

Data File : VW016098.D
Acq On : 10 Aug 2020 12:02
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Aug 10 13:23:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 10 13:22:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	399974	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	374995	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162130	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	14114	2.50	ug/L	0.00
7) Chloroethane-d5	2.89	69	10176	2.22	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	27478	2.41	ug/L	0.00
20) 2-Butanone-d5	7.09	46	6047	4.08	ug/L	0.00
24) Chloroform-d	7.65	84	27666	2.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14595	2.37	ug/L	0.00
29) Benzene-d6	8.27	84	50457	2.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	15415	2.25	ug/L	0.00
37) Toluene-d8	10.33	98	45274	2.19	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6297	2.16	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4179	3.67	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12160	2.31	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	14585	2.31	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9251	2.733 ug/L	98
3) Chloromethane	2.21	50	10208	2.494 ug/L	96
5) Vinyl chloride	2.36	62	13353	2.115 ug/L	99
6) Bromomethane	2.78	94	8232	2.186 ug/L	95
8) Chloroethane	2.92	64	7270	1.966 ug/L	96
9) Trichlorofluoromethane	3.26	101	9228	2.175 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6160	1.187 ug/L #	68
12) 1,1-Dichloroethene	4.03	96	12627	2.456 ug/L	89
13) Acetone	4.14	43	5587	4.487 ug/L	79
14) Carbon disulfide	4.38	76	38514	2.372 ug/L	100
15) Methyl Acetate	4.68	43	3457	1.473 ug/L	98
16) Methylene chloride	4.92	84	19756	3.014 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	16419	2.258 ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	12556	2.313 ug/L	98
19) 1,1-Dichloroethane	6.22	63	23100	2.309 ug/L	98
21) 2-Butanone	7.18	43	8547	5.552 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	13108	2.308 ug/L	96
23) Bromochloromethane	7.52	128	6376	2.560 ug/L	92
25) Chloroform	7.68	83	25341	2.556 ug/L	100
27) 1,2-Dichloroethane	8.40	62	17161	2.543 ug/L	97
30) Cyclohexane	7.95	56	17597	1.861 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	21010	2.399 ug/L	99
32) Carbon tetrachloride	8.07	117	20207	2.545 ug/L	100
34) Benzene	8.32	78	50568	2.220 ug/L	100
35) Trichloroethene	9.09	95	14245	2.364 ug/L	96
36) Methylcyclohexane	9.34	83	21907	2.119 ug/L	99
40) 1,2-Dichloropropane	9.37	63	12633	2.239 ug/L	98
41) Bromodichloromethane	9.65	83	17564	2.410 ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	16895	1.966 ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	13804	4.192 ug/L	96

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Quant Title : VOC Analysis
QLast Update : Mon Aug 10 13:22:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	51954	2.175	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	15966	2.144	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	10090	2.487	ug/L	98
47) Tetrachloroethene	10.86	164	10773	2.304	ug/L	90
49) 2-Hexanone	10.97	43	8745	3.742	ug/L	99
50) Dibromochloromethane	11.13	129	11173	2.379	ug/L	99
51) 1,2-Dibromoethane	11.23	107	9327	2.403	ug/L #	94
52) Chlorobenzene	11.66	112	37059	2.421	ug/L	93
53) Ethylbenzene	11.73	91	58436	2.175	ug/L	96
54) m,p-Xylene	11.84	106	21485	2.138	ug/L	86
55) o-xylene	12.17	106	19663	2.078	ug/L	92
56) Styrene	12.18	104	32649	2.029	ug/L	90
57) Isopropylbenzene	12.46	105	52822	2.051	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	11742	2.465	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	9078	2.543	ug/L	100
62) Bromoform	12.35	173	5760	2.415	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	24142	2.327	ug/L	86
64) 1,4-Dichlorobenzene	13.58	146	25961	2.465	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	22974	2.437	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	2207	3.111	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.63	180	15317	2.099	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	10930	1.886	ug/L	95
69) Naphthalene	15.37	128	21037	1.927	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	10638	2.060	ug/L	97

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

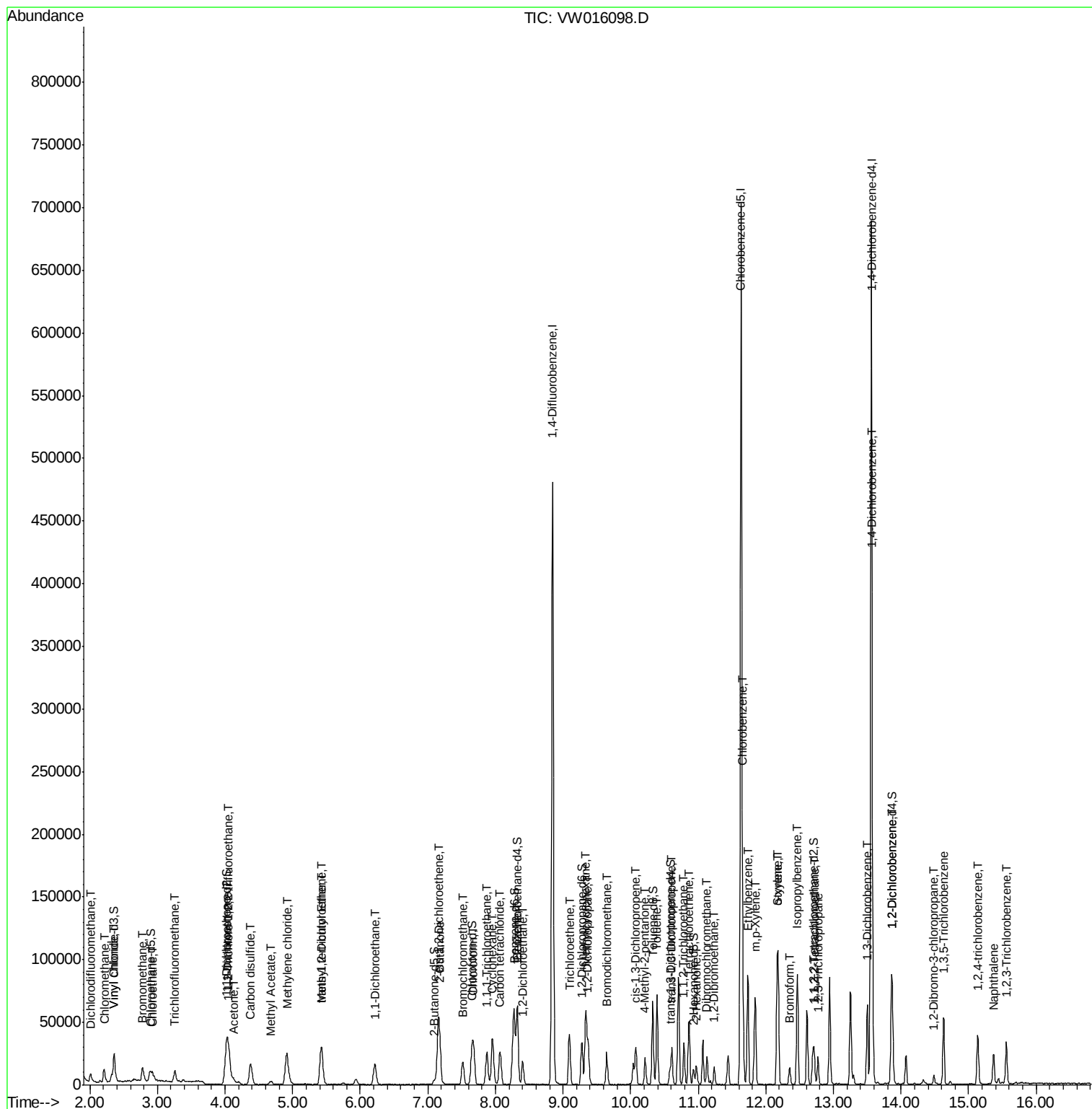
Quant Time: Aug 10 13:23:20 2020

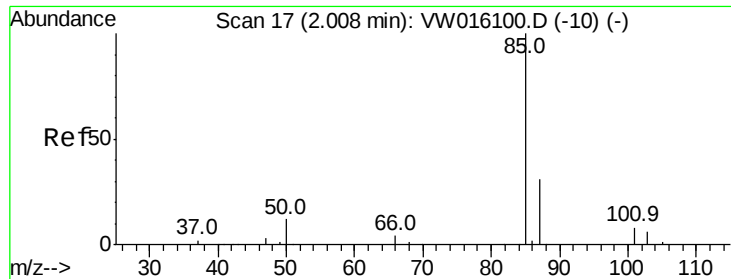
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M

Quant Title : VOC Analysis

QLast Update : Mon Aug 10 13:22:00 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.733 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

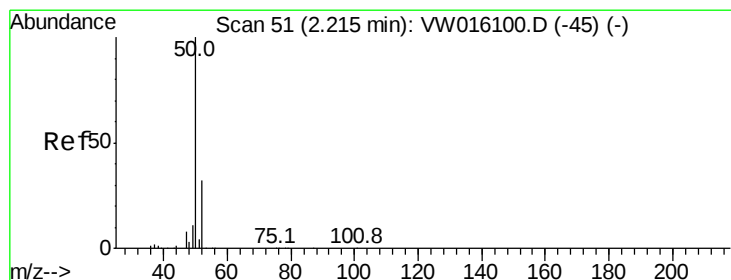
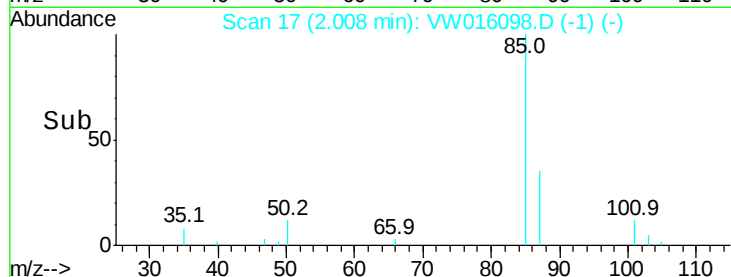
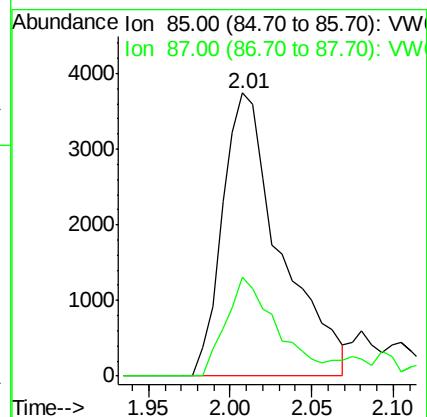
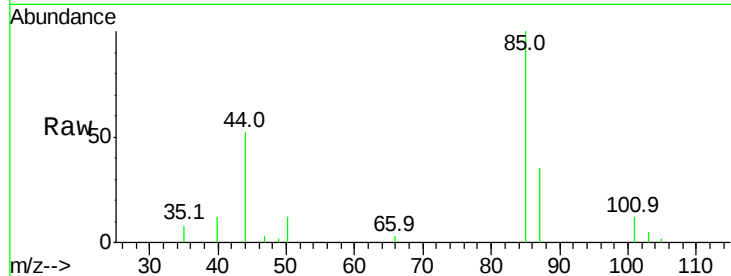
VSTD2.501

Tgt Ion: 85 Resp: 9251

Ion Ratio Lower Upper

85 100

87 30.5 22.0 41.0



#3

Chloromethane

Concen: 2.494 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016098.D

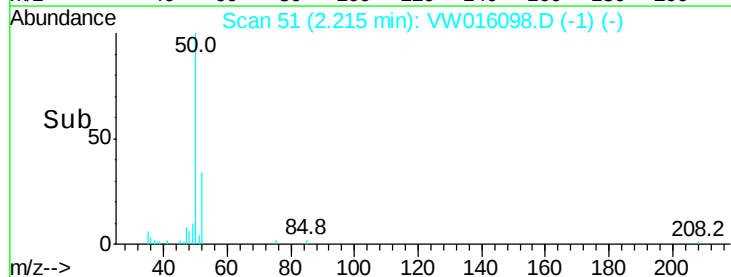
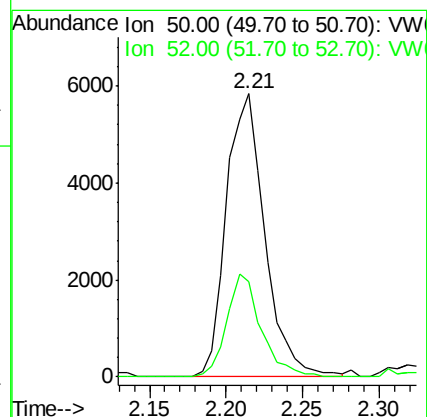
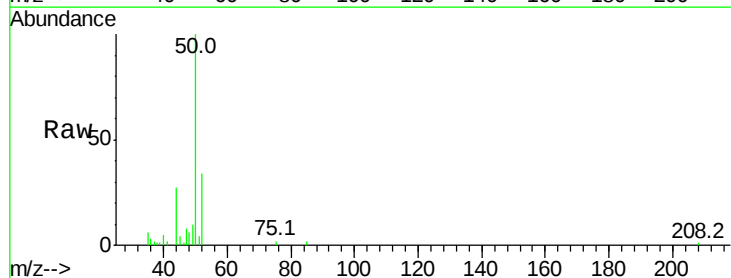
Acq: 10 Aug 2020 12:02

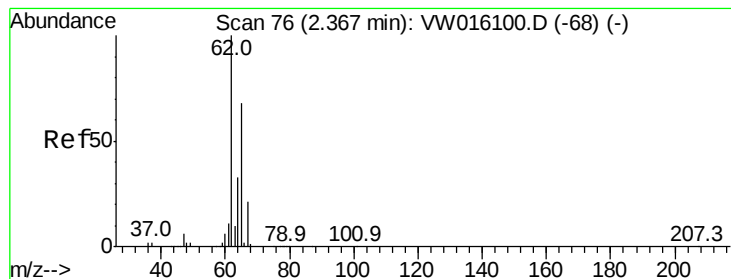
Tgt Ion: 50 Resp: 10208

Ion Ratio Lower Upper

50 100

52 33.5 22.0 40.8





#5

Vinyl chloride

Concen: 2.115 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

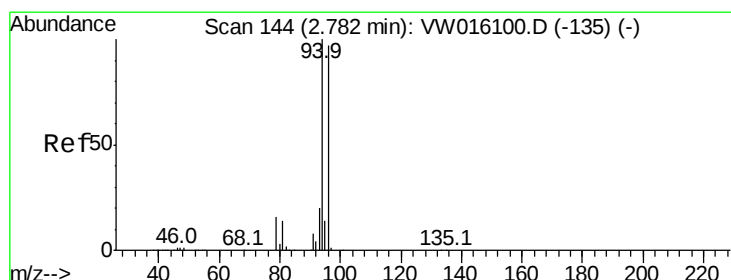
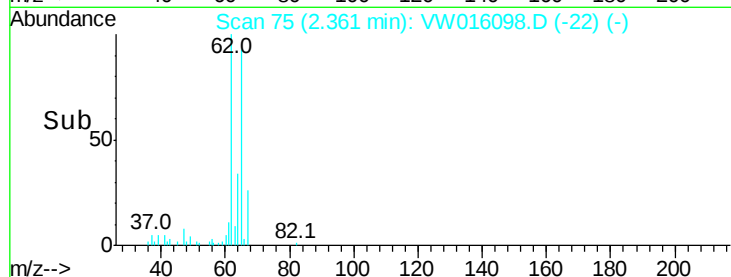
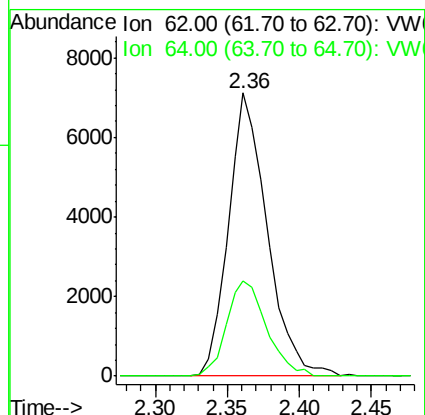
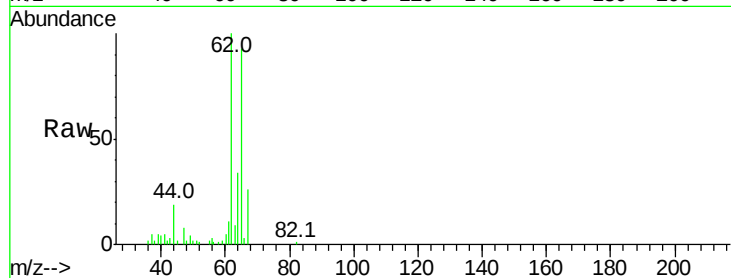
VSTD2.501

Tgt Ion: 62 Resp: 13353

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.8



#6

Bromomethane

Concen: 2.186 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016098.D

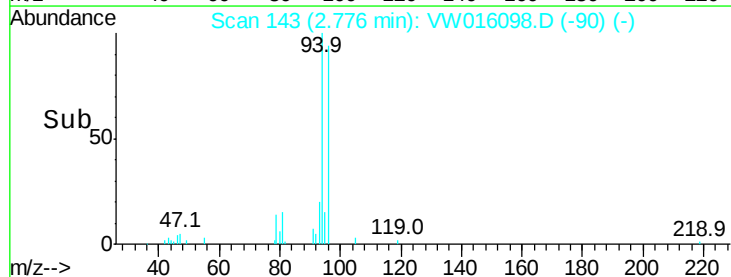
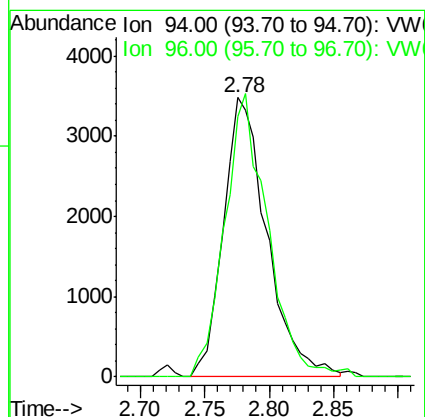
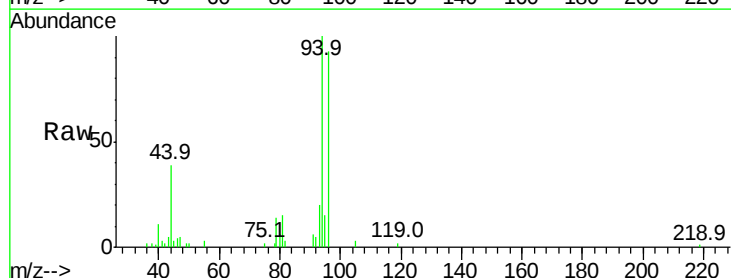
Acq: 10 Aug 2020 12:02

