

Data File : VW016783.D
Acq On : 06 Oct 2020 06:48
Operator : SY/VA
Sample : VSTD2.506
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5101

Quant Time: Oct 06 08:09:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM100620SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Oct 06 08:08:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	573877	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	522455	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	259130	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	11072	1.84	ug/L	0.00
7) Chloroethane-d5	2.89	69	13217	2.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	28990	2.37	ug/L	0.00
21) 2-Butanone-d5	7.09	46	6808	5.70	ug/L	0.01
24) Chloroform-d	7.65	84	32621	2.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	16015	2.80	ug/L	0.00
32) Benzene-d6	8.27	84	63679	2.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	17833	2.74	ug/L	0.00
41) Toluene-d8	10.32	98	60923	2.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	6944	2.42	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	5038	5.33	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	13998	2.85	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	22948	2.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	16843	2.326 ug/L	89
3) Chloromethane	2.21	50	13764	2.336 ug/L	98
5) Vinyl chloride	2.37	62	14219	1.712 ug/L	97
6) Bromomethane	2.78	94	14582	2.555 ug/L	91
8) Chloroethane	2.93	64	12481	2.592 ug/L	94
9) Trichlorofluoromethane	3.26	101	13181	1.913 ug/L	98
12) 1,1-Dichloroethene	4.05	96	17635	2.345 ug/L	98
13) Acetone	4.12	43	7308	8.311 ug/L	97
14) Carbon disulfide	4.39	76	45448	1.977 ug/L	98
15) Methyl Acetate	4.67	43	6001	2.719 ug/L	# 68
16) Methylene chloride	4.92	84	27685	3.271 ug/L	92
17) trans-1,2-Dichloroethene	5.43	96	19734	2.535 ug/L	98
18) Methyl tert-butyl Ether	5.43	73	21896	2.593 ug/L	99
19) 1,1-Dichloroethane	6.21	63	31027	2.564 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	19975	2.503 ug/L	99
22) 2-Butanone	7.18	43	7948	5.265 ug/L	95
23) Bromochloromethane	7.52	128	9572	2.553 ug/L	94
25) Chloroform	7.68	83	33103	2.549 ug/L	97
27) 1,2-Dichloroethane	8.40	62	20260	2.642 ug/L	# 93
29) Cyclohexane	7.96	56	25606	2.317 ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	28072	2.472 ug/L	99
31) Carbon tetrachloride	8.07	117	26409	2.355 ug/L	97
33) Benzene	8.33	78	72763	2.557 ug/L	100
34) Trichloroethene	9.09	95	20587	2.567 ug/L	98
35) Methylcyclohexane	9.34	83	32310	2.377 ug/L	98
37) 1,2-Dichloropropane	9.37	63	16835	2.608 ug/L	98
38) Bromodichloromethane	9.65	83	22915	2.531 ug/L	100
39) cis-1,3-Dichloropropene	10.07	75	23777	2.293 ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	16362	5.178 ug/L	98
42) Toluene	10.39	91	78212	2.467 ug/L	98

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Quant Title : SFAM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.61	75	19606	2.226	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	13745	2.659	ug/L	93
46) Tetrachloroethene	10.87	164	19092	2.600	ug/L	81
48) 2-Hexanone	10.97	43	10047	4.839	ug/L	97
49) Dibromochloromethane	11.13	129	15442	2.350	ug/L	96
50) 1,2-Dibromoethane	11.24	107	12244	2.421	ug/L	93
51) Chlorobenzene	11.66	112	54954	2.612	ug/L	99
52) Ethylbenzene	11.73	91	87153	2.462	ug/L	99
53) m,p-Xylene	11.84	106	33702	2.428	ug/L	96
54) o-Xylene	12.16	106	30978	2.367	ug/L	85
55) Styrene	12.18	104	50793	2.337	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	14484	2.604	ug/L #	96
59) Bromoform	12.35	173	8979	2.415	ug/L	98
60) Isopropylbenzene	12.46	105	83940	2.361	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	11119	2.748	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	66217	2.285	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	64214	2.372	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	43488	2.624	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	43367	2.640	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	37352	2.561	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.49	75	2036	2.347	ug/L	91
69) 1,3,5-Trichlorobenzene	14.63	180	30040	2.475	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	23721	2.476	ug/L	99
71) Naphthalene	15.37	128	35194	2.285	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	19690	2.434	ug/L	93

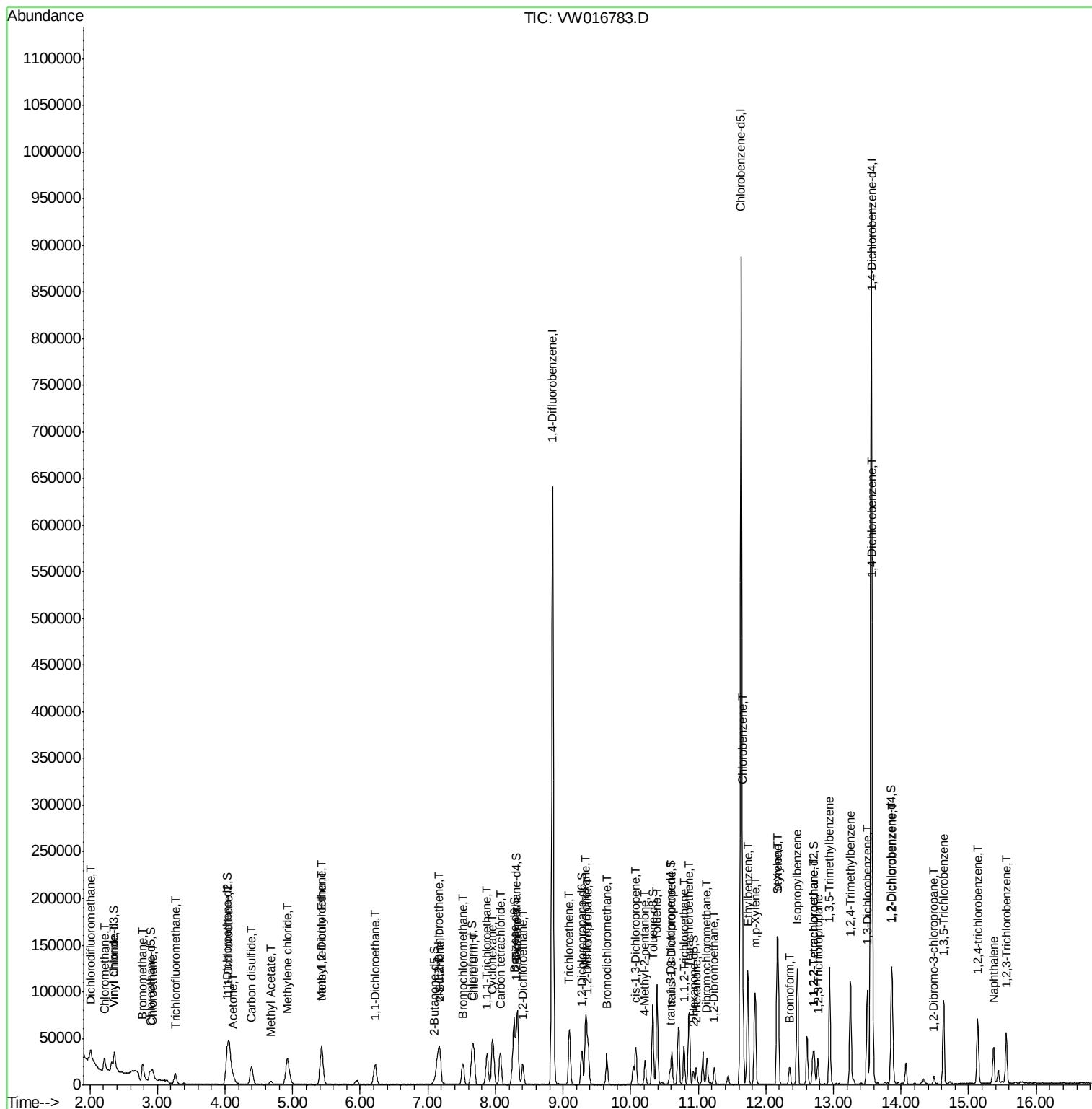
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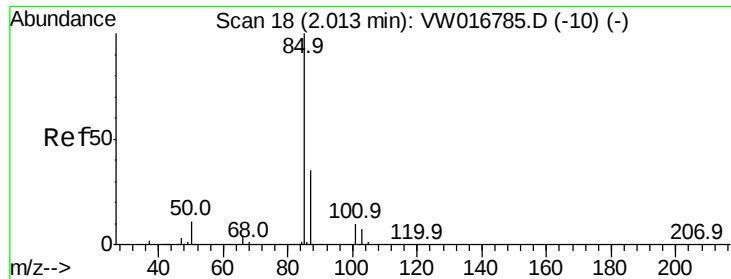
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#2

Dichlorodifluoromethane

Concen: 2.326 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

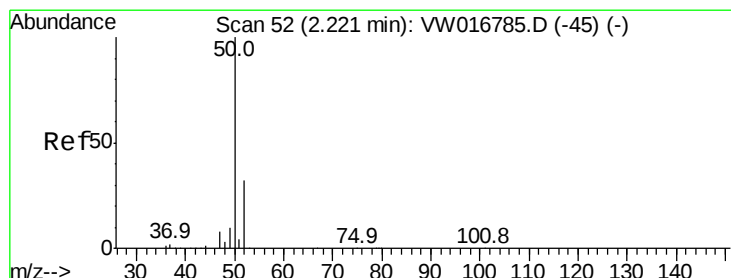
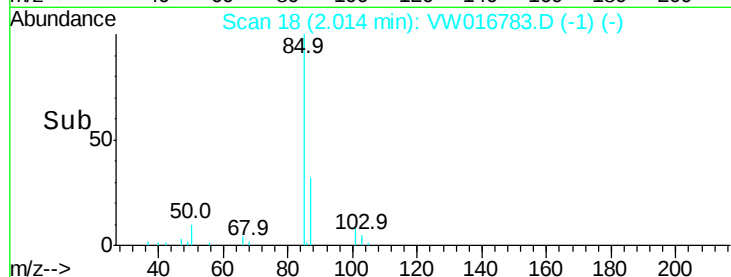
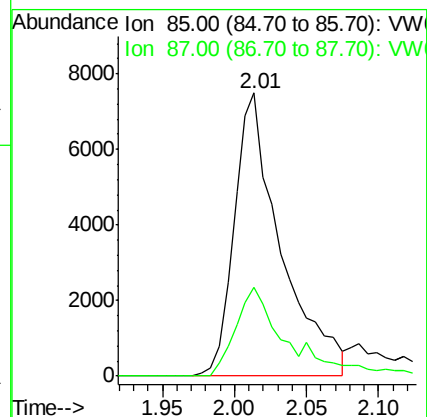
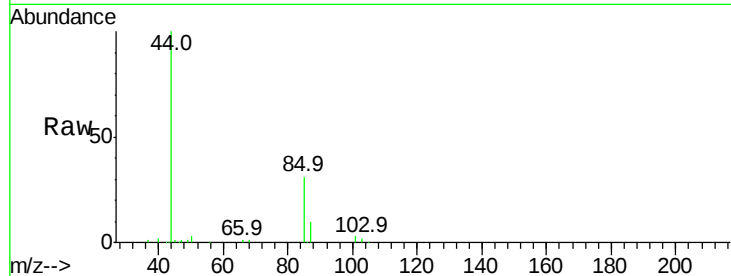
VSTD2.5101

Tgt Ion: 85 Resp: 16843

Ion Ratio Lower Upper

85 100

87 27.1 26.6 40.0



#3

Chloromethane

Concen: 2.336 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016783.D

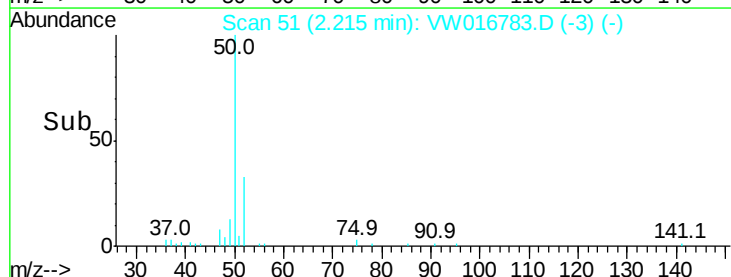
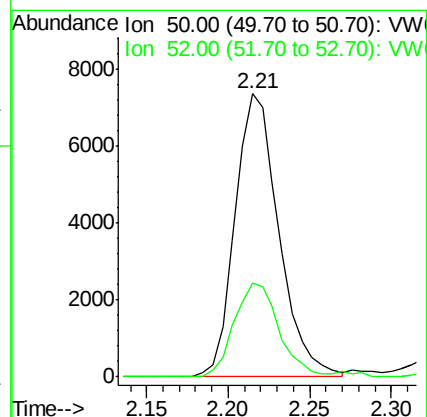
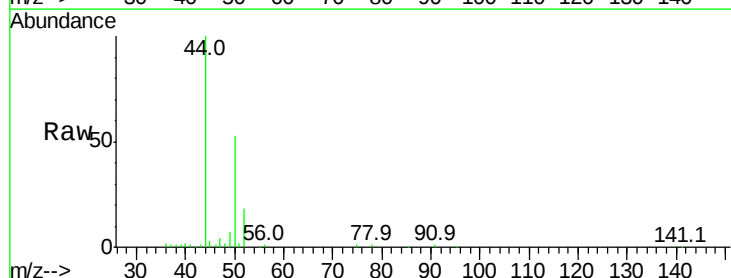
Acq: 06 Oct 2020 06:48

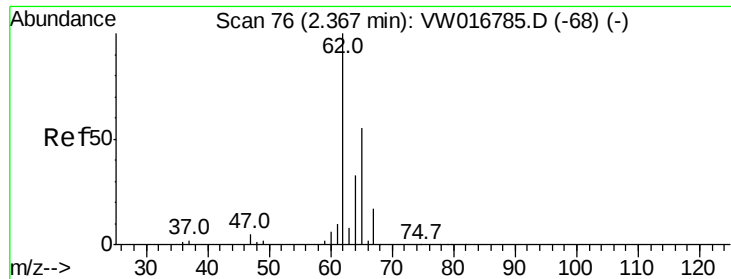
Tgt Ion: 50 Resp: 13764

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.1





#5

Vinyl chloride

Concen: 1.712 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

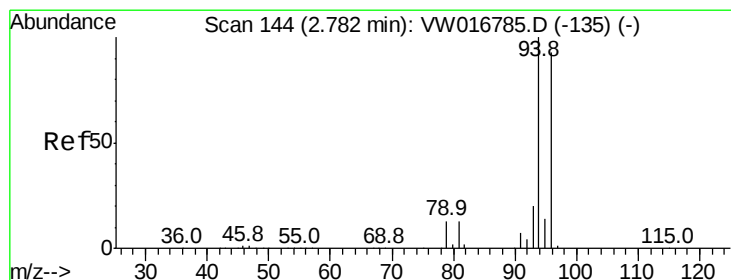
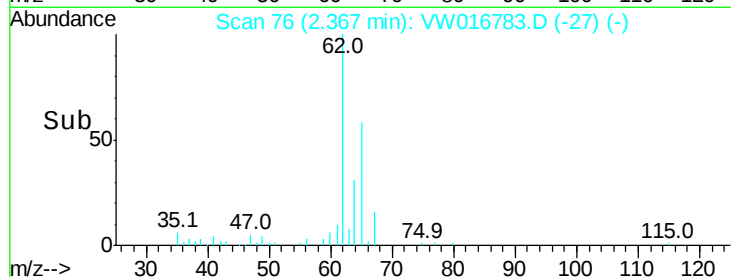
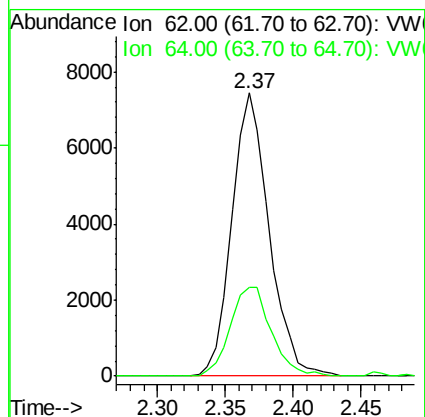
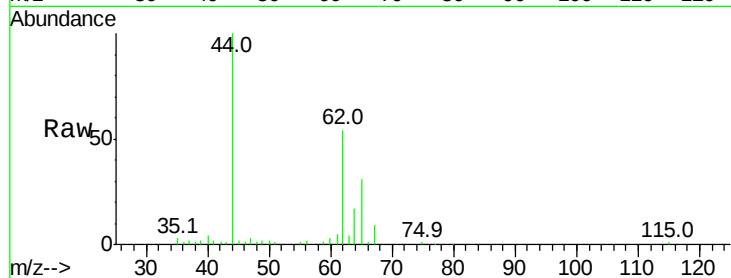
VSTD2.5101

Tgt Ion: 62 Resp: 14219

Ion Ratio Lower Upper

62 100

64 31.3 23.1 42.9



#6

Bromomethane

Concen: 2.555 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016783.D

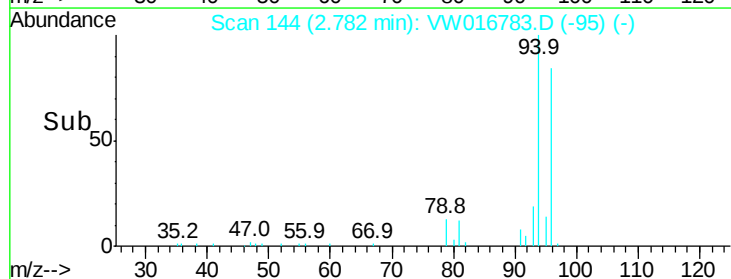
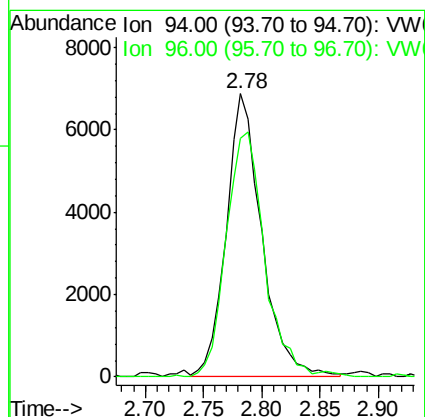
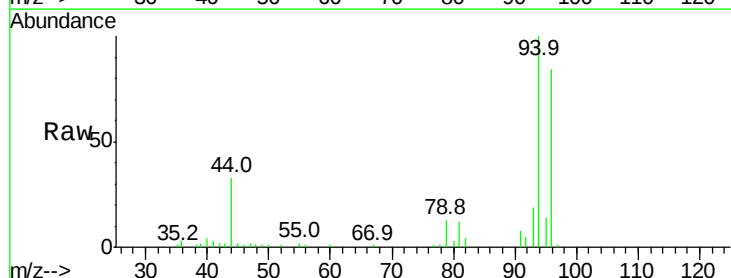
Acq: 06 Oct 2020 06:48

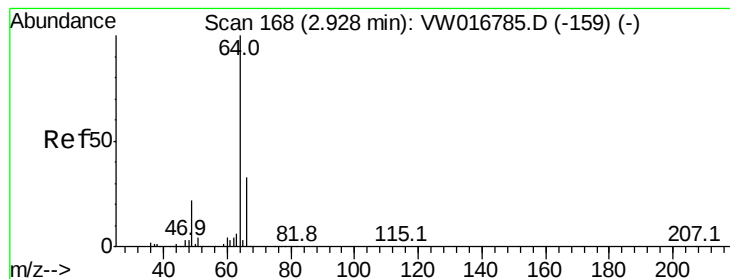
Tgt Ion: 94 Resp: 14582

Ion Ratio Lower Upper

94 100

96 84.1 65.2 121.0





#8

Chloroethane

Concen: 2.592 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampled :

