

Data File : VW014825.D
Acq On : 03 Feb 2020 09:43
Operator : SY/VA
Sample : VSTD2.509
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Quant Time: Feb 03 11:40:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	851401	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	779143	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	349613	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	23973	1.78	ug/L	0.00
7) Chloroethane-d5	2.89	69	36819	3.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	73925	3.03	ug/L	0.00
20) 2-Butanone-d5	7.23	46	281	0.07	ug/L	0.16
24) Chloroform-d	7.65	84	79779	3.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	43796	3.46	ug/L	0.00
29) Benzene-d6	8.27	84	157263	3.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	52240	3.43	ug/L	0.00
37) Toluene-d8	10.32	98	128704	2.95	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	17768	2.93	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	12608	4.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35258	2.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	41138	3.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	30138	2.879 ug/L	100
3) Chloromethane	2.21	50	41679	3.412 ug/L	91
5) Vinyl chloride	2.37	62	27289	1.588 ug/L	98
6) Bromomethane	2.78	94	25558	2.845 ug/L	99
8) Chloroethane	2.93	64	27518	2.956 ug/L	94
9) Trichlorofluoromethane	3.26	101	23993	2.908 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	37132	3.150 ug/L	98
12) 1,1-Dichloroethene	4.04	96	32695	2.813 ug/L	97
13) Acetone	4.12	43	39744	9.691 ug/L	97
14) Carbon disulfide	4.39	76	94491	2.484 ug/L	99
15) Methyl Acetate	4.67	43	18608	3.040 ug/L	97
16) Methylene chloride	4.92	84	51362	3.570 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	39130	2.547 ug/L #	84
18) trans-1,2-Dichloroethene	5.42	96	35627	2.967 ug/L	95
19) 1,1-Dichloroethane	6.21	63	73084	3.245 ug/L	95
21) 2-Butanone	7.17	43	29744	6.478 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	34397	2.736 ug/L	94
23) Bromochloromethane	7.51	128	15874	2.889 ug/L	90
25) Chloroform	7.67	83	66693	3.174 ug/L	99
27) 1,2-Dichloroethane	8.40	62	44125	3.178 ug/L	100
30) Cyclohexane	7.95	56	55878	2.626 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	51998	3.056 ug/L	98
32) Carbon tetrachloride	8.07	117	46678	2.928 ug/L	99
34) Benzene	8.32	78	151026	3.027 ug/L	100
35) Trichloroethene	9.09	95	37594	2.966 ug/L	98
36) Methylcyclohexane	9.33	83	58063	2.633 ug/L	97
40) 1,2-Dichloropropane	9.27	63	5699	0.451 ug/L	100
41) Bromodichloromethane	9.65	83	46159	3.053 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	49482	2.678 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	44493	5.349 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	142851	2.817	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	39965	2.665	ug/L	99
46) 1,1,2-Trichloroethane	10.78	97	24560	2.844	ug/L	96
47) Tetrachloroethene	10.86	164	28233	2.787	ug/L	94
49) 2-Hexanone	10.96	43	27258	4.558	ug/L	97
50) Dibromochloromethane	11.12	129	26060	2.645	ug/L	100
51) 1,2-Dibromoethane	11.23	107	22149	2.666	ug/L #	99
52) Chlorobenzene	11.65	112	92448	2.920	ug/L	96
53) Ethylbenzene	11.73	91	150012	2.707	ug/L	98
54) m,p-Xylene	11.83	106	54174	2.615	ug/L	100
55) o-xylene	12.16	106	49179	2.530	ug/L	99
56) Styrene	12.18	104	81869	2.484	ug/L	97
57) Isopropylbenzene	12.46	105	131602	2.500	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	30396	2.732	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	23200	2.776	ug/L	92
62) Bromoform	12.35	173	13921	2.537	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	63820	2.827	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	66030	2.919	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	58006	2.825	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	4879	2.898	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	44193	2.643	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	32254	2.600	ug/L	99
69) Naphthalene	15.36	128	51248	2.284	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	29972	2.635	ug/L	98

