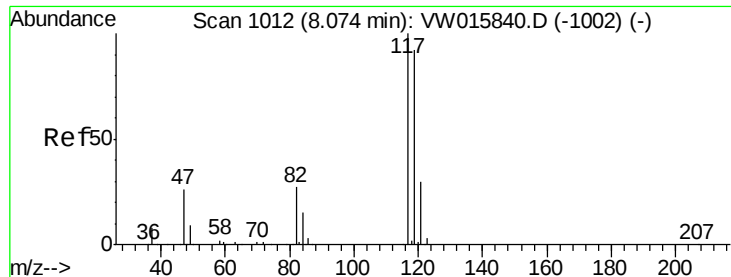
Tgt Ion: 56 Resp: 12309
Ion Ratio Lower Upper
56 100
69 31.2 25.8 38.8
84 97.4 78.3 117.5



#31
1,1,1-Trichloroethane
Concen: 2.472 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion: 97 Resp: 14310
Ion Ratio Lower Upper
97 100
99 66.5 50.9 76.3
61 50.0 36.2 54.2

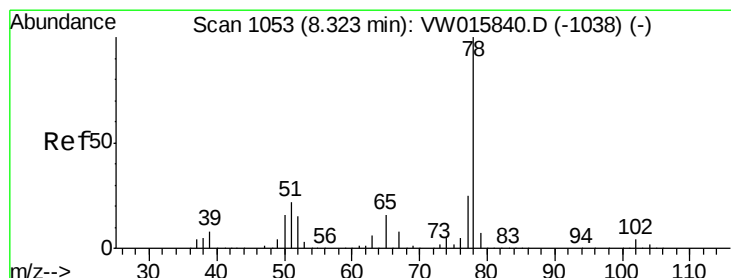
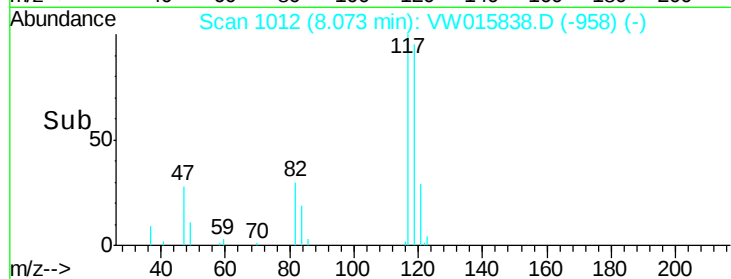
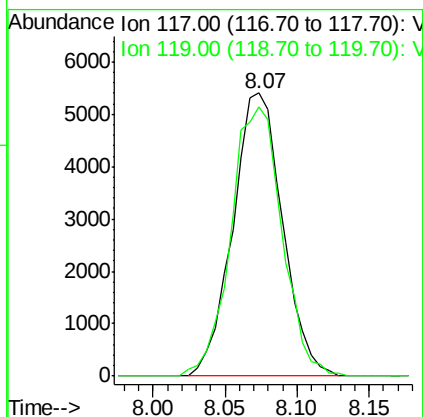
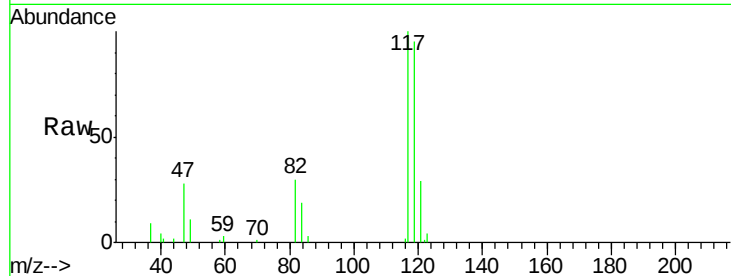




#32
Carbon tetrachloride
Concen: 2.455 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

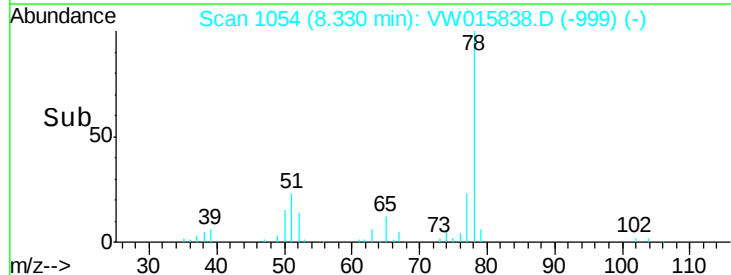
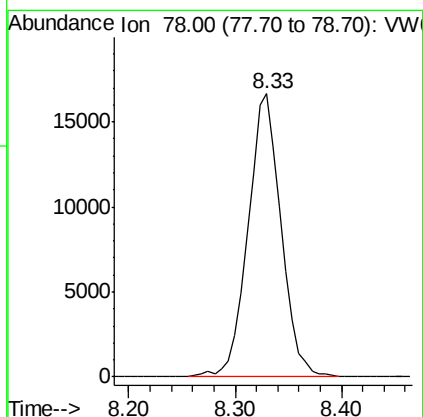
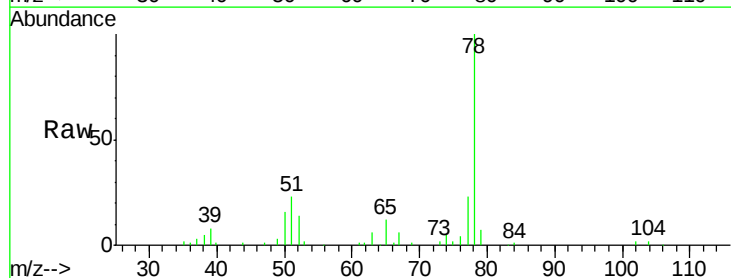
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

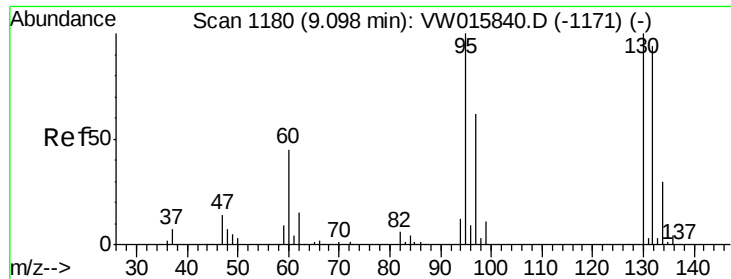
Tgt Ion: 117 Resp: 12959
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4



#34
Benzene
Concen: 2.463 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion: 78 Resp: 36150

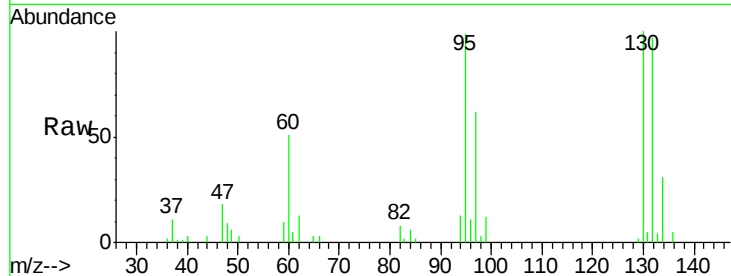




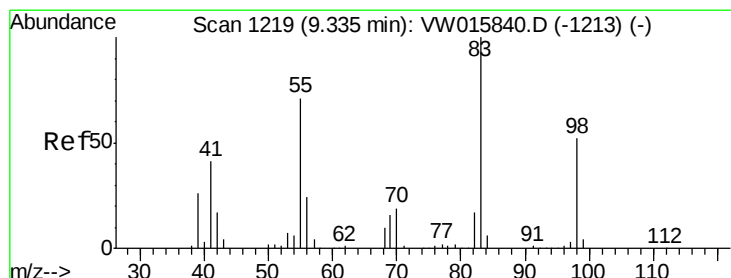
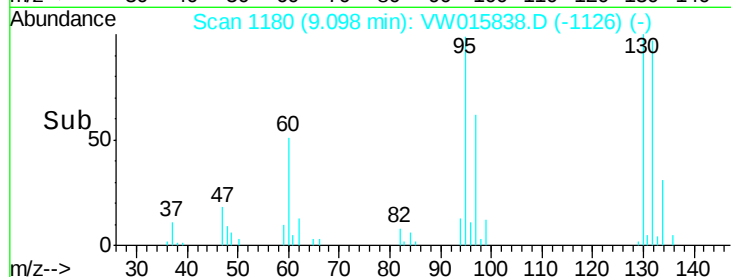
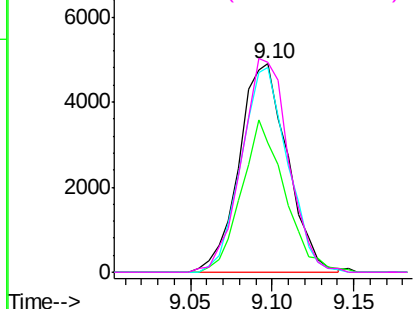
#35
 Trichloroethene
 Concen: 2.558 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tgt Ion:	95	Resp:	10075
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.6	82.8
132	94.0	67.0	124.4
130	99.6	70.1	130.1

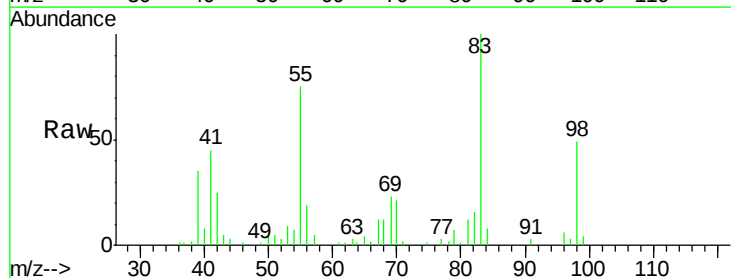


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

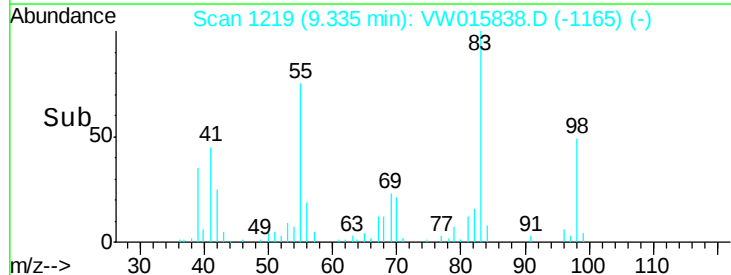
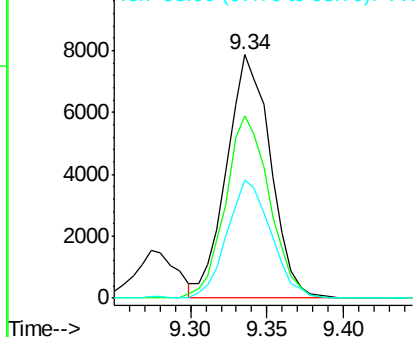


