

Data File : VW016784.D
Acq On : 06 Oct 2020 07:12
Operator : SY/VA
Sample : VSTD00501
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

Quant Time: Oct 06 08:10:49 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	574323	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	524356	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	263560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	26451	4.38	ug/L	0.00
7) Chloroethane-d5	2.89	69	24921	5.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	58244	4.75	ug/L	0.00
21) 2-Butanone-d5	7.08	46	13193	11.04	ug/L	0.00
24) Chloroform-d	7.65	84	62882	5.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	30909	5.40	ug/L	0.00
32) Benzene-d6	8.28	84	125696	5.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	34358	5.27	ug/L	0.00
41) Toluene-d8	10.33	98	118193	5.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	14259	4.94	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	9638	10.16	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	26220	5.31	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	43802	5.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	33813	4.666 ug/L	90
3) Chloromethane	2.21	50	27962	4.742 ug/L	98
5) Vinyl chloride	2.37	62	34150	4.110 ug/L	99
6) Bromomethane	2.78	94	27711	4.851 ug/L	99
8) Chloroethane	2.93	64	24086	4.998 ug/L	98
9) Trichlorofluoromethane	3.26	101	25274	3.666 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	38992	5.156 ug/L	97
12) 1,1-Dichloroethene	4.04	96	34604	4.598 ug/L	88
13) Acetone	4.12	43	11441	13.002 ug/L	98
14) Carbon disulfide	4.39	76	97405	4.234 ug/L	100
15) Methyl Acetate	4.68	43	11336	5.132 ug/L	# 68
16) Methylene chloride	4.92	84	45905	5.420 ug/L	98
17) trans-1,2-Dichloroethene	5.43	96	39115	5.021 ug/L	97
18) Methyl tert-butyl Ether	5.43	73	40778	4.826 ug/L	97
19) 1,1-Dichloroethane	6.21	63	59428	4.907 ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	38588	4.832 ug/L	97
22) 2-Butanone	7.17	43	15638	10.351 ug/L	98
23) Bromochloromethane	7.52	128	19024	5.071 ug/L	96
25) Chloroform	7.68	83	65528	5.043 ug/L	98
27) 1,2-Dichloroethane	8.40	62	38692	5.041 ug/L	100
29) Cyclohexane	7.96	56	53522	4.826 ug/L	97
30) 1,1,1-Trichloroethane	7.87	97	55089	4.833 ug/L	99
31) Carbon tetrachloride	8.07	117	51554	4.580 ug/L	100
33) Benzene	8.33	78	141980	4.971 ug/L	100
34) Trichloroethene	9.10	95	40141	4.987 ug/L	96
35) Methylcyclohexane	9.34	83	64922	4.759 ug/L	99
37) 1,2-Dichloropropane	9.37	63	32447	5.008 ug/L	99
38) Bromodichloromethane	9.65	83	43685	4.807 ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	47820	4.594 ug/L	94
40) 4-Methyl-2-pentanone	10.21	43	31441	9.914 ug/L	98

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Instrument :
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ClientSampleId :
VSTD005102

Quant Time: Oct 06 08:10:49 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)
42) Toluene	10.39	91	156550	4.919	ug/L	100
44) trans-1,3-Dichloropropene	10.61	75	41518	4.697	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	26389	5.086	ug/L	98
46) Tetrachloroethene	10.87	164	37066	5.030	ug/L	87
48) 2-Hexanone	10.97	43	21269	10.206	ug/L	99
49) Dibromochloromethane	11.13	129	30427	4.613	ug/L	90
50) 1,2-Dibromoethane	11.24	107	25316	4.987	ug/L	98
51) Chlorobenzene	11.66	112	104953	4.971	ug/L	99
52) Ethylbenzene	11.73	91	174084	4.899	ug/L	99
53) m,p-Xylene	11.84	106	67193	4.823	ug/L	100
54) o-Xylene	12.17	106	63570	4.840	ug/L	91
55) Styrene	12.18	104	104269	4.780	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.72	83	28404	5.088	ug/L	98
59) Bromoform	12.35	173	17429	4.608	ug/L	98
60) Isopropylbenzene	12.47	105	170665	4.720	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	20497	4.981	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	140002	4.751	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	131392	4.771	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	85458	5.070	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	84786	5.074	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	74412	5.017	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	4201	4.762	ug/L	88
69) 1,3,5-Trichlorobenzene	14.63	180	63008	5.104	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	48448	4.972	ug/L	95
71) Naphthalene	15.36	128	73819	4.713	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	43516	5.289	ug/L	97

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

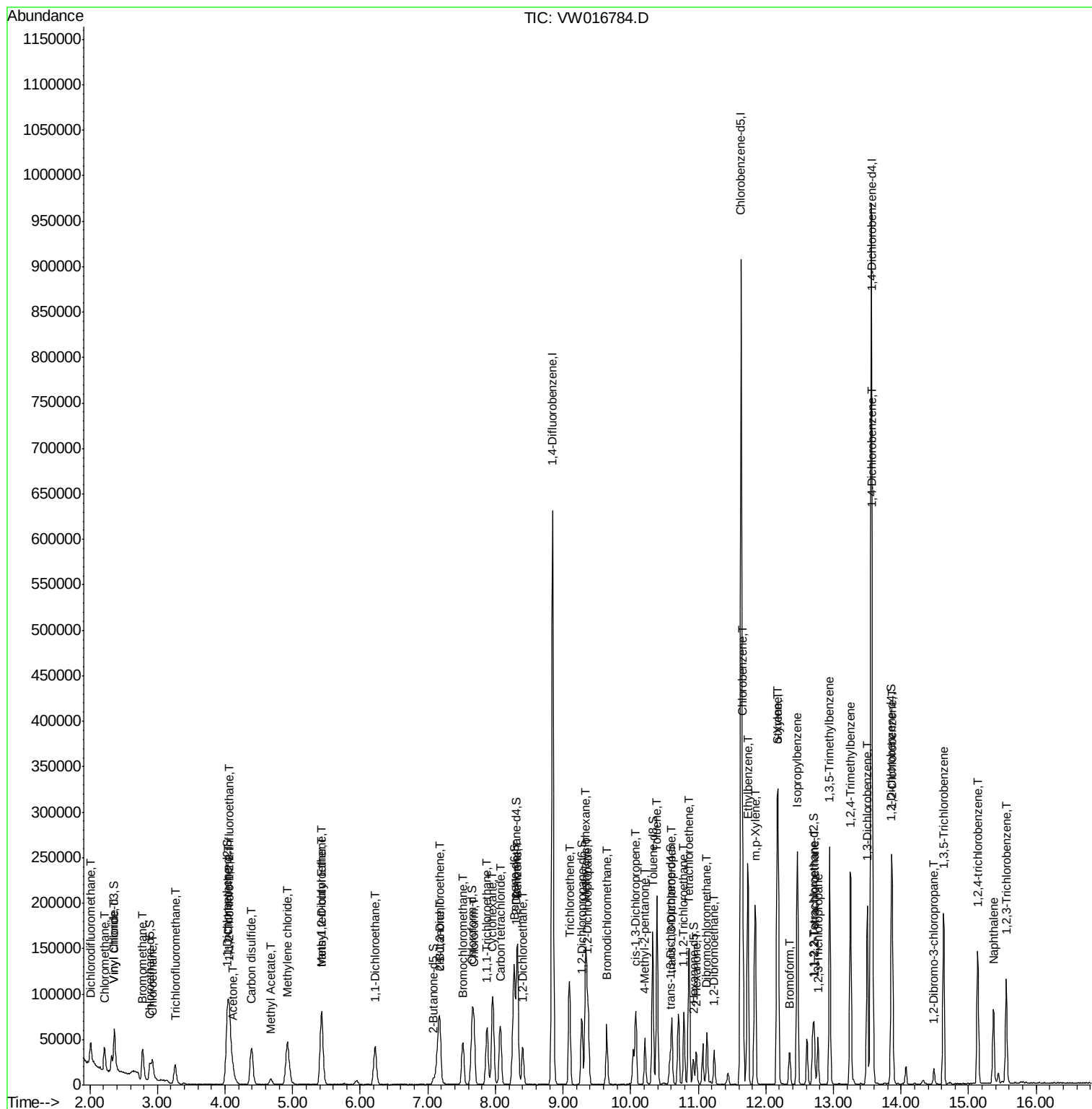
Quant Time: Oct 06 08:10:49 2020

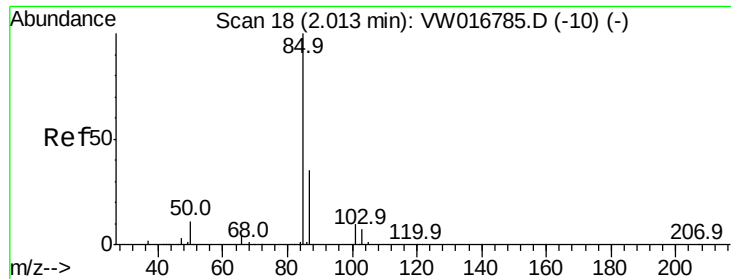
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM100620SMA.M

Quant Title : SFAM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.666 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

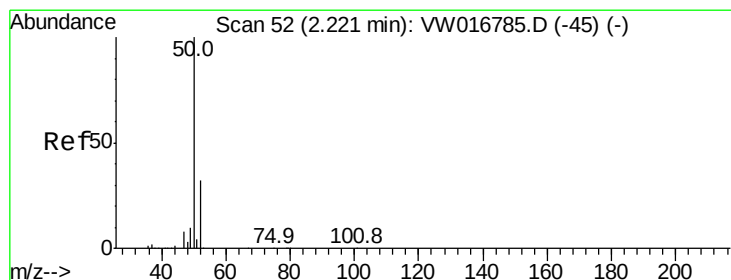
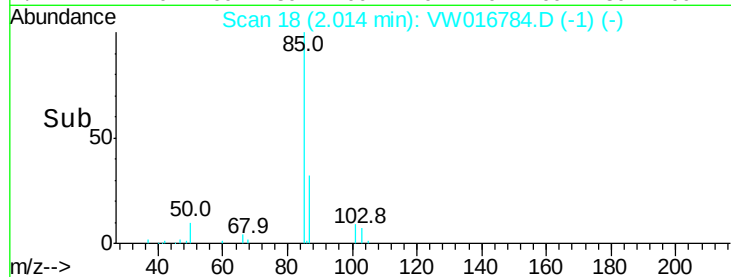
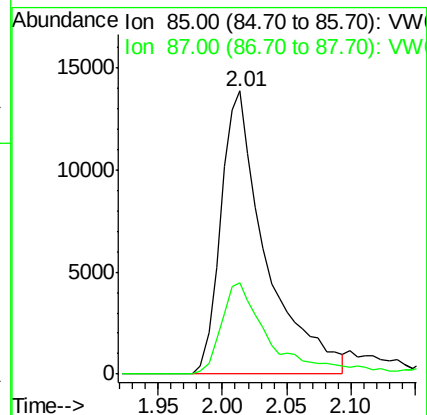
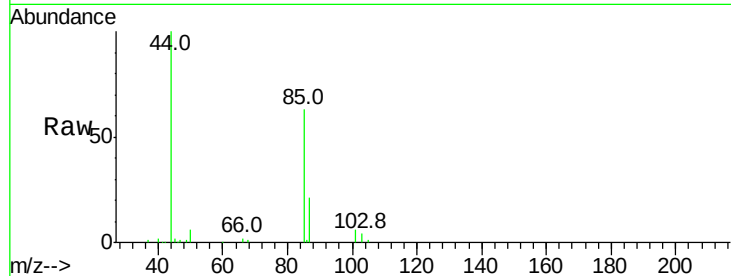
VSTD005102

Tgt Ion: 85 Resp: 33813

Ion Ratio Lower Upper

85 100

87 27.5 26.6 40.0



#3

Chloromethane

Concen: 4.742 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016784.D

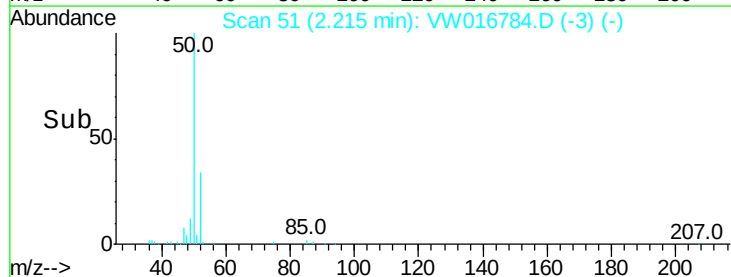
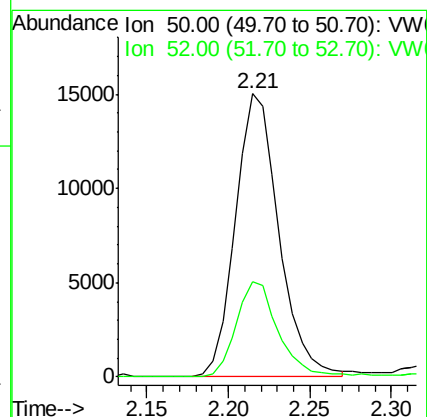
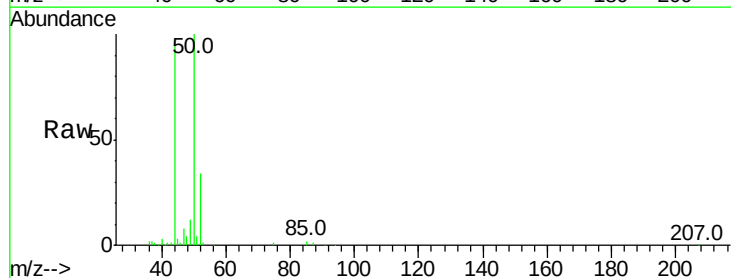
Acq: 06 Oct 2020 07:12

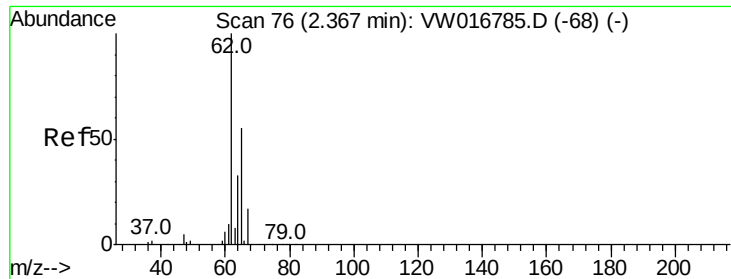
Tgt Ion: 50 Resp: 27962

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.1





#5

Vinyl chloride

Concen: 4.110 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

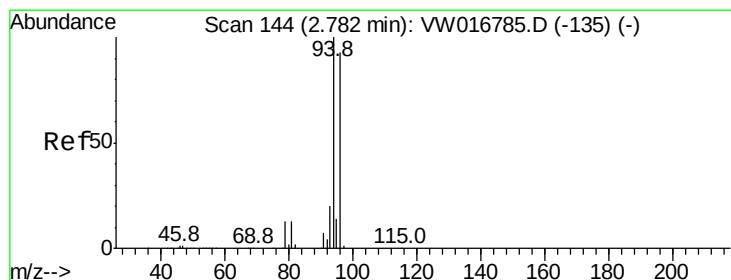
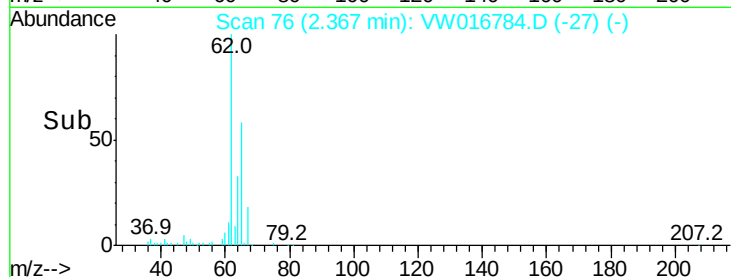
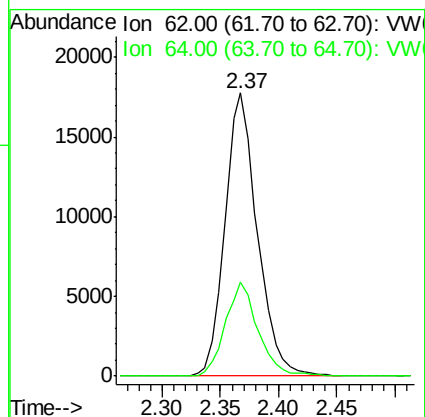
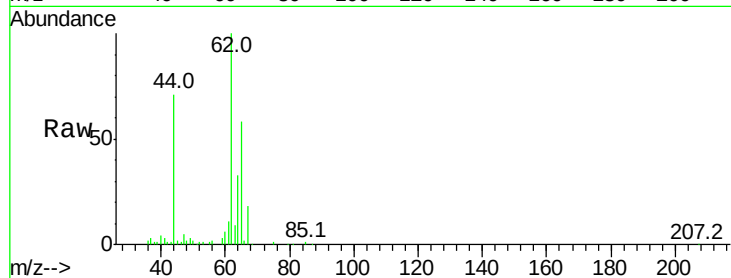
VSTD005102

Tgt Ion: 62 Resp: 34150

Ion Ratio Lower Upper

62 100

64 33.3 23.1 42.9



#6

Bromomethane

Concen: 4.851 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016784.D

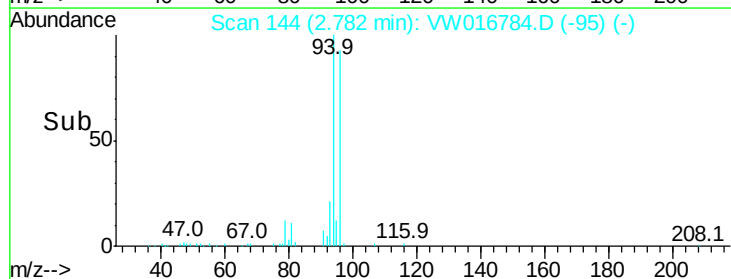
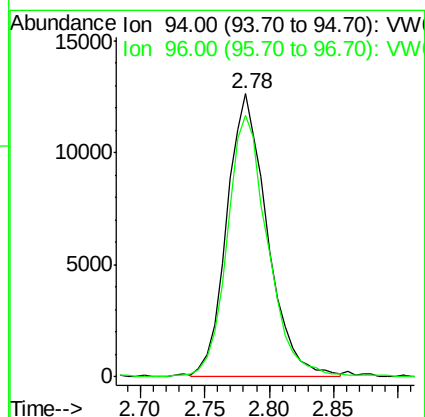
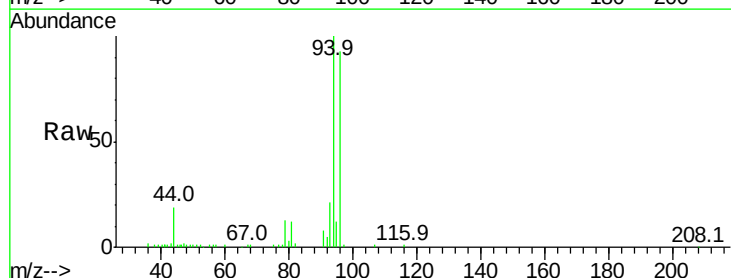
Acq: 06 Oct 2020 07:12