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

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ClientSampleId :
VSTD2.505

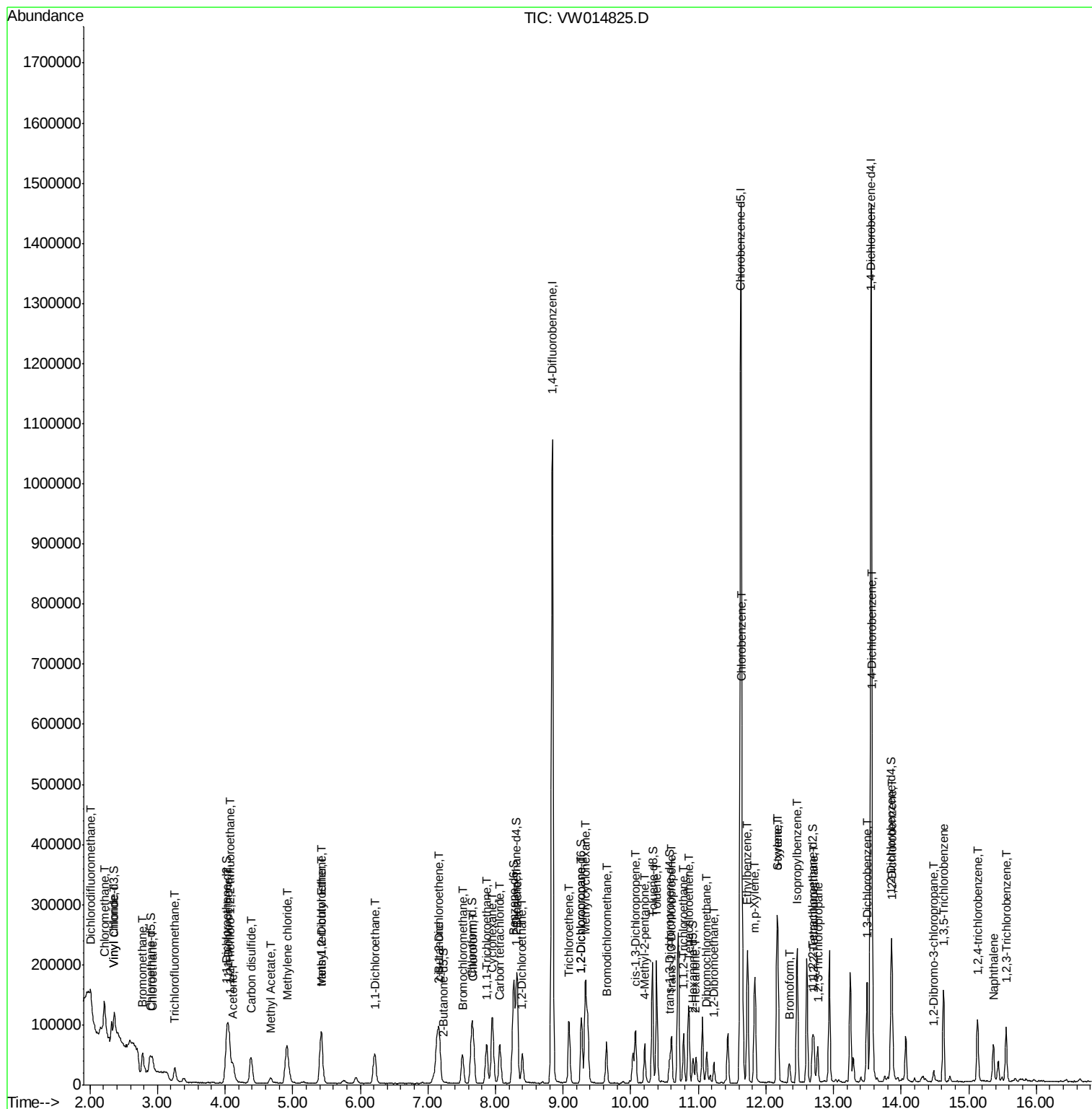
Quant Time: Feb 03 11:40:54 2020

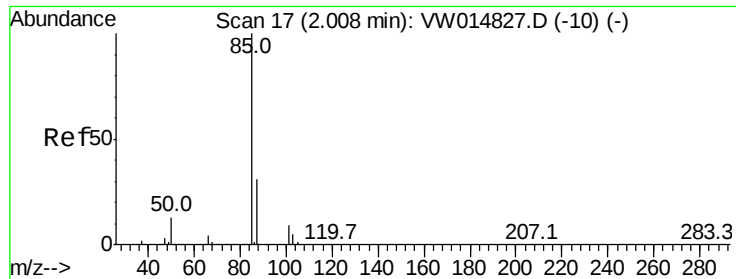
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 2.879 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

