

Data File : VW016101.D
Acq On : 10 Aug 2020 13:14
Operator : SY/VA
Sample : VSTD050
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Aug 10 13:47:02 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	8.84	114	422249	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	389985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180861	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	235298	39.49	ug/L	0.00
7) Chloroethane-d5	2.89	69	189769	39.22	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	541854	44.98	ug/L	0.00
20) 2-Butanone-d5	7.08	46	141867	90.64	ug/L	0.00
24) Chloroform-d	7.65	84	551038	46.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	295234	45.35	ug/L	0.00
29) Benzene-d6	8.27	84	1065324	44.88	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	308939	43.41	ug/L	0.00
37) Toluene-d8	10.32	98	1003530	46.67	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	145634	48.01	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	119494	100.84	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	252333	46.13	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	325348	46.13	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	213887	59.862	ug/L	98
3) Chloromethane	2.21	50	215908	49.963	ug/L	97
5) Vinyl chloride	2.37	62	281406	42.221	ug/L	99
6) Bromomethane	2.78	94	178794	44.965	ug/L	99
8) Chloroethane	2.92	64	162148	41.529	ug/L	97
9) Trichlorofluoromethane	3.26	101	208428	46.524	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	284445	51.940	ug/L	99
12) 1,1-Dichloroethene	4.03	96	281052	51.779	ug/L	94
13) Acetone	4.12	43	96675	73.553	ug/L	97
14) Carbon disulfide	4.38	76	877655	51.198	ug/L	99
15) Methyl Acetate	4.67	43	125018	50.446	ug/L	99
16) Methylene chloride	4.92	84	286529	41.412	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	406562	52.968	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	299926	52.326	ug/L	93
19) 1,1-Dichloroethane	6.21	63	514061	48.668	ug/L	99
21) 2-Butanone	7.18	43	161234	99.202	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	320058	53.371	ug/L	97
23) Bromochloromethane	7.51	128	140186	53.310	ug/L	98
25) Chloroform	7.68	83	546569	52.211	ug/L	99
27) 1,2-Dichloroethane	8.40	62	356429	50.038	ug/L	99
30) Cyclohexane	7.95	56	468853	47.680	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	461770	50.710	ug/L	100
32) Carbon tetrachloride	8.07	117	443862	53.753	ug/L	100
34) Benzene	8.32	78	1190405	50.257	ug/L	100
35) Trichloroethene	9.09	95	312371	49.854	ug/L	99
36) Methylcyclohexane	9.34	83	536326	49.885	ug/L	99
40) 1,2-Dichloropropane	9.37	63	285641	48.680	ug/L	100
41) Bromodichloromethane	9.65	83	392578	51.806	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	466598	52.211	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	358098	104.555	ug/L	100

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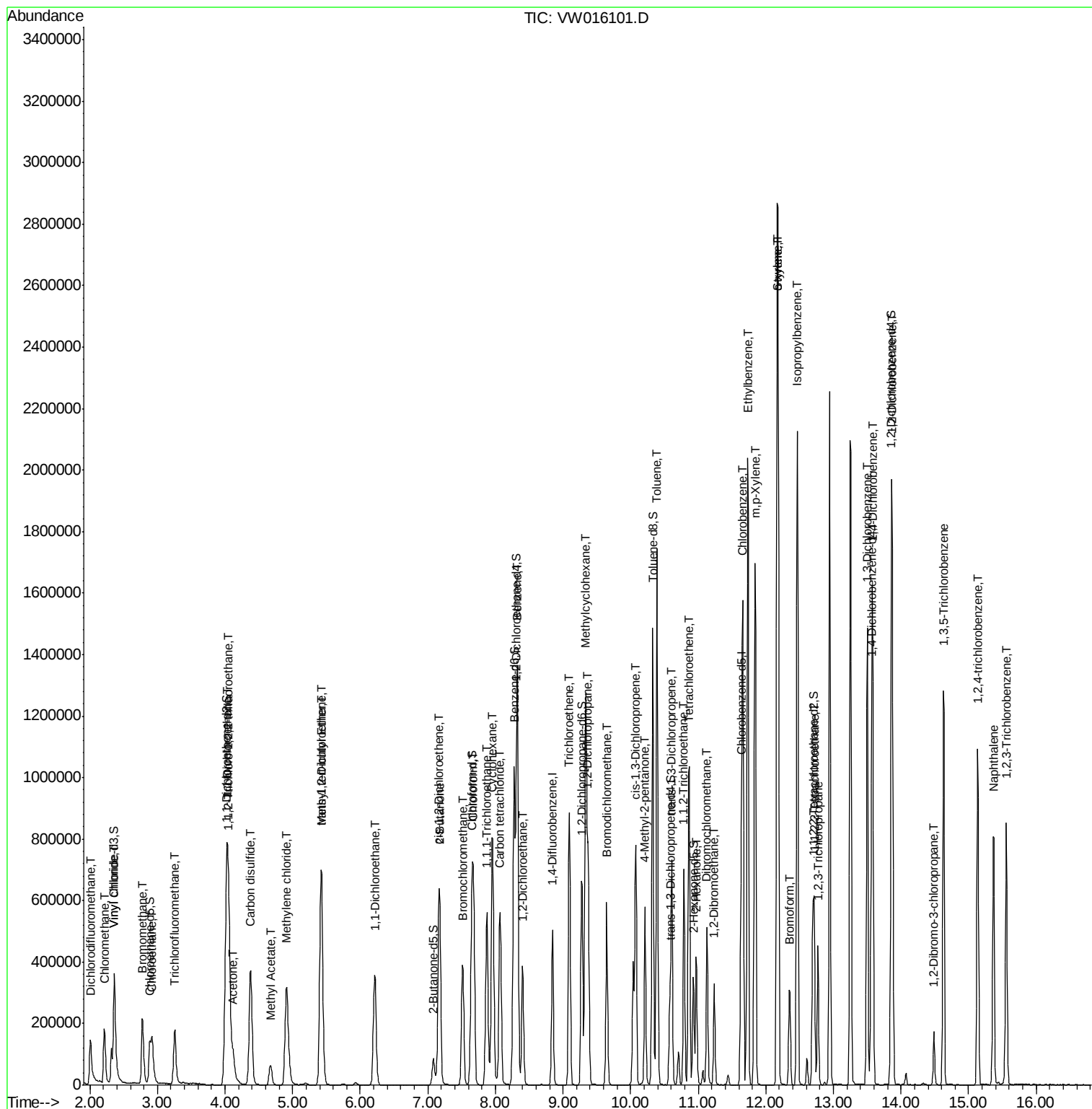
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1263781	50.872	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	411684	53.147	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	221061	52.390	ug/L	98
47) Tetrachloroethene	10.87	164	225458	46.357	ug/L	92
49) 2-Hexanone	10.97	43	246619	101.469	ug/L	98
50) Dibromochloromethane	11.13	129	278282	56.965	ug/L	97
51) 1,2-Dibromoethane	11.24	107	217053	53.772	ug/L	100
52) Chlorobenzene	11.66	112	806085	50.638	ug/L	96
53) Ethylbenzene	11.73	91	1439652	51.536	ug/L	97
54) m,p-Xylene	11.84	106	552405	52.855	ug/L	96
55) o-xylene	12.17	106	524527	53.299	ug/L	99
56) Styrene	12.18	104	908004	54.255	ug/L	98
57) Isopropylbenzene	12.47	105	1396707	52.136	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	259517	52.377	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	194064	52.274	ug/L	100
62) Bromoform	12.35	173	144050	54.142	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	597344	51.605	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	592144	50.404	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	540911	51.445	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	45874	57.967	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	378856	46.548	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	317382	49.094	ug/L	99
69) Naphthalene	15.36	128	704418	57.837	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	276999	48.088	ug/L	99

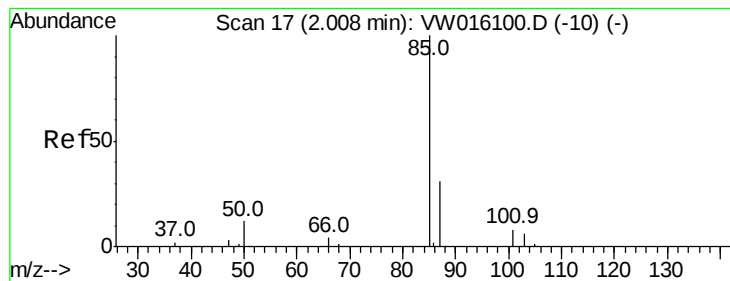
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 59.862 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

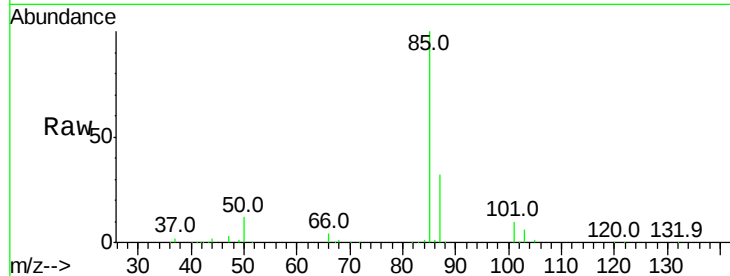
VSTD05004

Tgt Ion: 85 Resp: 213887

Ion Ratio Lower Upper

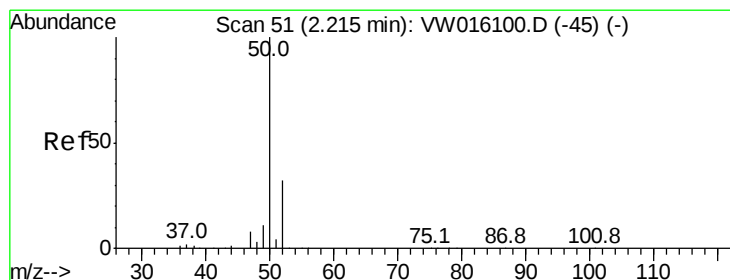
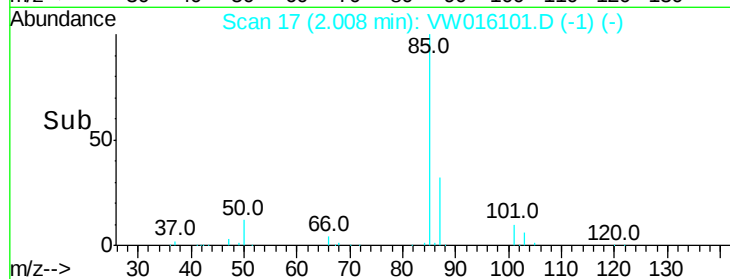
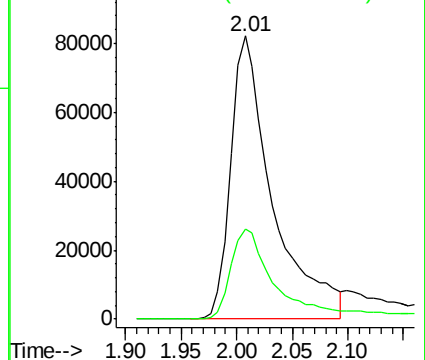
85 100

87 32.8 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 49.963 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016101.D

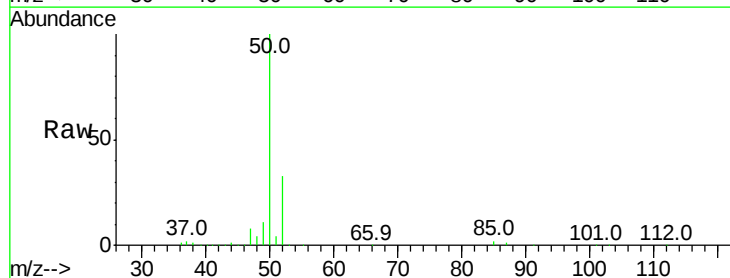
Acq: 10 Aug 2020 13:14

Tgt Ion: 50 Resp: 215908

Ion Ratio Lower Upper

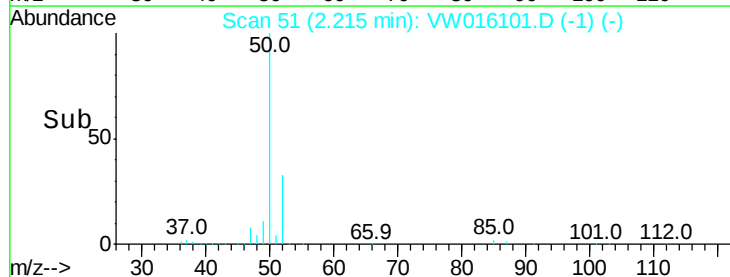
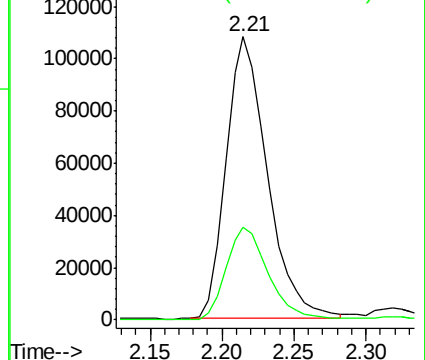
50 100

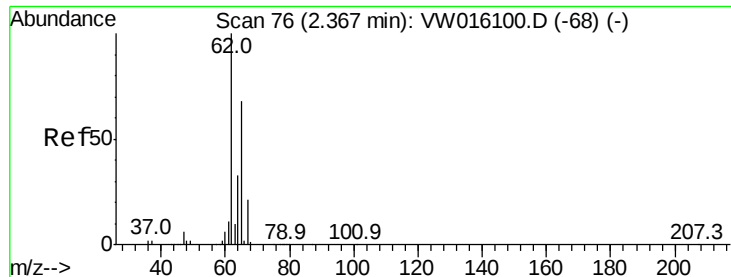
52 32.9 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 42.221 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

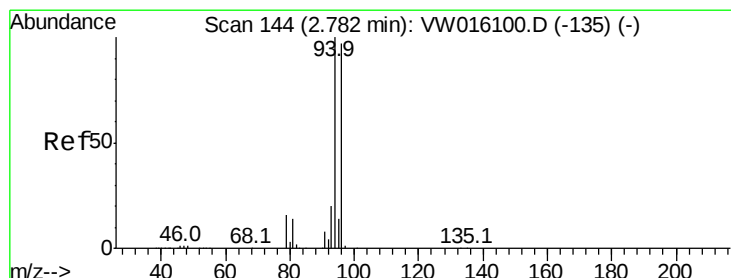
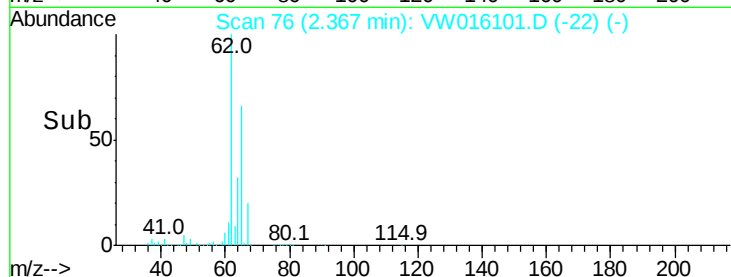
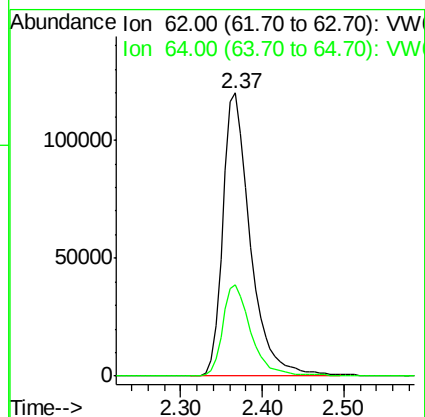
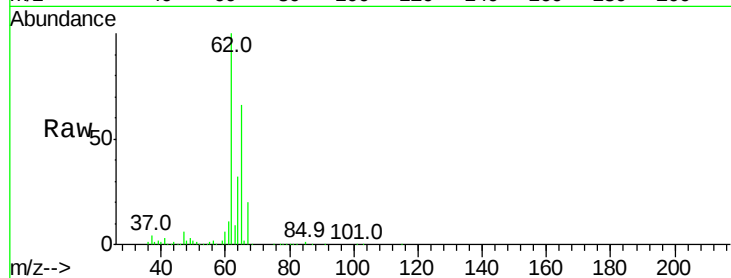
VSTD05004

Tgt Ion: 62 Resp: 281406

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.8



#6

Bromomethane

Concen: 44.965 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016101.D

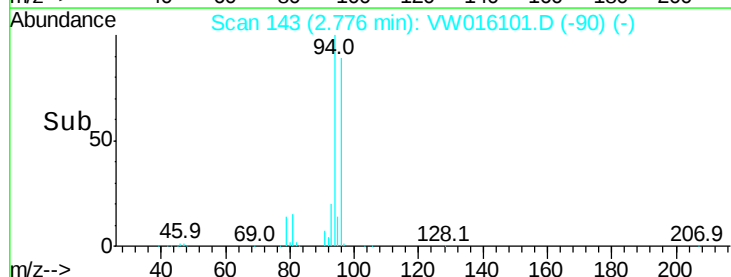
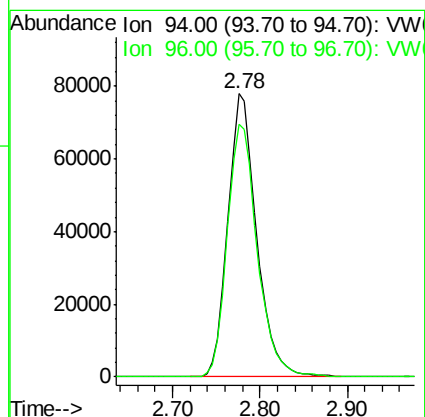
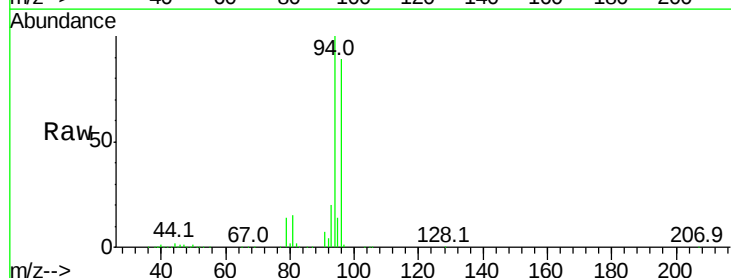
Acq: 10 Aug 2020 13:14