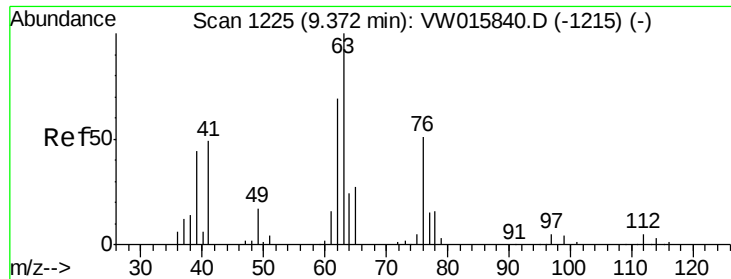
#36
 Methylcyclohexane
 Concen: 2.305 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion:	83	Resp:	15692
Ion	Ratio	Lower	Upper
83	100		
55	74.9	55.5	83.3
98	48.3	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

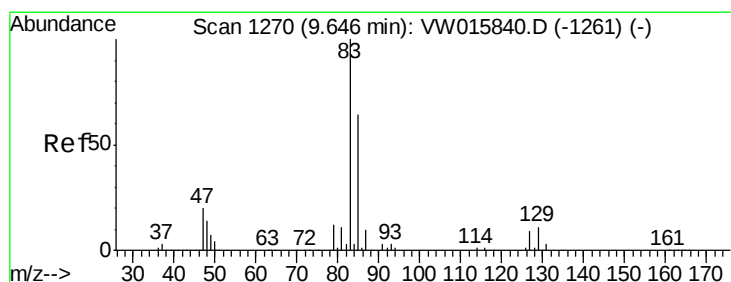
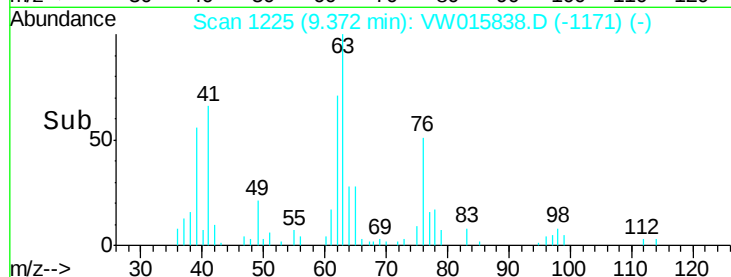
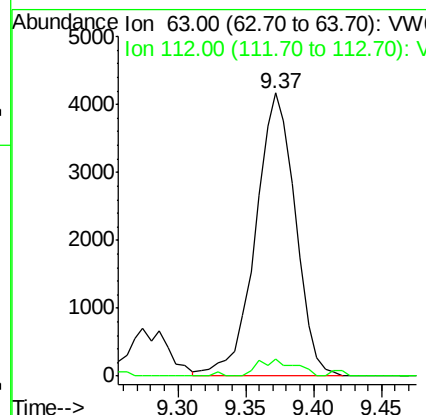
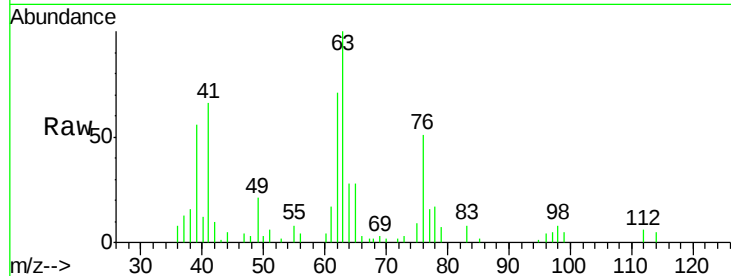




#40
 1,2-Dichloropropane
 Concen: 2.404 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

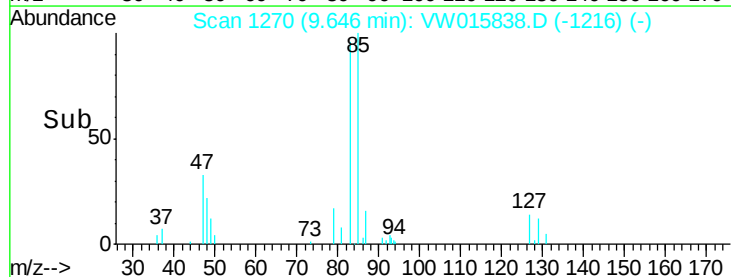
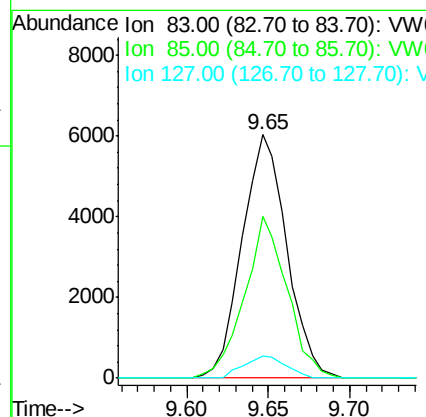
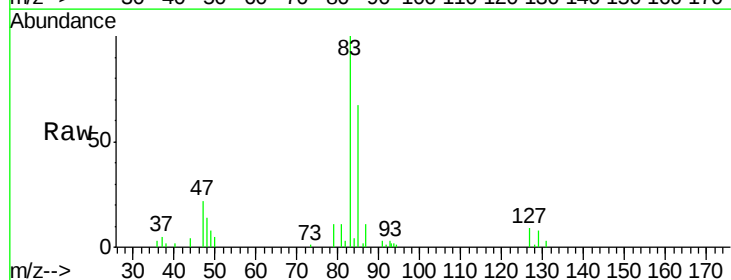
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

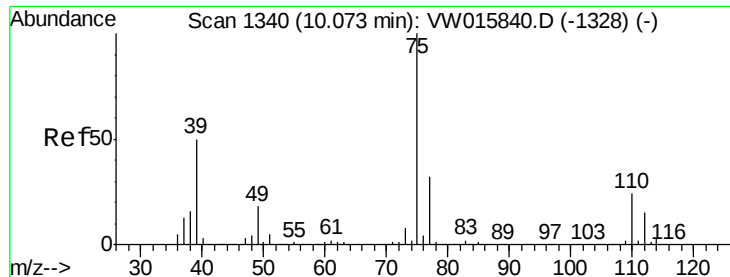
Tgt Ion: 63 Resp: 8582
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.9 5.9



#41
 Bromodichloromethane
 Concen: 2.466 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion: 83 Resp: 11495
 Ion Ratio Lower Upper
 83 100
 85 66.6 44.6 82.8
 127 9.0 6.8 10.2

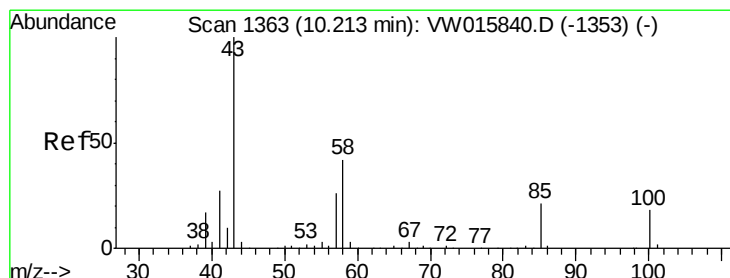
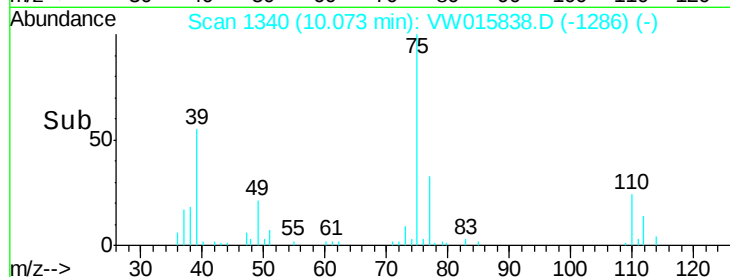
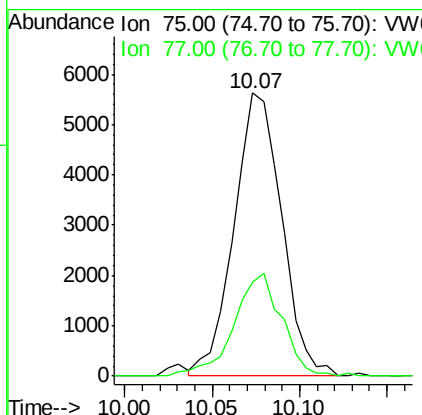
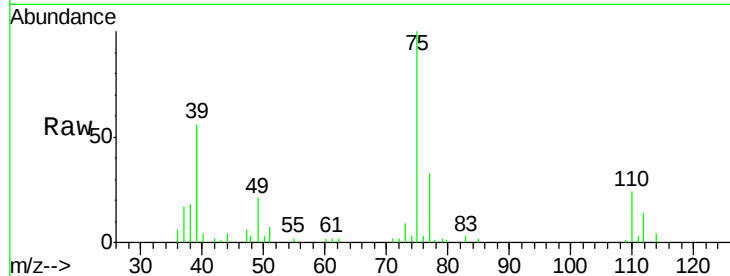




#42
 cis-1,3-Dichloropropene
 Concen: 1.926 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

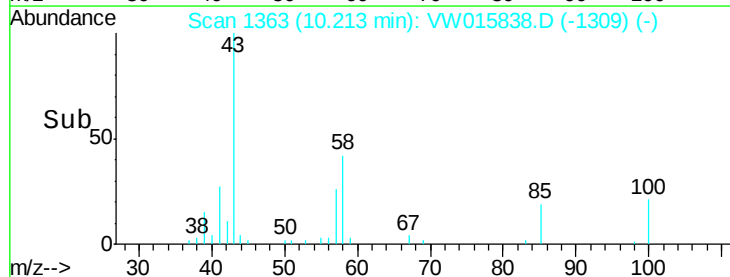
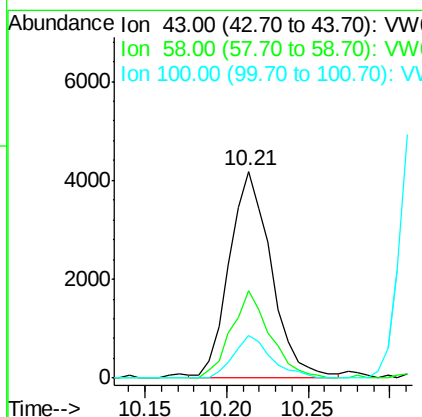
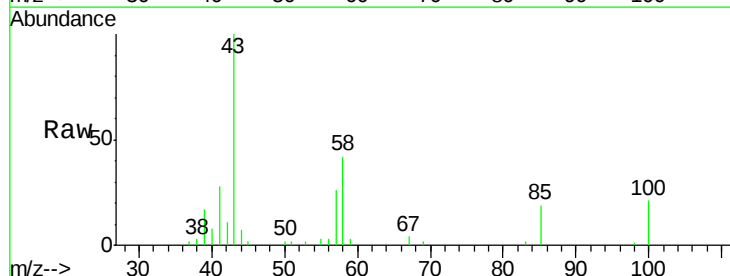
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