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Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

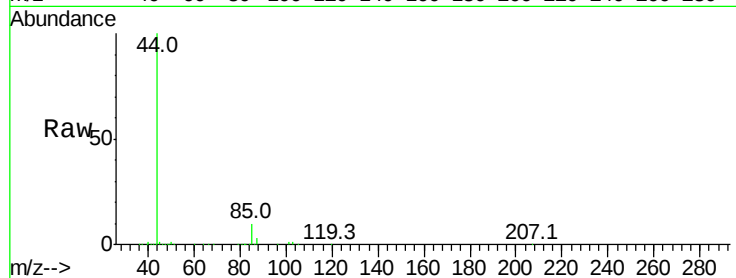
VSTD2.505

Tgt Ion: 85 Resp: 30138

Ion Ratio Lower Upper

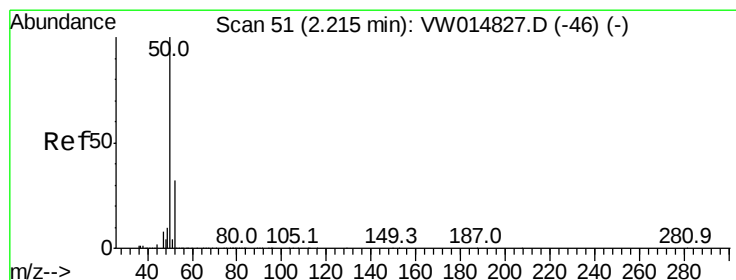
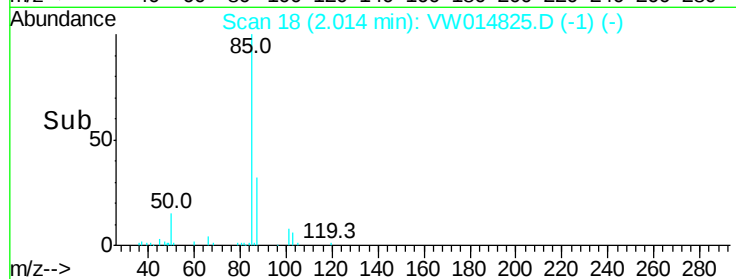
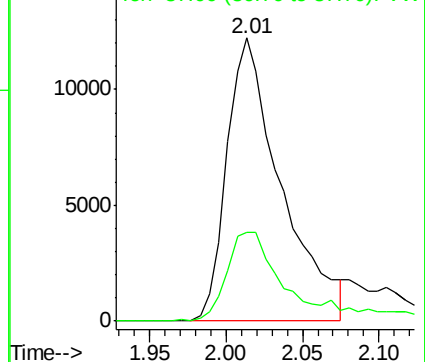
85 100

87 30.1 21.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 3.412 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014825.D

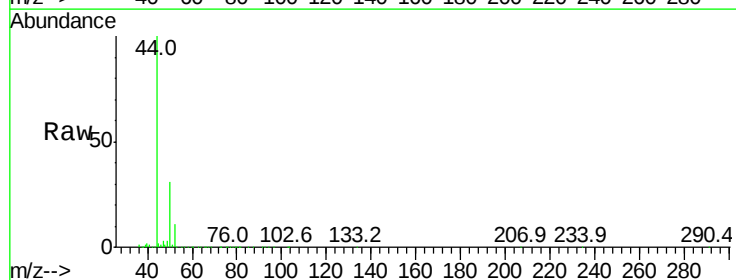
Acq: 03 Feb 2020 09:43

Tgt Ion: 50 Resp: 41679

Ion Ratio Lower Upper

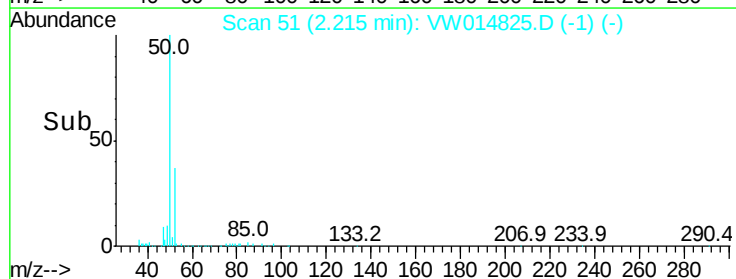
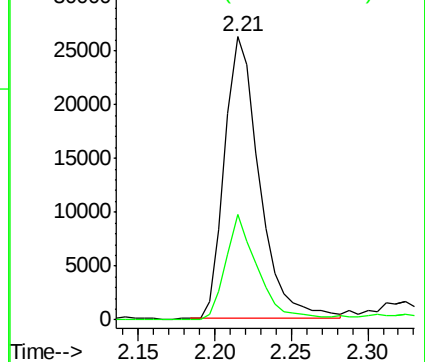
50 100