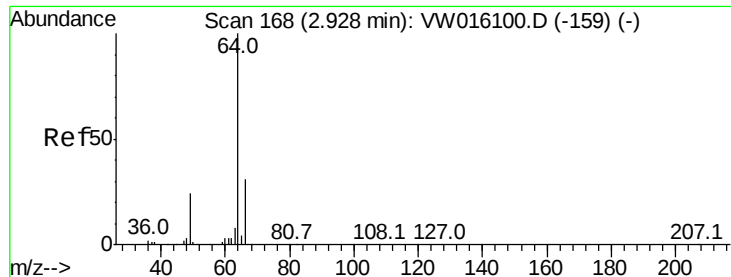
Tgt Ion: 94 Resp: 178794

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.2





#8

Chloroethane

Concen: 41.529 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

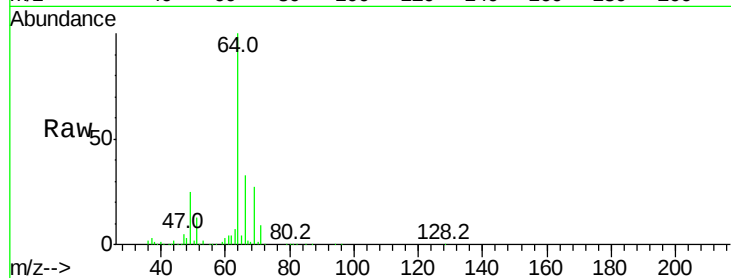
VSTD05004

Tgt Ion: 64 Resp: 162148

Ion Ratio Lower Upper

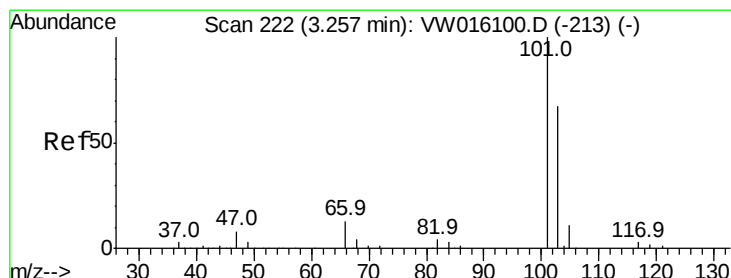
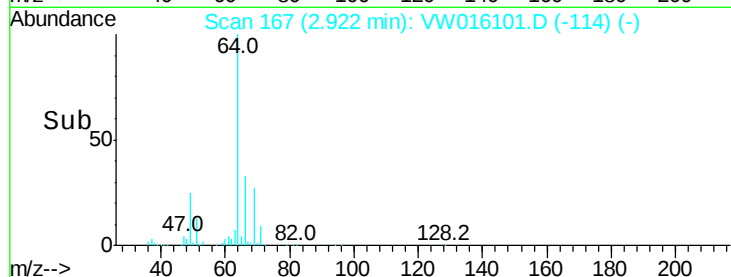
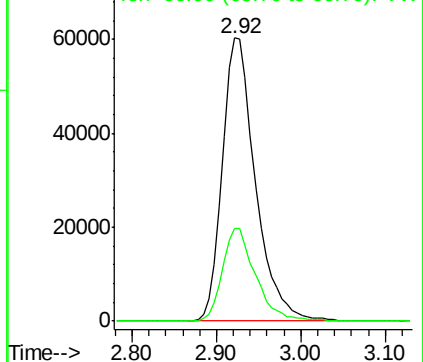
64 100

66 32.6 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 46.524 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW016101.D

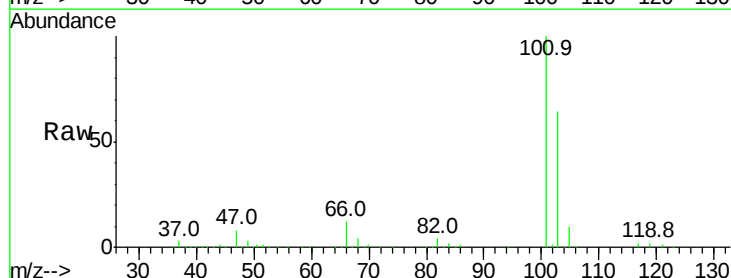
Acq: 10 Aug 2020 13:14

Tgt Ion: 101 Resp: 208428

Ion Ratio Lower Upper

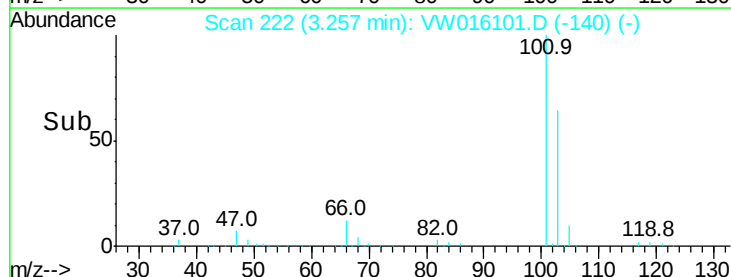
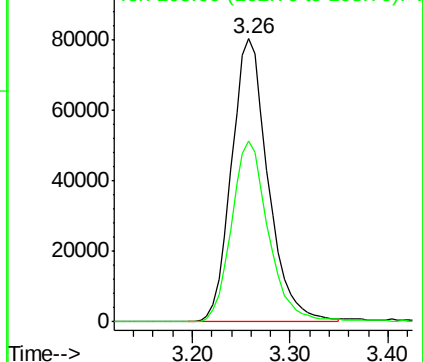
101 100

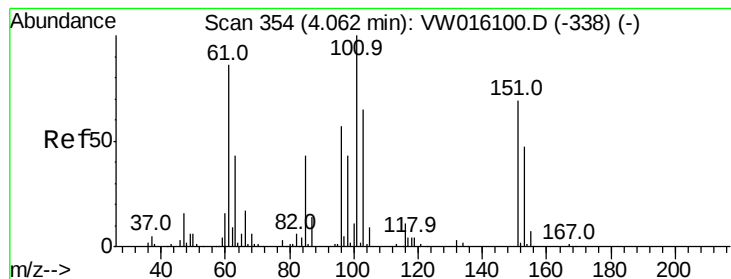
103 64.2 45.6 84.6



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: 51.940 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

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ClientSampleId :

VSTD05004

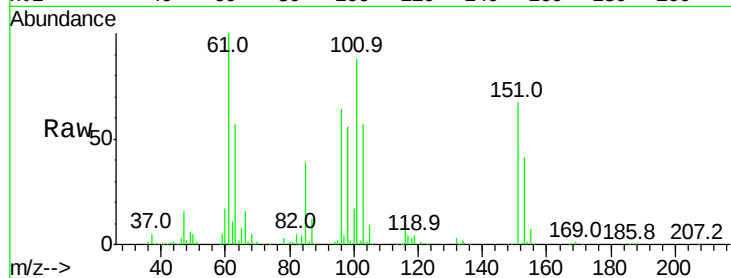
Tgt Ion:101 Resp: 284445

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

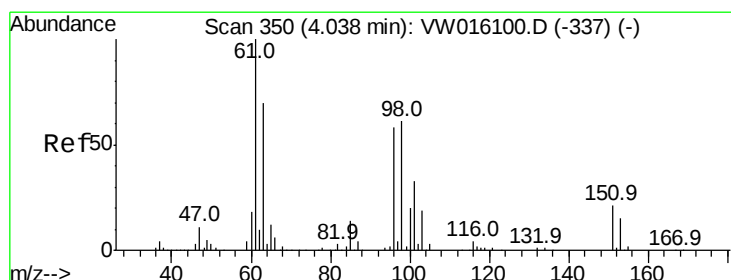
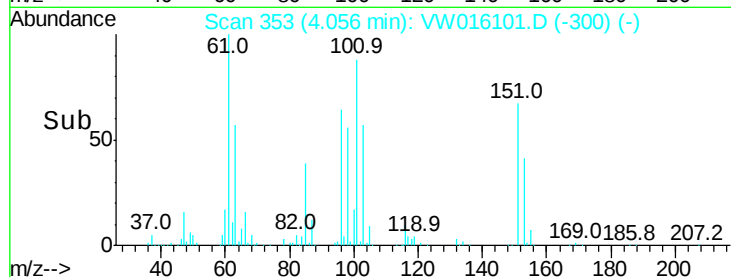
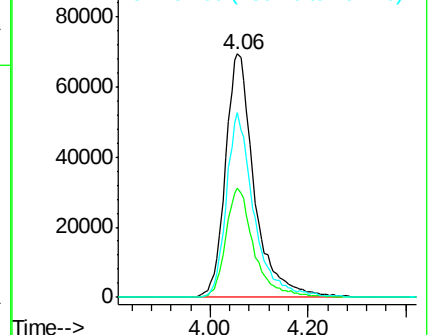
151 71.5 57.4 86.2



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: 51.779 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

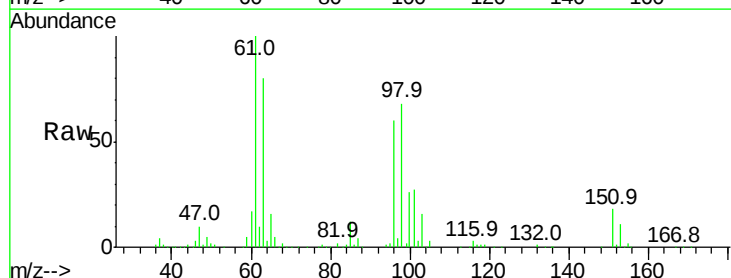
Tgt Ion: 96 Resp: 281052

Ion Ratio Lower Upper

96 100

61 167.9 120.2 223.2

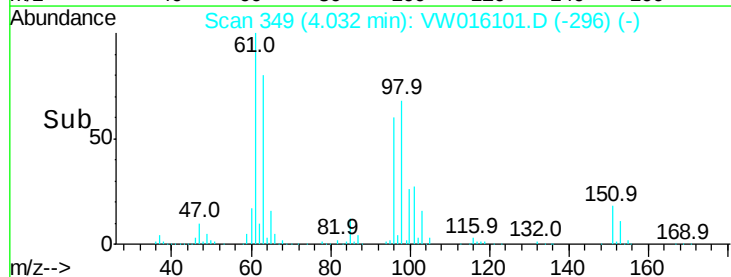
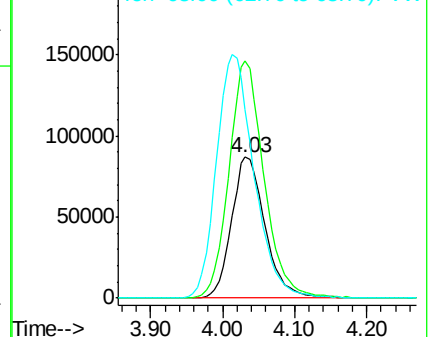
63 134.1 86.4 160.4

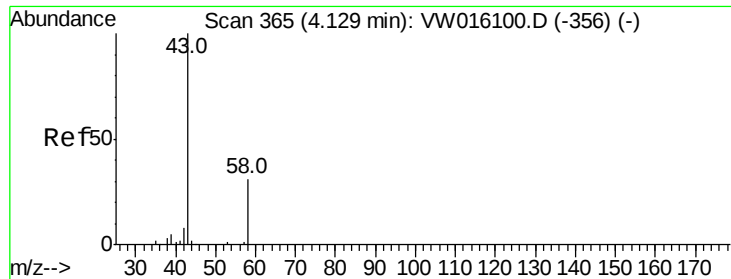


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 73.553 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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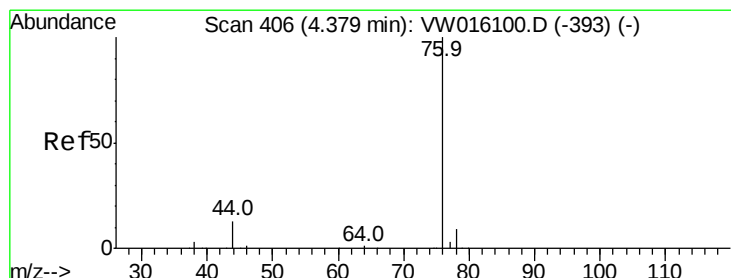
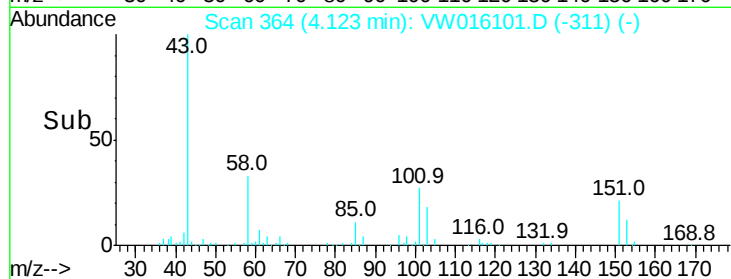
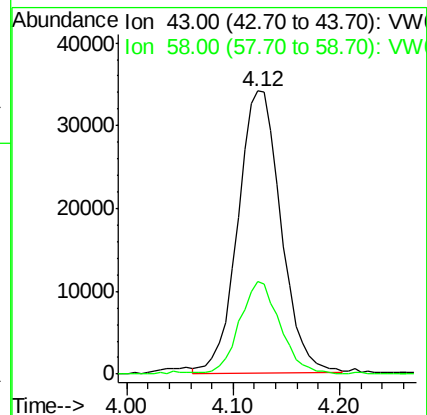
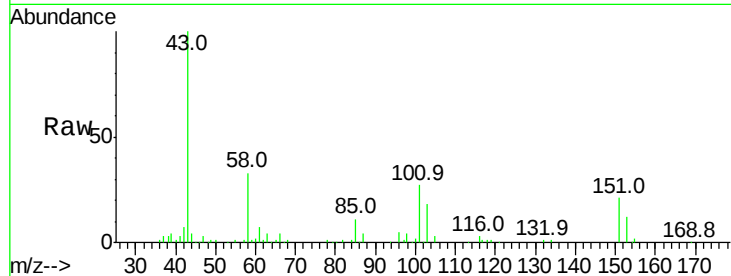
VSTD05004

Tgt Ion: 43 Resp: 96675

Ion Ratio Lower Upper

43 100

58 31.1 0.0 59.4



#14

Carbon disulfide

Concen: 51.198 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016101.D

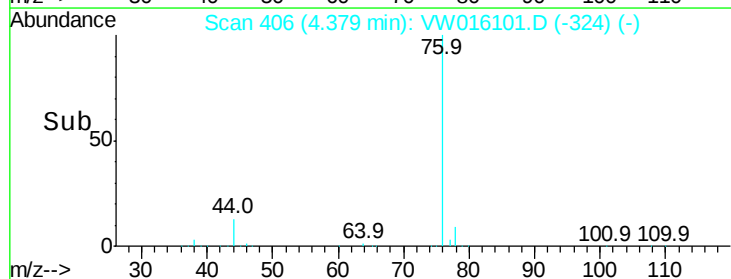
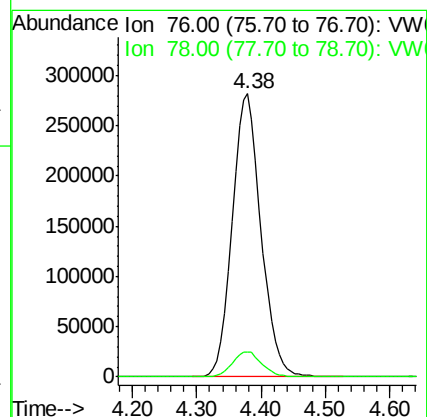
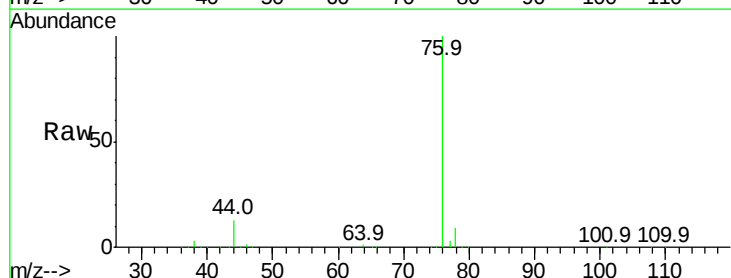
Acq: 10 Aug 2020 13:14

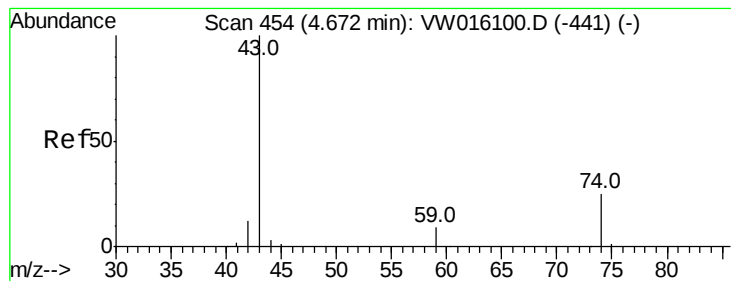
Tgt Ion: 76 Resp: 877655

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4





#15

Methyl Acetate

Concen: 50.446 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

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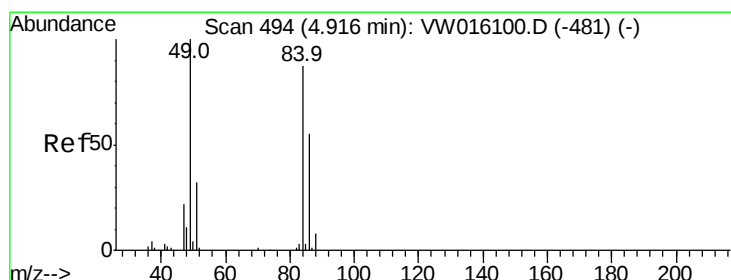
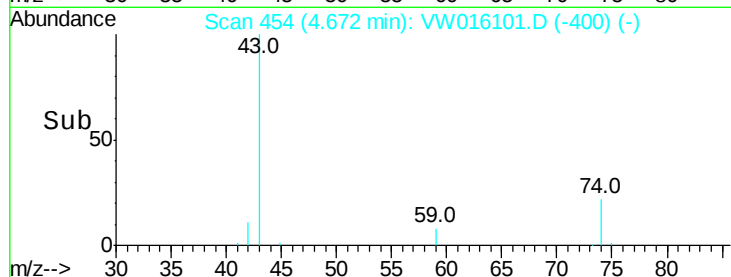
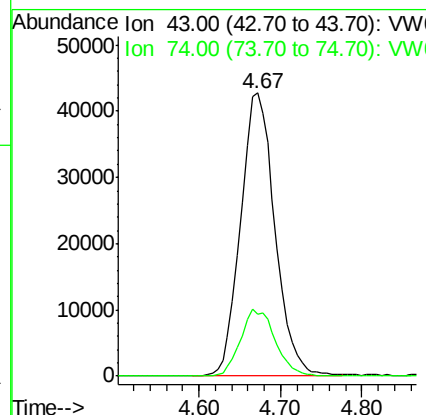
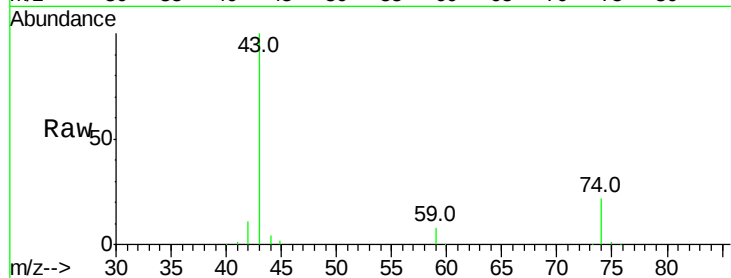
VSTD05004