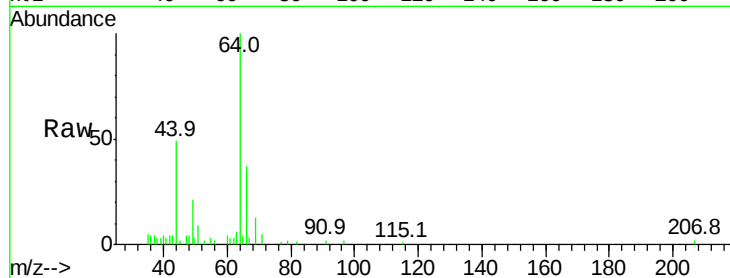
VSTD2.5101

Tgt Ion: 64 Resp: 12481

Ion Ratio Lower Upper

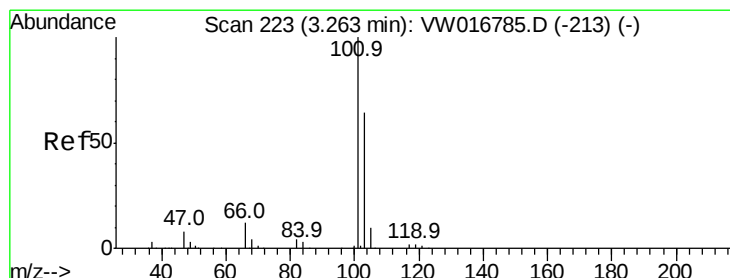
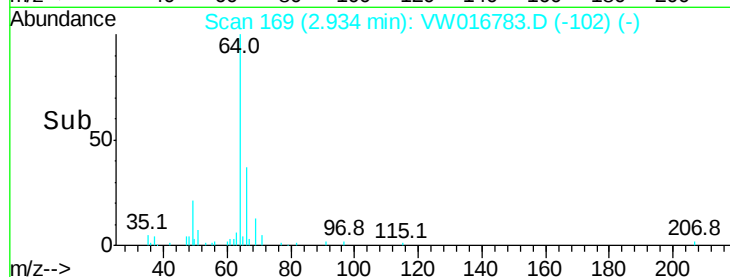
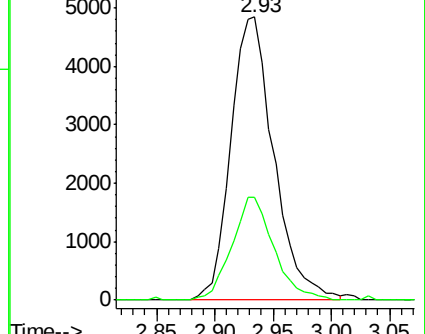
64 100

66 36.5 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 1.913 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016783.D

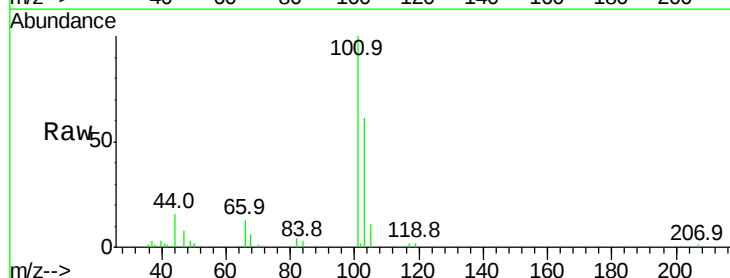
Acq: 06 Oct 2020 06:48

Tgt Ion: 101 Resp: 13181

Ion Ratio Lower Upper

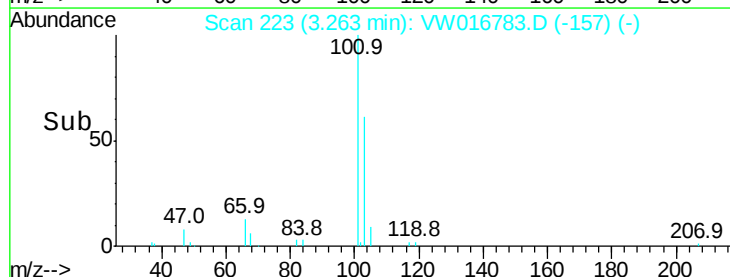
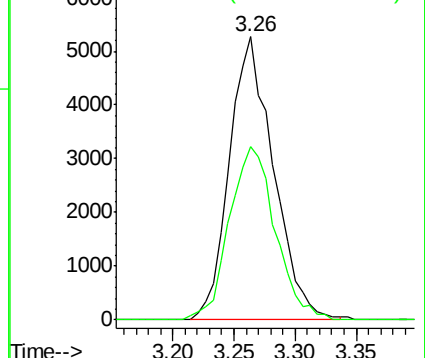
101 100

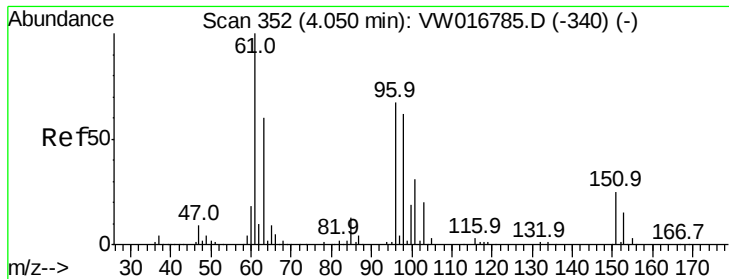
103 63.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1-Dichloroethene

Concen: 2.345 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

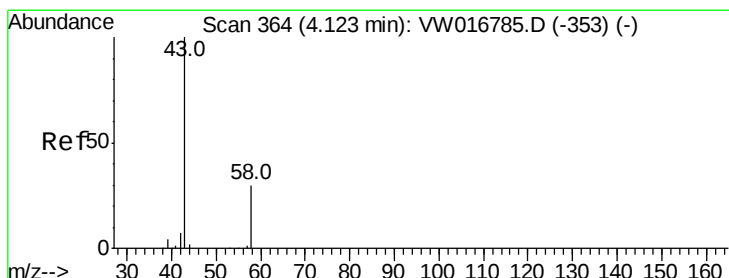
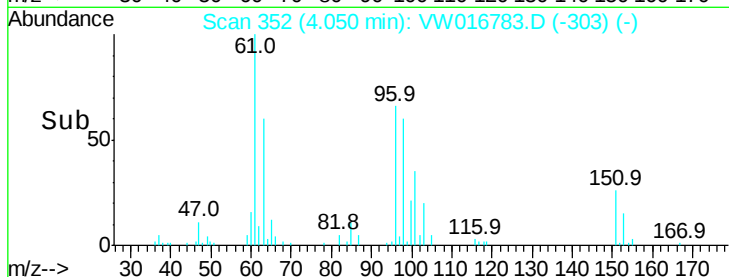
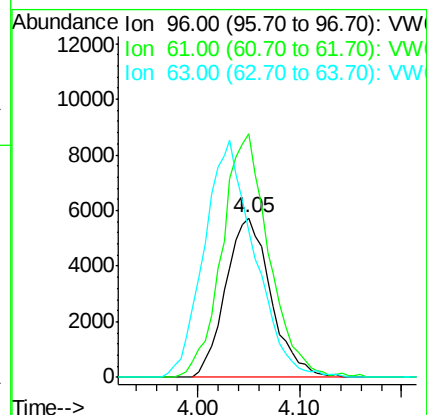
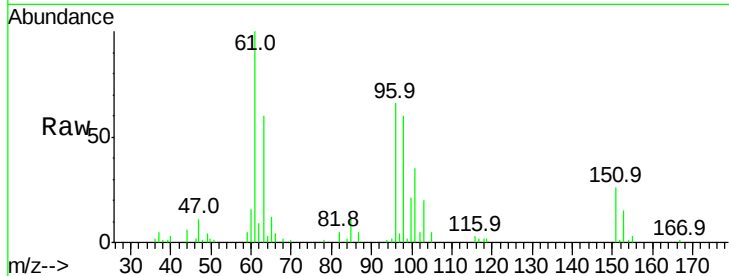
Tgt Ion: 96 Resp: 17635

Ion Ratio Lower Upper

96 100

61 152.7 104.9 194.9

63 92.1 65.9 122.3



#13

Acetone

Concen: 8.311 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW016783.D

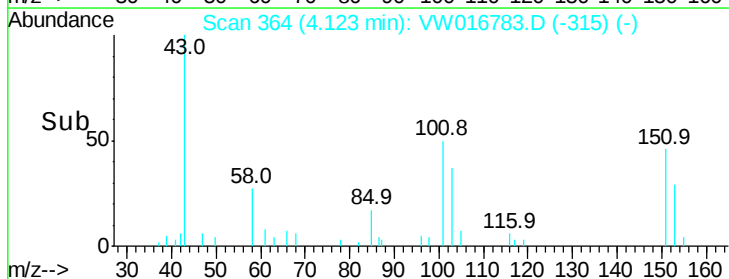
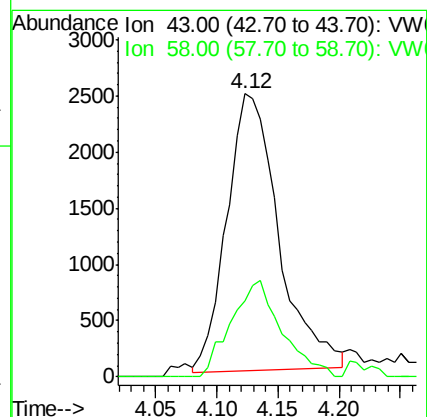
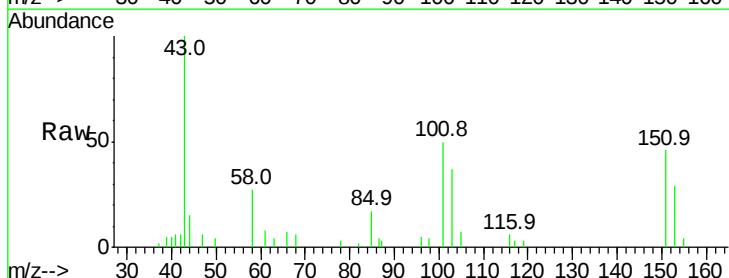
Acq: 06 Oct 2020 06:48

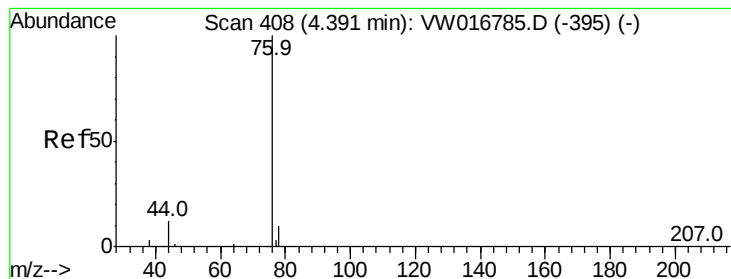
Tgt Ion: 43 Resp: 7308

Ion Ratio Lower Upper

43 100

58 33.7 0.0 63.6





#14

Carbon disulfide

Concen: 1.977 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

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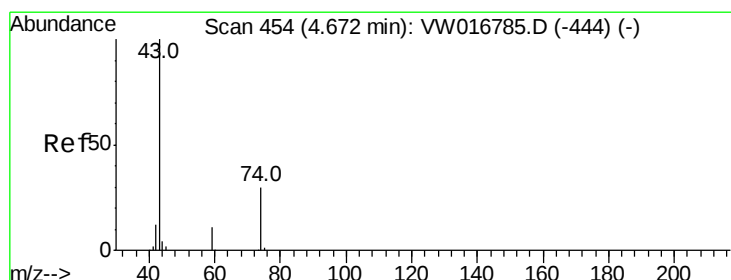
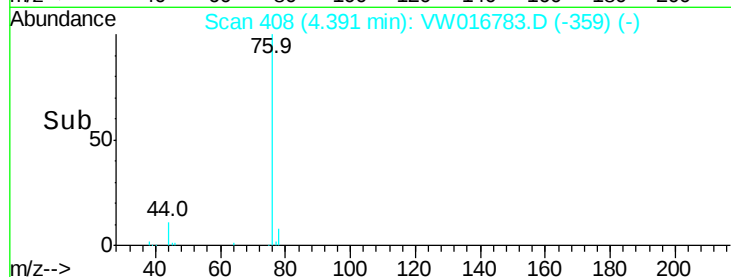
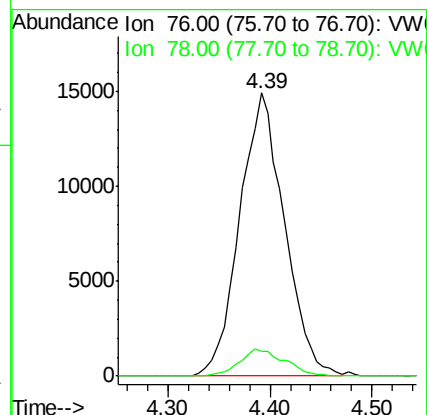
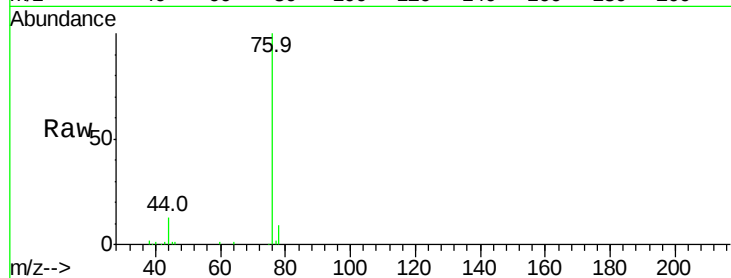
VSTD2.5101

Tgt Ion: 76 Resp: 45448

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4



#15

Methyl Acetate

Concen: 2.719 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016783.D

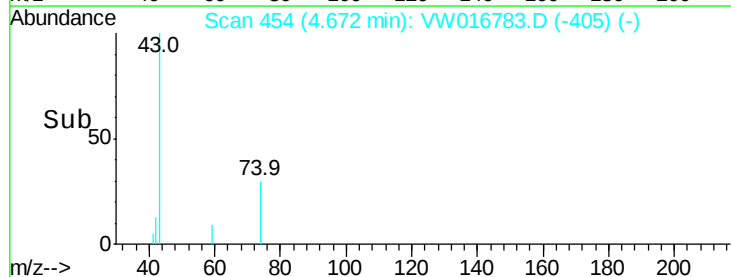
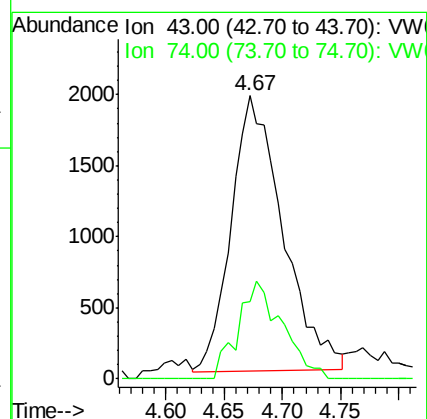
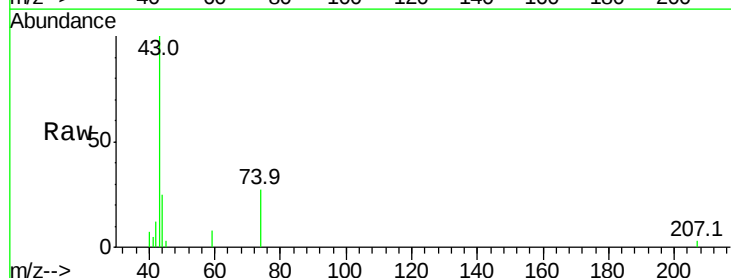
Acq: 06 Oct 2020 06:48

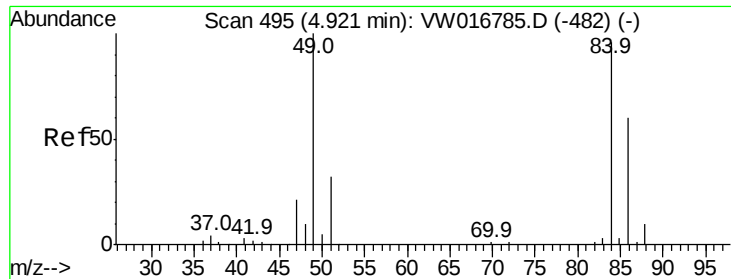
Tgt Ion: 43 Resp: 6001

Ion Ratio Lower Upper

43 100

74 11.5 22.7 34.1#

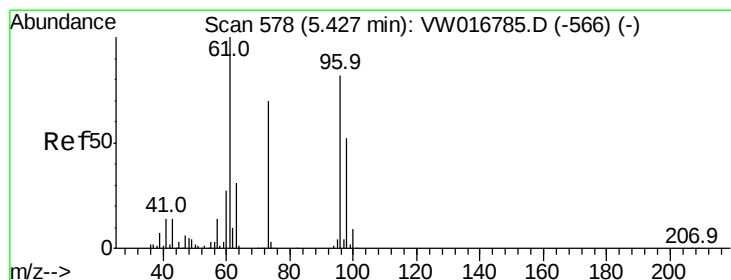
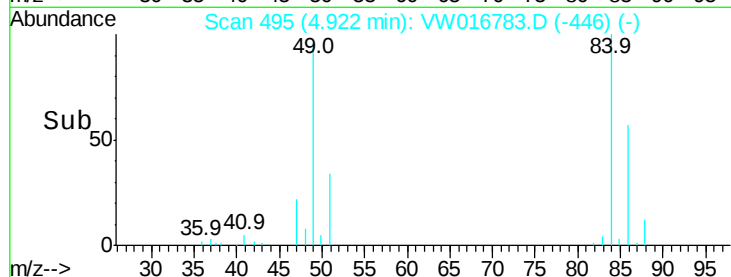
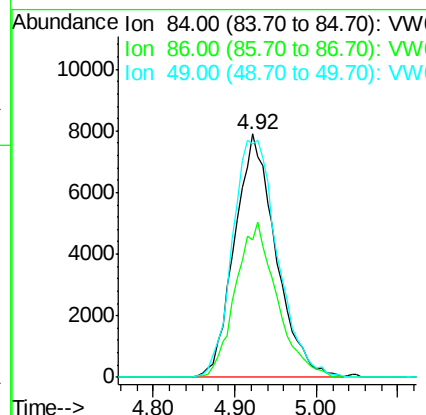
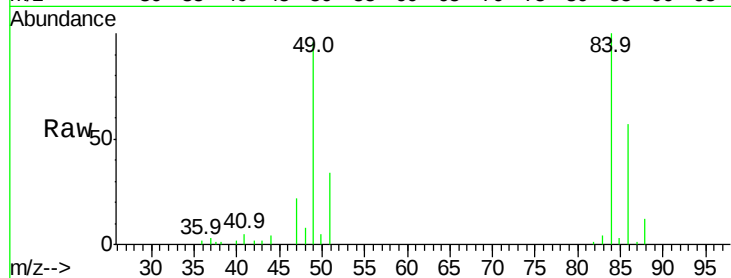




#16
Methylene chloride
Concen: 3.271 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