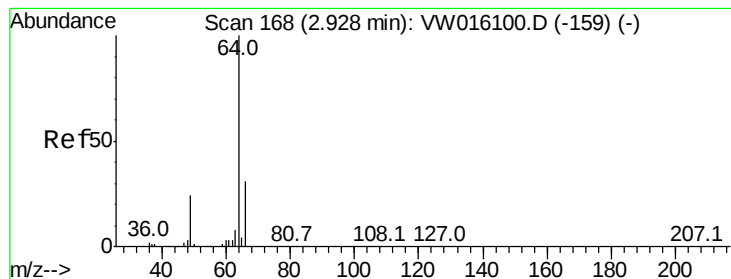
Tgt Ion: 94 Resp: 8232

Ion Ratio Lower Upper

94 100

96 98.8 9.4 178.2





#8

Chloroethane

Concen: 1.966 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

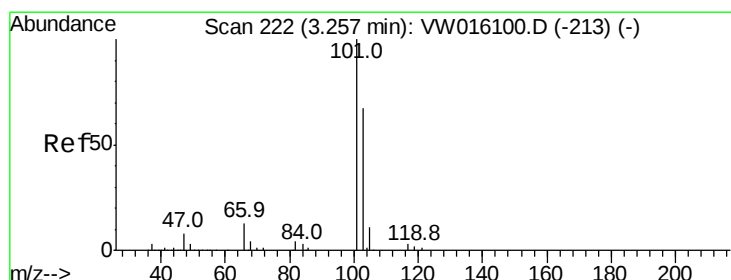
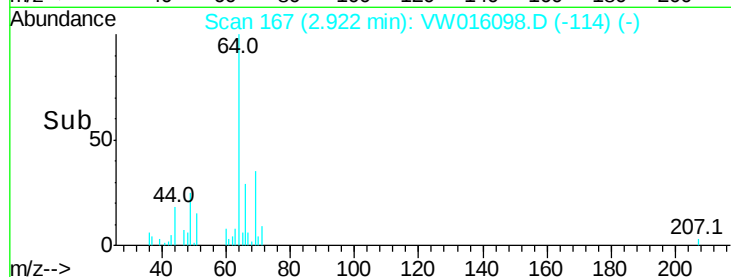
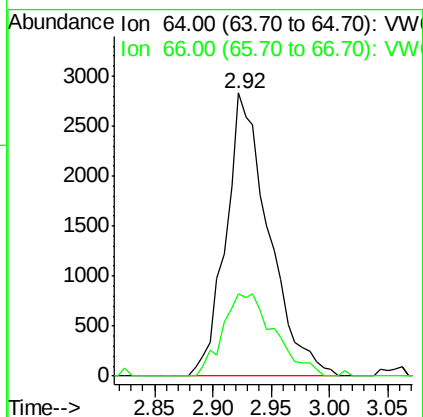
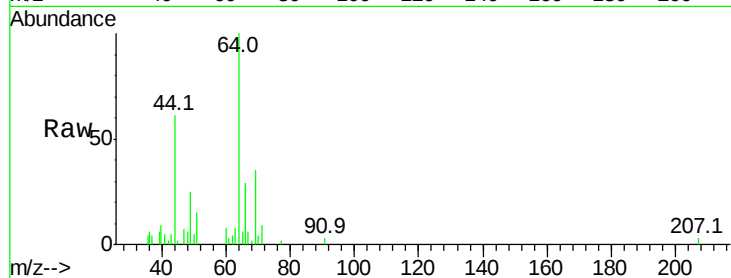
VSTD2.501

Tgt Ion: 64 Resp: 7270

Ion Ratio Lower Upper

64 100

66 29.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 2.175 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW016098.D

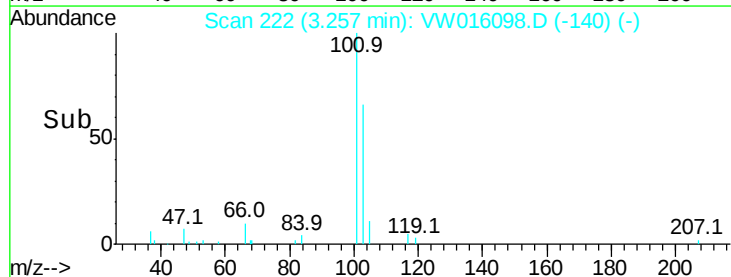
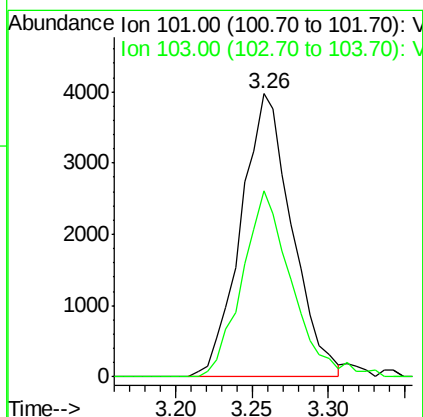
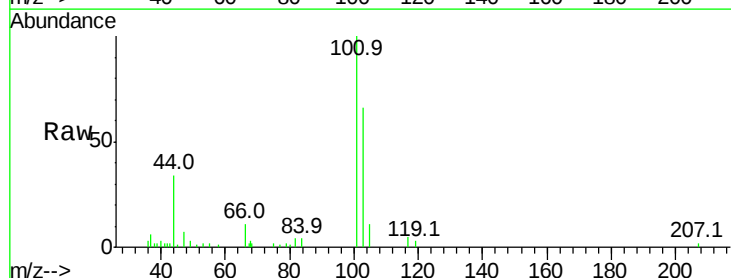
Acq: 10 Aug 2020 12:02

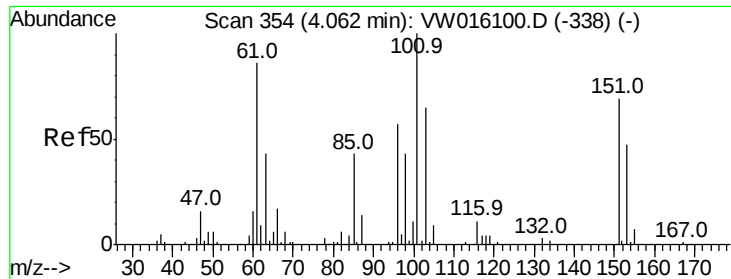
Tgt Ion: 101 Resp: 9228

Ion Ratio Lower Upper

101 100

103 63.4 45.6 84.6





#11

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

Concen: 1.187 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

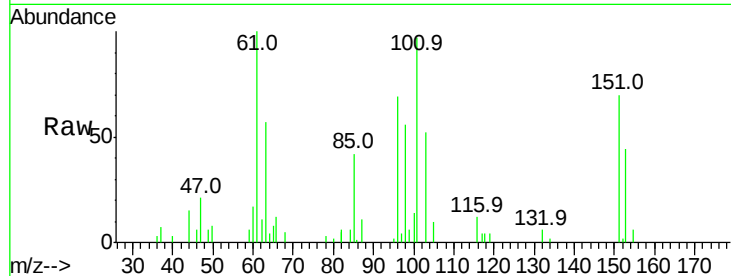
Tgt Ion:101 Resp: 6160

Ion Ratio Lower Upper

101 100

85 85.4 34.2 51.4#

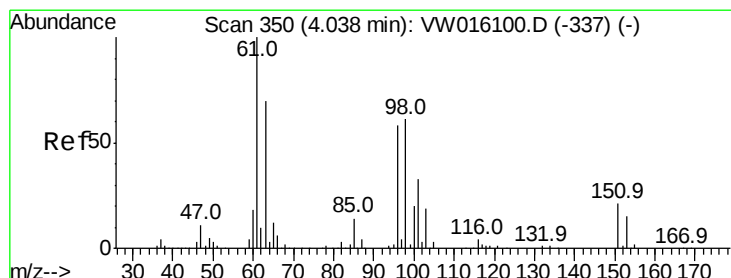
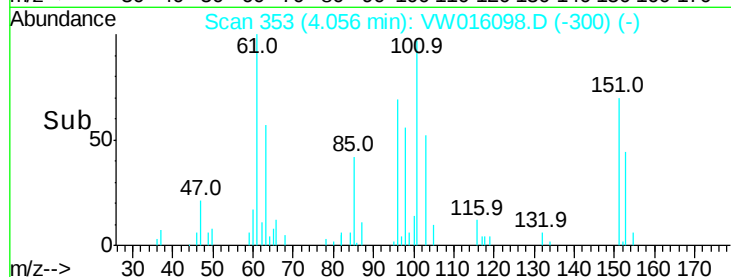
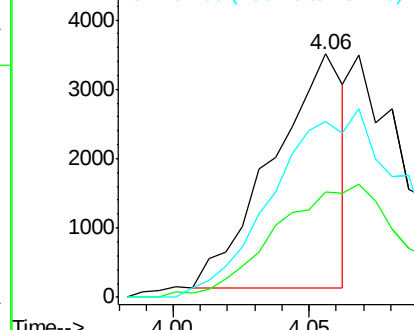
151 81.1 57.4 86.2



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: 2.456 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

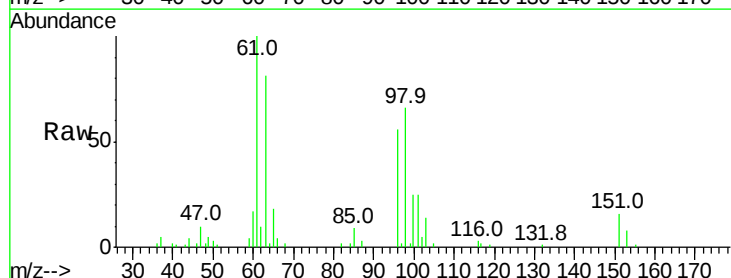
Tgt Ion: 96 Resp: 12627

Ion Ratio Lower Upper

96 100

61 178.7 120.2 223.2

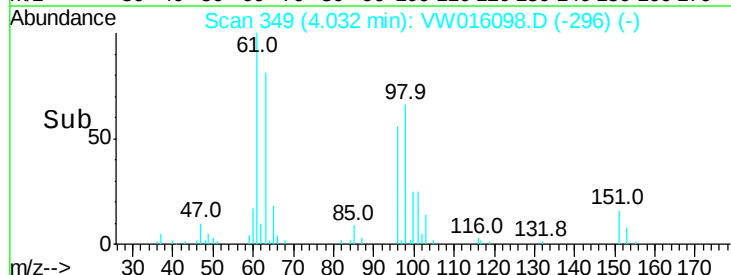
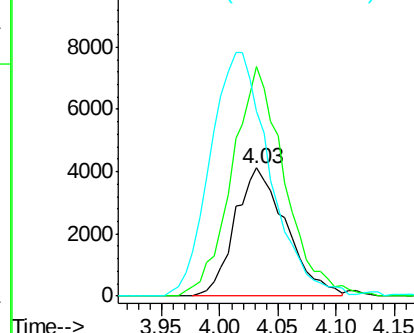
63 144.5 86.4 160.4

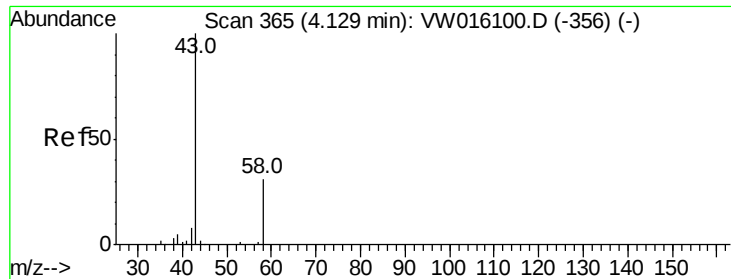


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.487 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

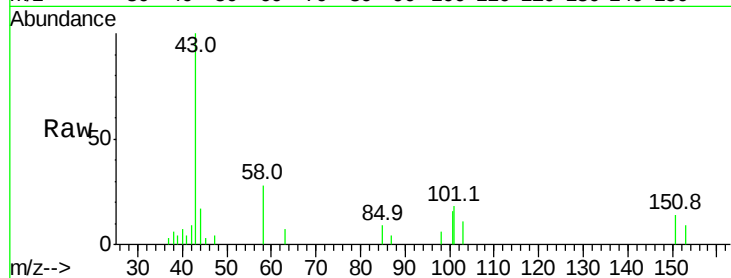
VSTD2.501

Tgt Ion: 43 Resp: 5587

Ion Ratio Lower Upper

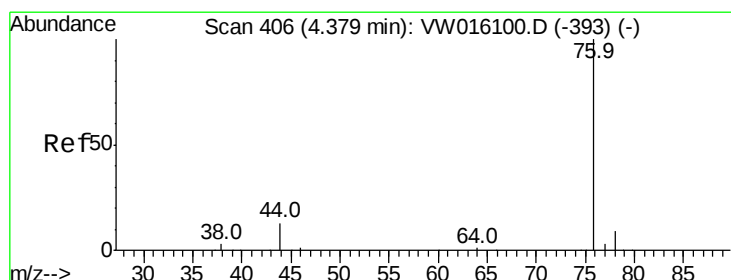
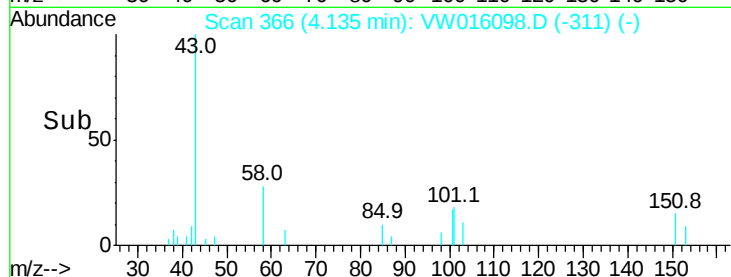
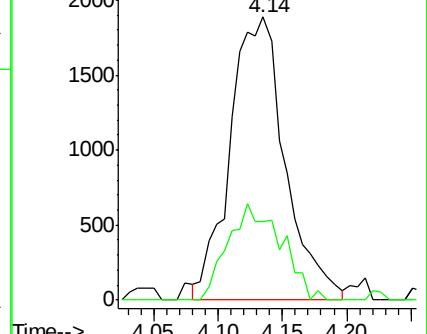
43 100

58 18.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.372 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016098.D

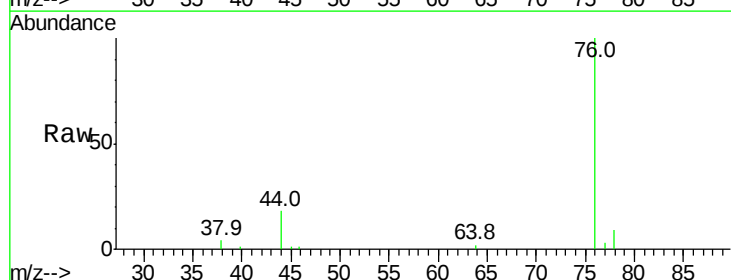
Acq: 10 Aug 2020 12:02

Tgt Ion: 76 Resp: 38514

Ion Ratio Lower Upper

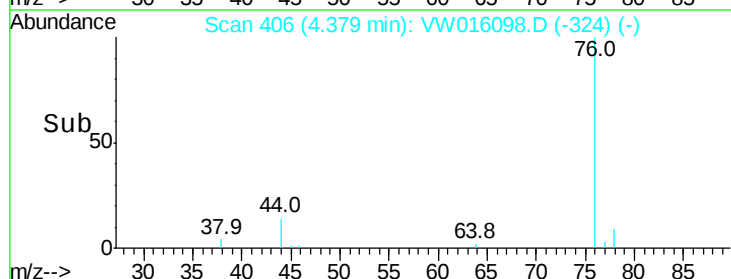
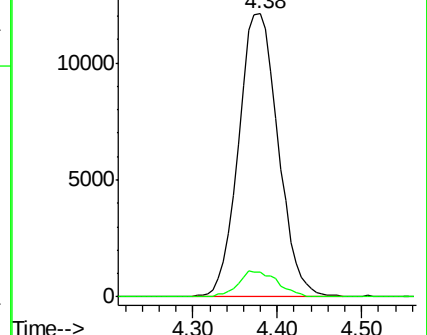
76 100

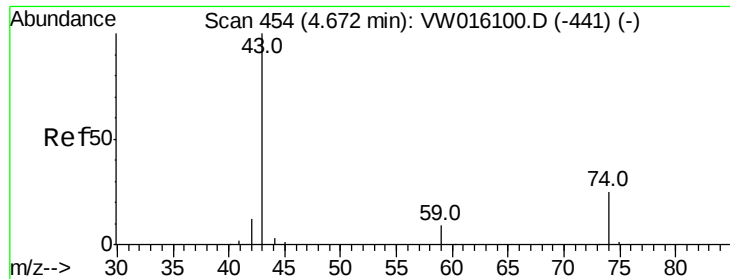
78 8.8 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

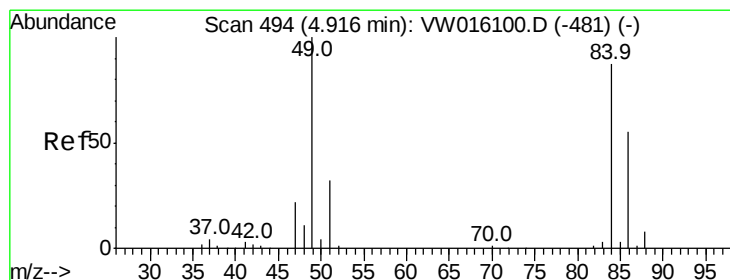
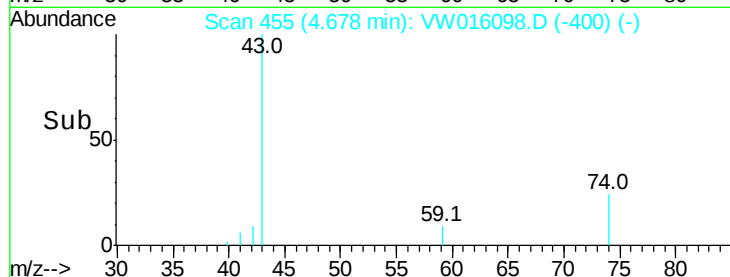
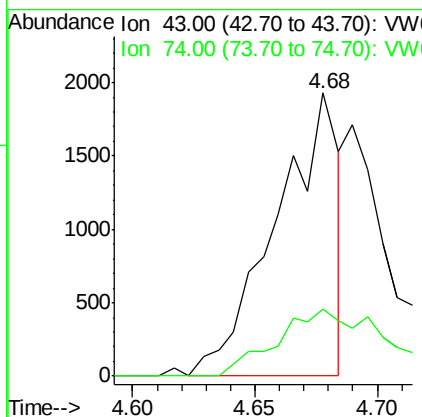
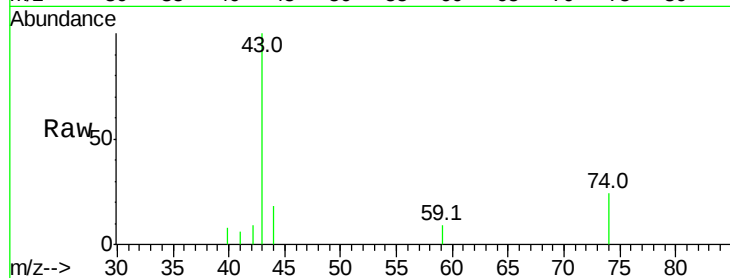




#15
Methyl Acetate
Concen: 1.473 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