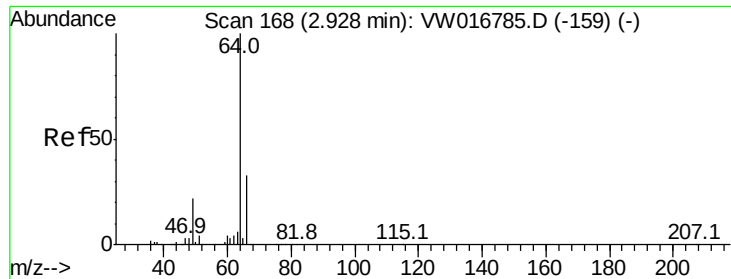
Tgt Ion: 94 Resp: 27711

Ion Ratio Lower Upper

94 100

96 92.6 65.2 121.0





#8

Chloroethane

Concen: 4.998 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

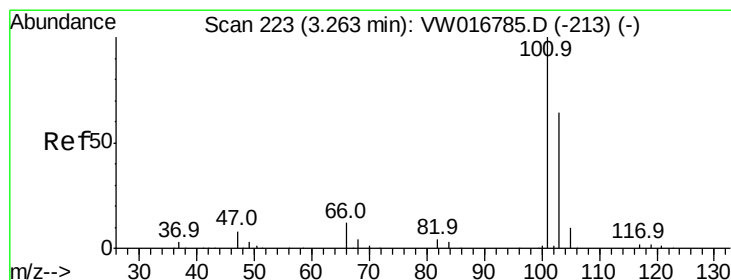
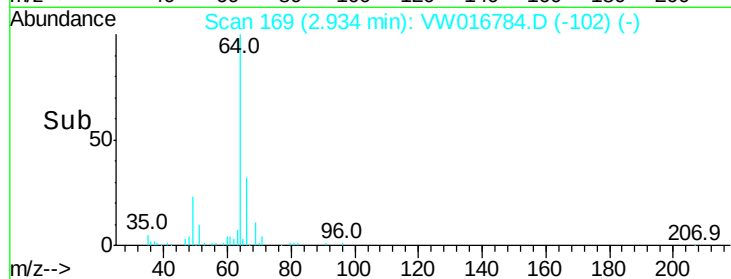
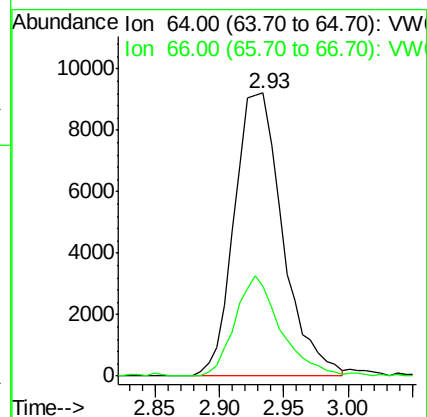
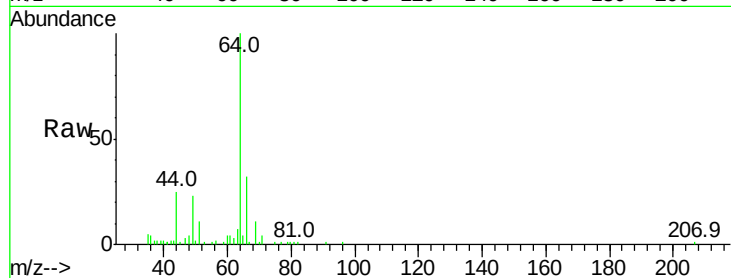
VSTD005102

Tgt Ion: 64 Resp: 24086

Ion Ratio Lower Upper

64 100

66 31.8 23.0 42.8



#9

Trichlorofluoromethane

Concen: 3.666 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW016784.D

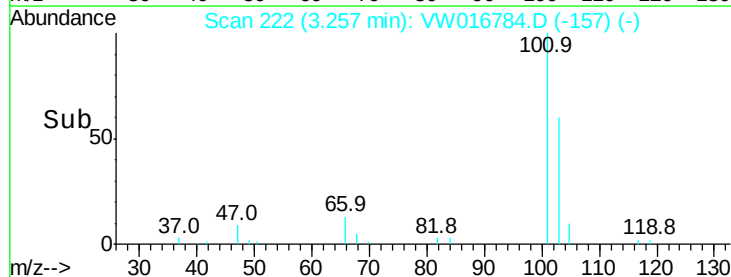
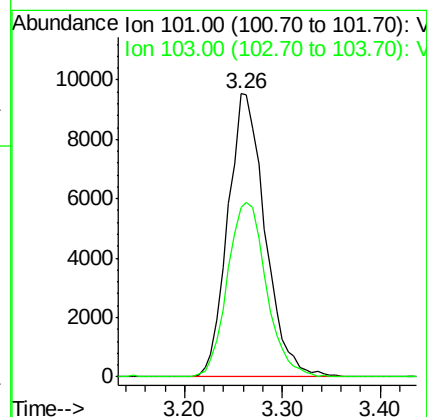
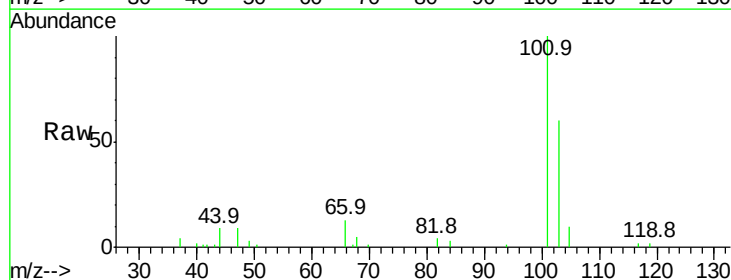
Acq: 06 Oct 2020 07:12

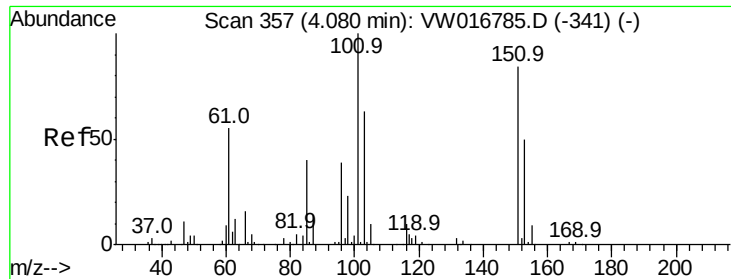
Tgt Ion: 101 Resp: 25274

Ion Ratio Lower Upper

101 100

103 64.0 52.6 78.8





#10

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

Concen: 5.156 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD005102

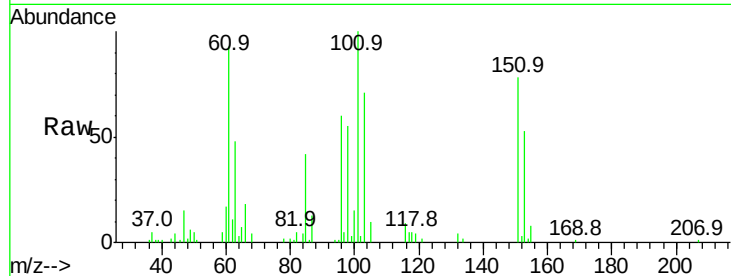
Tgt Ion:101 Resp: 38992

Ion Ratio Lower Upper

101 100

85 42.3 33.2 49.8

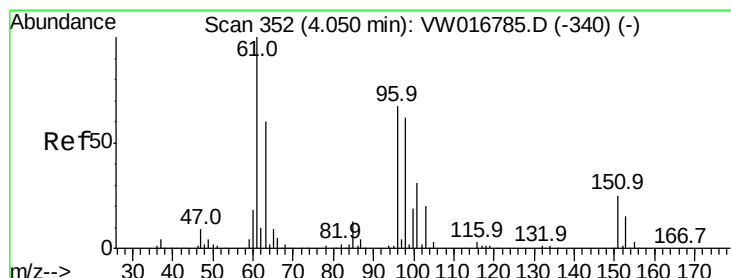
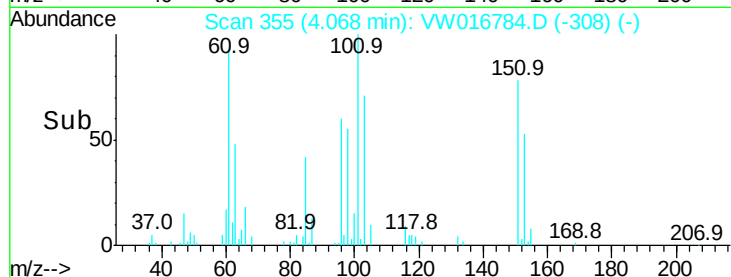
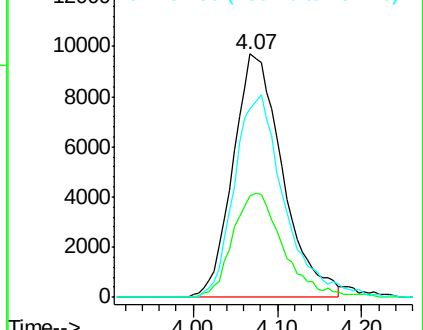
151 80.9 67.5 101.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.598 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

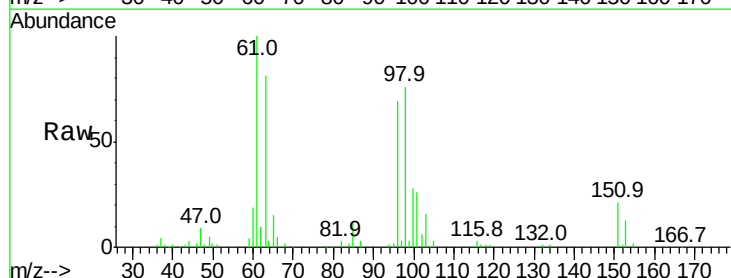
Tgt Ion: 96 Resp: 34604

Ion Ratio Lower Upper

96 100

61 144.0 104.9 194.9

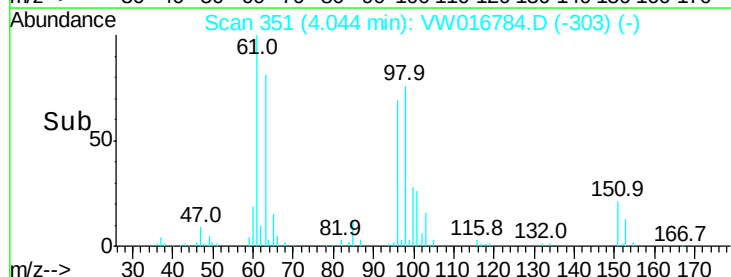
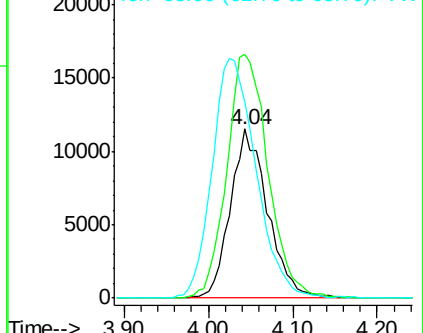
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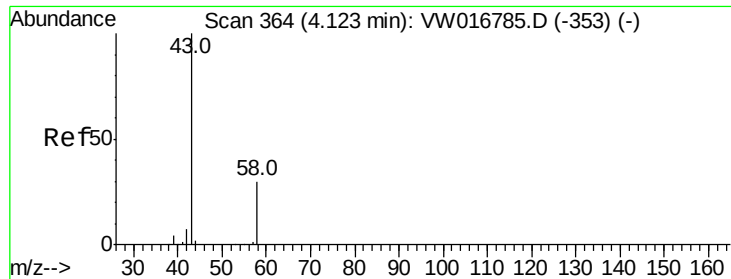


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 13.002 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

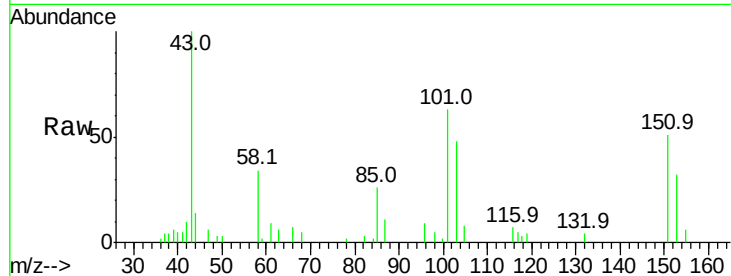
VSTD005102

Tgt Ion: 43 Resp: 11441

Ion Ratio Lower Upper

43 100

58 30.5 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4000

3000

2000

1000

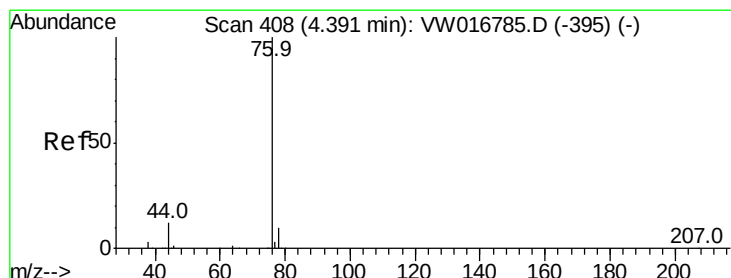
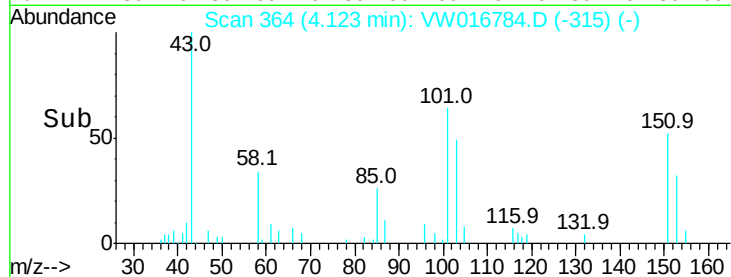
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Time-->

4.00

4.10

4.20



#14

Carbon disulfide

Concen: 4.234 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016784.D

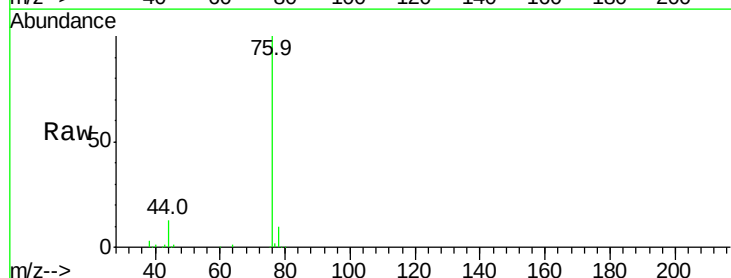
Acq: 06 Oct 2020 07:12

Tgt Ion: 76 Resp: 97405

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

30000

20000

10000

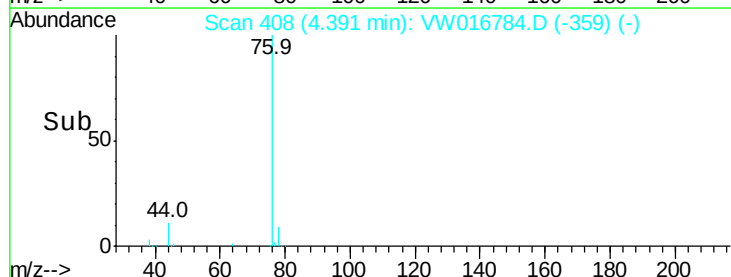
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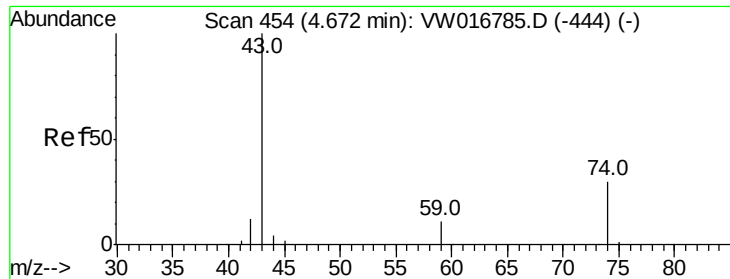
Time-->

4.30

4.40

4.50

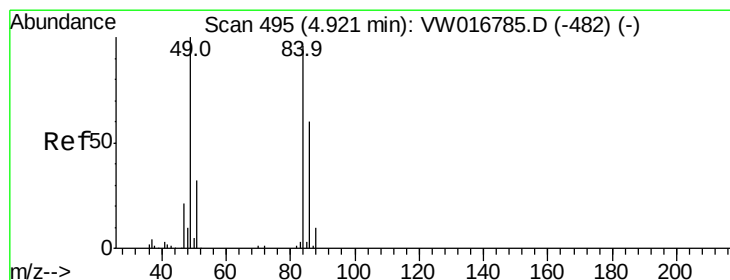
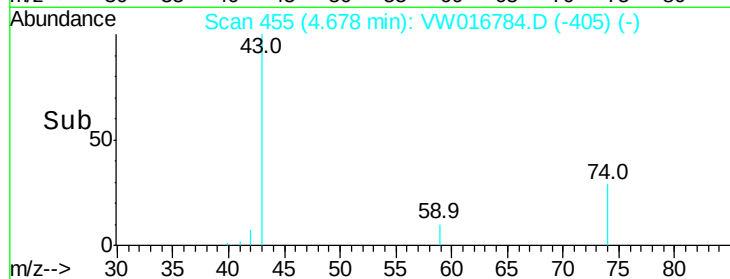
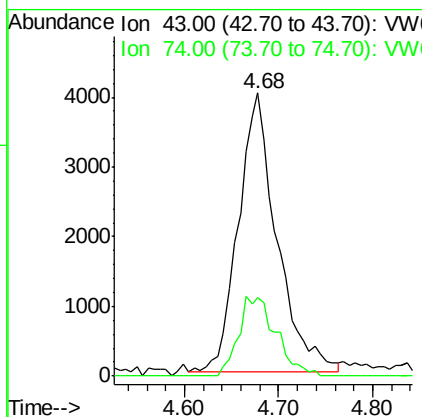
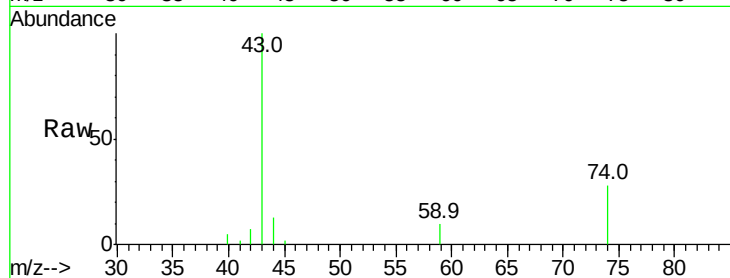




#15
Methyl Acetate
Concen: 5.132 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

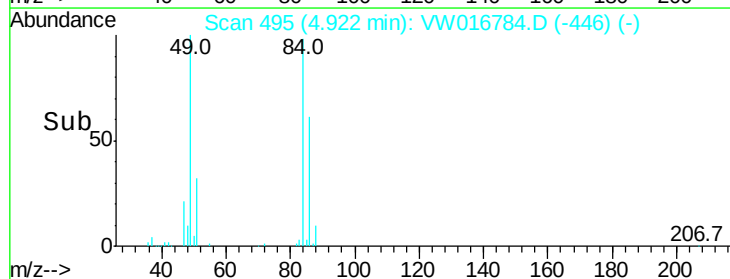
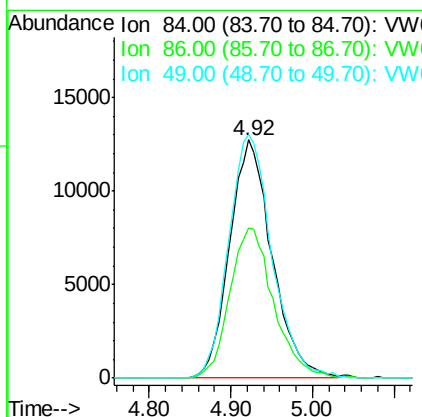
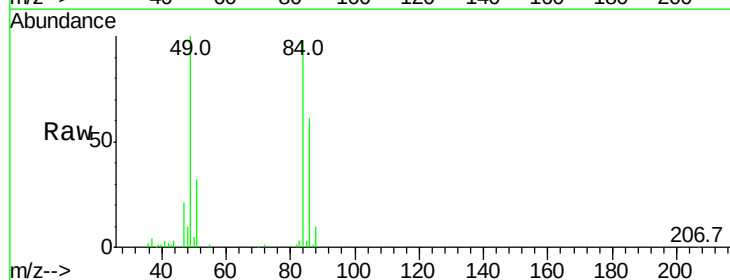
Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