Tgt Ion: 43 Resp: 125018

Ion Ratio Lower Upper

43 100

74 23.9 18.9 28.3



#16

Methylene chloride

Concen: 41.412 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

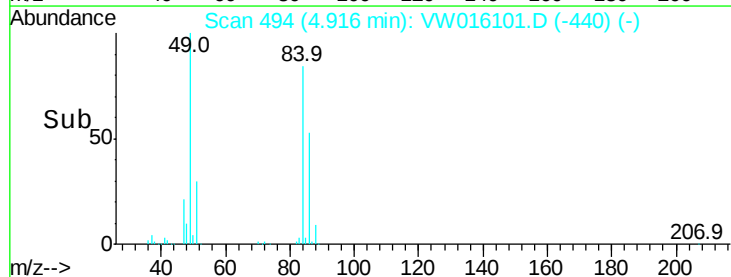
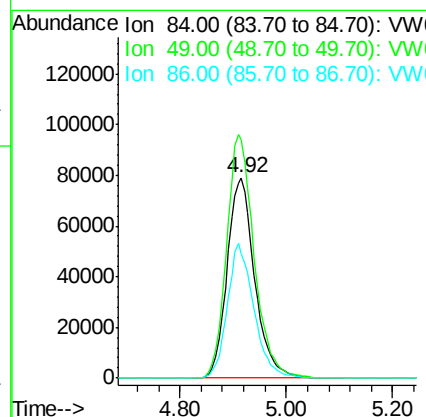
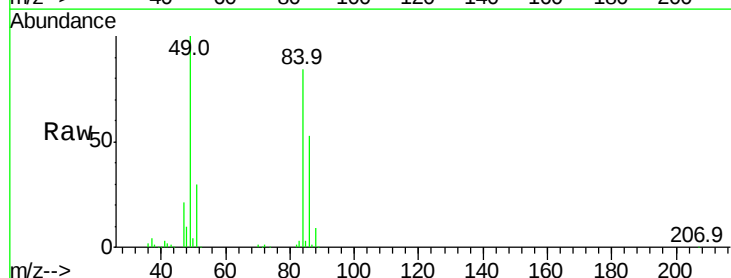
Tgt Ion: 84 Resp: 286529

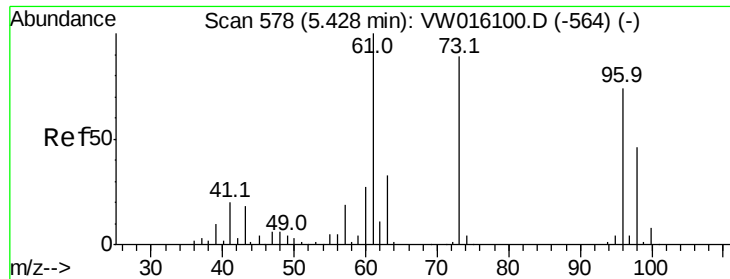
Ion Ratio Lower Upper

84 100

49 119.1 80.4 149.4

86 62.5 43.8 81.3

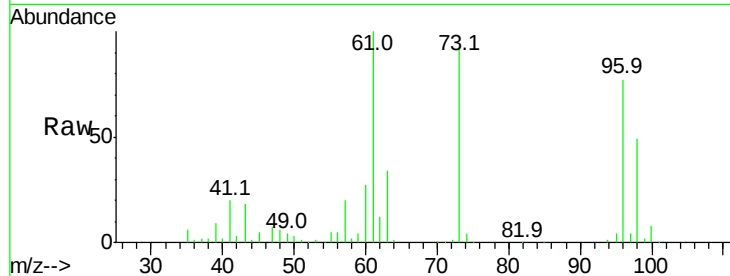




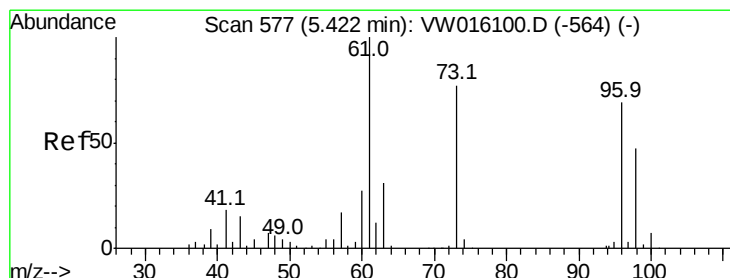
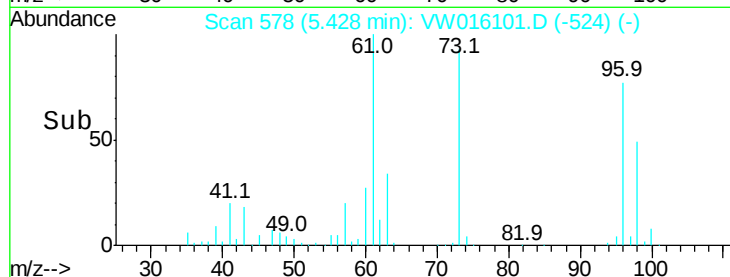
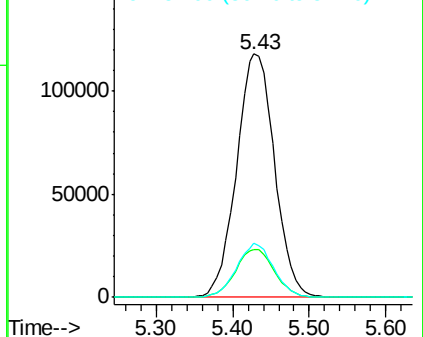
#17
Methyl tert-butyl Ether
Concen: 52.968 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016101.D
Acq: 10 Aug 2020 13:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Tgt Ion: 73 Resp: 406562
Ion Ratio Lower Upper
73 100
43 20.3 16.6 24.8
57 21.6 17.1 25.7

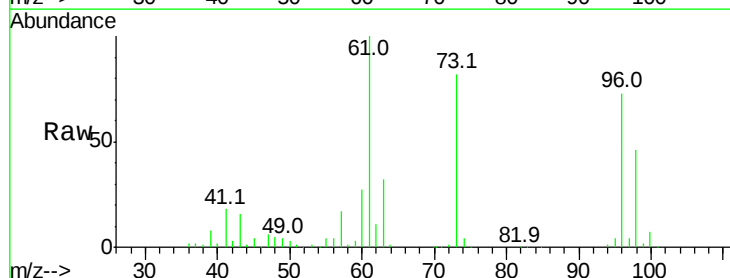


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

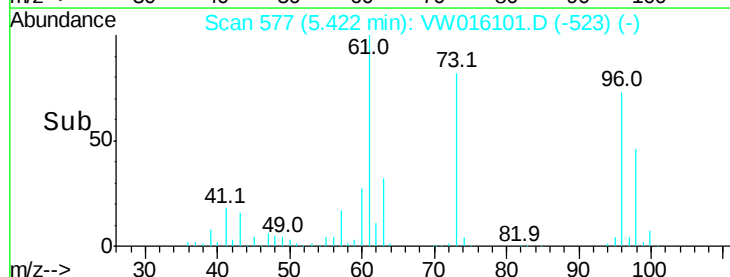
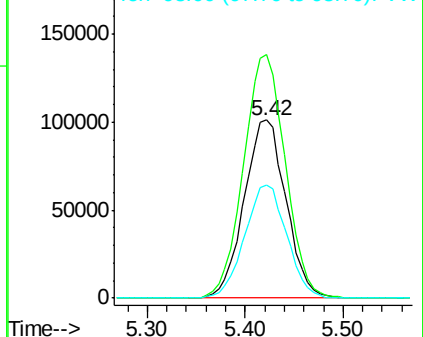


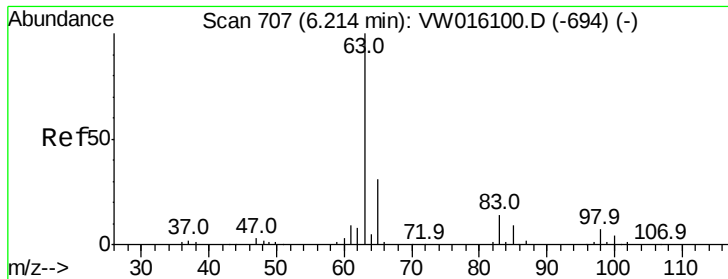
#18
trans-1,2-Dichloroethene
Concen: 52.326 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW016101.D
Acq: 10 Aug 2020 13:14

Tgt Ion: 96 Resp: 299926
Ion Ratio Lower Upper
96 100
61 136.8 101.6 188.8
98 63.2 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

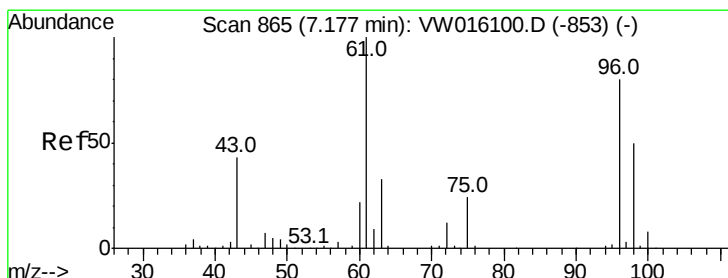
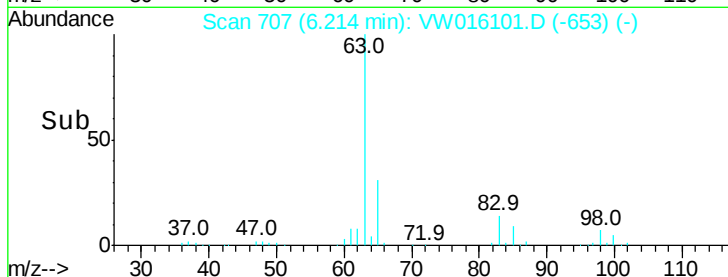
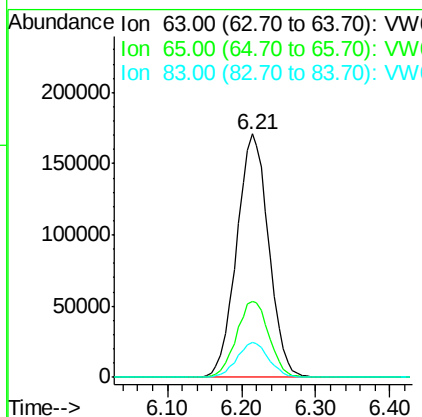
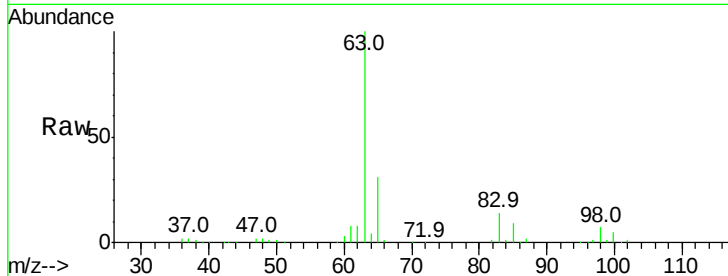




#19
 1,1-Dichloroethane
 Concen: 48.668 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

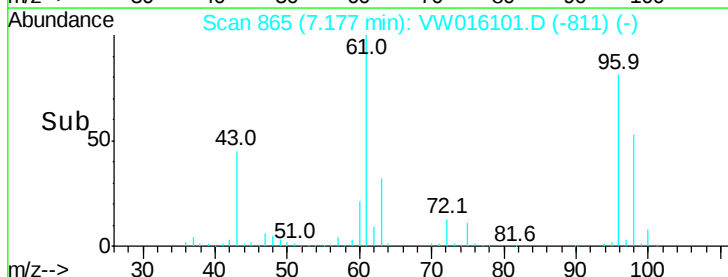
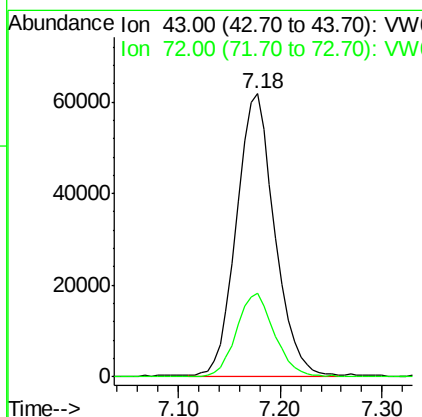
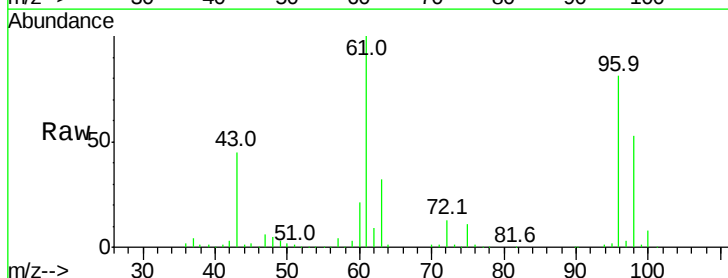
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

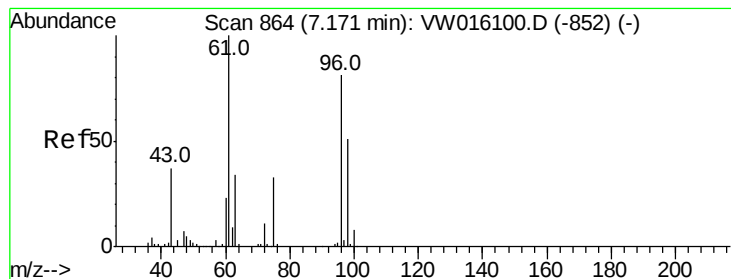
Tgt Ion: 63 Resp: 514061
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.6 40.0
 83 14.1 9.8 18.2



#21
 2-Butanone
 Concen: 99.202 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

Tgt Ion: 43 Resp: 161234
 Ion Ratio Lower Upper
 43 100
 72 29.2 13.9 41.7



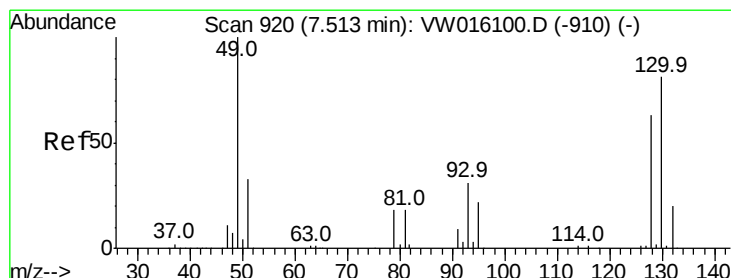
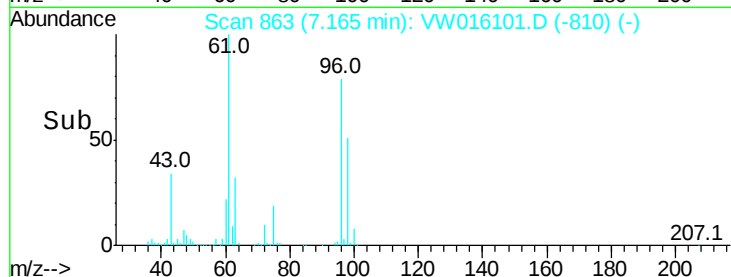
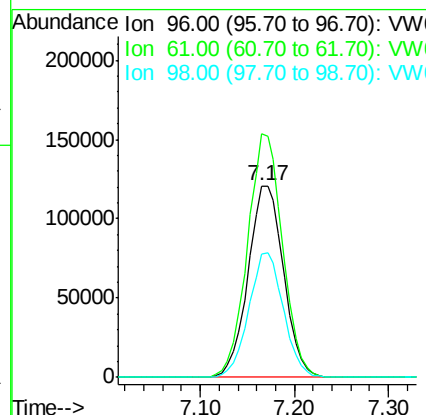
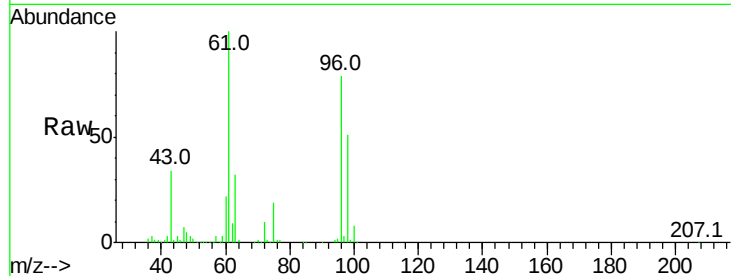


#22

cis-1,2-Dichloroethene
Concen: 53.371 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW016101.D
Acq: 10 Aug 2020 13:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

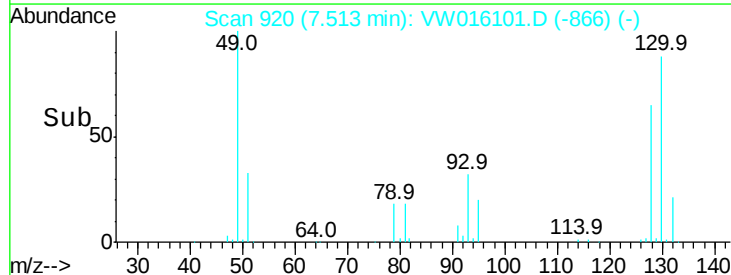
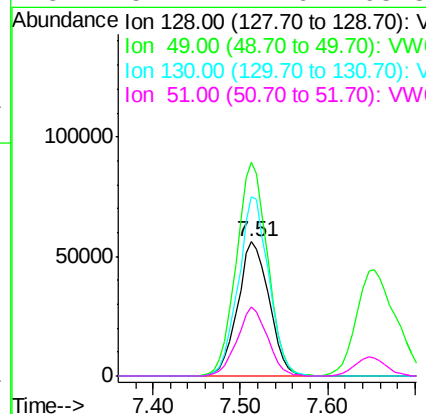
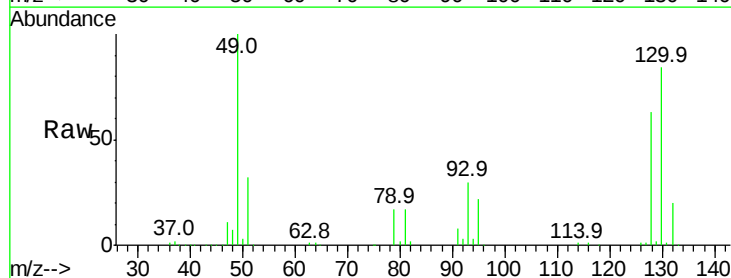
Tgt Ion: 96 Resp: 320058
Ion Ratio Lower Upper
96 100
61 127.4 87.0 161.6
98 64.6 44.0 81.6