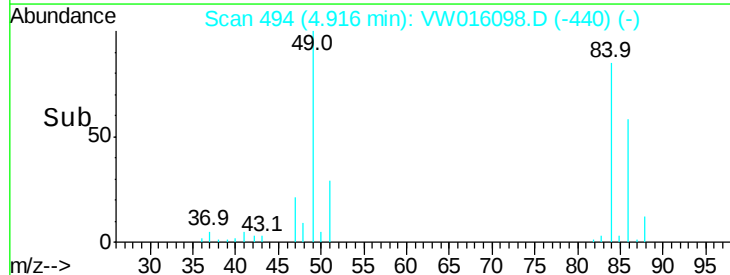
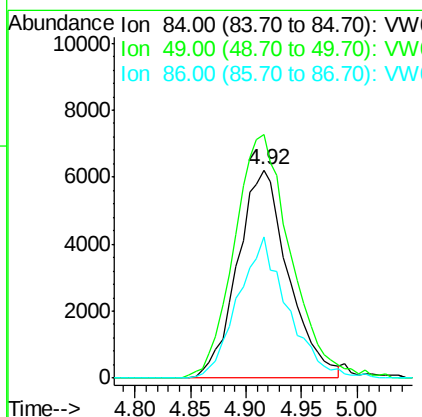
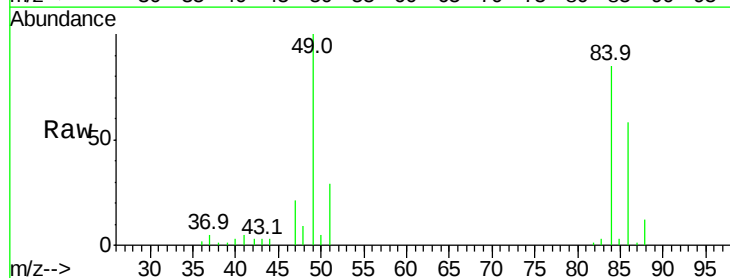
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

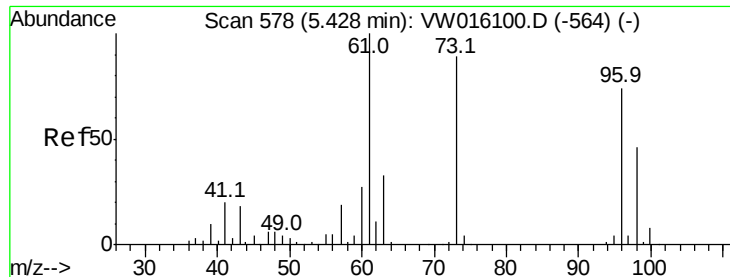
Tgt Ion: 43 Resp: 3457
Ion Ratio Lower Upper
43 100
74 22.5 18.9 28.3



#16
Methylene chloride
Concen: 3.014 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

Tgt Ion: 84 Resp: 19756
Ion Ratio Lower Upper
84 100
49 117.1 80.4 149.4
86 67.9 43.8 81.3

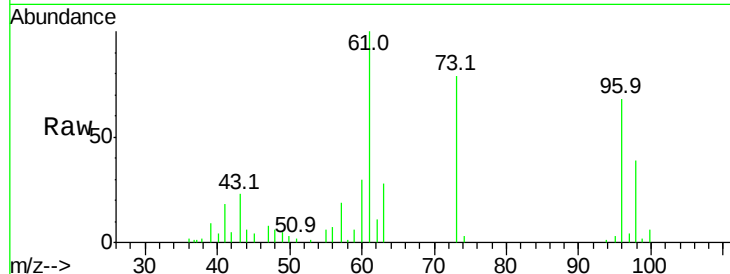




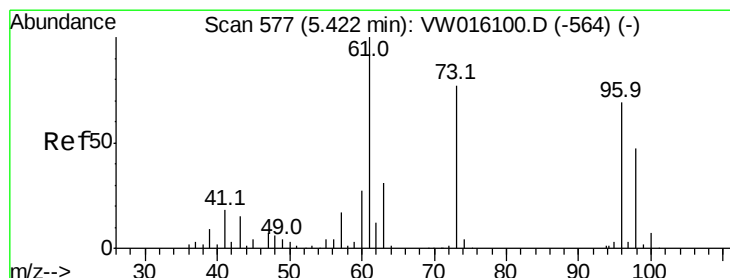
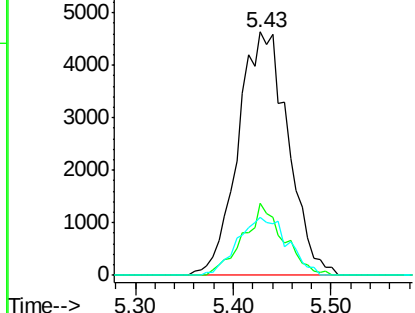
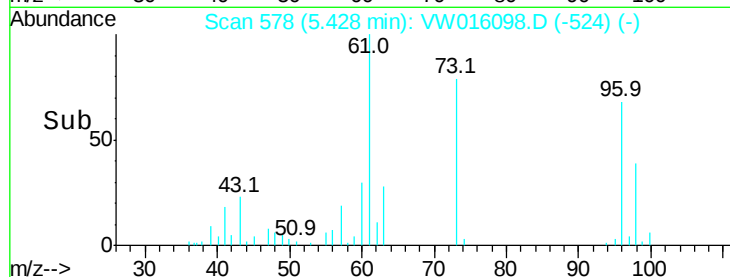
#17
Methyl tert-butyl Ether
Concen: 2.258 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Tgt Ion: 73 Resp: 16419
Ion Ratio Lower Upper
73 100
43 17.0 16.6 24.8
57 16.7 17.1 25.7#

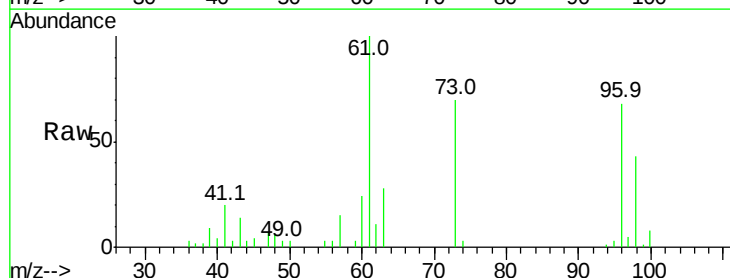


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

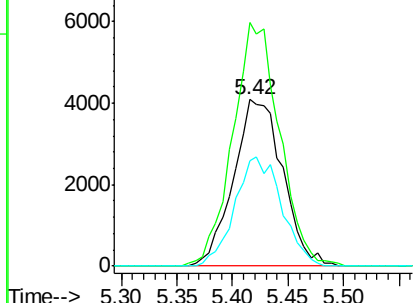
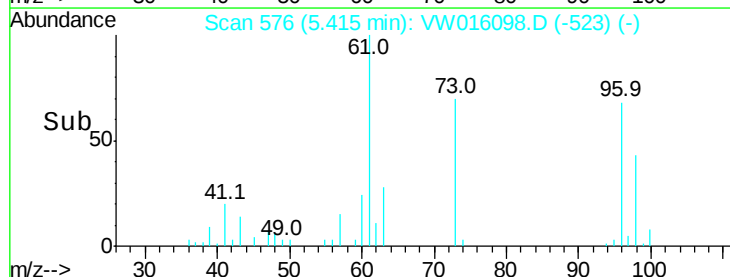


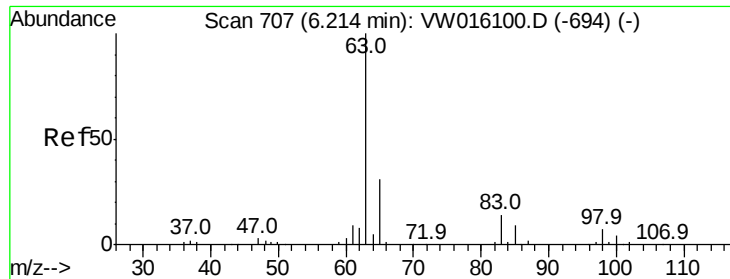
#18
trans-1,2-Dichloroethene
Concen: 2.313 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

Tgt Ion: 96 Resp: 12556
Ion Ratio Lower Upper
96 100
61 146.0 101.6 188.8
98 63.1 47.7 88.7



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





#19

1,1-Dichloroethane

Concen: 2.309 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

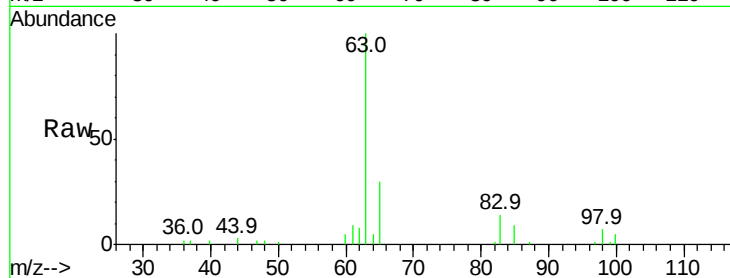
Tgt Ion: 63 Resp: 23100

Ion Ratio Lower Upper

63 100

65 29.7 21.6 40.0

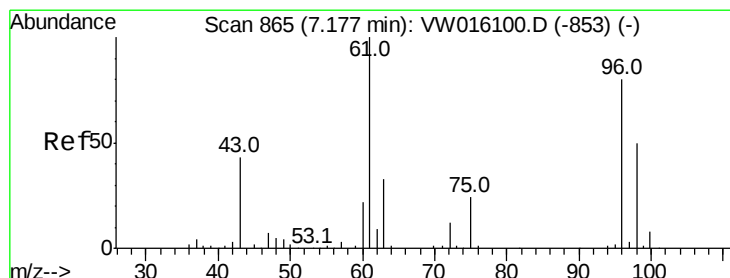
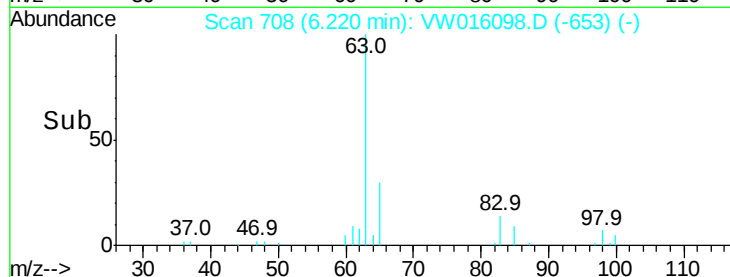
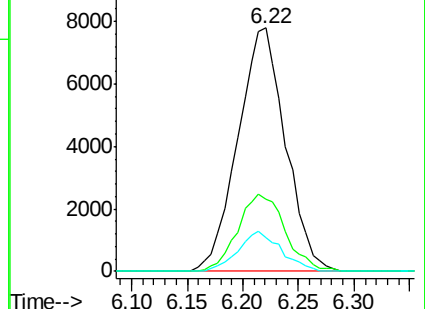
83 13.8 9.8 18.2



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: 5.552 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016098.D

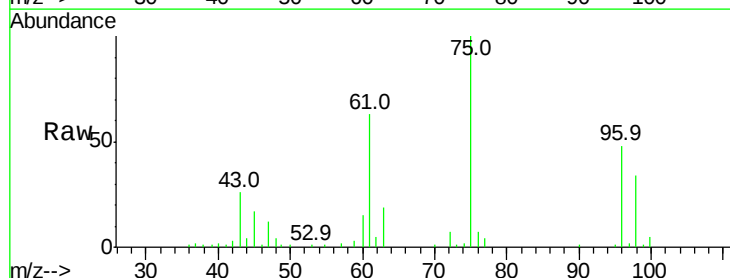
Acq: 10 Aug 2020 12:02

Tgt Ion: 43 Resp: 8547

Ion Ratio Lower Upper

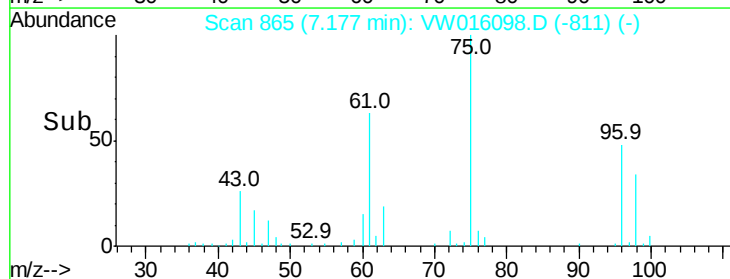
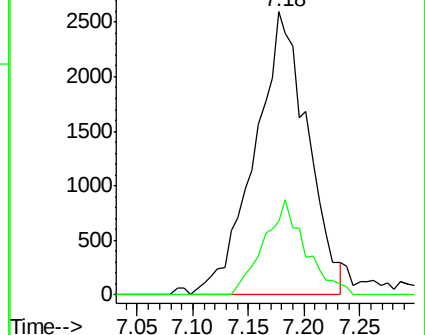
43 100

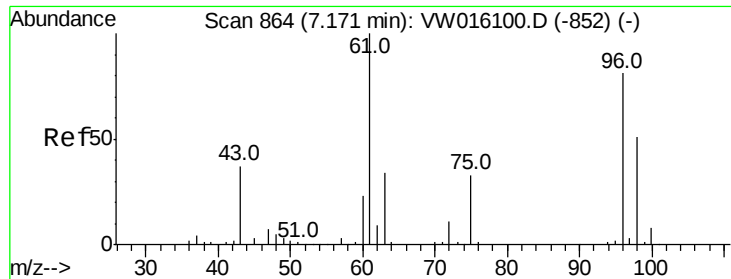
72 26.6 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

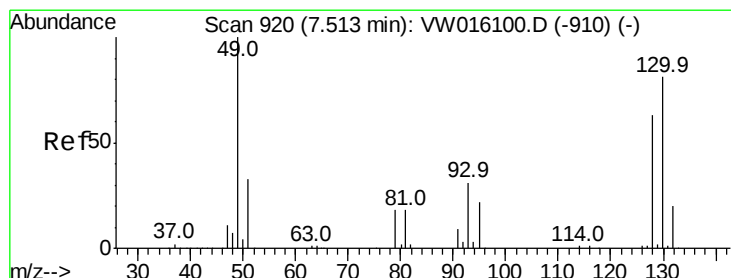
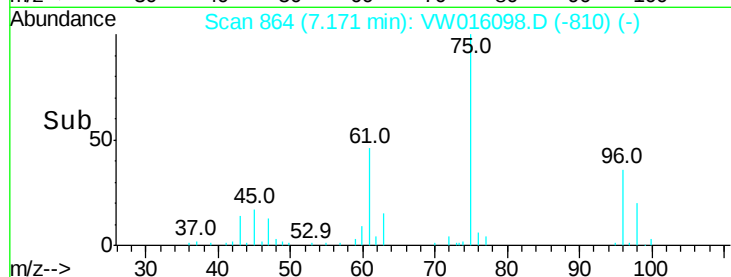
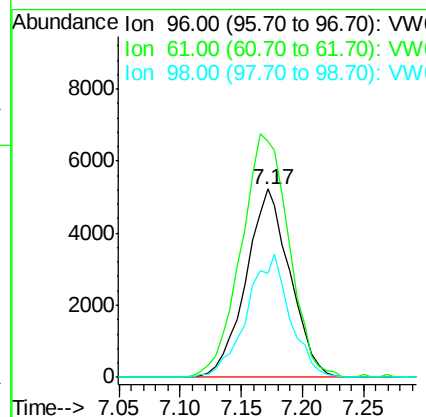
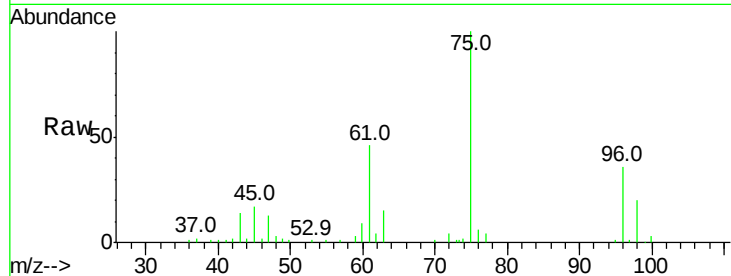




#22
 cis-1,2-Dichloroethene
 Concen: 2.308 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

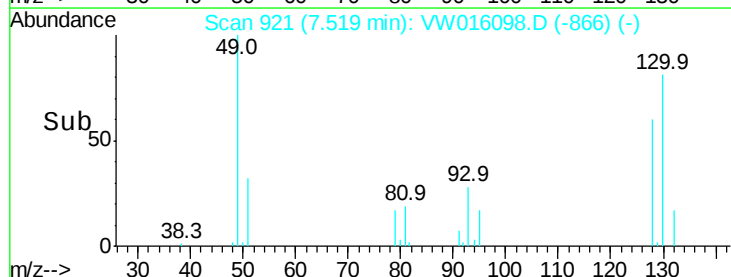
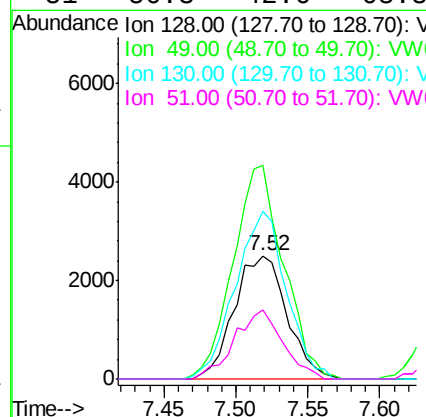
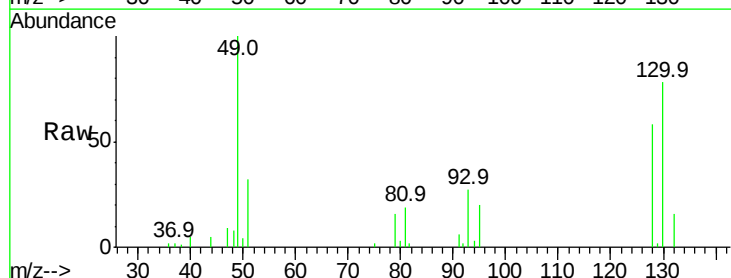
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

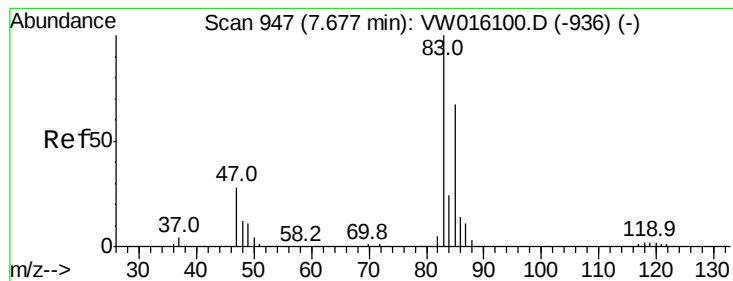
Tgt Ion: 96 Resp: 13108
 Ion Ratio Lower Upper
 96 100
 61 125.6 87.0 161.6
 98 55.1 44.0 81.6



#23
 Bromochloromethane
 Concen: 2.560 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Tgt Ion: 128 Resp: 6376
 Ion Ratio Lower Upper
 128 100
 49 173.4 111.8 207.6
 130 135.8 90.6 168.3
 51 56.3 42.6 63.8