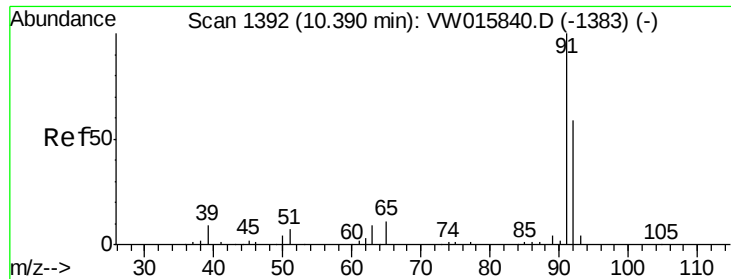
Tgt Ion: 75 Resp: 10680
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 3.773 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion: 43 Resp: 7491
 Ion Ratio Lower Upper
 43 100
 58 38.8 33.0 49.4
 100 18.5 15.0 22.6





#44

Toluene

Concen: 2.364 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

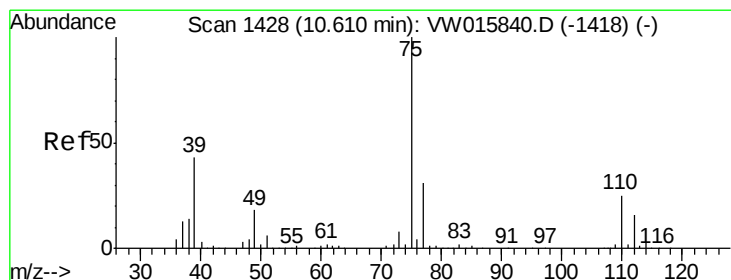
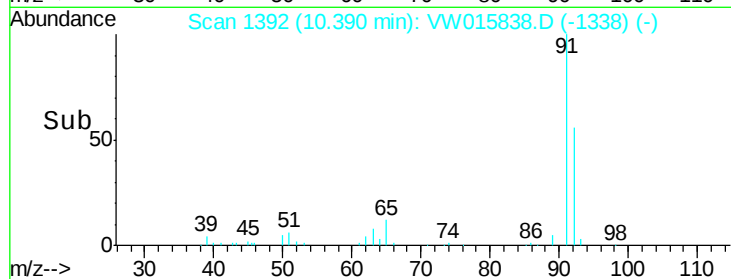
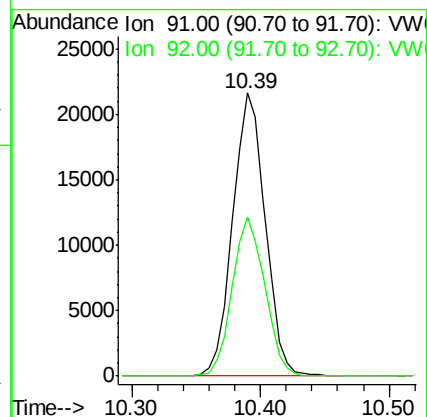
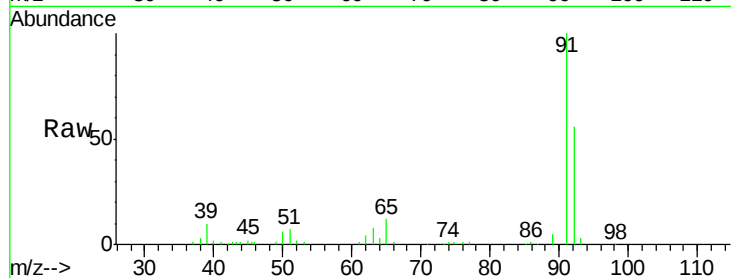
VSTD2.505

Tgt Ion: 91 Resp: 38093

Ion Ratio Lower Upper

91 100

92 56.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 2.002 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015838.D

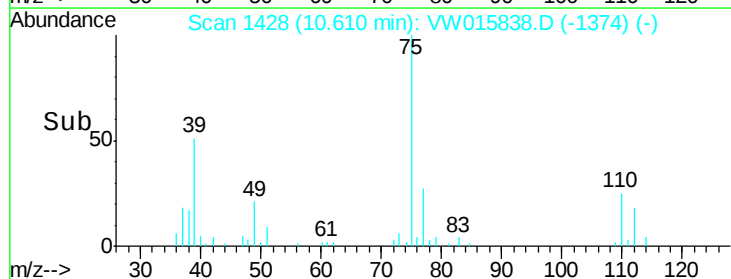
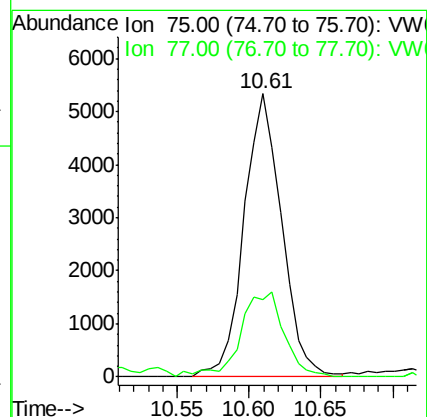
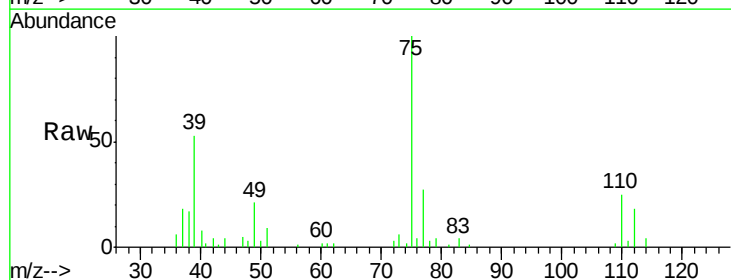
Acq: 13 Jul 2020 11:04

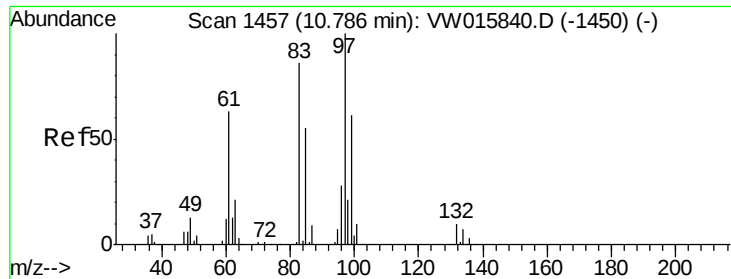
Tgt Ion: 75 Resp: 9674

Ion Ratio Lower Upper

75 100

77 27.4 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 2.495 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion: 97 Resp: 6476

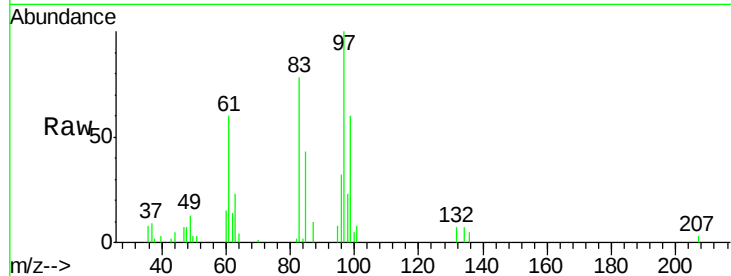
Ion Ratio Lower Upper

97 100

83 78.3 60.3 112.1

85 43.4 38.6 71.6

99 59.9 42.6 79.2



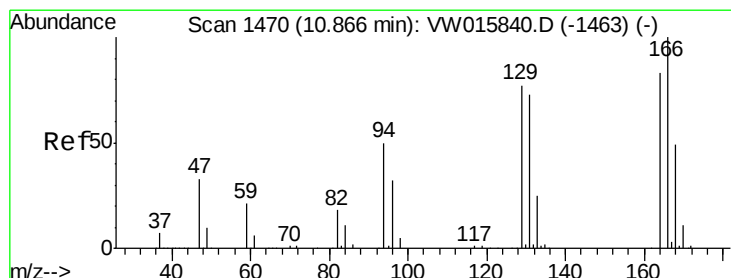
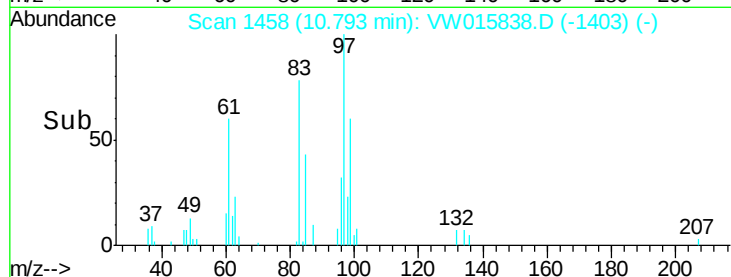
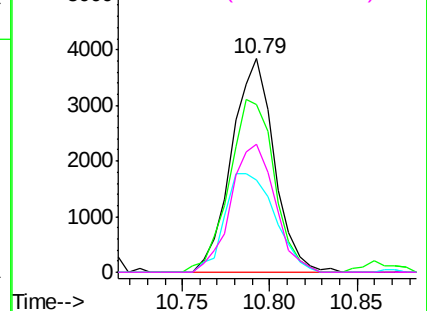
Abundance

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: 2.343 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Tgt Ion: 164 Resp: 7461

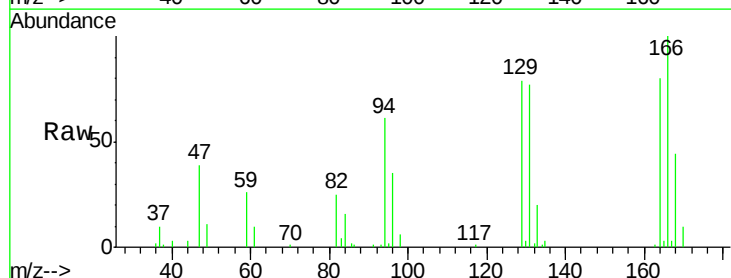
Ion Ratio Lower Upper

164 100

129 98.6 65.1 120.9

131 96.3 62.0 115.2

166 125.2 84.6 157.0



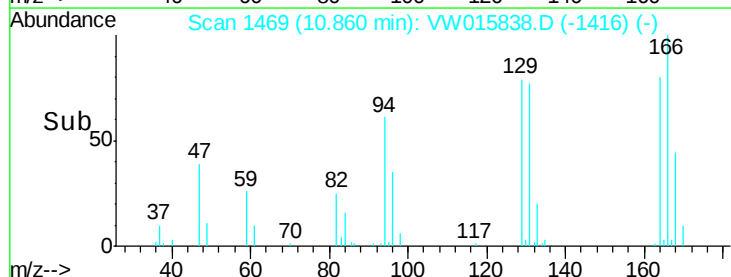
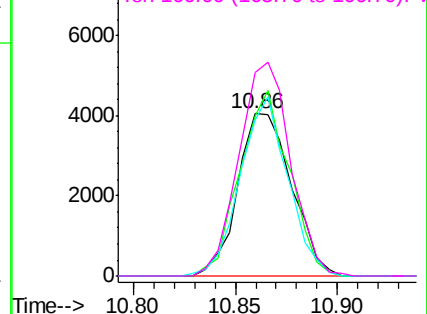
Abundance