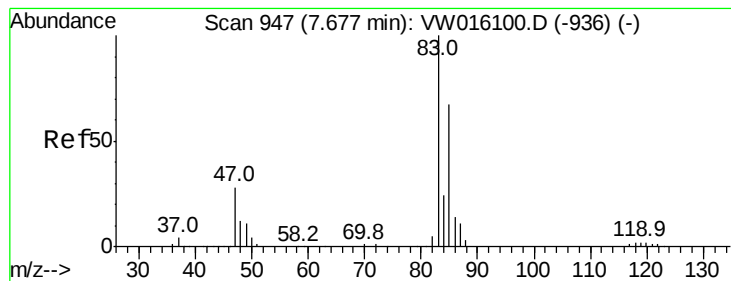


#23

Bromochloromethane
Concen: 53.310 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016101.D
Acq: 10 Aug 2020 13:14

Tgt Ion: 128 Resp: 140186
Ion Ratio Lower Upper
128 100
49 159.2 111.8 207.6
130 134.0 90.6 168.3
51 51.1 42.6 63.8





#25

Chloroform

Concen: 52.211 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampled :

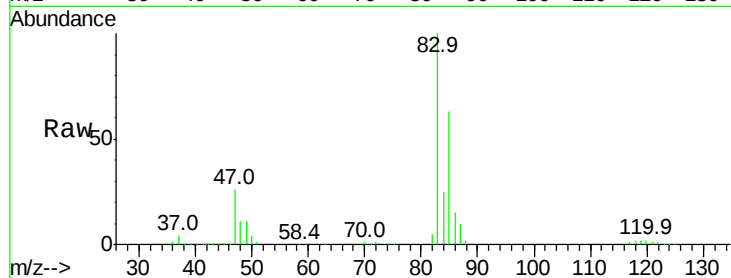
VSTD05004

Tgt Ion: 83 Resp: 546569

Ion Ratio Lower Upper

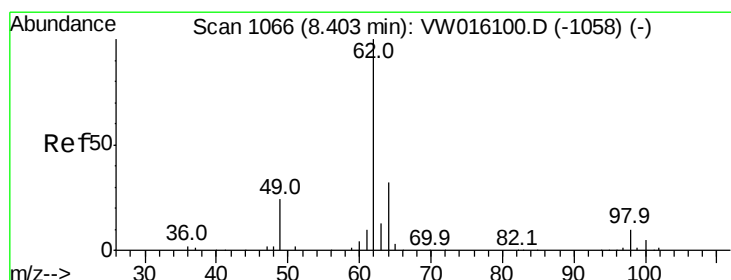
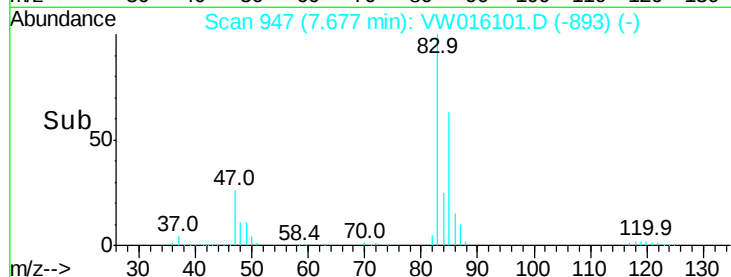
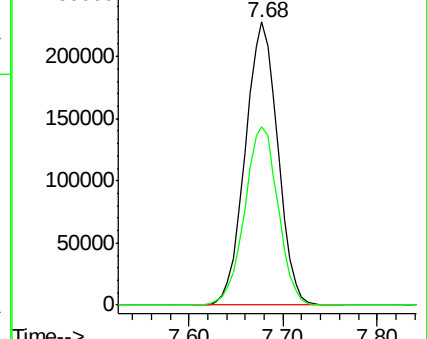
83 100

85 64.7 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 50.038 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016101.D

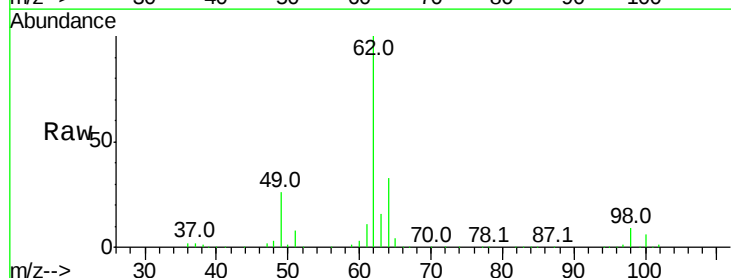
Acq: 10 Aug 2020 13:14

Tgt Ion: 62 Resp: 356429

Ion Ratio Lower Upper

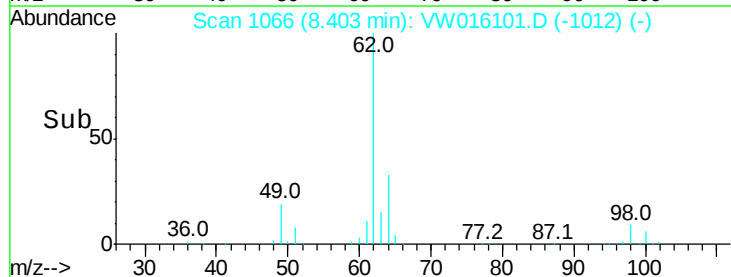
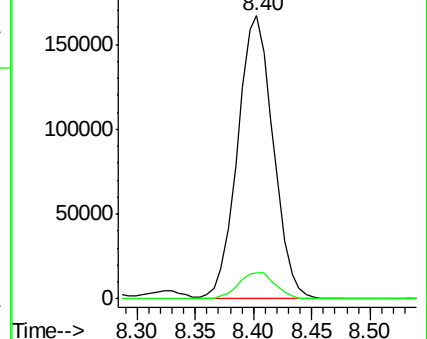
62 100

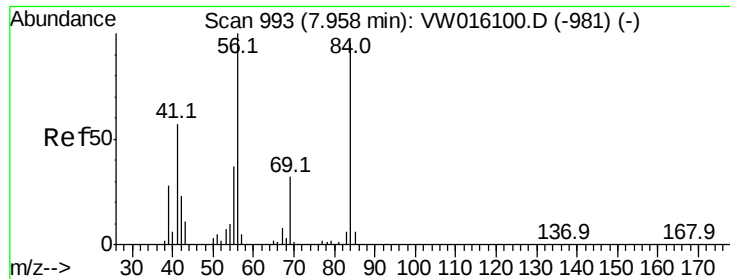
98 9.2 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

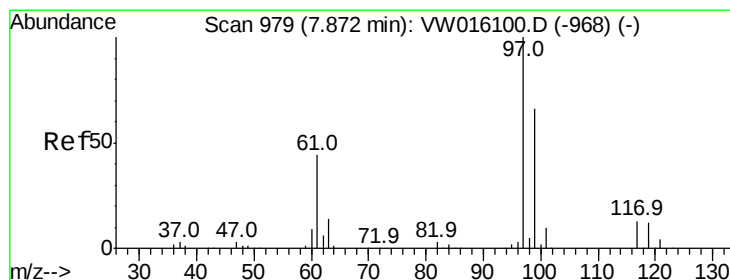
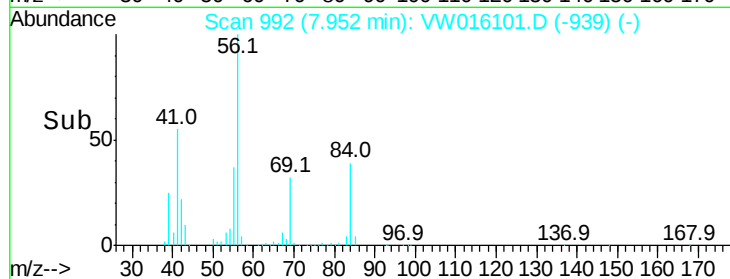
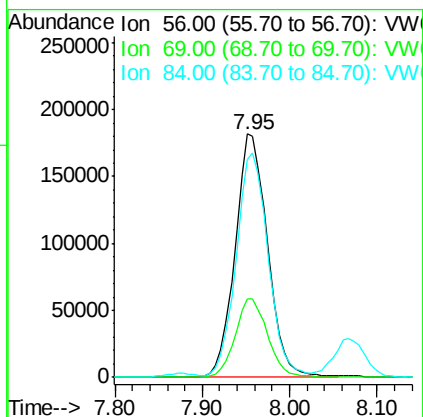
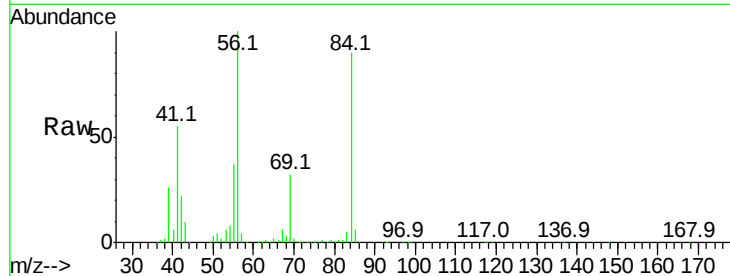




#30
Cyclohexane
Concen: 47.680 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016101.D
Acq: 10 Aug 2020 13:14

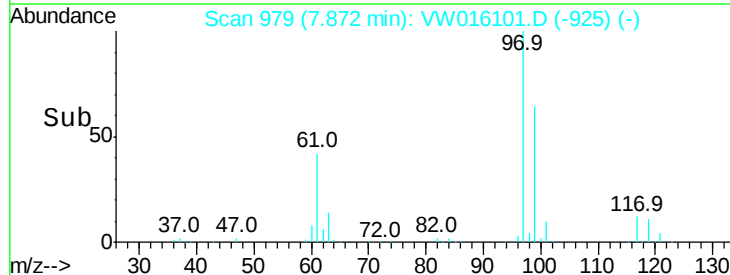
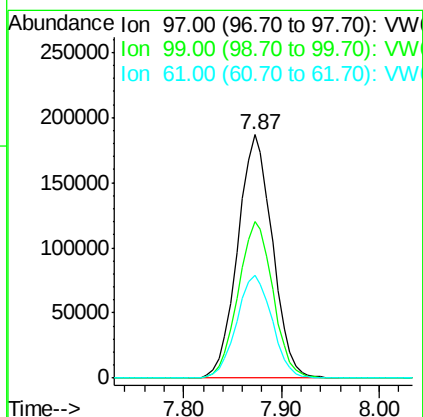
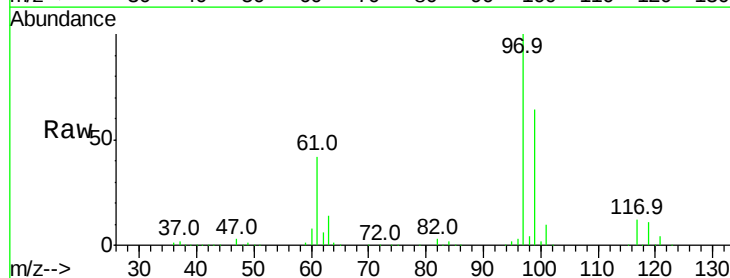
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

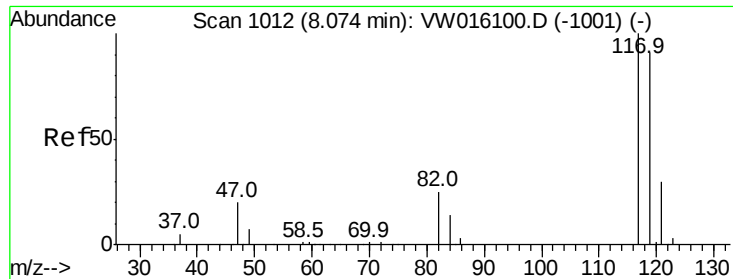
Tgt Ion: 56 Resp: 468853
Ion Ratio Lower Upper
56 100
69 32.4 25.4 38.0
84 91.4 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 50.710 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016101.D
Acq: 10 Aug 2020 13:14

Tgt Ion: 97 Resp: 461770
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 43.0 34.5 51.7





#32

Carbon tetrachloride

Concen: 53.753 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

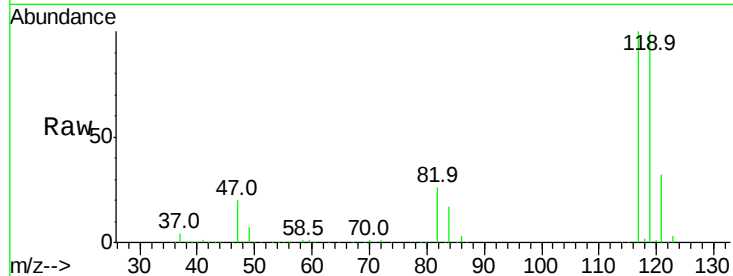
VSTD05004

Tgt Ion:117 Resp: 443862

Ion Ratio Lower Upper

117 100

119 93.9 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

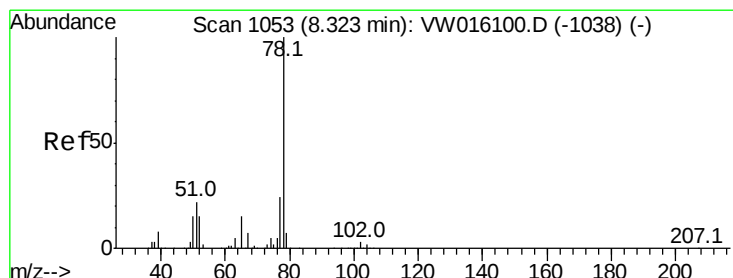
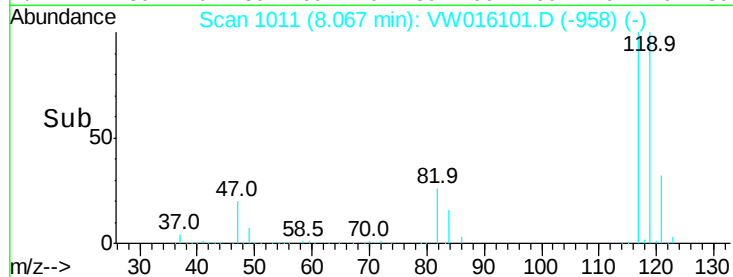
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 50.257 ug/L

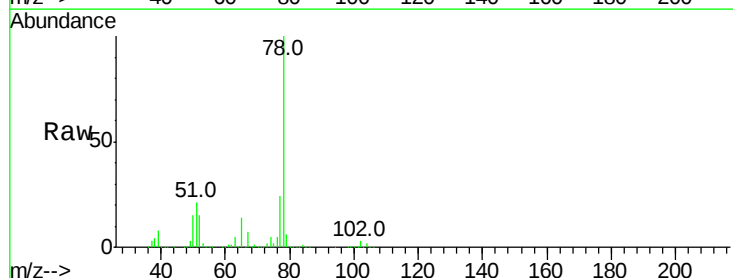
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Tgt Ion: 78 Resp: 1190405



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

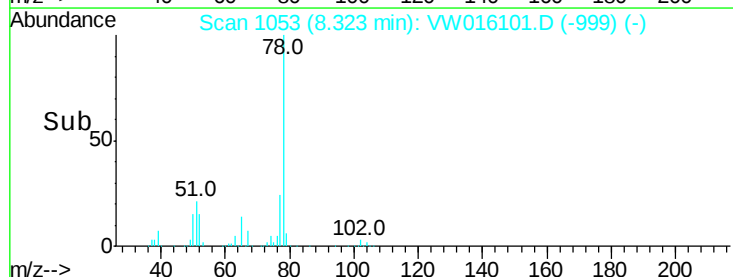
300000

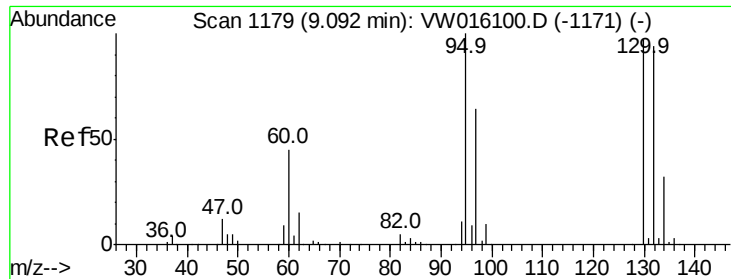
200000

100000

0

Time--> 8.20 8.30 8.40

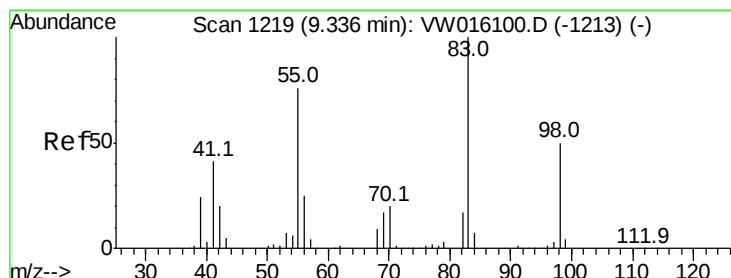
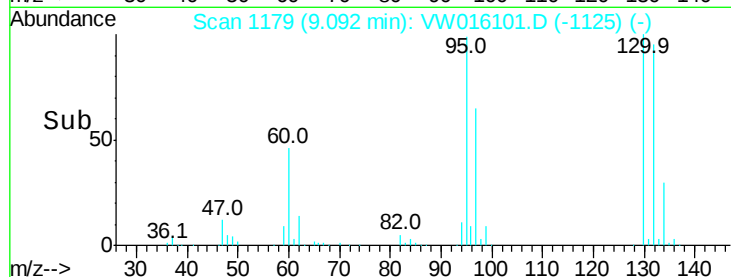
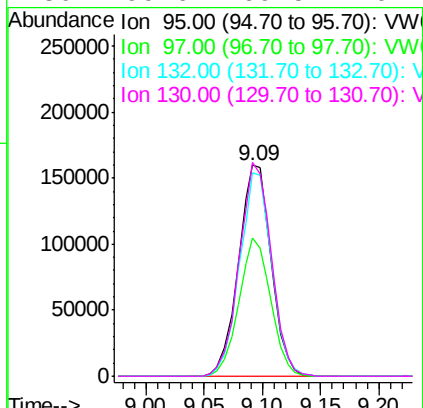
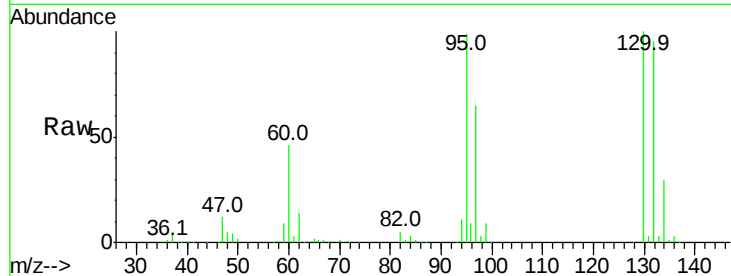




#35
 Trichloroethene
 Concen: 49.854 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