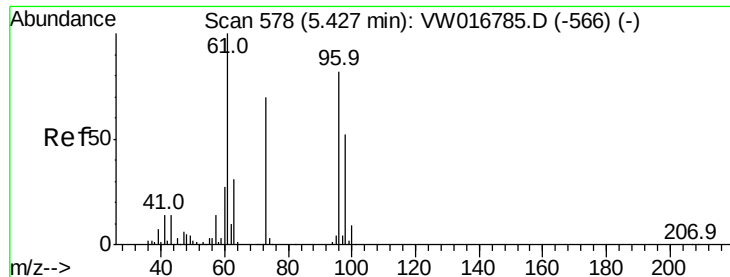
Tgt Ion: 43 Resp: 11336
Ion Ratio Lower Upper
43 100
74 11.7 22.7 34.1#



#16
Methylene chloride
Concen: 5.420 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

Tgt Ion: 84 Resp: 45905
Ion Ratio Lower Upper
84 100
86 62.9 44.3 82.3
49 102.3 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 5.021 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD005102

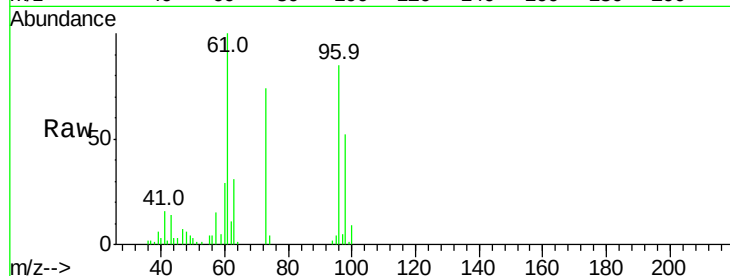
Tgt Ion: 96 Resp: 39115

Ion Ratio Lower Upper

96 100

61 118.2 85.3 158.5

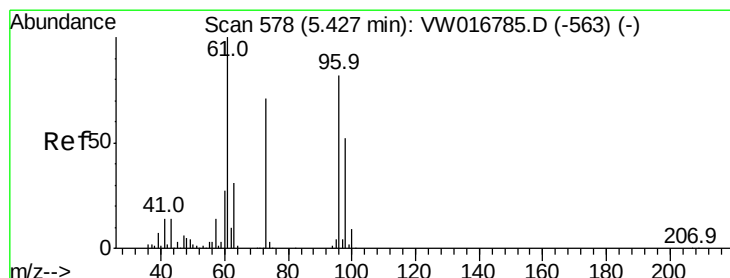
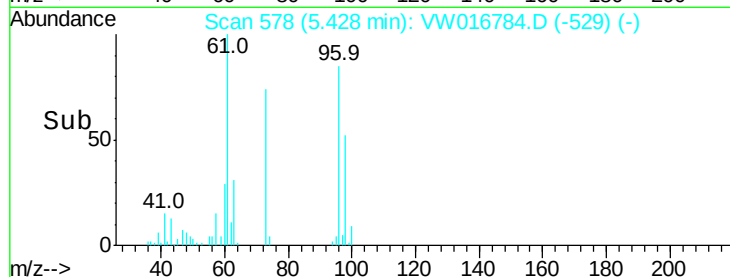
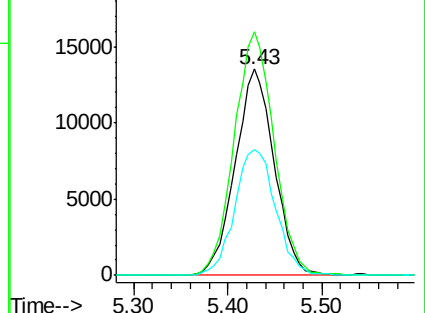
98 61.1 44.1 81.9



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



#18

Methyl tert-butyl Ether

Concen: 4.826 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

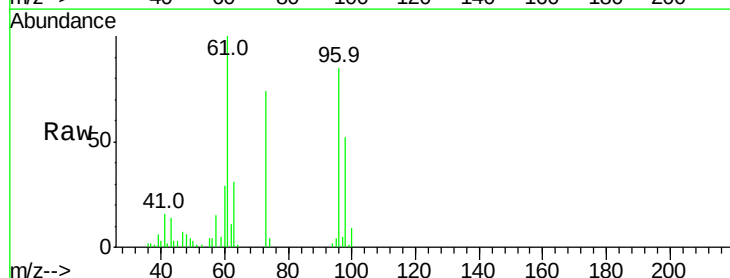
Tgt Ion: 73 Resp: 40778

Ion Ratio Lower Upper

73 100

43 19.9 14.9 22.3

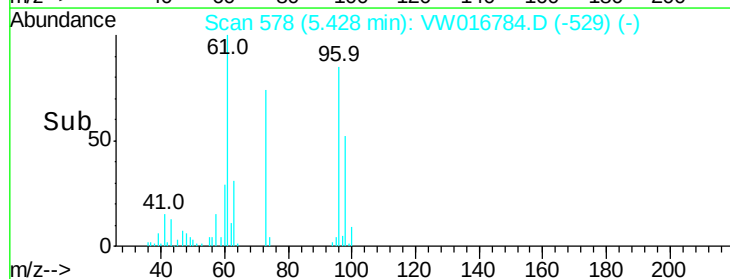
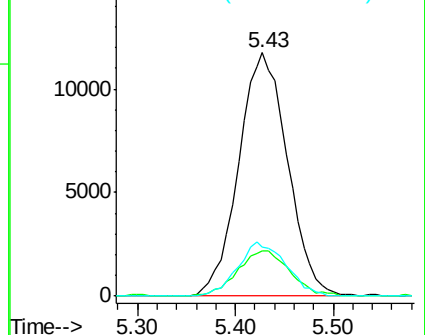
57 21.7 16.4 24.6

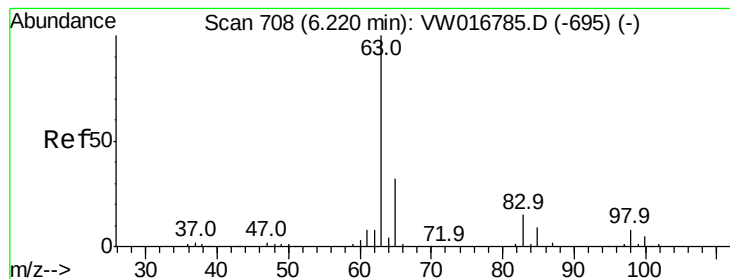


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 4.907 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampled :

VSTD005102

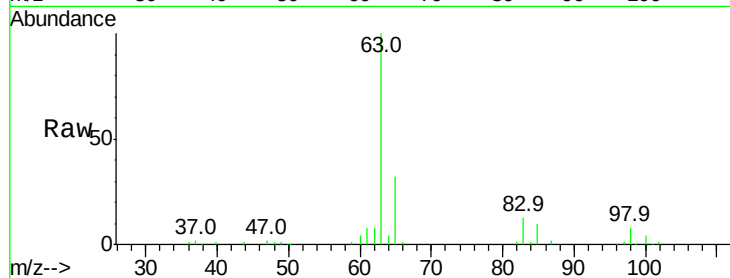
Tgt Ion: 63 Resp: 59428

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

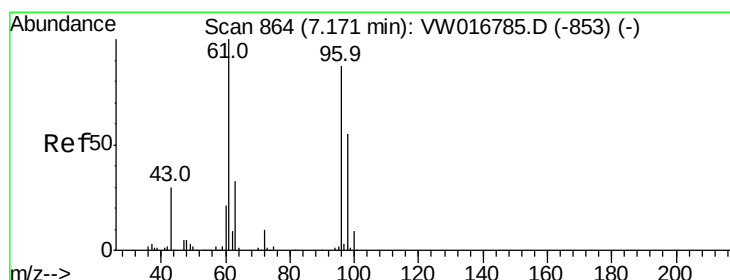
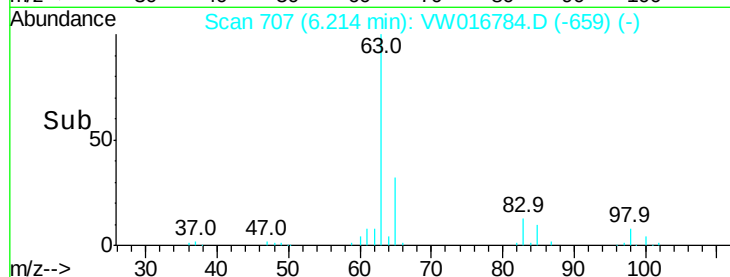
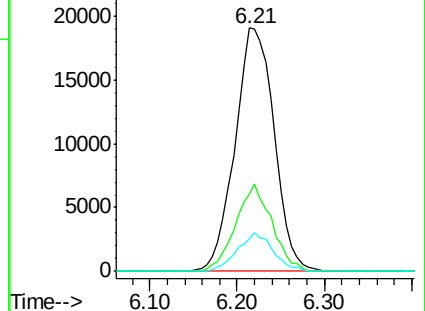
83 13.5 10.2 19.0



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: 4.832 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

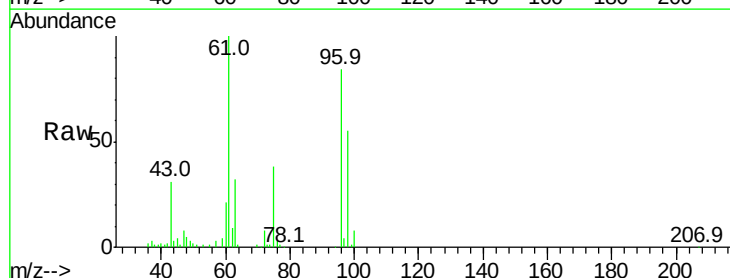
Tgt Ion: 96 Resp: 38588

Ion Ratio Lower Upper

96 100

61 118.4 80.3 149.1

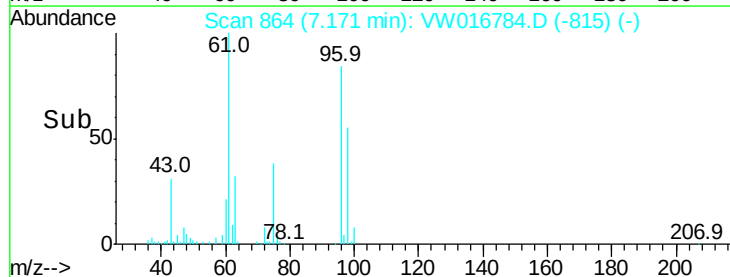
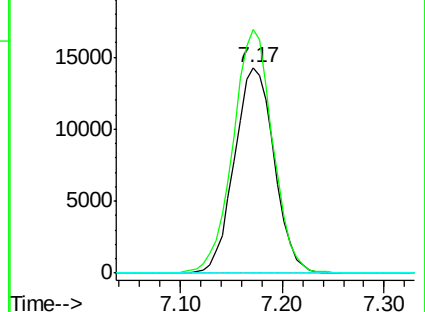
68 0.0 0.0 0.0

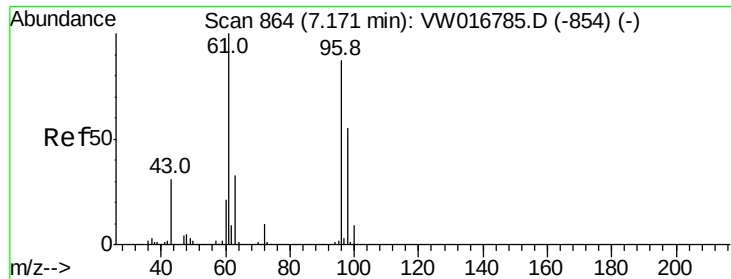


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 10.351 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

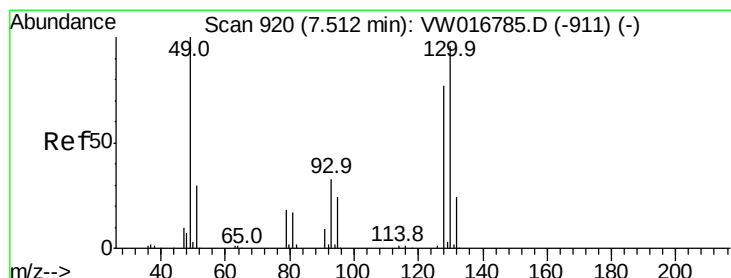
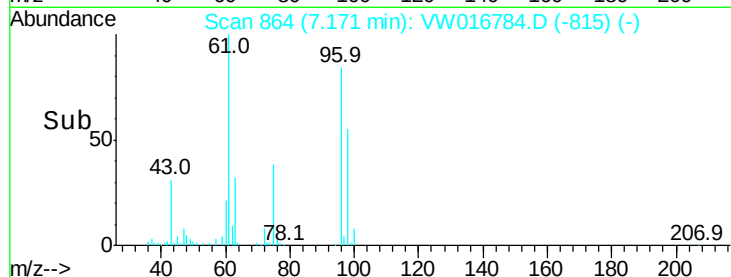
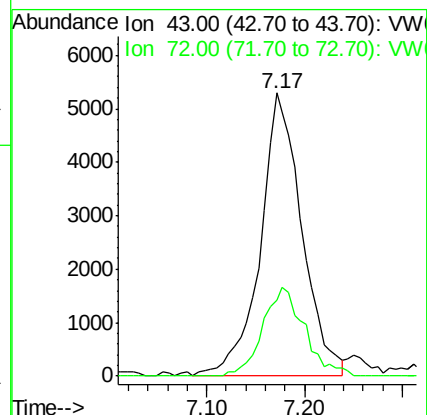
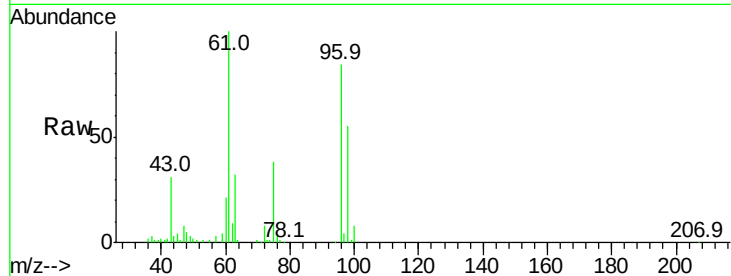
VSTD005102

Tgt Ion: 43 Resp: 15638

Ion Ratio Lower Upper

43 100

72 30.0 15.7 47.1



#23

Bromochloromethane

Concen: 5.071 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Tgt Ion: 128 Resp: 19024

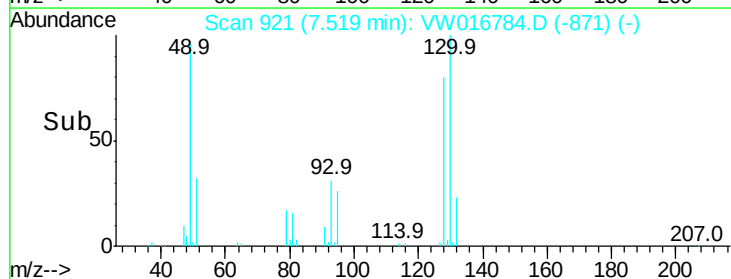
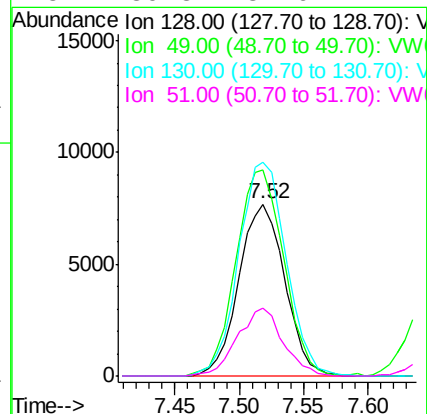
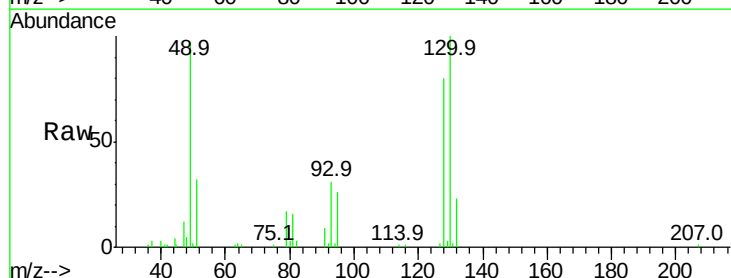
Ion Ratio Lower Upper

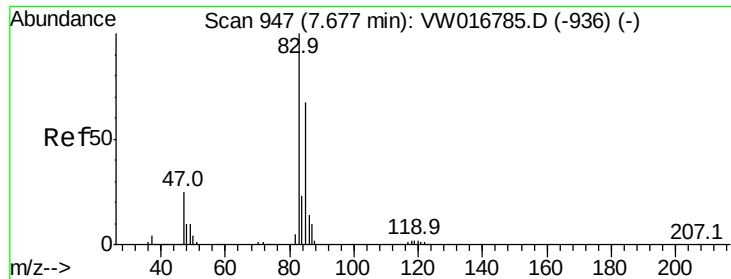
128 100

49 120.5 91.1 169.3

130 124.5 87.6 162.6

51 39.3 31.6 47.4

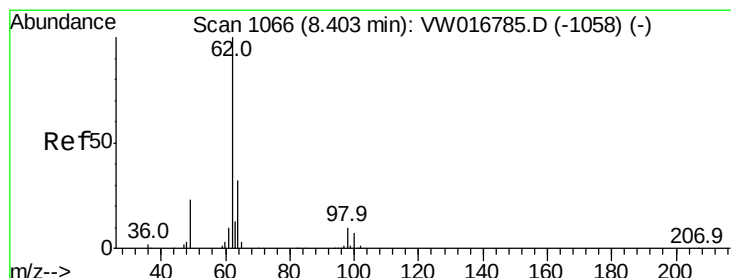
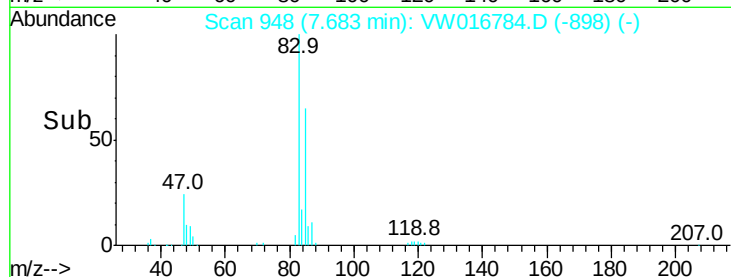
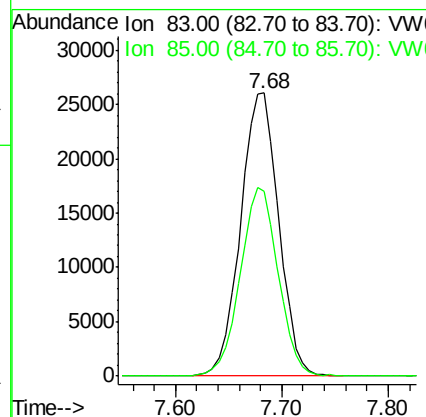
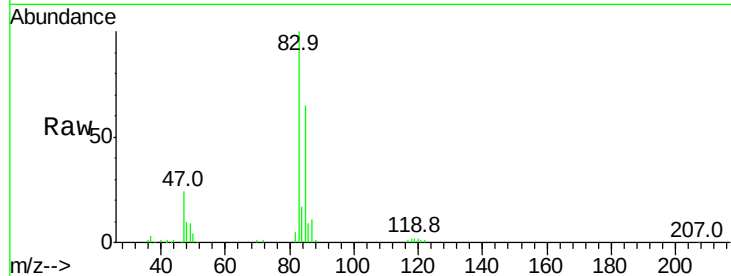




#25
Chloroform
Concen: 5.043 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

