

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071320\
 Data File : VW015839.D
 Acq On : 13 Jul 2020 11:28
 Operator : SY/VA
 Sample : VSTD00506
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

Quant Time: Jul 13 13:03:05 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	270582	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	255809	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	119379	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	27022	6.14	ug/L	0.00
7) Chloroethane-d5	2.89	69	28163	7.36	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	33878	4.53	ug/L	0.00
20) 2-Butanone-d5	7.10	46	7356	8.42	ug/L	0.02
24) Chloroform-d	7.65	84	38434	5.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20957	4.96	ug/L	0.00
29) Benzene-d6	8.28	84	73866	4.93	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	21668	4.91	ug/L	0.00
37) Toluene-d8	10.33	98	68718	4.88	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	8693	4.48	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4979	7.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16905	4.96	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	23190	5.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8760	3.794 ug/L	92
3) Chloromethane	2.21	50	15905	5.714 ug/L	95
5) Vinyl chloride	2.37	62	28684	6.719 ug/L	96
6) Bromomethane	2.79	94	30027	9.669 ug/L	100
8) Chloroethane	2.93	64	21371	7.632 ug/L	95
9) Trichlorofluoromethane	3.26	101	25919	7.604 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15754	4.980 ug/L #	75
12) 1,1-Dichloroethene	4.03	96	14188	4.646 ug/L	92
13) Acetone	4.15	43	5623	7.858 ug/L	84
14) Carbon disulfide	4.38	76	48267	5.002 ug/L	99
15) Methyl Acetate	4.69	43	5534	4.204 ug/L #	60
16) Methylene chloride	4.92	84	20379	5.193 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	22440	4.780 ug/L #	91
18) trans-1,2-Dichloroethene	5.43	96	17349	5.107 ug/L	97
19) 1,1-Dichloroethane	6.22	63	31983	5.264 ug/L	97
21) 2-Butanone	7.18	43	7191	7.913 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	17889	5.114 ug/L	94
23) Bromochloromethane	7.51	128	8122	5.258 ug/L	86
25) Chloroform	7.68	83	34559	5.560 ug/L	99
27) 1,2-Dichloroethane	8.40	62	22475	5.260 ug/L	98
30) Cyclohexane	7.96	56	25777	4.565 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	29405	5.301 ug/L	99
32) Carbon tetrachloride	8.07	117	26440	5.227 ug/L	99
34) Benzene	8.33	78	72902	5.183 ug/L	100
35) Trichloroethene	9.09	95	19758	5.235 ug/L	99
36) Methylcyclohexane	9.34	83	32350	4.959 ug/L	97
40) 1,2-Dichloropropane	9.37	63	18144	5.305 ug/L	99
41) Bromodichloromethane	9.65	83	23119	5.175 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	23986	4.513 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	15032	7.903 ug/L	99

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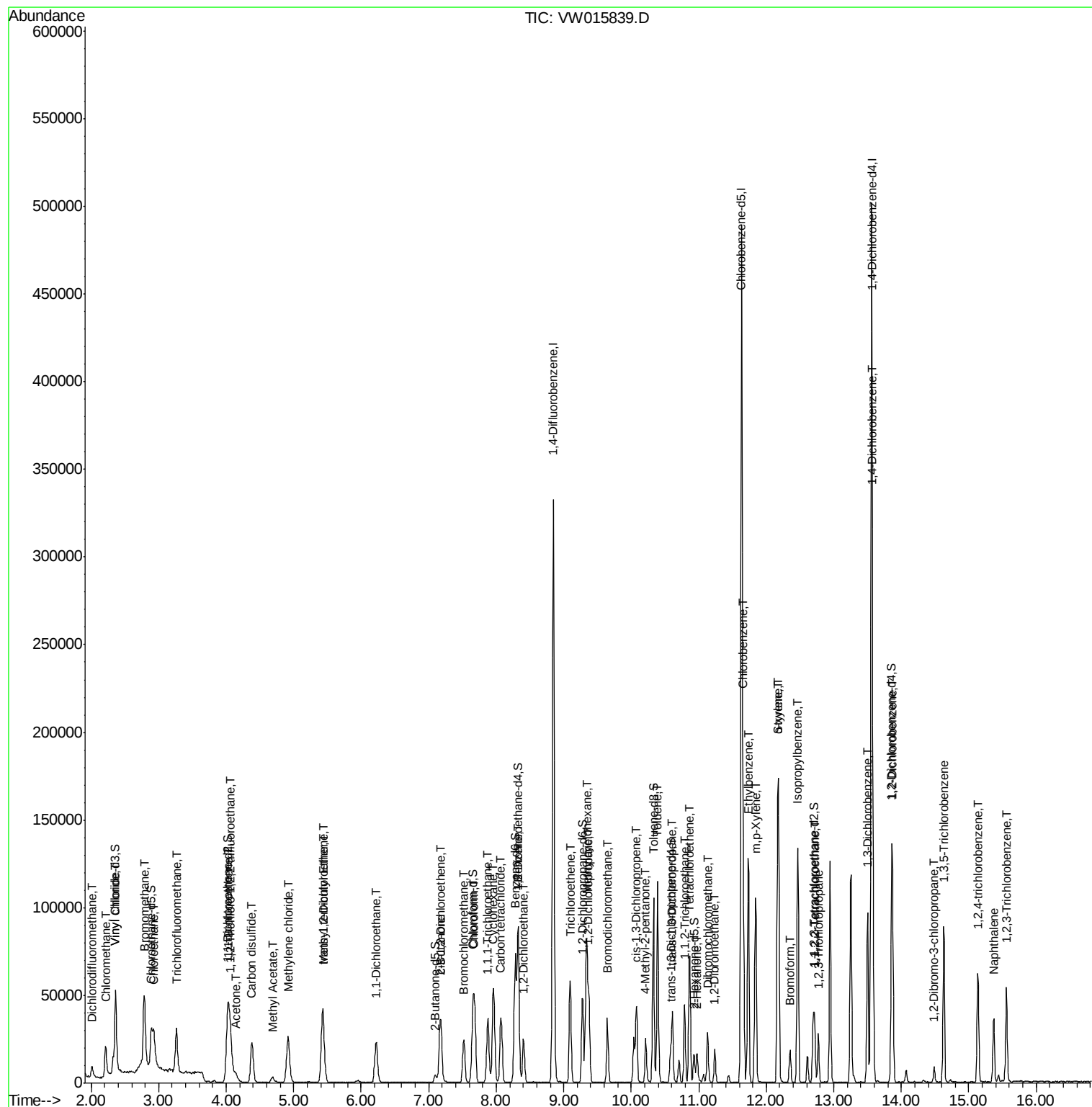
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	79640	5.157	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	21105	4.558	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	13803	5.550	ug/L	94
47) Tetrachloroethene	10.87	164	15775	5.170	ug/L	96
49) 2-Hexanone	10.98	43	10911	8.194	ug/L	94
50) Dibromochloromethane	11.13	129	14344	4.857	ug/L	92
51) 1,2-Dibromoethane	11.24	107	12167	5.024	ug/L	98
52) Chlorobenzene	11.66	112	52940	5.407	ug/L	92
53) Ethylbenzene	11.73	91	88703	5.084	ug/L	98
54) m,p-Xylene	11.84	106	32767	4.974	ug/L	99
55) o-xylene	12.17	106	30308	4.799	ug/L	88
56) Styrene	12.18	104	51223	4.793	ug/L	99
57) Isopropylbenzene	12.46	105	84881	4.887	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	14869	5.076	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	11123	5.034	ug/L	98
62) Bromoform	12.35	173	7294	4.749	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	36851	5.122	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	38684	5.385	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	34443	5.439	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	2247	5.119	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.63	180	23439	4.803	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	17948	4.575	ug/L	99
69) Naphthalene	15.37	128	29807	4.166	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	16742	4.940	ug/L	99

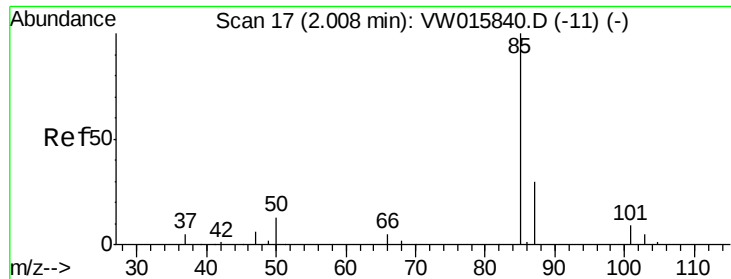
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.794 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

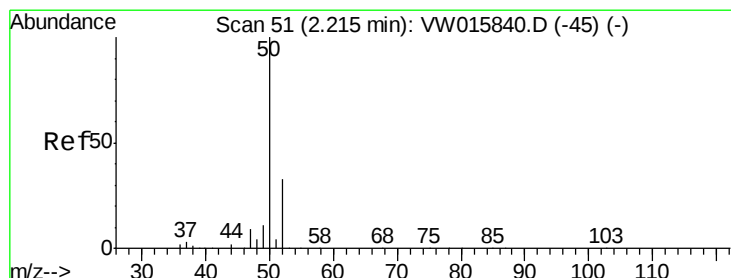
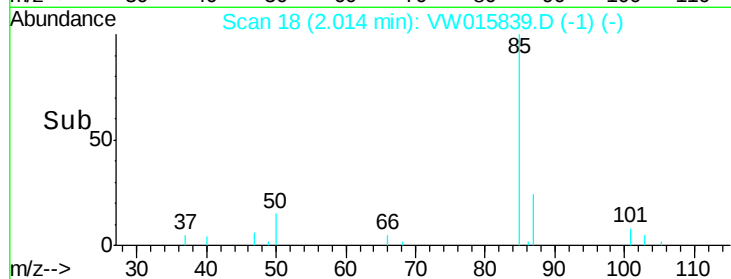
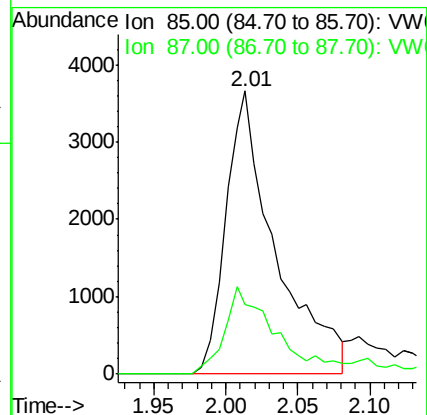
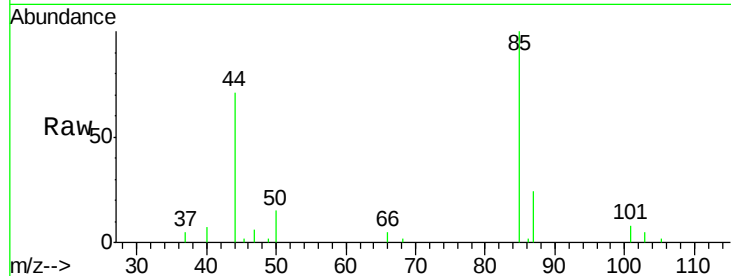
VSTD00506

Tgt Ion: 85 Resp: 8760

Ion Ratio Lower Upper

85 100

87 28.5 23.2 43.0



#3

Chloromethane

Concen: 5.714 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015839.D

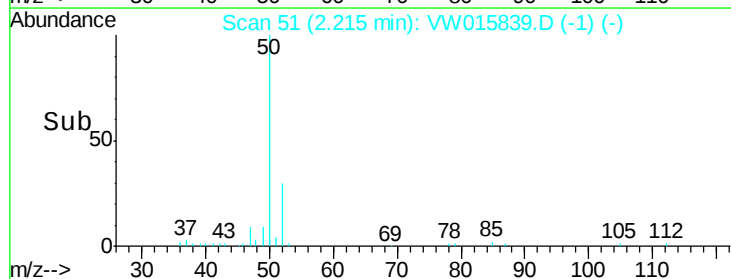
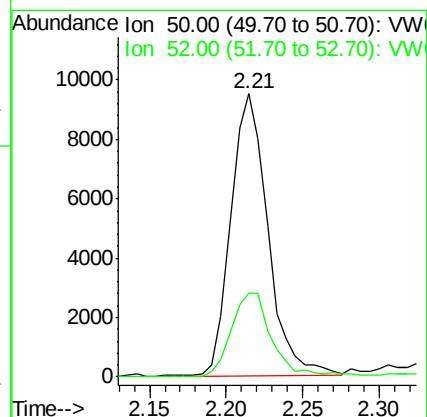
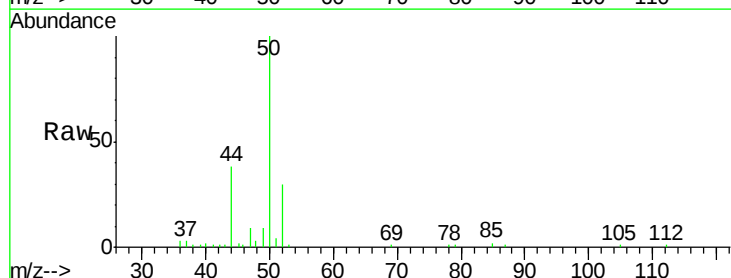
Acq: 13 Jul 2020 11:28

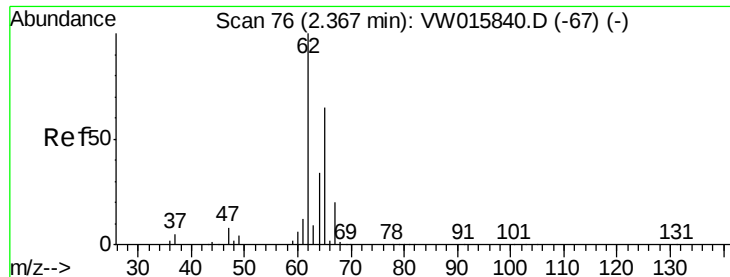
Tgt Ion: 50 Resp: 15905

Ion Ratio Lower Upper

50 100

52 29.6 22.8 42.4





#5

Vinyl chloride

Concen: 6.719 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

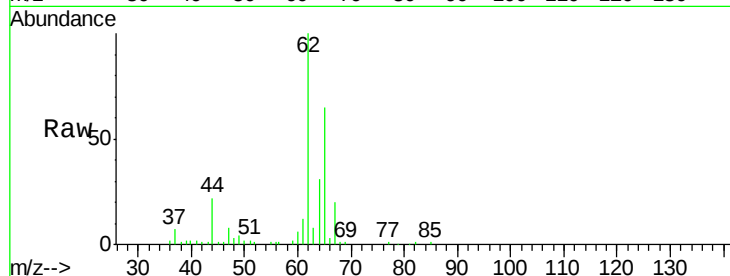
VSTD00506

Tgt Ion: 62 Resp: 28684

Ion Ratio Lower Upper

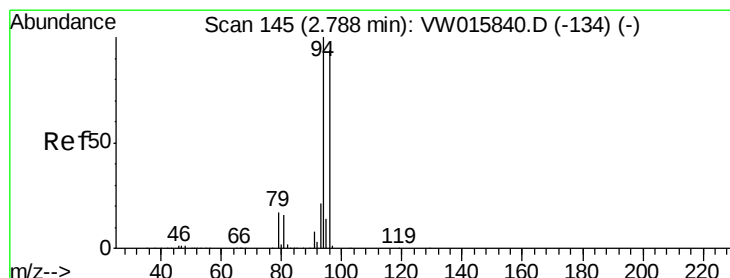
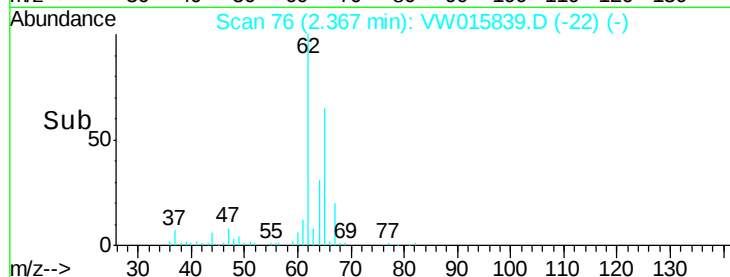
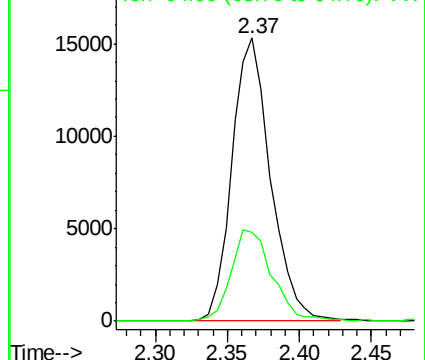
62 100

64 31.3 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: 9.669 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015839.D

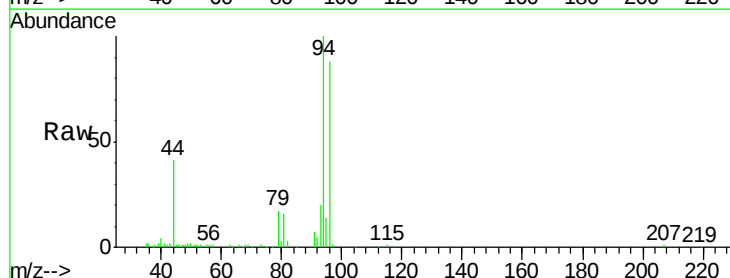
Acq: 13 Jul 2020 11:28

Tgt Ion: 94 Resp: 30027

Ion Ratio Lower Upper

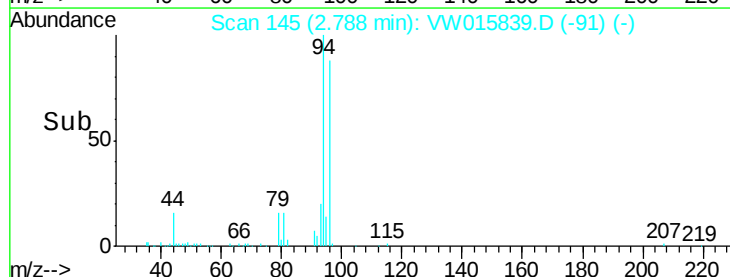
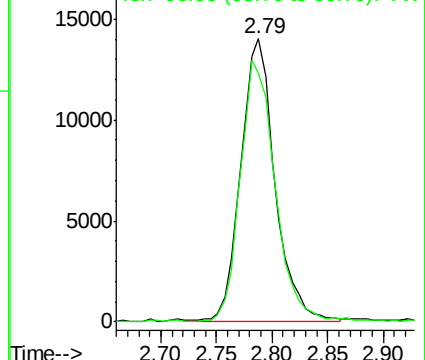
94 100

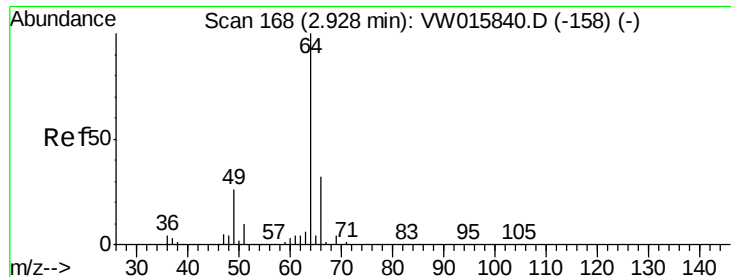
96 93.8 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 7.632 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