#25

Chloroform

Concen: 2.556 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

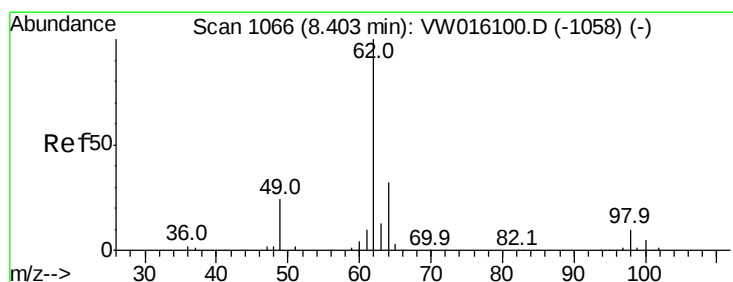
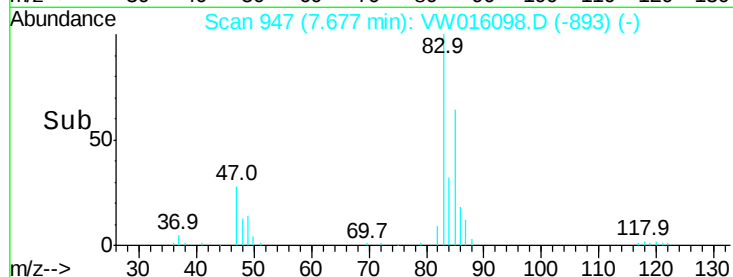
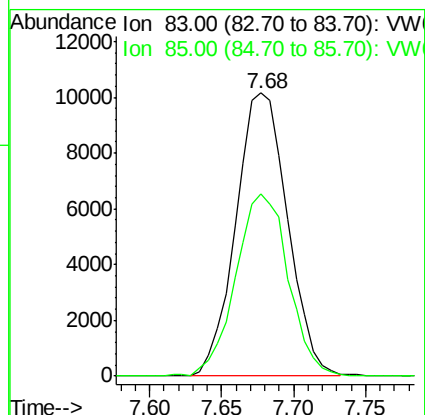
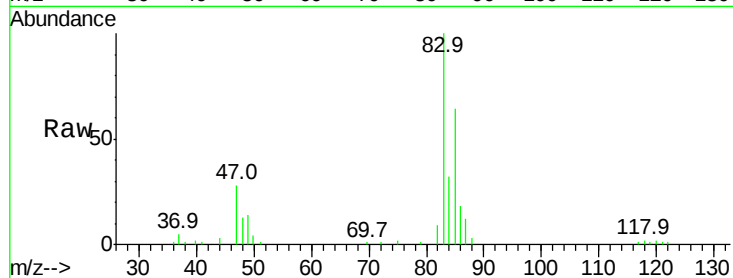
VSTD2.501

Tgt Ion: 83 Resp: 25341

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 2.543 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016098.D

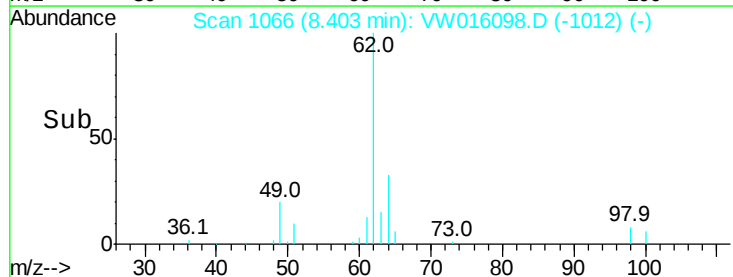
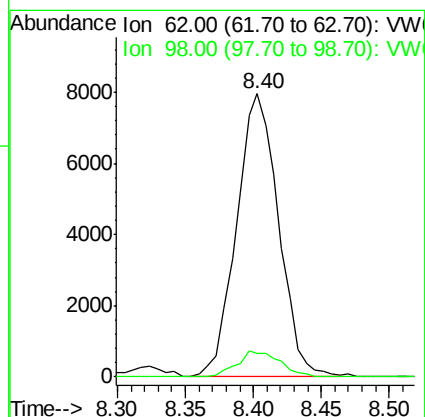
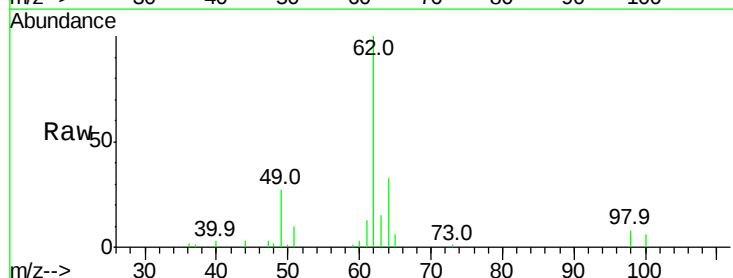
Acq: 10 Aug 2020 12:02

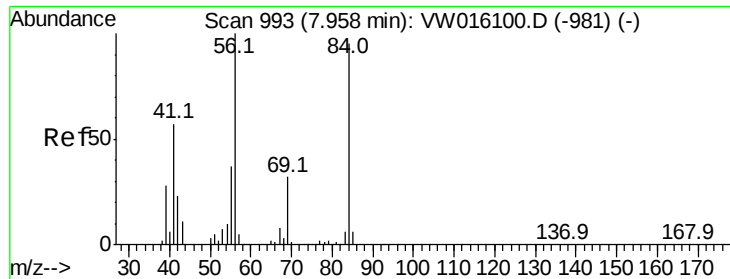
Tgt Ion: 62 Resp: 17161

Ion Ratio Lower Upper

62 100

98 8.5 7.7 11.5

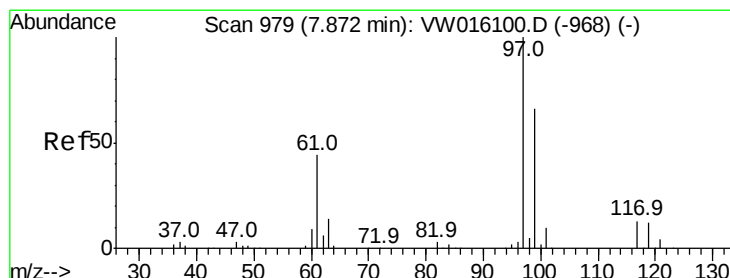
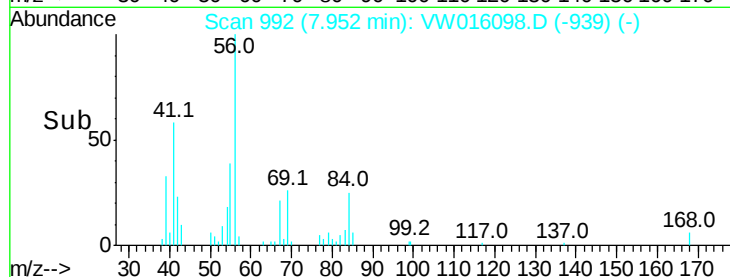
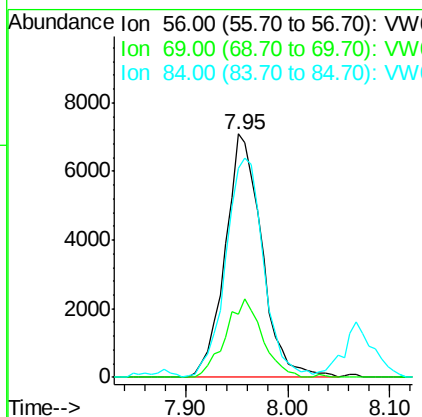
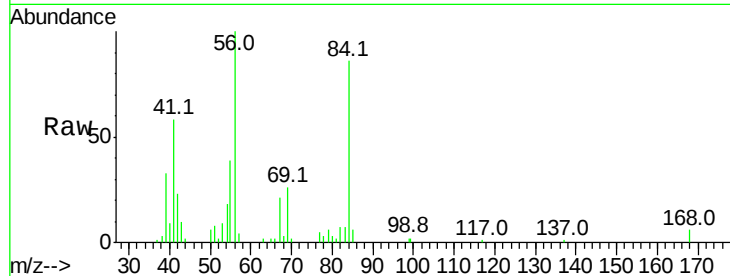




#30
Cyclohexane
Concen: 1.861 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

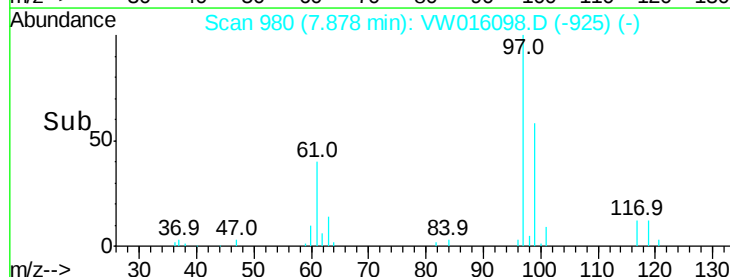
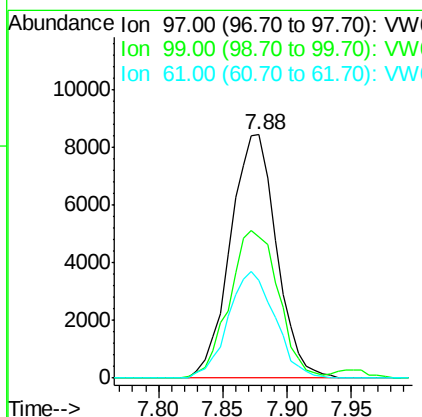
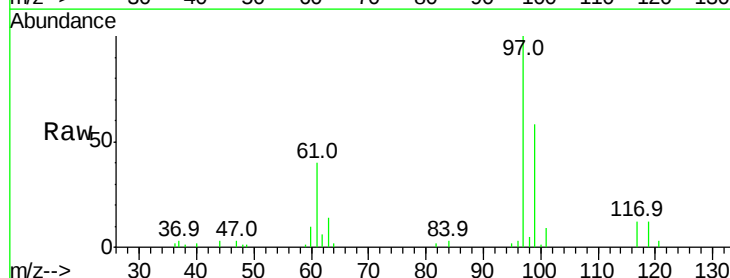
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

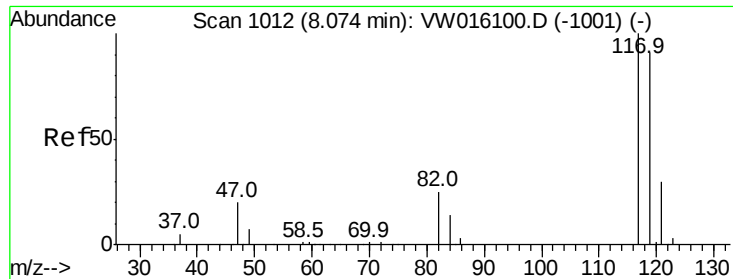
Tgt Ion: 56 Resp: 17597
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.0
84 93.0 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 2.399 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

Tgt Ion: 97 Resp: 21010
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 44.3 34.5 51.7





#32

Carbon tetrachloride

Concen: 2.545 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

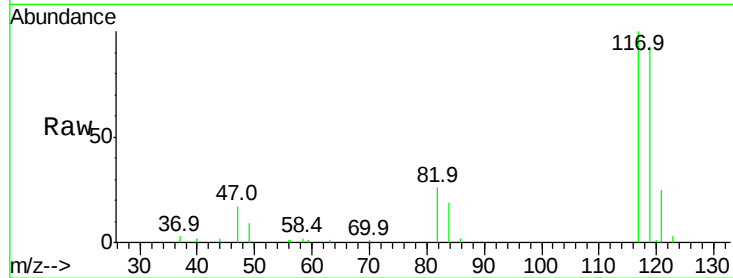
VSTD2.501

Tgt Ion:117 Resp: 20207

Ion Ratio Lower Upper

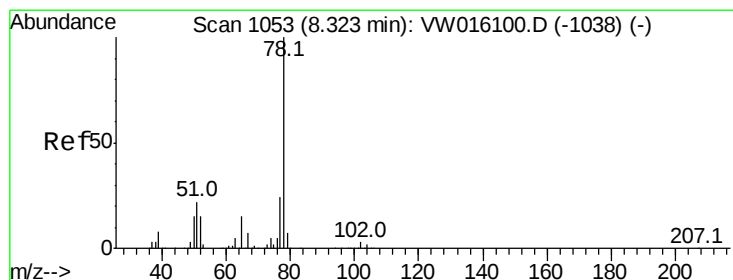
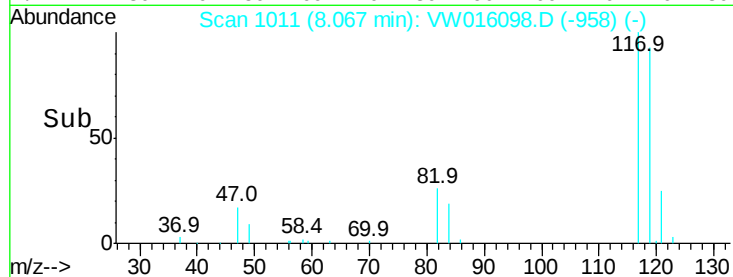
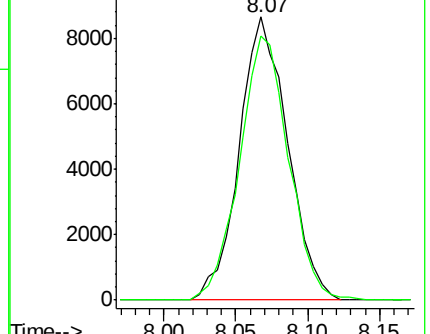
117 100

119 94.1 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.220 ug/L

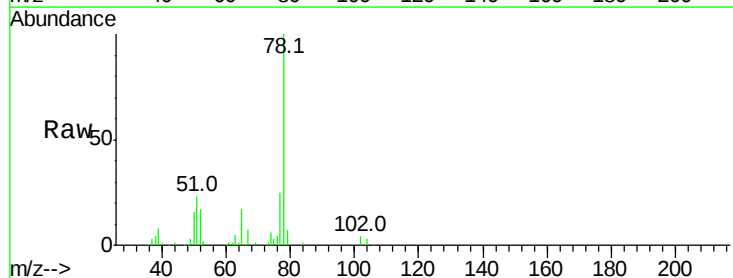
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

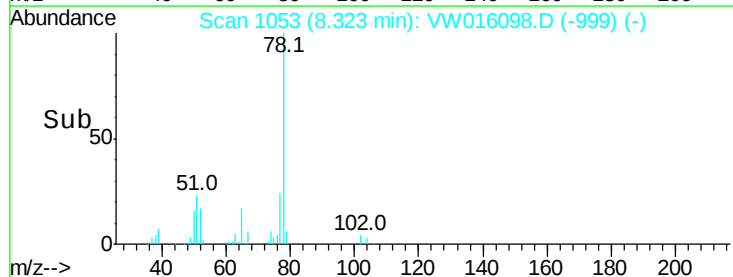
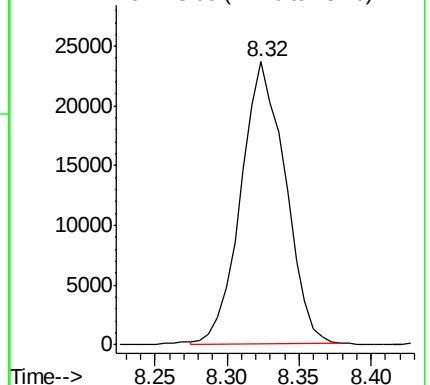
Lab File: VW016098.D

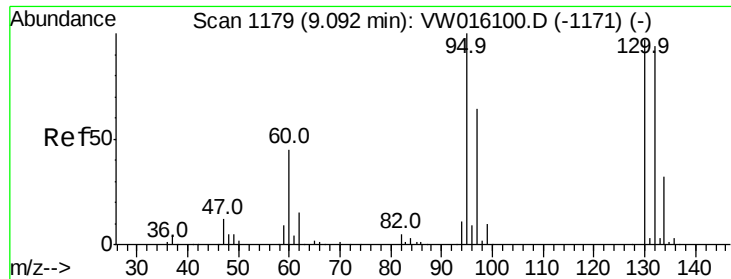
Acq: 10 Aug 2020 12:02

Tgt Ion: 78 Resp: 50568



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.364 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampled :

VSTD2.501

Tgt Ion: 95 Resp: 14245

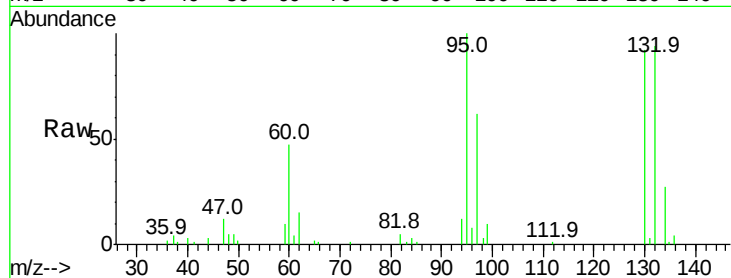
Ion Ratio Lower Upper

95 100

97 67.3 44.9 83.3

132 97.0 65.8 122.2

130 95.5 69.5 129.1



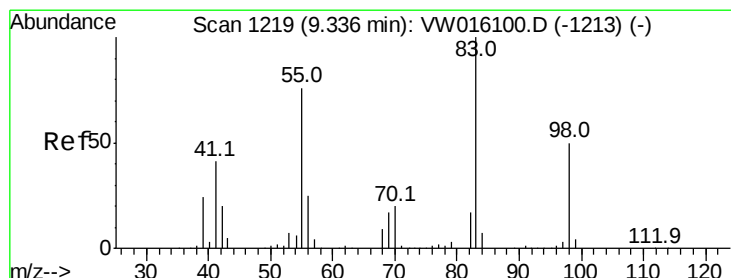
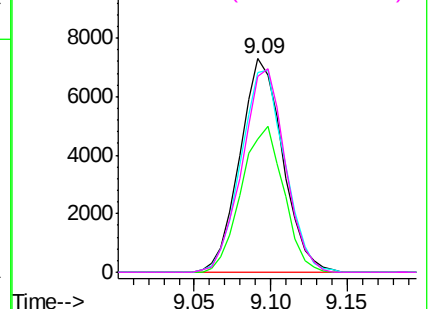
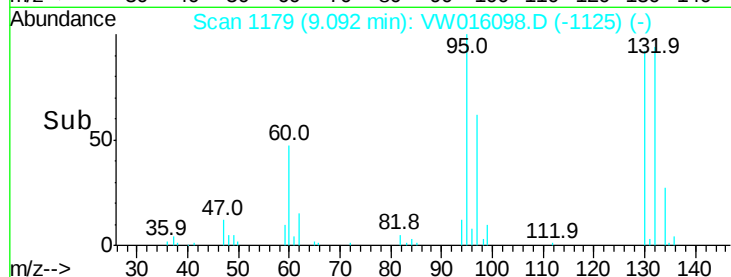
Abundance

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: 2.119 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