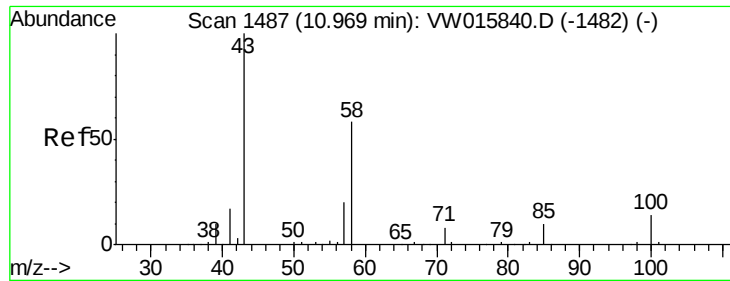
Ion 164.00 (163.70 to 164.70): V

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

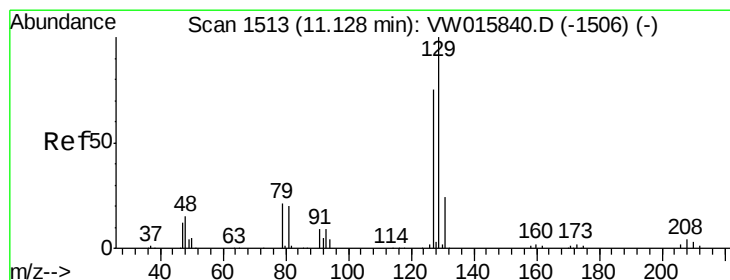
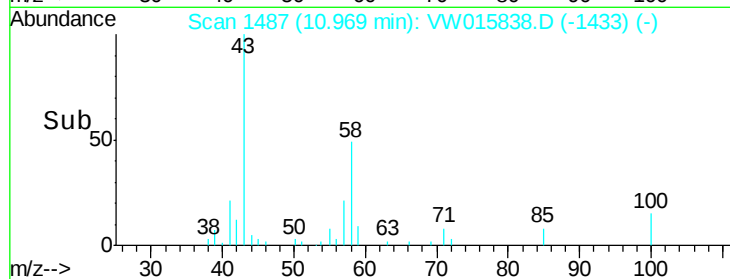
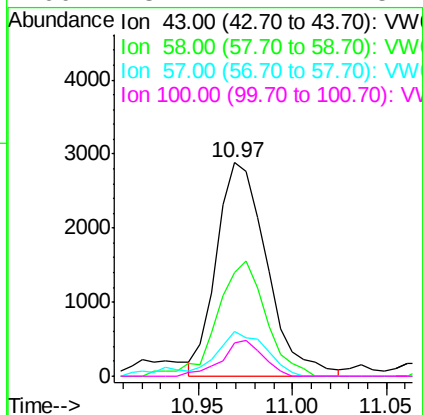
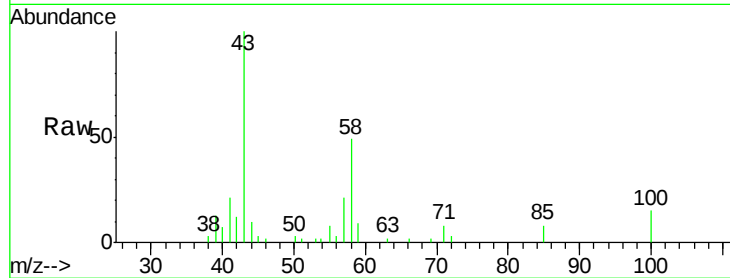




#49
2-Hexanone
Concen: 3.853 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

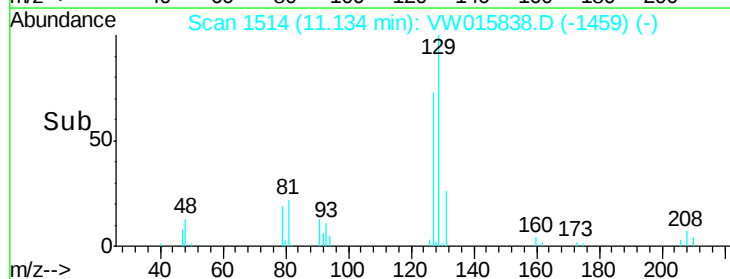
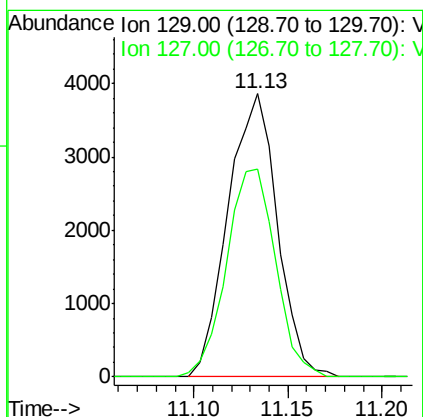
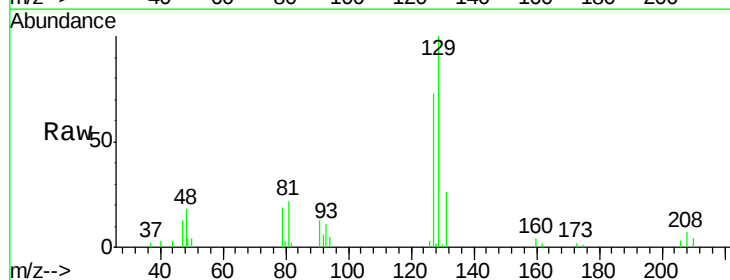
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

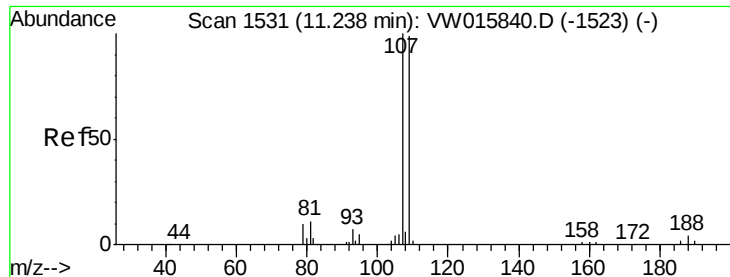
Tgt Ion:	43	Resp:	5355
Ion	Ratio	Lower	Upper
43	100		
58	50.6	45.8	68.8
57	20.0	16.9	25.3
100	13.7	12.2	18.4



#50
Dibromochloromethane
Concen: 2.269 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion:	129	Resp:	6994
Ion	Ratio	Lower	Upper
129	100		
127	73.4	52.6	97.6

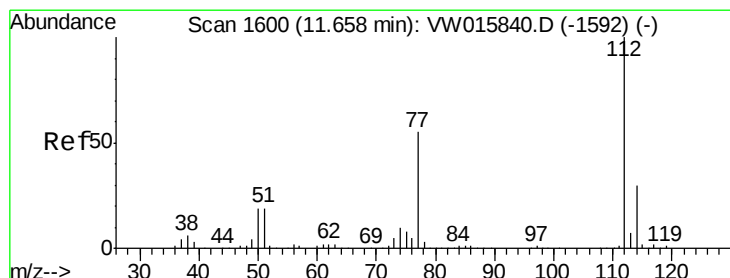
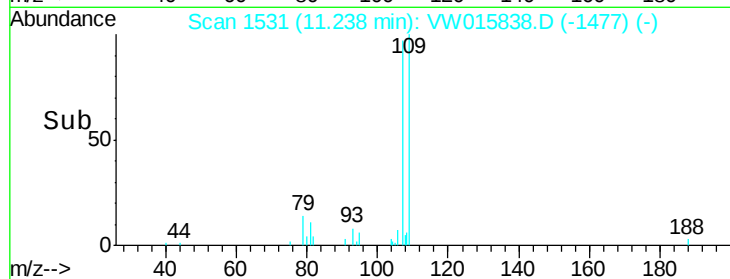
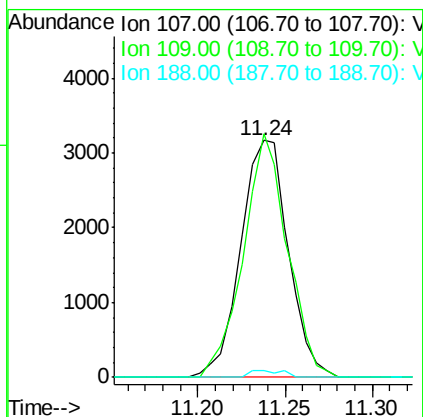
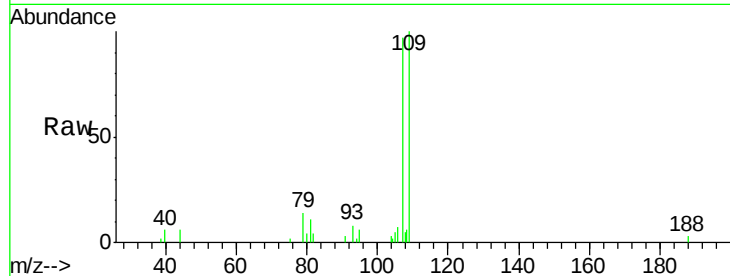




#51
1,2-Dibromoethane
Concen: 2.370 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

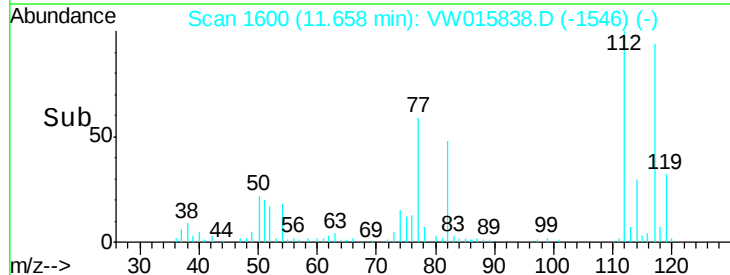
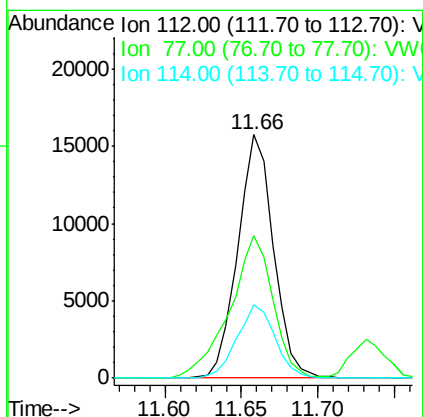
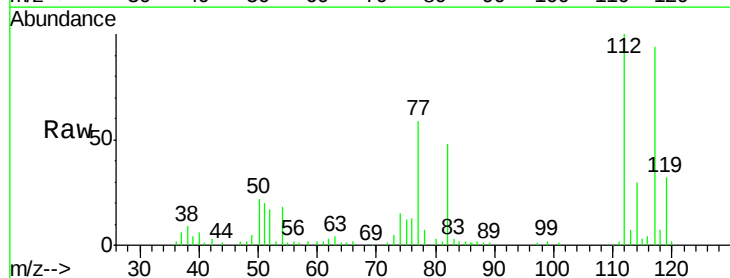
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