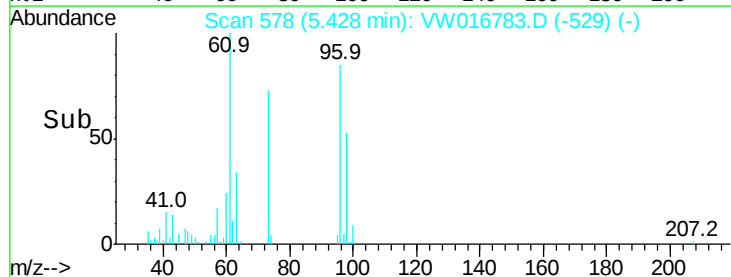
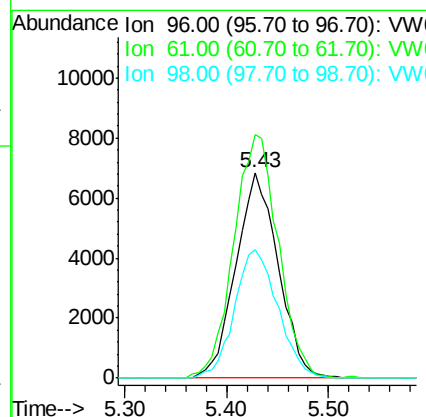
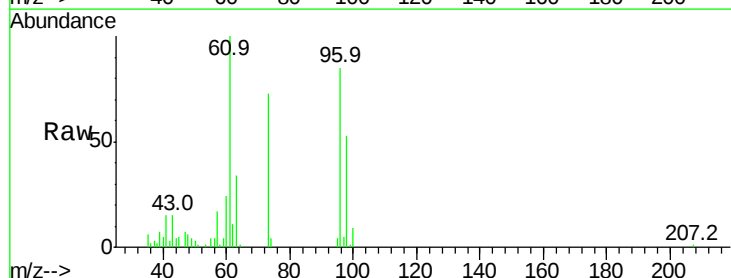
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5101

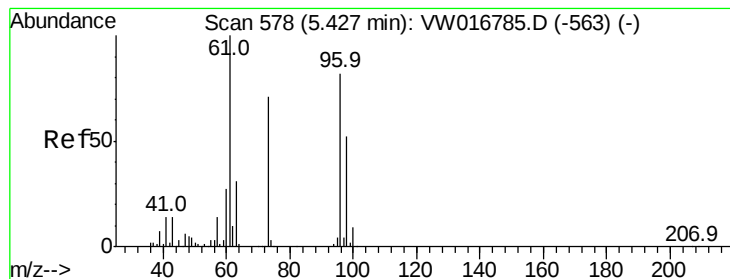
Tgt Ion: 84 Resp: 27685
Ion Ratio Lower Upper
84 100
86 56.6 44.3 82.3
49 96.1 73.3 136.1



#17
trans-1,2-Dichloroethene
Concen: 2.535 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Tgt Ion: 96 Resp: 19734
Ion Ratio Lower Upper
96 100
61 118.3 85.3 158.5
98 62.7 44.1 81.9





#18

Methyl tert-butyl Ether

Concen: 2.593 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

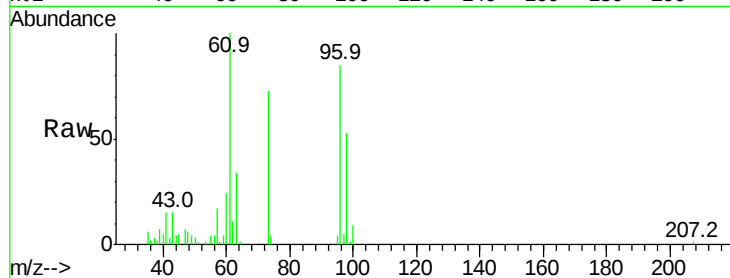
Tgt Ion: 73 Resp: 21896

Ion Ratio Lower Upper

73 100

43 19.6 14.9 22.3

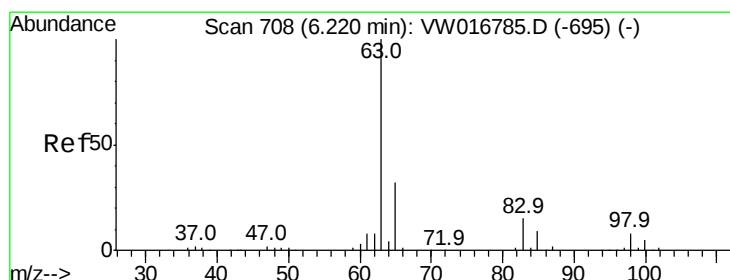
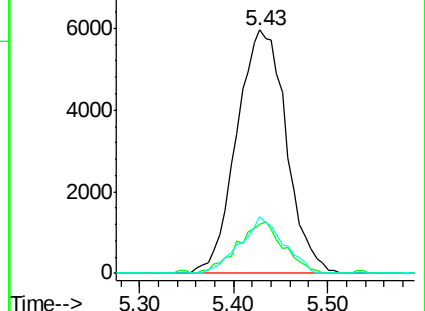
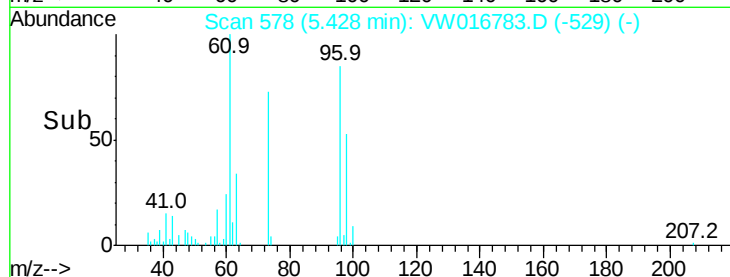
57 20.3 16.4 24.6



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



#19

1,1-Dichloroethane

Concen: 2.564 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

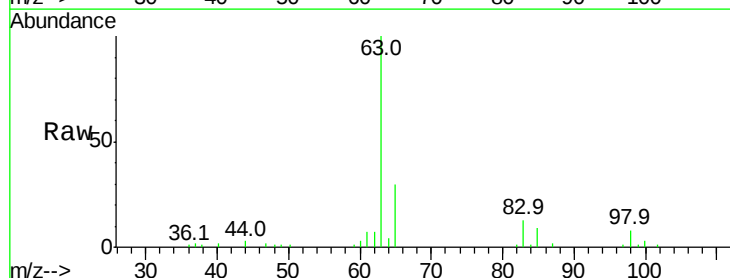
Tgt Ion: 63 Resp: 31027

Ion Ratio Lower Upper

63 100

65 29.9 22.3 41.5

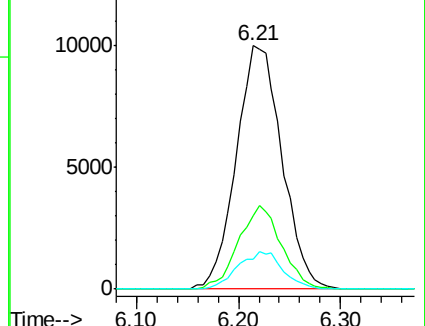
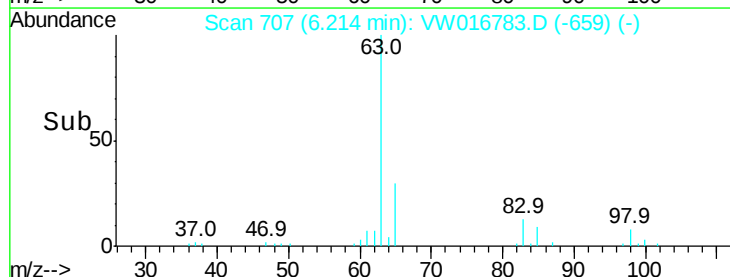
83 12.5 10.2 19.0

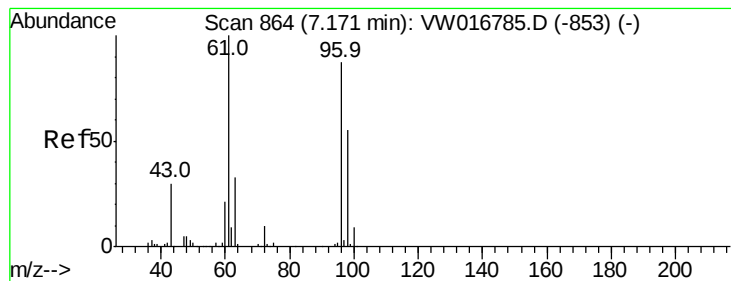


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



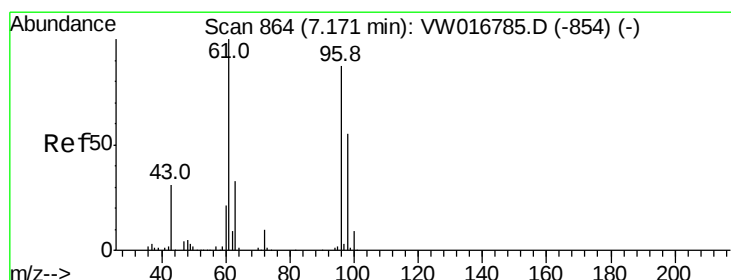
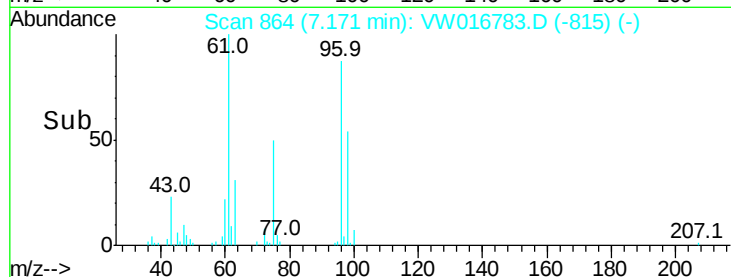
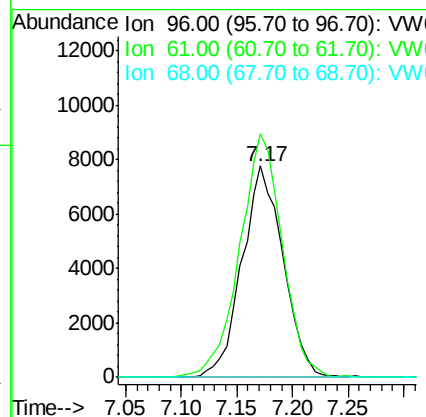
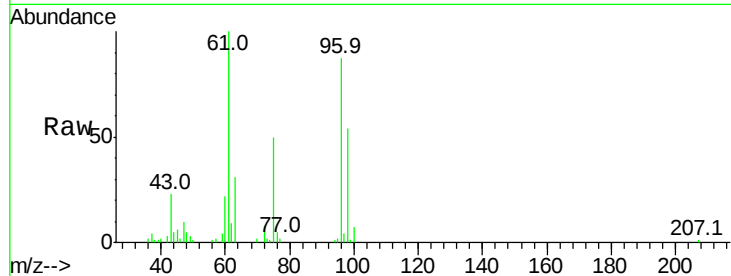


#20

cis-1,2-Dichloroethene
 Concen: 2.503 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5101

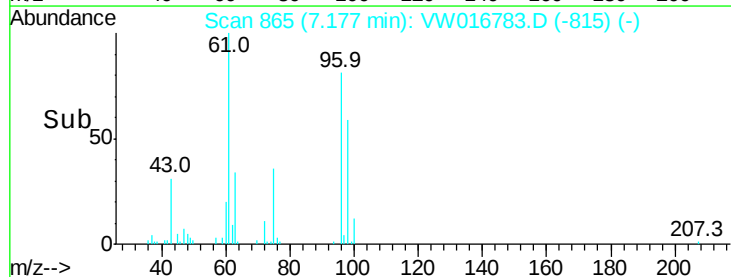
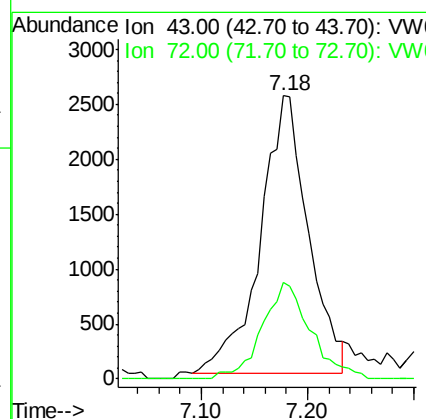
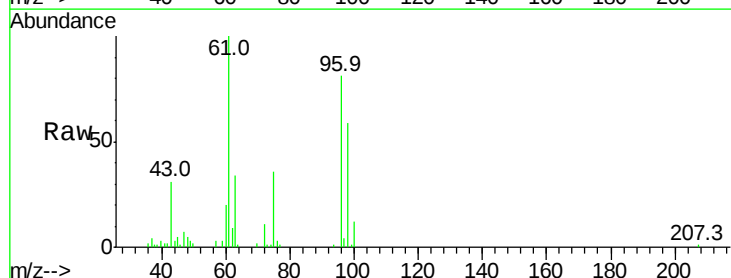
Tgt Ion: 96 Resp: 19975
 Ion Ratio Lower Upper
 96 100
 61 115.3 80.3 149.1
 68 0.0 0.0 0.0

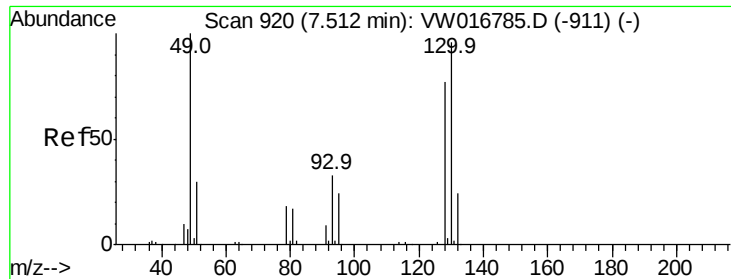


#22

2-Butanone
 Concen: 5.265 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Tgt Ion: 43 Resp: 7948
 Ion Ratio Lower Upper
 43 100
 72 34.0 15.7 47.1

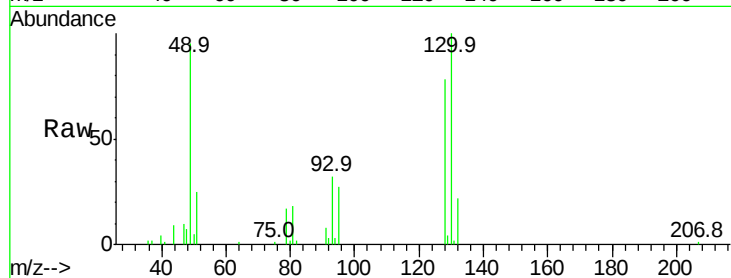




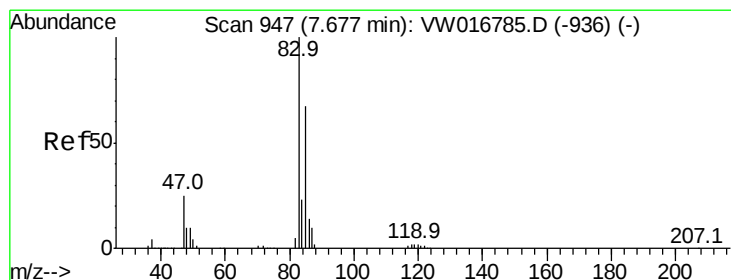
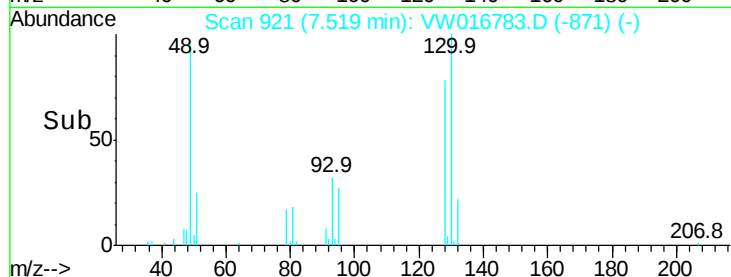
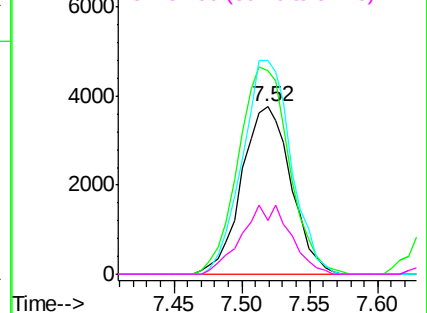
#23
Bromochloromethane
Concen: 2.553 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5101

Tgt Ion:128 Resp: 9572
Ion Ratio Lower Upper
128 100
49 121.3 91.1 169.3
130 127.4 87.6 162.6
51 31.7 31.6 47.4

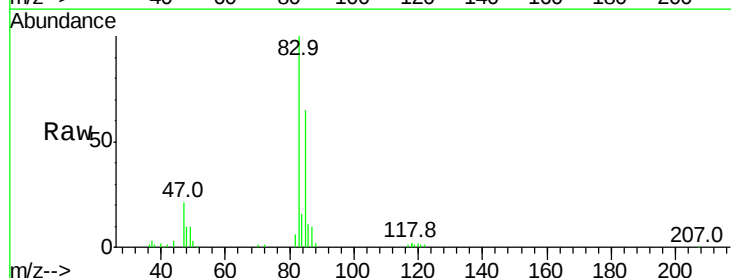


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

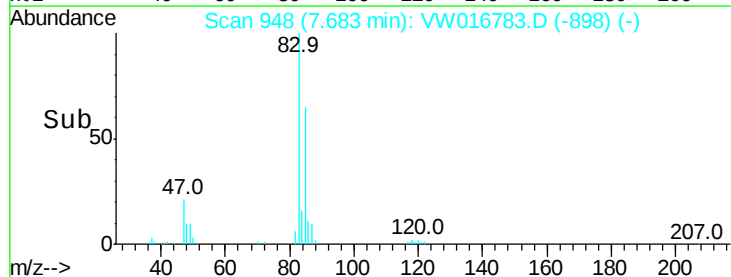
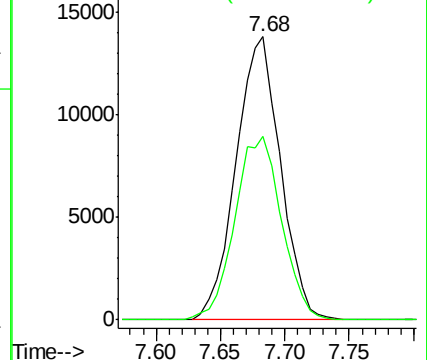


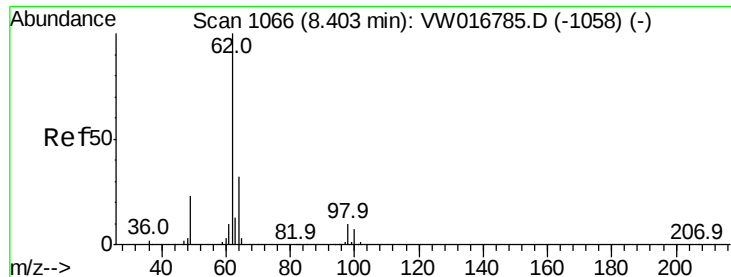
#25
Chloroform
Concen: 2.549 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Tgt Ion: 83 Resp: 33103
Ion Ratio Lower Upper
83 100
85 64.8 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV