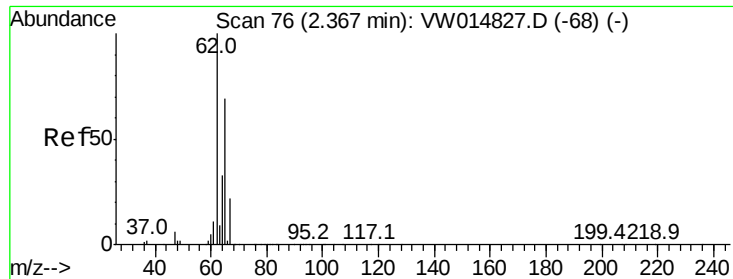
52 37.2 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.588 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

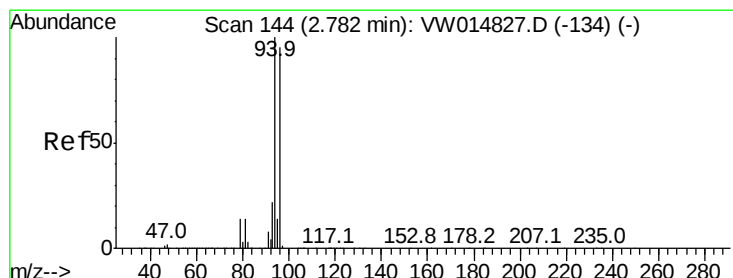
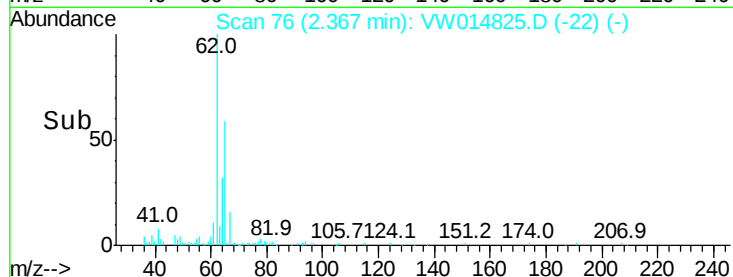
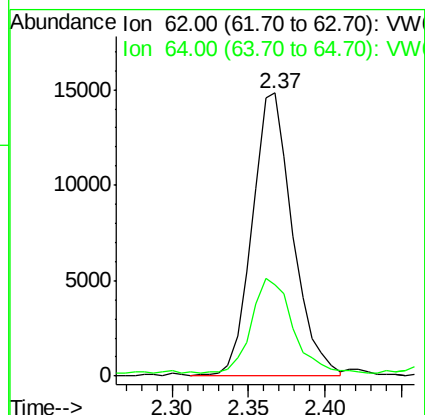
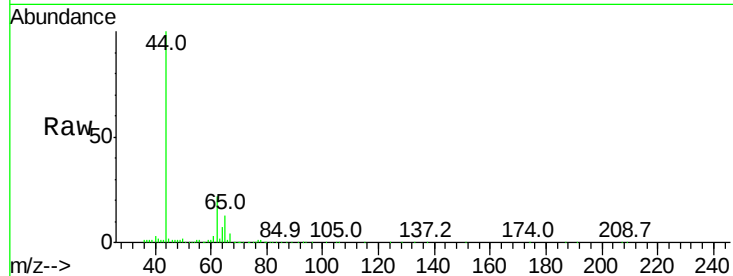
VSTD2.505