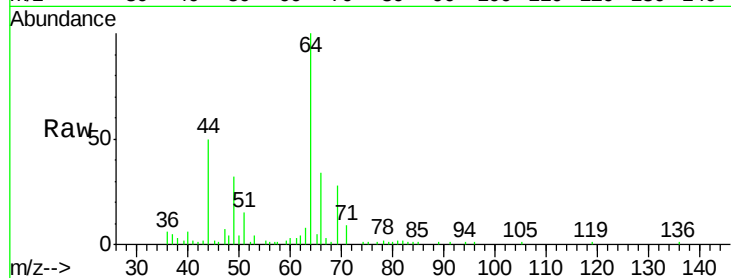
VSTD00506

Tgt Ion: 64 Resp: 21371

Ion Ratio Lower Upper

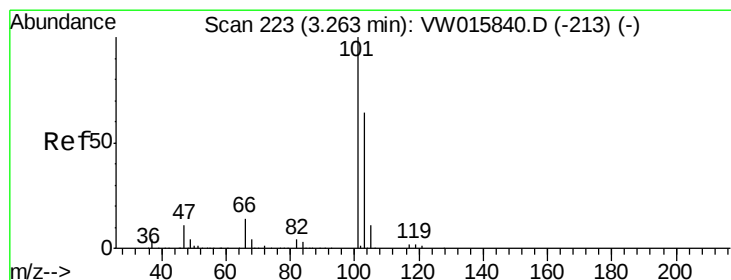
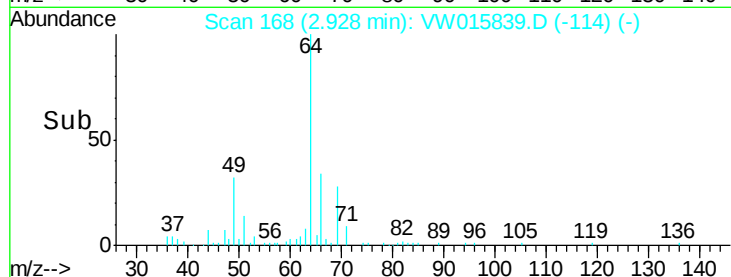
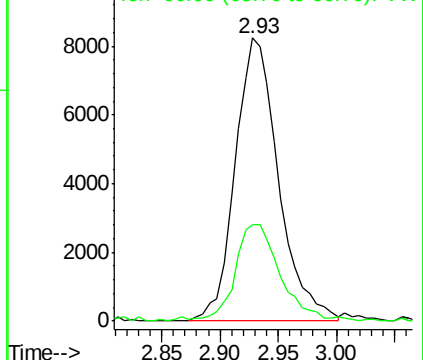
64 100

66 34.2 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 7.604 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015839.D

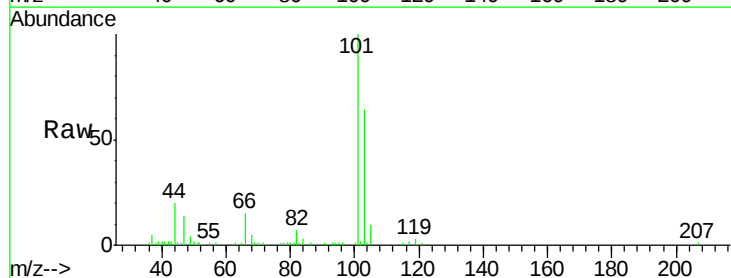
Acq: 13 Jul 2020 11:28

Tgt Ion: 101 Resp: 25919

Ion Ratio Lower Upper

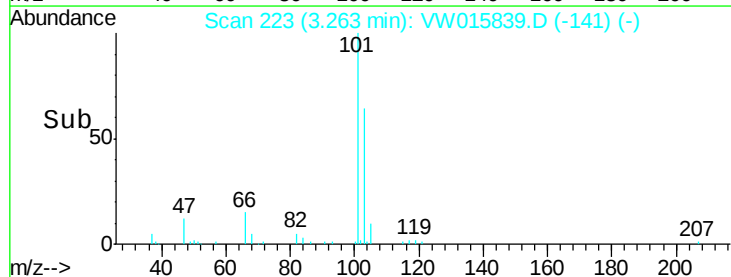
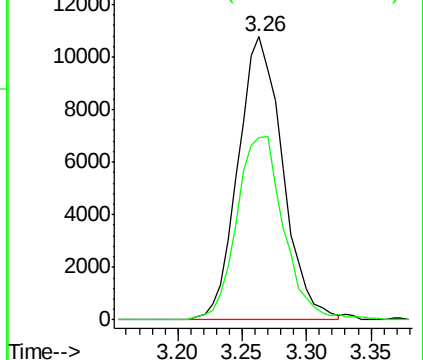
101 100

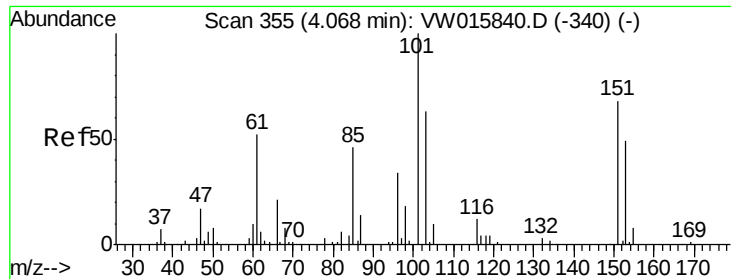
103 67.6 46.1 85.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 4.980 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

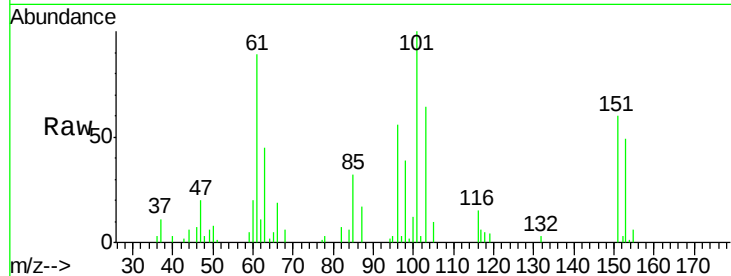
Tgt Ion: 101 Resp: 15754

Ion Ratio Lower Upper

101 100

85 11.9 38.8 58.2#

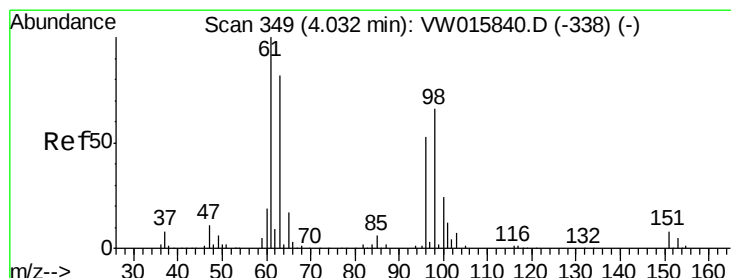
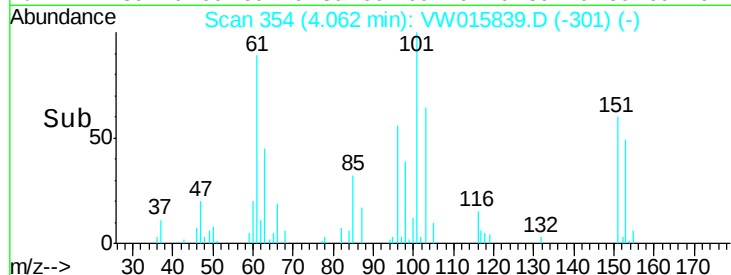
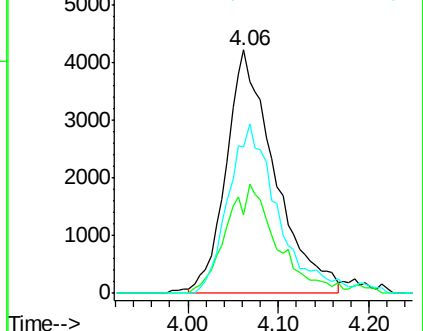
151 65.5 55.9 83.9



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: 4.646 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

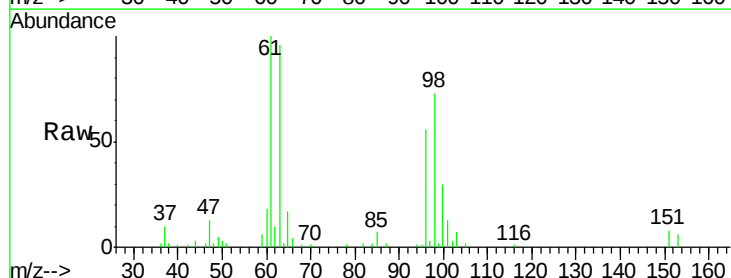
Tgt Ion: 96 Resp: 14188

Ion Ratio Lower Upper

96 100

61 179.5 131.7 244.5

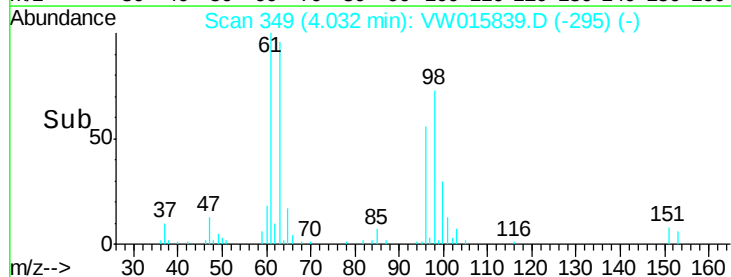
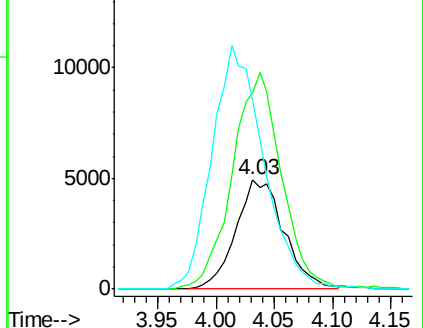
63 172.8 110.4 205.0

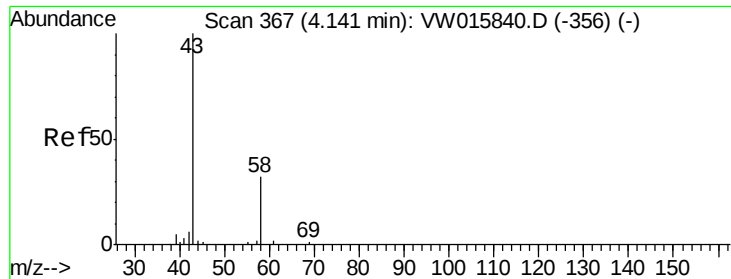


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

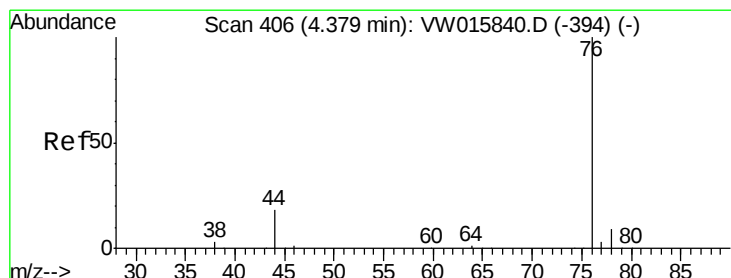
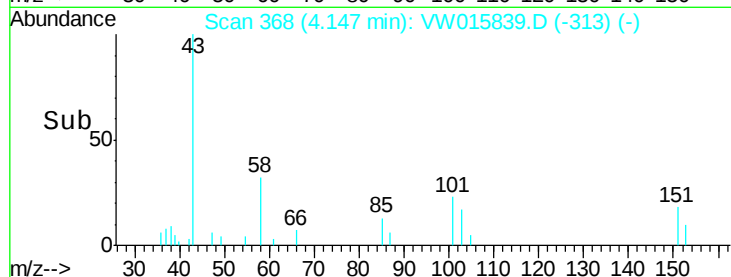
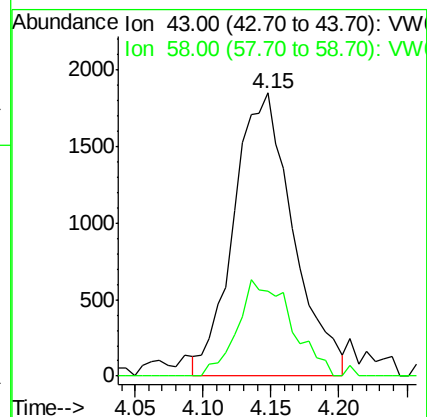
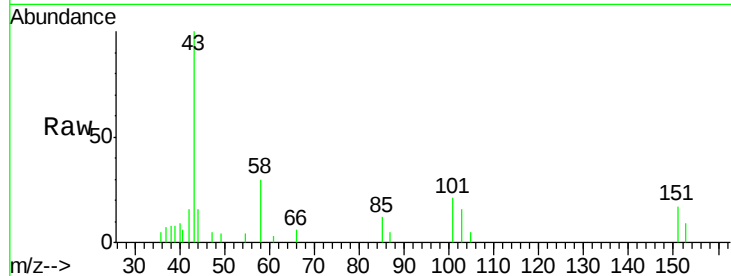




#13
Acetone
Concen: 7.858 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

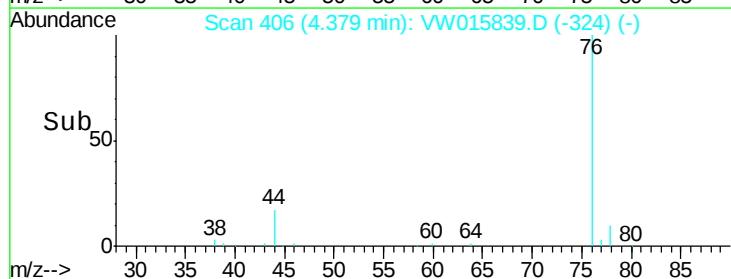
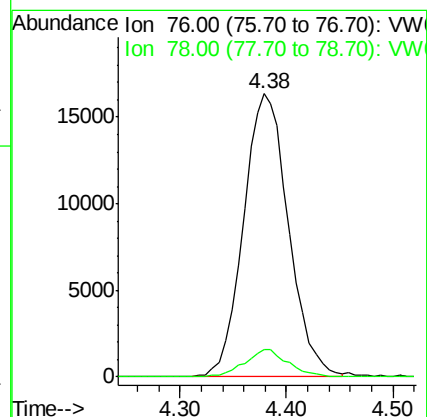
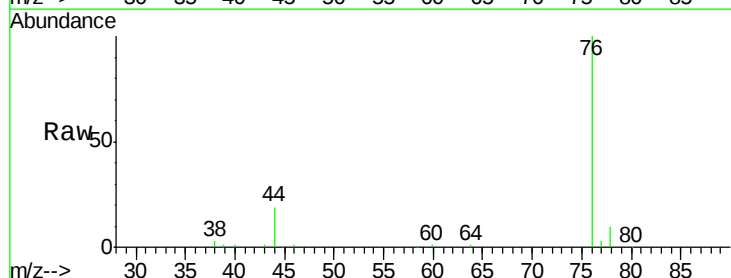
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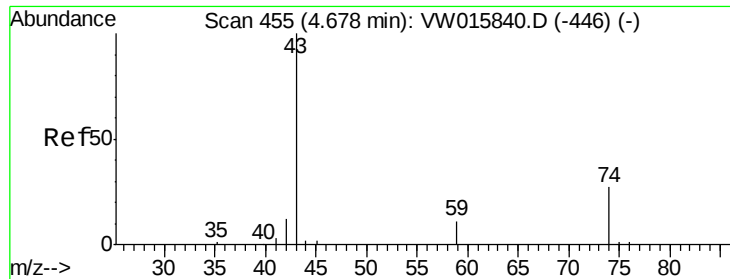
Tgt Ion: 43 Resp: 5623
Ion Ratio Lower Upper
43 100
58 21.1 0.0 59.4



#14
Carbon disulfide
Concen: 5.002 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion: 76 Resp: 48267
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2

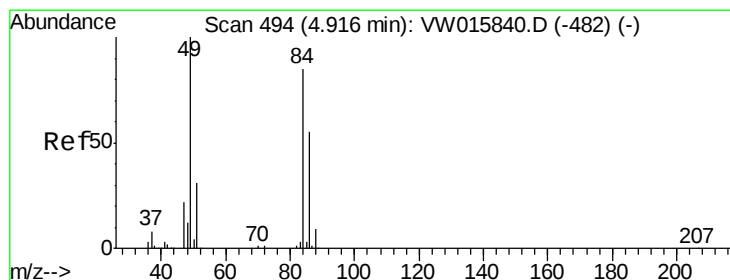
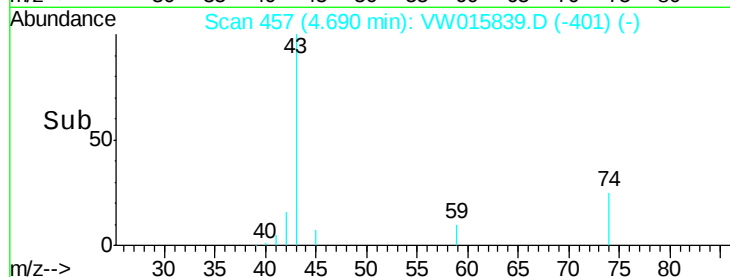
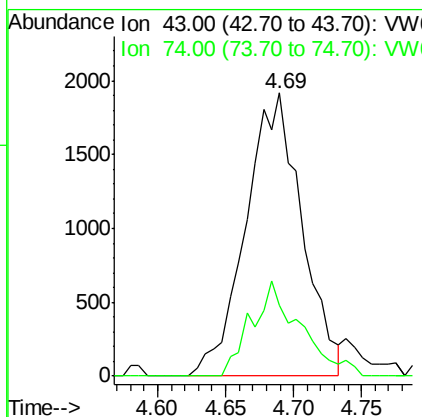
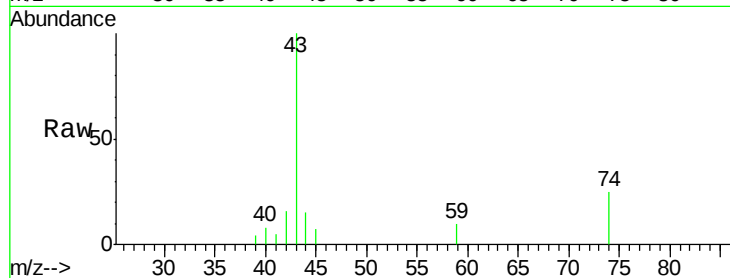




#15
Methyl Acetate
Concen: 4.204 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