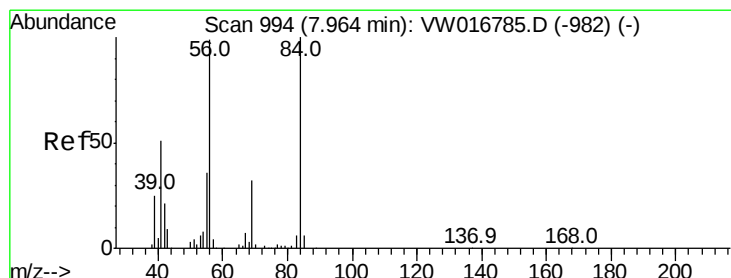
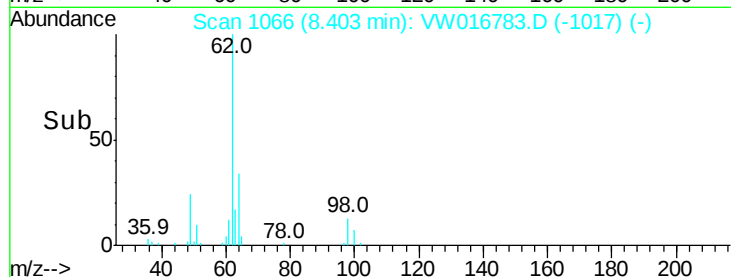
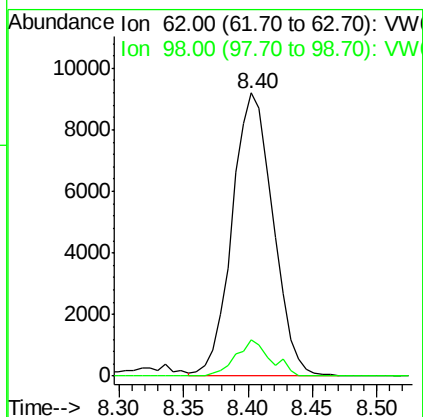
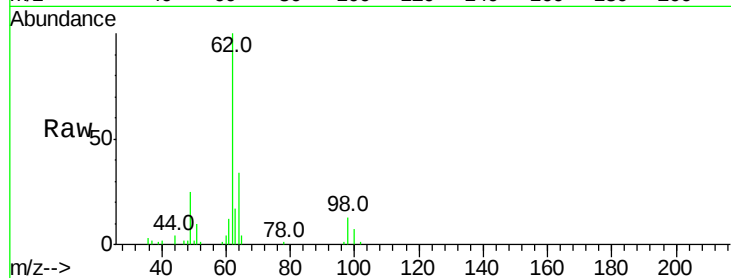




#27
 1,2-Dichloroethane
 Concen: 2.642 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

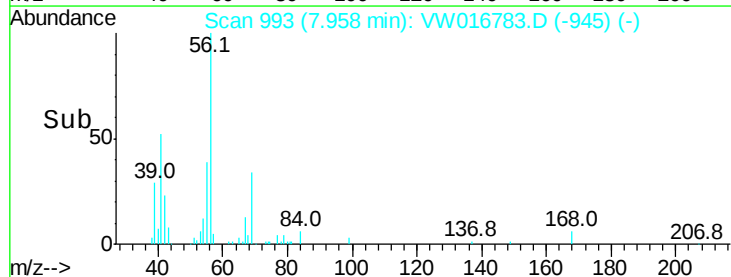
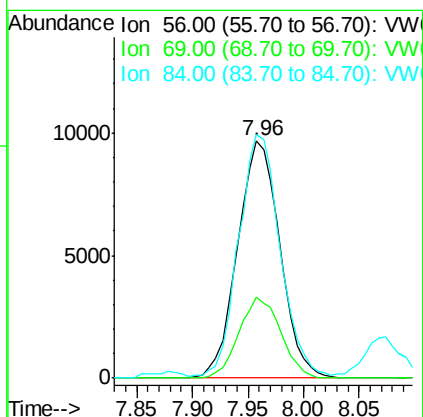
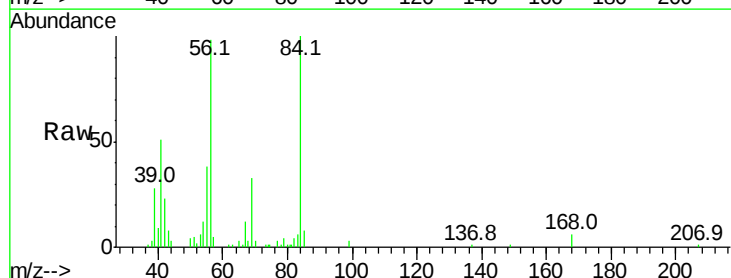
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5101

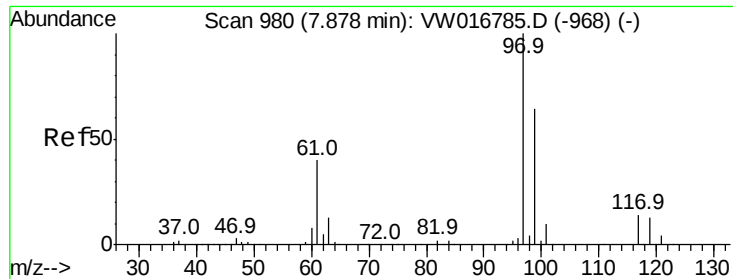
Tgt Ion: 62 Resp: 20260
 Ion Ratio Lower Upper
 62 100
 98 12.9 8.2 12.4#



#29
 Cyclohexane
 Concen: 2.317 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Tgt Ion: 56 Resp: 25606
 Ion Ratio Lower Upper
 56 100
 69 33.4 26.3 39.5
 84 101.4 81.1 121.7

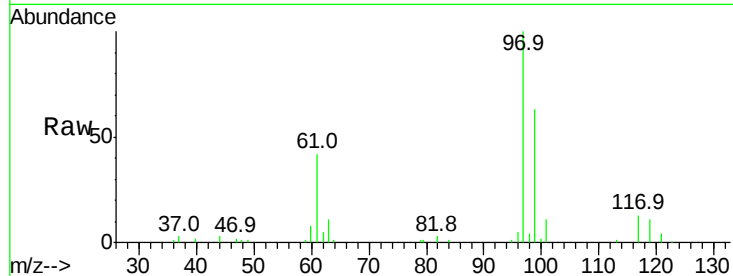




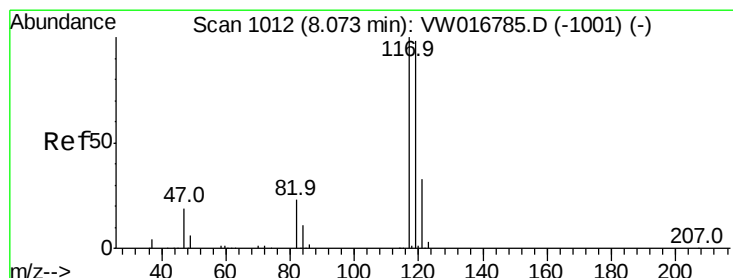
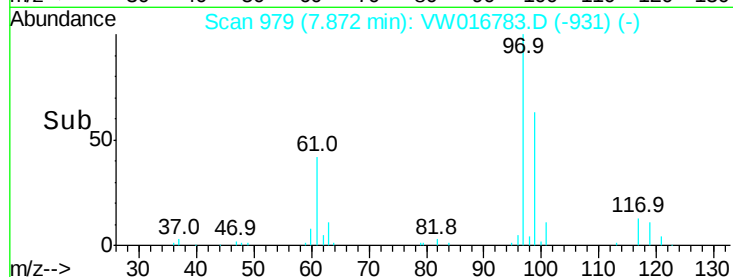
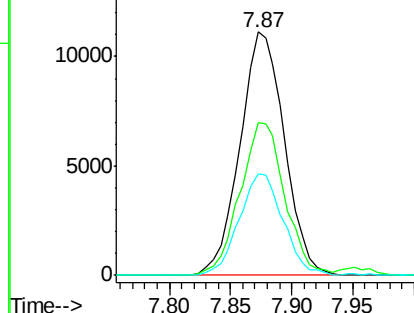
#30
 1,1,1-Trichloroethane
 Concen: 2.472 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5101

Tgt Ion: 97 Resp: 28072
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.4
 61 41.0 32.2 48.2

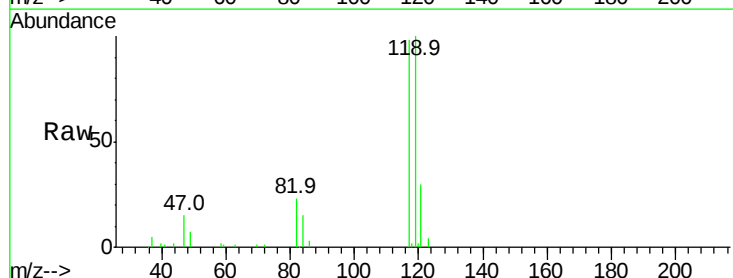


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 99.00 (98.70 to 99.70): VW
 Ion 61.05 (60.75 to 61.75): VW

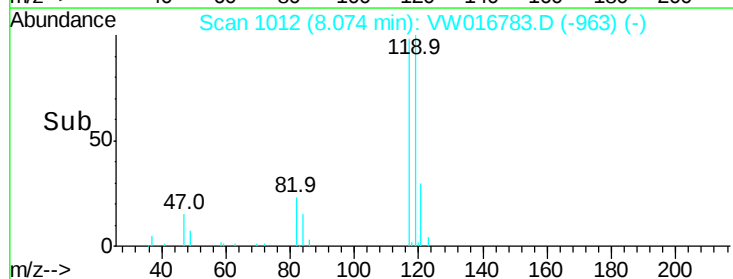
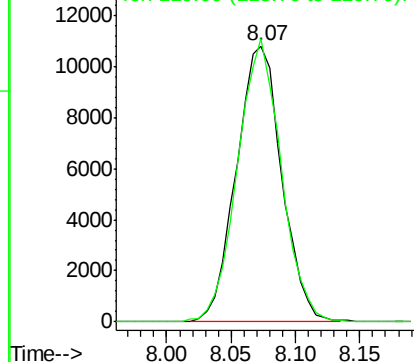


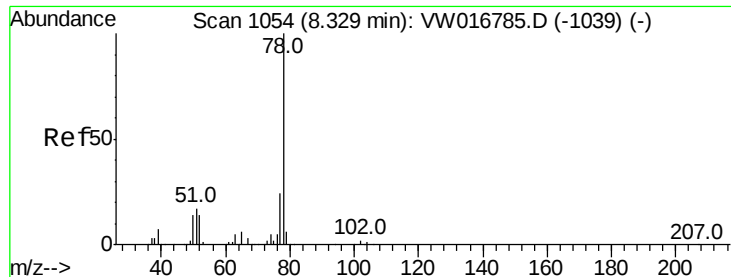
#31
 Carbon tetrachloride
 Concen: 2.355 ug/L
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Tgt Ion: 117 Resp: 26409
 Ion Ratio Lower Upper
 117 100
 119 98.4 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

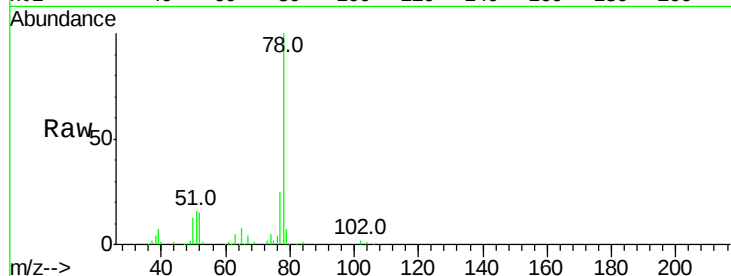




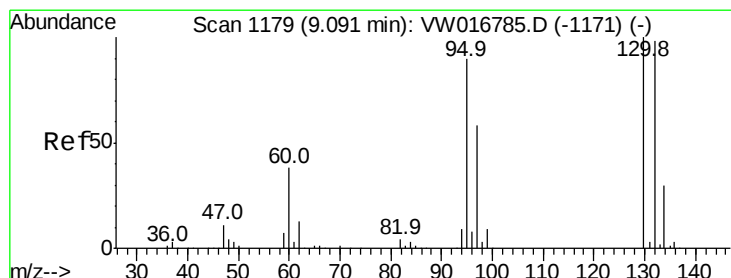
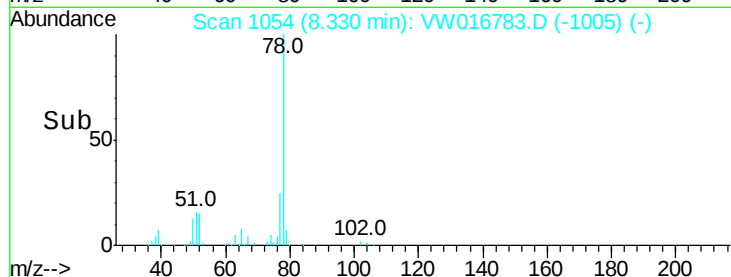
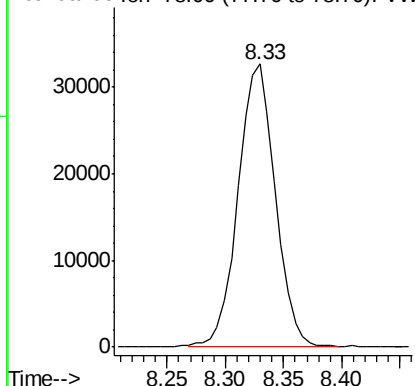
#33
Benzene
Concen: 2.557 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5101

Tgt Ion: 78 Resp: 72763



Abundance Ion 78.00 (77.70 to 78.70): VW

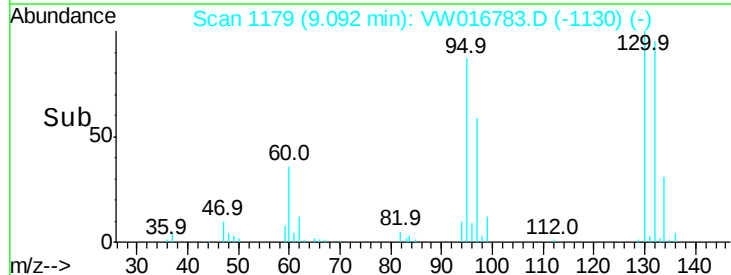
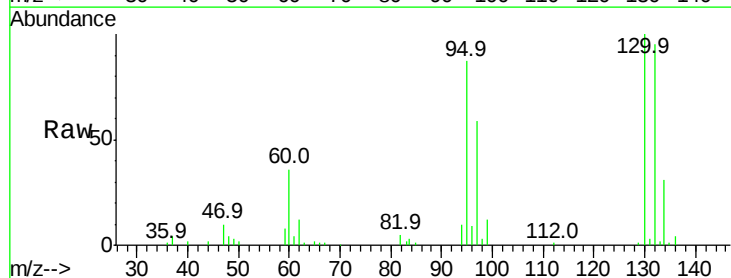
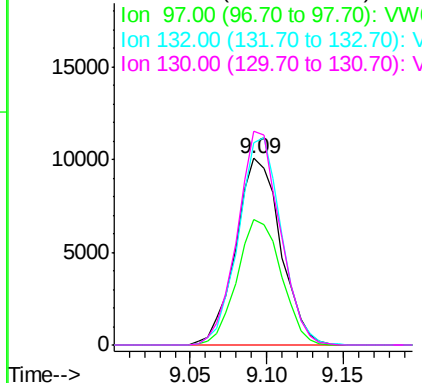


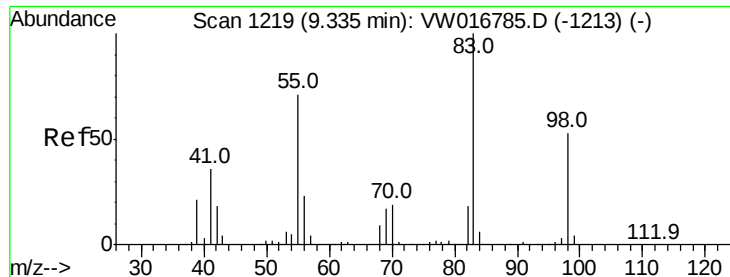
#34
Trichloroethene
Concen: 2.567 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Tgt Ion: 95 Resp: 20587

Ion	Ratio	Lower	Upper
95	100		
97	67.3	45.5	84.5
132	108.8	76.4	142.0
130	114.6	77.9	144.7

Abundance Ion 95.00 (94.70 to 95.70): VW

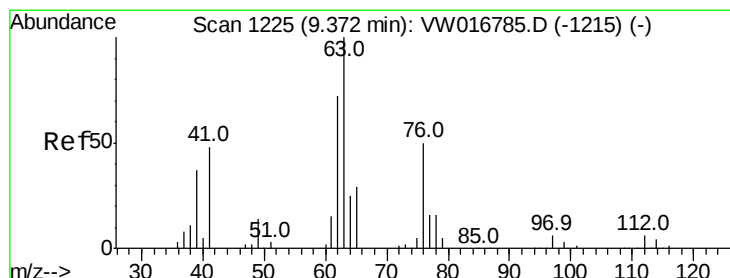
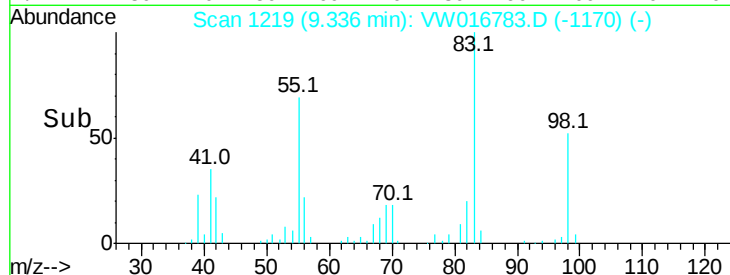
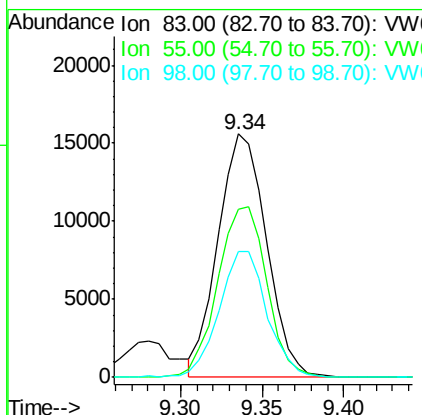
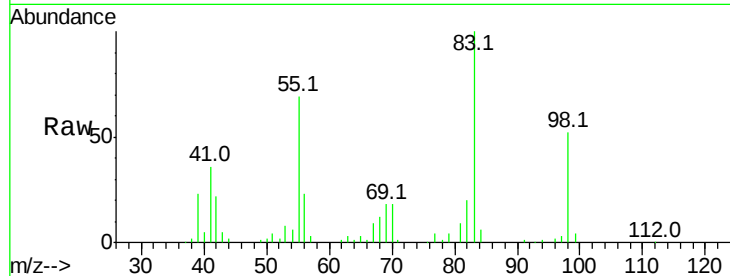




#35
Methylcyclohexane
Concen: 2.377 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

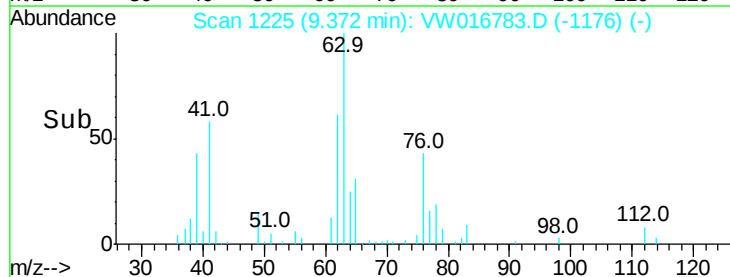
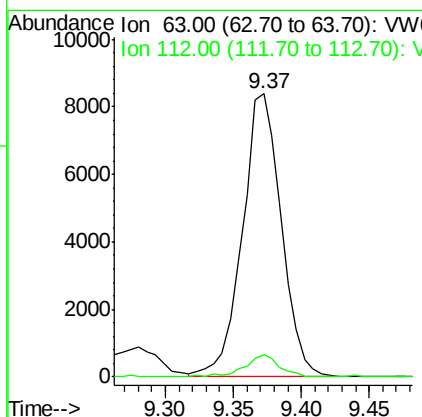
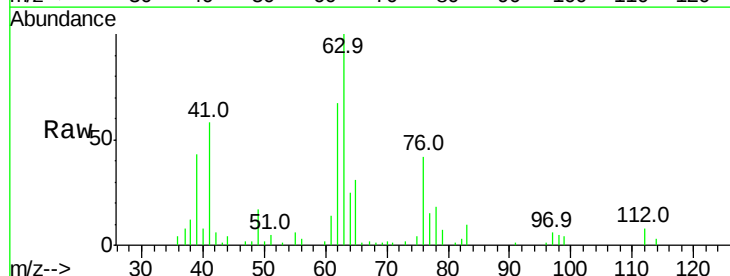
Instrument :
MSVOA_W
ClientSampled :
VSTD2.5101