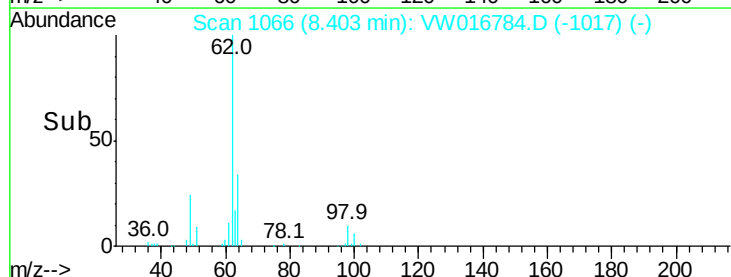
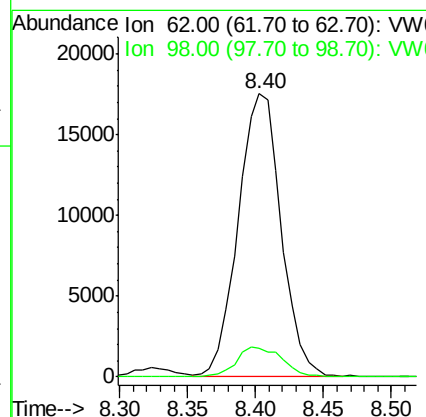
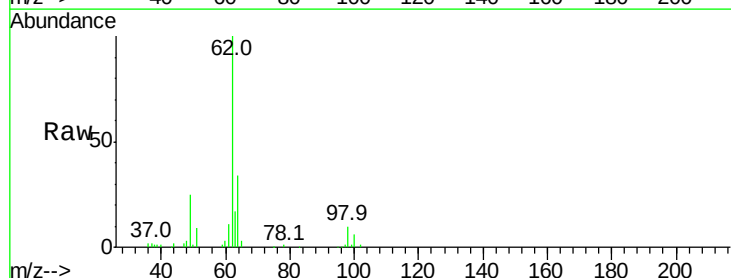
Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

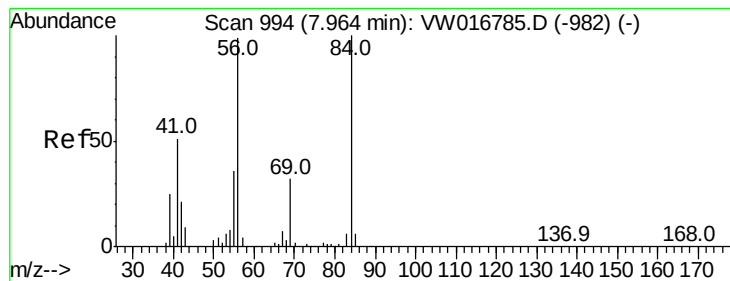
Tgt Ion: 83 Resp: 65528
Ion Ratio Lower Upper
83 100
85 65.3 46.9 87.1



#27
1,2-Dichloroethane
Concen: 5.041 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

Tgt Ion: 62 Resp: 38692
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.4





#29

Cyclohexane

Concen: 4.826 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD005102

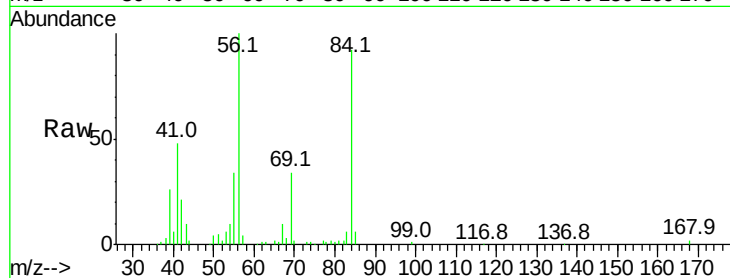
Tgt Ion: 56 Resp: 53522

Ion Ratio Lower Upper

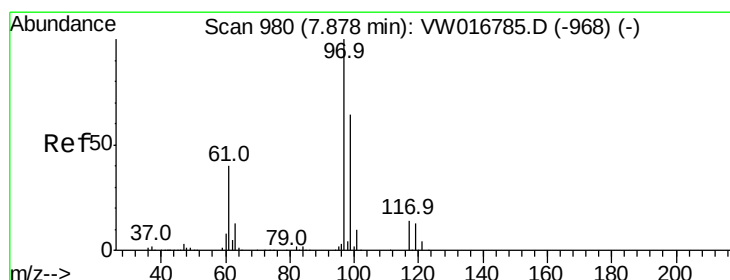
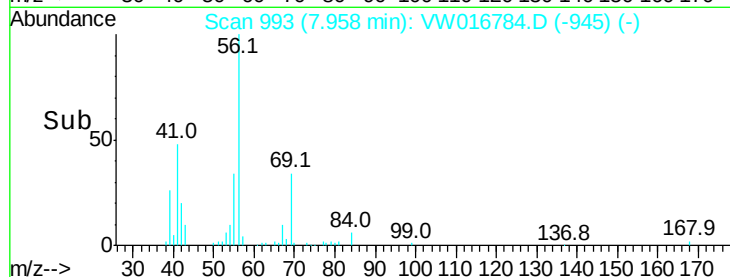
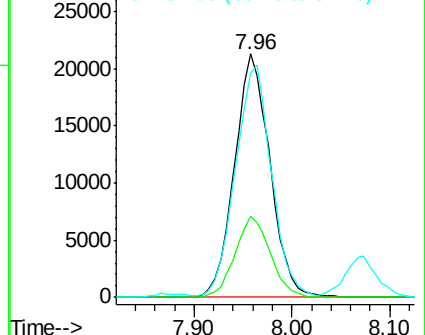
56 100

69 32.9 26.3 39.5

84 97.7 81.1 121.7



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#30

1,1,1-Trichloroethane

Concen: 4.833 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

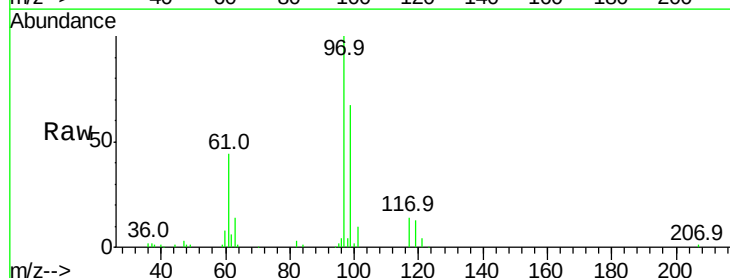
Tgt Ion: 97 Resp: 55089

Ion Ratio Lower Upper

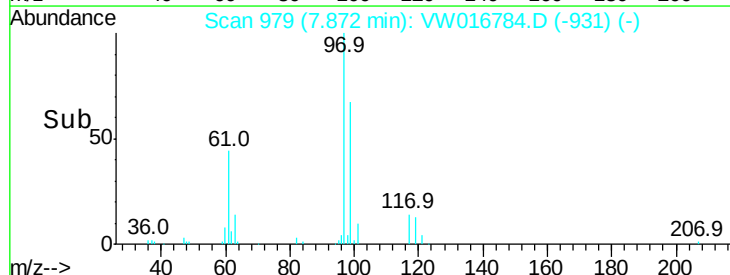
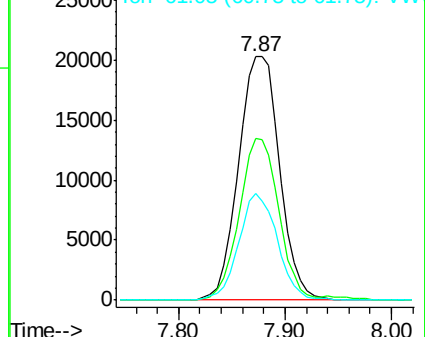
97 100

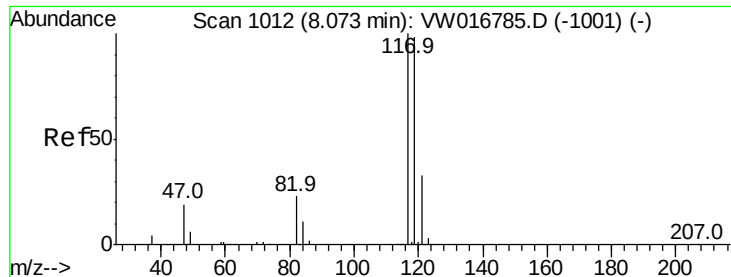
99 63.7 51.0 76.4

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

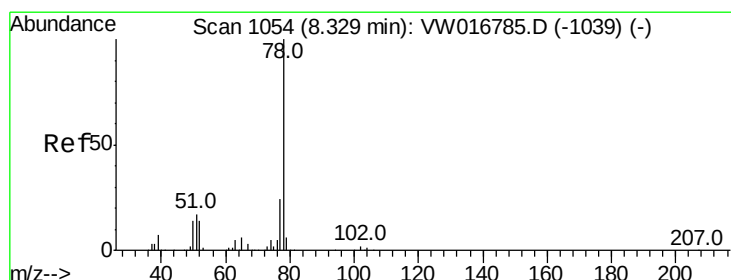
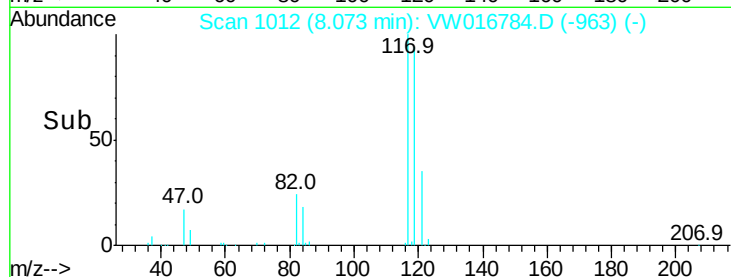
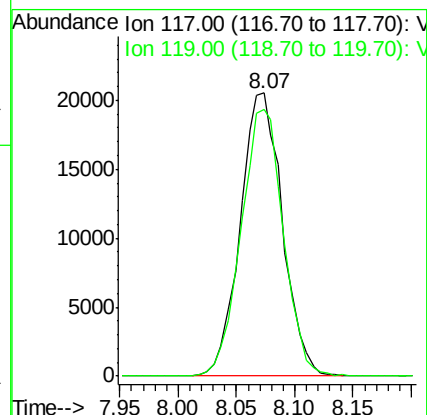
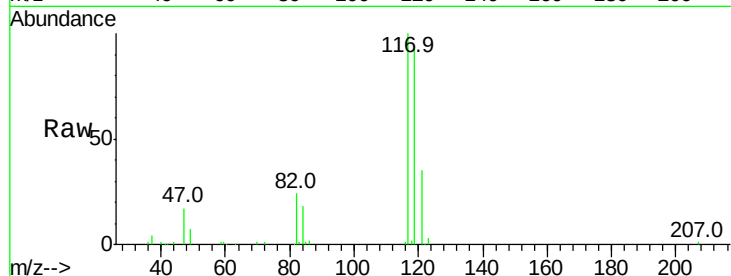




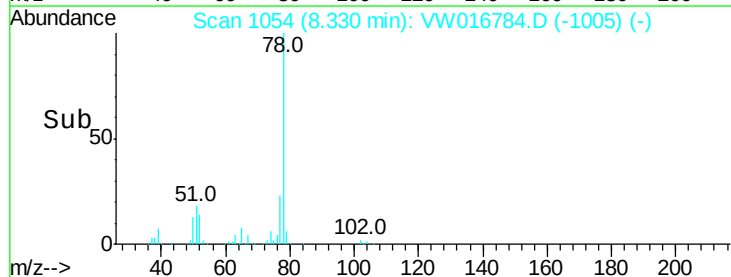
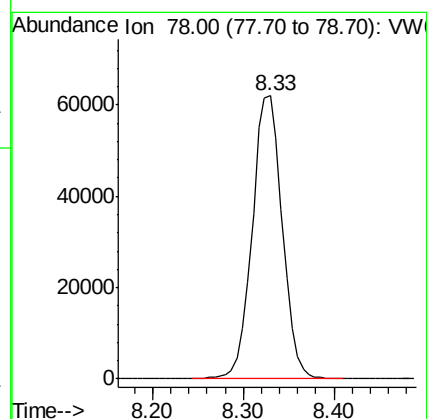
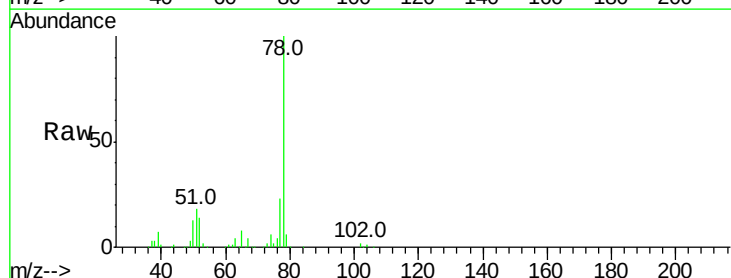
#31
Carbon tetrachloride
Concen: 4.580 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

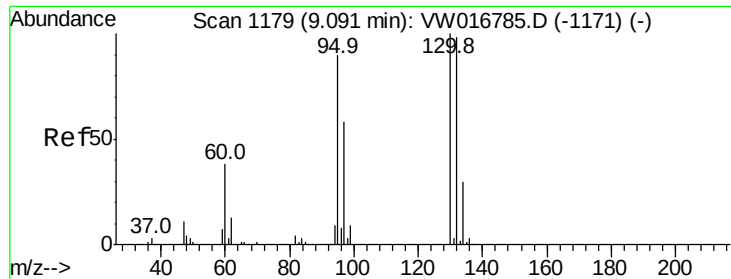
Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

Tgt Ion:117 Resp: 51554
Ion Ratio Lower Upper
117 100
119 94.7 76.1 114.1



#33
Benzene
Concen: 4.971 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12
Tgt Ion: 78 Resp: 141980

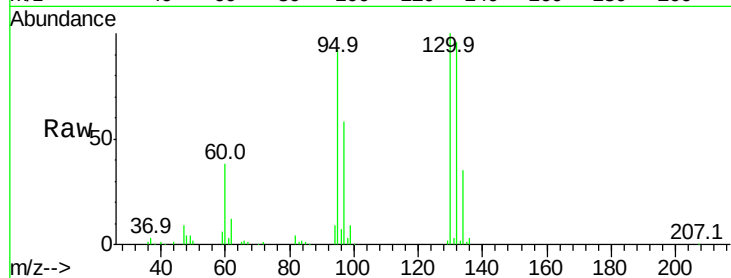




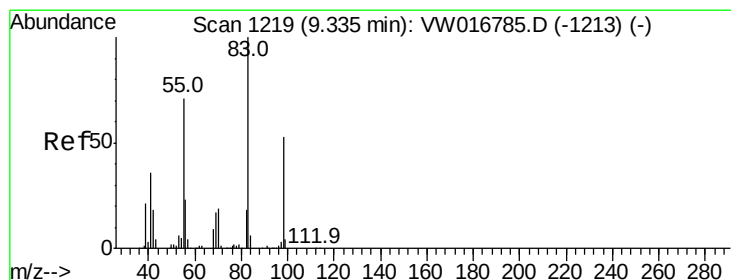
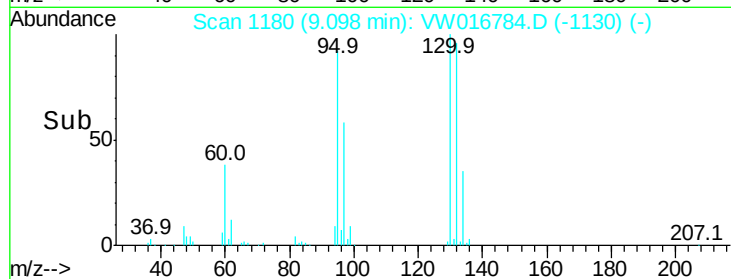
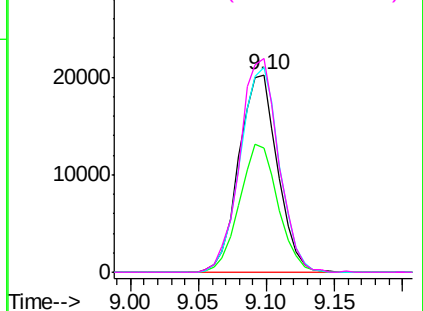
#34
 Trichloroethene
 Concen: 4.987 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

Tgt Ion: 95 Resp: 40141
 Ion Ratio Lower Upper
 95 100
 97 62.9 45.5 84.5
 132 103.9 76.4 142.0
 130 108.3 77.9 144.7

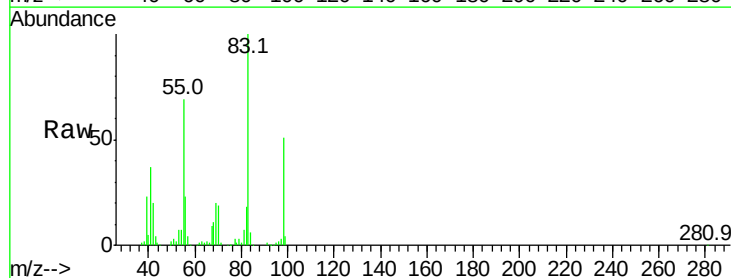


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

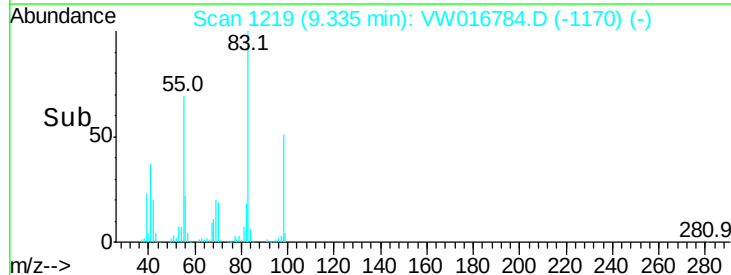
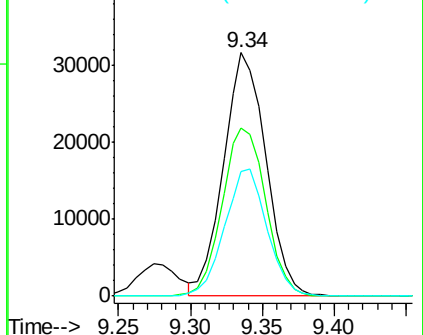


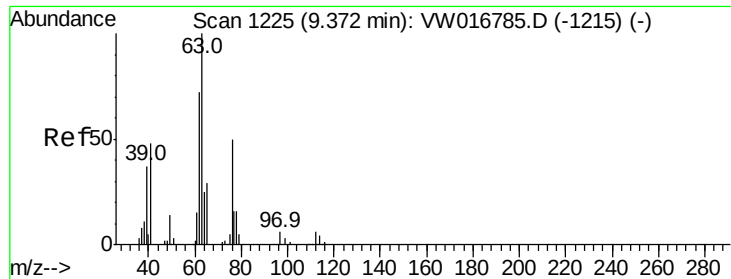
#35
 Methylcyclohexane
 Concen: 4.759 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion: 83 Resp: 64922
 Ion Ratio Lower Upper
 83 100
 55 70.7 55.4 83.2
 98 52.1 41.6 62.4