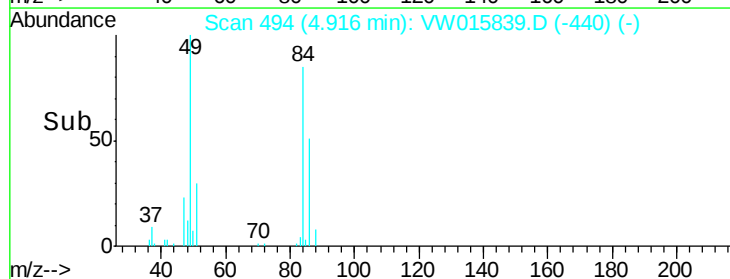
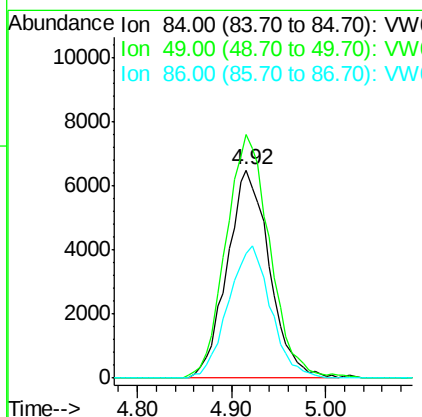
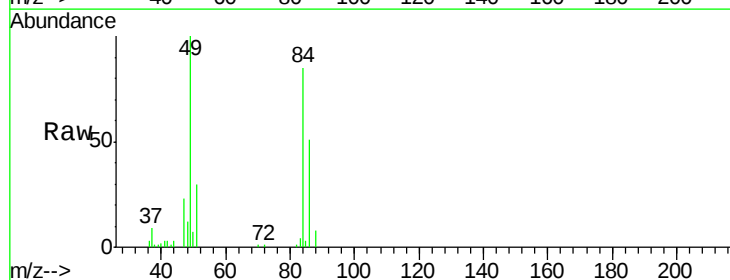
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

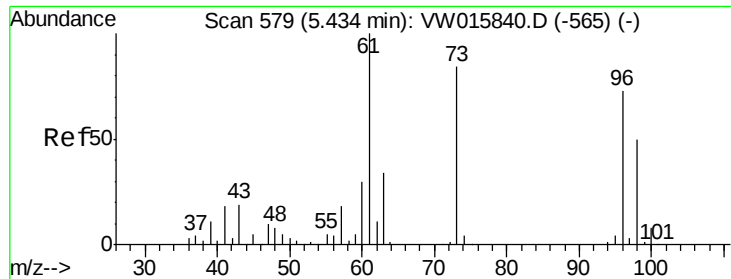
Tgt Ion: 43 Resp: 5534
Ion Ratio Lower Upper
43 100
74 6.0 21.4 32.0#



#16
Methylene chloride
Concen: 5.193 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion: 84 Resp: 20379
Ion Ratio Lower Upper
84 100
49 117.1 82.5 153.1
86 60.0 45.4 84.2

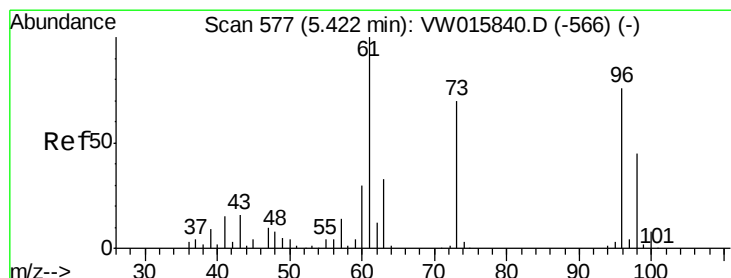
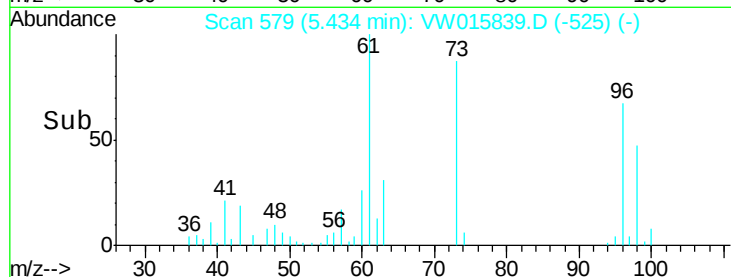
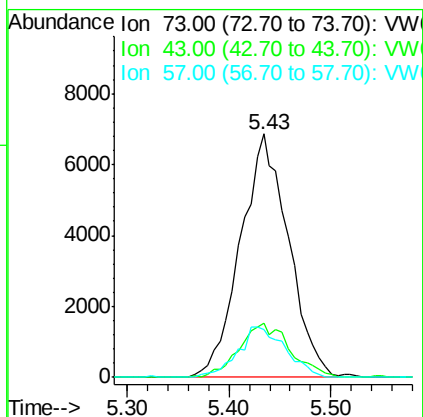
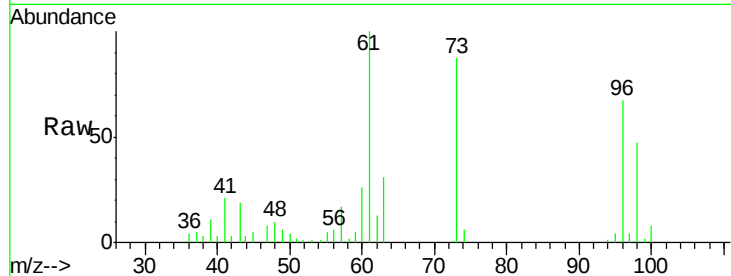




#17
Methyl tert-butyl Ether
Concen: 4.780 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

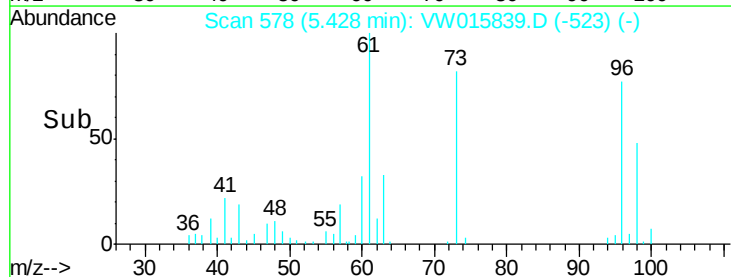
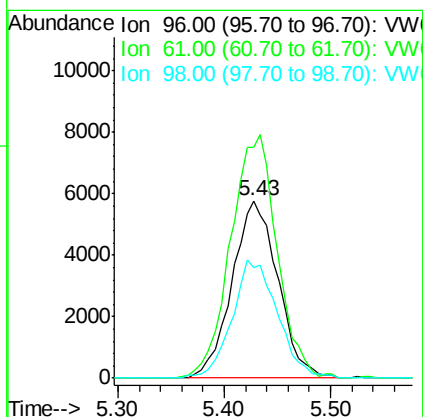
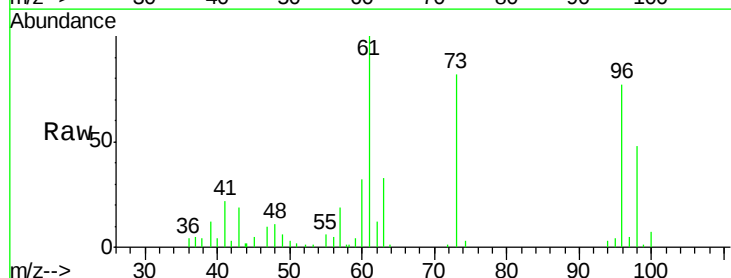
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

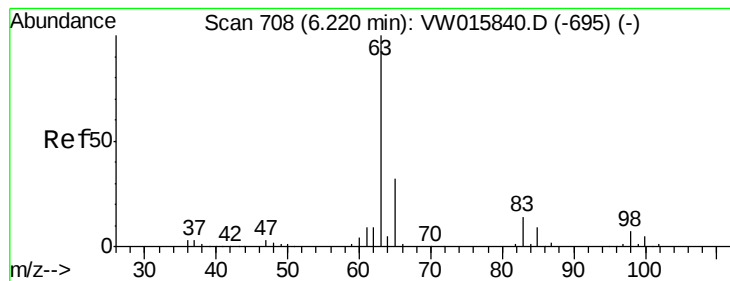
Tgt Ion: 73 Resp: 22440
Ion Ratio Lower Upper
73 100
43 14.2 17.8 26.8#
57 20.6 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.107 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion: 96 Resp: 17349
Ion Ratio Lower Upper
96 100
61 130.3 92.5 171.7
98 62.3 41.1 76.3





#19

1,1-Dichloroethane

Concen: 5.264 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

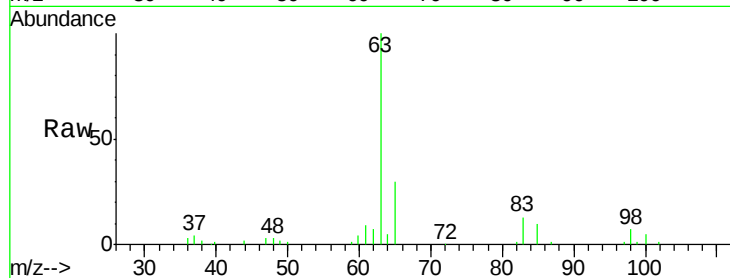
Tgt Ion: 63 Resp: 31983

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

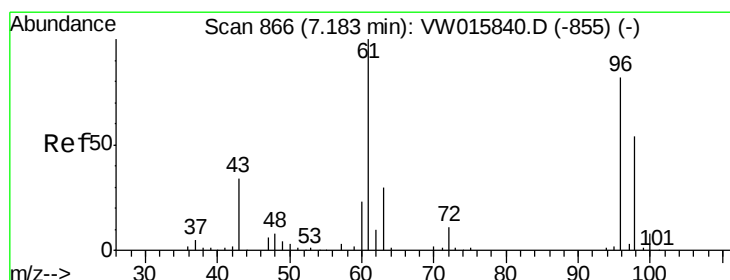
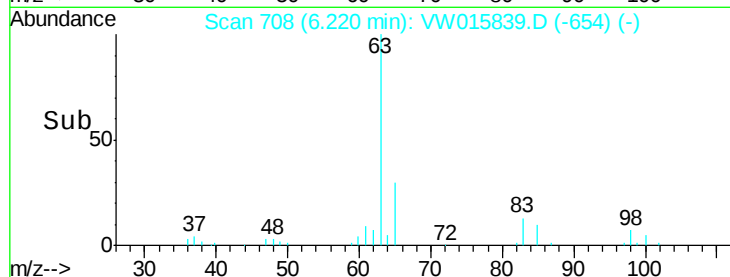
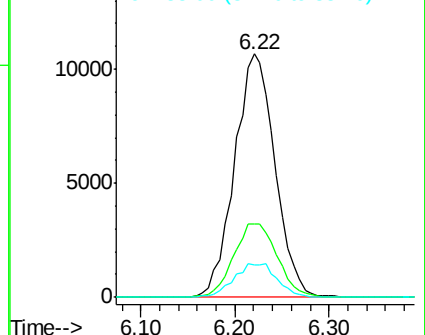
83 13.1 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 7.913 ug/L

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW015839.D

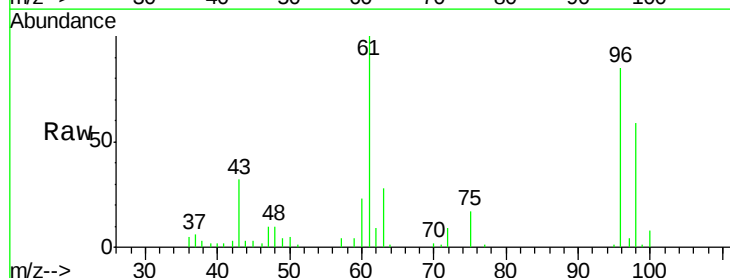
Acq: 13 Jul 2020 11:28

Tgt Ion: 43 Resp: 7191

Ion Ratio Lower Upper

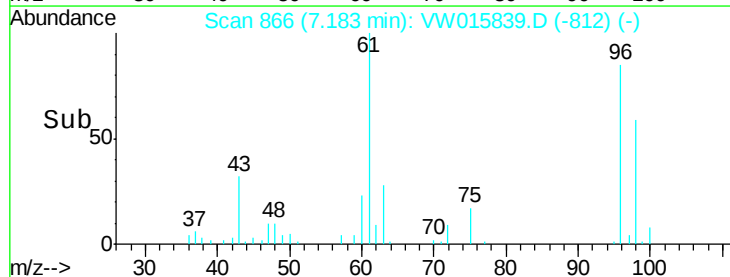
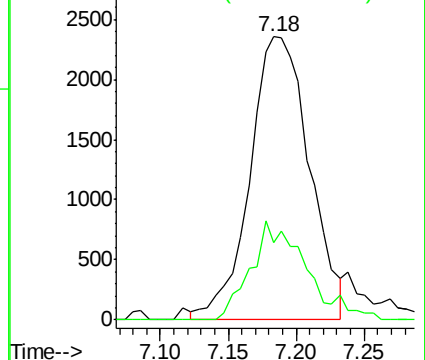
43 100

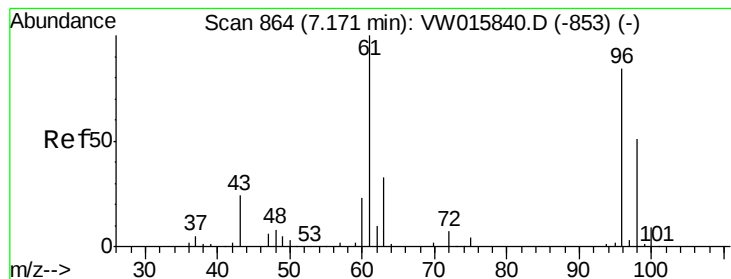
72 29.9 15.6 46.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



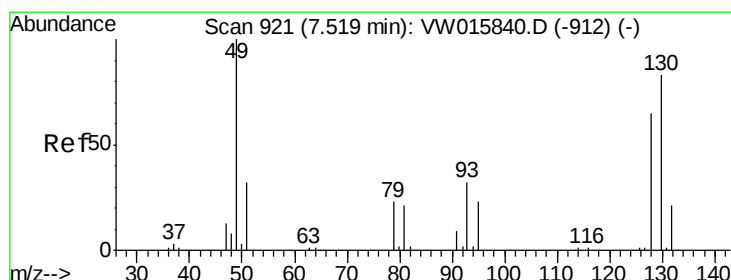
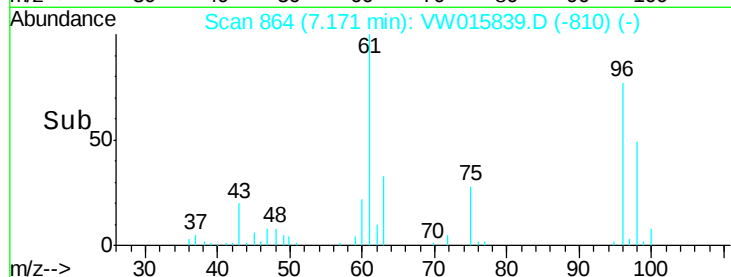
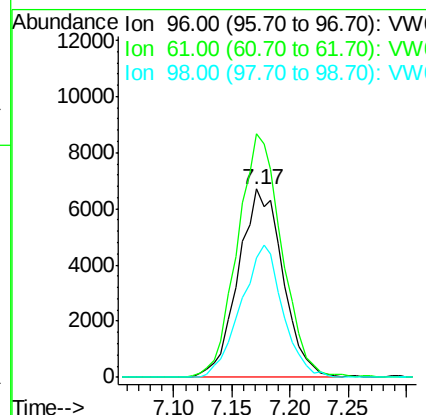
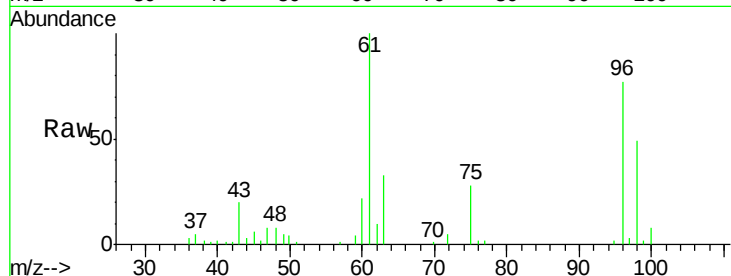


#22

cis-1,2-Dichloroethene
 Concen: 5.114 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

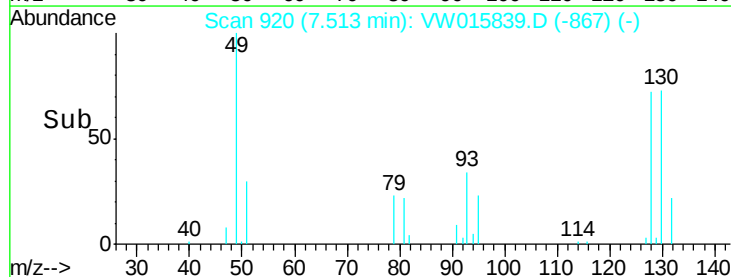
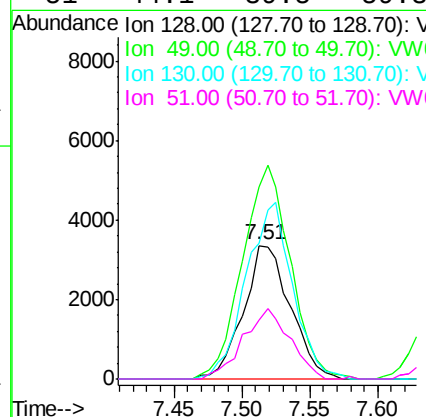
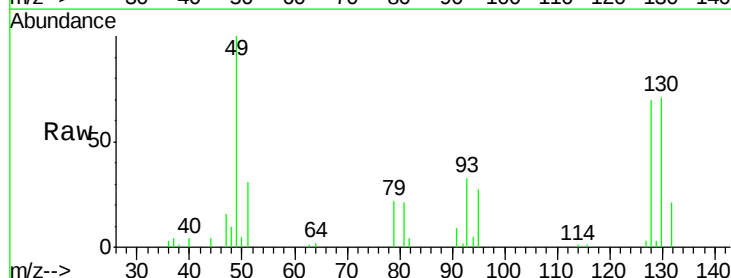
Tgt Ion: 96 Resp: 17889
 Ion Ratio Lower Upper
 96 100
 61 129.1 83.7 155.5
 98 63.1 43.0 80.0

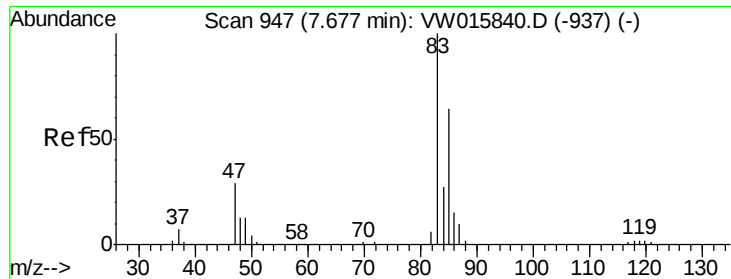


#23

Bromochloromethane
 Concen: 5.258 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion: 128 Resp: 8122
 Ion Ratio Lower Upper
 128 100
 49 143.5 108.8 202.2
 130 101.8 89.8 166.8
 51 44.1 39.5 59.3