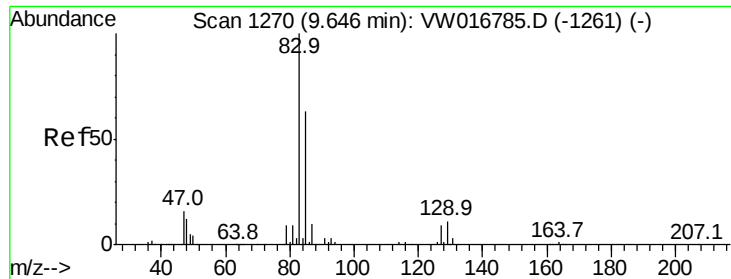
Tgt Ion: 83 Resp: 32310
Ion Ratio Lower Upper
83 100
55 71.2 55.4 83.2
98 51.0 41.6 62.4



#37
1,2-Dichloropropane
Concen: 2.608 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Tgt Ion: 63 Resp: 16835
Ion Ratio Lower Upper
63 100
112 6.5 4.6 7.0





#38

Bromodichloromethane

Concen: 2.531 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

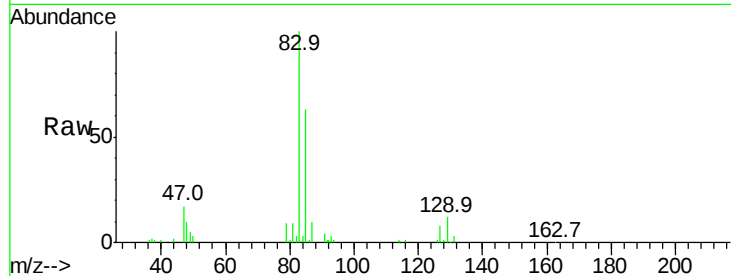
Tgt Ion: 83 Resp: 22915

Ion Ratio Lower Upper

83 100

85 63.4 44.2 82.0

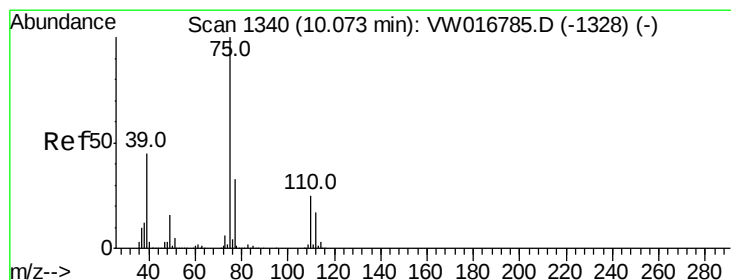
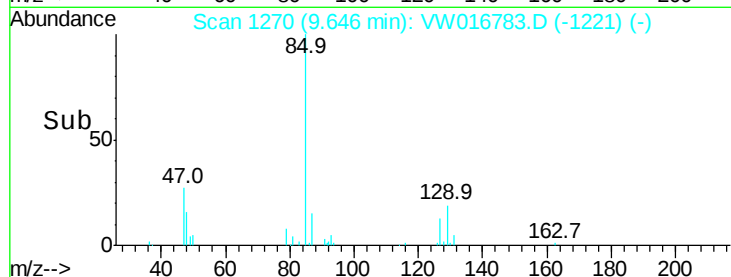
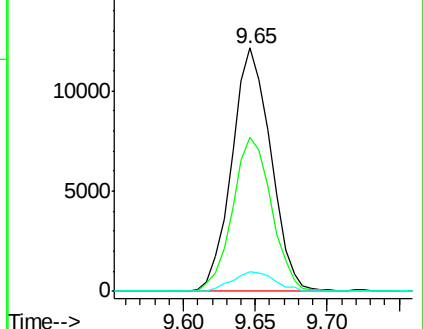
127 8.3 7.0 10.4



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): VW



#39

cis-1,3-Dichloropropene

Concen: 2.293 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016783.D

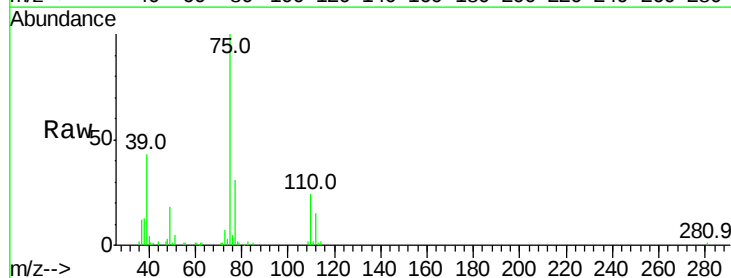
Acq: 06 Oct 2020 06:48

Tgt Ion: 75 Resp: 23777

Ion Ratio Lower Upper

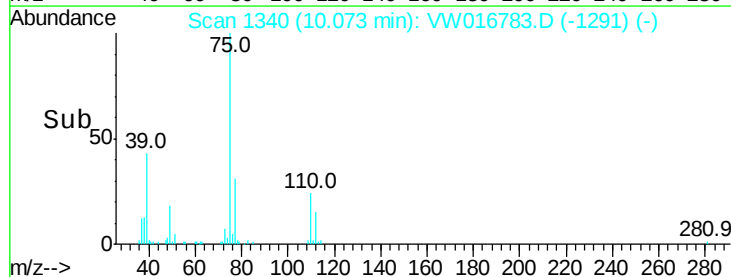
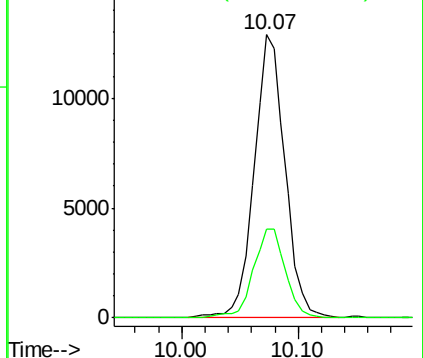
75 100

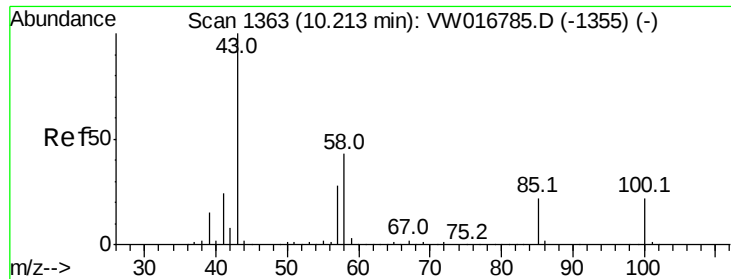
77 31.4 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

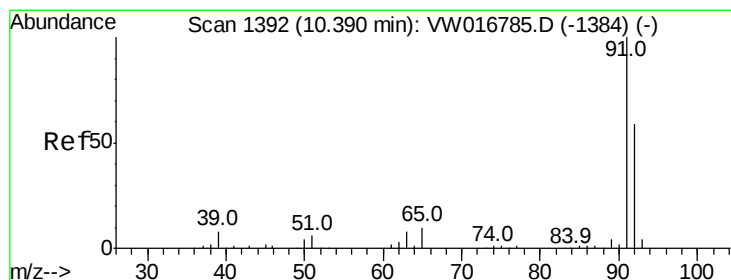
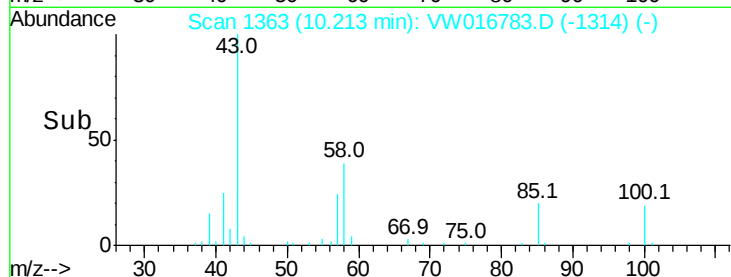
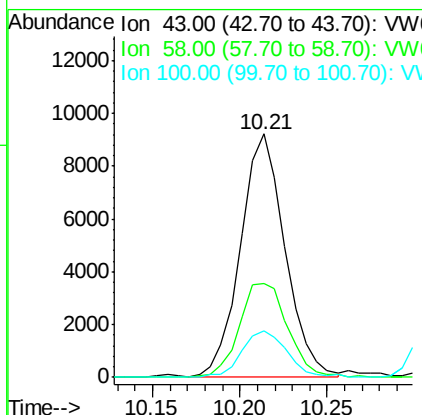
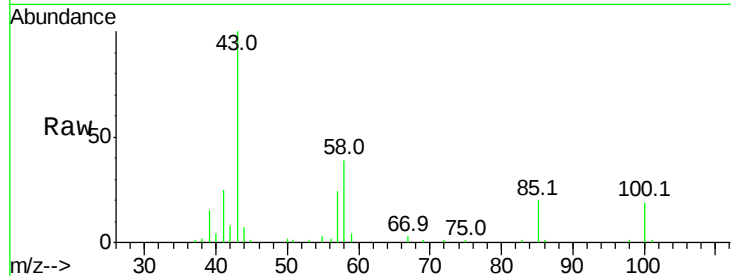




#40
4-Methyl-2-pentanone
Concen: 5.178 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

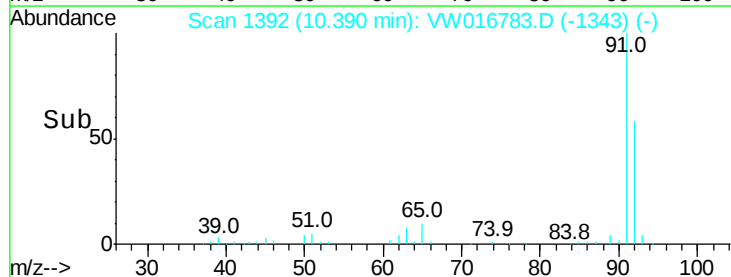
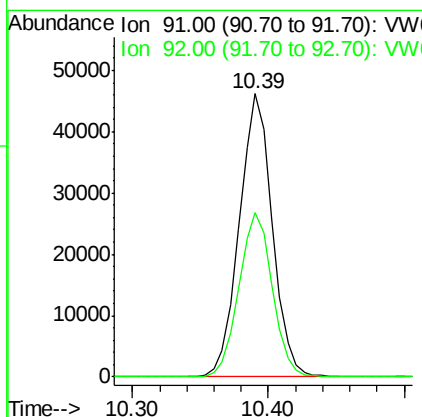
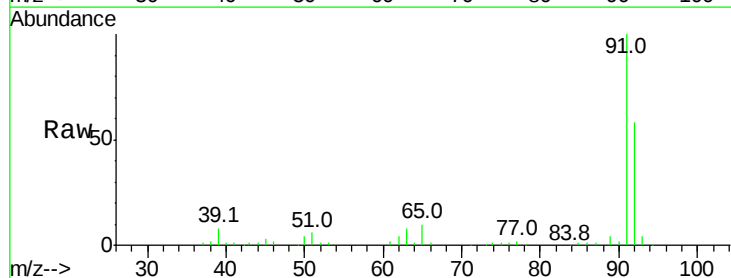
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5101

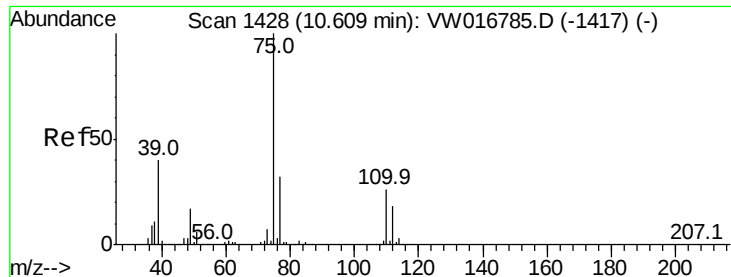
Tgt Ion: 43 Resp: 16362
Ion Ratio Lower Upper
43 100
58 41.7 34.2 51.2
100 19.3 16.6 25.0



#42
Toluene
Concen: 2.467 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Tgt Ion: 91 Resp: 78212
Ion Ratio Lower Upper
91 100
92 58.1 41.5 77.1





#44

trans-1,3-Dichloropropene

Concen: 2.226 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

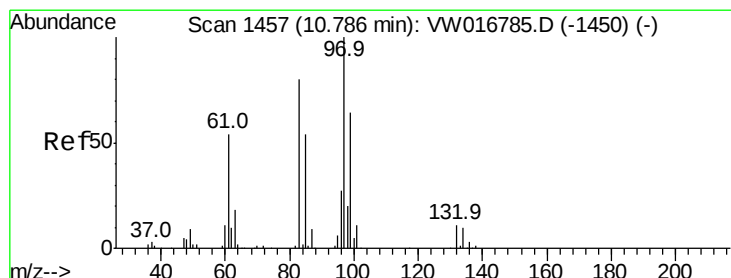
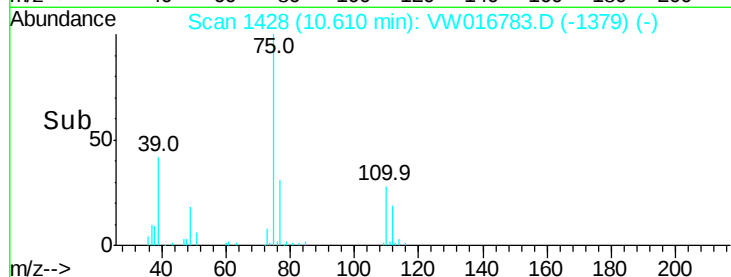
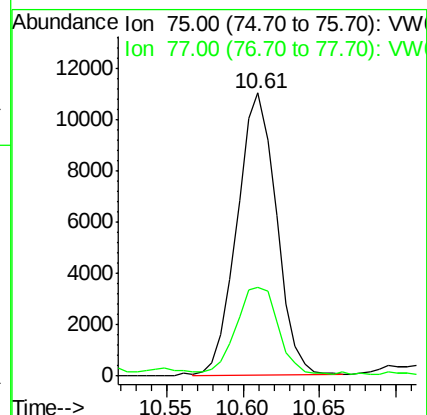
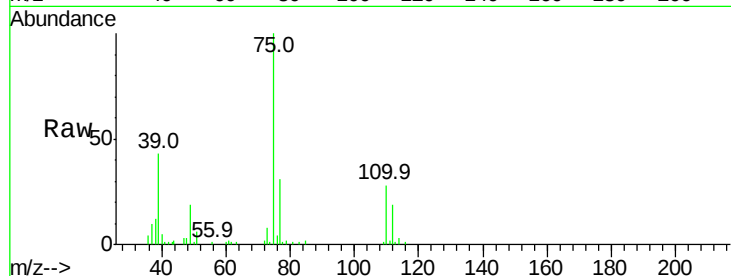
VSTD2.5101

Tgt Ion: 75 Resp: 19606

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



#45

1,1,2-Trichloroethane

Concen: 2.659 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Tgt Ion: 97 Resp: 13745

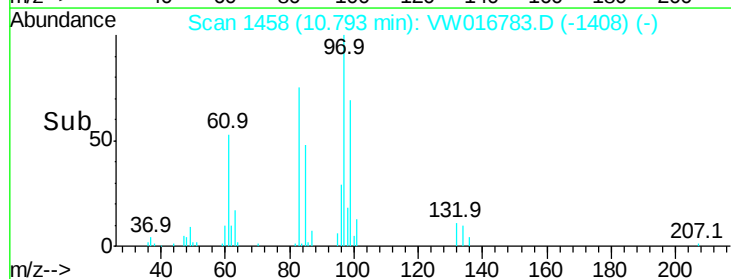
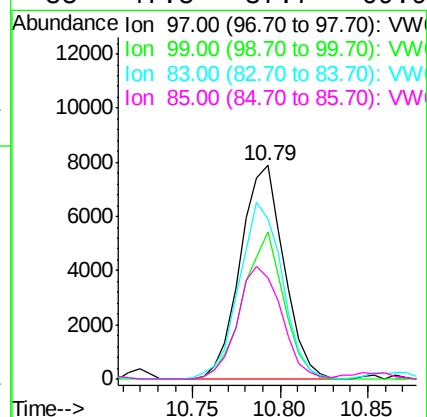
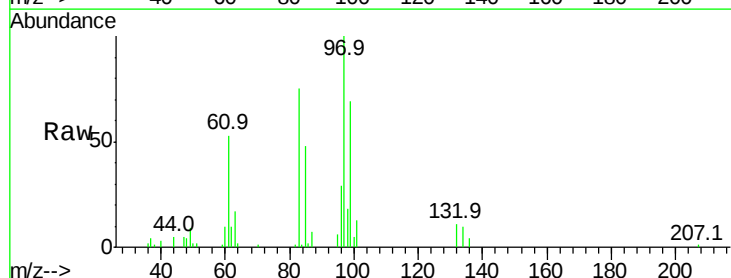
Ion Ratio Lower Upper

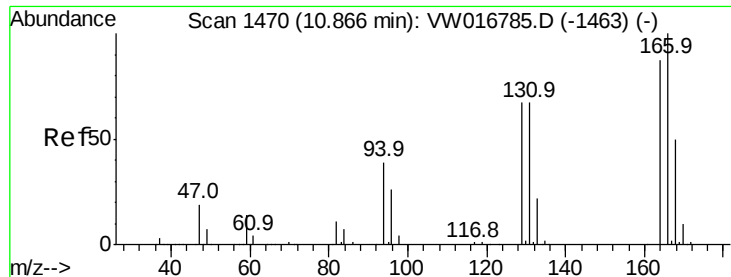
97 100

99 69.2 44.9 83.3

83 75.1 55.8 103.6

85 47.5 37.7 69.9





#46

Tetrachloroethene

Concen: 2.600 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

Tgt Ion:164 Resp: 19092

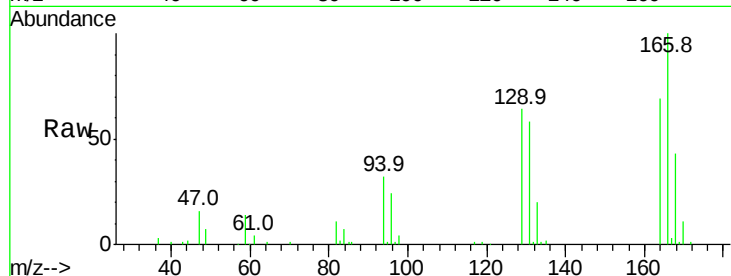
Ion Ratio Lower Upper

164 100

129 93.1 54.2 100.6

131 84.1 54.1 100.5

166 144.6 80.4 149.4

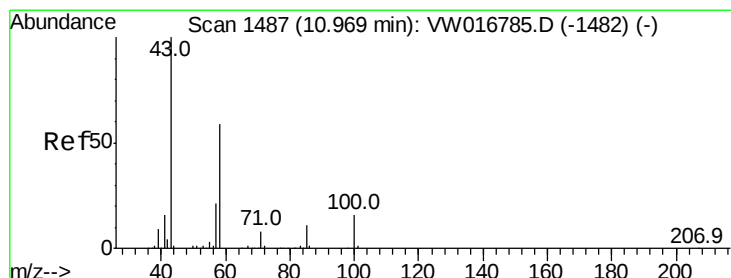
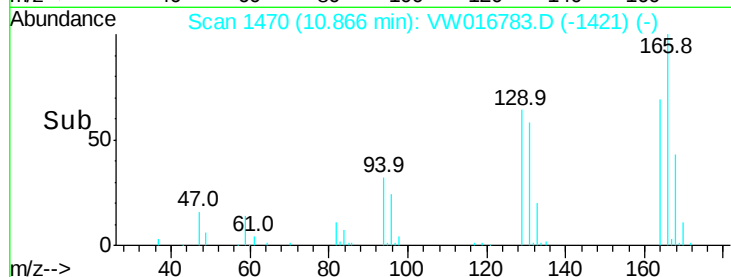
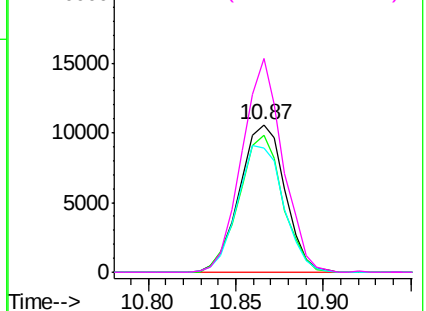