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

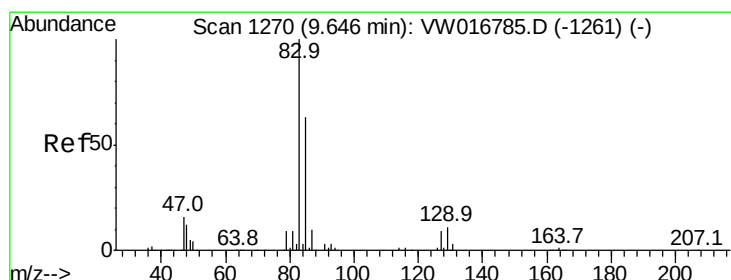
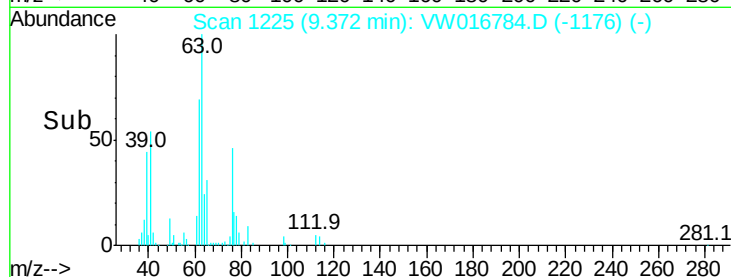
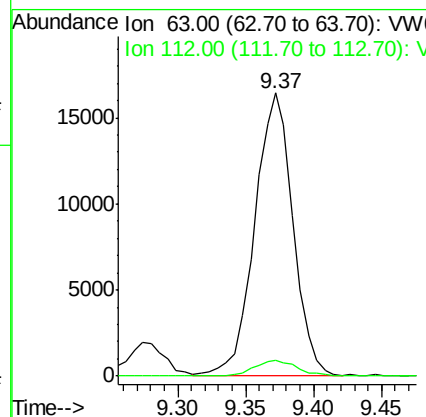
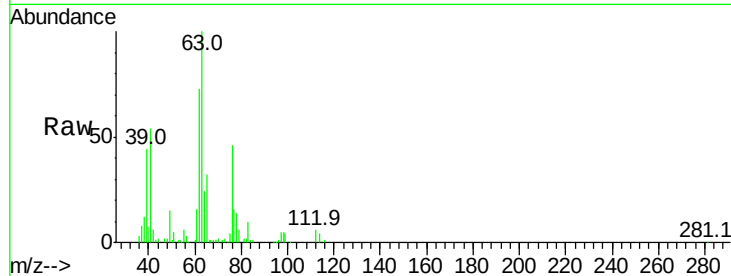




#37
 1,2-Dichloropropane
 Concen: 5.008 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

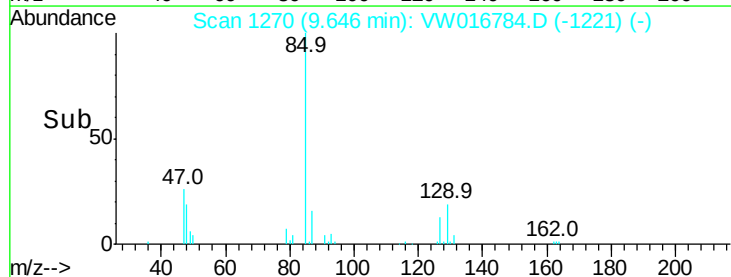
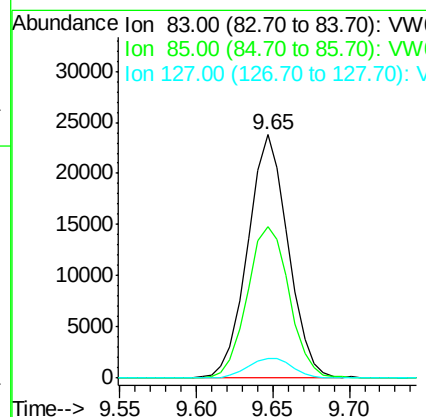
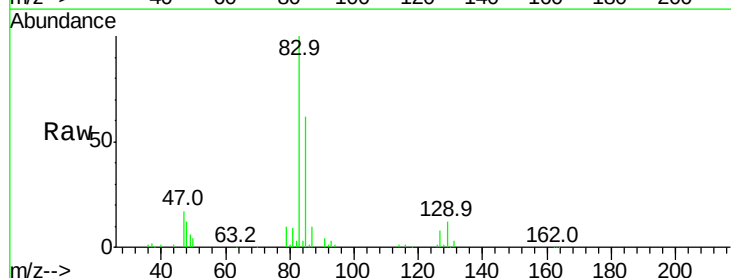
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

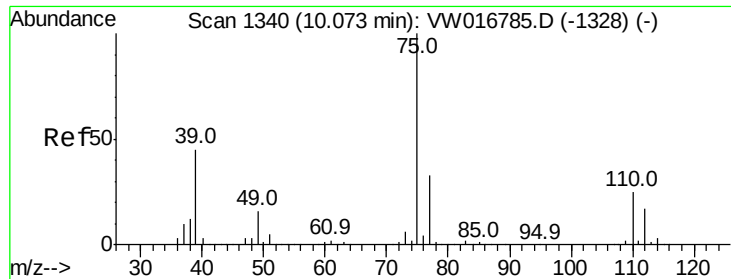
Tgt Ion: 63 Resp: 32447
 Ion Ratio Lower Upper
 63 100
 112 6.2 4.6 7.0



#38
 Bromodichloromethane
 Concen: 4.807 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion: 83 Resp: 43685
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.2 82.0
 127 8.2 7.0 10.4

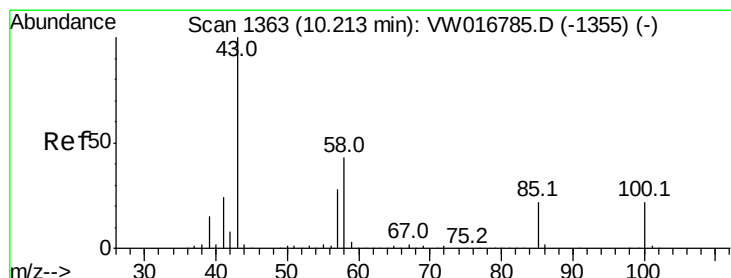
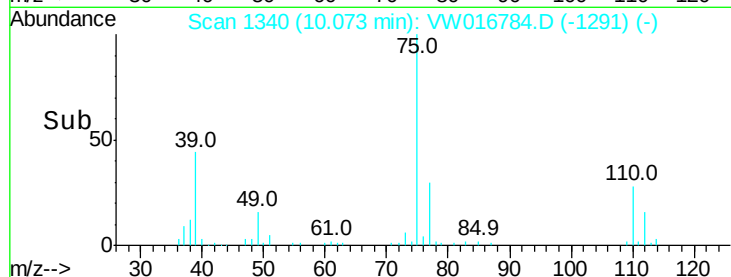
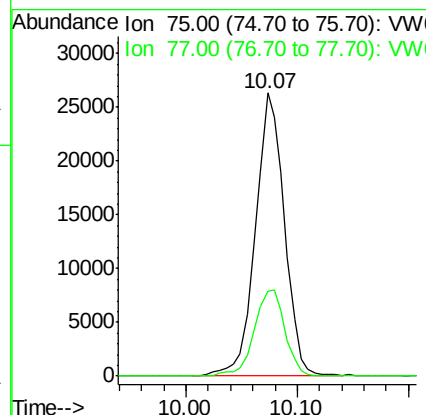
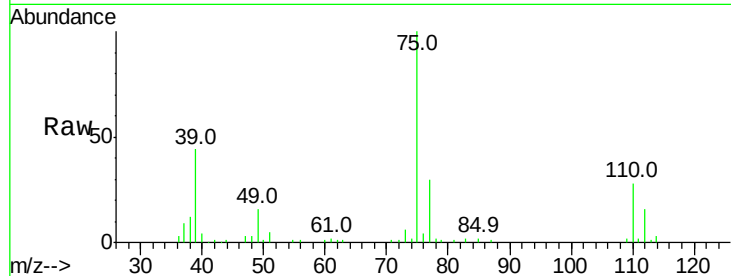




#39
 cis-1,3-Dichloropropene
 Concen: 4.594 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

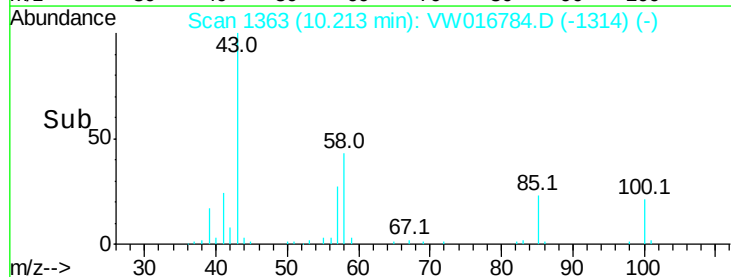
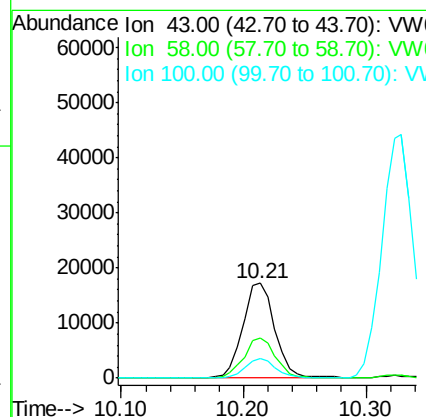
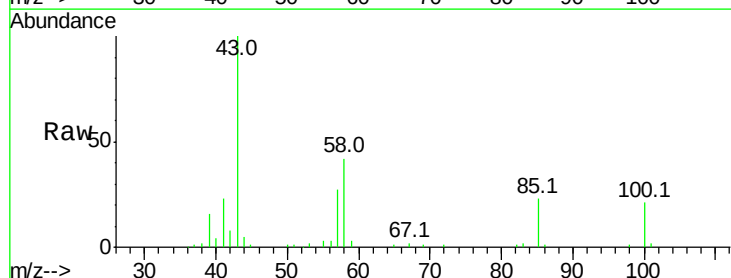
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

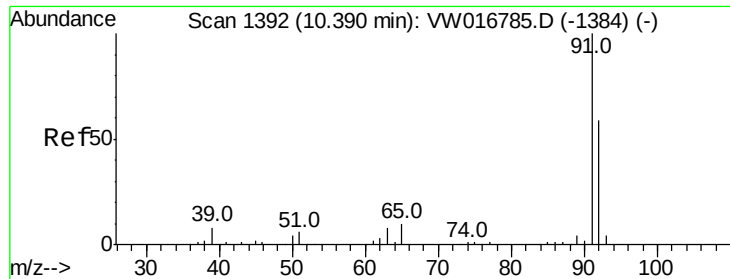
Tgt Ion: 75 Resp: 47820
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 9.914 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion: 43 Resp: 31441
 Ion Ratio Lower Upper
 43 100
 58 41.7 34.2 51.2
 100 20.1 16.6 25.0





#42

Toluene

Concen: 4.919 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

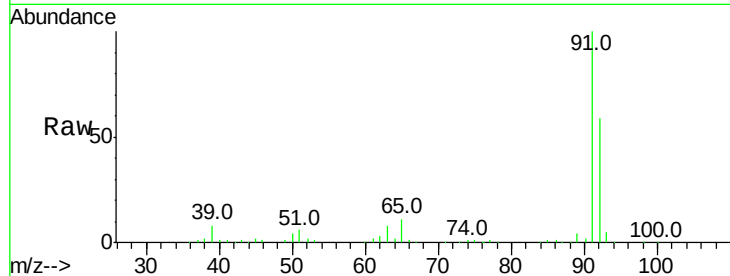
VSTD005102

Tgt Ion: 91 Resp: 156550

Ion Ratio Lower Upper

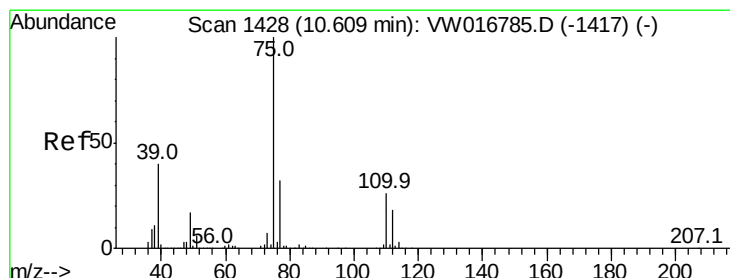
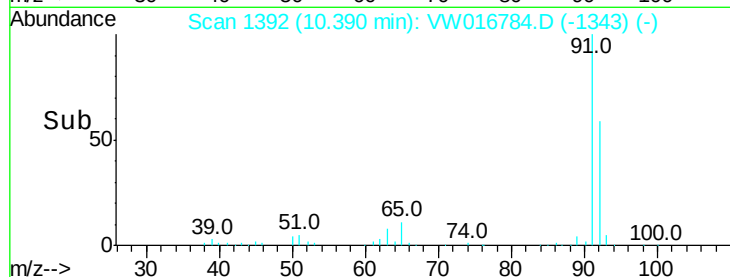
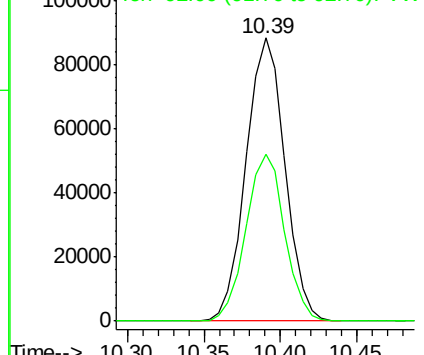
91 100

92 59.0 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#44

trans-1,3-Dichloropropene

Concen: 4.697 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016784.D

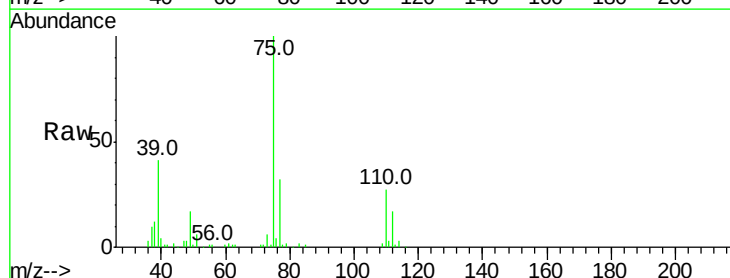
Acq: 06 Oct 2020 07:12

Tgt Ion: 75 Resp: 41518

Ion Ratio Lower Upper

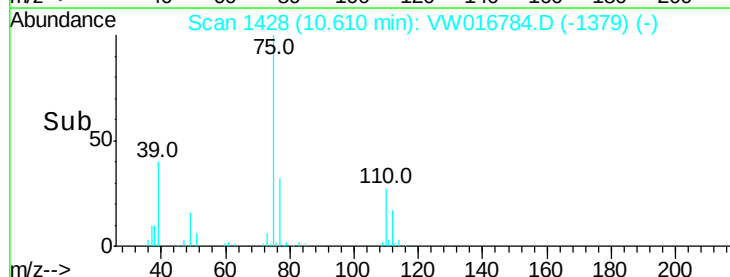
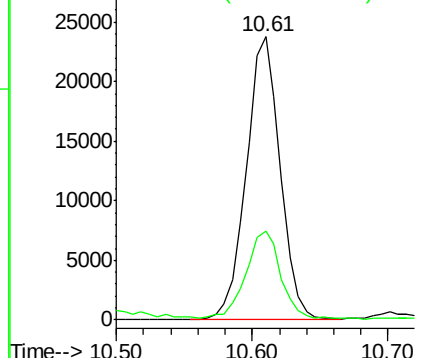
75 100

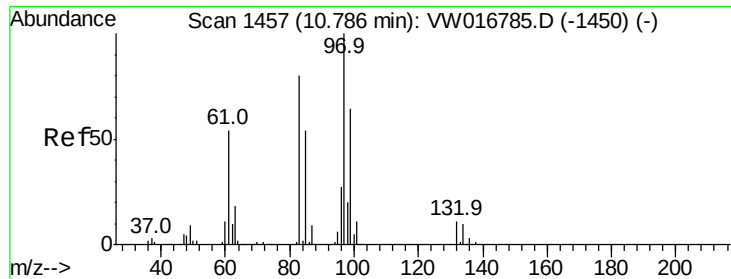
77 31.6 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

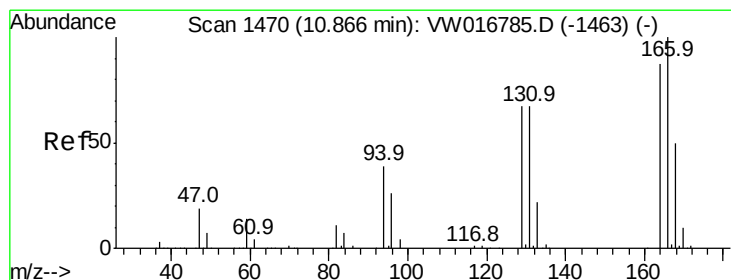
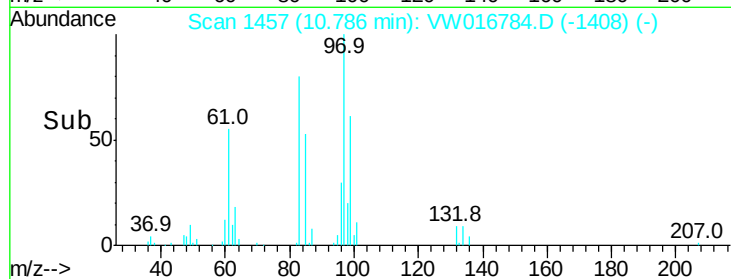
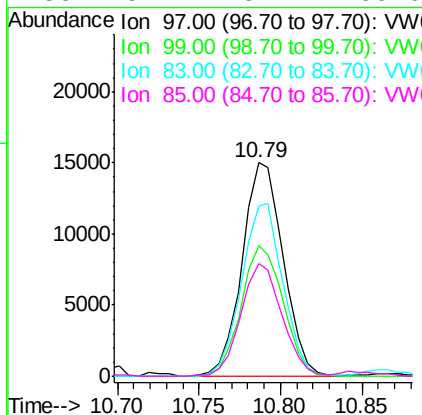
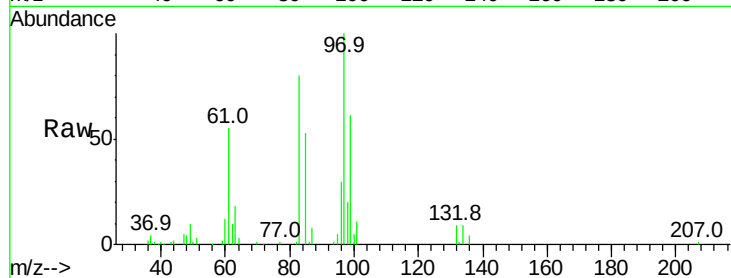




#45
 1,1,2-Trichloroethane
 Concen: 5.086 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

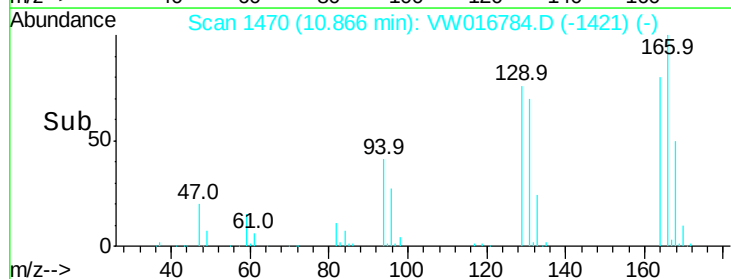
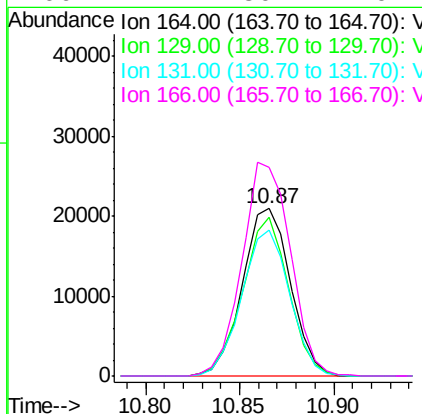
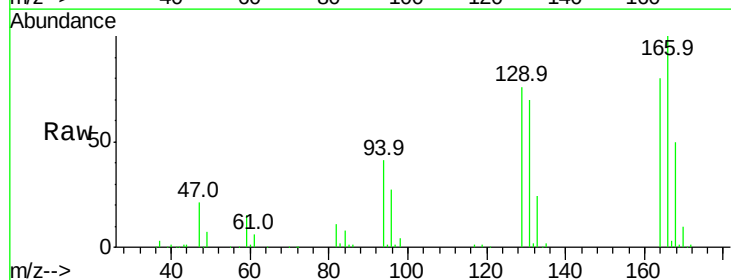
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