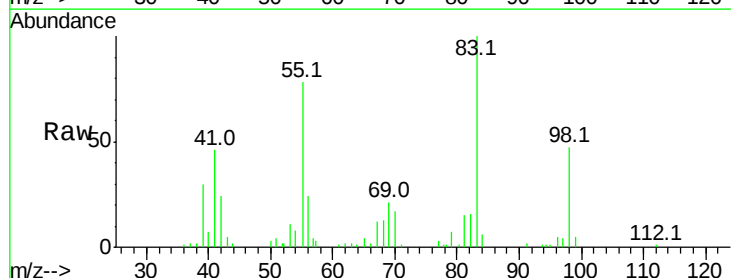
Tgt Ion: 83 Resp: 21907

Ion Ratio Lower Upper

83 100

55 76.9 60.7 91.1

98 48.1 39.4 59.0

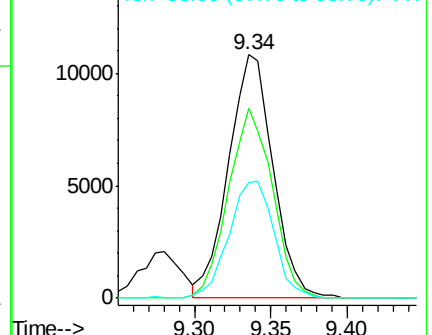
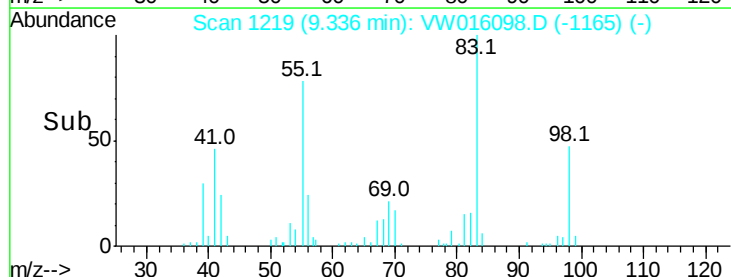


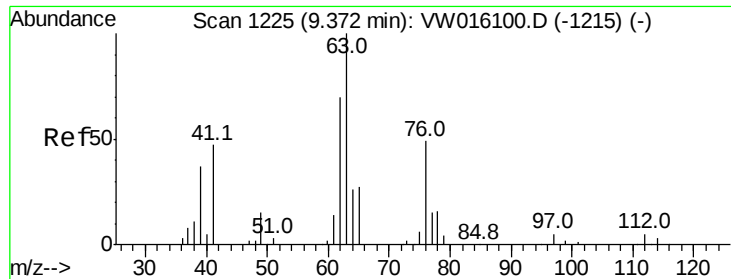
Abundance

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

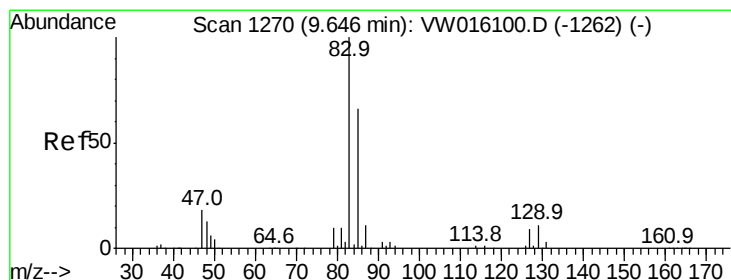
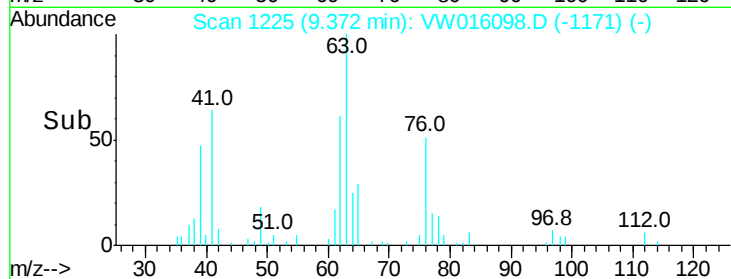
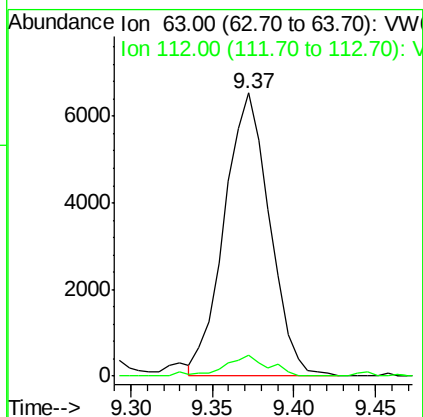
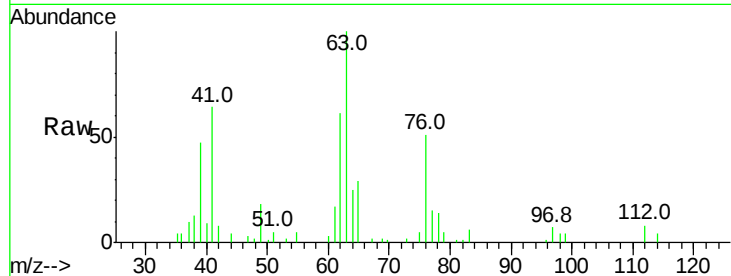




#40
 1,2-Dichloropropane
 Concen: 2.239 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

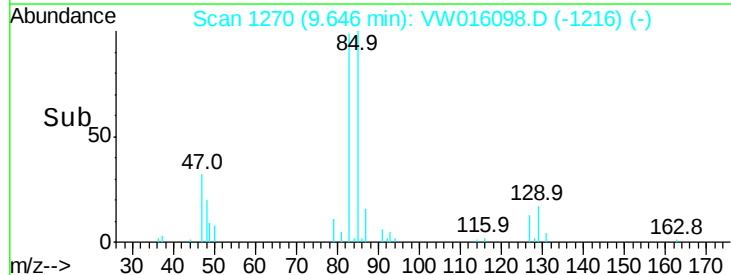
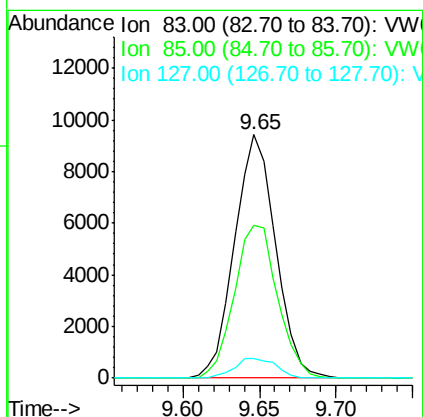
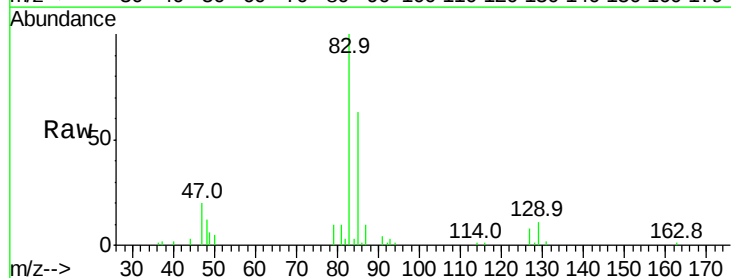
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

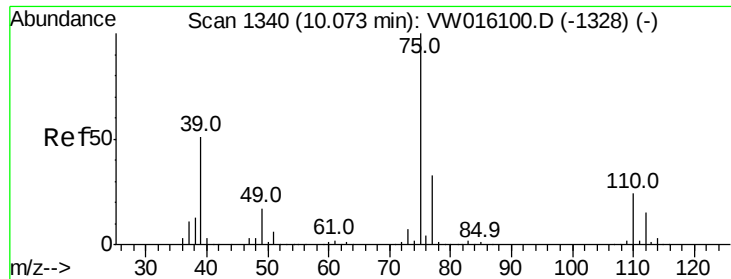
Tgt Ion: 63 Resp: 12633
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.0 6.0



#41
 Bromodichloromethane
 Concen: 2.410 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Tgt Ion: 83 Resp: 17564
 Ion Ratio Lower Upper
 83 100
 85 62.7 46.1 85.5
 127 8.3 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 1.966 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

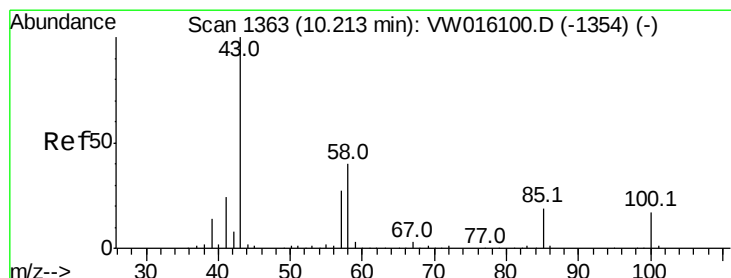
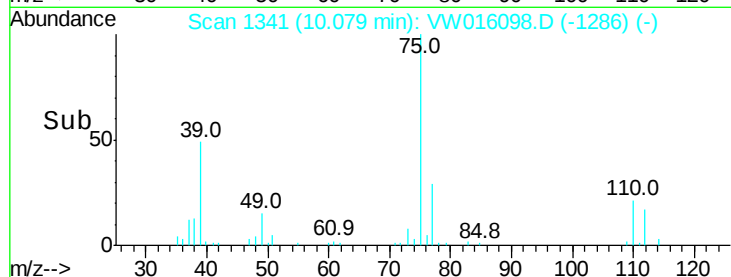
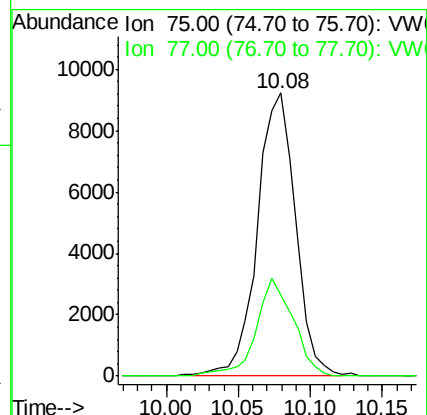
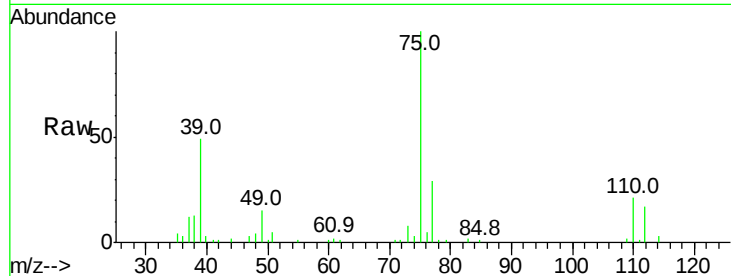
VSTD2.501

Tgt Ion: 75 Resp: 16895

Ion Ratio Lower Upper

75 100

77 28.6 22.9 42.5



#43

4-Methyl-2-pentanone

Concen: 4.192 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

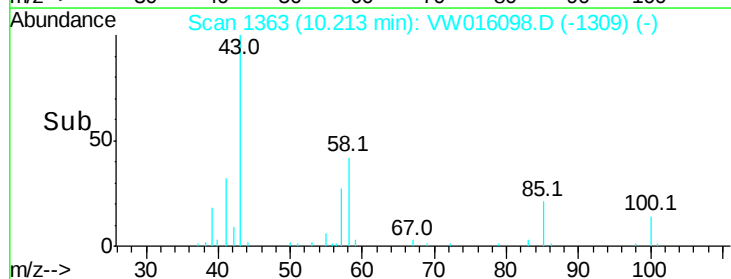
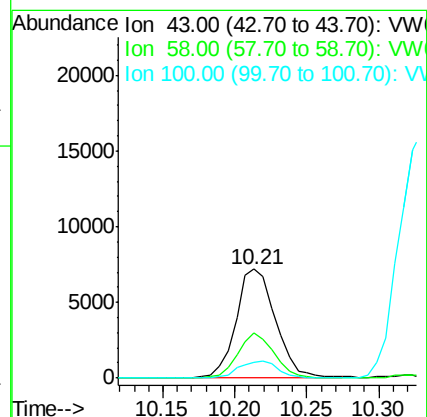
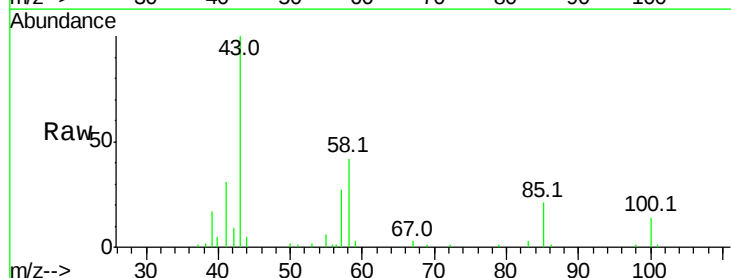
Tgt Ion: 43 Resp: 13804

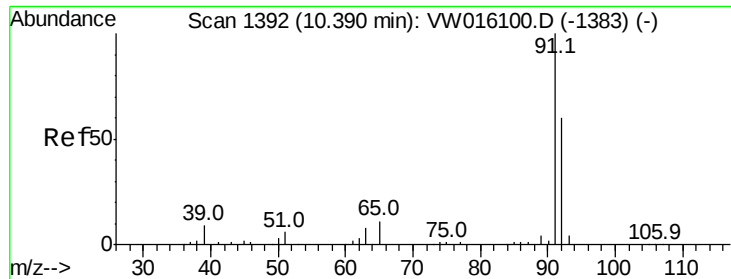
Ion Ratio Lower Upper

43 100

58 37.8 32.1 48.1

100 15.1 13.8 20.8





#44

Toluene

Concen: 2.175 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

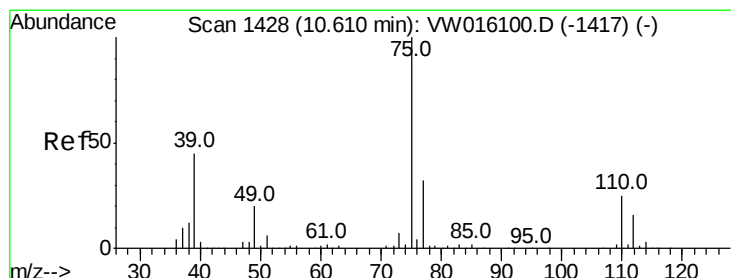
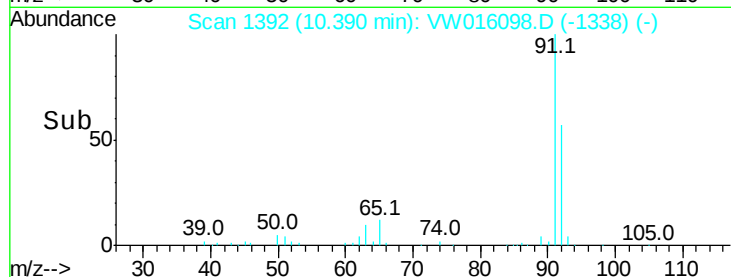
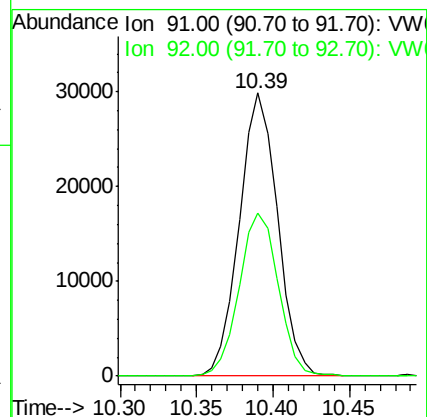
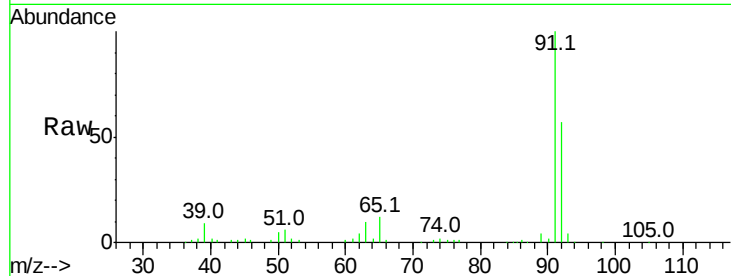
VSTD2.501

Tgt Ion: 91 Resp: 51954

Ion Ratio Lower Upper

91 100

92 57.5 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 2.144 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016098.D

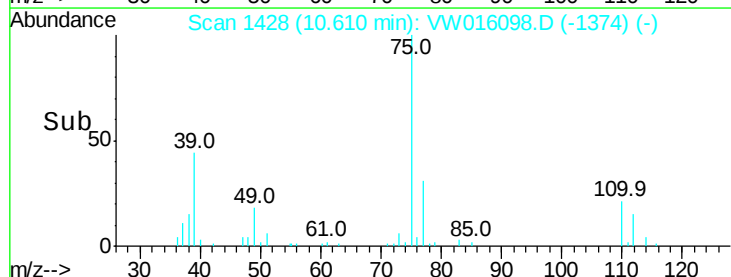
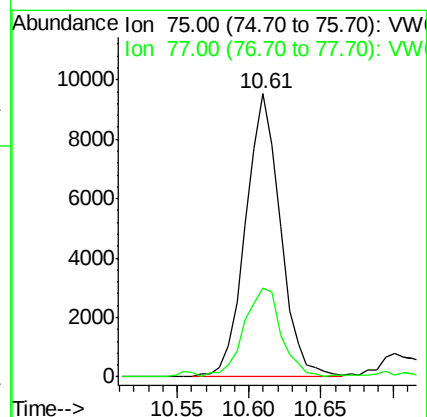
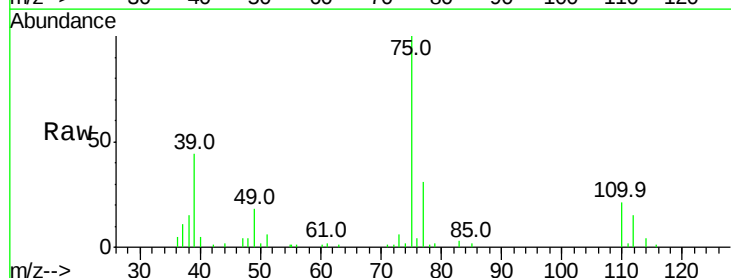
Acq: 10 Aug 2020 12:02