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.839 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Tgt Ion: 43 Resp: 10047

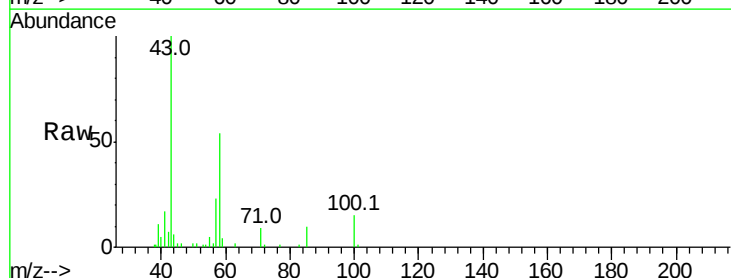
Ion Ratio Lower Upper

43 100

58 60.8 46.7 70.1

57 22.6 16.9 25.3

100 16.7 13.0 19.4

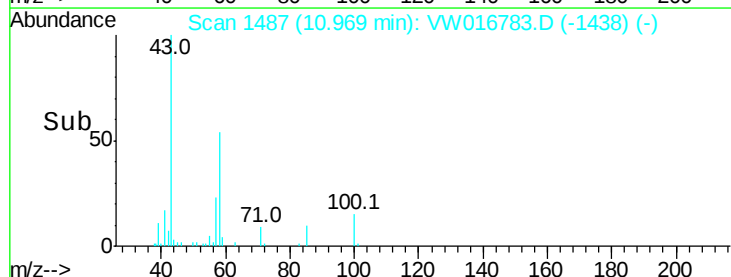
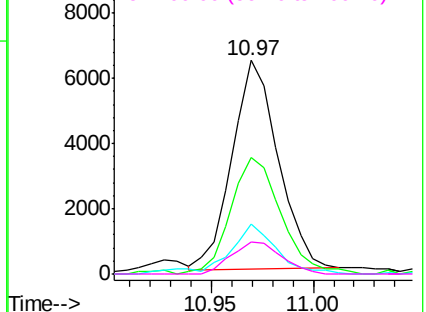


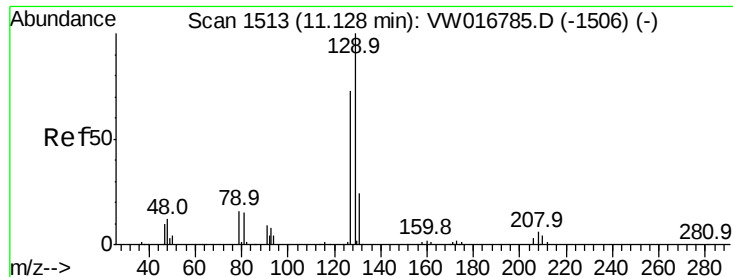
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 2.350 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

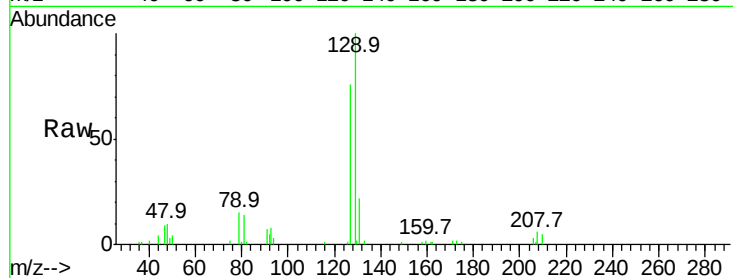
VSTD2.5101

Tgt Ion:129 Resp: 15442

Ion Ratio Lower Upper

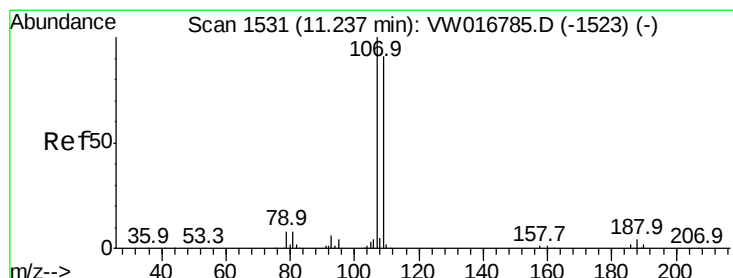
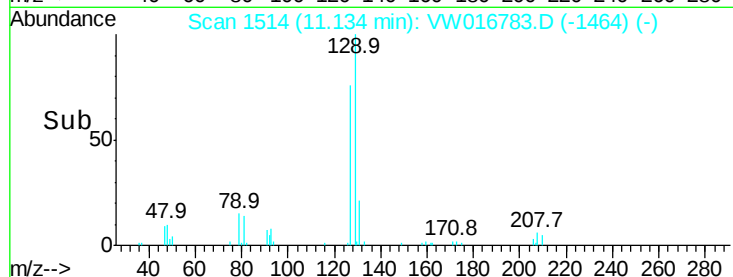
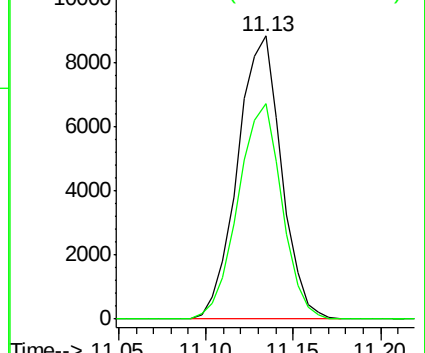
129 100

127 76.3 50.8 94.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.421 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

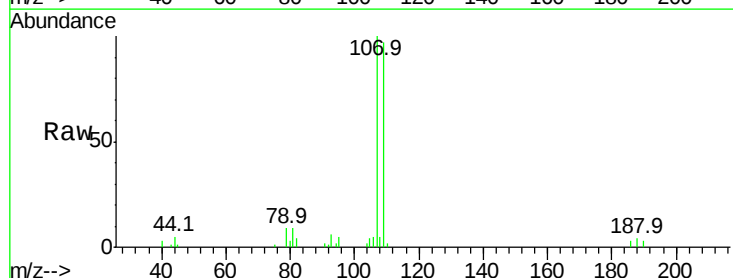
Tgt Ion:107 Resp: 12244

Ion Ratio Lower Upper

107 100

109 97.3 63.6 118.0

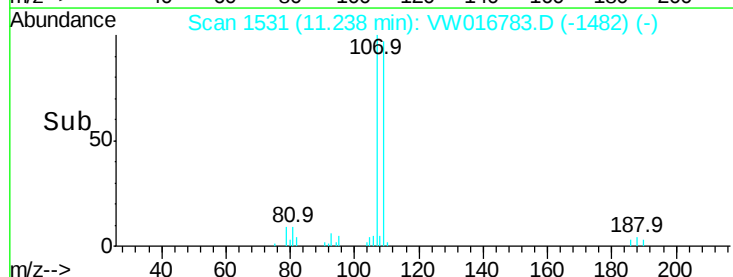
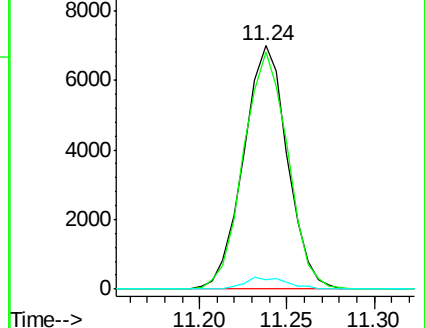
188 3.7 3.3 4.9

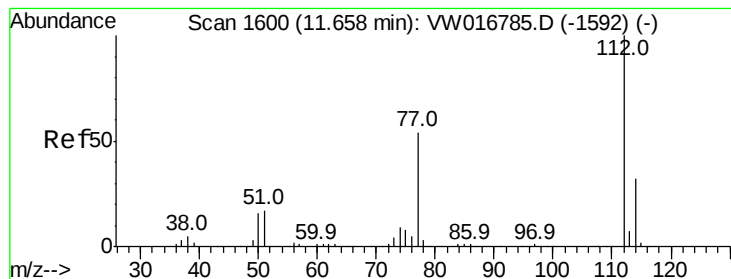


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.612 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

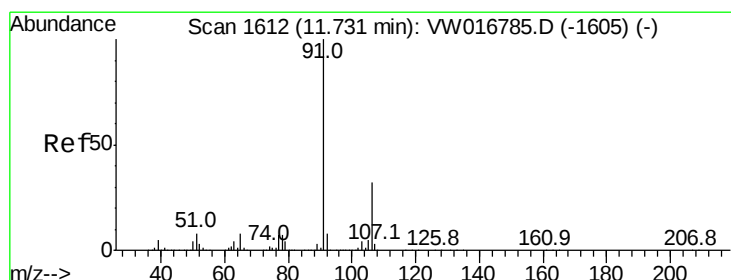
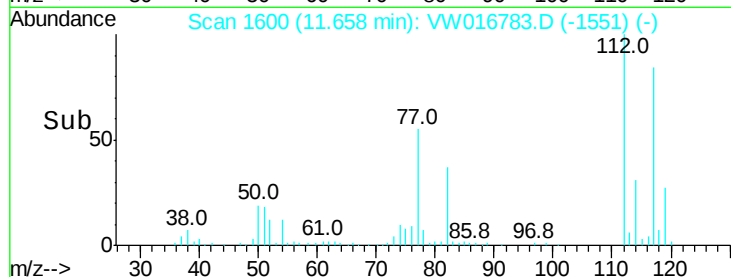
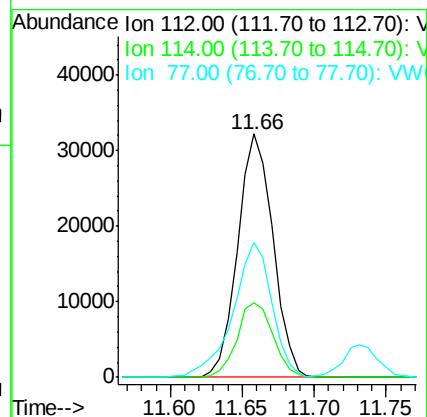
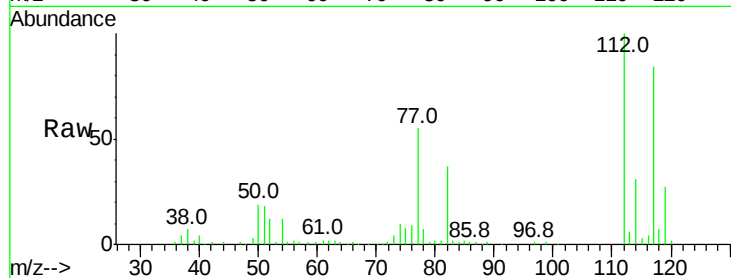
Tgt Ion:112 Resp: 54954

Ion Ratio Lower Upper

112 100

114 30.8 22.3 41.5

77 55.1 43.6 65.4



#52

Ethylbenzene

Concen: 2.462 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016783.D

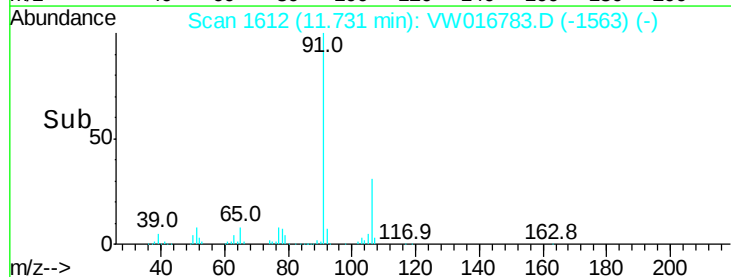
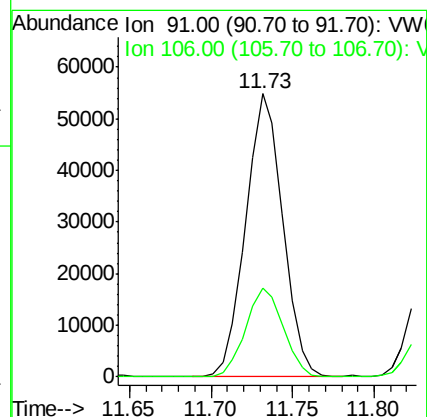
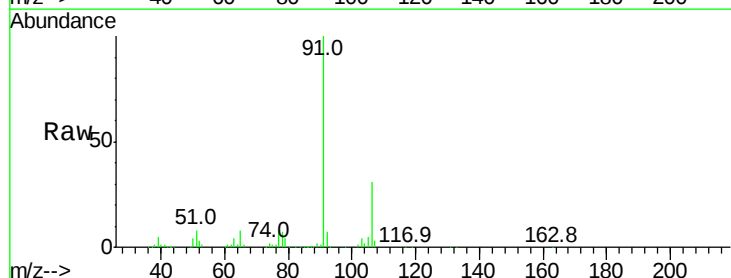
Acq: 06 Oct 2020 06:48

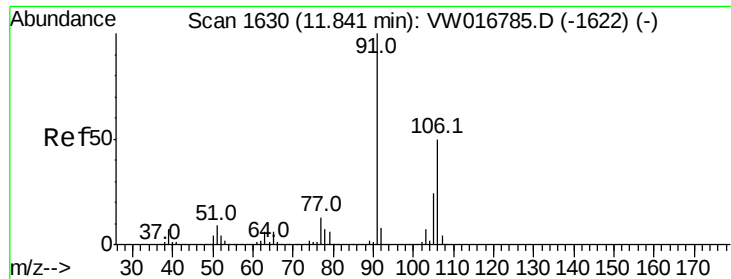
Tgt Ion: 91 Resp: 87153

Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.5

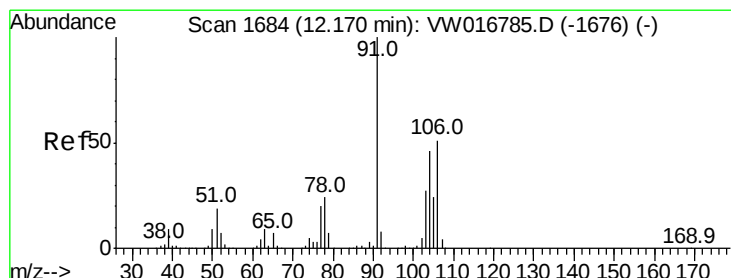
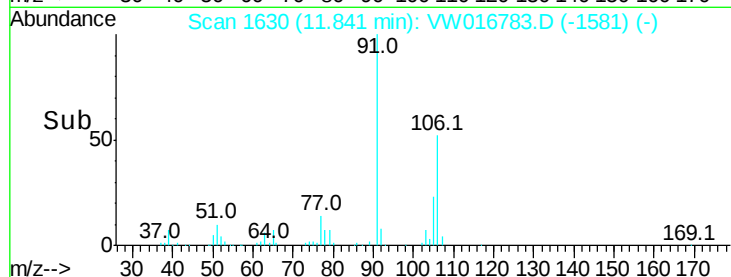
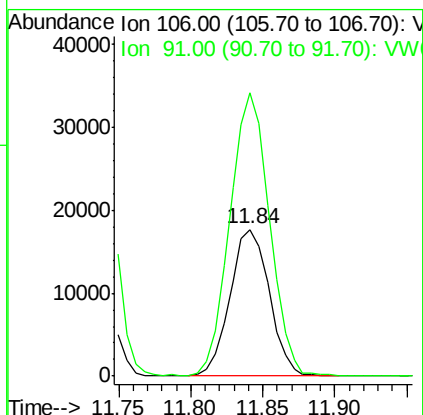
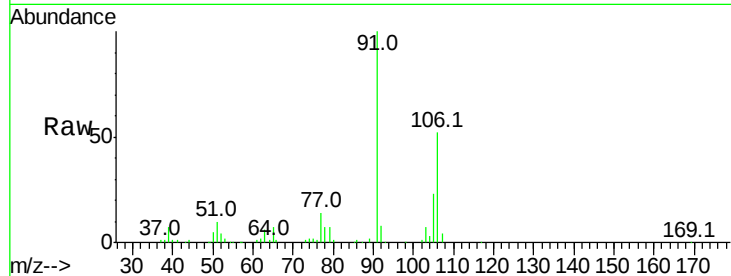




#53
m,p-Xylene
Concen: 2.428 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

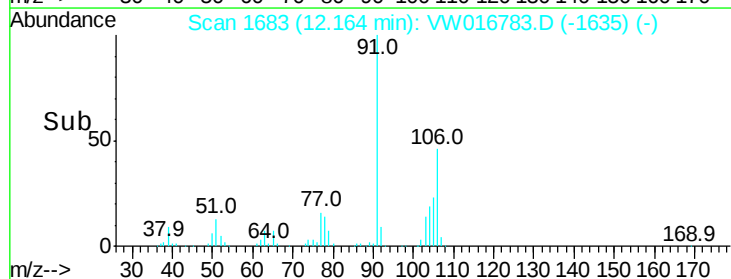
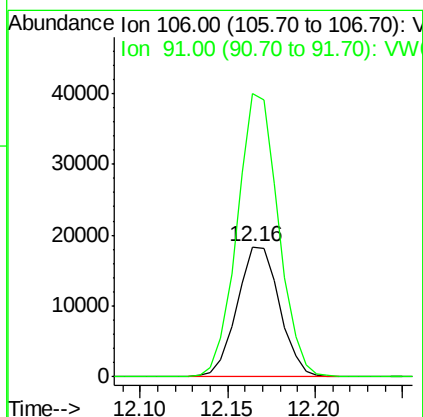
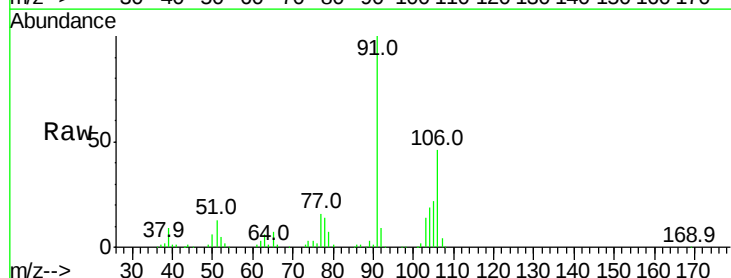
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5101

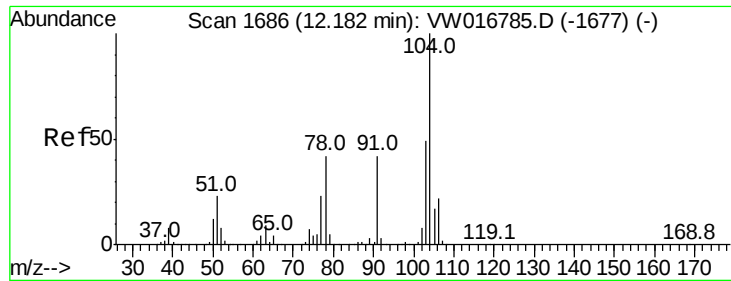
Tgt Ion:106 Resp: 33702
Ion Ratio Lower Upper
106 100
91 192.8 138.7 257.7