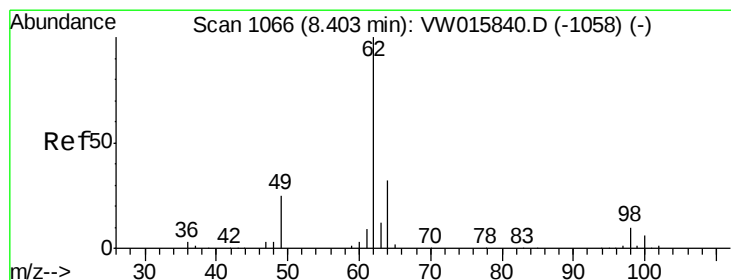
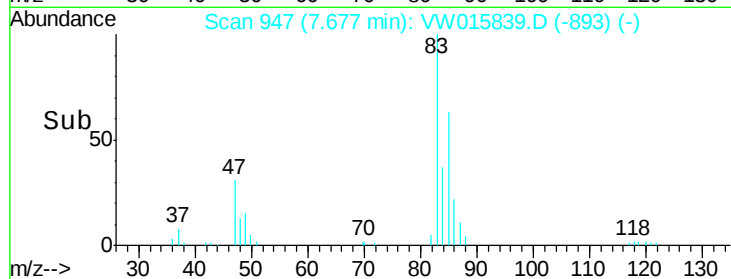
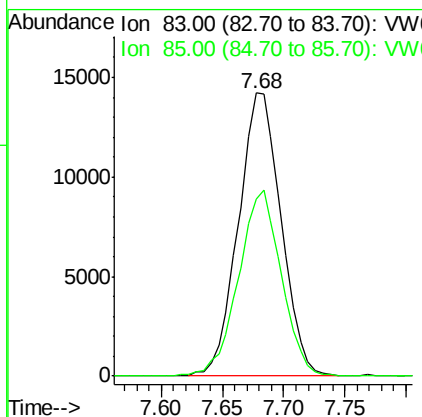
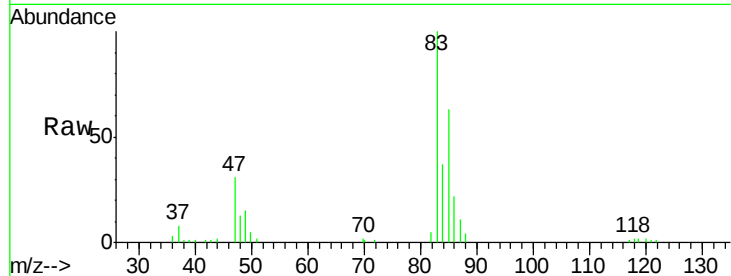




#25
Chloroform
Concen: 5.560 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

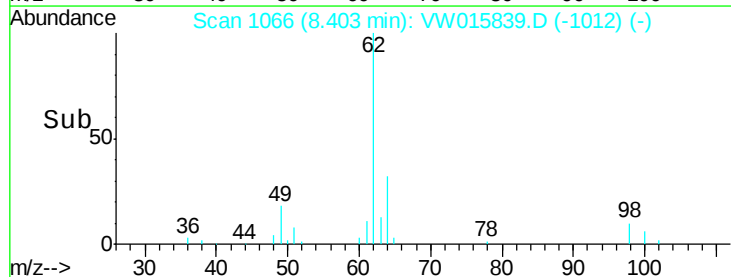
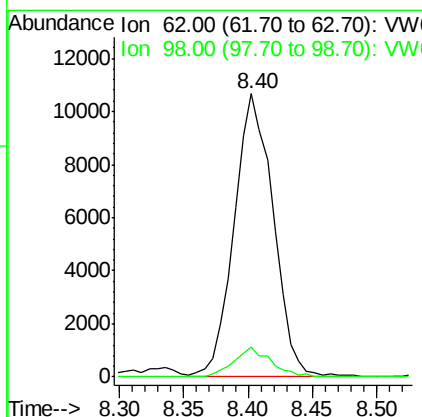
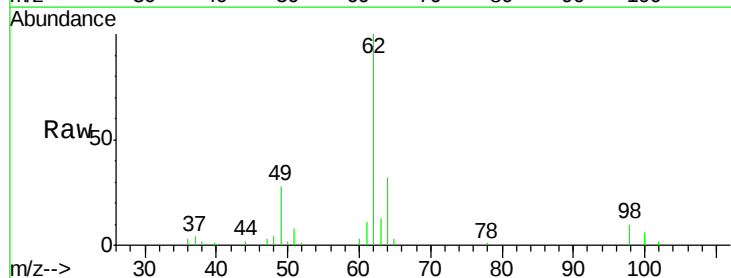
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

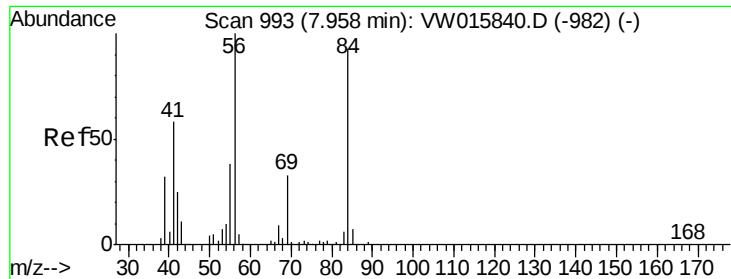
Tgt Ion: 83 Resp: 34559
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.260 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion: 62 Resp: 22475
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5

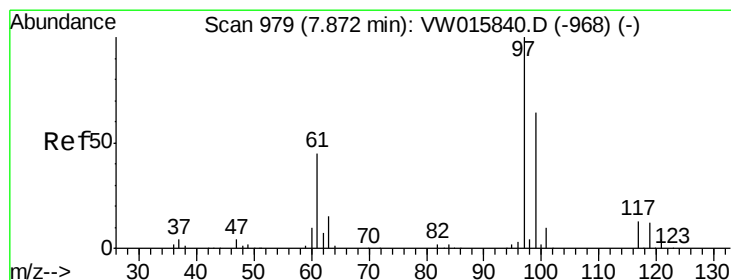
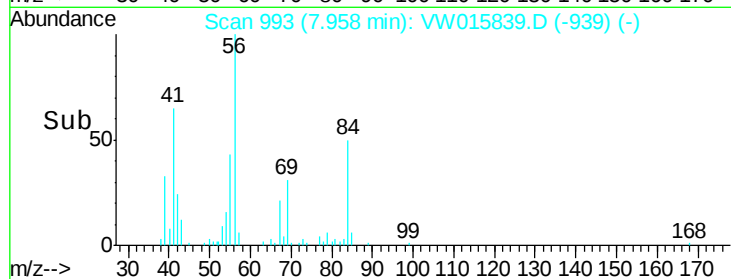
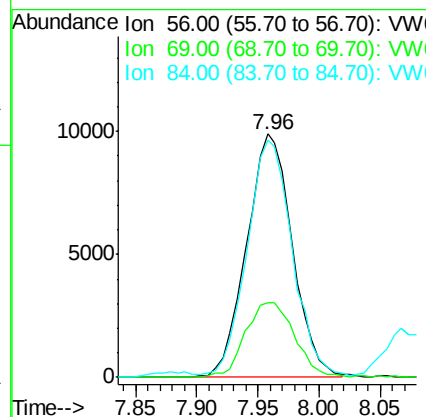
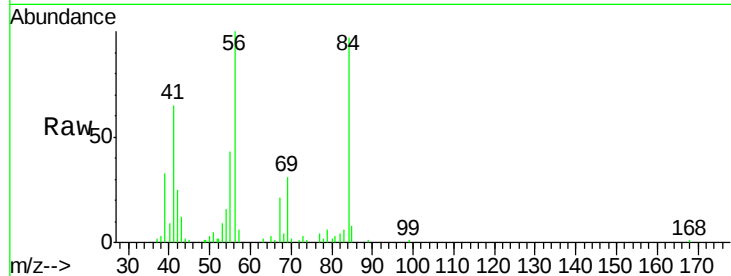




#30
Cyclohexane
Concen: 4.565 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

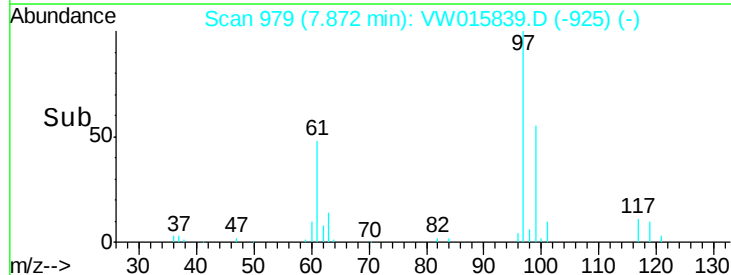
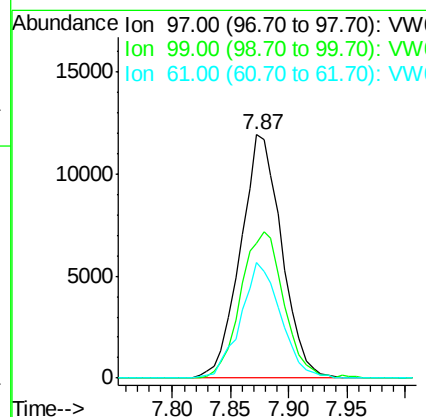
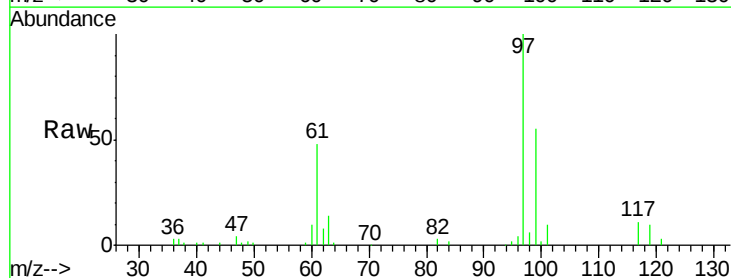
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

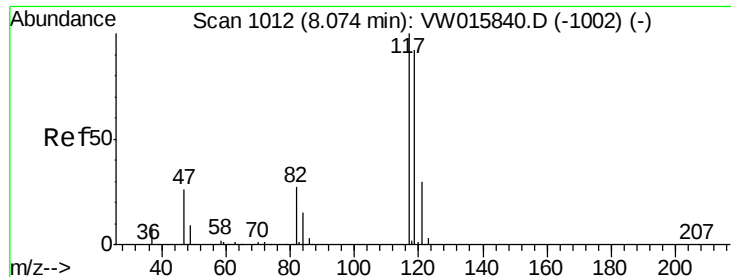
Tgt Ion: 56 Resp: 25777
Ion Ratio Lower Upper
56 100
69 33.2 25.8 38.8
84 97.0 78.3 117.5



#31
1,1,1-Trichloroethane
Concen: 5.301 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion: 97 Resp: 29405
Ion Ratio Lower Upper
97 100
99 62.5 50.9 76.3
61 46.2 36.2 54.2





#32

Carbon tetrachloride

Concen: 5.227 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

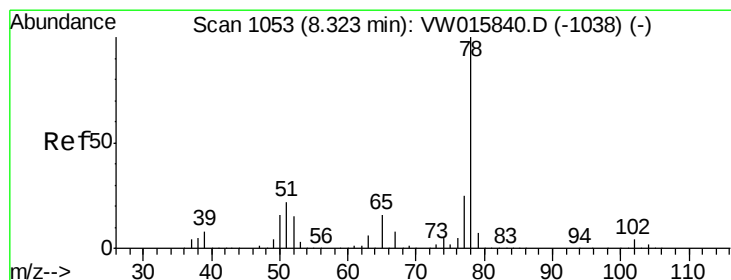
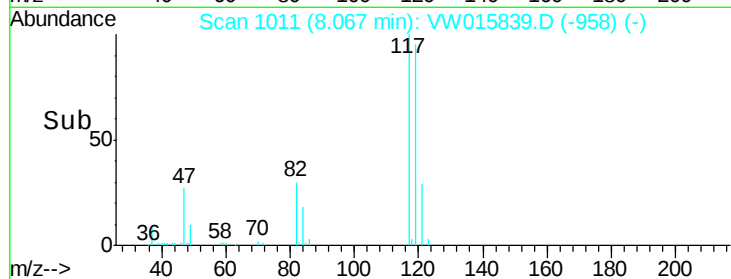
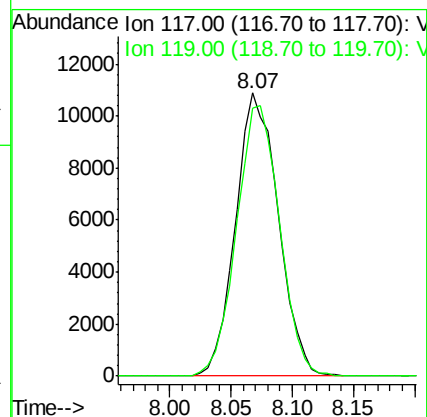
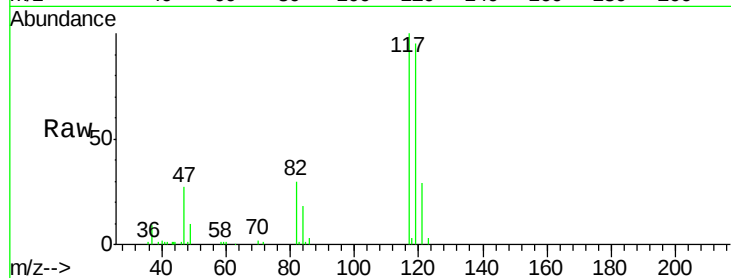
VSTD00506

Tgt Ion:117 Resp: 26440

Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.4



#34

Benzene

Concen: 5.183 ug/L

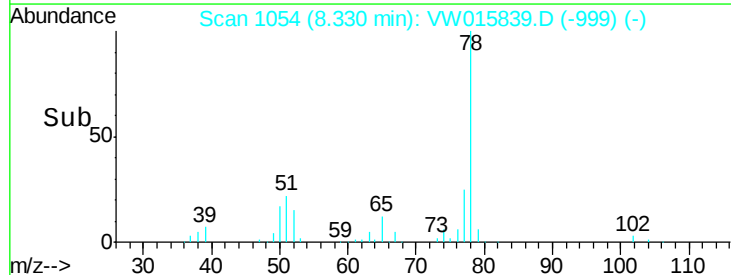
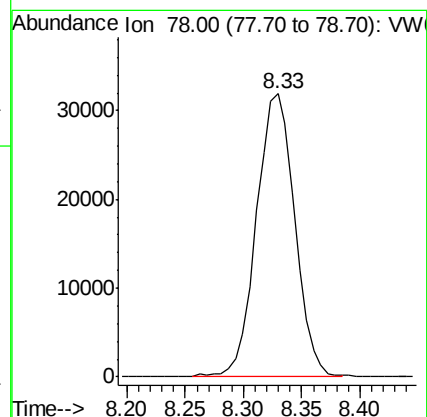
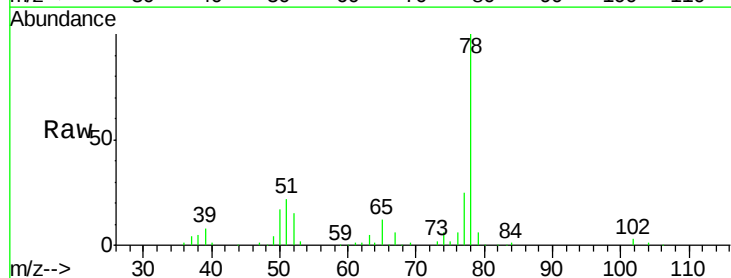
RT: 8.33 min Scan# 1054

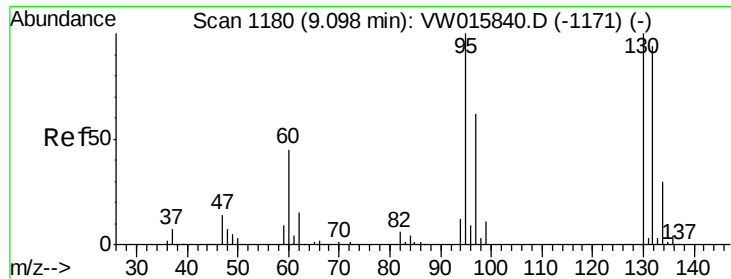
Delta R.T. 0.01 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Tgt Ion: 78 Resp: 72902

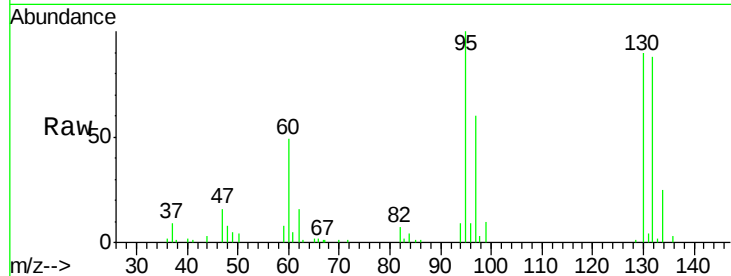




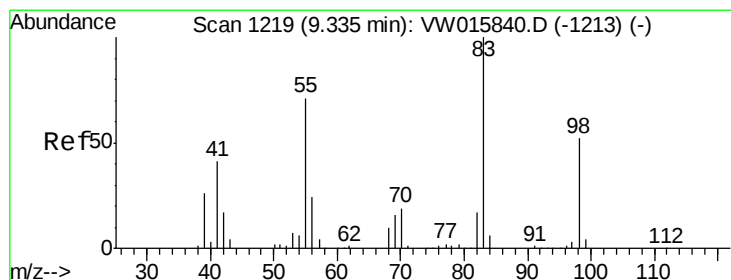
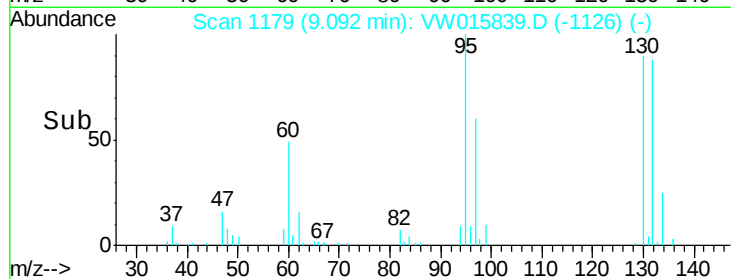
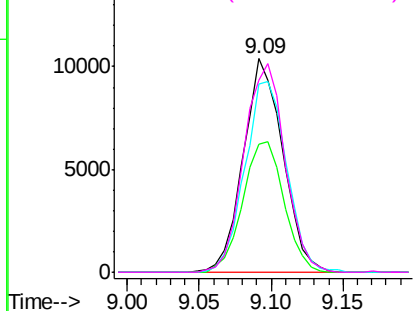
#35
 Trichloroethene
 Concen: 5.235 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

Tgt Ion:	95	Resp:	19758
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.6	82.8
132	94.5	67.0	124.4
130	101.0	70.1	130.1