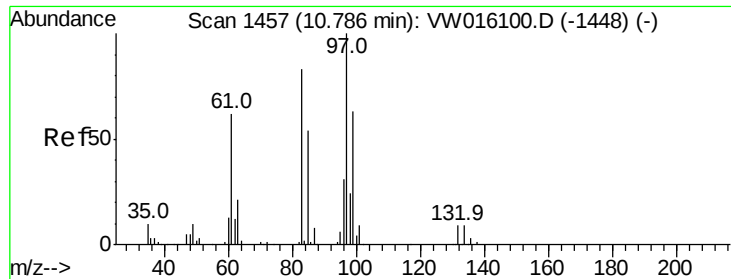
Tgt Ion: 75 Resp: 15966

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1

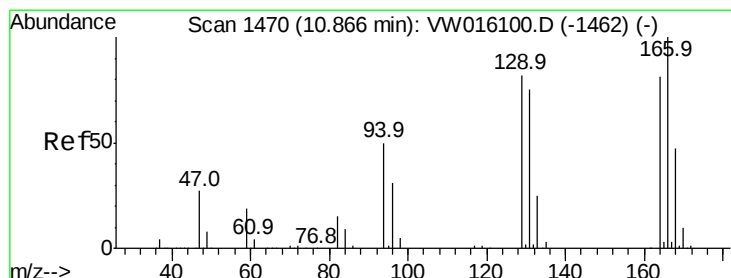
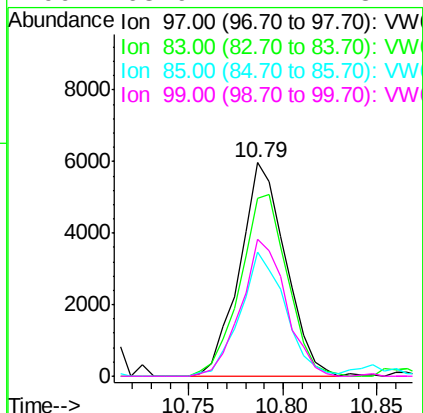
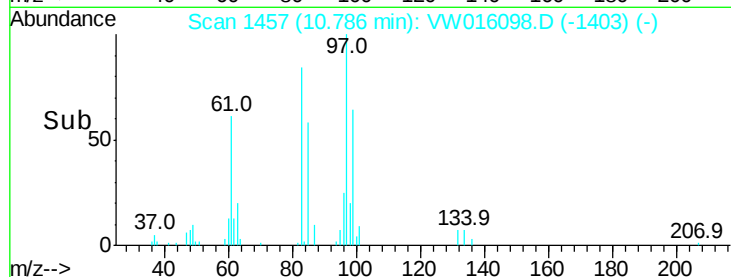
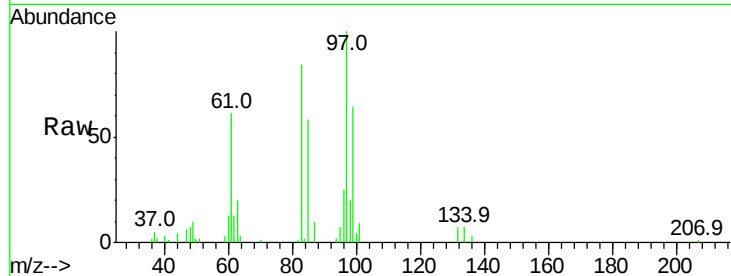




#46
 1,1,2-Trichloroethane
 Concen: 2.487 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

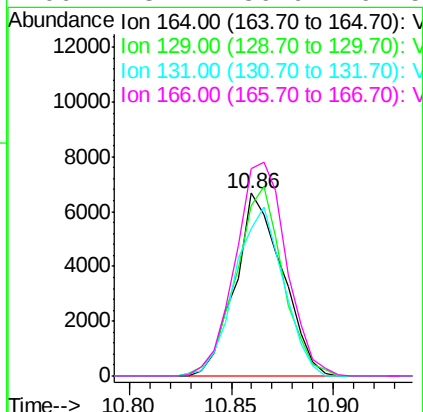
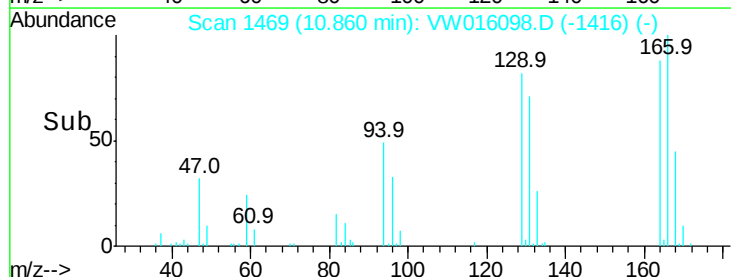
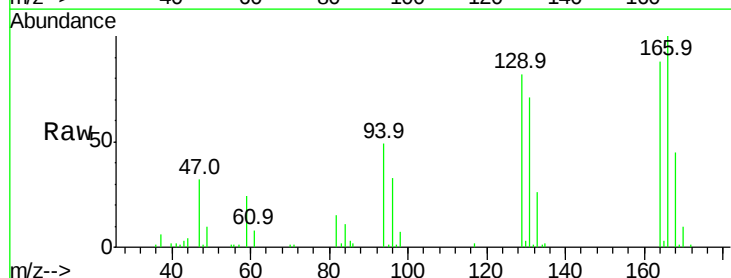
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

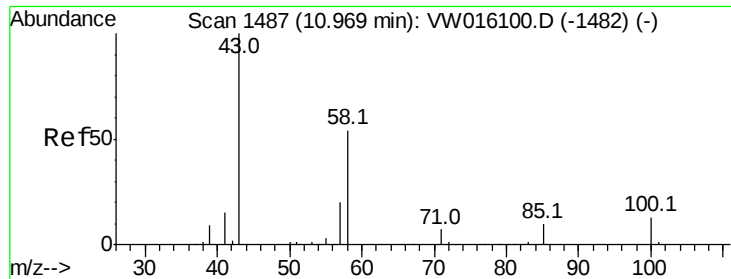
Tgt Ion:	97	Resp:	10090
Ion	Ratio	Lower	Upper
97	100		
83	83.5	57.8	107.4
85	58.3	38.0	70.6
99	63.9	44.4	82.4



#47
 Tetrachloroethene
 Concen: 2.304 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Tgt Ion:	164	Resp:	10773
Ion	Ratio	Lower	Upper
164	100		
129	93.2	71.5	132.9
131	80.4	65.4	121.4
166	113.4	86.9	161.5





#49

2-Hexanone

Concen: 3.742 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 43 Resp: 8745

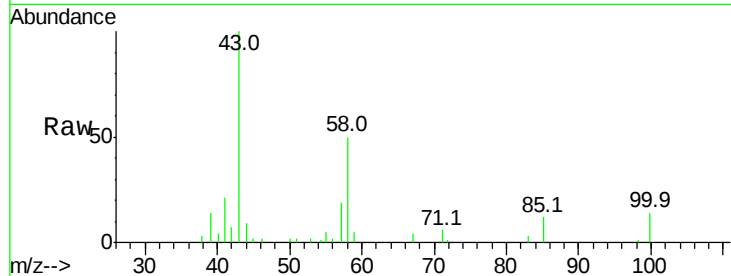
Ion Ratio Lower Upper

43 100

58 55.2 44.2 66.2

57 18.7 15.8 23.6

100 14.4 10.8 16.2

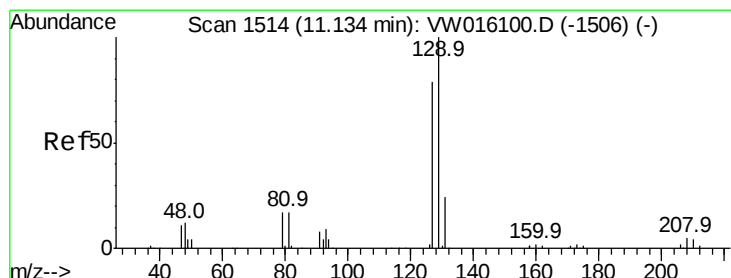
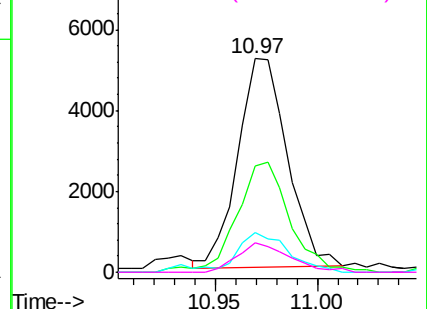
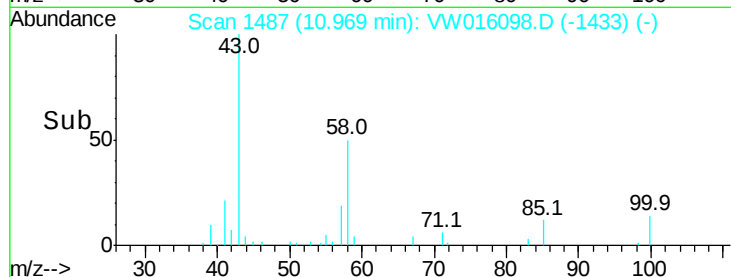


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.379 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016098.D

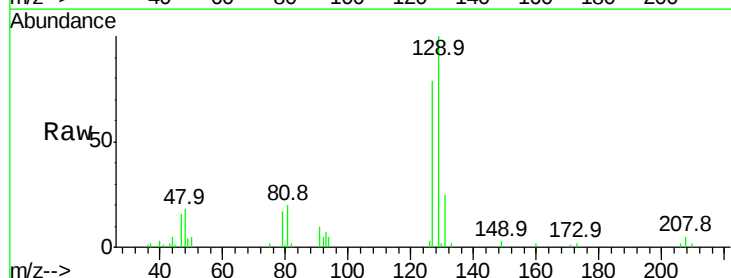
Acq: 10 Aug 2020 12:02

Tgt Ion: 129 Resp: 11173

Ion Ratio Lower Upper

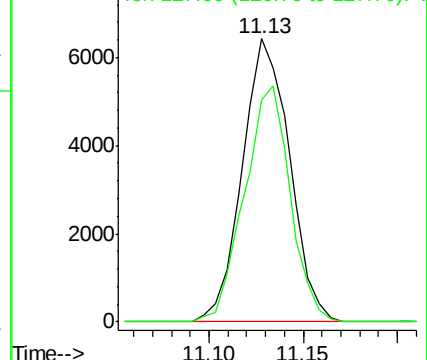
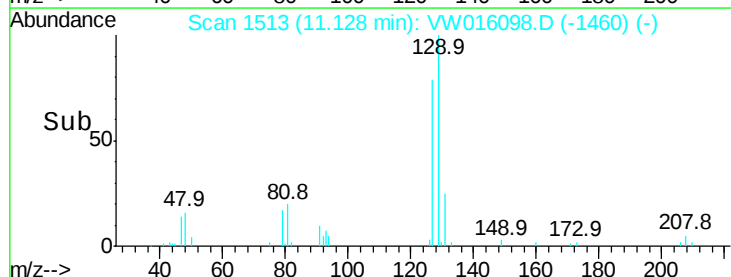
129 100

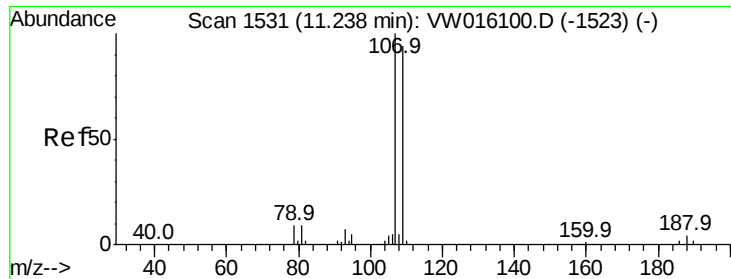
127 78.5 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

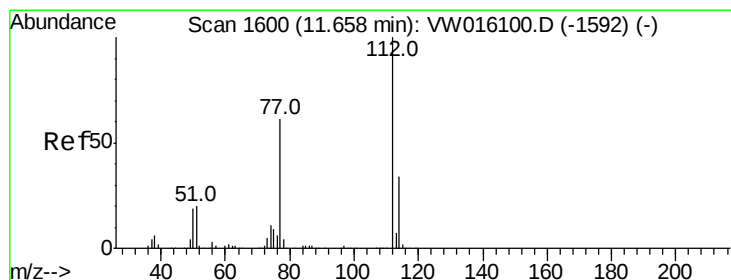
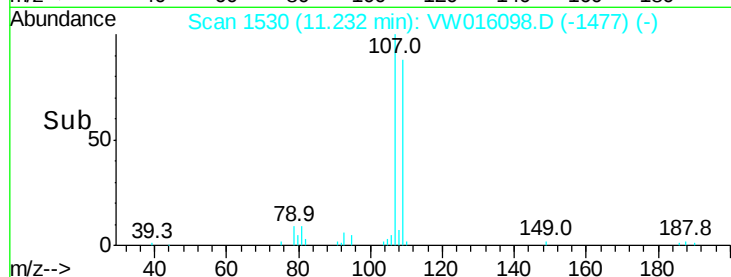
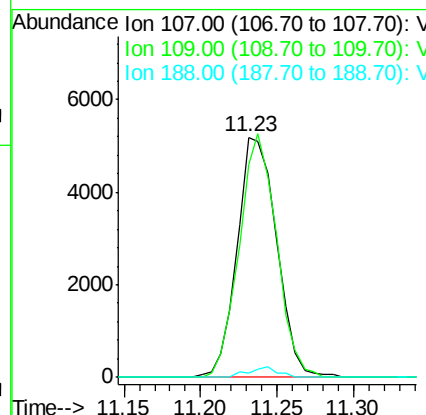
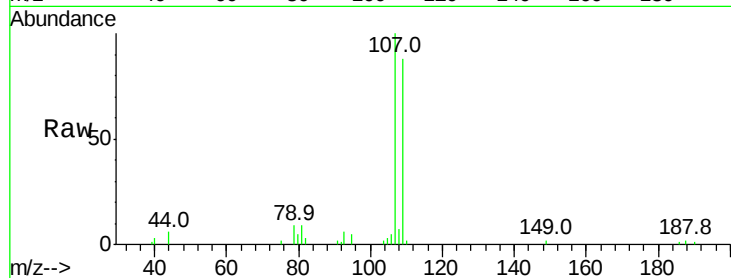




#51
 1,2-Dibromoethane
 Concen: 2.403 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

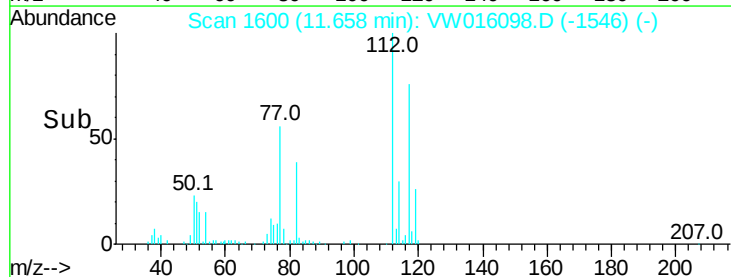
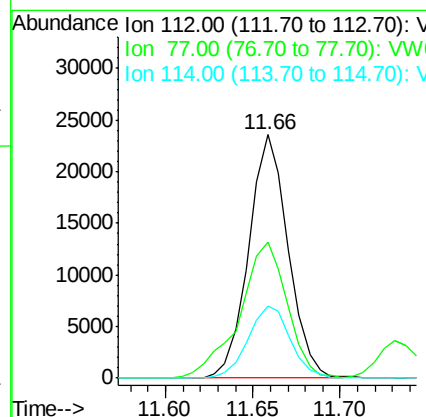
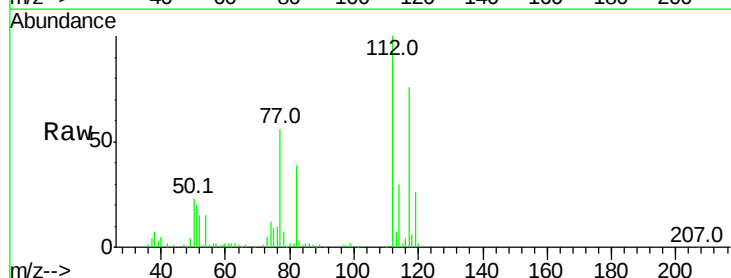
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

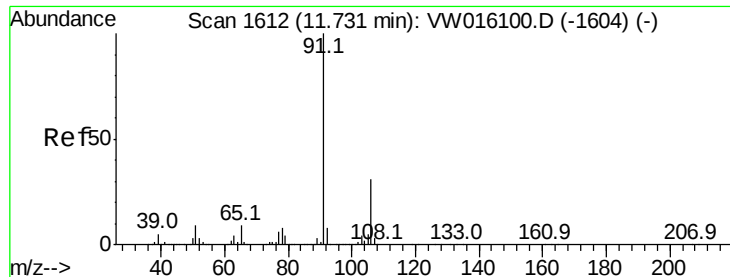
Tgt Ion:107 Resp: 9327
 Ion Ratio Lower Upper
 107 100
 109 88.5 66.0 122.6
 188 2.0 2.8 4.2#



#52
 Chlorobenzene
 Concen: 2.421 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Tgt Ion:112 Resp: 37059
 Ion Ratio Lower Upper
 112 100
 77 56.1 49.1 73.7
 114 29.5 23.5 43.7





#53

Ethylbenzene

Concen: 2.175 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

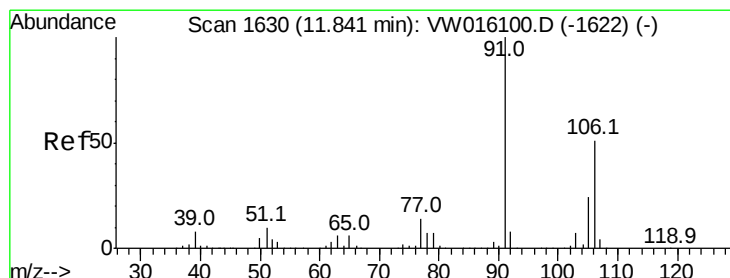
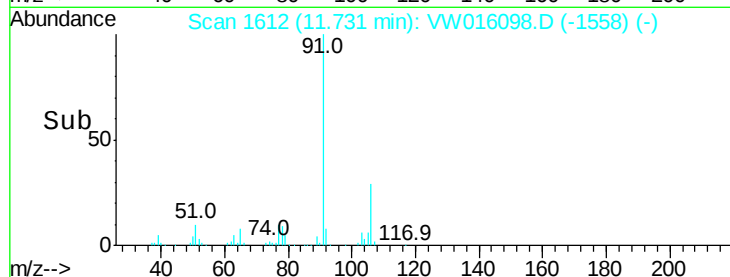
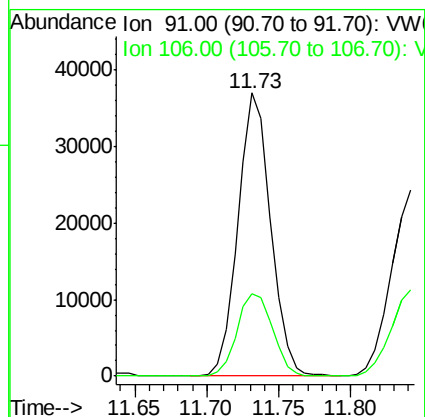
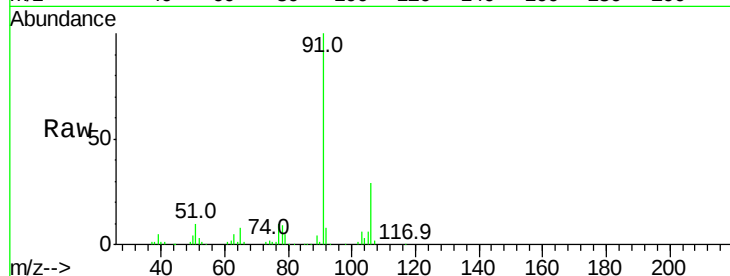
VSTD2.501