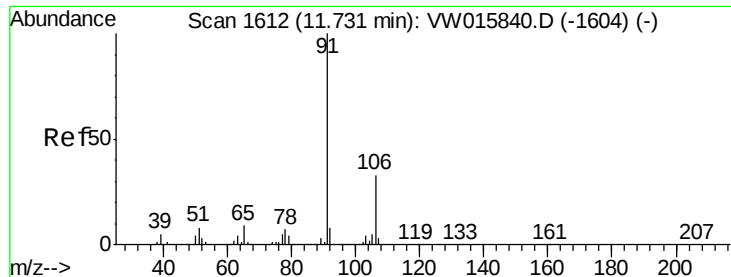
Tgt Ion:107 Resp: 5991
Ion Ratio Lower Upper
107 100
109 102.8 69.3 128.7
188 3.1 3.3 4.9#



#52
Chlorobenzene
Concen: 2.490 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion:112 Resp: 25451
Ion Ratio Lower Upper
112 100
77 58.5 43.9 65.9
114 30.3 20.9 38.9

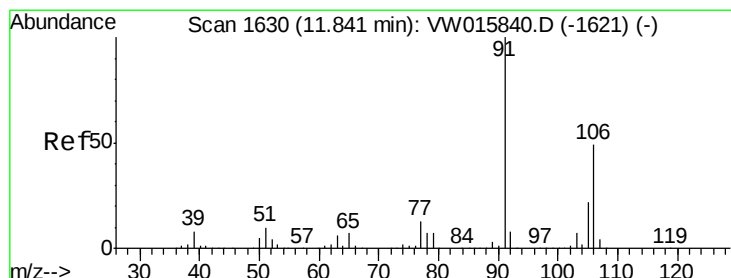
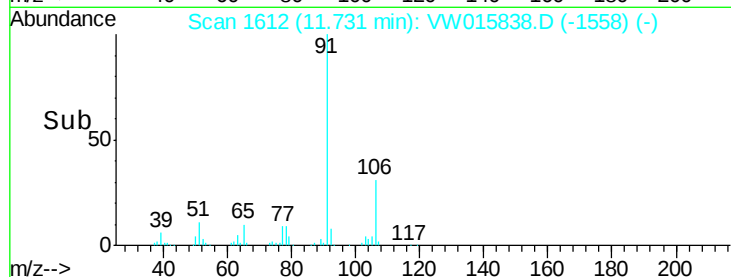
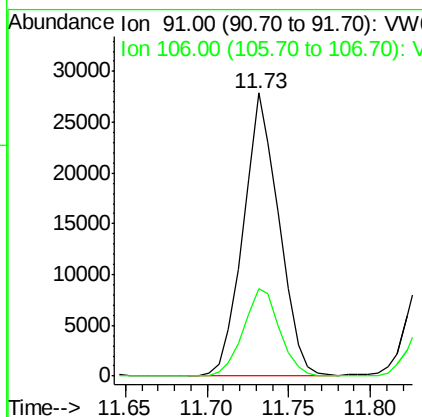
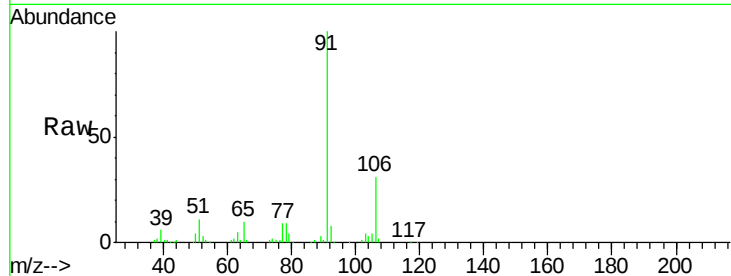




#53
Ethylbenzene
Concen: 2.333 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

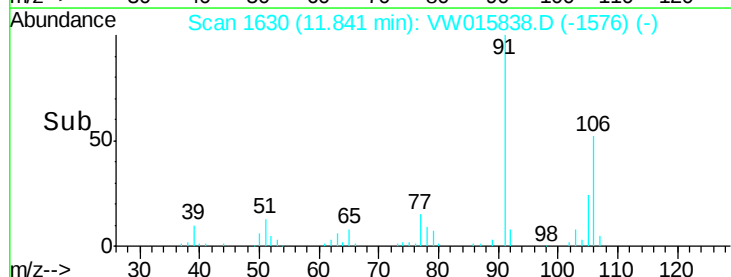
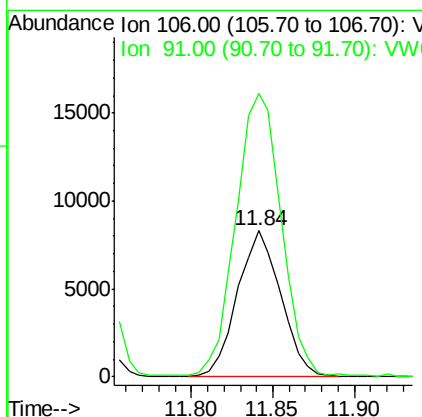
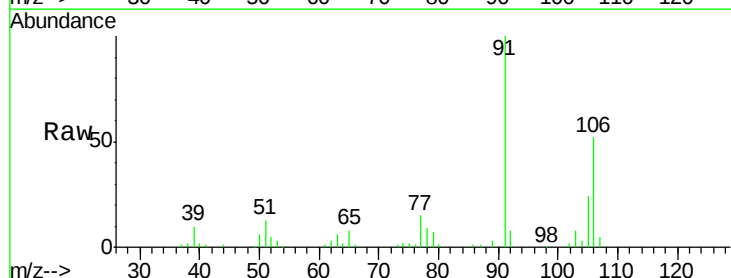
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

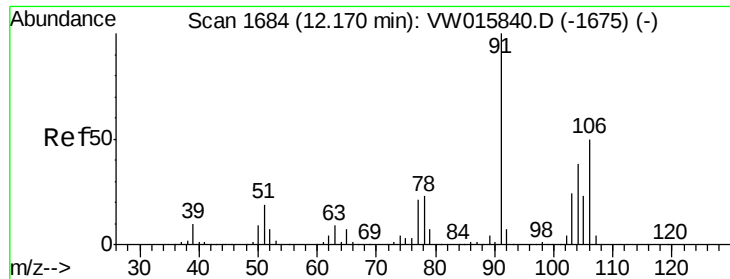
Tgt Ion: 91 Resp: 42489
Ion Ratio Lower Upper
91 100
106 30.8 22.7 42.3



#54
m,p-Xylene
Concen: 2.244 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion: 106 Resp: 15428
Ion Ratio Lower Upper
106 100
91 193.4 143.9 267.3

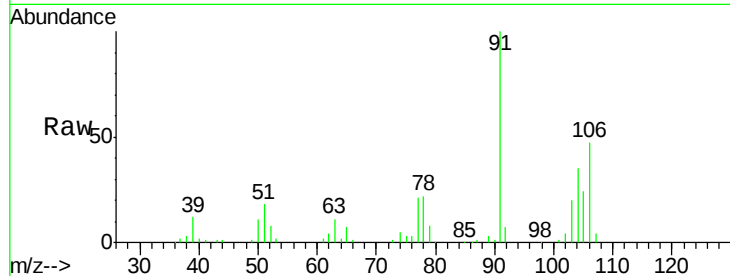




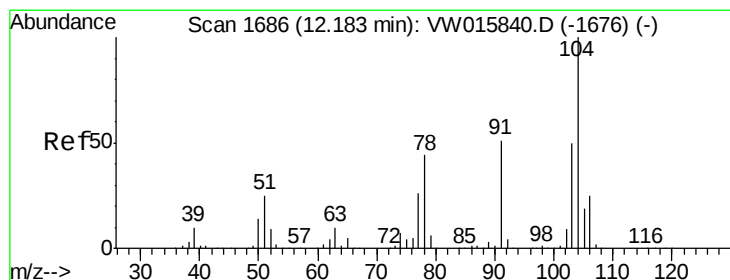
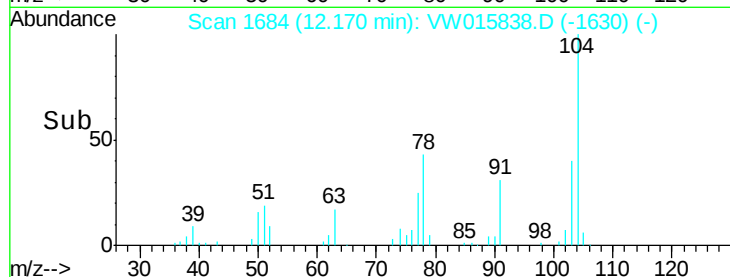
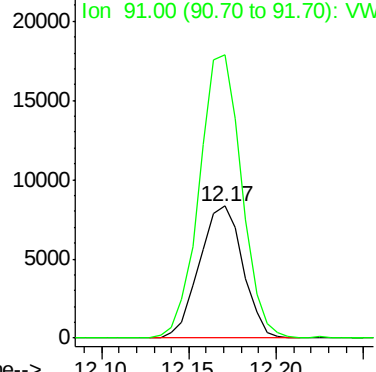
#55
o-xylene
Concen: 2.188 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Tgt Ion:106 Resp: 14424
Ion Ratio Lower Upper
106 100
91 214.1 141.1 262.0

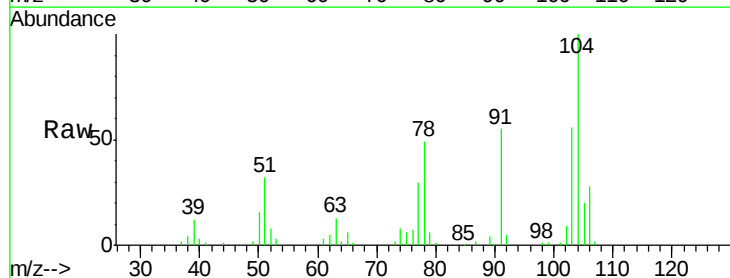


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

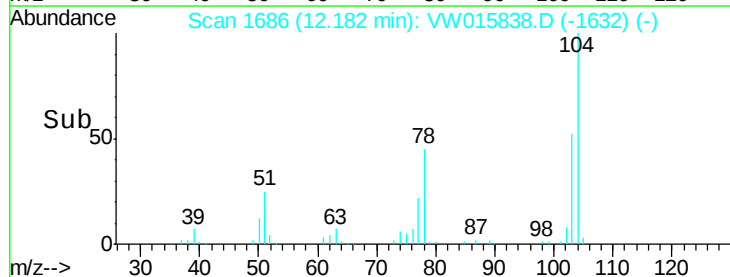
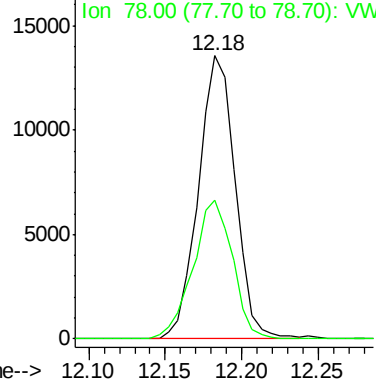