#54
o-Xylene
Concen: 2.367 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016783.D
Acq: 06 Oct 2020 06:48

Tgt Ion:106 Resp: 30978
Ion Ratio Lower Upper
106 100
91 217.4 136.2 252.9





#55

Styrene

Concen: 2.337 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

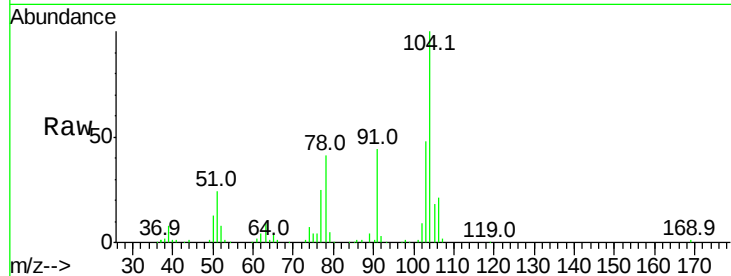
VSTD2.5101

Tgt Ion:104 Resp: 50793

Ion Ratio Lower Upper

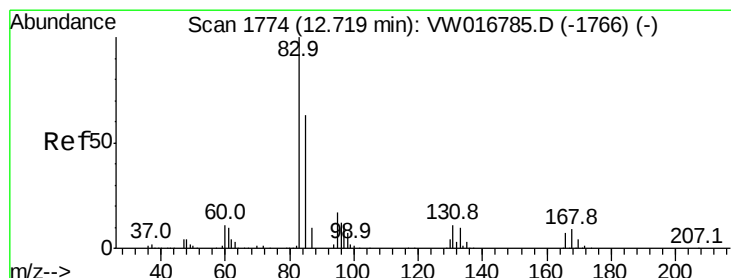
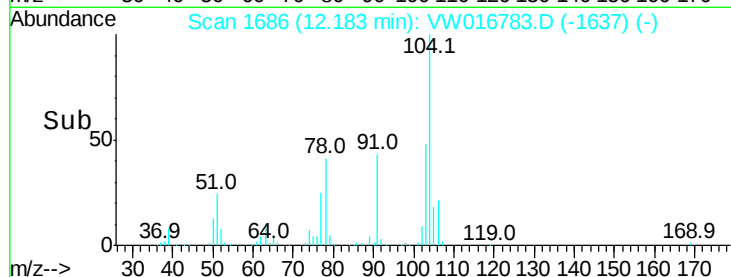
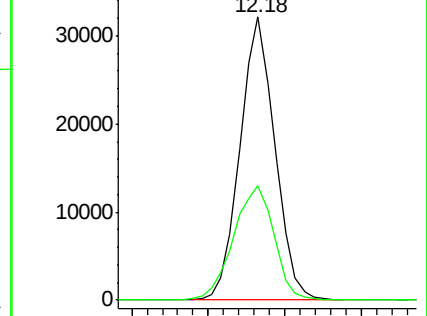
104 100

78 40.5 29.5 54.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 2.604 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

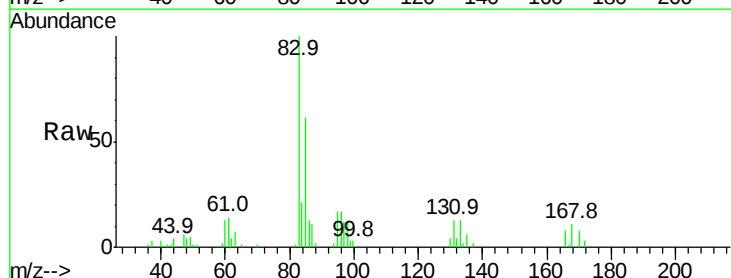
Tgt Ion: 83 Resp: 14484

Ion Ratio Lower Upper

83 100

85 61.2 43.9 81.5

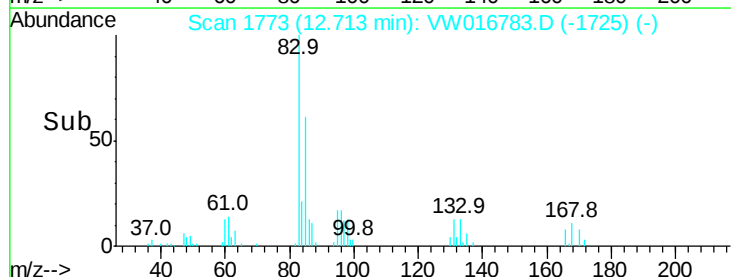
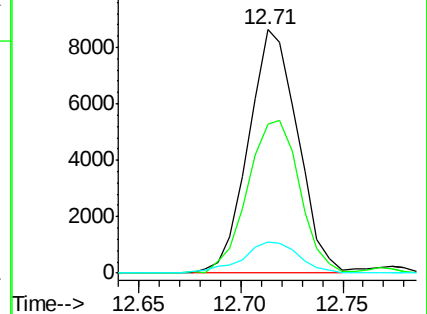
131 16.5 8.8 13.2#

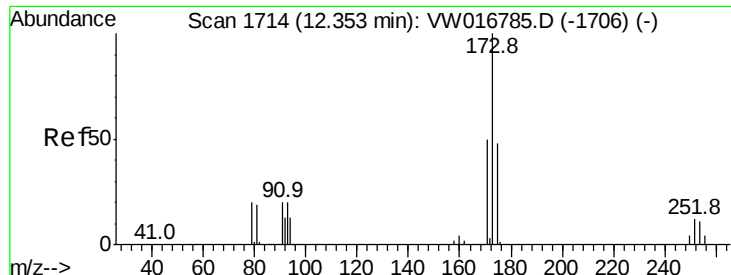


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 2.415 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

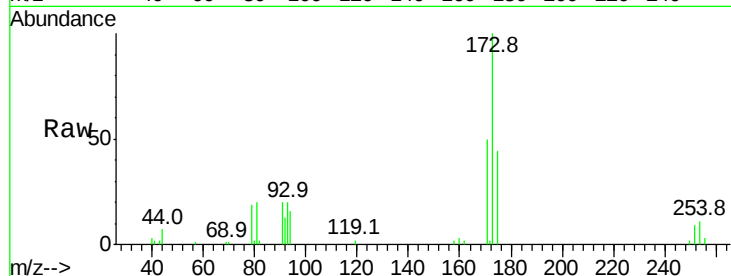
Tgt Ion:173 Resp: 8979

Ion Ratio Lower Upper

173 100

175 47.1 38.5 57.7

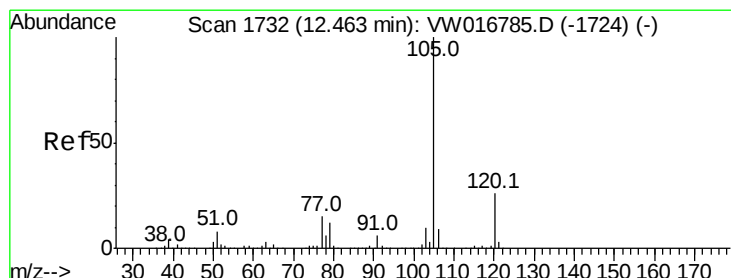
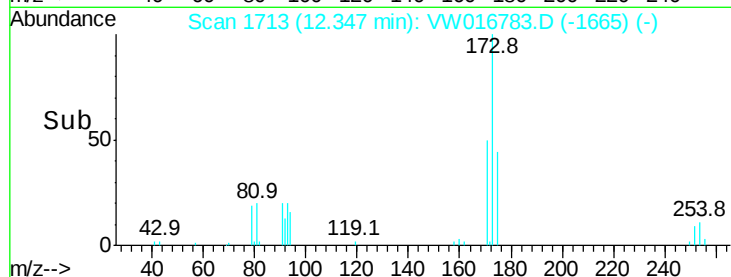
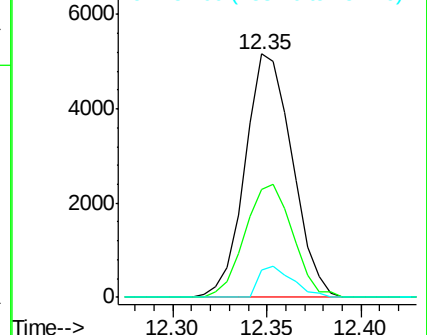
254 9.1 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.361 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

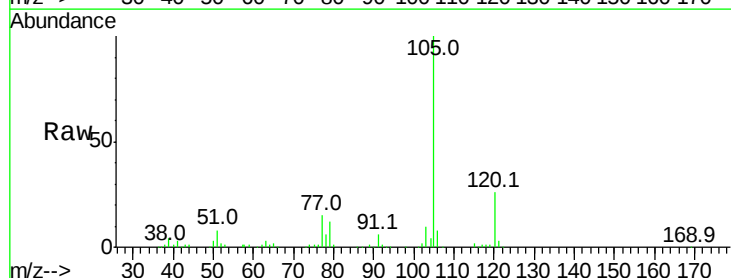
Tgt Ion:105 Resp: 83940

Ion Ratio Lower Upper

105 100

120 27.6 21.5 32.3

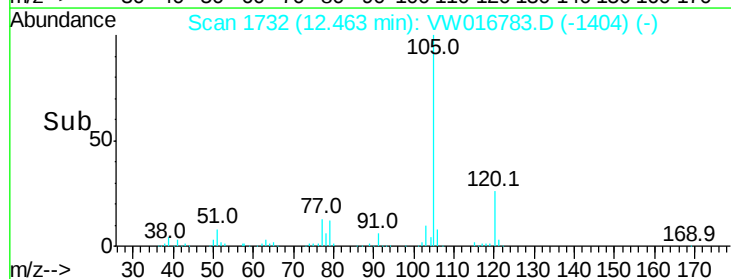
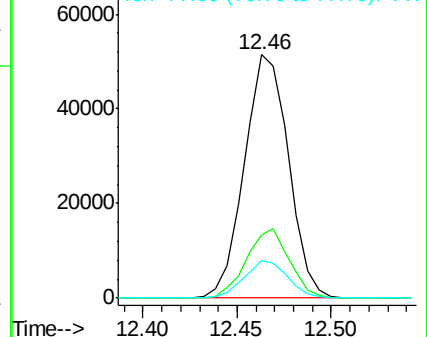
77 14.8 11.8 17.6

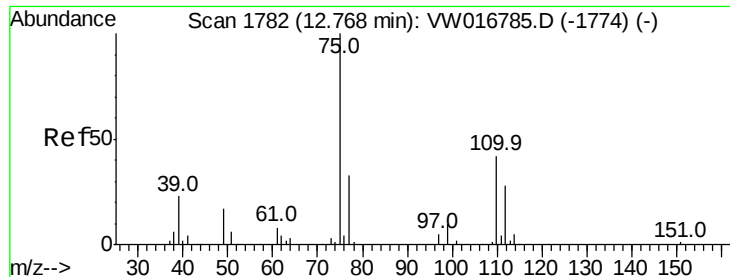


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

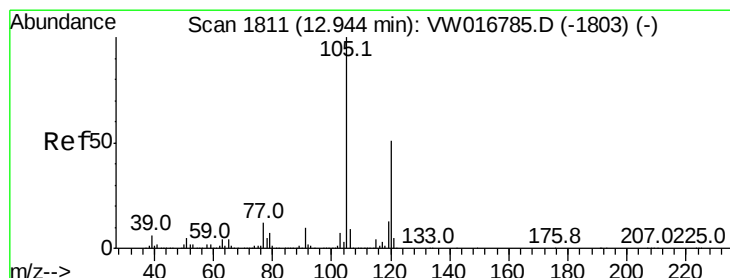
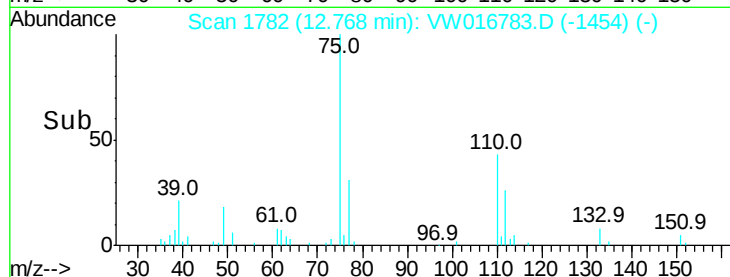
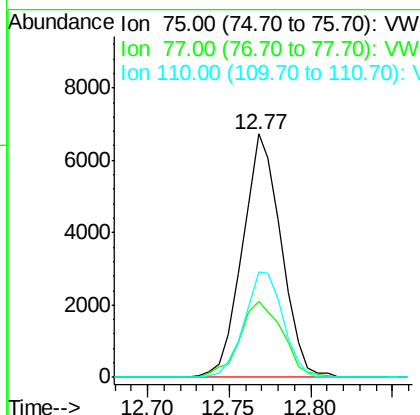
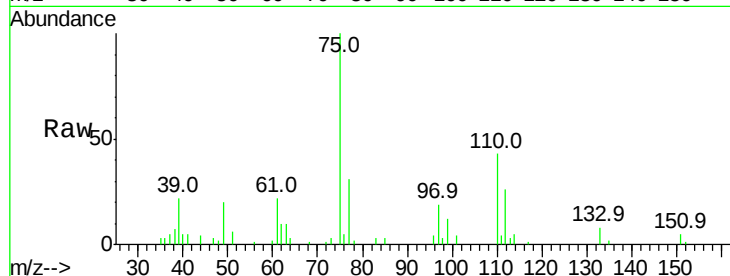




#61
 1,2,3-Trichloropropane
 Concen: 2.748 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

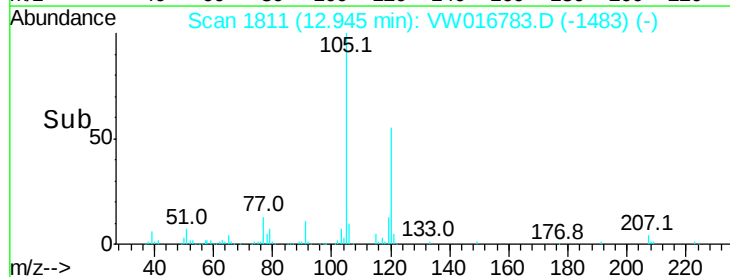
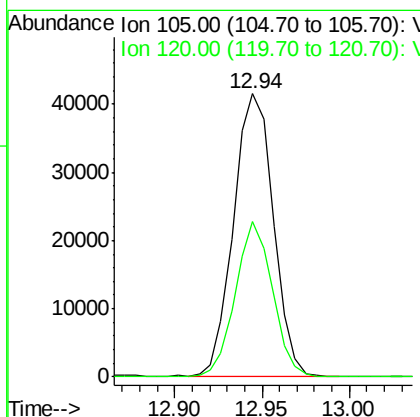
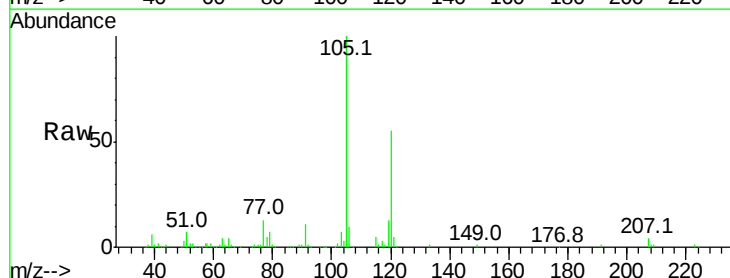
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5101

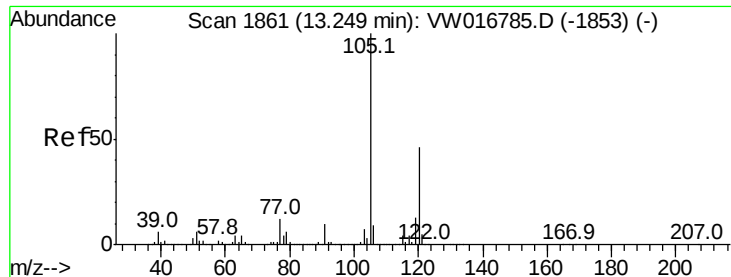
Tgt Ion: 75 Resp: 11119
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.8 38.8
 110 43.1 35.1 52.7



#62
 1,3,5-Trimethylbenzene
 Concen: 2.285 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Tgt Ion: 105 Resp: 66217
 Ion Ratio Lower Upper
 105 100
 120 51.0 41.0 61.4

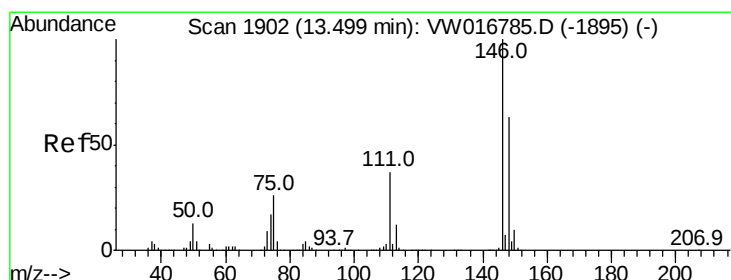
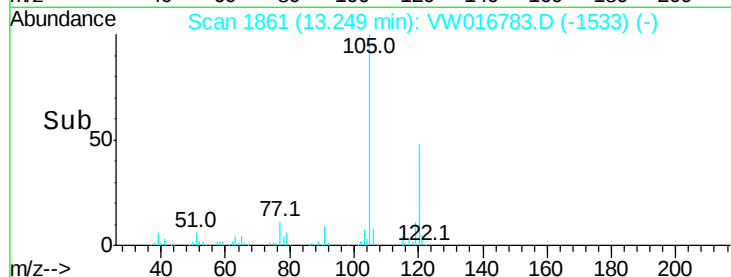
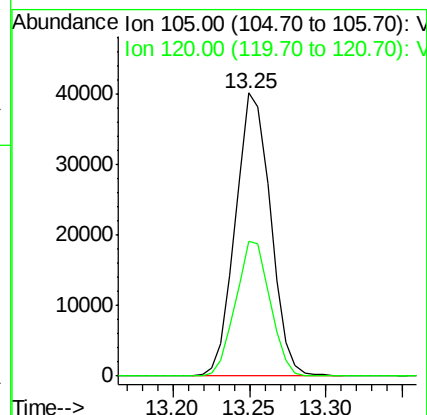
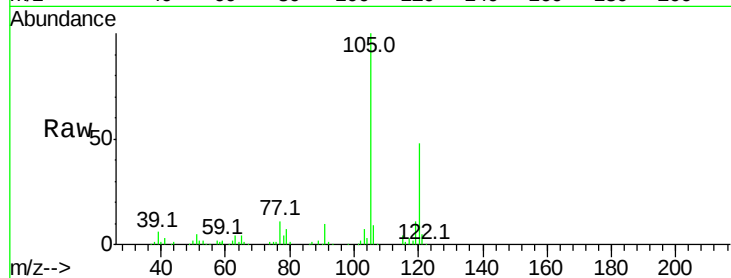




#63
 1,2,4-Trimethylbenzene
 Concen: 2.372 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