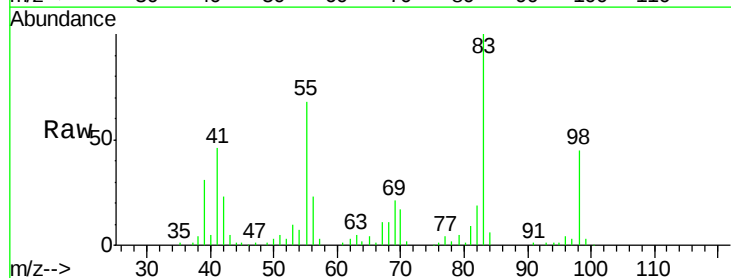


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

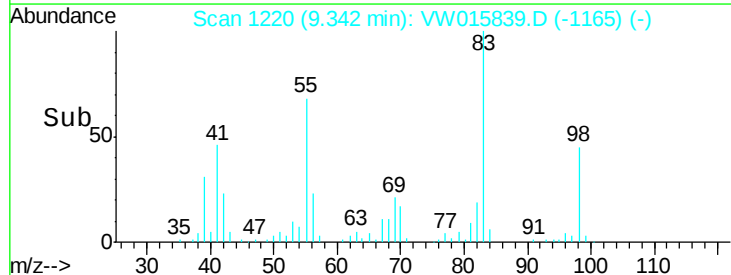
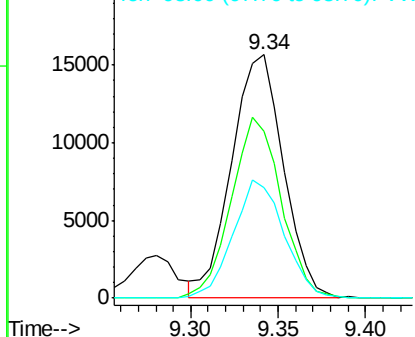


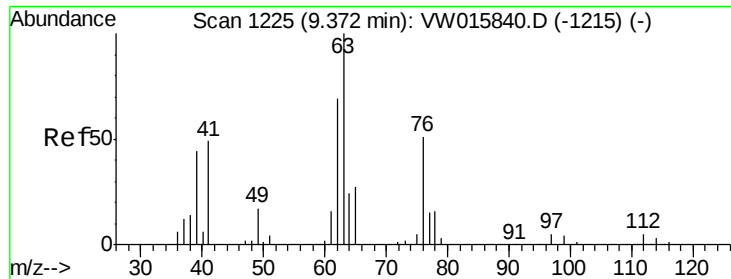
#36
 Methylcyclohexane
 Concen: 4.959 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion:	83	Resp:	32350
Ion	Ratio	Lower	Upper
83	100		
55	71.3	55.5	83.3
98	47.4	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

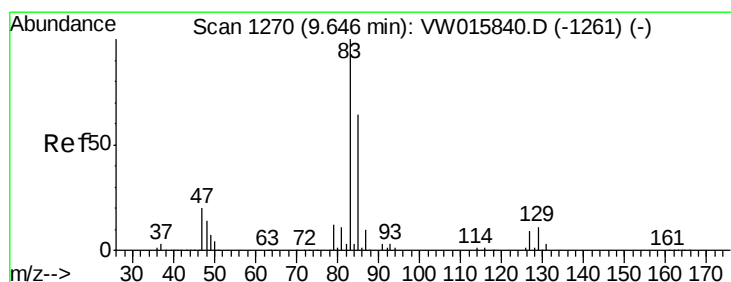
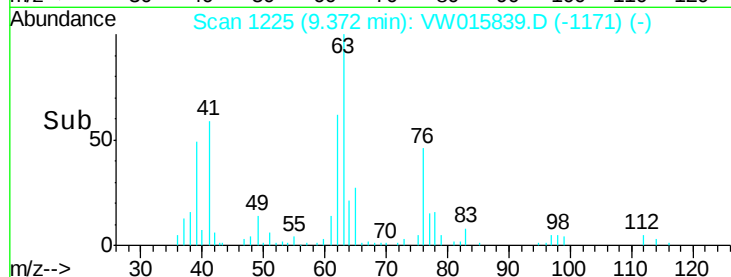
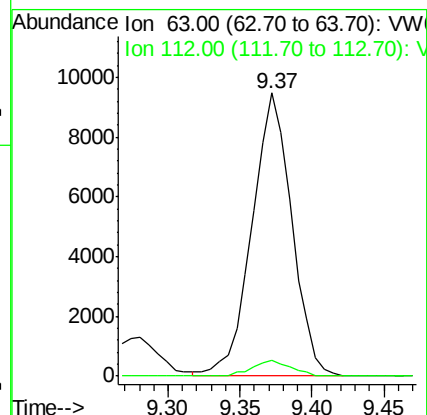
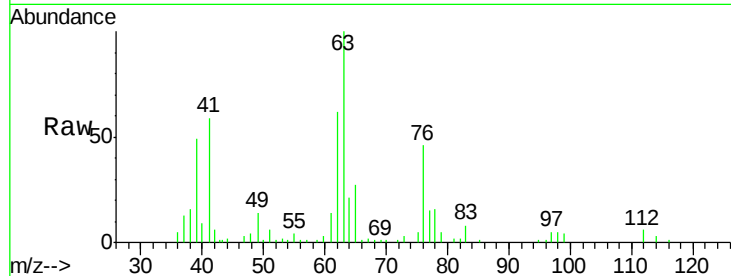




#40
 1,2-Dichloropropane
 Concen: 5.305 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

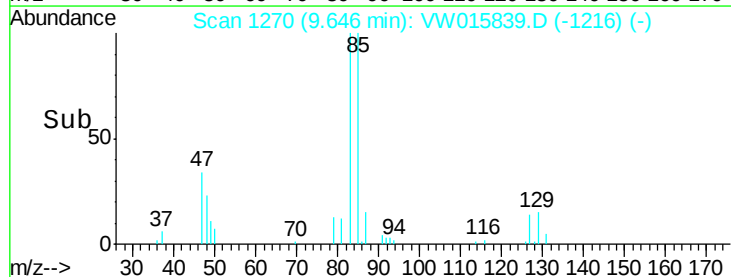
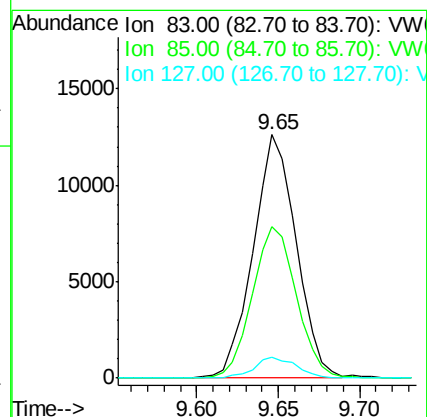
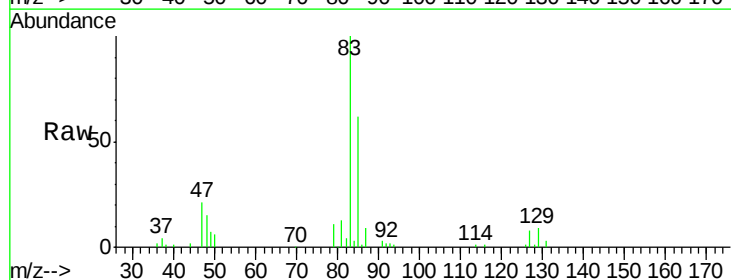
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

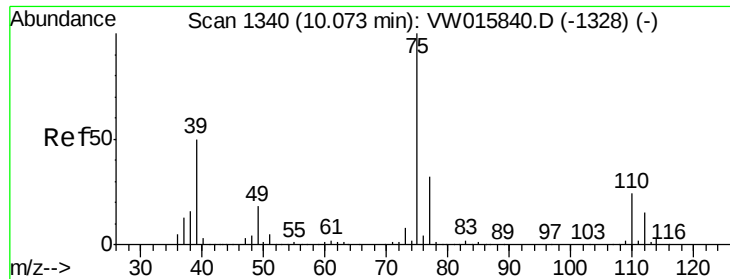
Tgt Ion: 63 Resp: 18144
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.9 5.9



#41
 Bromodichloromethane
 Concen: 5.175 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion: 83 Resp: 23119
 Ion Ratio Lower Upper
 83 100
 85 62.2 44.6 82.8
 127 8.5 6.8 10.2

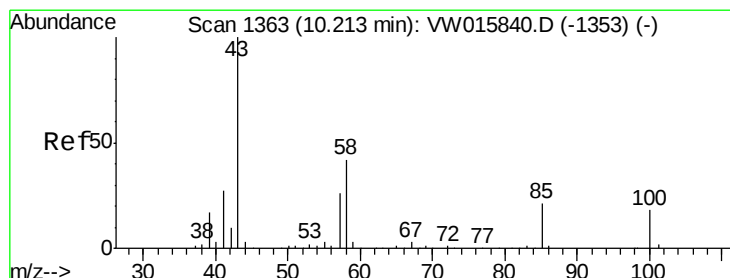
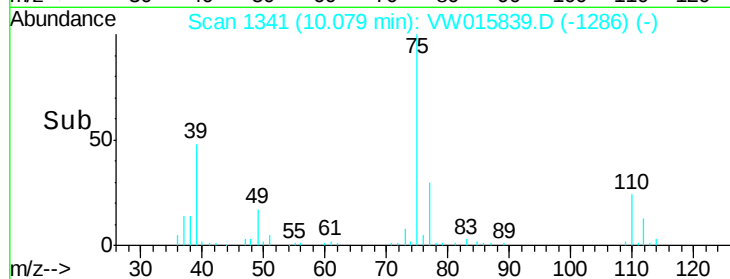
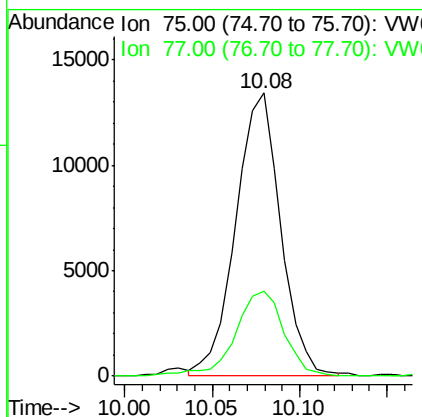
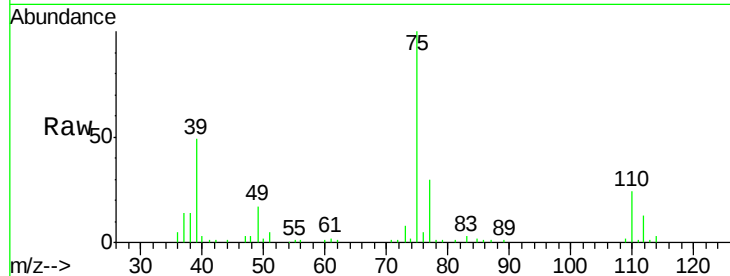




#42
 cis-1,3-Dichloropropene
 Concen: 4.513 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

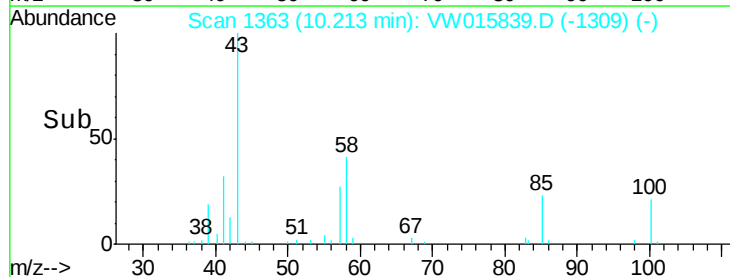
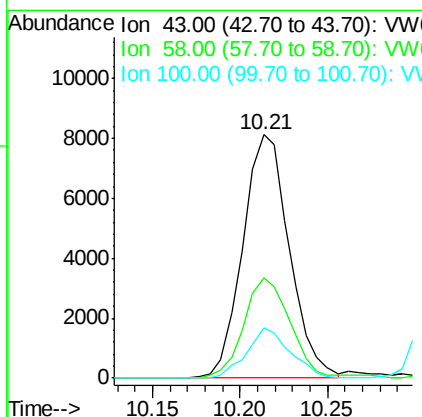
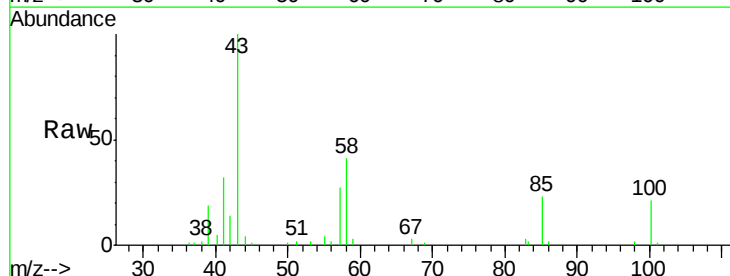
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00506

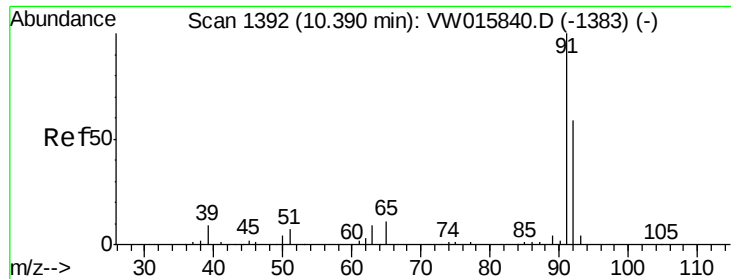
Tgt Ion: 75 Resp: 23986
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 7.903 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion: 43 Resp: 15032
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.0 49.4
 100 19.3 15.0 22.6





#44

Toluene

Concen: 5.157 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampled :

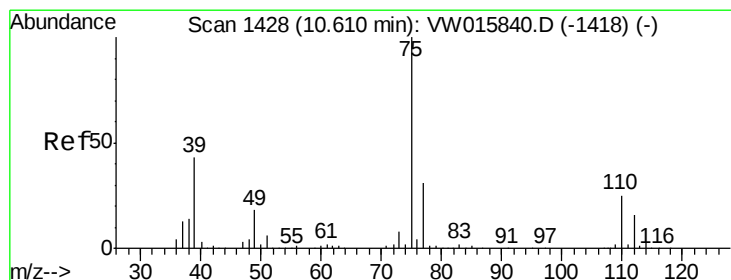
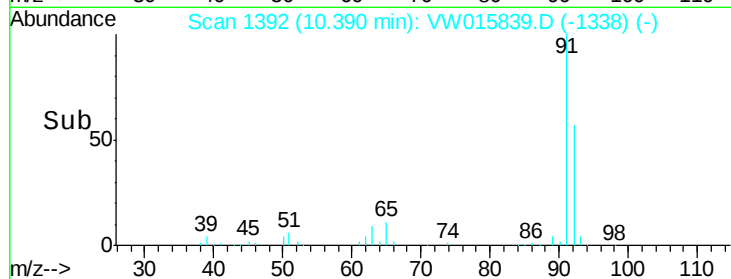
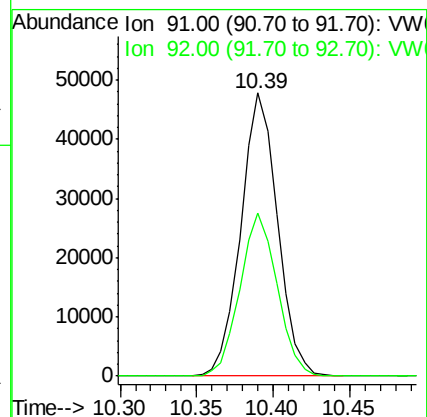
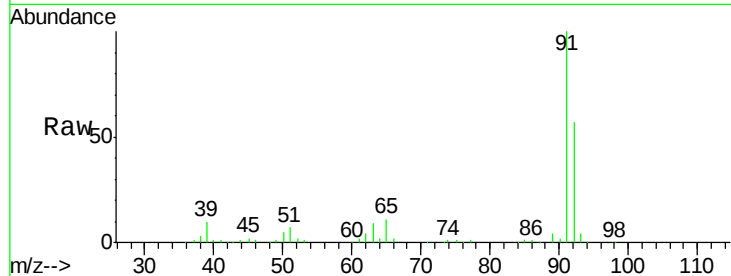
VSTD00506

Tgt Ion: 91 Resp: 79640

Ion Ratio Lower Upper

91 100

92 57.5 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 4.558 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015839.D

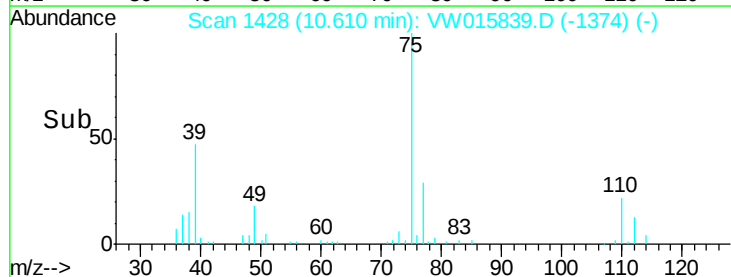
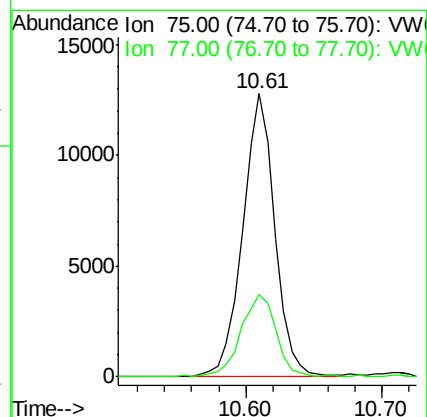
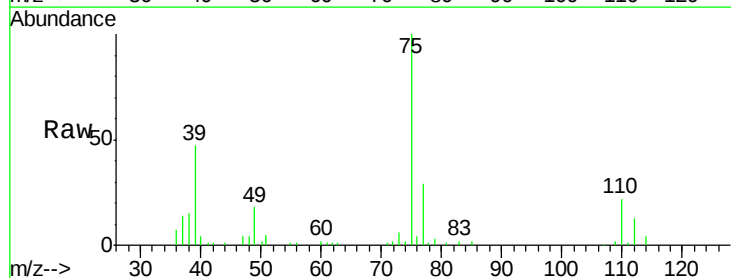
Acq: 13 Jul 2020 11:28