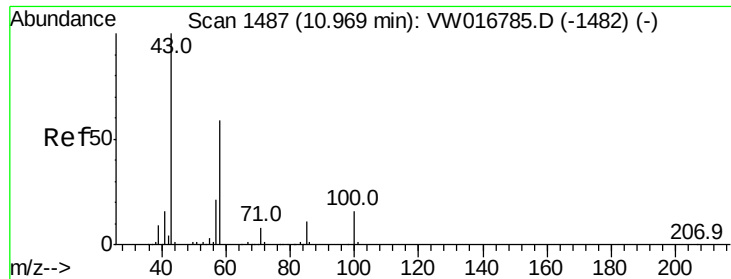
Tgt Ion:	97	Resp:	26389
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.9	83.3
83	79.6	55.8	103.6
85	52.7	37.7	69.9



#46
 Tetrachloroethene
 Concen: 5.030 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion:	164	Resp:	37066
Ion	Ratio	Lower	Upper
164	100		
129	94.9	54.2	100.6
131	87.4	54.1	100.5
166	124.7	80.4	149.4



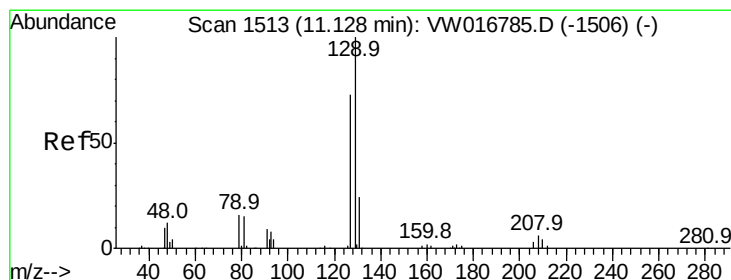
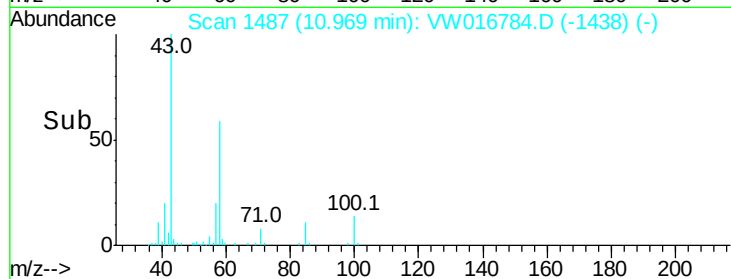
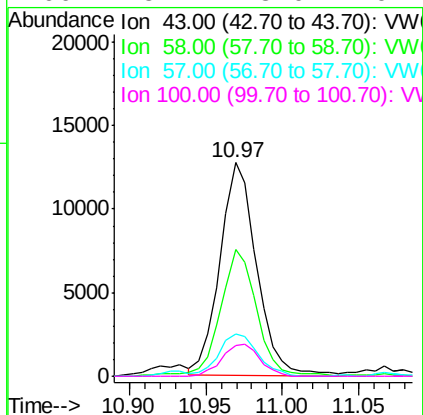
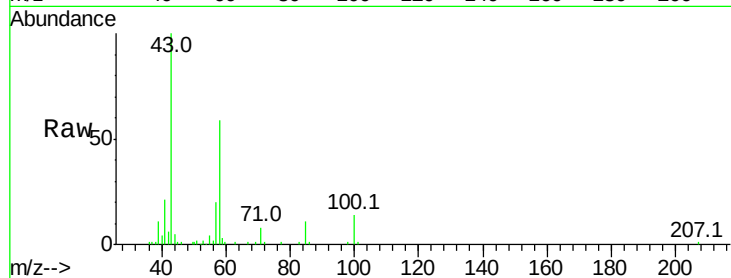


#48
2-Hexanone
Concen: 10.206 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

Tgt Ion: 43 Resp: 21269

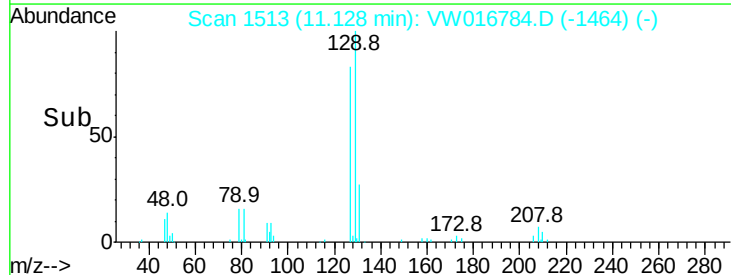
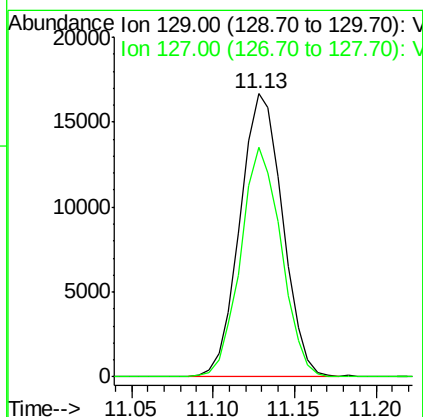
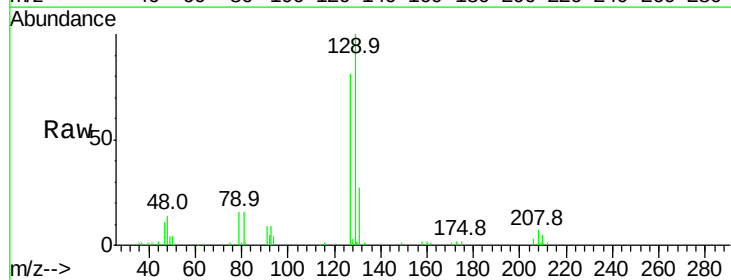
Ion	Ratio	Lower	Upper
43	100		
58	58.8	46.7	70.1
57	20.8	16.9	25.3
100	15.4	13.0	19.4

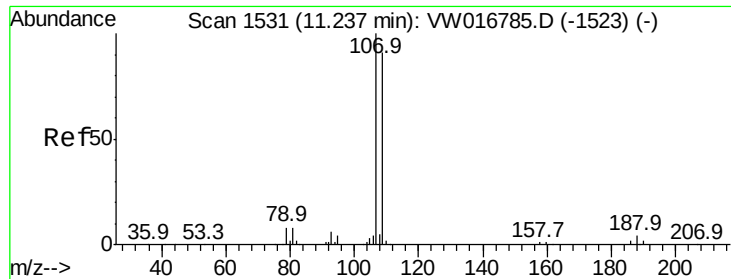


#49
Dibromochloromethane
Concen: 4.613 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

Tgt Ion: 129 Resp: 30427

Ion	Ratio	Lower	Upper
129	100		
127	81.3	50.8	94.4

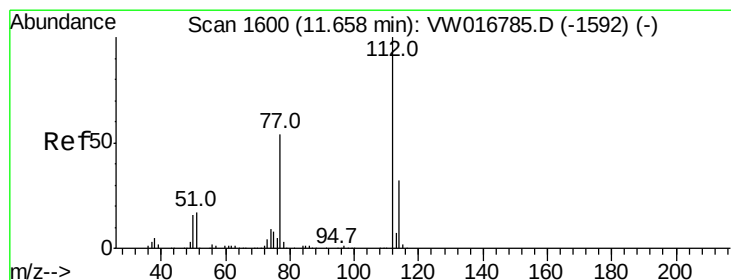
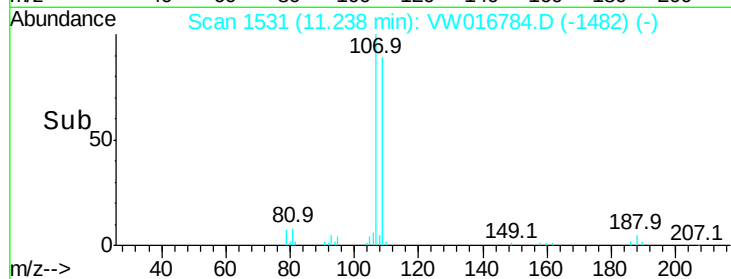
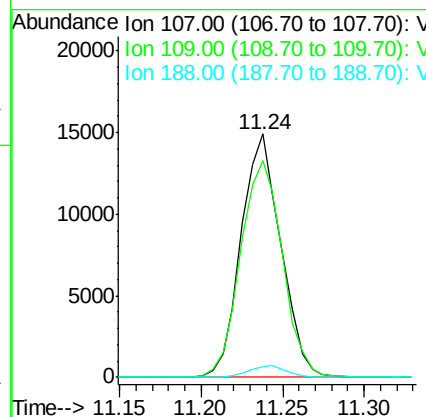
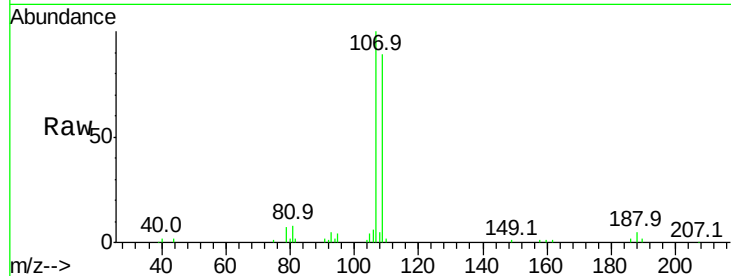




#50
1,2-Dibromoethane
Concen: 4.987 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

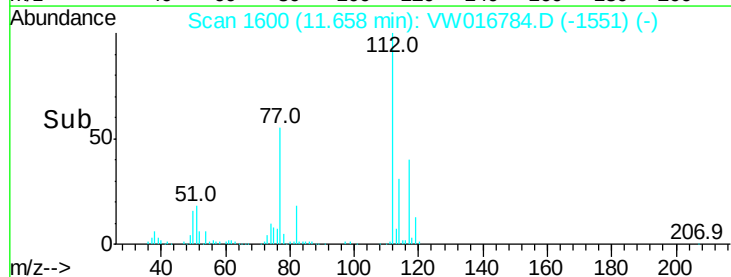
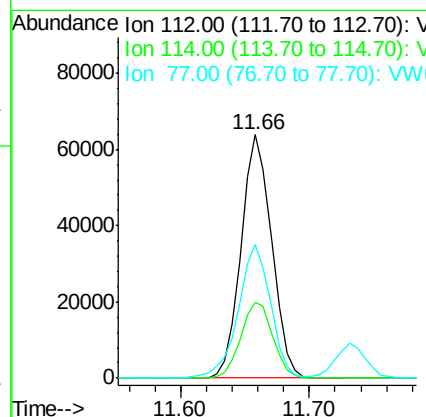
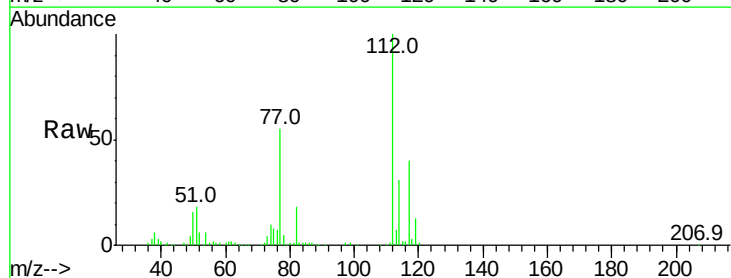
Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

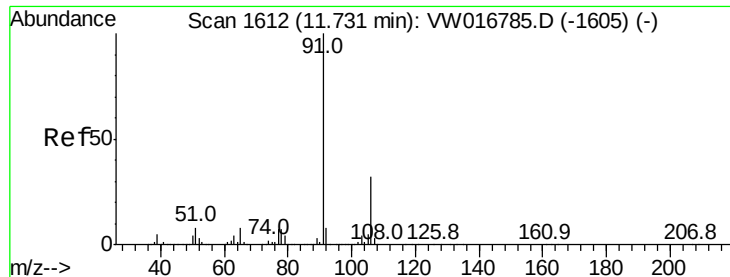
Tgt Ion:107 Resp: 25316
Ion Ratio Lower Upper
107 100
109 89.1 63.6 118.0
188 4.6 3.3 4.9



#51
Chlorobenzene
Concen: 4.971 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

Tgt Ion:112 Resp: 104953
Ion Ratio Lower Upper
112 100
114 31.2 22.3 41.5
77 54.8 43.6 65.4





#52

Ethylbenzene

Concen: 4.899 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

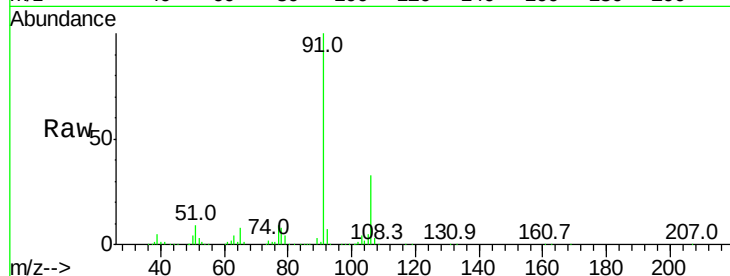
VSTD005102

Tgt Ion: 91 Resp: 174084

Ion Ratio Lower Upper

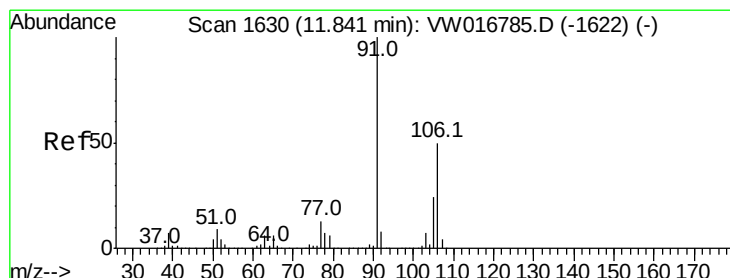
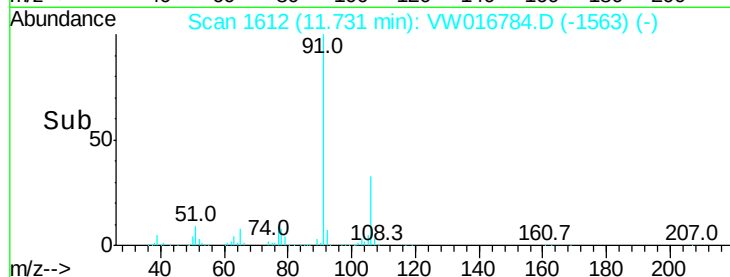
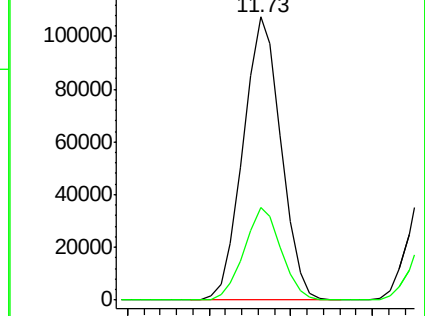
91 100

106 32.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 4.823 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016784.D

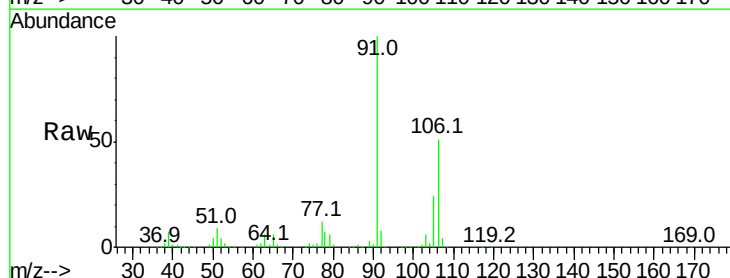
Acq: 06 Oct 2020 07:12

Tgt Ion: 106 Resp: 67193

Ion Ratio Lower Upper

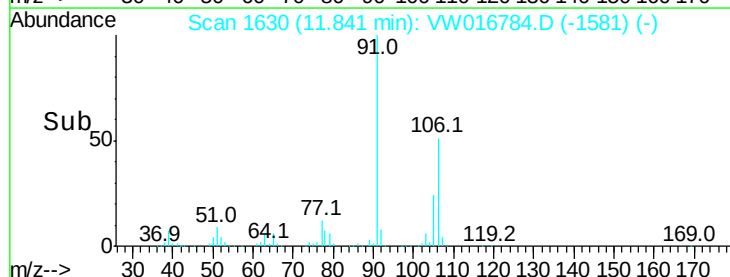
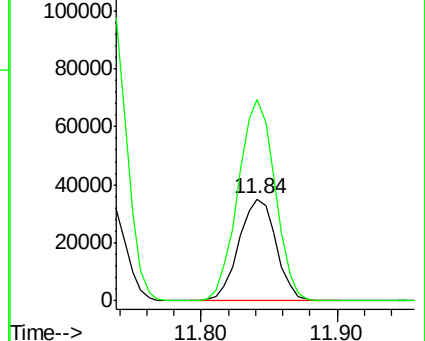
106 100

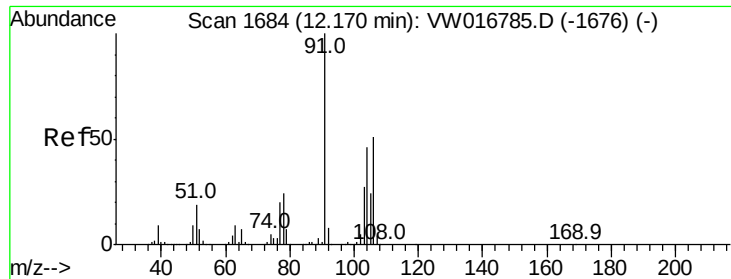
91 197.9 138.7 257.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

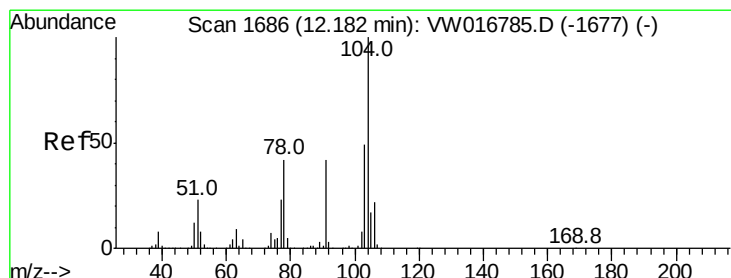
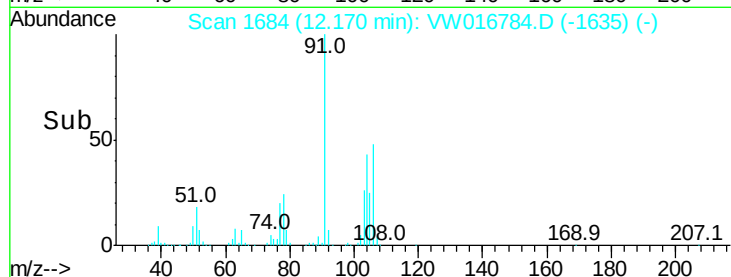
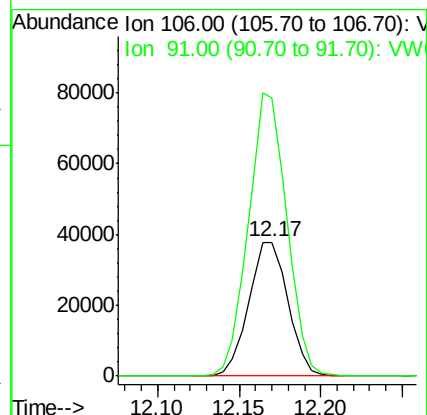
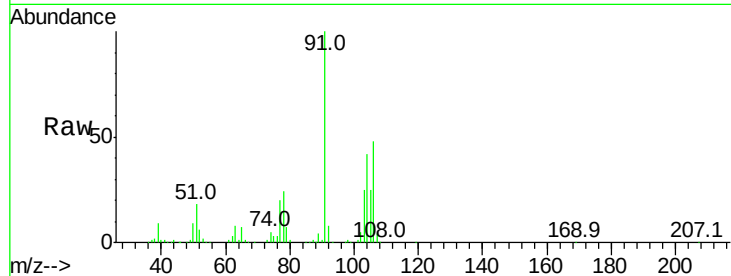