Tgt Ion: 91 Resp: 58436

Ion Ratio Lower Upper

91 100

106 29.2 21.8 40.4



#54

m,p-Xylene

Concen: 2.138 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016098.D

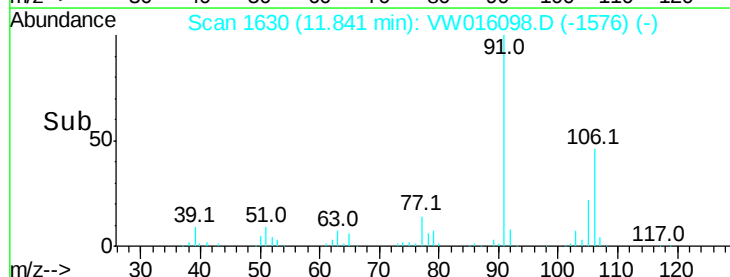
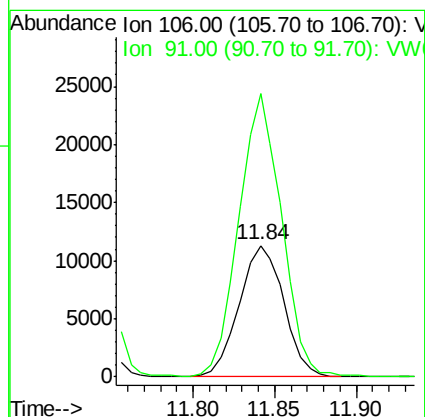
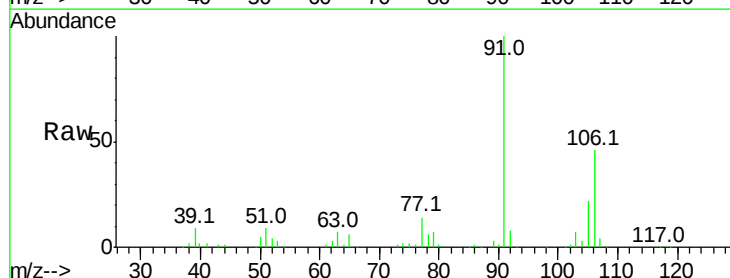
Acq: 10 Aug 2020 12:02

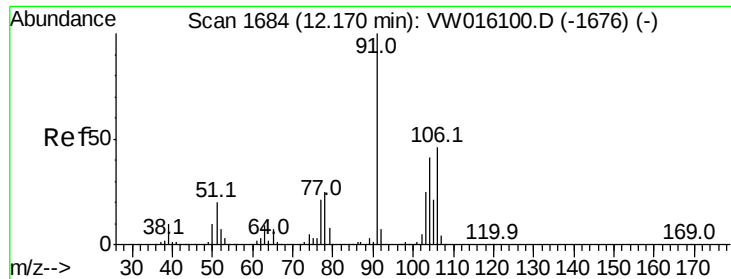
Tgt Ion: 106 Resp: 21485

Ion Ratio Lower Upper

106 100

91 215.8 136.4 253.2

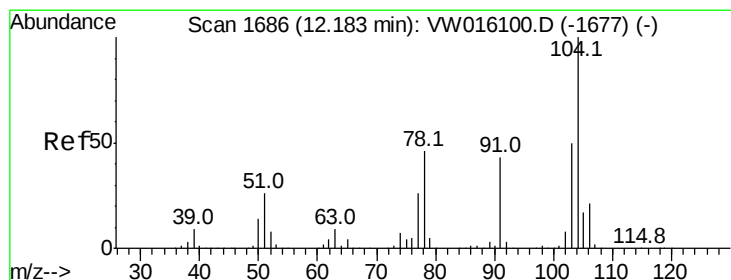
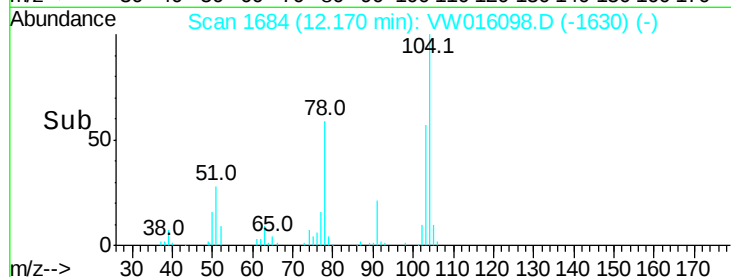
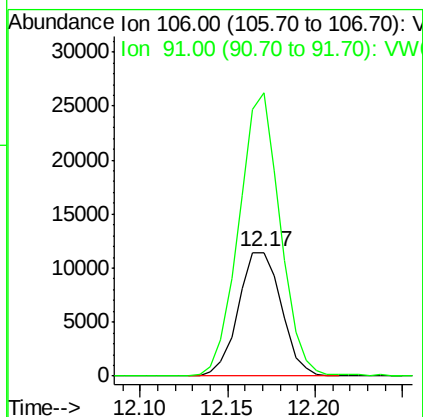
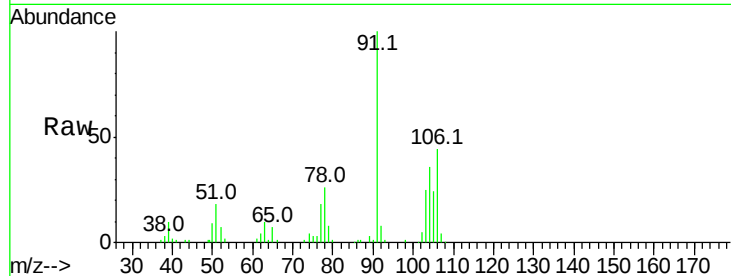




#55
o-xylene
Concen: 2.078 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

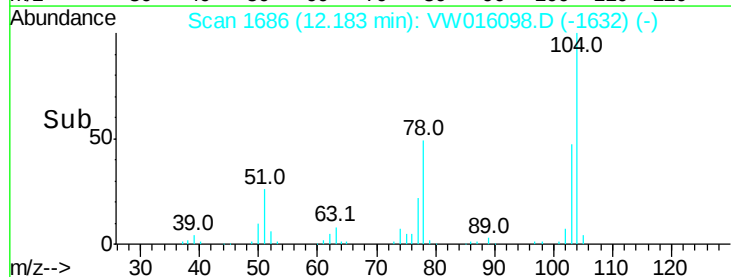
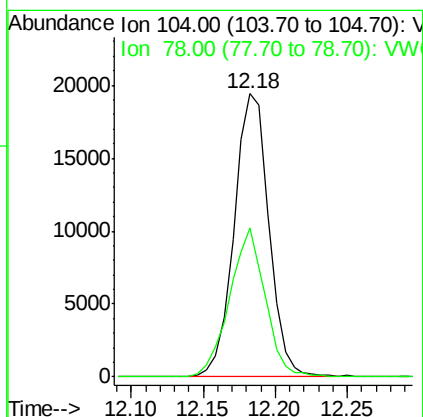
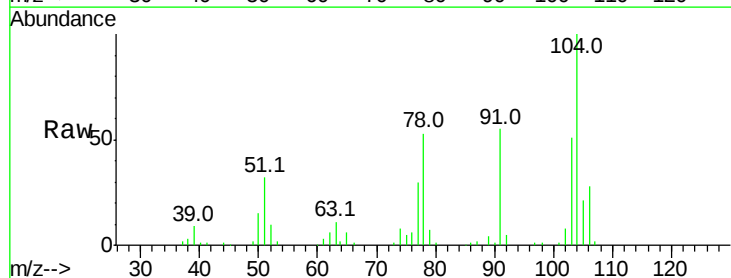
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

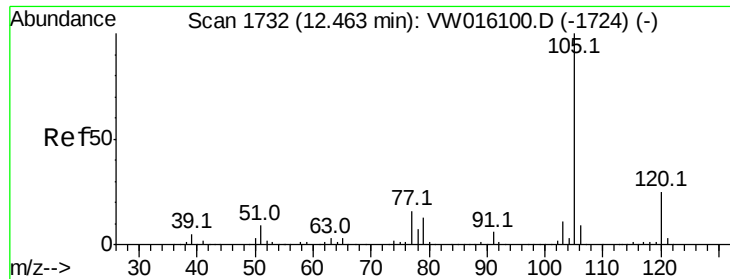
Tgt Ion:106 Resp: 19663
Ion Ratio Lower Upper
106 100
91 228.3 151.3 281.1



#56
Styrene
Concen: 2.029 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016098.D
Acq: 10 Aug 2020 12:02

Tgt Ion:104 Resp: 32649
Ion Ratio Lower Upper
104 100
78 52.6 32.0 59.4





#57

Isopropylbenzene

Concen: 2.051 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

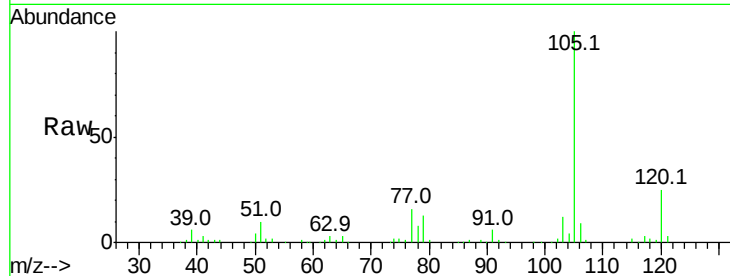
Tgt Ion: 105 Resp: 52822

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

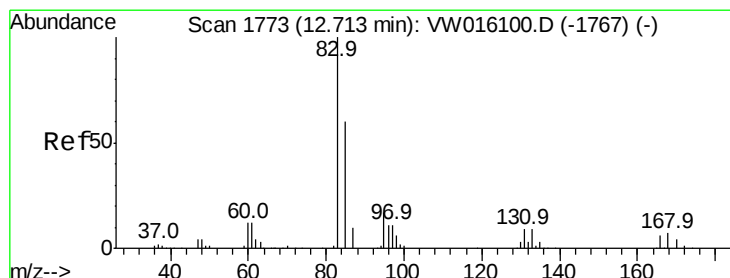
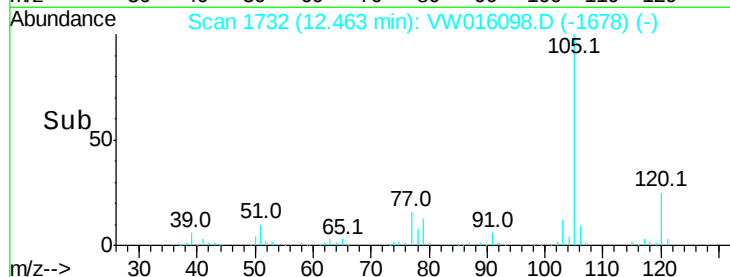
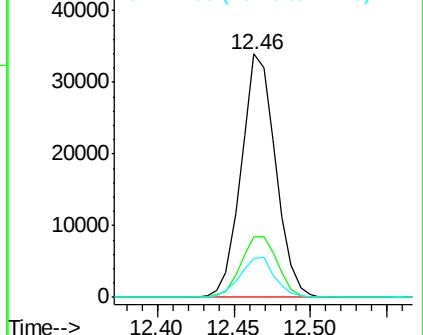
77 16.7 12.6 18.8



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: 2.465 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

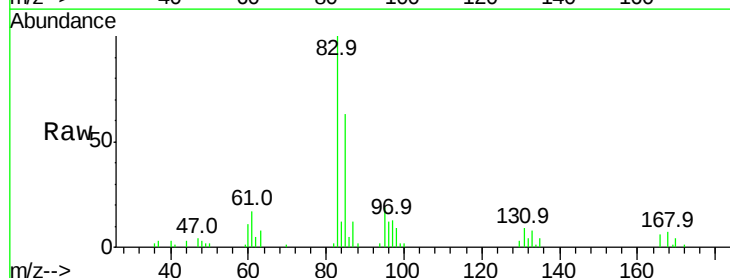
Tgt Ion: 83 Resp: 11742

Ion Ratio Lower Upper

83 100

85 63.4 42.4 78.8

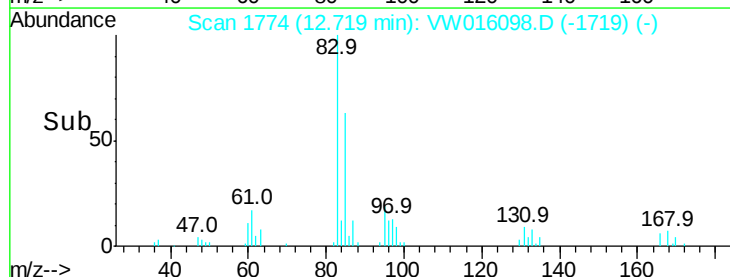
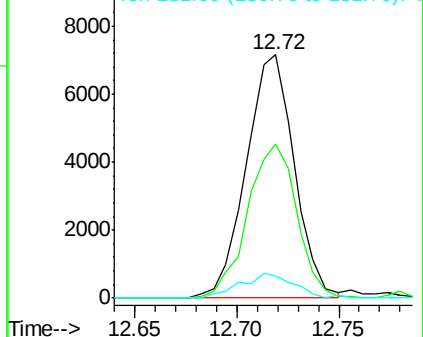
131 9.4 7.8 11.8

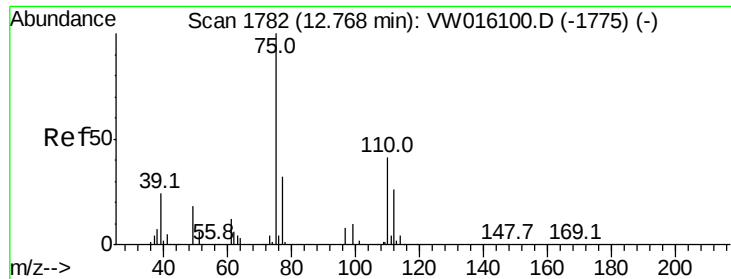


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.543 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

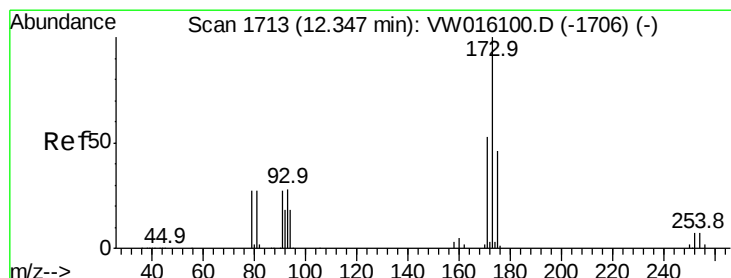
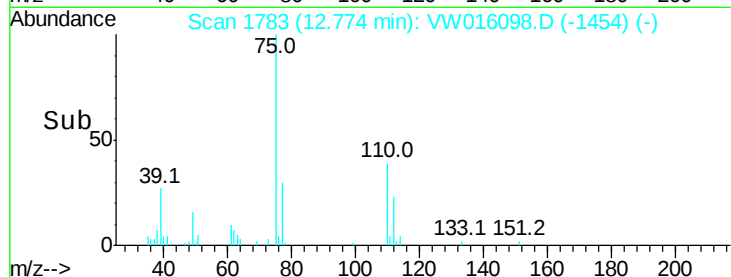
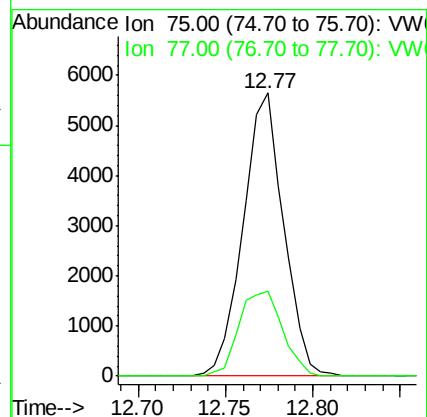
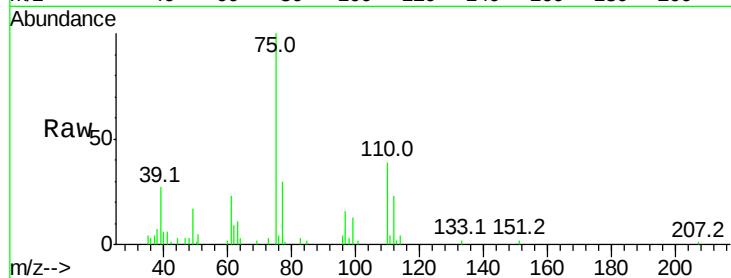
VSTD2.501

Tgt Ion: 75 Resp: 9078

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 2.415 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

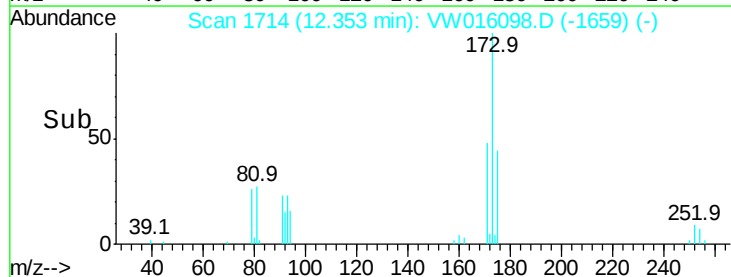
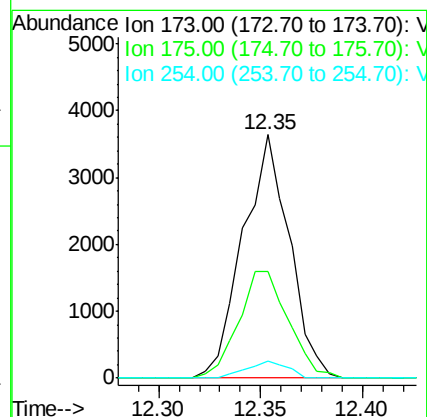
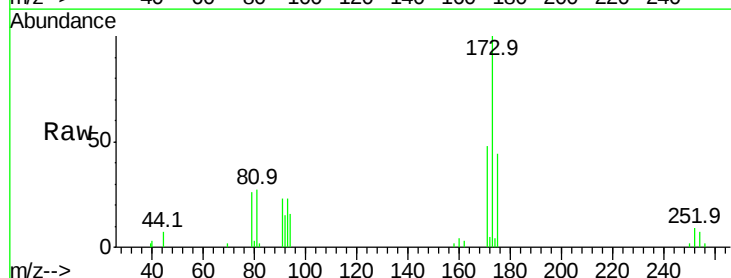
Tgt Ion: 173 Resp: 5760