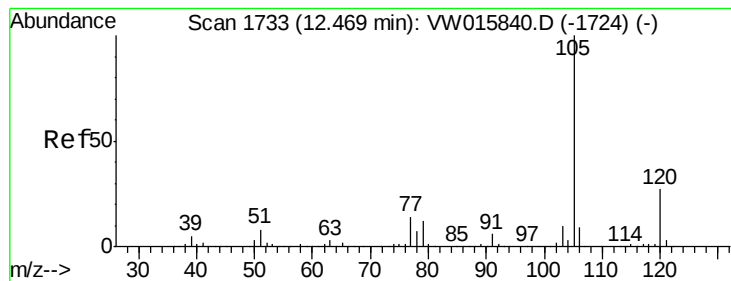
#56
Styrene
Concen: 2.035 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015838.D
Acq: 13 Jul 2020 11:04

Tgt Ion:104 Resp: 22695
Ion Ratio Lower Upper
104 100
78 49.2 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: 2.126 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

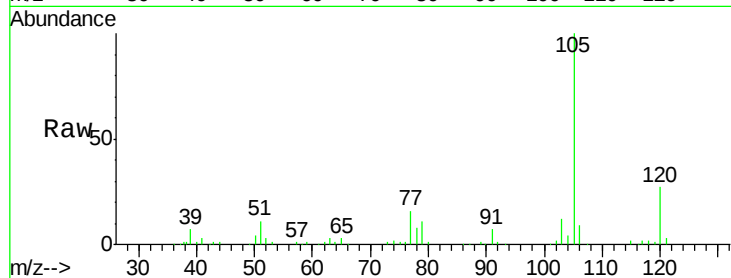
Tgt Ion:105 Resp: 38534

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.0

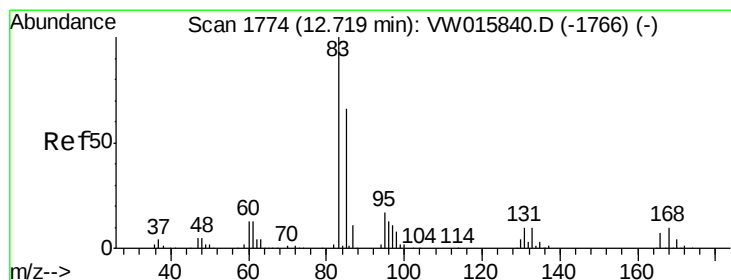
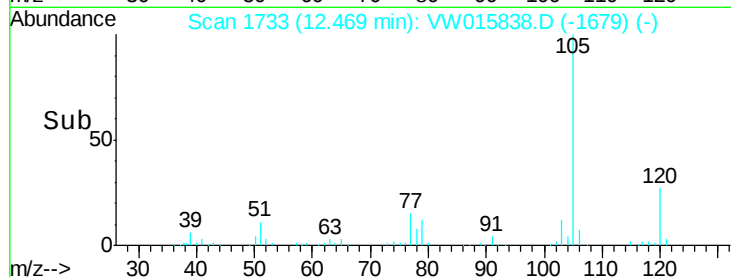
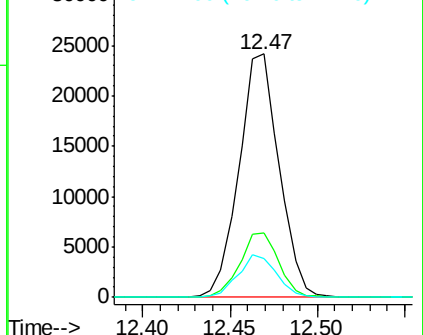
77 16.9 12.2 18.2



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: 2.372 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

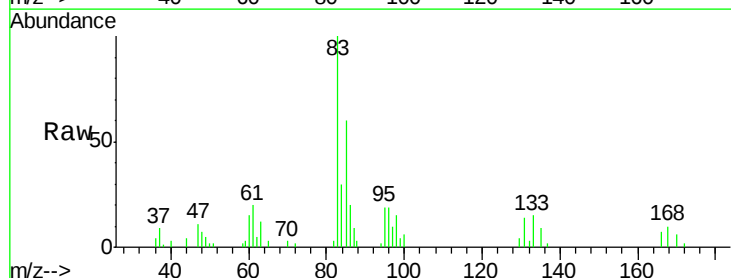
Tgt Ion: 83 Resp: 7253

Ion Ratio Lower Upper

83 100

85 59.7 46.2 85.8

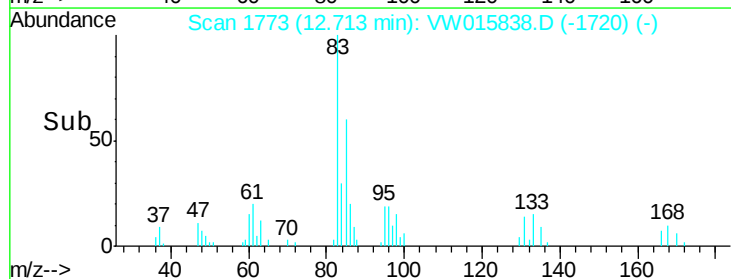
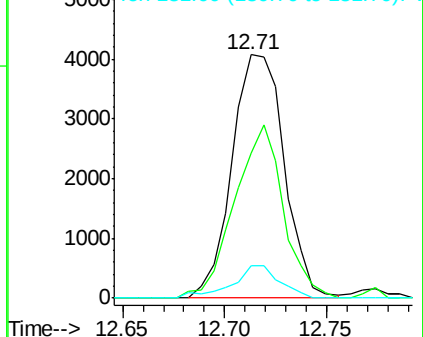
131 13.5 8.1 12.1#

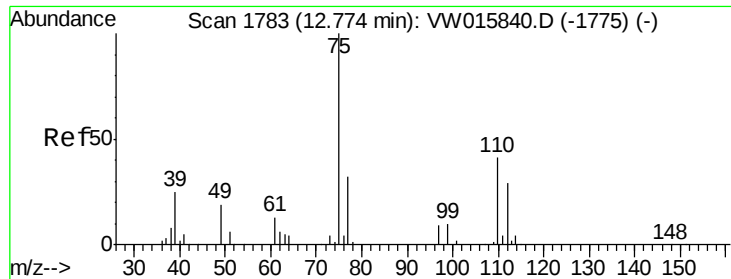


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.352 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

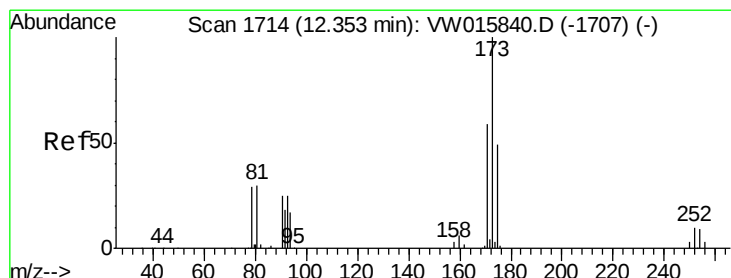
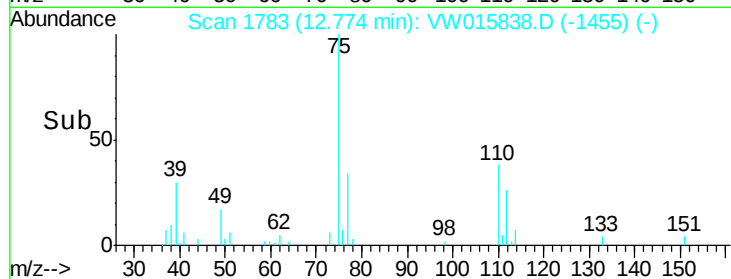
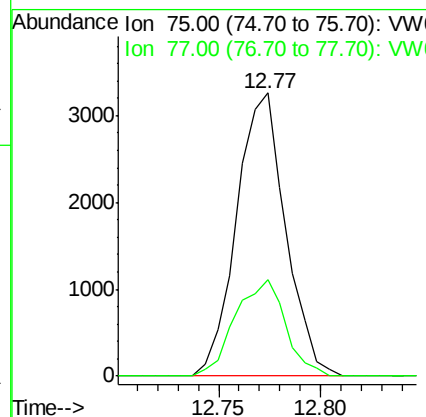
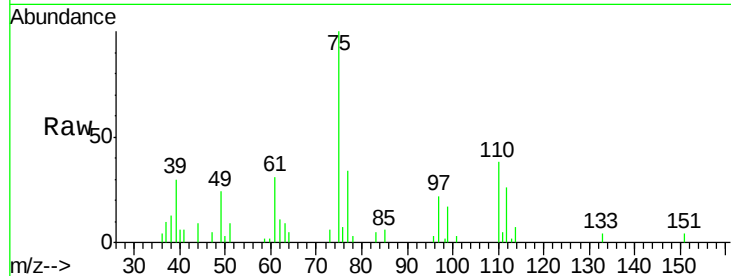
VSTD2.505

Tgt Ion: 75 Resp: 5424

Ion Ratio Lower Upper

75 100

77 34.9 25.8 38.8



#62

Bromoform

Concen: 2.260 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

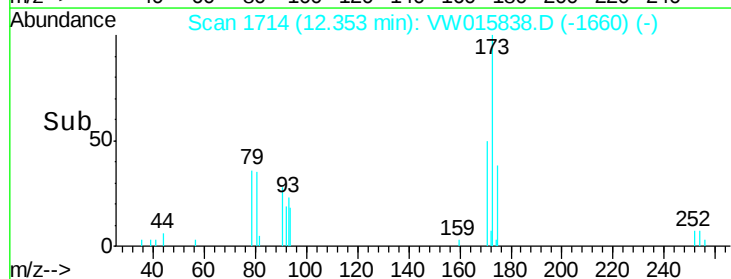
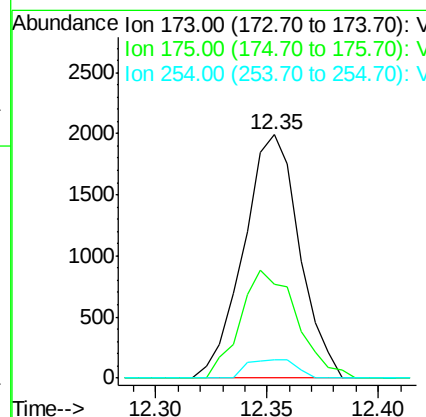
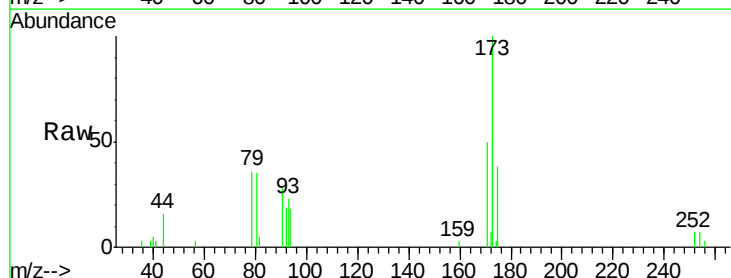
Tgt Ion: 173 Resp: 3466