#54
o-Xylene
Concen: 4.840 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

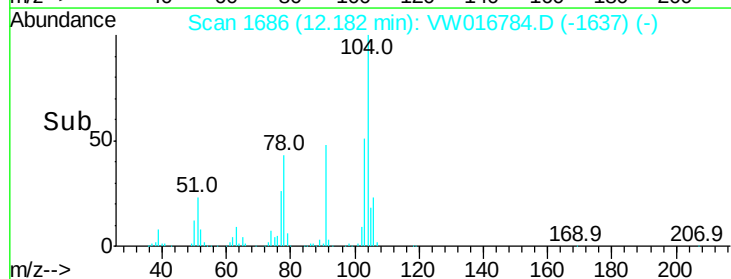
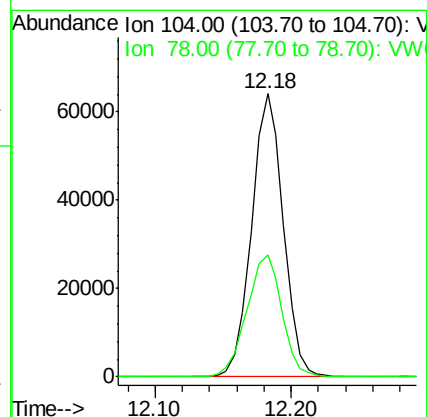
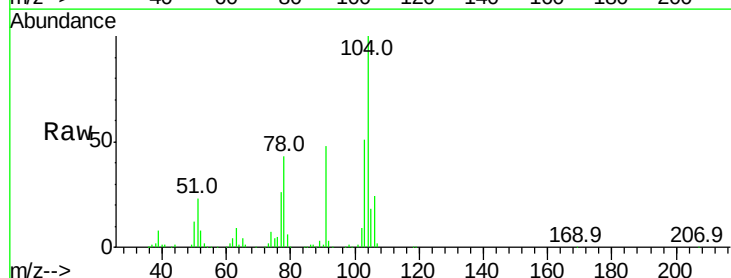
Instrument :
MSVOA_W
ClientSampleId :
VSTD005102

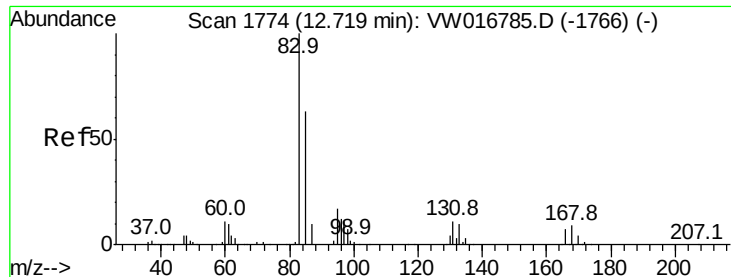
Tgt Ion:106 Resp: 63570
Ion Ratio Lower Upper
106 100
91 207.7 136.2 252.9



#55
Styrene
Concen: 4.780 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016784.D
Acq: 06 Oct 2020 07:12

Tgt Ion:104 Resp: 104269
Ion Ratio Lower Upper
104 100
78 43.3 29.5 54.9

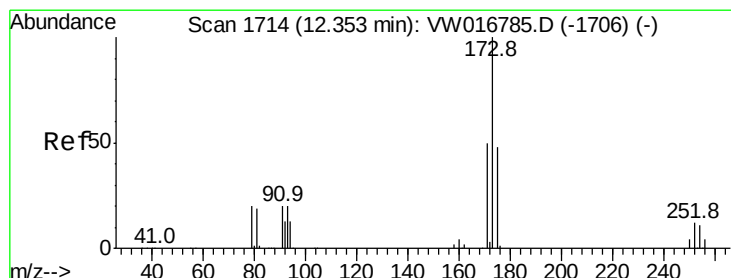
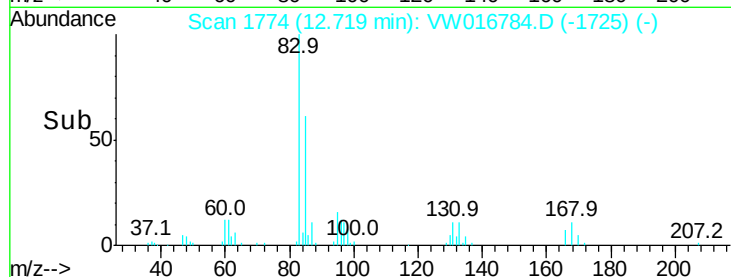
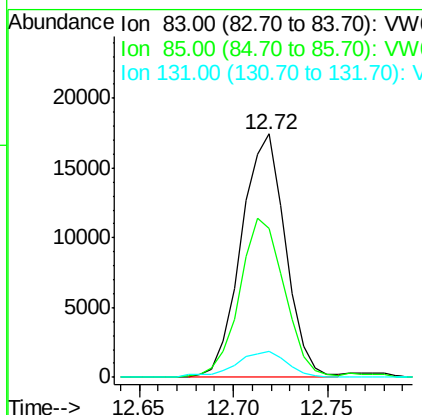
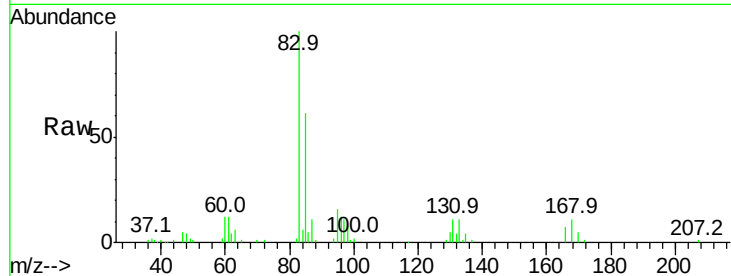




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.088 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

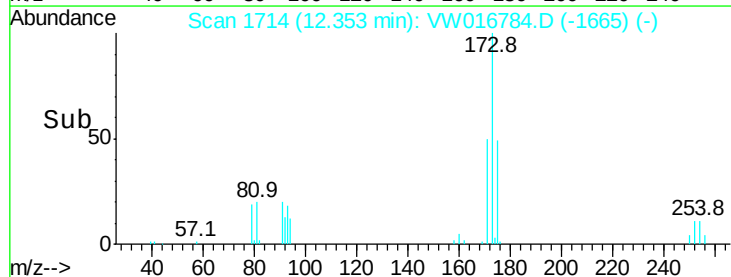
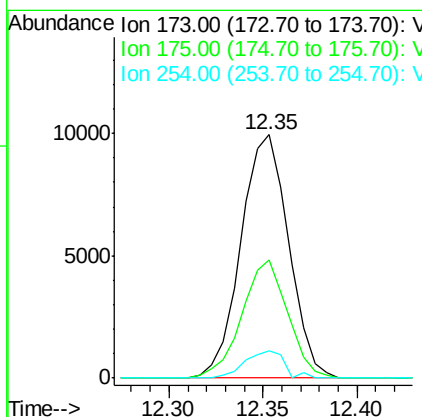
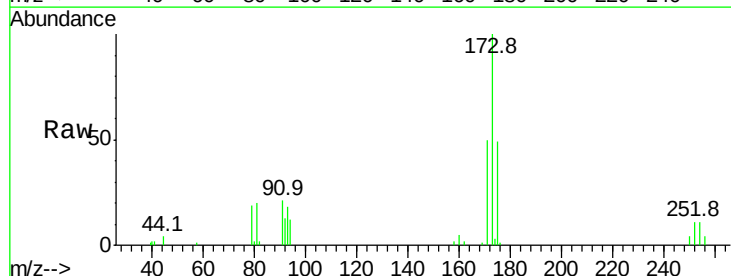
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

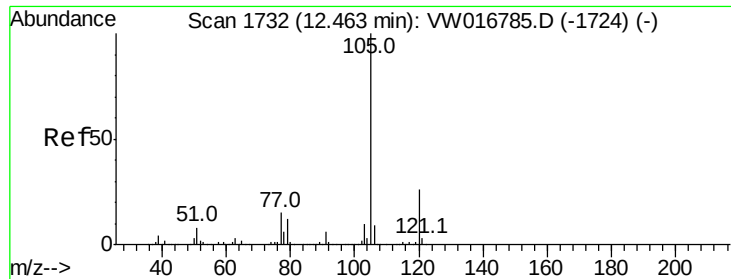
Tgt Ion: 83 Resp: 28404
 Ion Ratio Lower Upper
 83 100
 85 61.1 43.9 81.5
 131 10.9 8.8 13.2



#59
 Bromoform
 Concen: 4.608 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion: 173 Resp: 17429
 Ion Ratio Lower Upper
 173 100
 175 46.7 38.5 57.7
 254 8.6 8.2 12.2





#60

Isopropylbenzene

Concen: 4.720 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

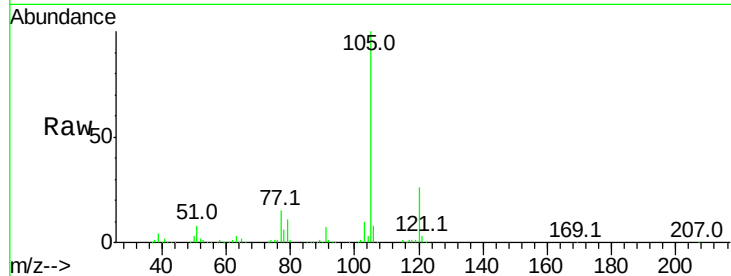
Instrument :

MSVOA_W

ClientSampleId :

VSTD005102

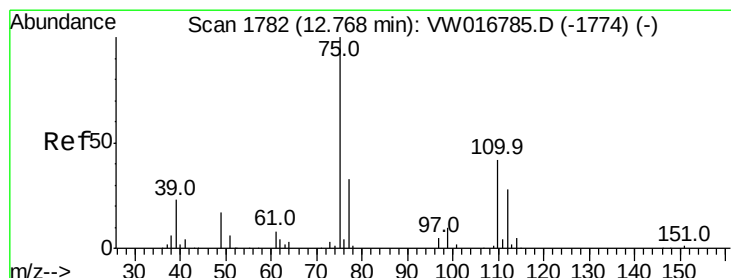
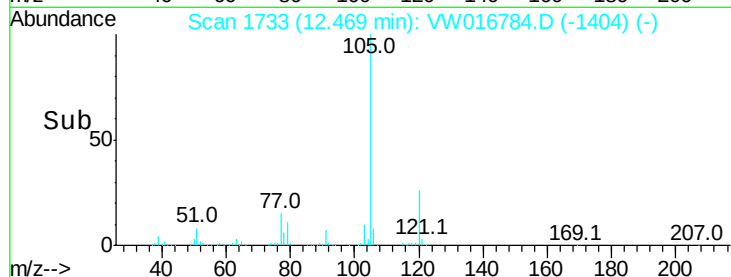
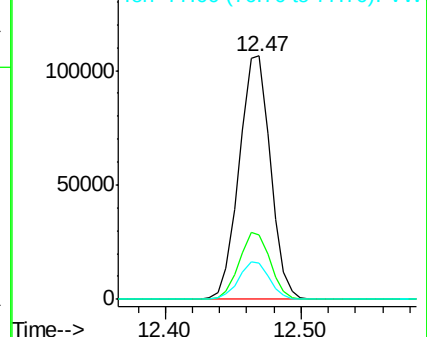
Tgt Ion:	105	Resp:	170665
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.5	32.3
77	15.1	11.8	17.6



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: 4.981 ug/L

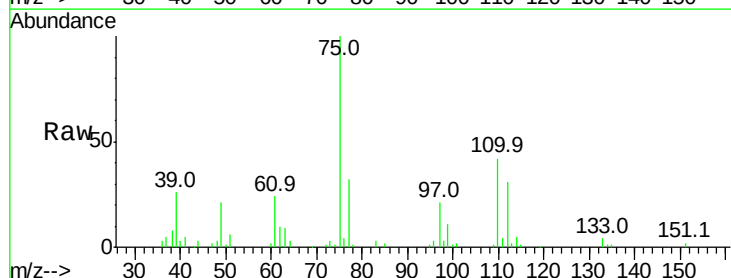
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

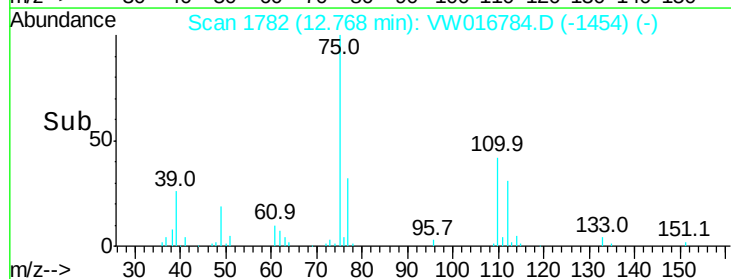
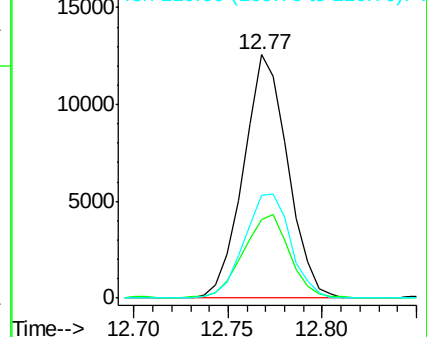
Tgt Ion:	75	Resp:	20497
Ion	Ratio	Lower	Upper
75	100		
77	36.2	25.8	38.8
110	44.6	35.1	52.7

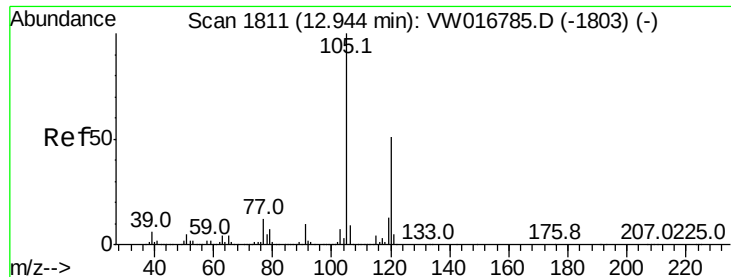


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

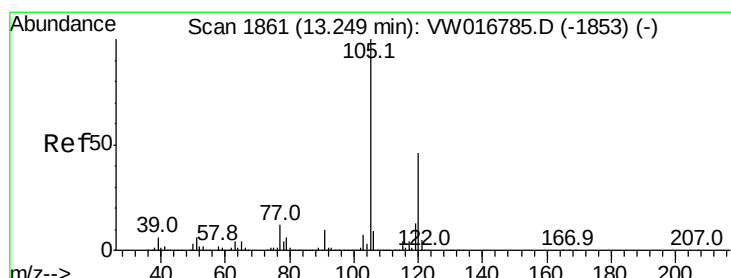
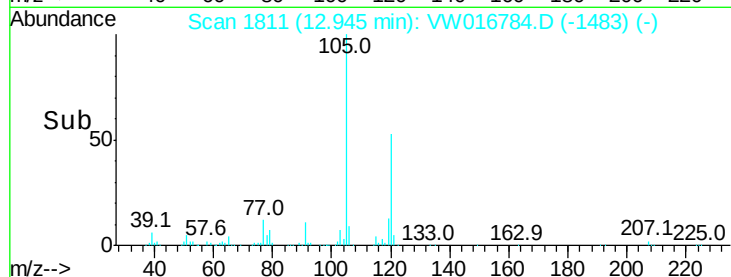
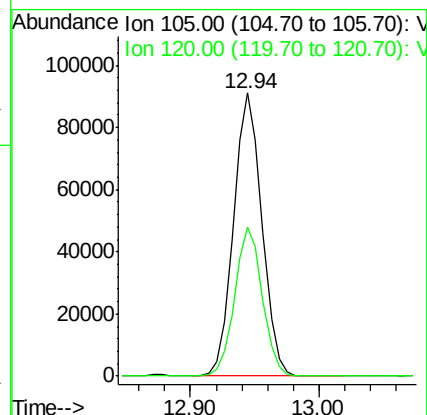
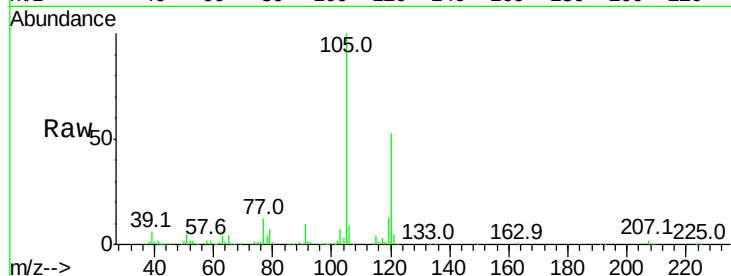




#62
 1,3,5-Trimethylbenzene
 Concen: 4.751 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

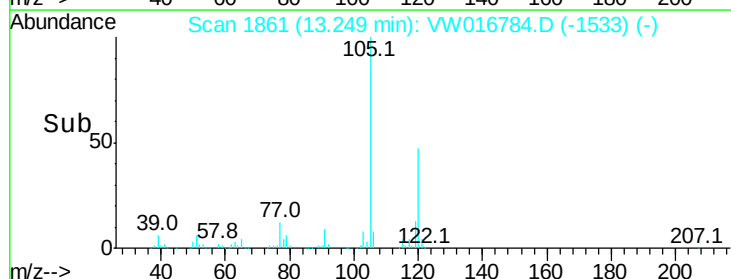
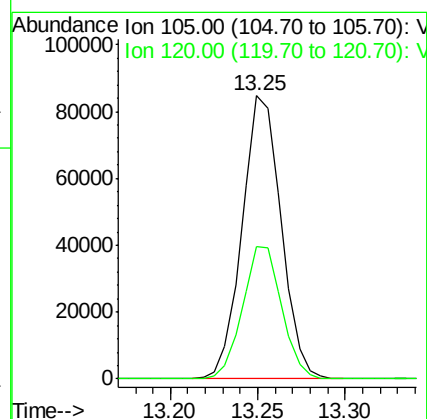
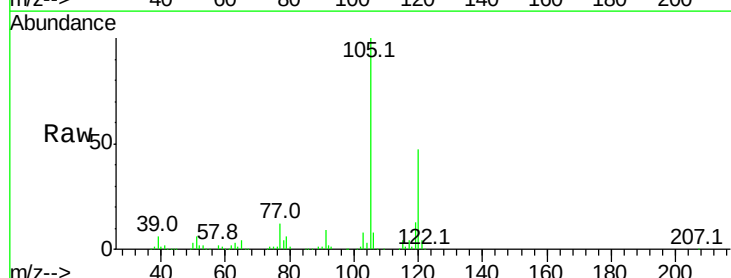
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

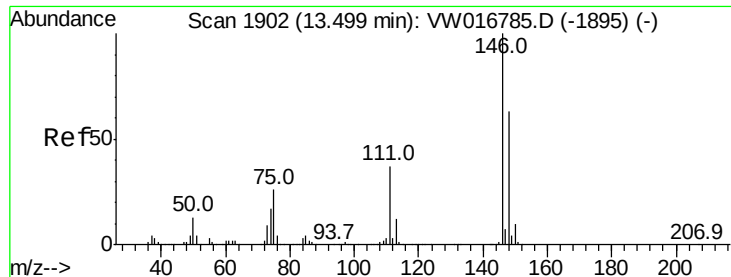
Tgt Ion:105 Resp: 140002
 Ion Ratio Lower Upper
 105 100
 120 51.2 41.0 61.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.771 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion:105 Resp: 131392
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.9 56.9