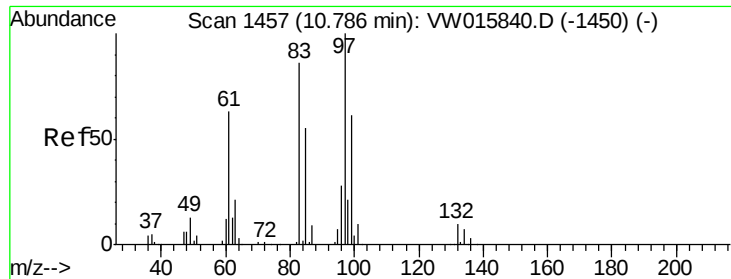
Tgt Ion: 75 Resp: 21105

Ion Ratio Lower Upper

75 100

77 29.0 22.0 41.0

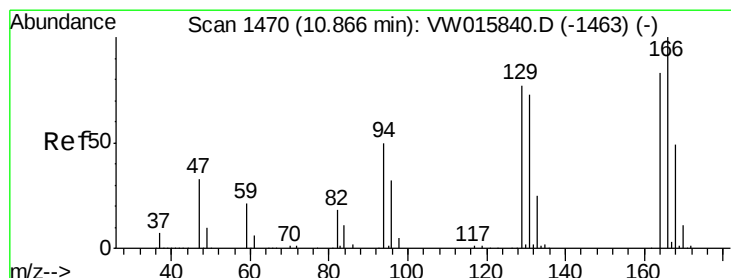
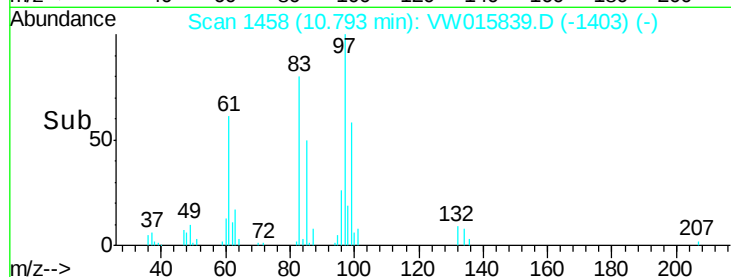
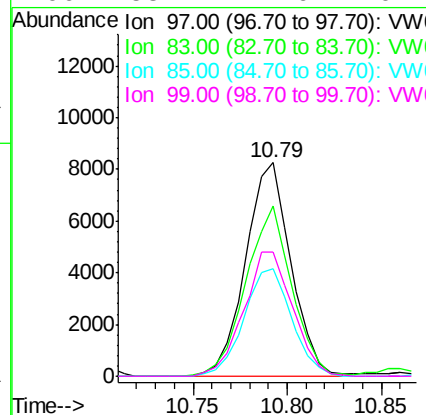
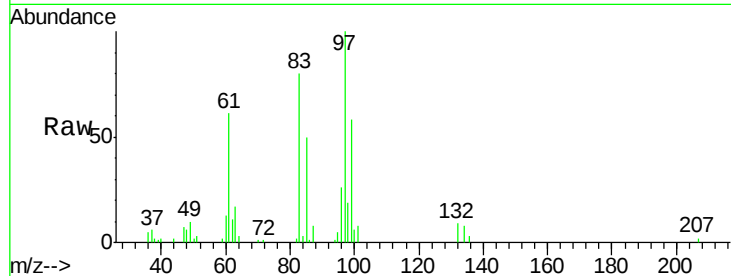




#46
 1,1,2-Trichloroethane
 Concen: 5.550 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

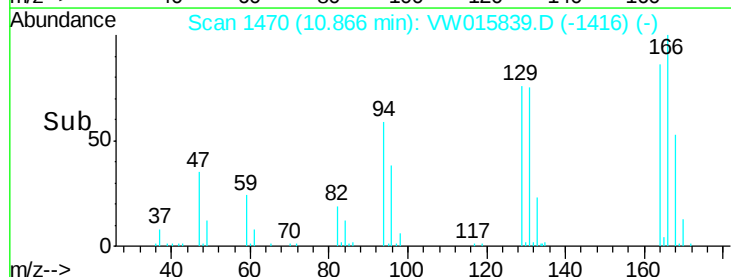
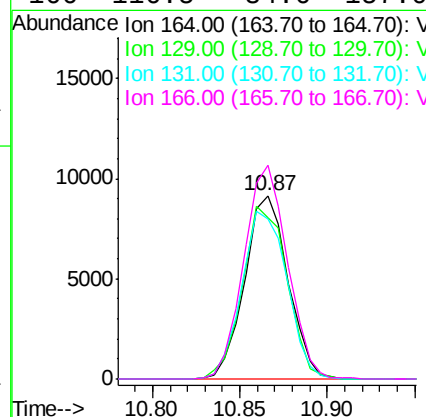
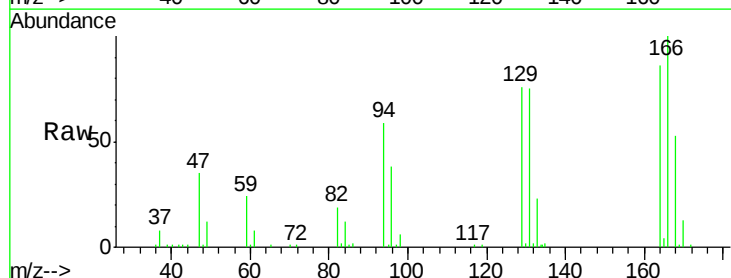
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

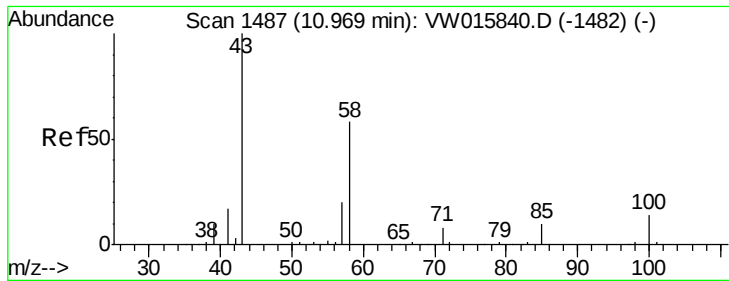
Tgt Ion:	97	Resp:	13803
Ion	Ratio	Lower	Upper
97	100		
83	79.6	60.3	112.1
85	50.4	38.6	71.6
99	58.2	42.6	79.2



#47
 Tetrachloroethene
 Concen: 5.170 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion:	164	Resp:	15775
Ion	Ratio	Lower	Upper
164	100		
129	88.3	65.1	120.9
131	87.0	62.0	115.2
166	116.5	84.6	157.0





#49

2-Hexanone

Concen: 8.194 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

Tgt Ion: 43 Resp: 10911

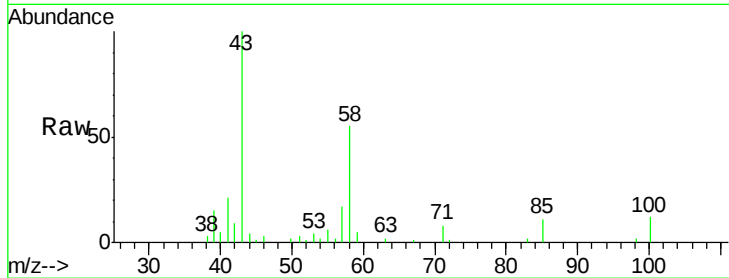
Ion Ratio Lower Upper

43 100

58 51.6 45.8 68.8

57 20.1 16.9 25.3

100 12.3 12.2 18.4

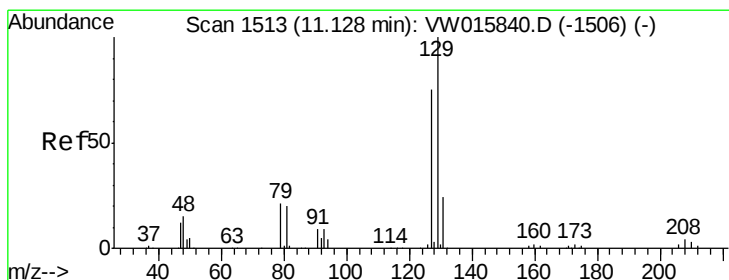
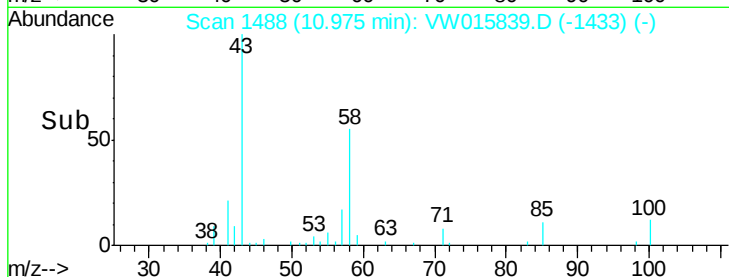
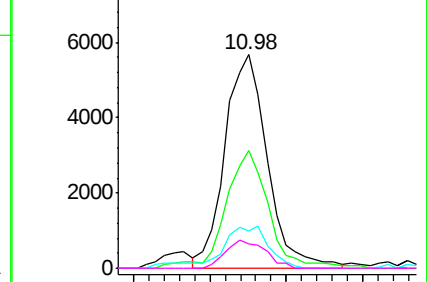


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 4.857 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015839.D

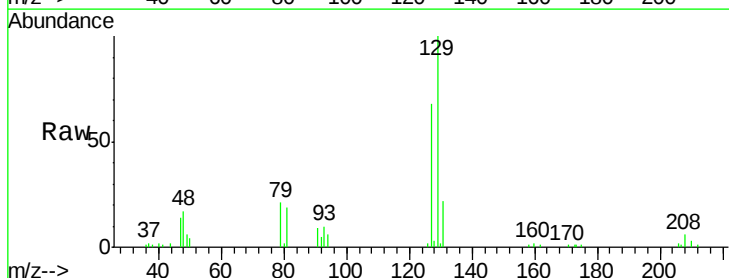
Acq: 13 Jul 2020 11:28

Tgt Ion: 129 Resp: 14344

Ion Ratio Lower Upper

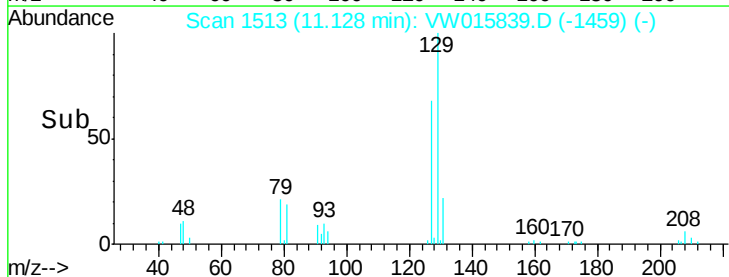
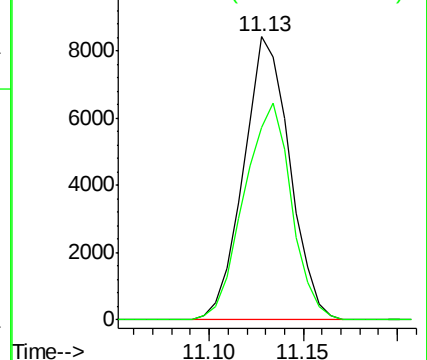
129 100

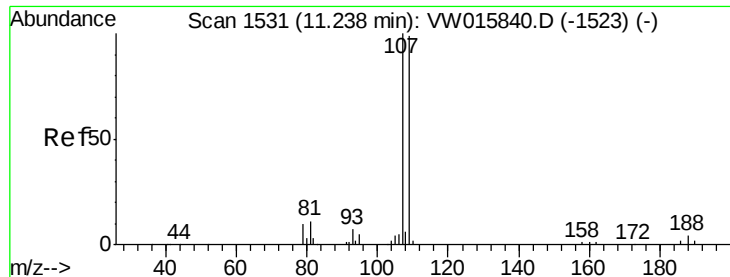
127 68.1 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

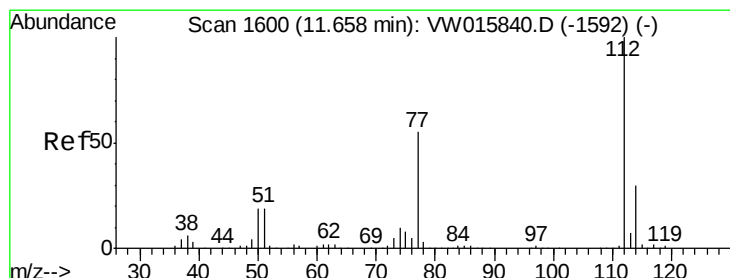
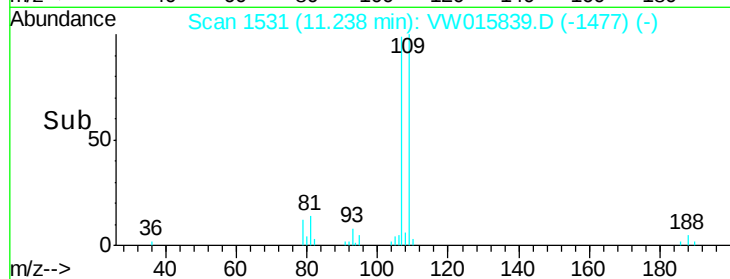
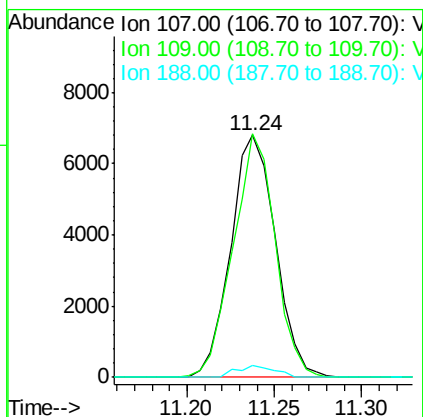
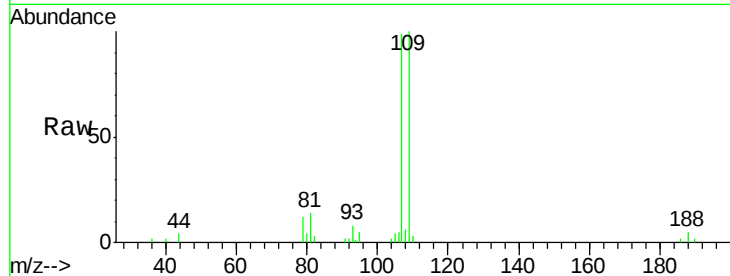




#51
1,2-Dibromoethane
Concen: 5.024 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

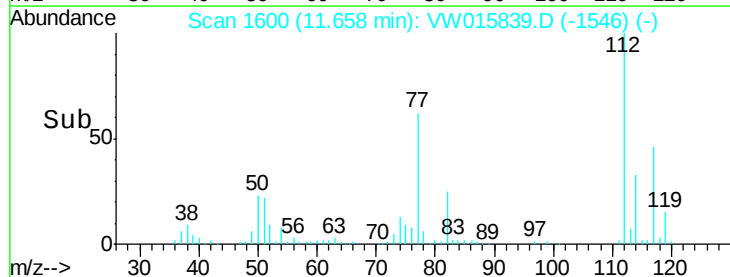
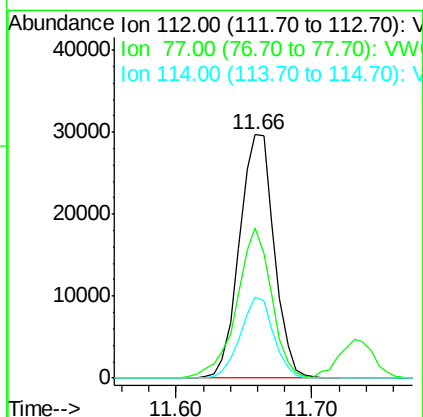
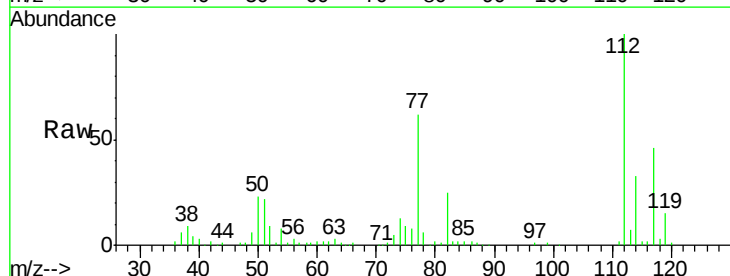
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

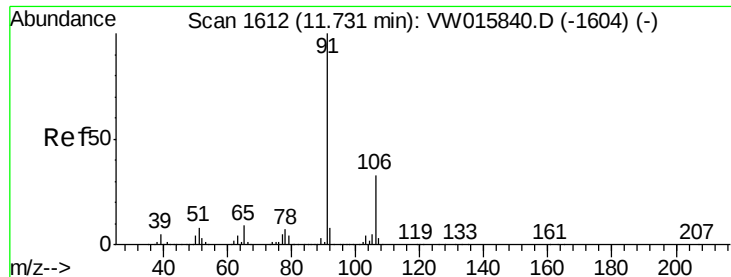
Tgt Ion:107 Resp: 12167
Ion Ratio Lower Upper
107 100
109 100.7 69.3 128.7
188 4.7 3.3 4.9



#52
Chlorobenzene
Concen: 5.407 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion:112 Resp: 52940
Ion Ratio Lower Upper
112 100
77 61.6 43.9 65.9
114 33.0 20.9 38.9





#53

Ethylbenzene

Concen: 5.084 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

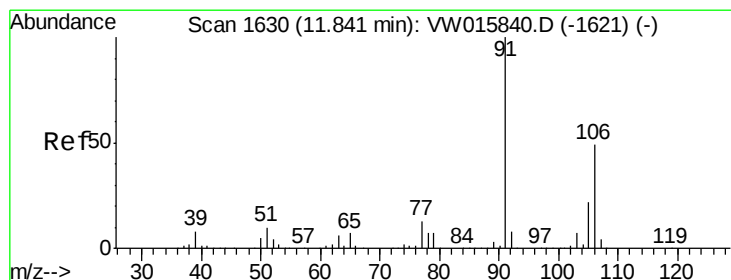
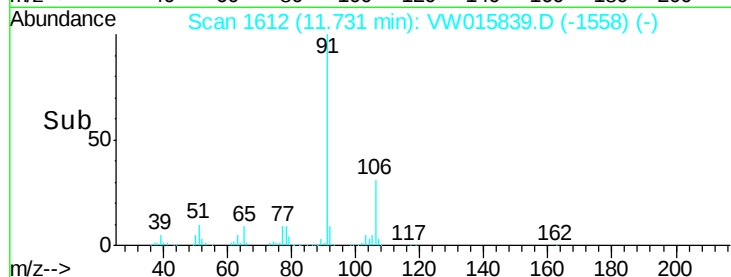
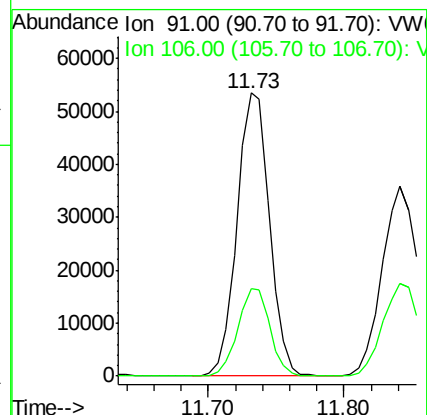
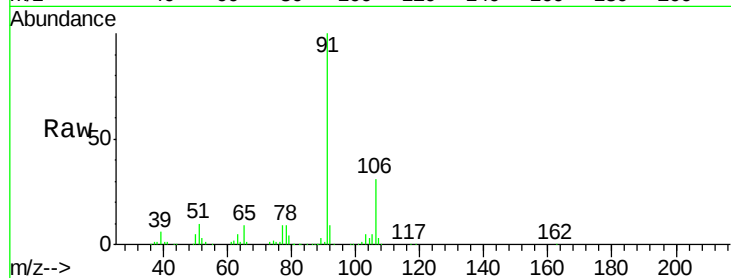
VSTD00506