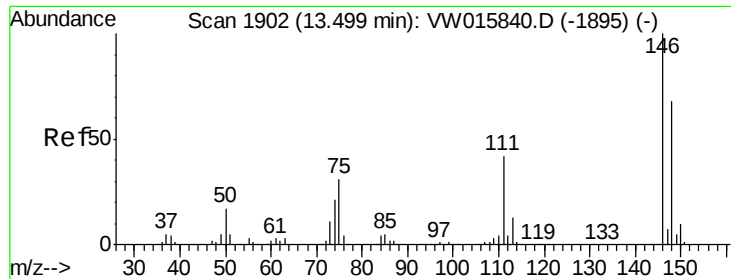
Ion Ratio Lower Upper

173 100

175 45.1 38.2 57.4

254 6.6 6.6 9.8

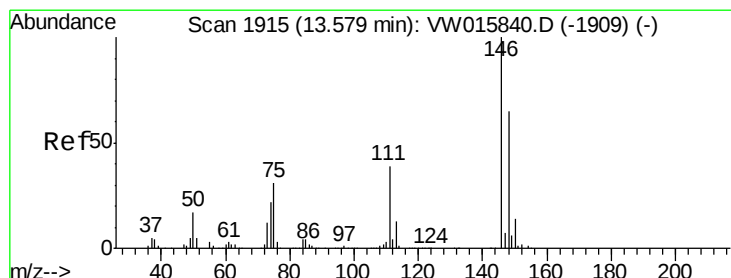
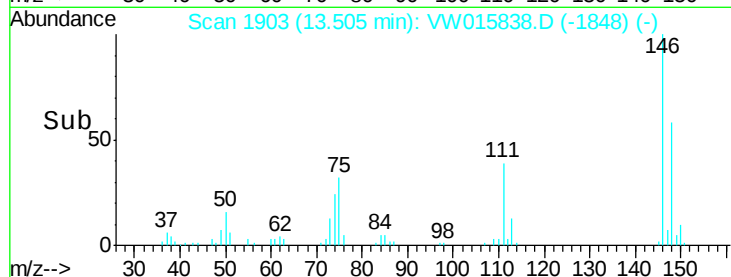
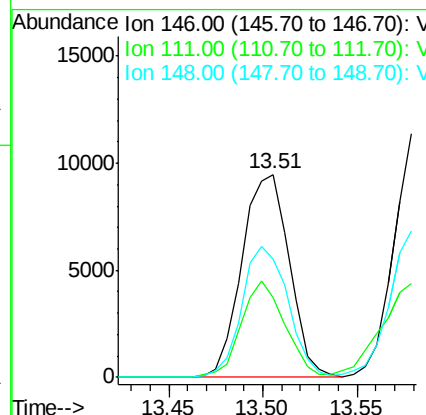
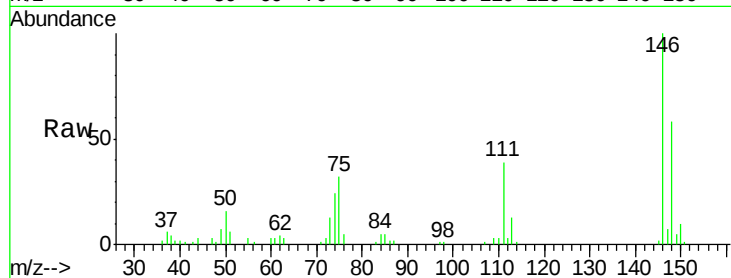




#63
 1,3-Dichlorobenzene
 Concen: 2.302 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

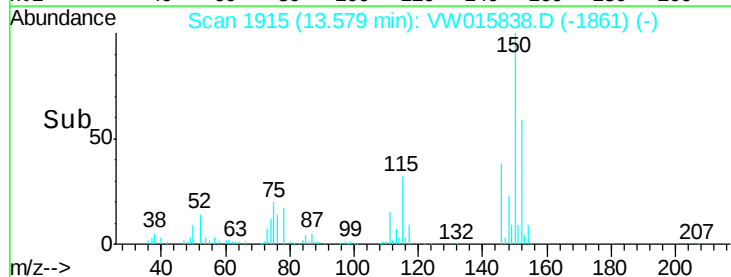
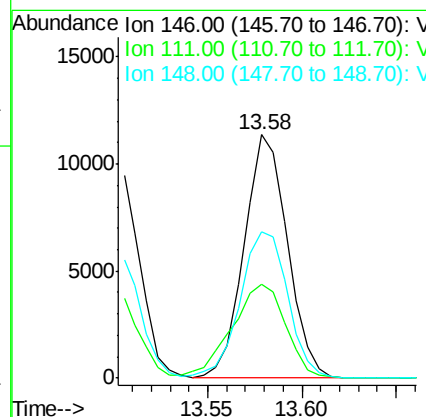
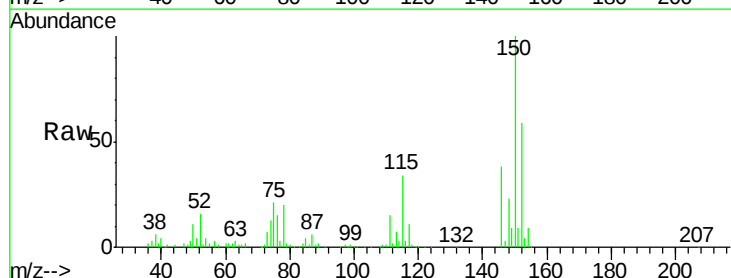
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.505

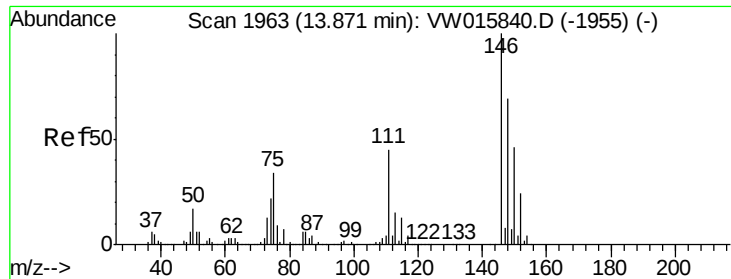
Tgt Ion:146 Resp: 16539
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.2 54.2
 148 58.0 47.7 88.7



#64
 1,4-Dichlorobenzene
 Concen: 2.528 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion:146 Resp: 18133
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.6 51.2
 148 59.9 45.3 84.1

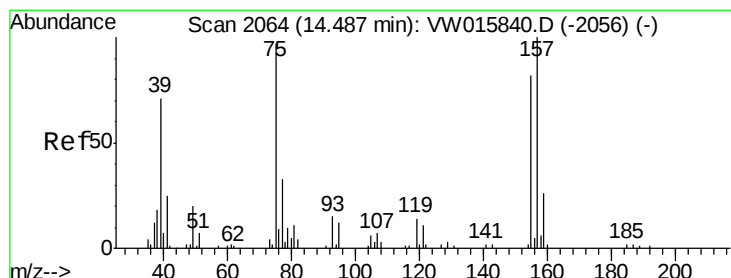
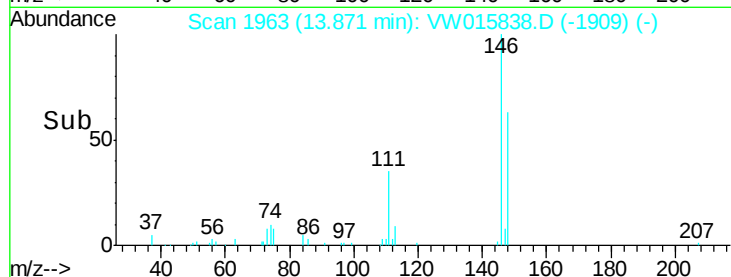
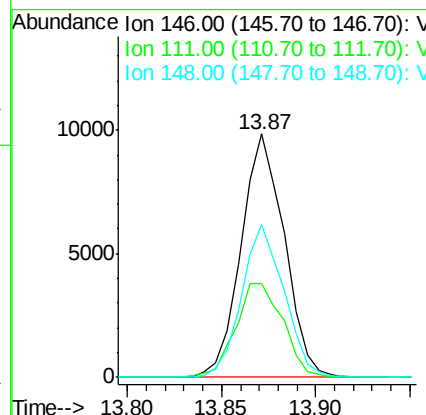
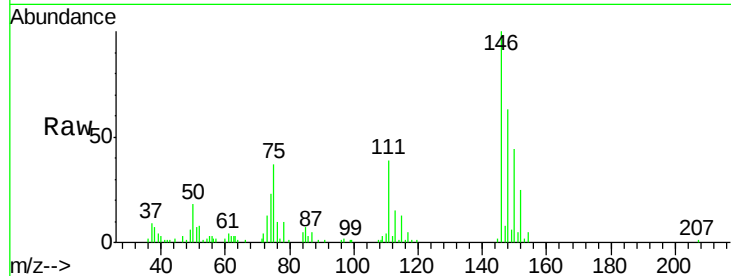




#65
 1,2-Dichlorobenzene
 Concen: 2.470 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

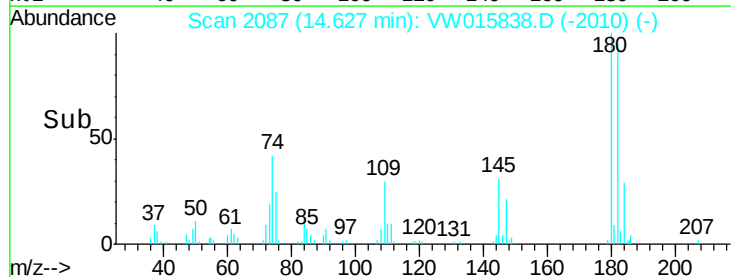
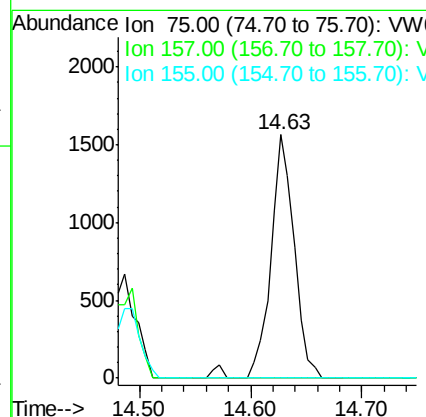
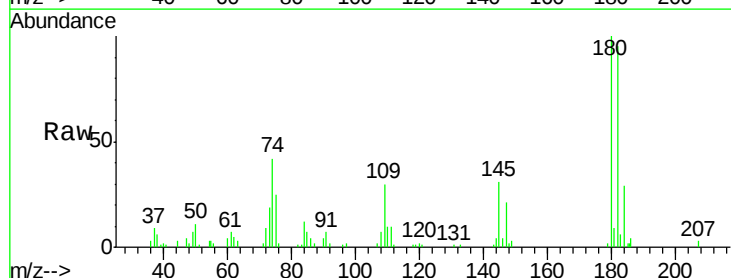
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