#64

1,3-Dichlorobenzene

Concen: 5.070 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD005102

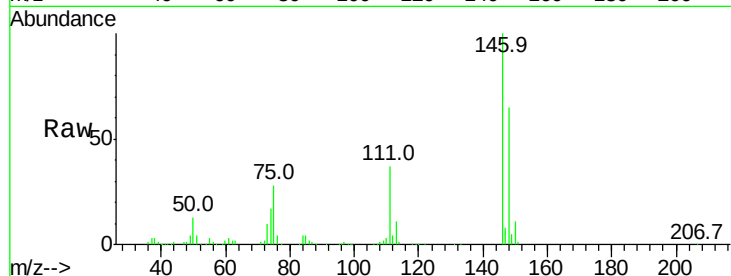
Tgt Ion:146 Resp: 85458

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.6

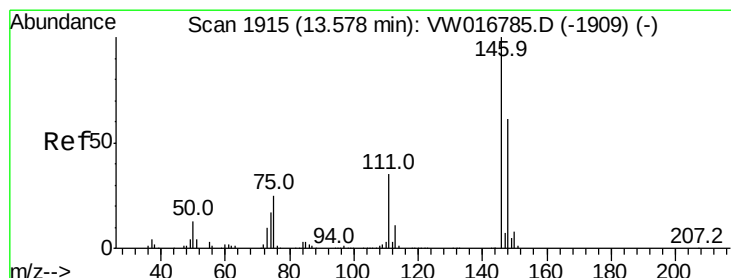
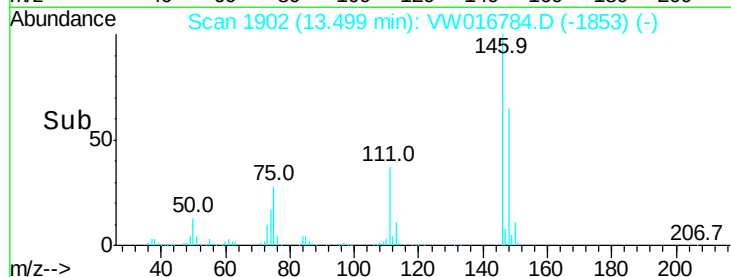
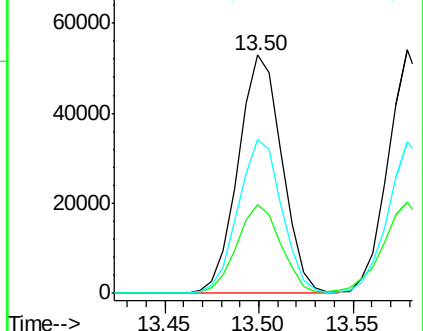
148 64.7 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 5.074 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

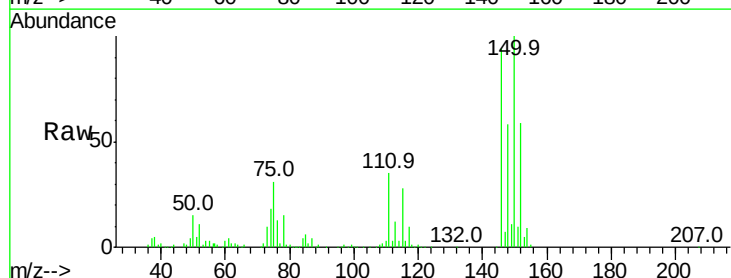
Tgt Ion:146 Resp: 84786

Ion Ratio Lower Upper

146 100

111 37.5 24.6 45.8

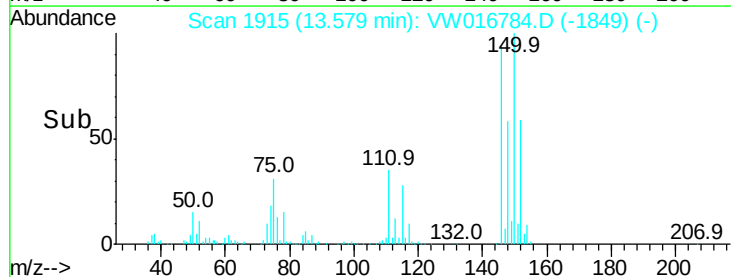
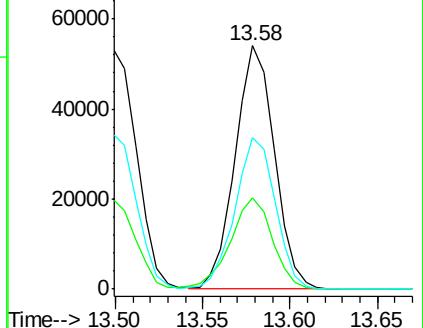
148 62.0 43.0 79.8

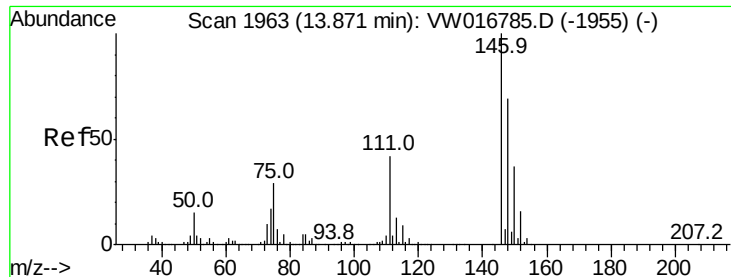


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

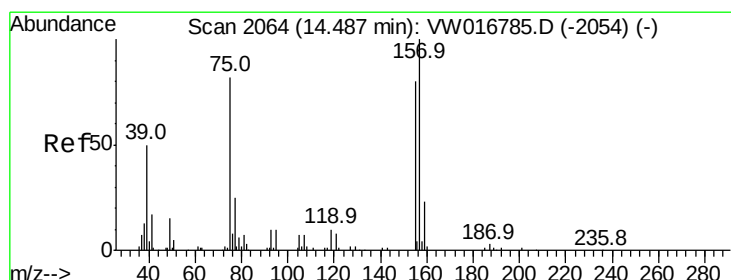
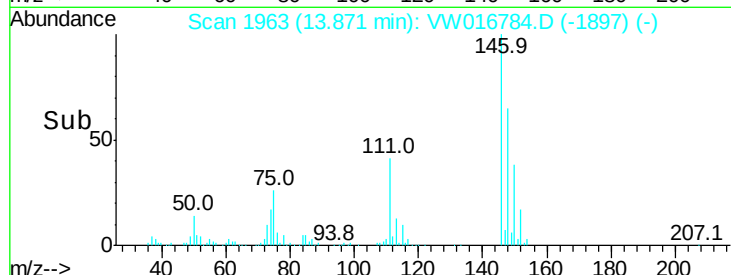
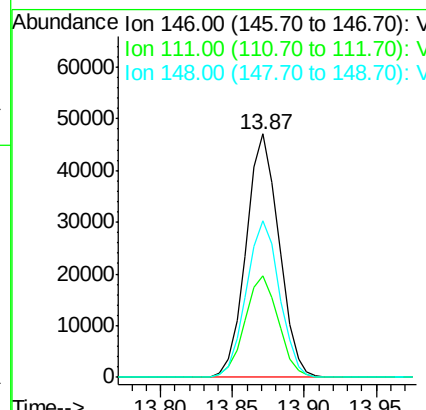
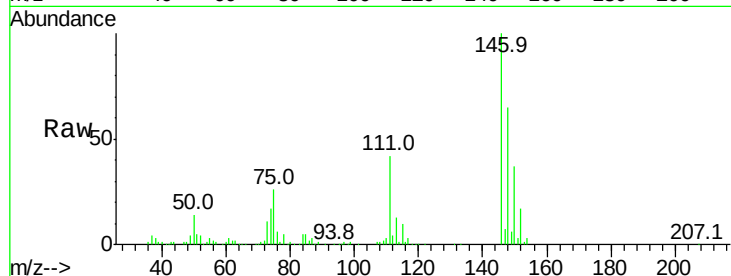




#67
 1,2-Dichlorobenzene
 Concen: 5.017 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

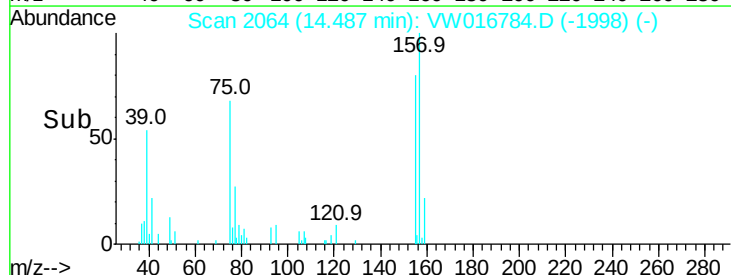
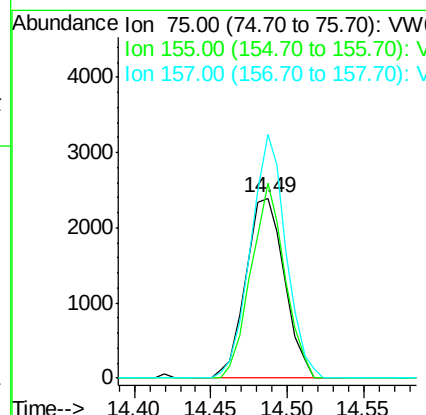
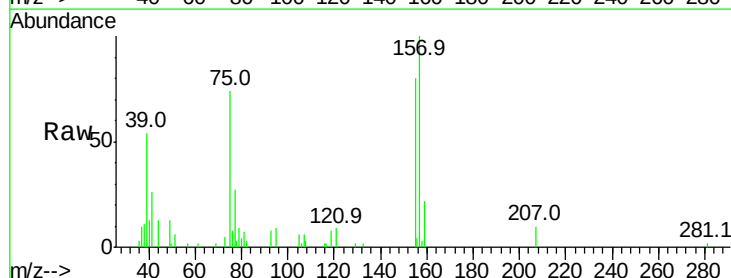
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

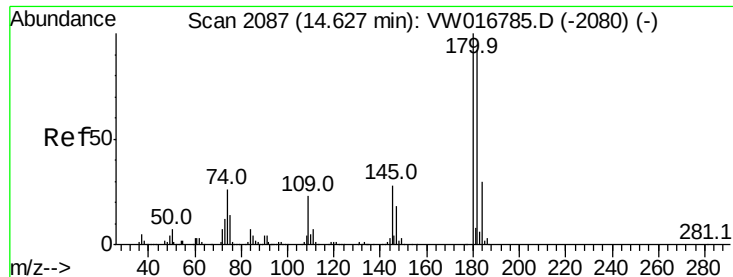
Tgt Ion: 146 Resp: 74412
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.6 50.4
 148 64.5 54.9 82.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.762 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion: 75 Resp: 4201
 Ion Ratio Lower Upper
 75 100
 155 108.4 77.4 116.2
 157 135.4 97.2 145.8

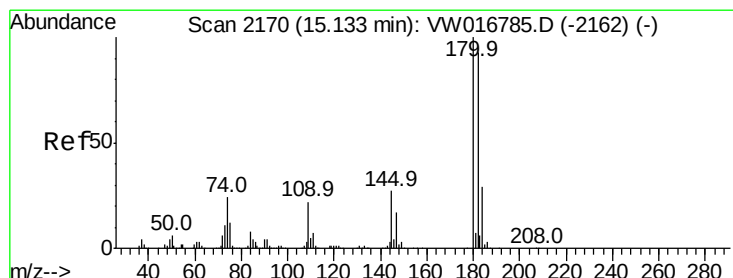
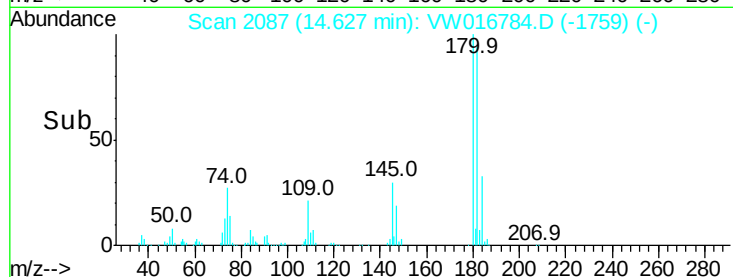
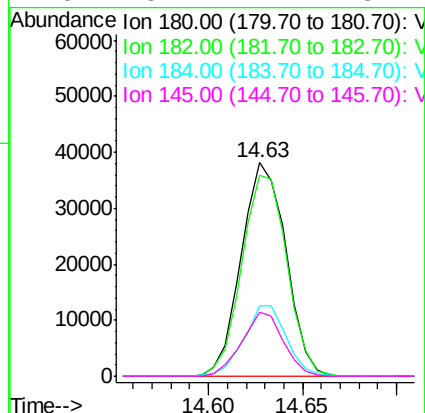
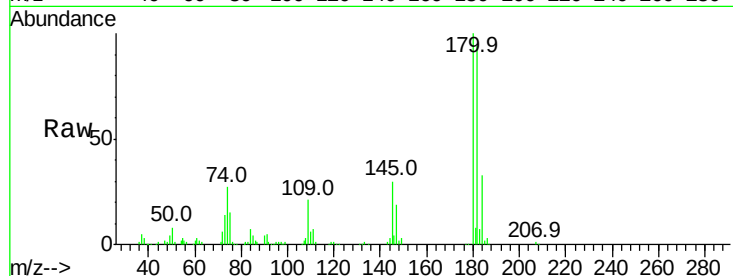




#69
 1,3,5-Trichlorobenzene
 Concen: 5.104 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

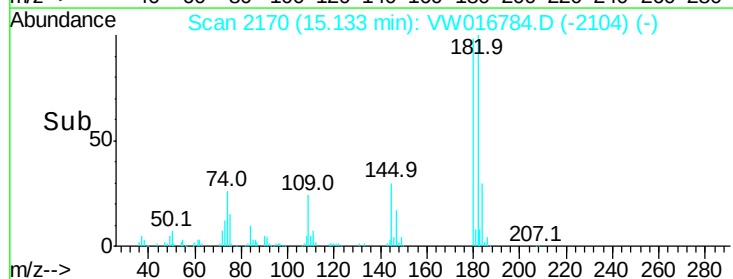
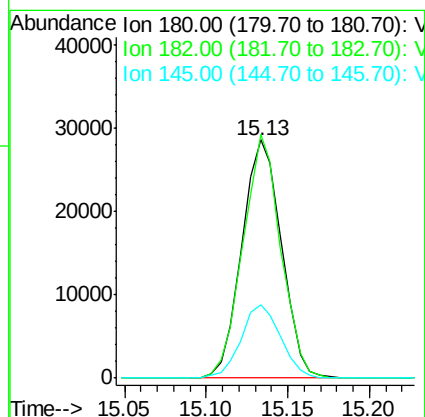
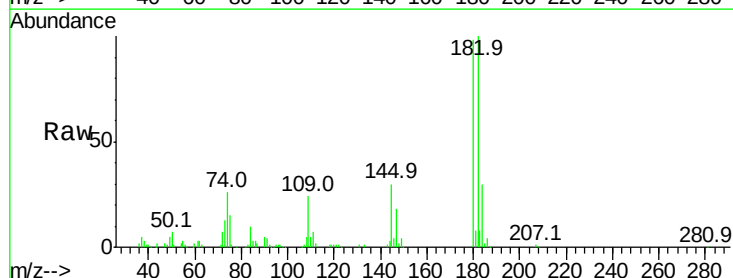
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005102

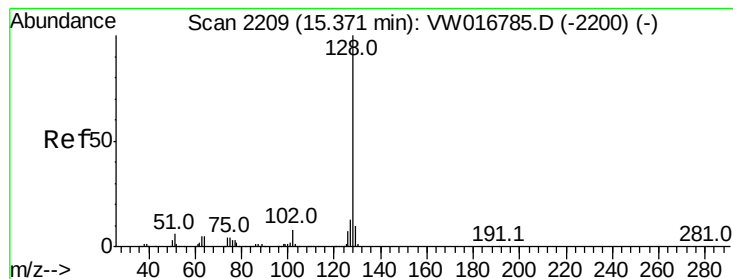
Tgt Ion:	180	Resp:	63008
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
184	31.3	24.6	36.8
145	28.1	22.7	34.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.972 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016784.D
 Acq: 06 Oct 2020 07:12

Tgt Ion:	180	Resp:	48448
Ion	Ratio	Lower	Upper
180	100		
182	98.0	74.7	112.1
145	30.9	23.0	34.4





#71

Naphthalene

Concen: 4.713 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD005102

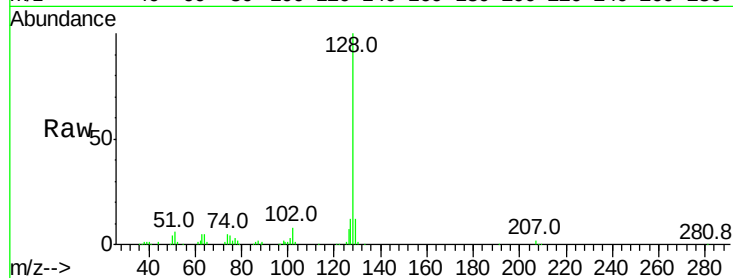
Tgt Ion:128 Resp: 73819

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

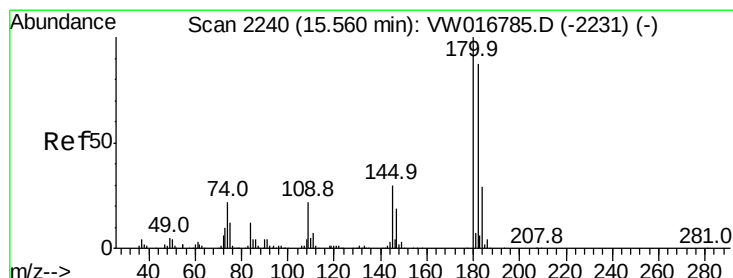
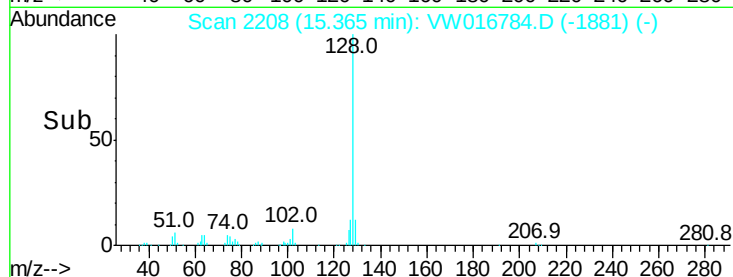
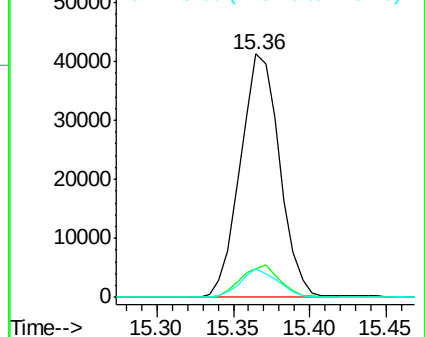
129 11.0 8.7 13.1



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: 5.289 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016784.D

Acq: 06 Oct 2020 07:12

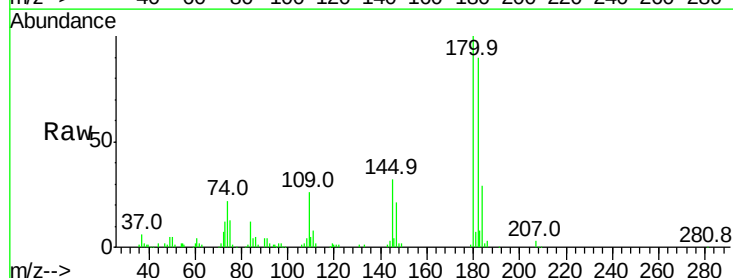
Tgt Ion:180 Resp: 43516

Ion Ratio Lower Upper

180 100

182 96.5 74.4 111.6

145 30.7 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