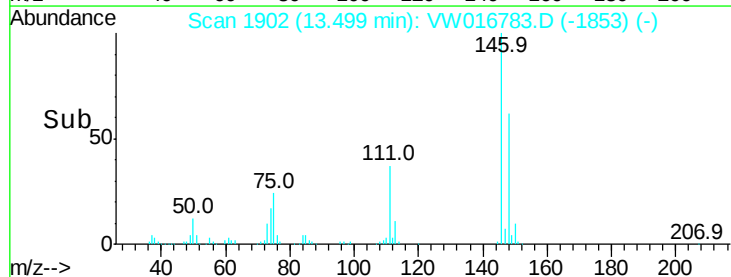
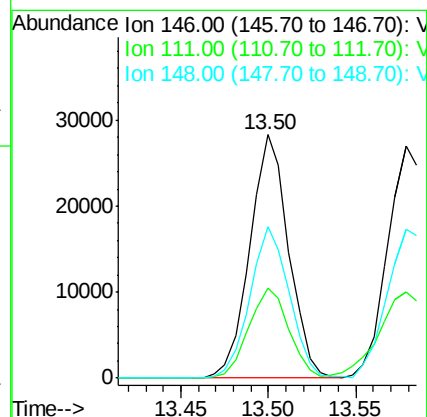
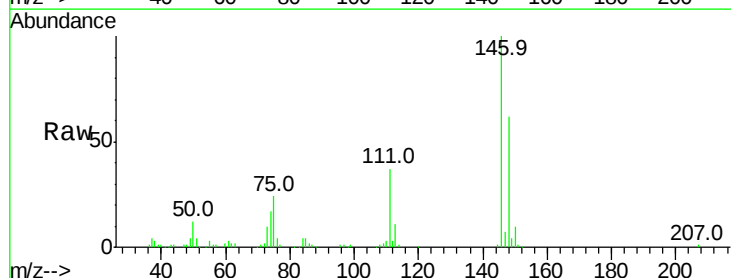
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5101

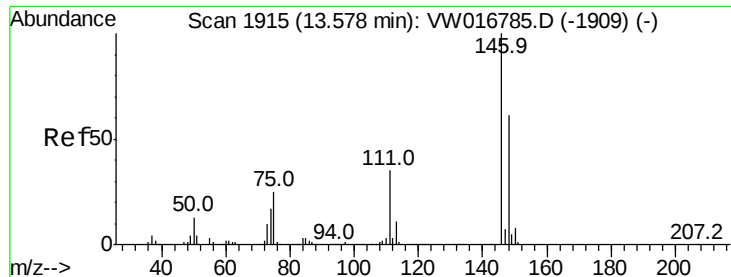
Tgt Ion:105 Resp: 64214
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.9 56.9



#64
 1,3-Dichlorobenzene
 Concen: 2.624 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Tgt Ion:146 Resp: 43488
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.2 48.6
 148 62.0 43.8 81.4

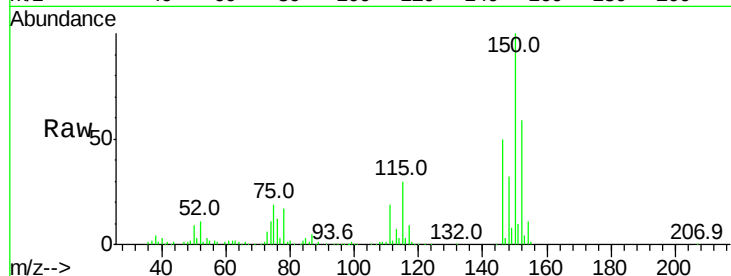




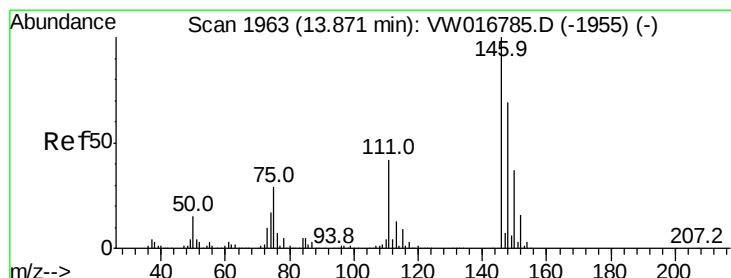
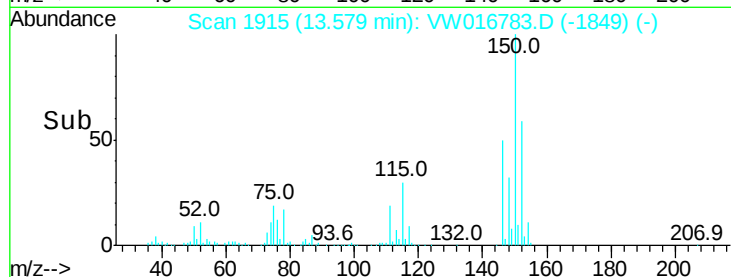
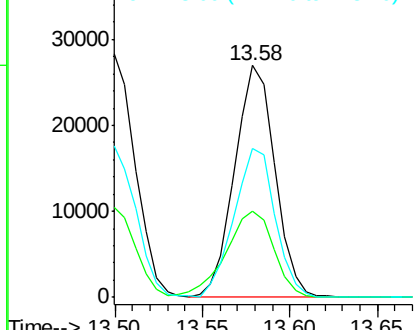
#65
 1,4-Dichlorobenzene
 Concen: 2.640 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5101

Tgt Ion:146 Resp: 43367
 Ion Ratio Lower Upper
 146 100
 111 37.4 24.6 45.8
 148 64.5 43.0 79.8

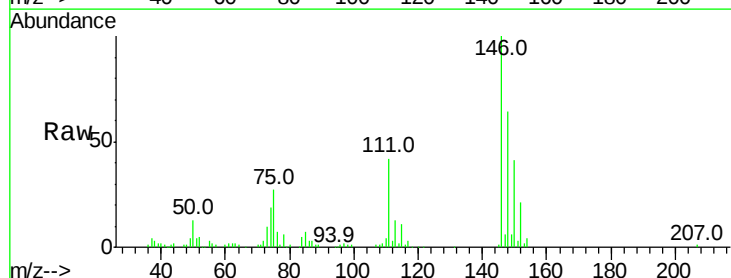


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

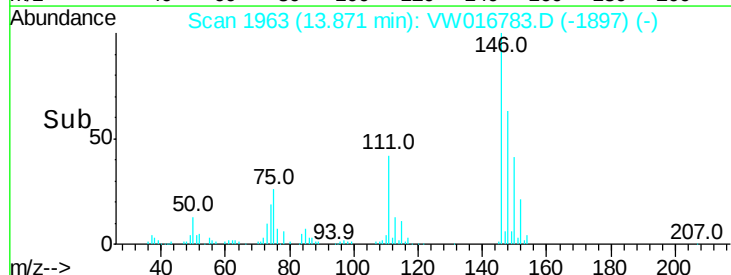
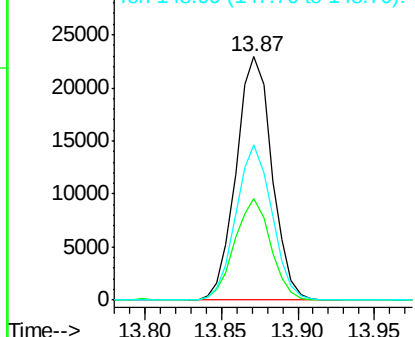


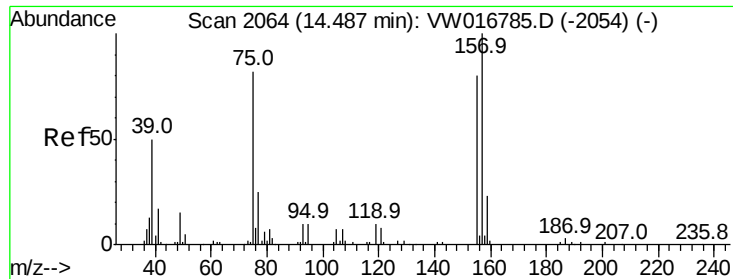
#67
 1,2-Dichlorobenzene
 Concen: 2.561 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016783.D
 Acq: 06 Oct 2020 06:48

Tgt Ion:146 Resp: 37352
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.6 50.4
 148 63.6 54.9 82.3



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





#68

1,2-Dibromo-3-chloropropane

Concen: 2.347 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

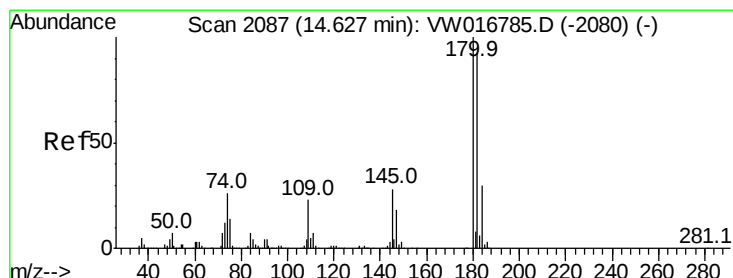
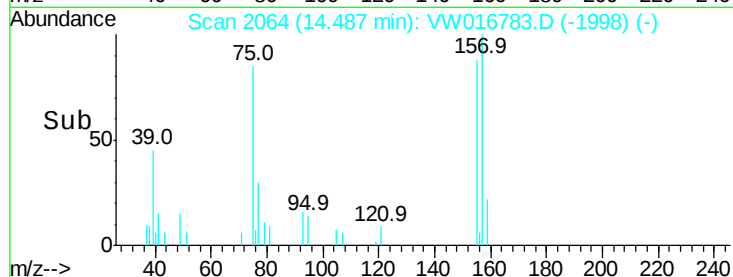
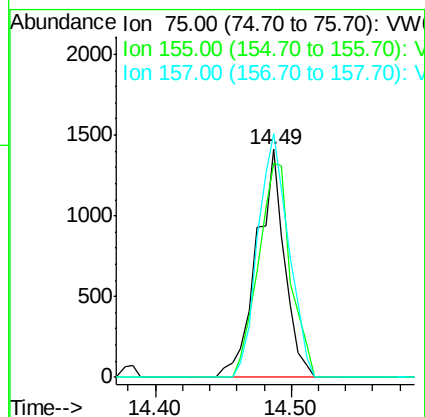
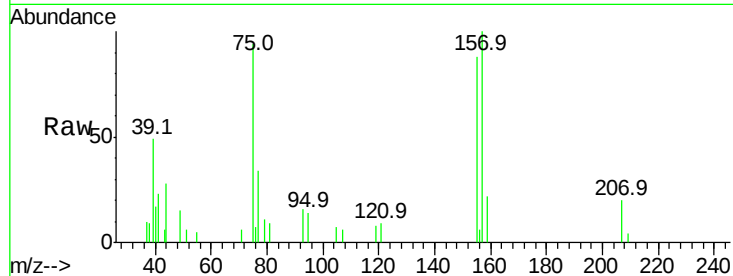
Tgt Ion: 75 Resp: 2036

Ion Ratio Lower Upper

75 100

155 93.9 77.4 116.2

157 106.7 97.2 145.8



#69

1,3,5-Trichlorobenzene

Concen: 2.475 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Tgt Ion:180 Resp: 30040

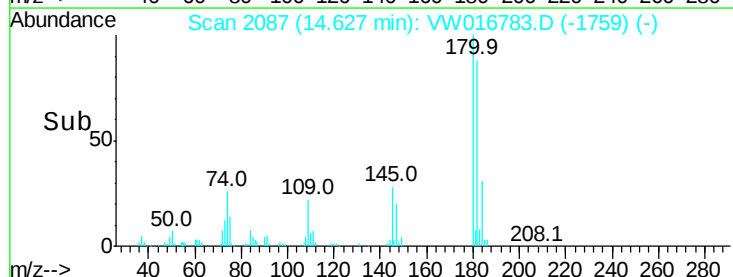
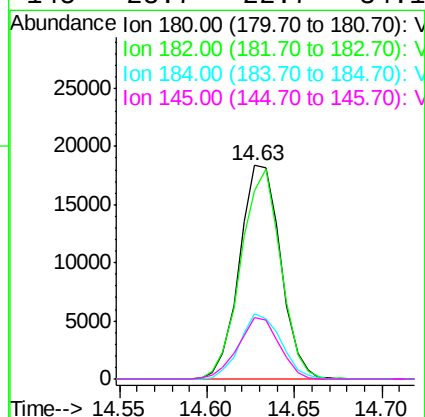
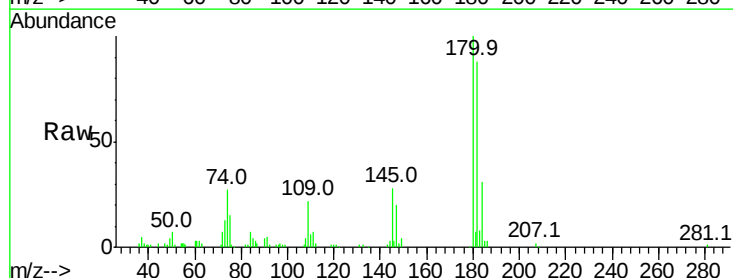
Ion Ratio Lower Upper

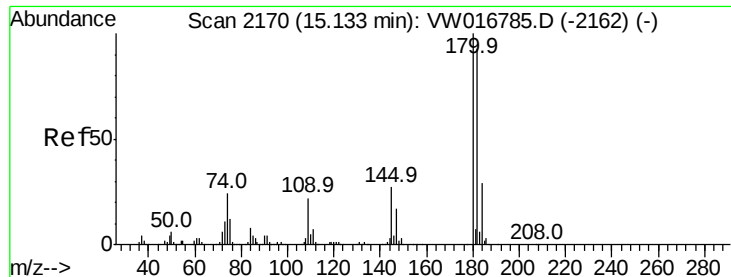
180 100

182 95.1 77.3 115.9

184 30.7 24.6 36.8

145 28.7 22.7 34.1





#70

1,2,4-trichlorobenzene

Concen: 2.476 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

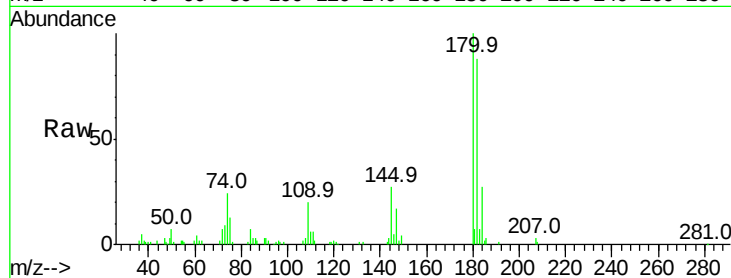
Tgt Ion:180 Resp: 23721

Ion Ratio Lower Upper

180 100

182 94.1 74.7 112.1

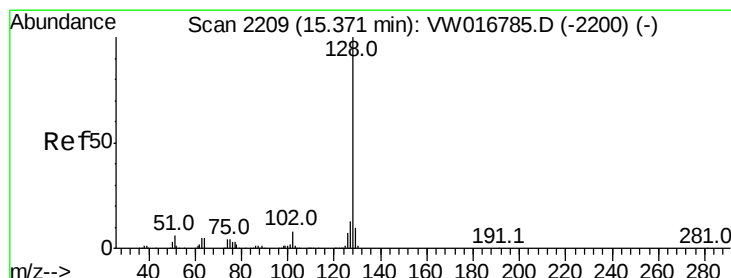
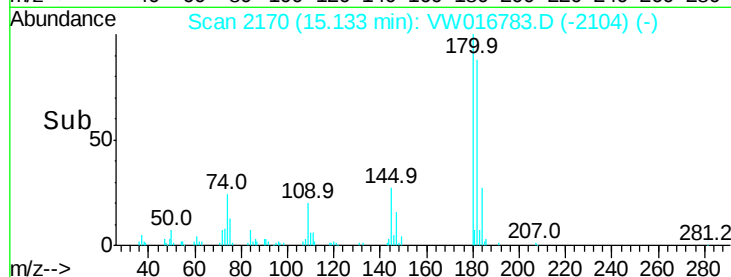
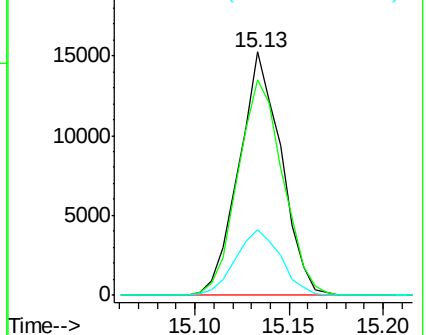
145 28.7 23.0 34.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 2.285 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

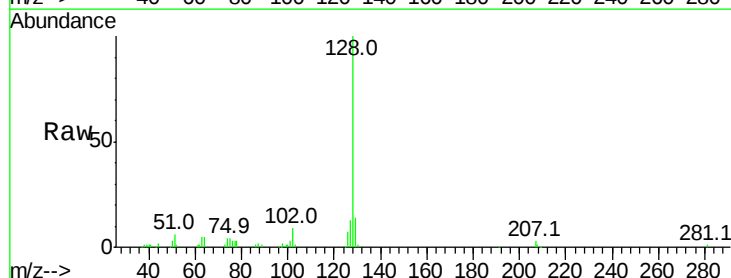
Tgt Ion:128 Resp: 35194

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

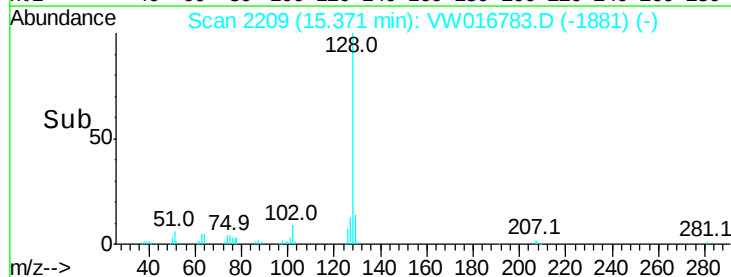
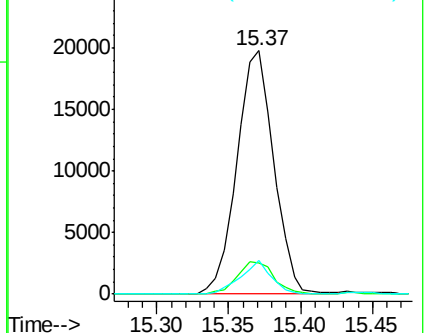
129 11.5 8.7 13.1

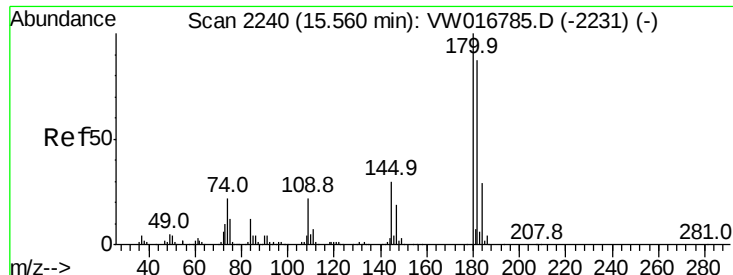


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72

1,2,3-Trichlorobenzene

Concen: 2.434 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016783.D

Acq: 06 Oct 2020 06:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5101

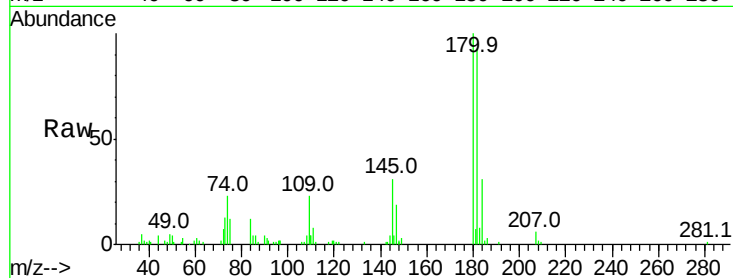
Tgt Ion:180 Resp: 19690

Ion Ratio Lower Upper

180 100

182 101.4 74.4 111.6

145 33.0 25.5 38.3



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