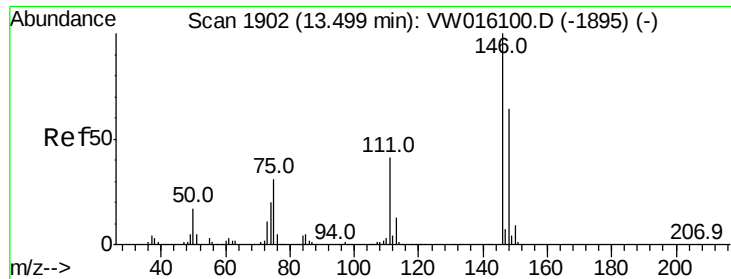
Ion Ratio Lower Upper

173 100

175 47.1 37.8 56.6

254 6.0 6.8 10.2#

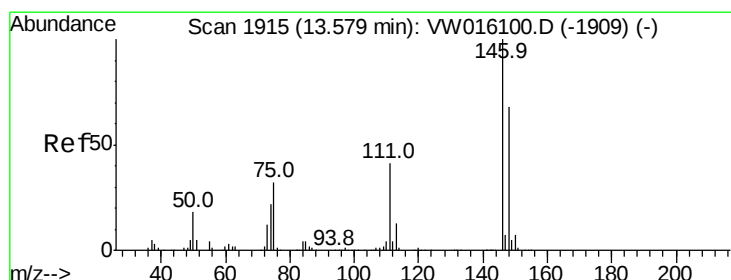
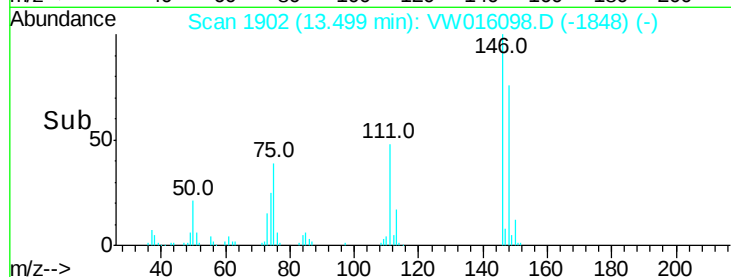
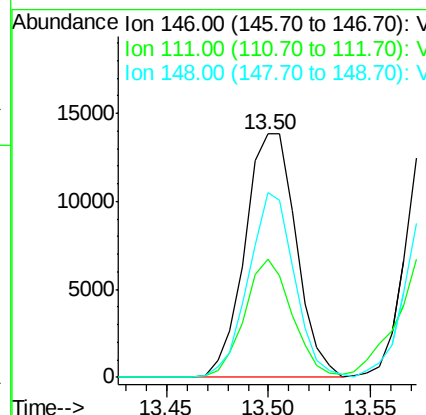
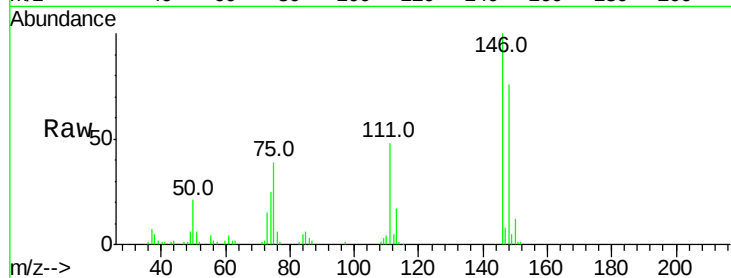




#63
 1,3-Dichlorobenzene
 Concen: 2.327 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

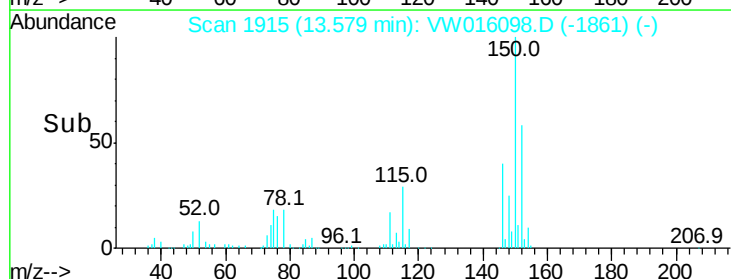
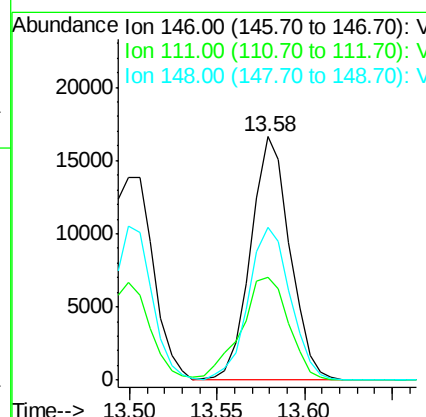
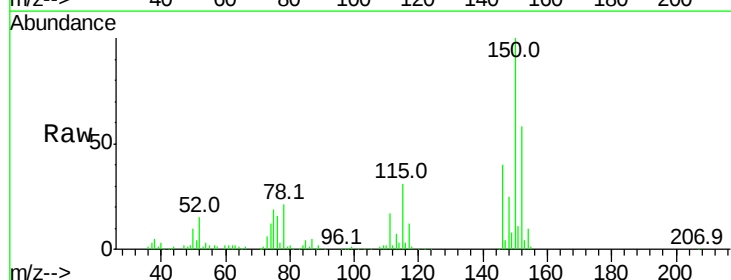
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

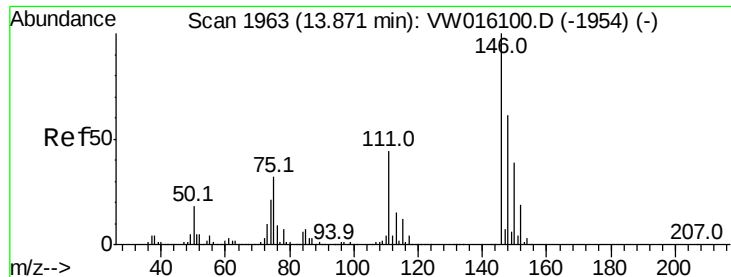
Tgt Ion:146 Resp: 24142
 Ion Ratio Lower Upper
 146 100
 111 48.5 28.9 53.7
 148 76.0 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 2.465 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Tgt Ion:146 Resp: 25961
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.6 53.2
 148 62.9 47.7 88.5





#65

1,2-Dichlorobenzene

Concen: 2.437 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

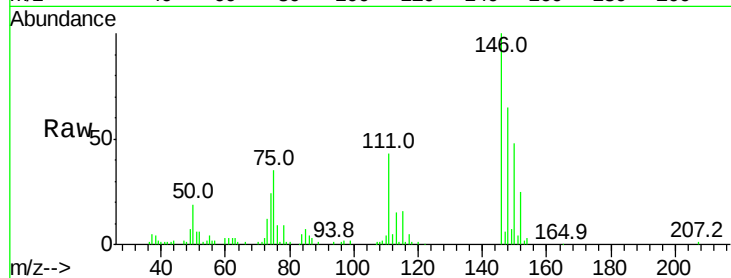
Tgt Ion:146 Resp: 22974

Ion Ratio Lower Upper

146 100

111 42.6 35.3 52.9

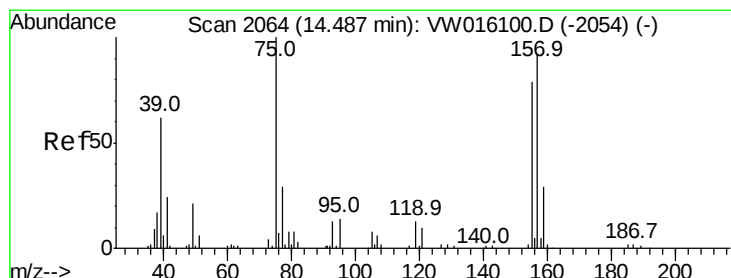
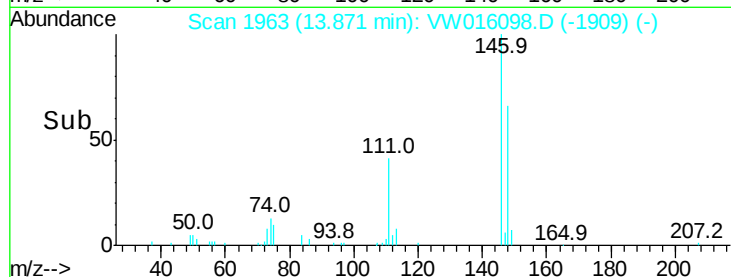
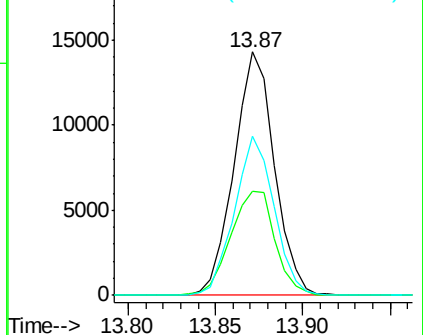
148 65.2 49.0 73.4



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: 3.111 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

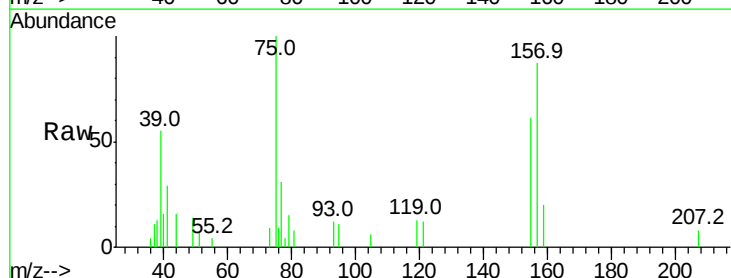
Tgt Ion: 75 Resp: 2207

Ion Ratio Lower Upper

75 100

157 86.5 73.9 110.9

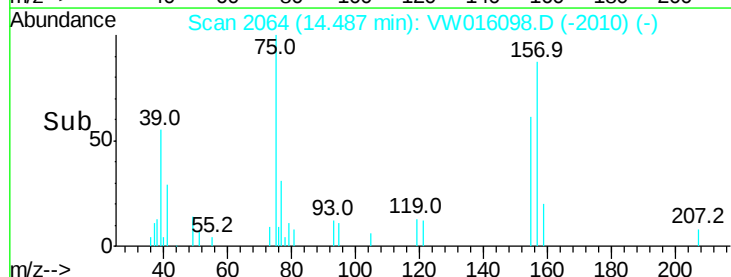
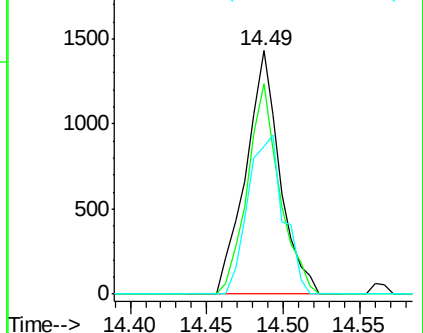
155 60.8 63.4 95.2#

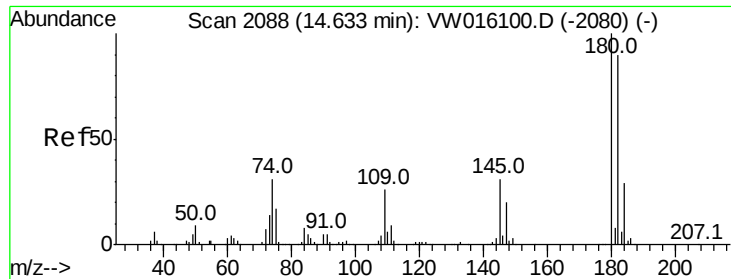


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

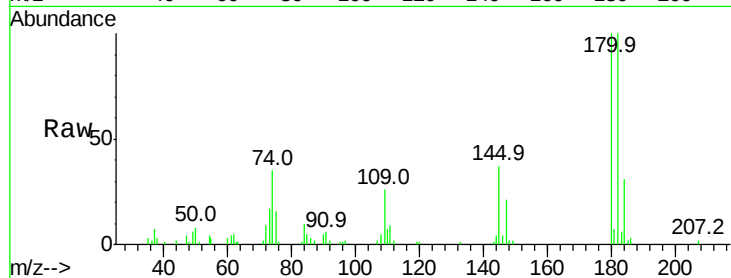




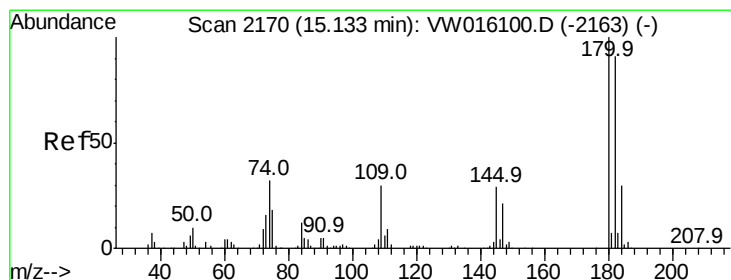
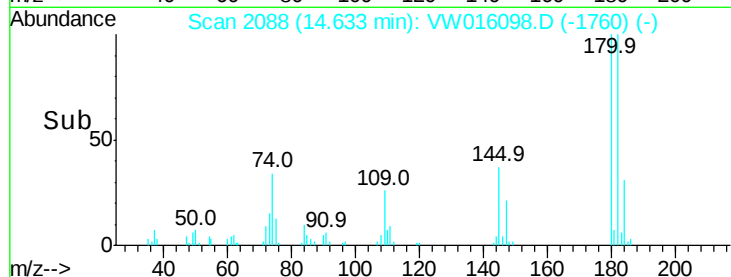
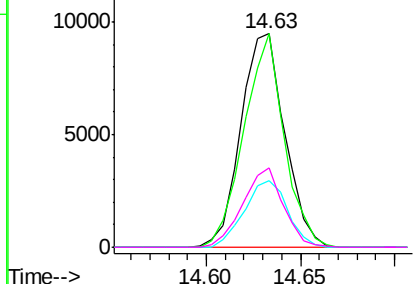
#67
 1,3,5-Trichlorobenzene
 Concen: 2.099 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion:	180	Resp:	15317
Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.3	114.5
184	30.6	25.1	37.7
145	34.4	26.9	40.3

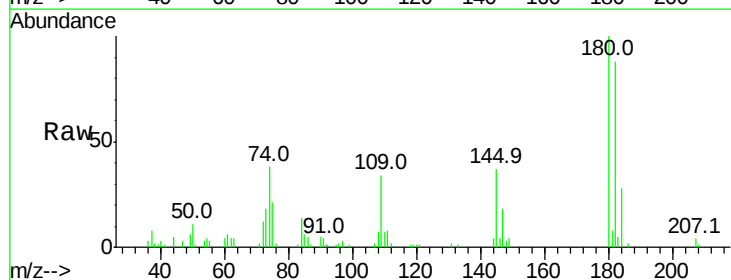


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

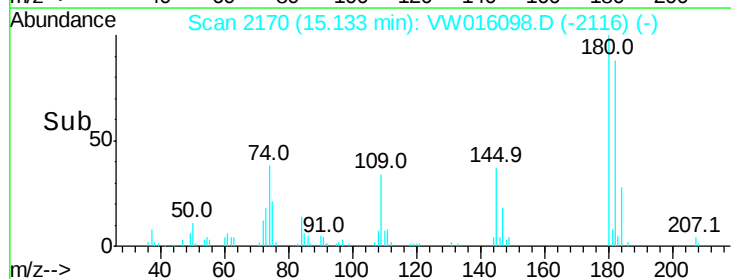
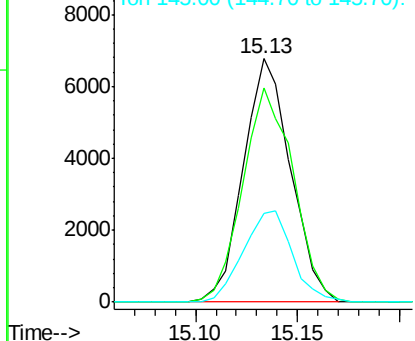


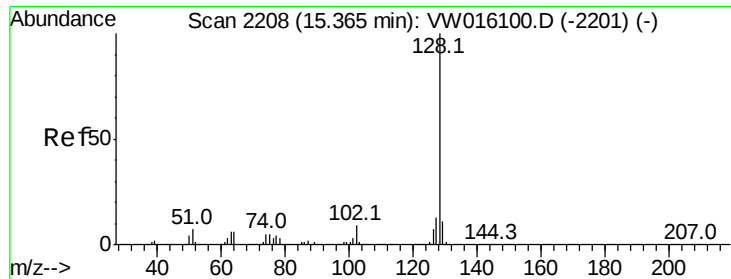
#68
 1,2,4-trichlorobenzene
 Concen: 1.886 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016098.D
 Acq: 10 Aug 2020 12:02

Tgt Ion:	180	Resp:	10930
Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.8	116.8
145	38.7	26.5	39.7



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: 1.927 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

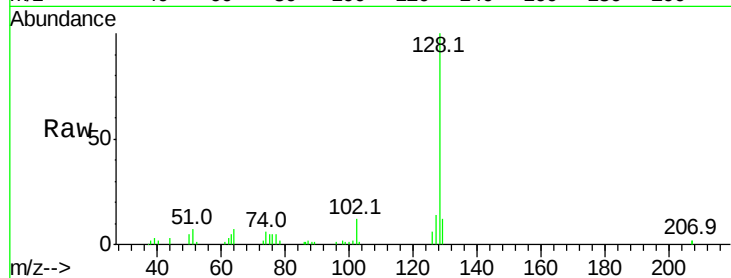
Tgt Ion:128 Resp: 21037

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

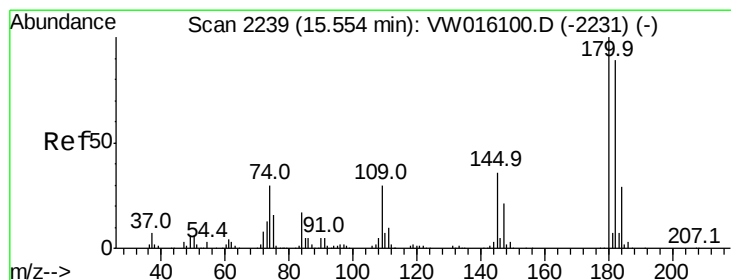
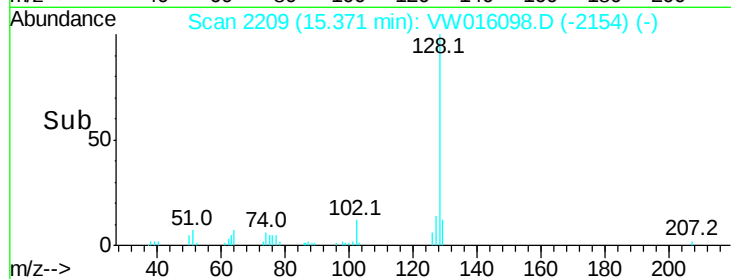
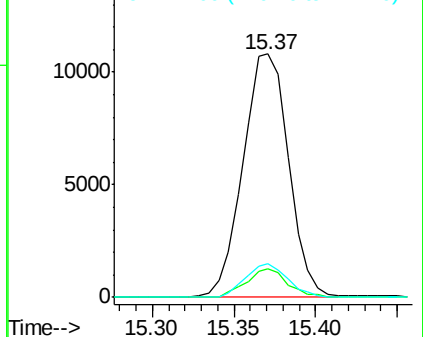
127 12.6 10.3 15.5



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: 2.060 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016098.D

Acq: 10 Aug 2020 12:02

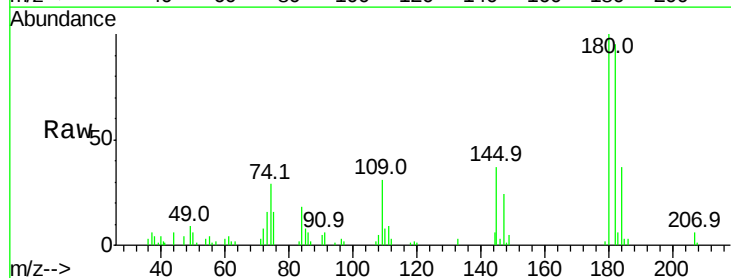
Tgt Ion:180 Resp: 10638

Ion Ratio Lower Upper

180 100

182 92.0 76.0 114.0

145 35.1 29.9 44.9



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