Tgt Ion: 62 Resp: 27289

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.0



#6

Bromomethane

Concen: 2.845 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014825.D

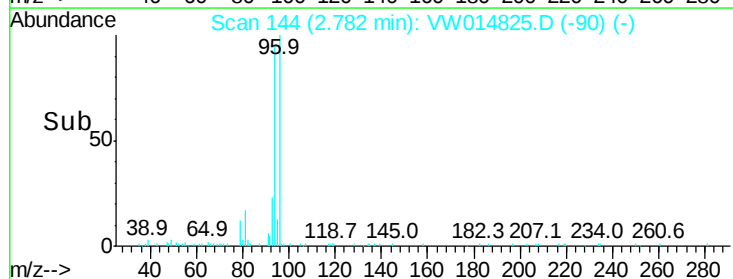
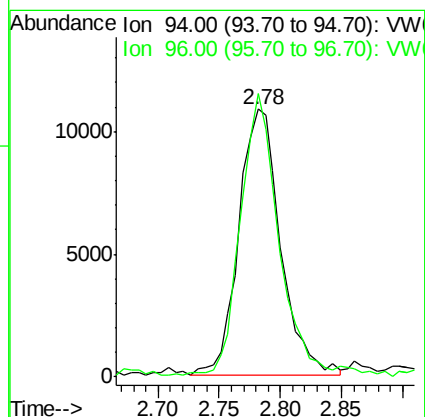
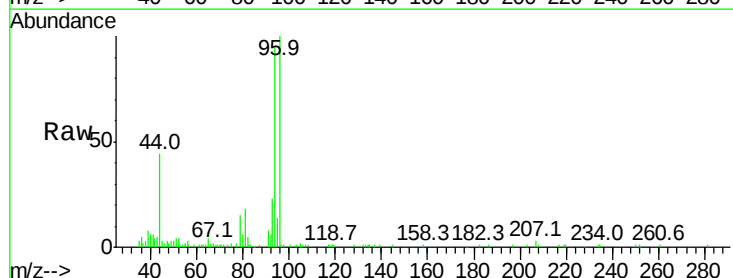
Acq: 03 Feb 2020 09:43

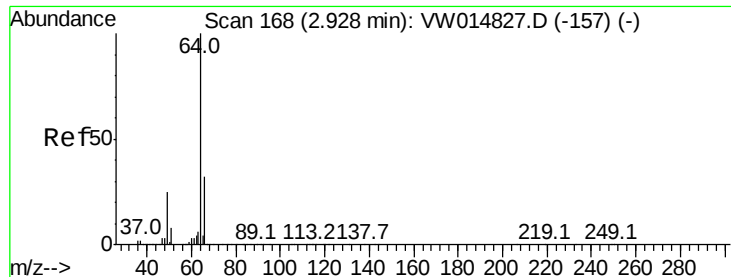
Tgt Ion: 94 Resp: 25558

Ion Ratio Lower Upper

94 100

96 95.3 9.5 179.9





#8

Chloroethane

Concen: 2.956 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

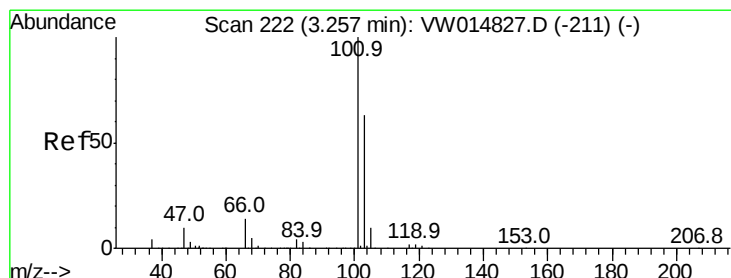
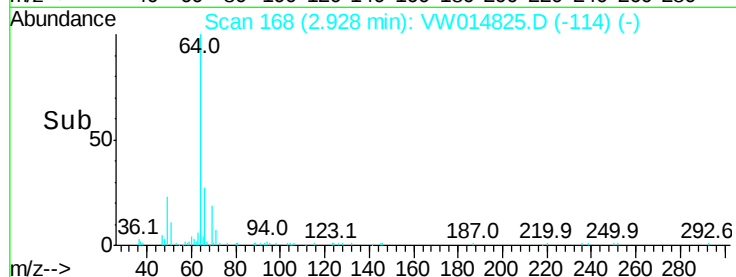
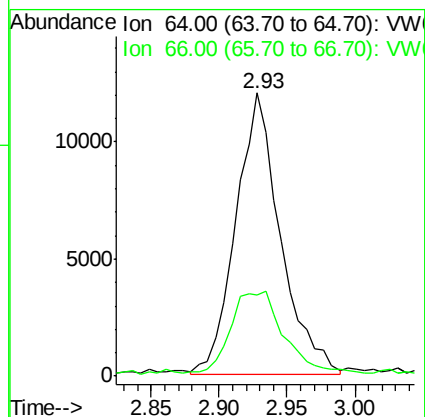
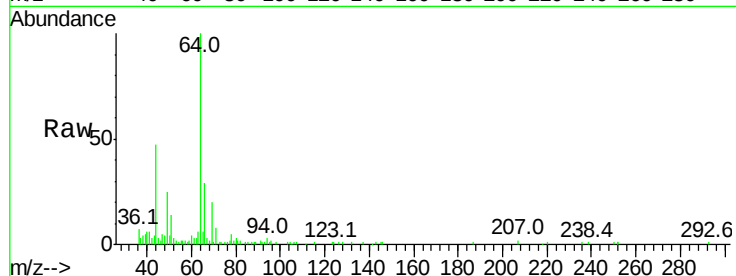
VSTD2.505