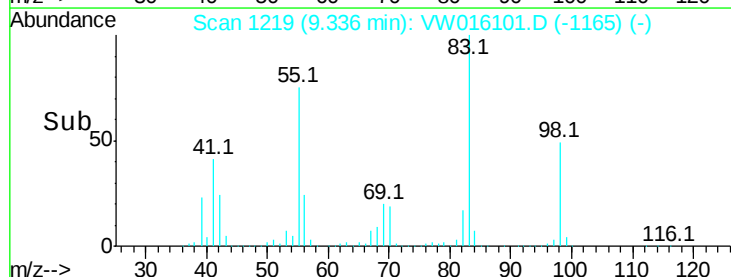
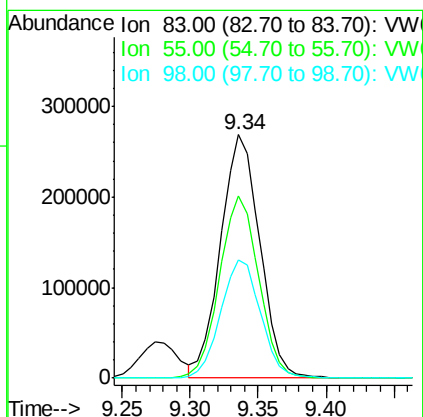
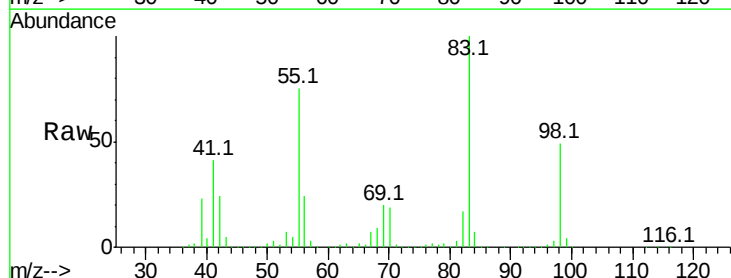
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

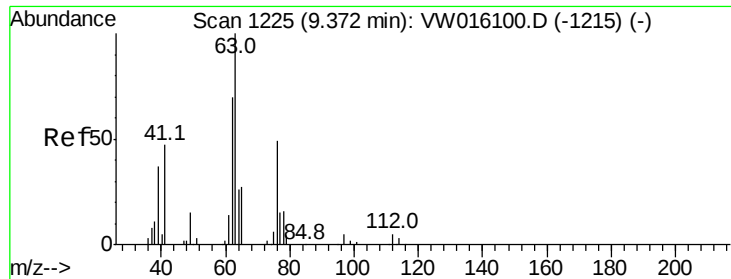
Tgt Ion:	95	Resp:	312371
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.9	83.3
132	94.9	65.8	122.2
130	99.6	69.5	129.1



#36
 Methylcyclohexane
 Concen: 49.885 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

Tgt Ion:	83	Resp:	536326
Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.7	91.1
98	49.8	39.4	59.0





#40

1,2-Dichloropropane

Concen: 48.680 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

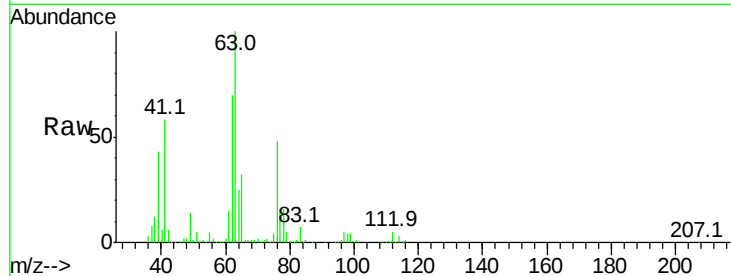
VSTD05004

Tgt Ion: 63 Resp: 285641

Ion Ratio Lower Upper

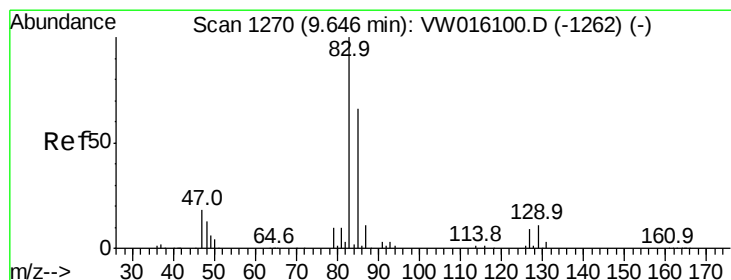
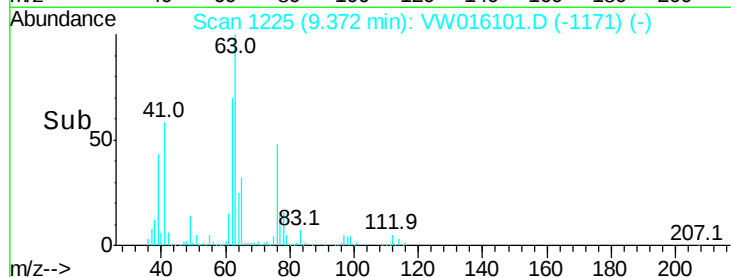
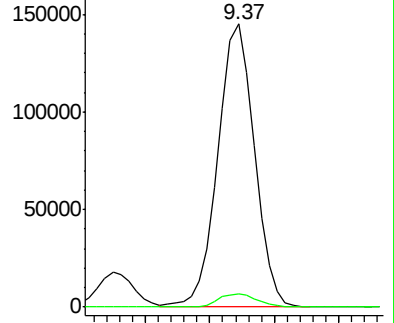
63 100

112 5.0 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 51.806 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

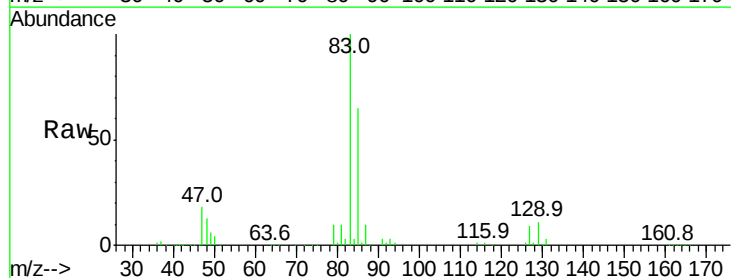
Tgt Ion: 83 Resp: 392578

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.5

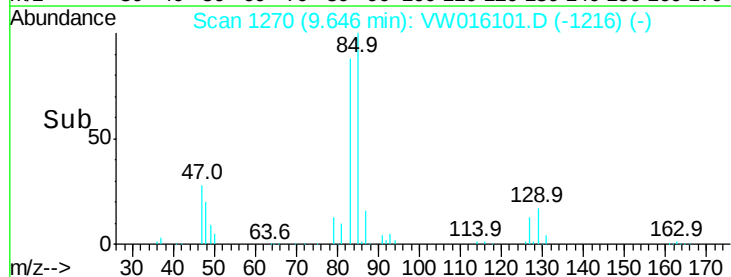
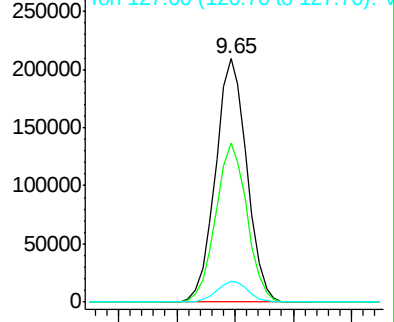
127 8.6 7.2 10.8

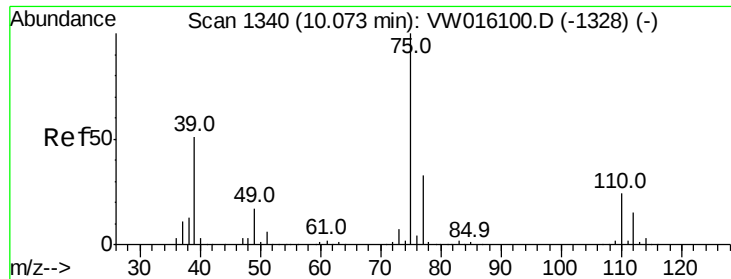


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 52.211 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampled :

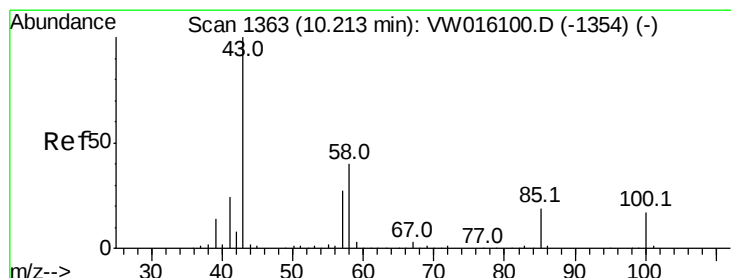
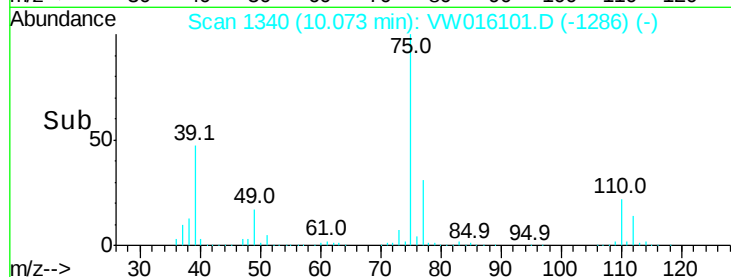
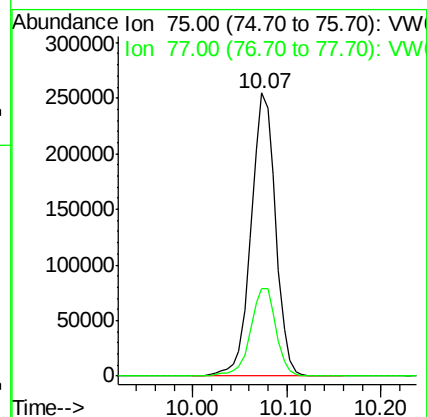
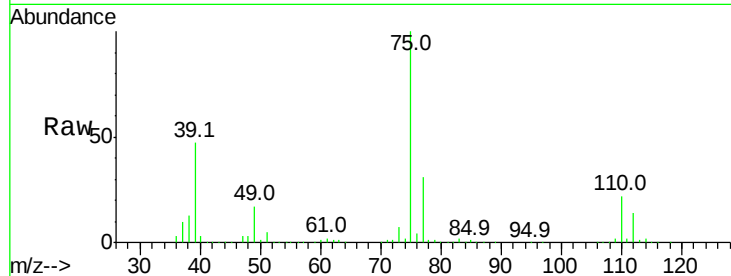
VSTD05004

Tgt Ion: 75 Resp: 466598

Ion Ratio Lower Upper

75 100

77 31.0 22.9 42.5



#43

4-Methyl-2-pentanone

Concen: 104.555 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

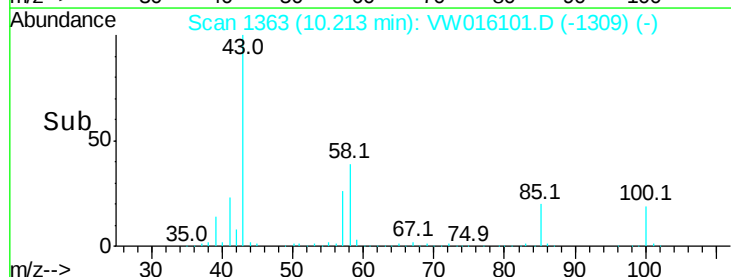
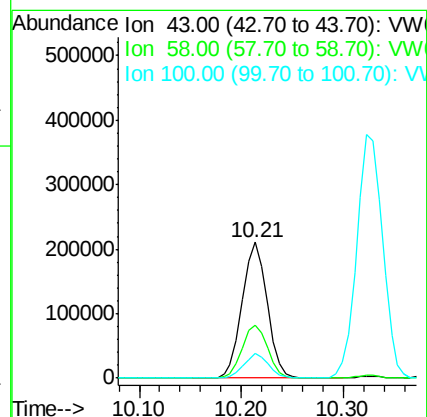
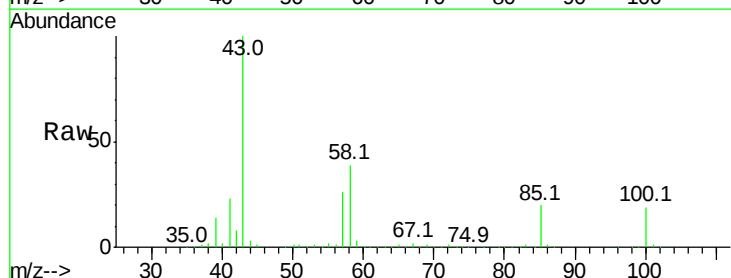
Tgt Ion: 43 Resp: 358098

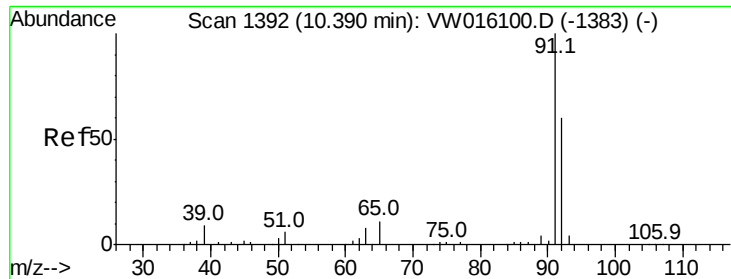
Ion Ratio Lower Upper

43 100

58 39.7 32.1 48.1

100 17.3 13.8 20.8





#44

Toluene

Concen: 50.872 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

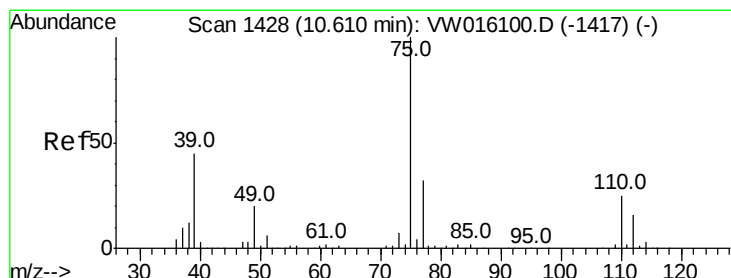
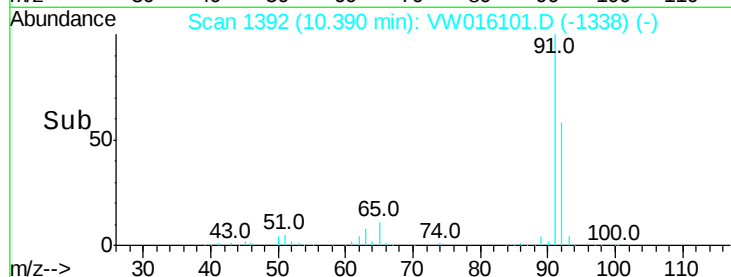
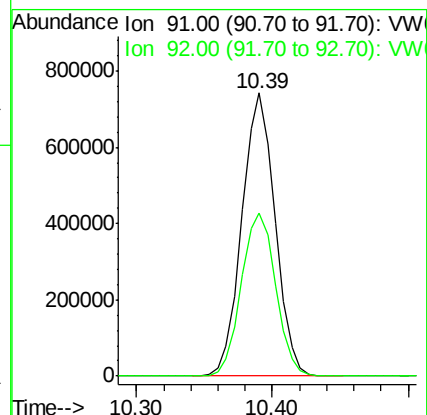
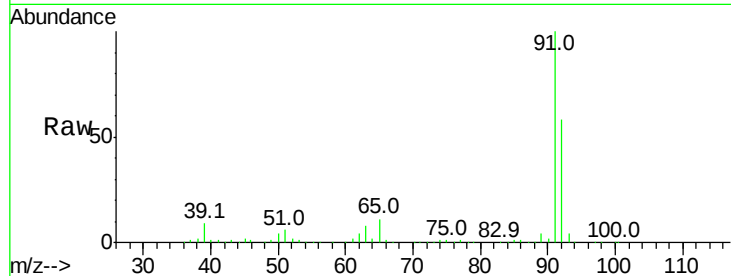
VSTD05004

Tgt Ion: 91 Resp: 1263781

Ion Ratio Lower Upper

91 100

92 57.7 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 53.147 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016101.D

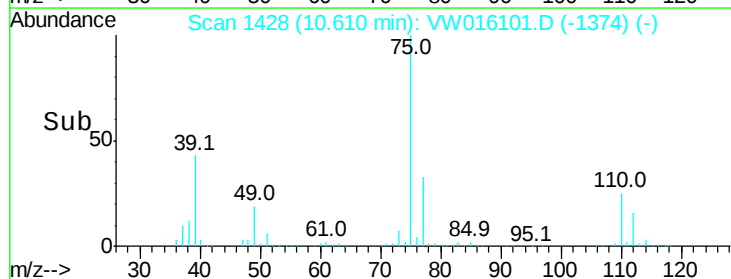
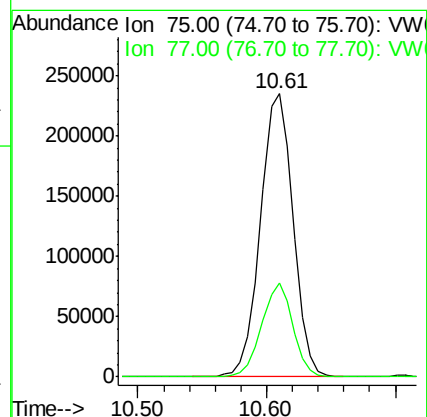
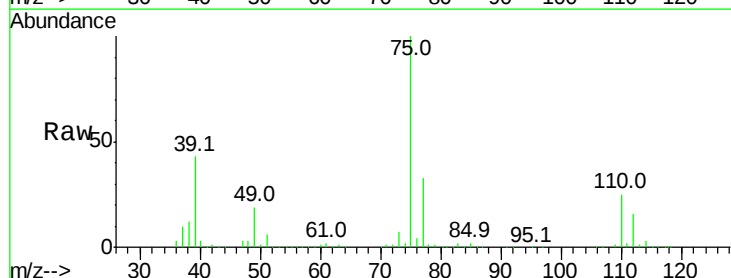
Acq: 10 Aug 2020 13:14

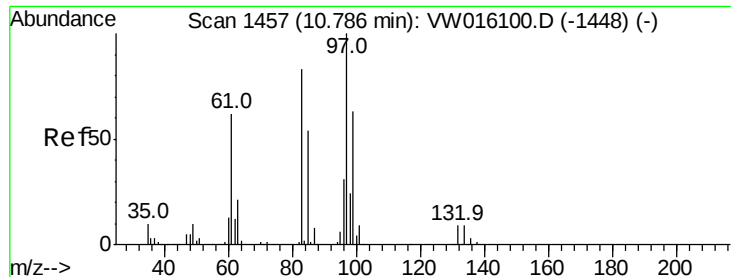
Tgt Ion: 75 Resp: 411684

Ion Ratio Lower Upper

75 100

77 33.1 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 52.390 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 221061