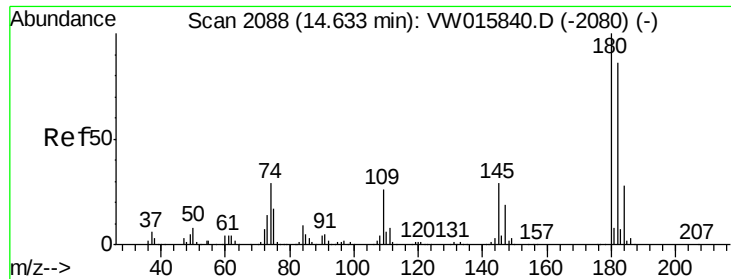
Tgt Ion: 146 Resp: 15616
 Ion Ratio Lower Upper
 146 100
 111 38.5 36.2 54.4
 148 62.8 55.1 82.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.280 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.14 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion: 75 Resp: 2314
 Ion Ratio Lower Upper
 75 100
 157 0.0 82.2 123.2#
 155 0.0 67.7 101.5#

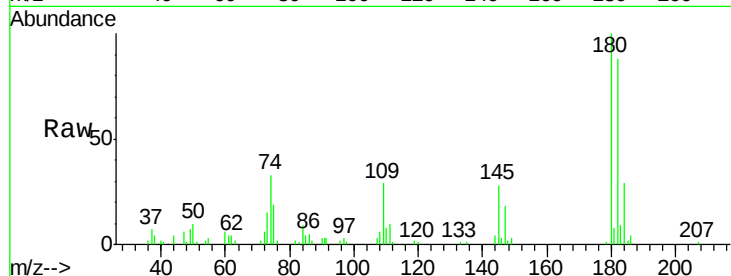




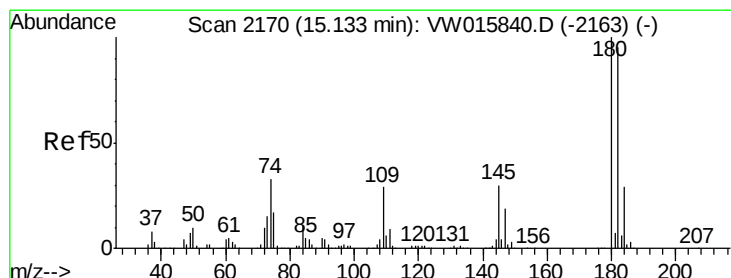
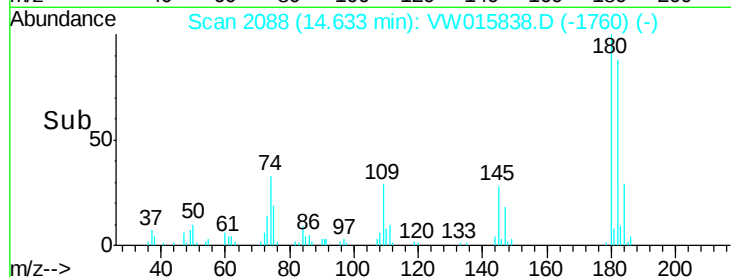
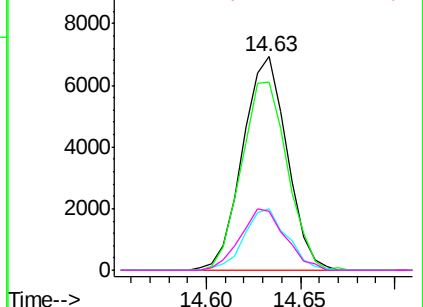
#67
 1,3,5-Trichlorobenzene
 Concen: 2.314 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tgt Ion:180 Resp: 11276
 Ion Ratio Lower Upper
 180 100
 182 91.6 75.3 112.9
 184 28.0 22.8 34.2
 145 29.5 24.6 37.0

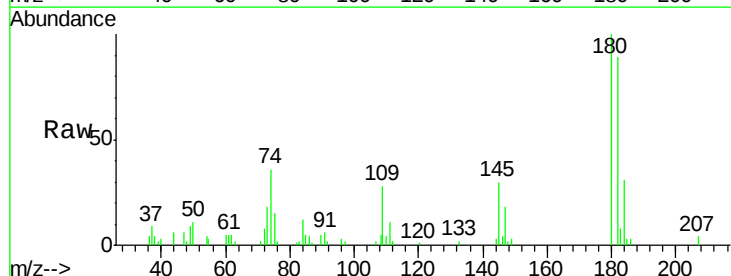


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

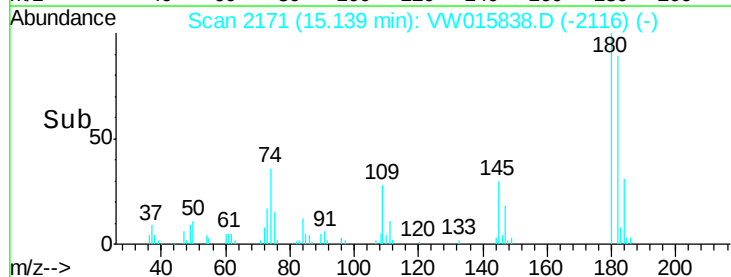
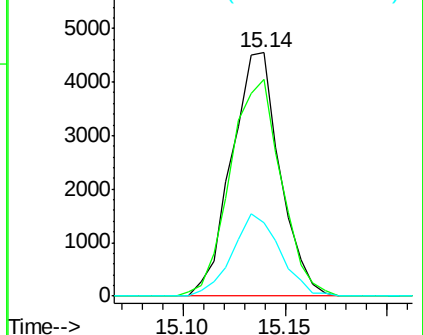


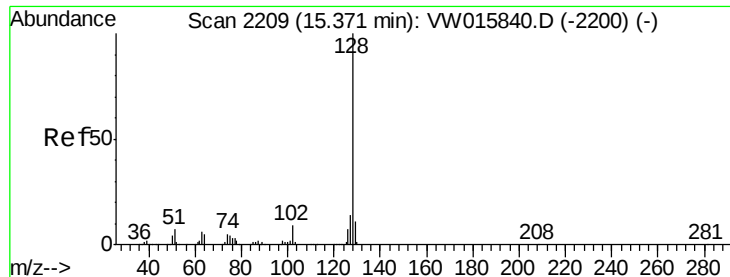
#68
 1,2,4-trichlorobenzene
 Concen: 1.910 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015838.D
 Acq: 13 Jul 2020 11:04

Tgt Ion:180 Resp: 7480
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.2 112.8
 145 33.5 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: 1.633 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

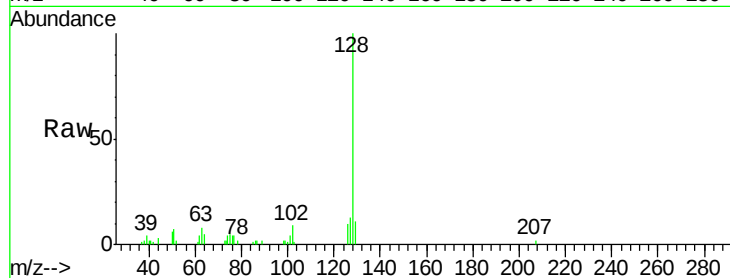
Tgt Ion:128 Resp: 11669

Ion Ratio Lower Upper

128 100

129 12.2 8.6 13.0

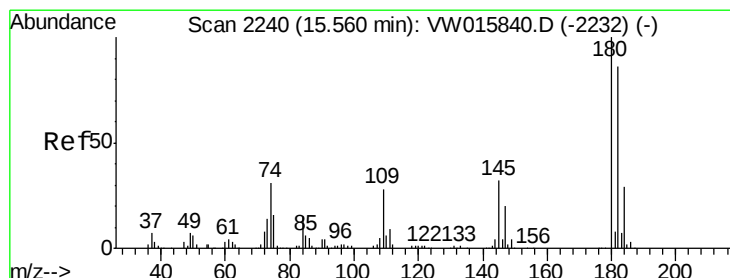
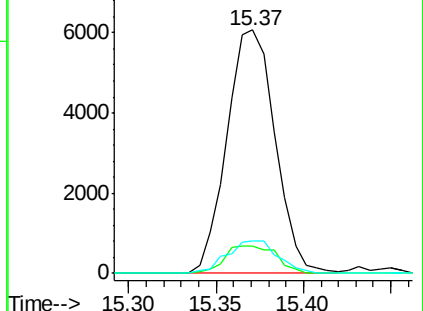
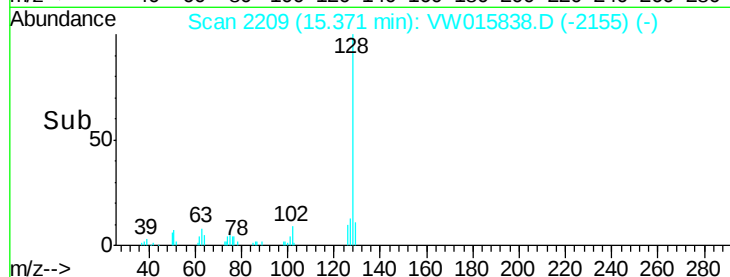
127 14.1 10.7 16.1



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: 2.026 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015838.D

Acq: 13 Jul 2020 11:04

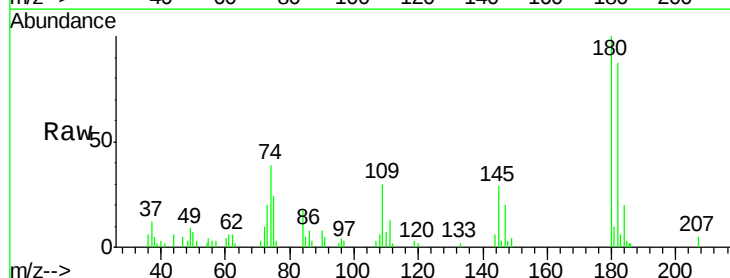
Tgt Ion:180 Resp: 6855

Ion Ratio Lower Upper

180 100

182 93.2 73.1 109.7

145 33.8 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