Tgt Ion: 64 Resp: 27518

Ion Ratio Lower Upper

64 100

66 28.7 22.5 41.7



#9

Trichlorofluoromethane

Concen: 2.908 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014825.D

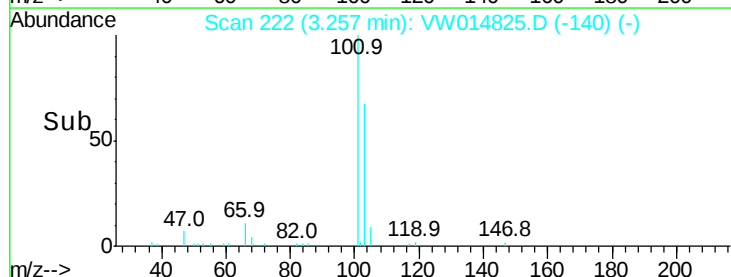
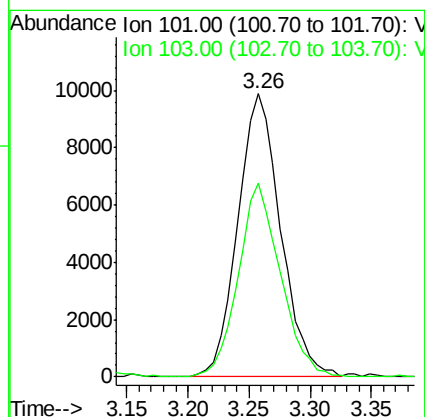
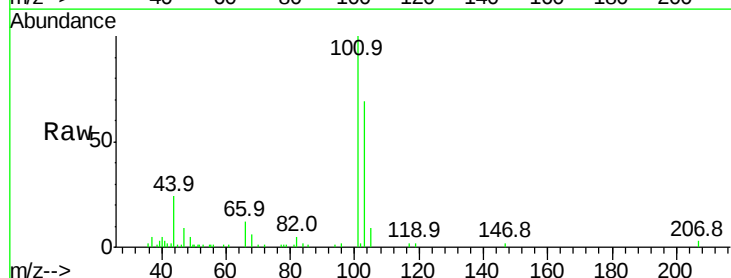
Acq: 03 Feb 2020 09:43