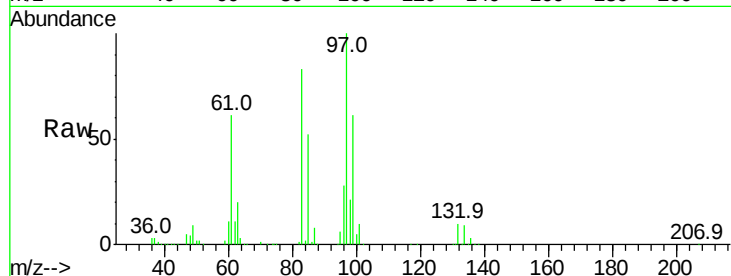
Ion Ratio Lower Upper

97 100

83 82.7 57.8 107.4

85 51.7 38.0 70.6

99 61.1 44.4 82.4

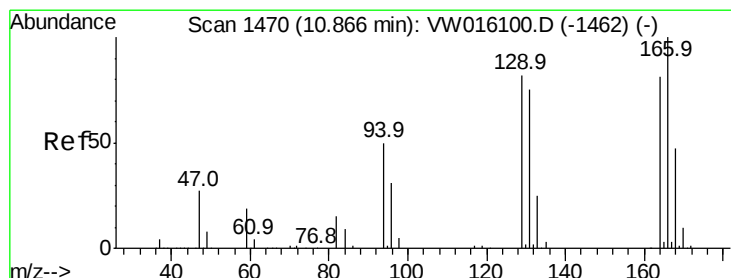
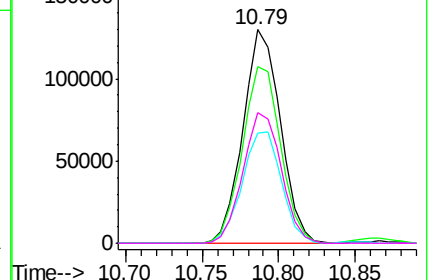
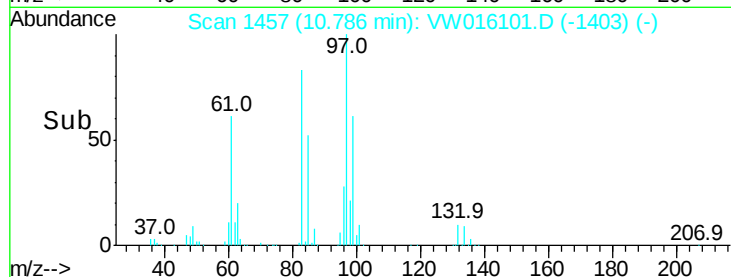


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 46.357 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Tgt Ion: 164 Resp: 225458

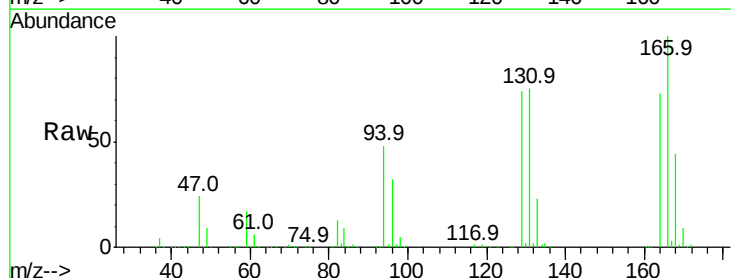
Ion Ratio Lower Upper

164 100

129 101.0 71.5 132.9

131 102.8 65.4 121.4

166 137.2 86.9 161.5

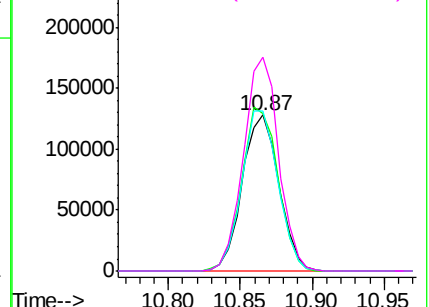
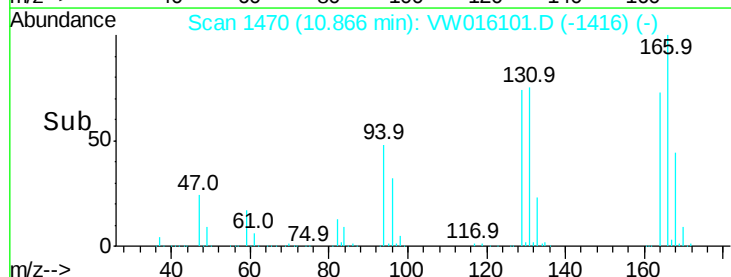


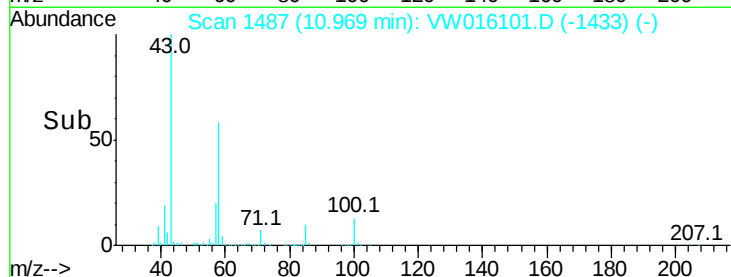
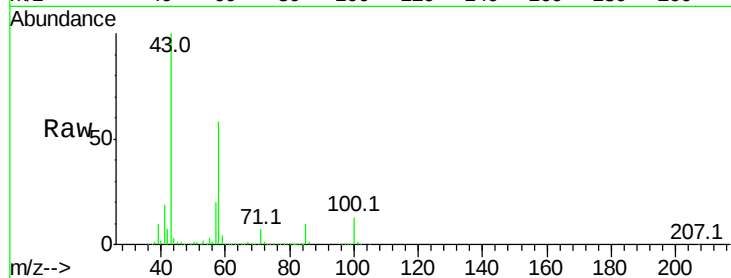
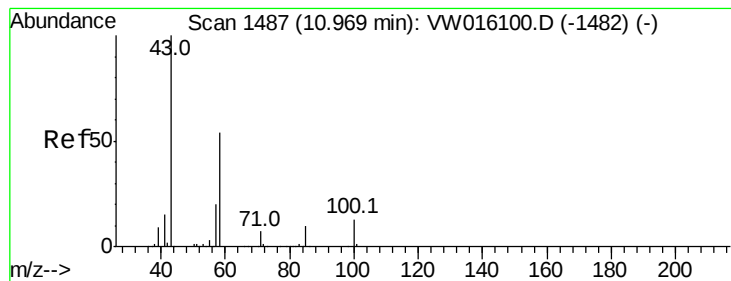
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 101.469 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 43 Resp: 246619

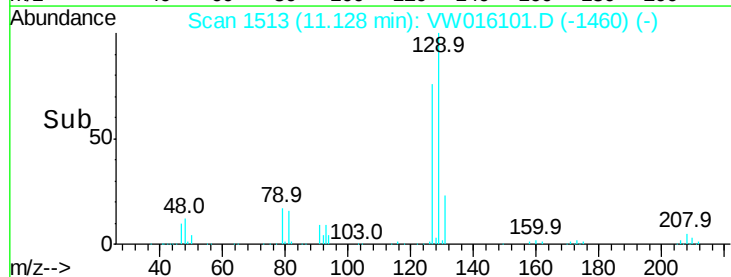
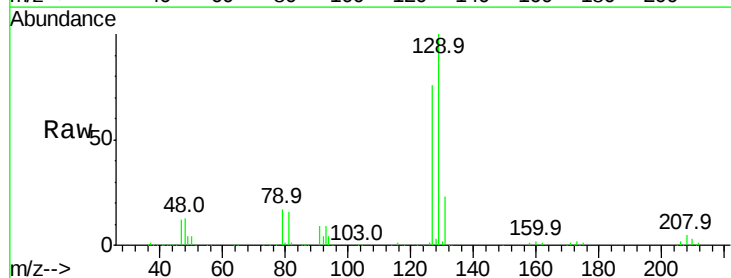
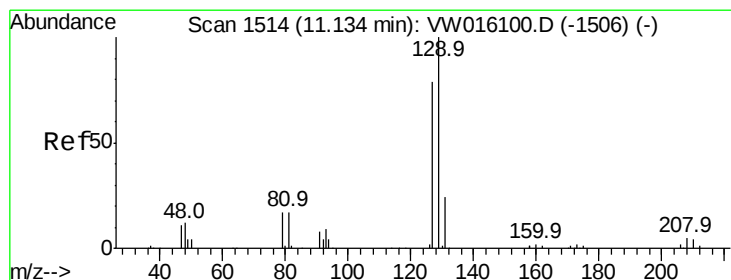
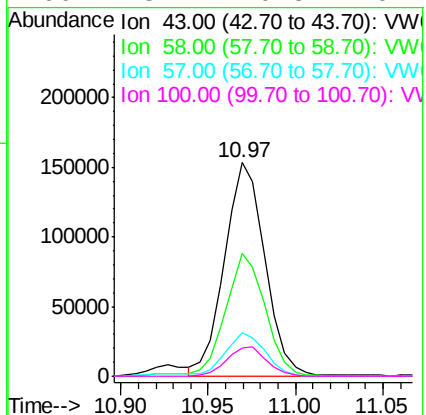
Ion Ratio Lower Upper

43 100

58 57.7 44.2 66.2

57 20.1 15.8 23.6

100 13.7 10.8 16.2



#50

Dibromochloromethane

Concen: 56.965 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016101.D

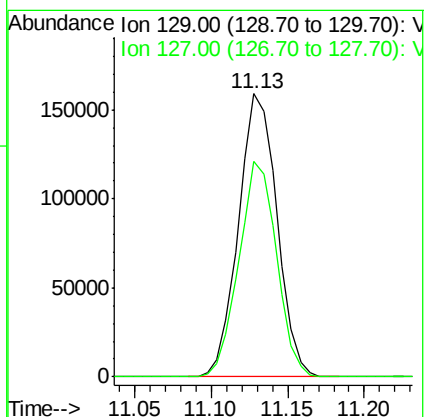
Acq: 10 Aug 2020 13:14

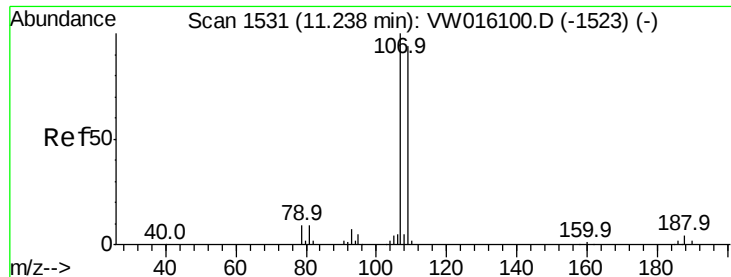
Tgt Ion: 129 Resp: 278282

Ion Ratio Lower Upper

129 100

127 76.2 55.4 102.8

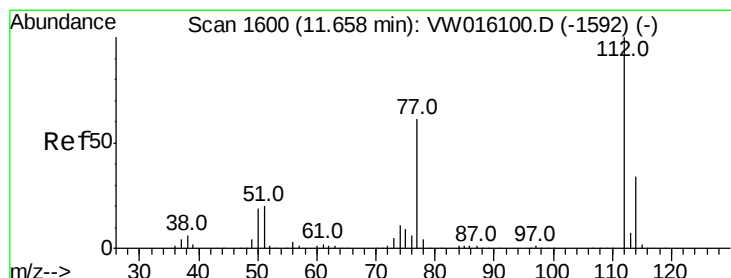
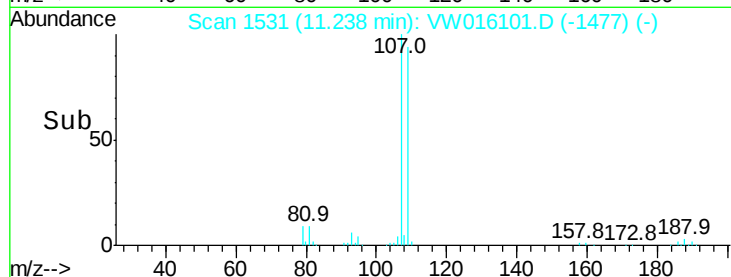
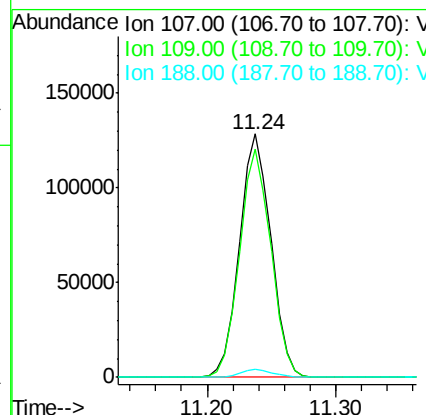
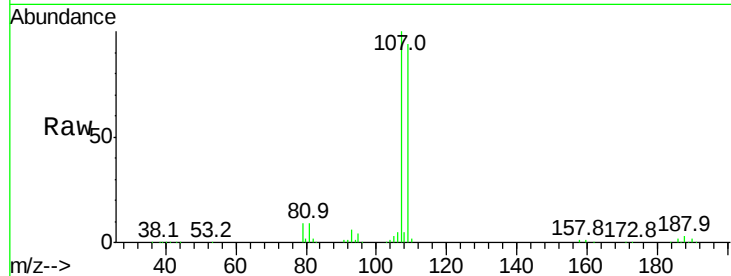




#51
 1,2-Dibromoethane
 Concen: 53.772 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

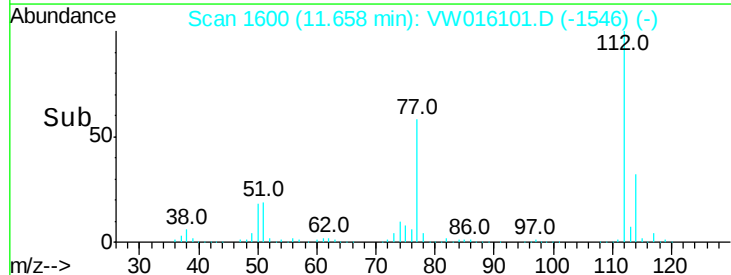
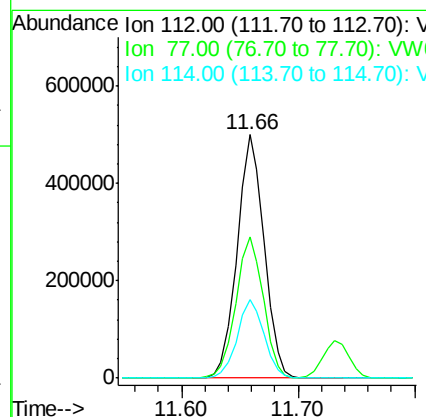
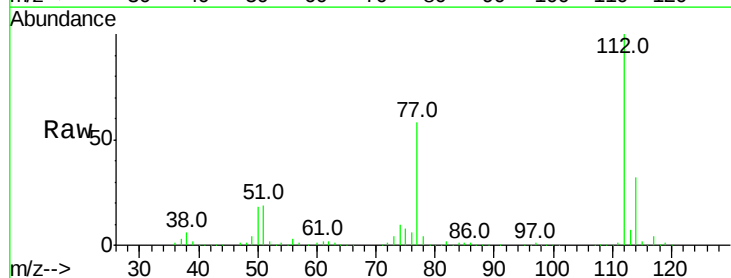
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

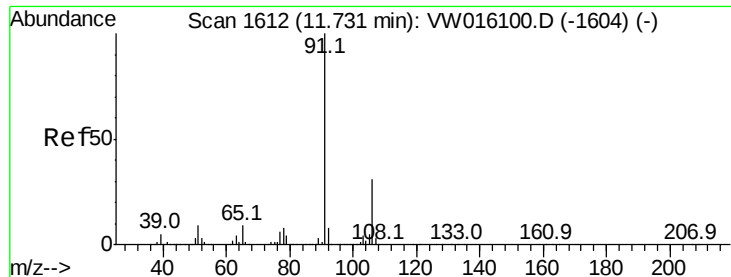
Tgt Ion:107 Resp: 217053
 Ion Ratio Lower Upper
 107 100
 109 94.0 66.0 122.6
 188 3.2 2.8 4.2



#52
 Chlorobenzene
 Concen: 50.638 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

Tgt Ion:112 Resp: 806085
 Ion Ratio Lower Upper
 112 100
 77 57.8 49.1 73.7
 114 32.0 23.5 43.7





#53

Ethylbenzene

Concen: 51.536 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

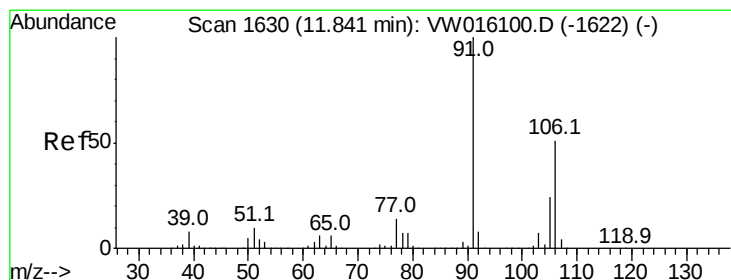
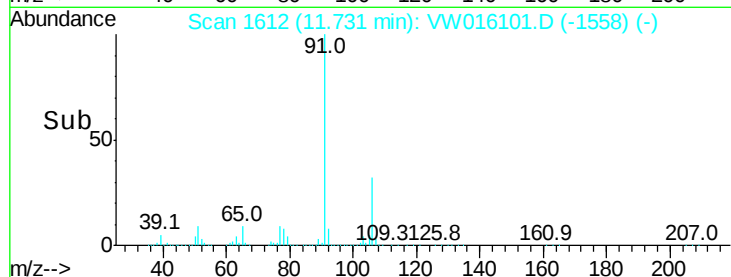
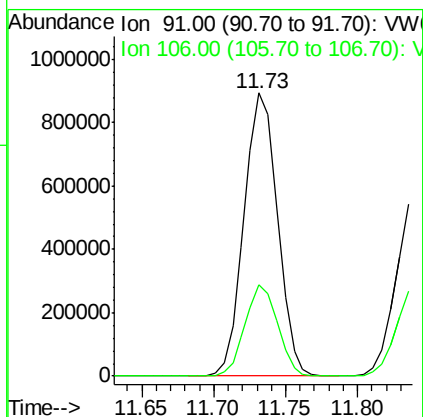
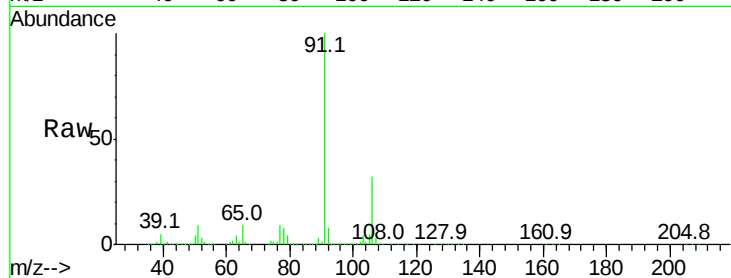
VSTD05004