Tgt Ion: 91 Resp: 88703

Ion Ratio Lower Upper

91 100

106 31.1 22.7 42.3



#54

m,p-Xylene

Concen: 4.974 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015839.D

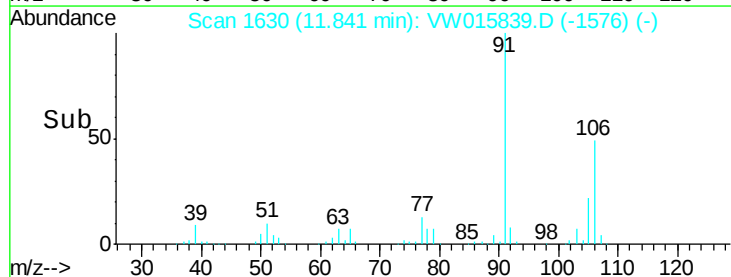
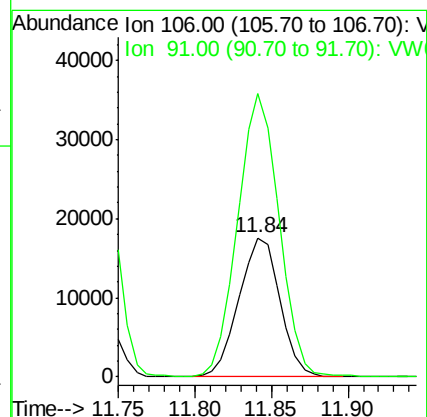
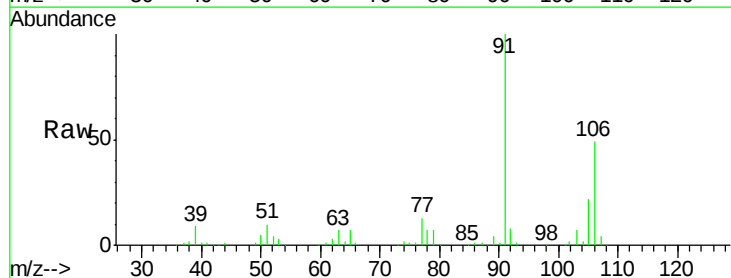
Acq: 13 Jul 2020 11:28

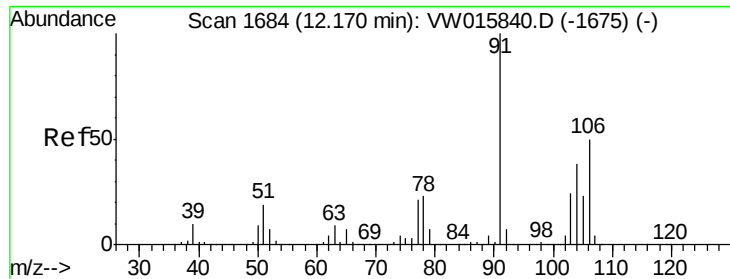
Tgt Ion: 106 Resp: 32767

Ion Ratio Lower Upper

106 100

91 203.8 143.9 267.3

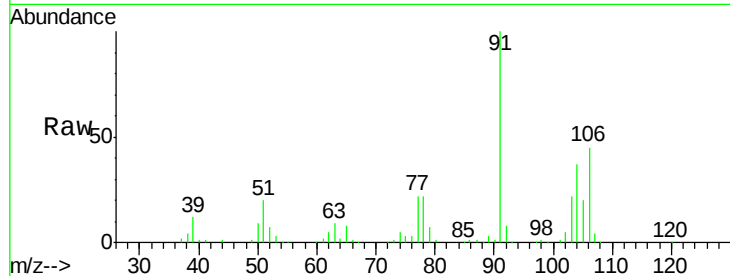




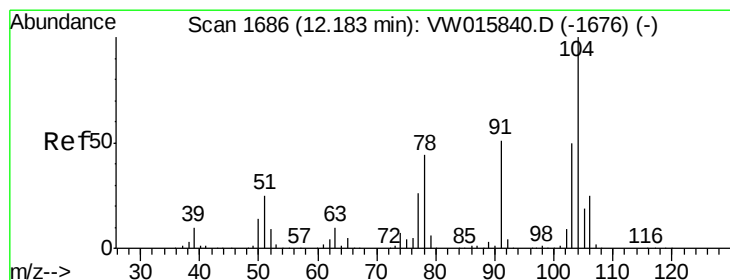
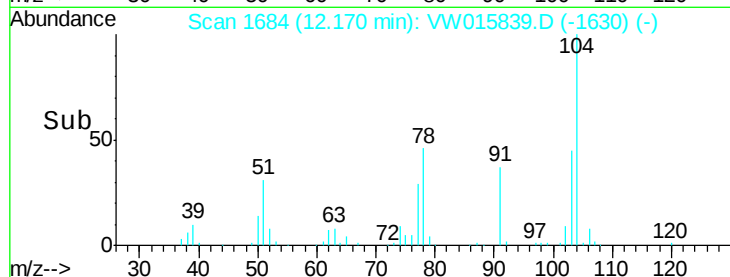
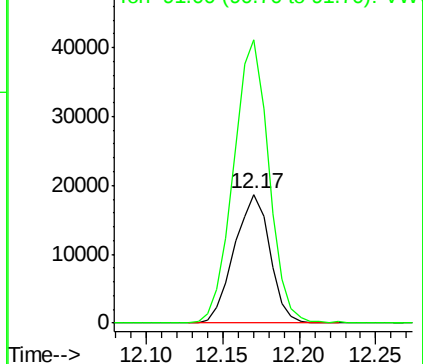
#55
o-xylene
Concen: 4.799 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Tgt Ion:106 Resp: 30308
Ion Ratio Lower Upper
106 100
91 220.0 141.1 262.0

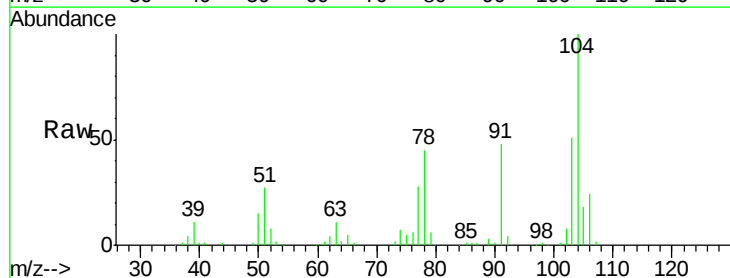


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

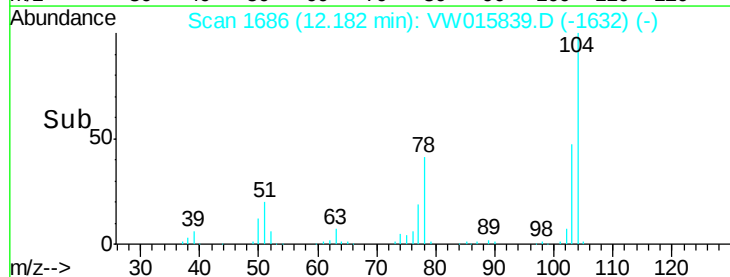
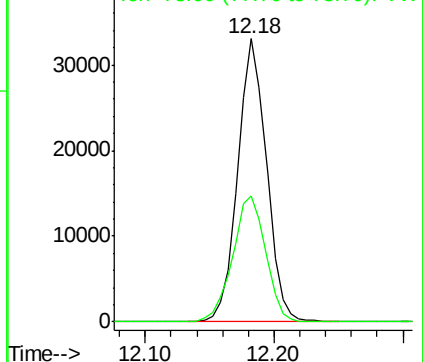


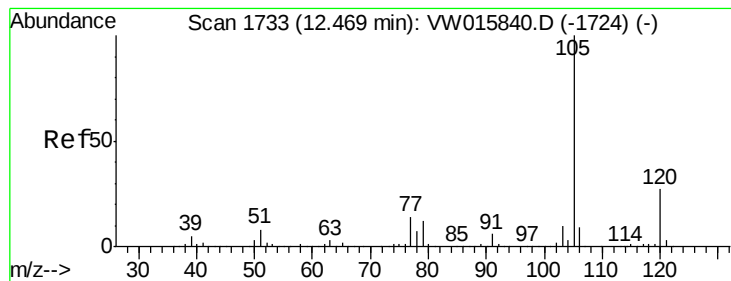
#56
Styrene
Concen: 4.793 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015839.D
Acq: 13 Jul 2020 11:28

Tgt Ion:104 Resp: 51223
Ion Ratio Lower Upper
104 100
78 44.7 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: 4.887 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

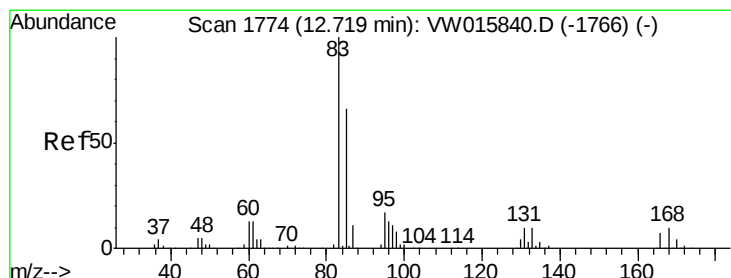
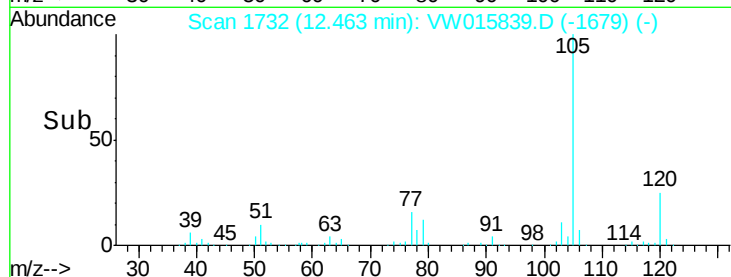
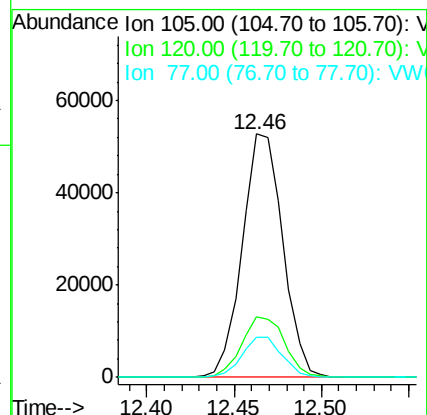
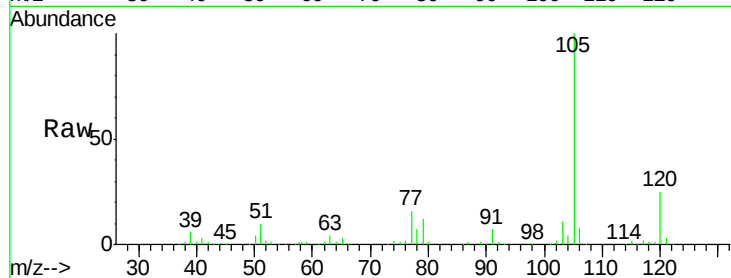
Tgt Ion: 105 Resp: 84881

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

77 16.5 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.076 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

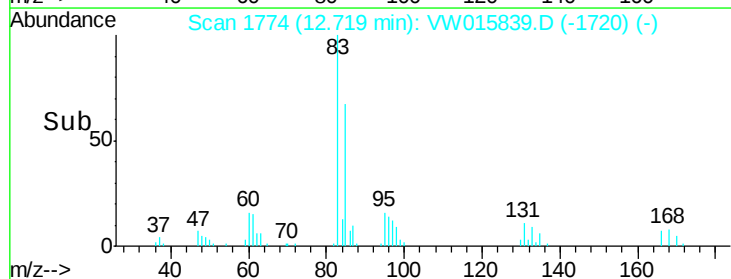
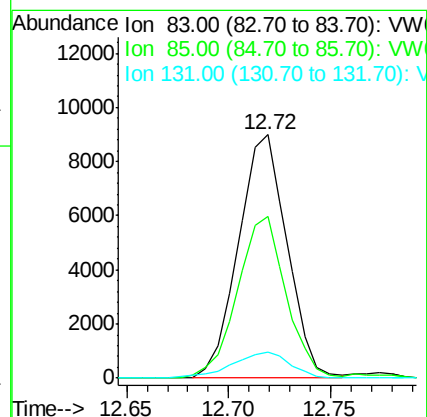
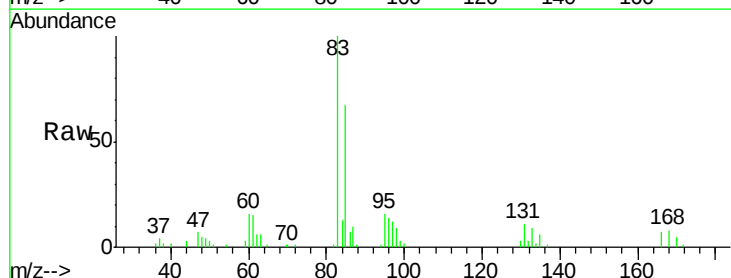
Tgt Ion: 83 Resp: 14869

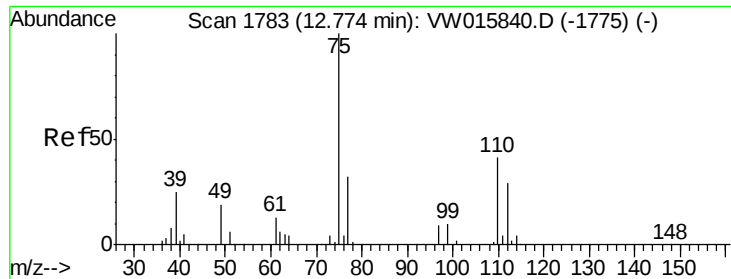
Ion Ratio Lower Upper

83 100

85 66.6 46.2 85.8

131 10.8 8.1 12.1

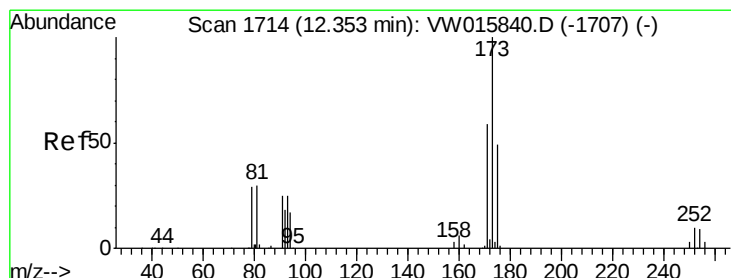
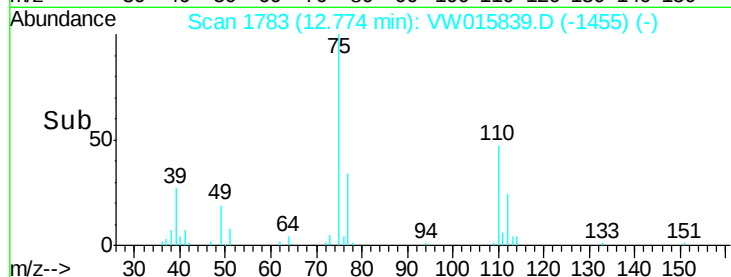
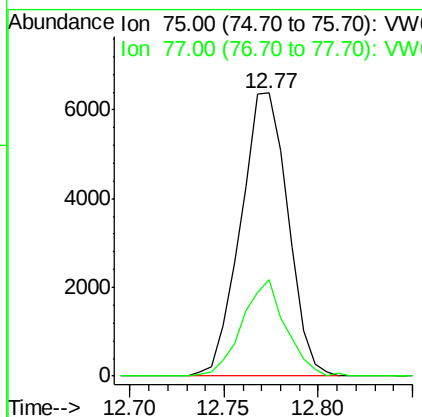
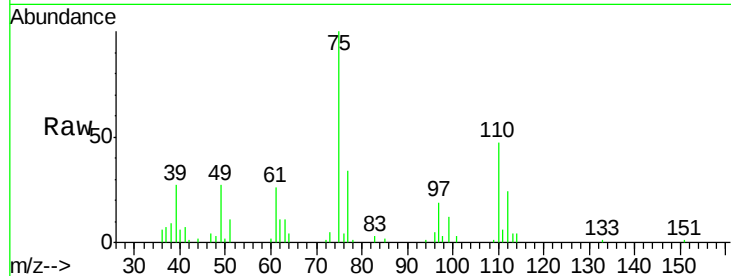




#59
 1,2,3-Trichloropropane
 Concen: 5.034 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

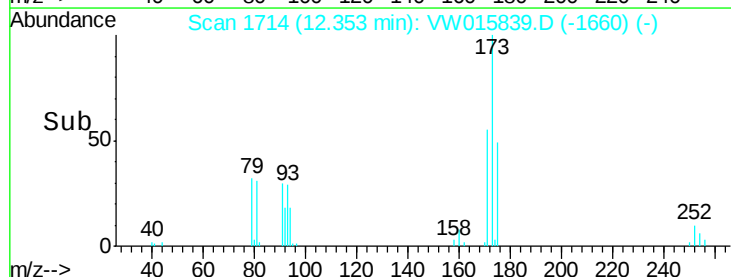
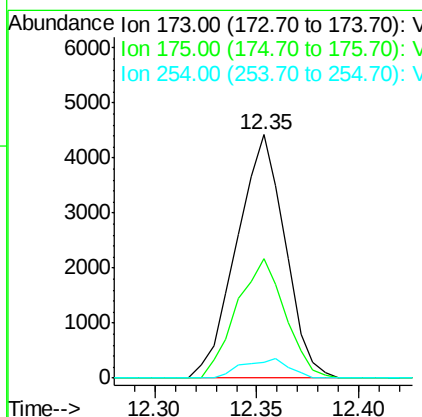
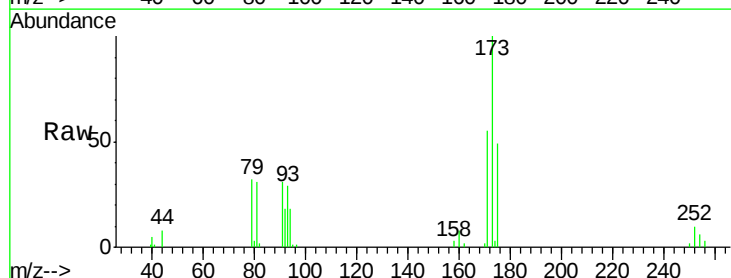
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

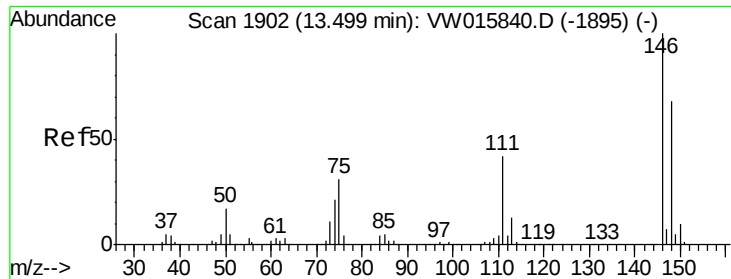
Tgt Ion: 75 Resp: 11123
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.8



#62
 Bromoform
 Concen: 4.749 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion: 173 Resp: 7294
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.2 57.4
 254 4.7 6.6 9.8#