Tgt Ion: 91 Resp: 1439652

Ion Ratio Lower Upper

91 100

106 32.5 21.8 40.4



#54

m,p-Xylene

Concen: 52.855 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016101.D

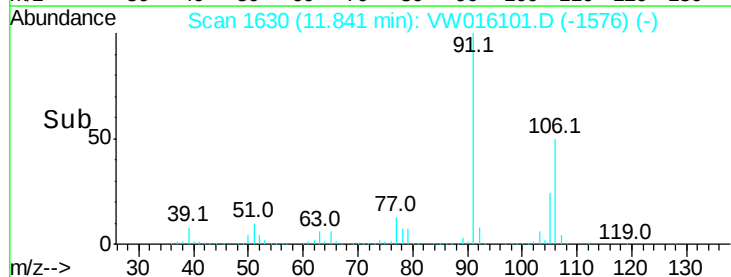
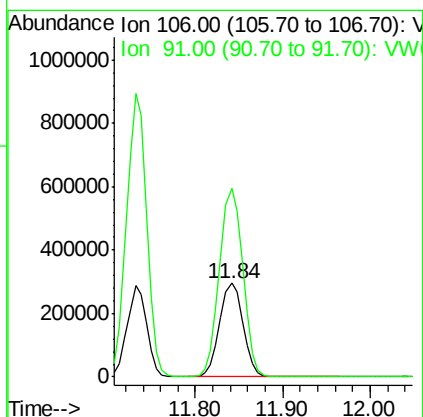
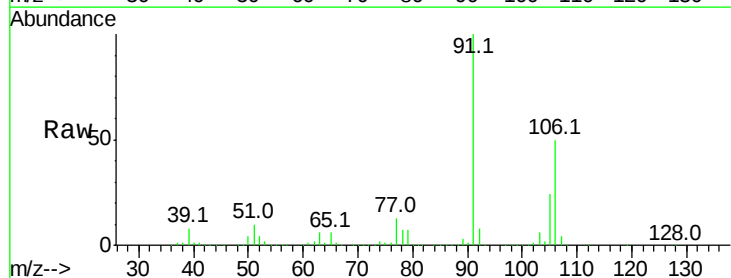
Acq: 10 Aug 2020 13:14

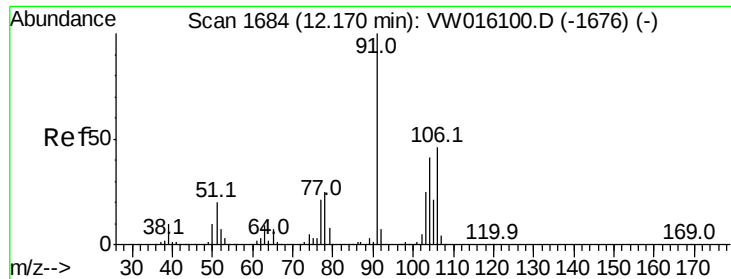
Tgt Ion: 106 Resp: 552405

Ion Ratio Lower Upper

106 100

91 201.1 136.4 253.2





#55

o-xylene

Concen: 53.299 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

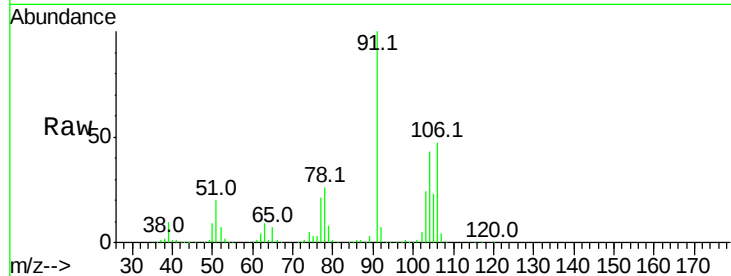
VSTD05004

Tgt Ion:106 Resp: 524527

Ion Ratio Lower Upper

106 100

91 214.2 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

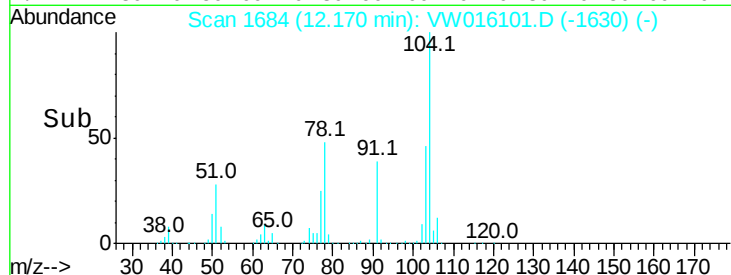
600000

400000

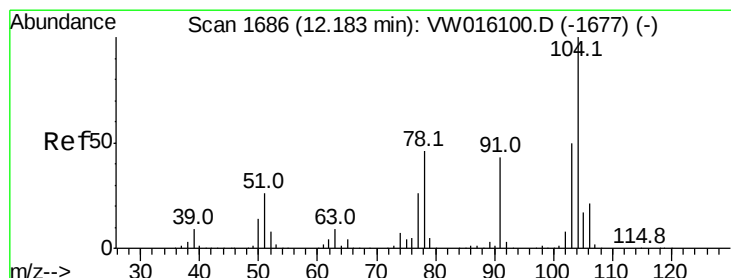
200000

0

12.10 12.20



Time-->



#56

Styrene

Concen: 54.255 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016101.D

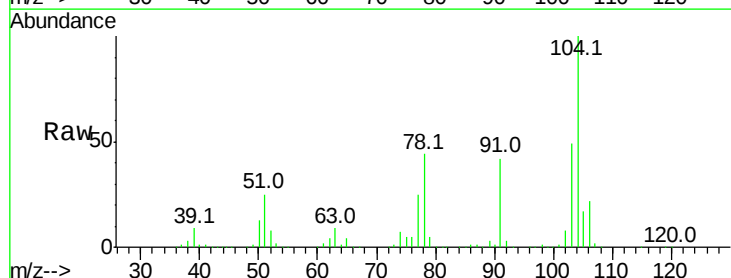
Acq: 10 Aug 2020 13:14

Tgt Ion:104 Resp: 908004

Ion Ratio Lower Upper

104 100

78 44.3 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

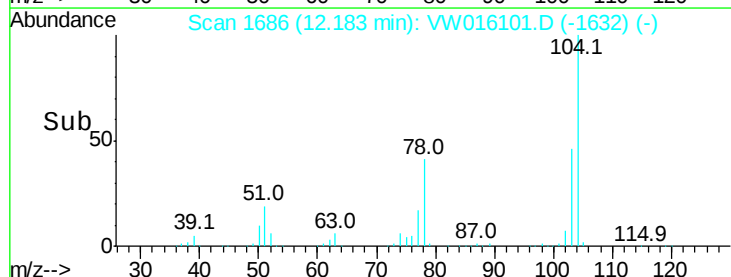
600000

400000

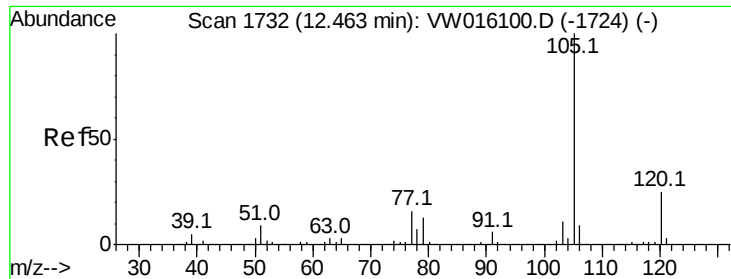
200000

0

12.10 12.20 12.30



Time-->



#57

Isopropylbenzene

Concen: 52.136 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

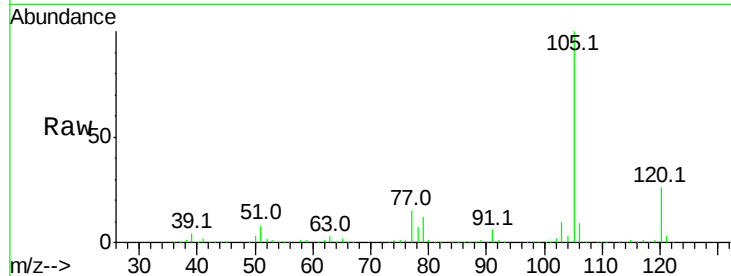
Tgt Ion:105 Resp: 1396707

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

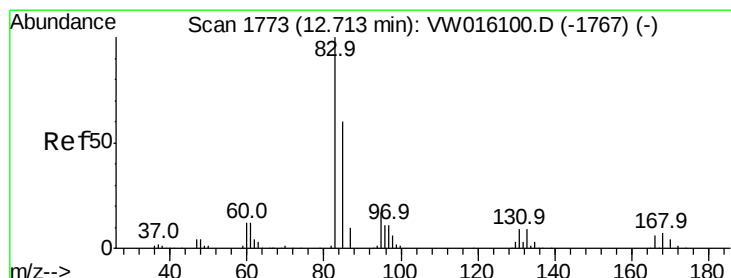
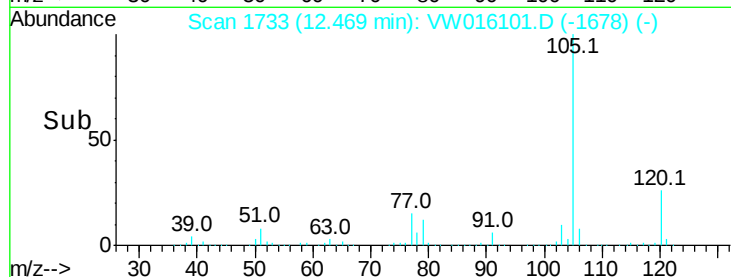
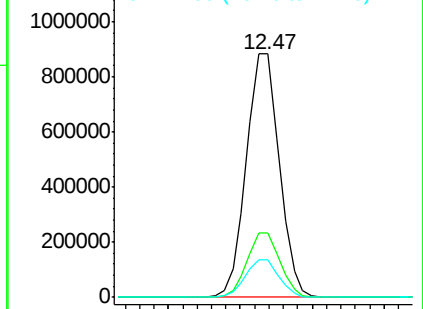
77 15.6 12.6 18.8



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: 52.377 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

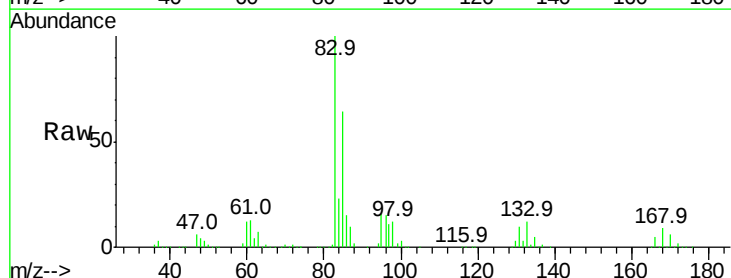
Tgt Ion: 83 Resp: 259517

Ion Ratio Lower Upper

83 100

85 64.1 42.4 78.8

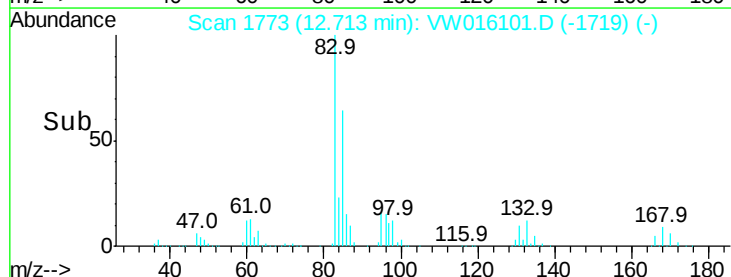
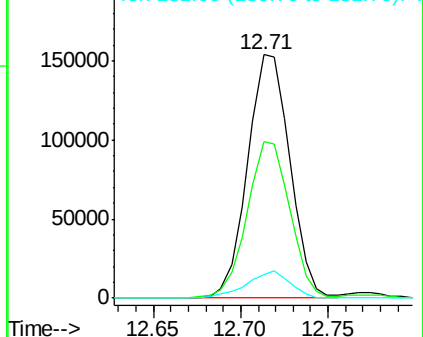
131 9.7 7.8 11.8

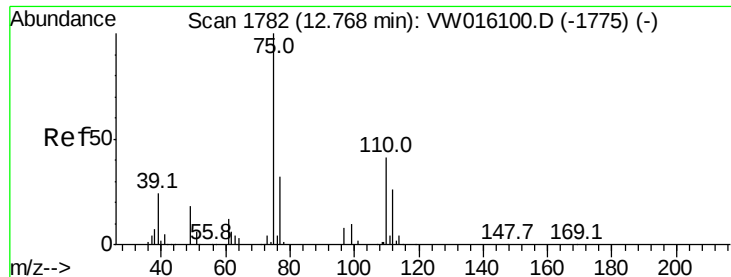


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

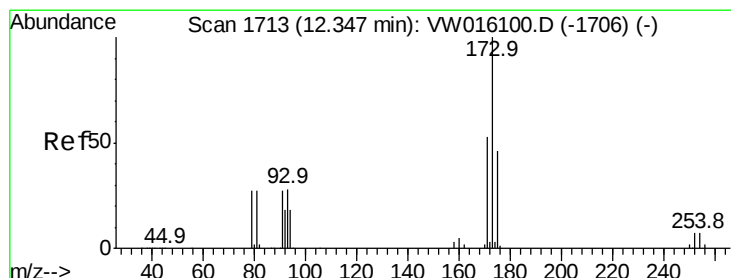
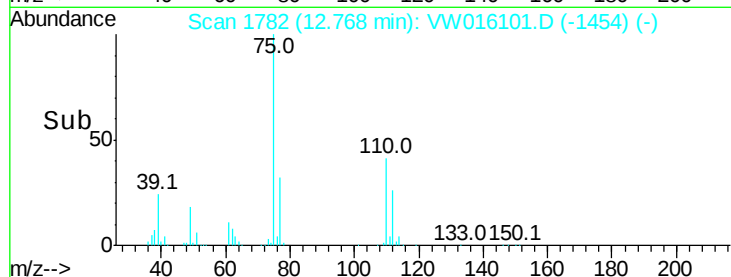
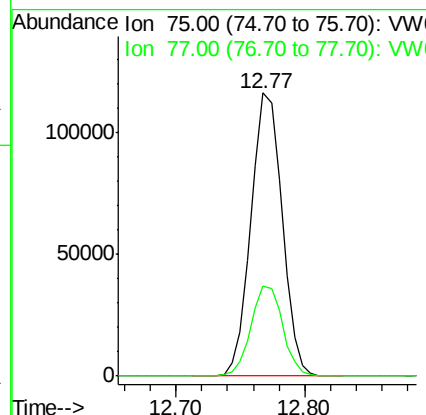
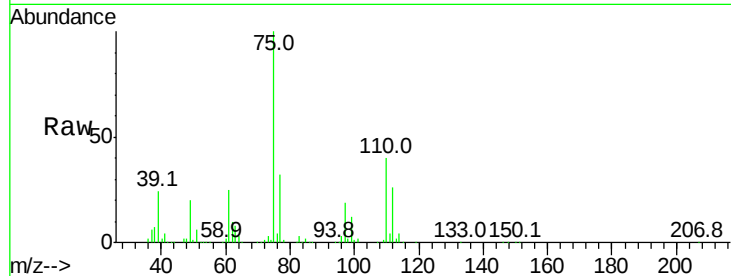




#59
 1,2,3-Trichloropropane
 Concen: 52.274 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

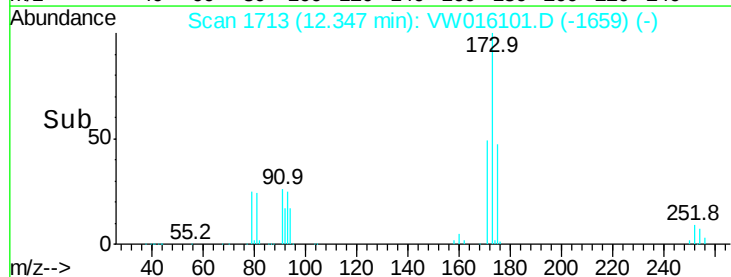
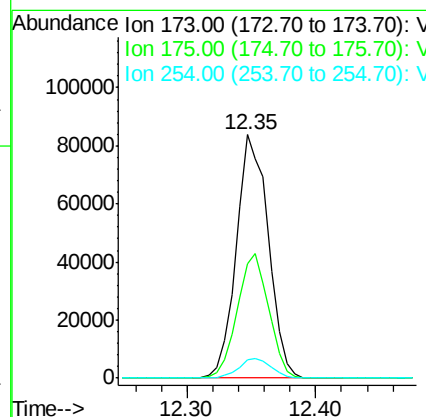
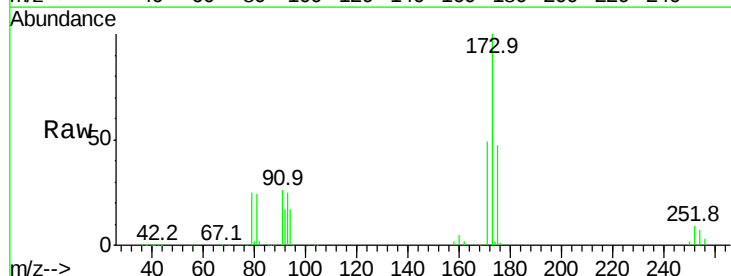
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

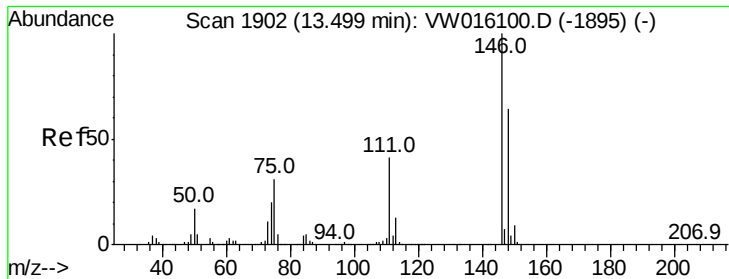
Tgt Ion: 75 Resp: 194064
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.9 38.9



#62
 Bromoform
 Concen: 54.142 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

Tgt Ion: 173 Resp: 144050
 Ion Ratio Lower Upper
 173 100
 175 50.3 37.8 56.6
 254 8.2 6.8 10.2