#63

1,3-Dichlorobenzene

Concen: 5.122 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

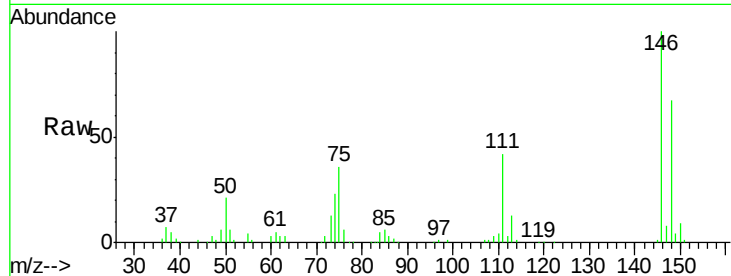
Tgt Ion:146 Resp: 36851

Ion Ratio Lower Upper

146 100

111 41.9 29.2 54.2

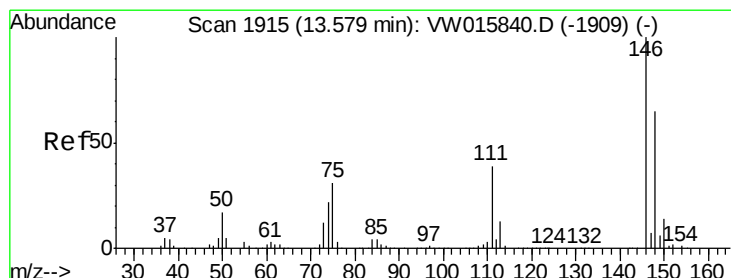
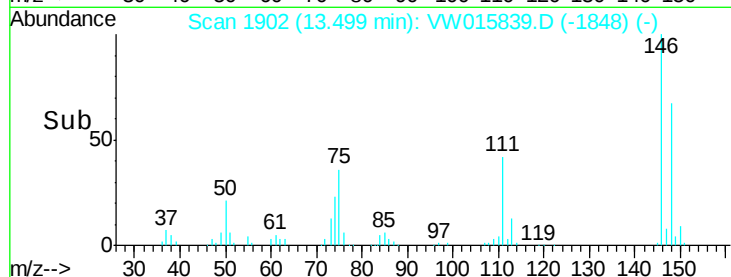
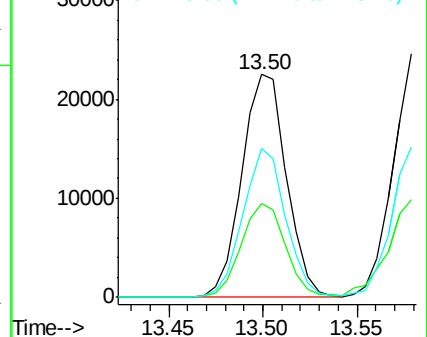
148 67.1 47.7 88.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 5.385 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

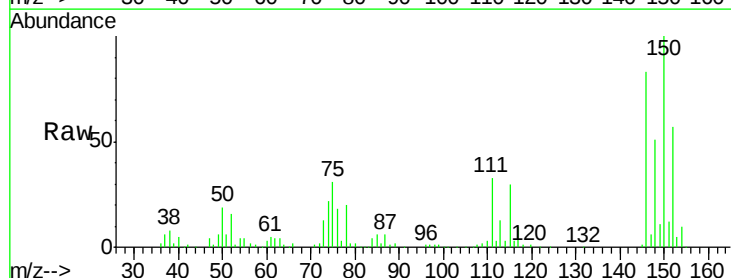
Tgt Ion:146 Resp: 38684

Ion Ratio Lower Upper

146 100

111 40.1 27.6 51.2

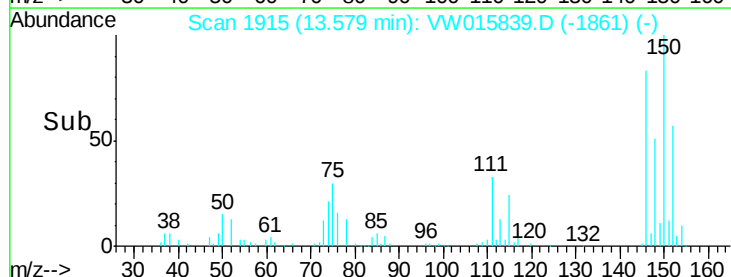
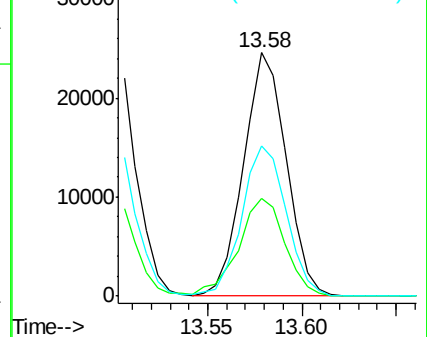
148 61.4 45.3 84.1

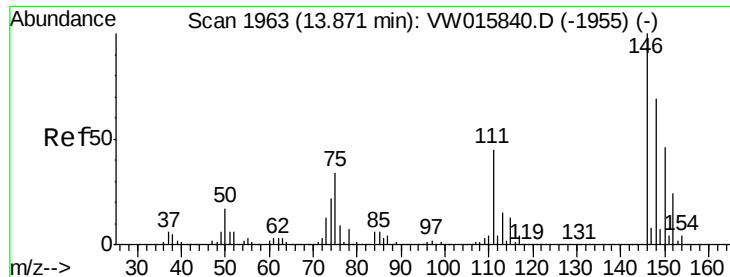


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.439 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

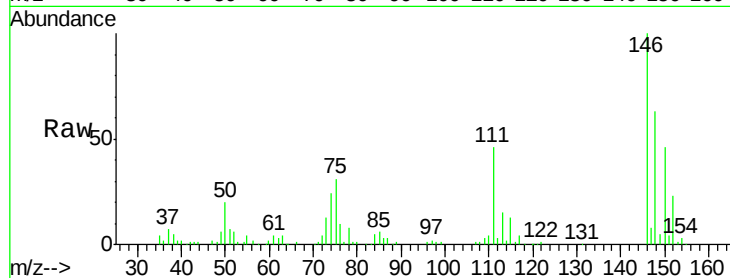
Tgt Ion:146 Resp: 34443

Ion Ratio Lower Upper

146 100

111 46.3 36.2 54.4

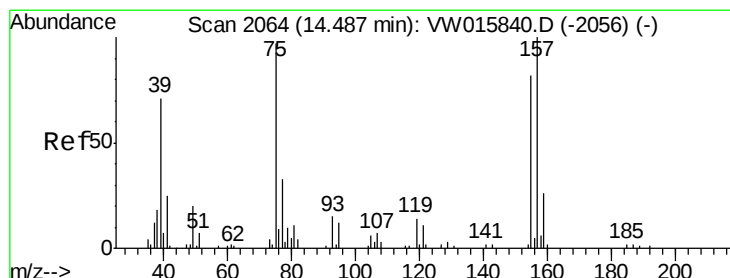
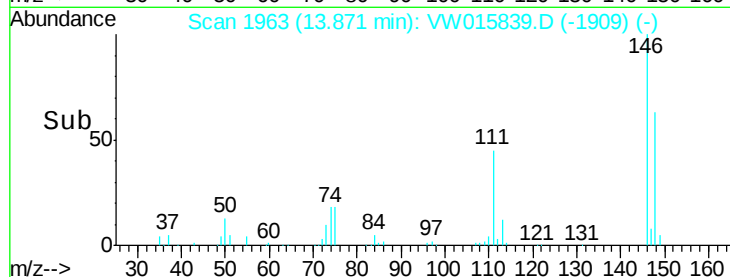
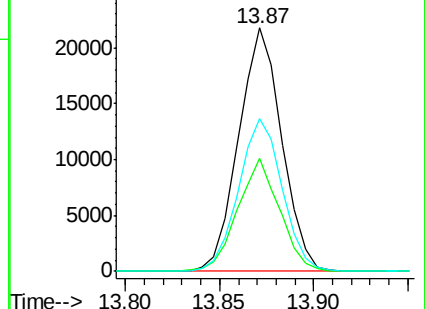
148 63.0 55.1 82.7



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: 5.119 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

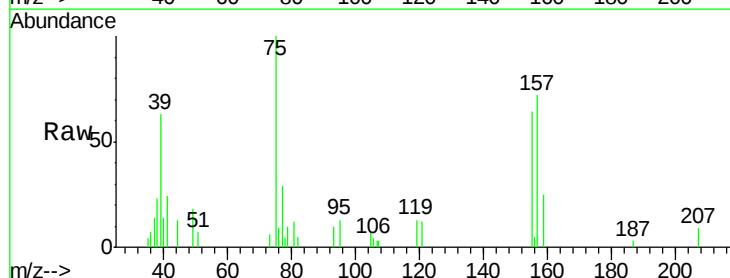
Tgt Ion: 75 Resp: 2247

Ion Ratio Lower Upper

75 100

157 71.9 82.2 123.2#

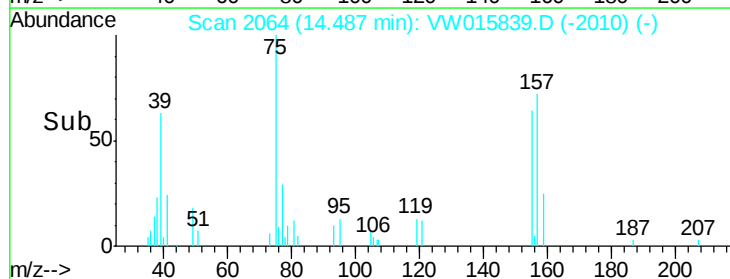
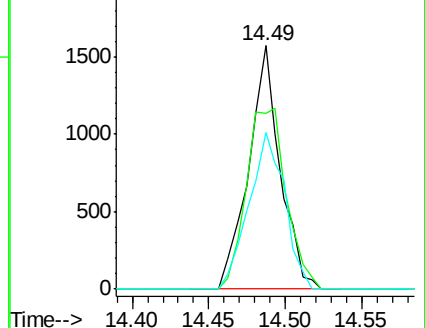
155 64.2 67.7 101.5#

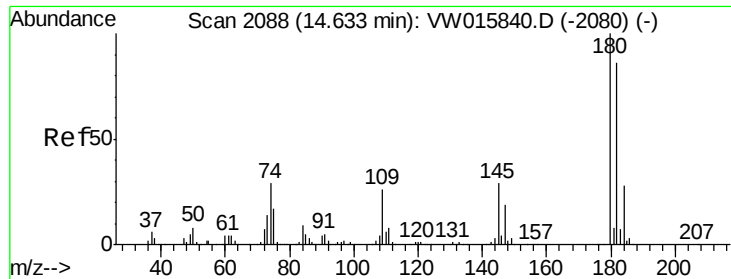


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

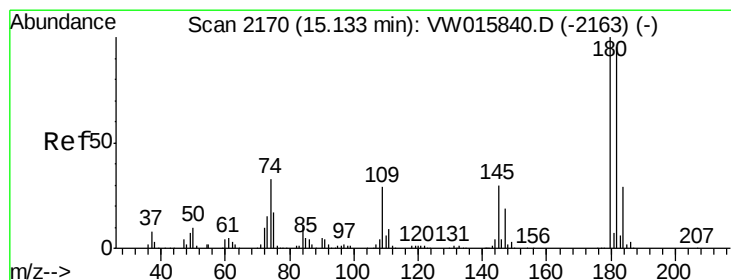
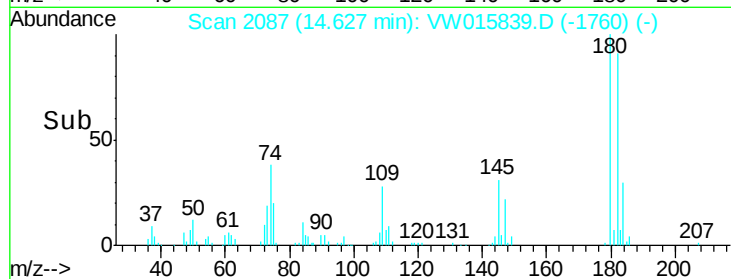
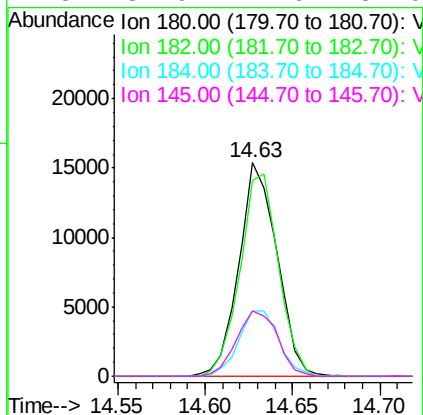
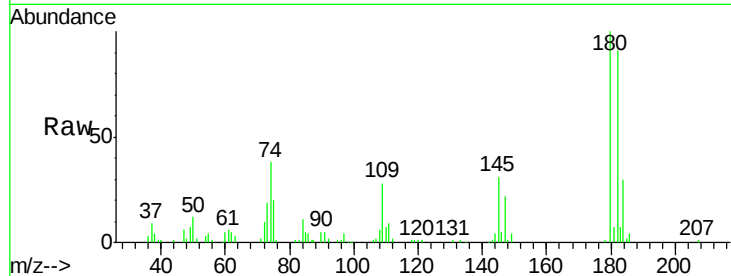




#67
 1,3,5-Trichlorobenzene
 Concen: 4.803 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

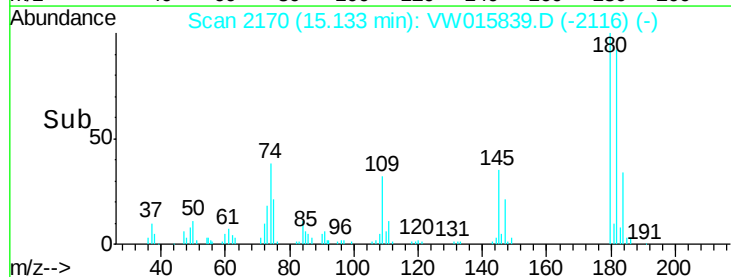
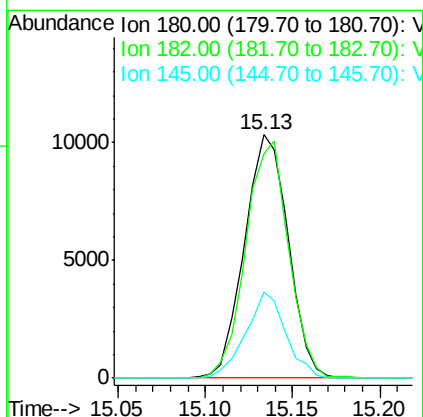
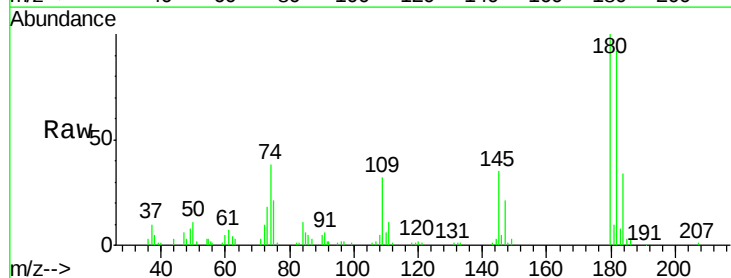
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

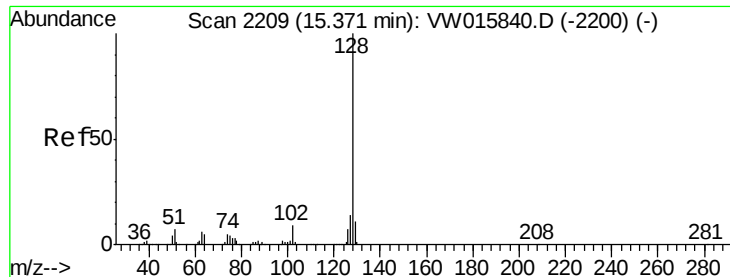
Tgt Ion:	180	Resp:	23439
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.3	112.9
184	32.1	22.8	34.2
145	32.9	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.575 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015839.D
 Acq: 13 Jul 2020 11:28

Tgt Ion:	180	Resp:	17948
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
145	32.3	25.0	37.4





#69

Naphthalene

Concen: 4.166 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

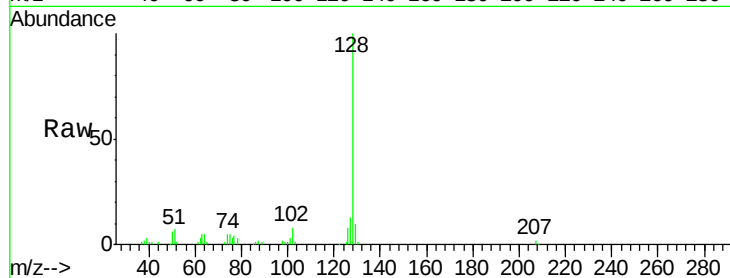
Tgt Ion:128 Resp: 29807

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

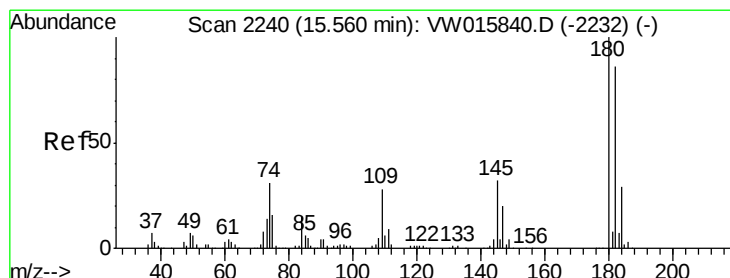
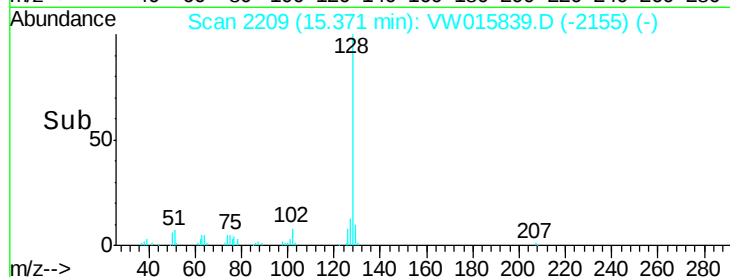
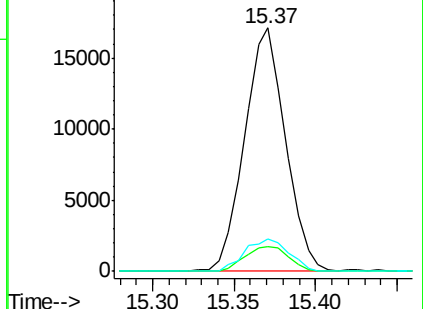
127 14.3 10.7 16.1



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: 4.940 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015839.D

Acq: 13 Jul 2020 11:28

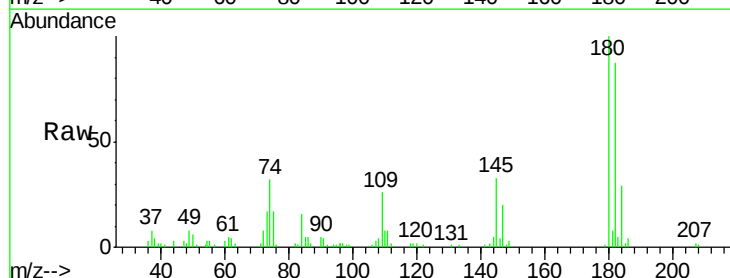
Tgt Ion:180 Resp: 16742

Ion Ratio Lower Upper

180 100

182 89.7 73.1 109.7

145 33.4 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