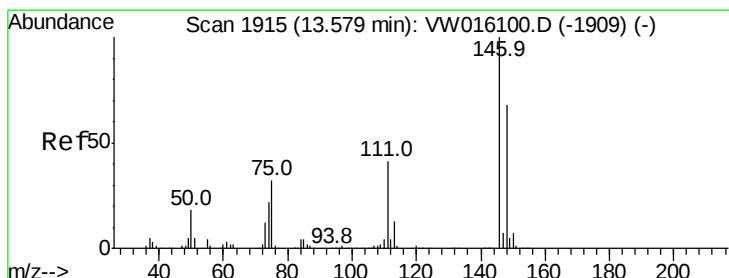
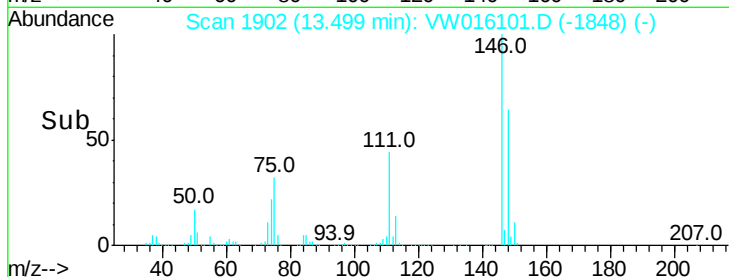
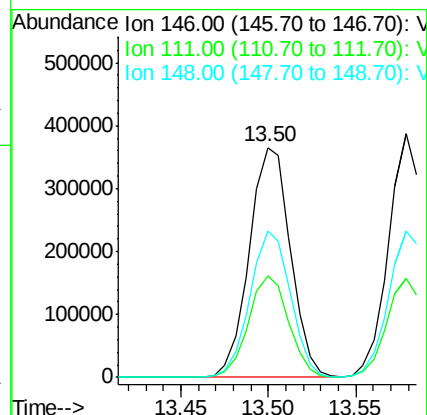
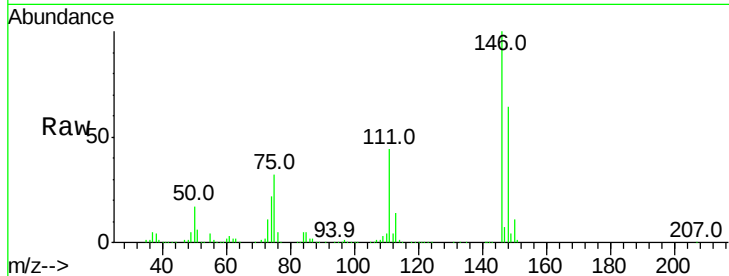




#63
 1,3-Dichlorobenzene
 Concen: 51.605 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

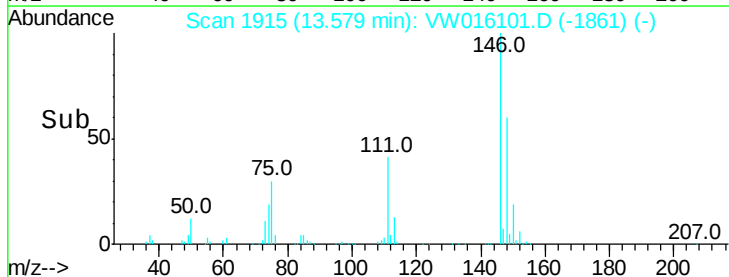
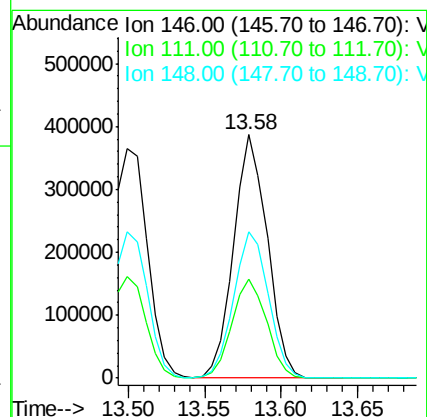
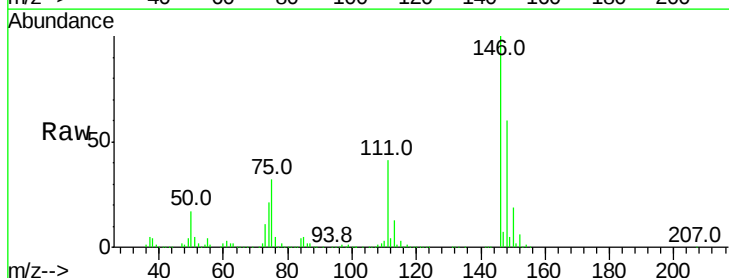
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

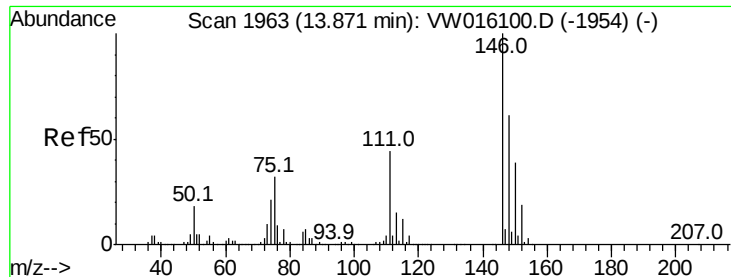
Tgt Ion:146 Resp: 597344
 Ion Ratio Lower Upper
 146 100
 111 44.2 28.9 53.7
 148 63.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 50.404 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

Tgt Ion:146 Resp: 592144
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.6 53.2
 148 60.2 47.7 88.5

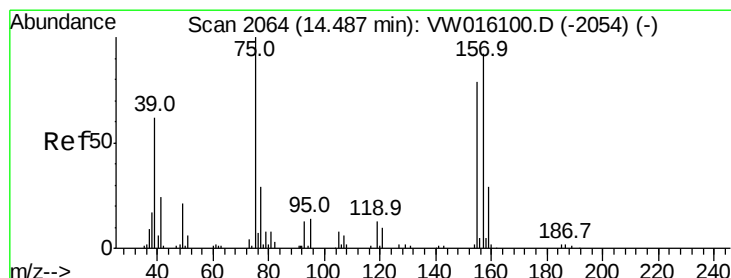
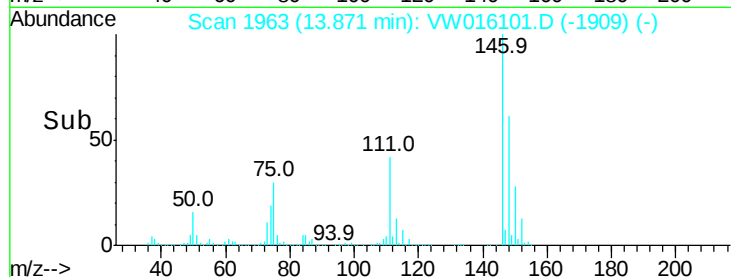
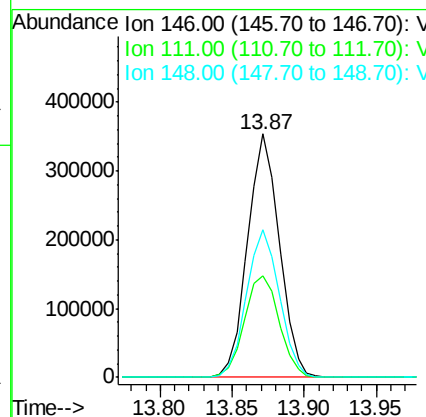
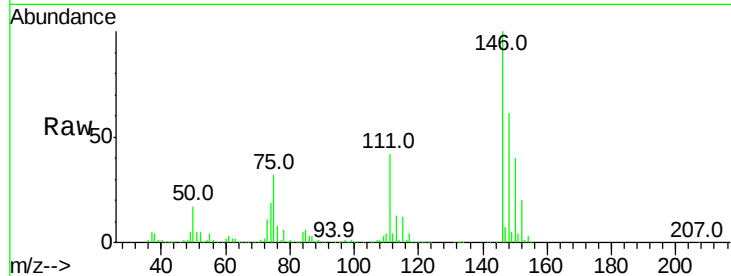




#65
 1,2-Dichlorobenzene
 Concen: 51.445 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

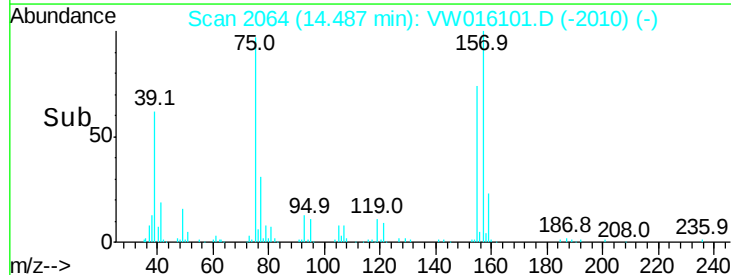
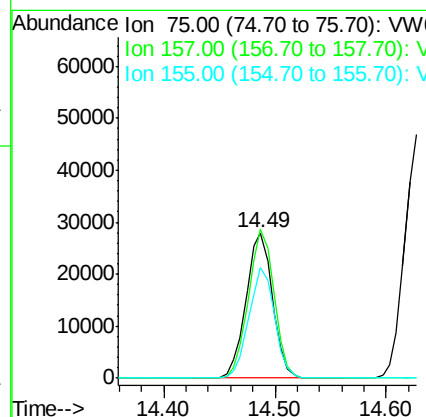
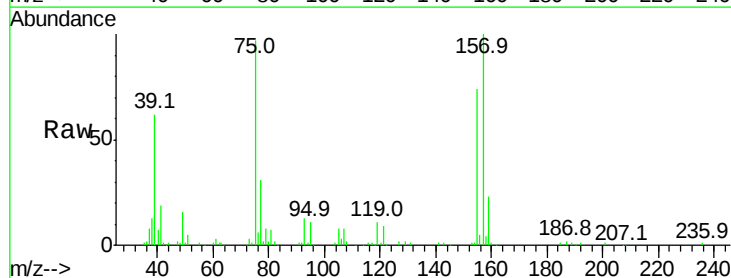
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

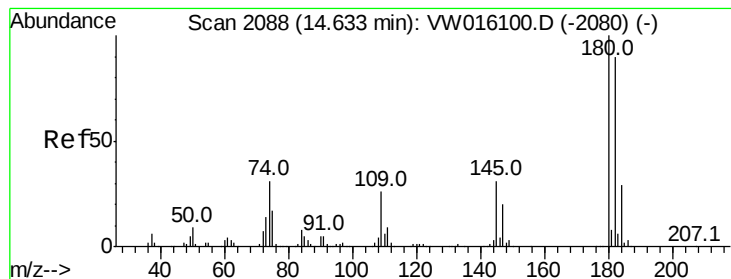
Tgt Ion:146 Resp: 540911
 Ion Ratio Lower Upper
 146 100
 111 41.7 35.3 52.9
 148 60.8 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 57.967 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016101.D
 Acq: 10 Aug 2020 13:14

Tgt Ion: 75 Resp: 45874
 Ion Ratio Lower Upper
 75 100
 157 102.6 73.9 110.9
 155 75.7 63.4 95.2





#67

1,3,5-Trichlorobenzene

Concen: 46.548 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion:180 Resp: 378856

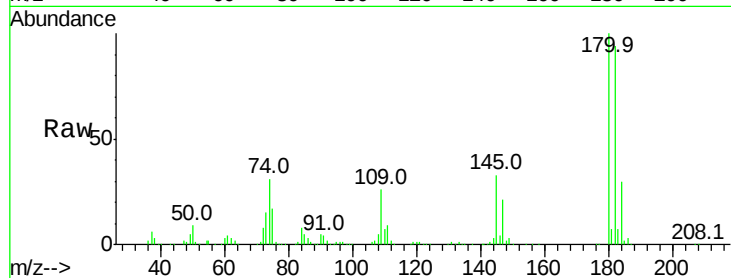
Ion Ratio Lower Upper

180 100

182 91.7 76.3 114.5

184 29.6 25.1 37.7

145 33.3 26.9 40.3

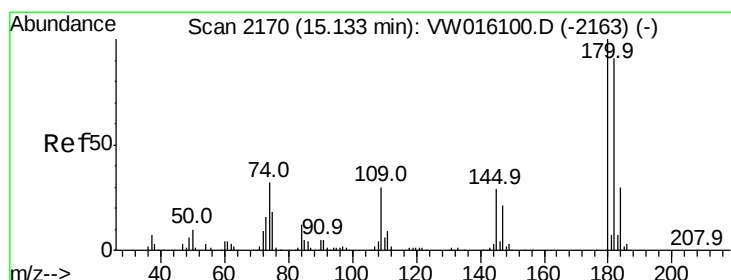
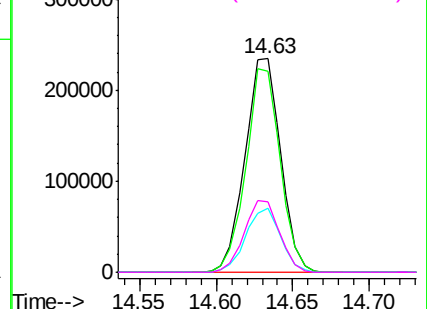
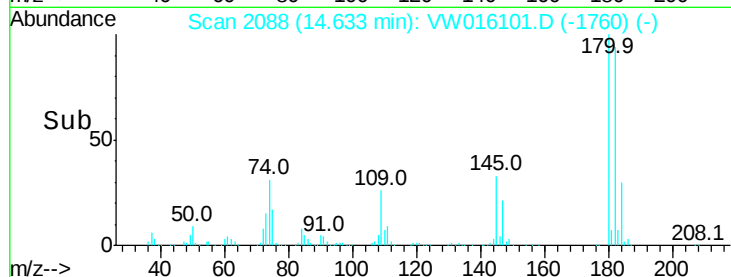


Abundance Ion 180.00 (179.70 to 180.70): V

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: 49.094 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

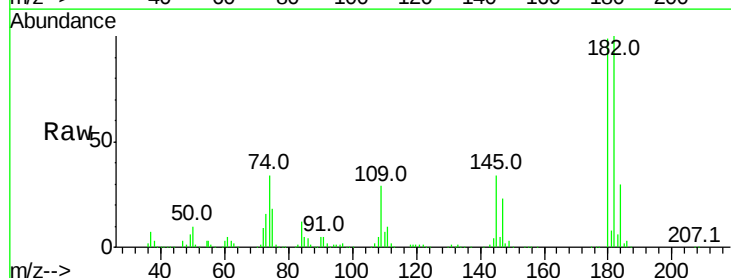
Tgt Ion:180 Resp: 317382

Ion Ratio Lower Upper

180 100

182 96.6 77.8 116.8

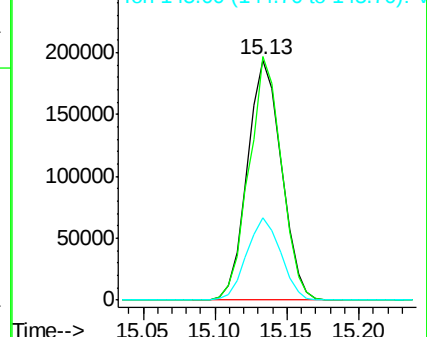
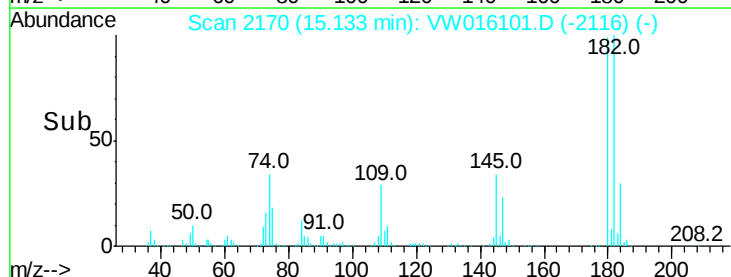
145 34.1 26.5 39.7

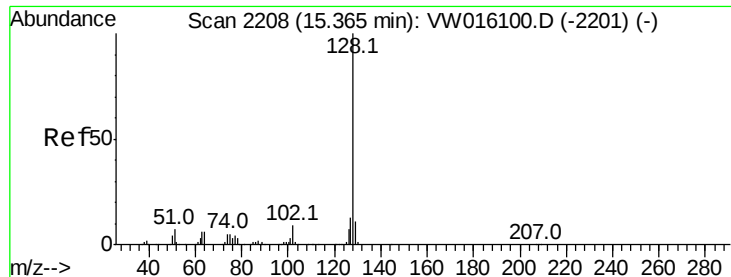


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 57.837 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

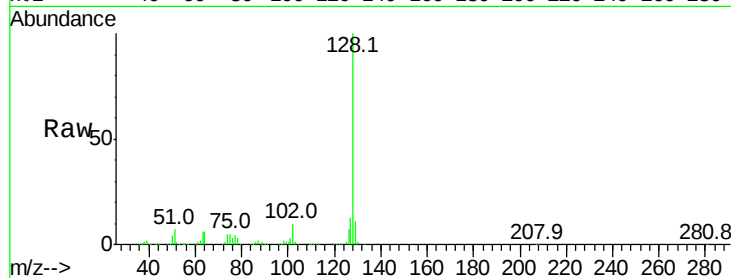
Tgt Ion:128 Resp: 704418

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

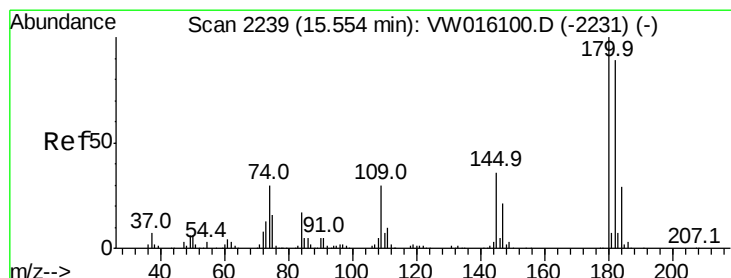
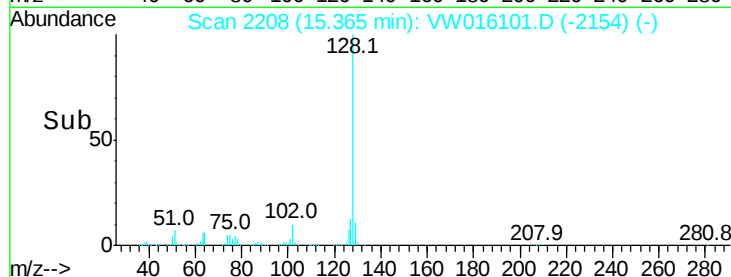
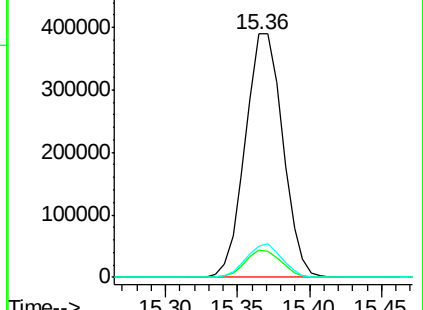
127 13.1 10.3 15.5



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: 48.088 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016101.D

Acq: 10 Aug 2020 13:14

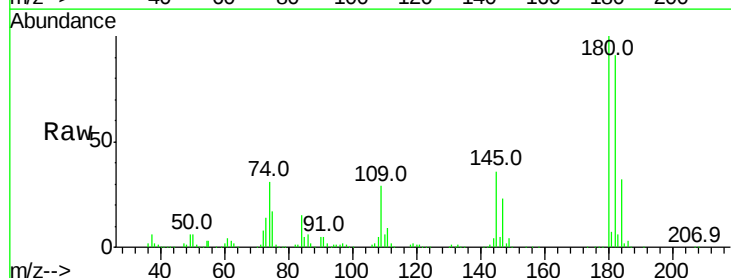
Tgt Ion:180 Resp: 276999

Ion Ratio Lower Upper

180 100

182 96.2 76.0 114.0

145 37.1 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