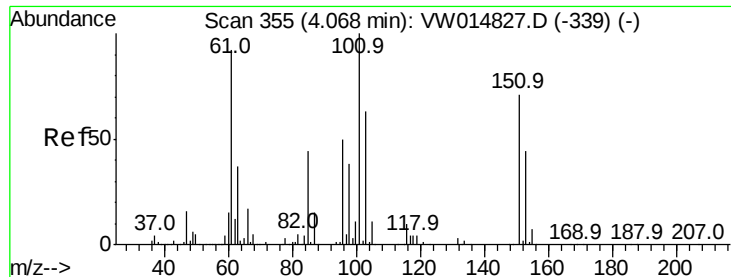
Tgt Ion: 101 Resp: 23993

Ion Ratio Lower Upper

101 100

103 67.3 45.4 84.4





#11

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

Concen: 3.150 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

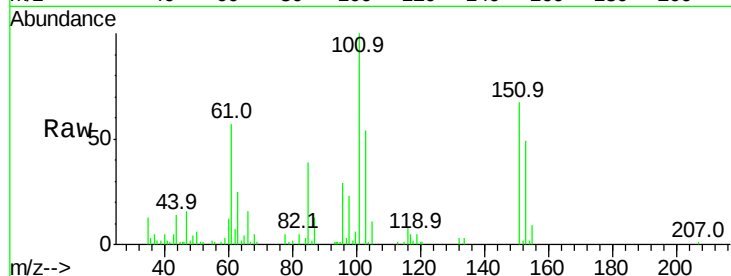
Tgt Ion: 101 Resp: 37132

Ion Ratio Lower Upper

101 100

85 44.7 34.9 52.3

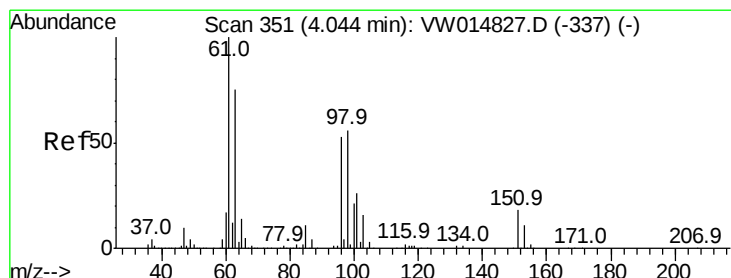
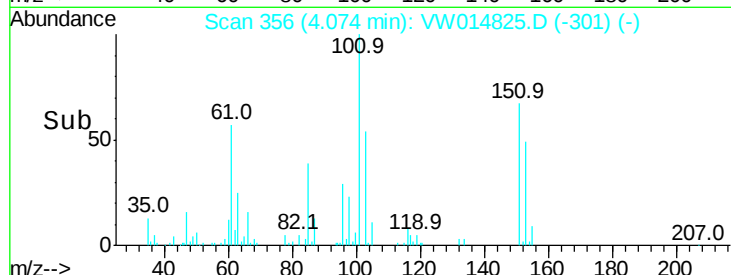
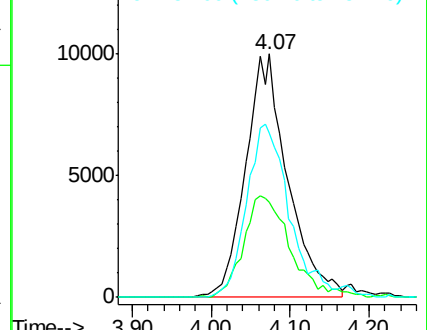
151 67.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.813 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

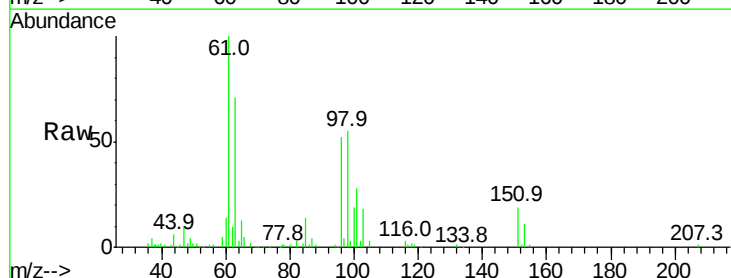
Tgt Ion: 96 Resp: 32695

Ion Ratio Lower Upper

96 100

61 191.1 131.5 244.3

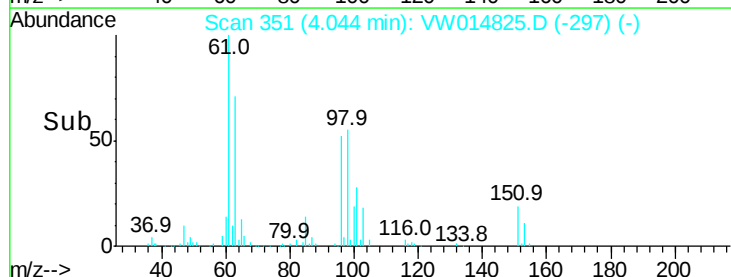
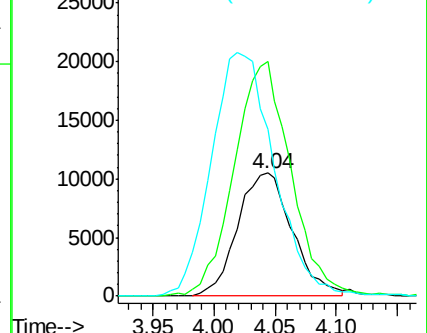
63 135.5 98.8 183.4

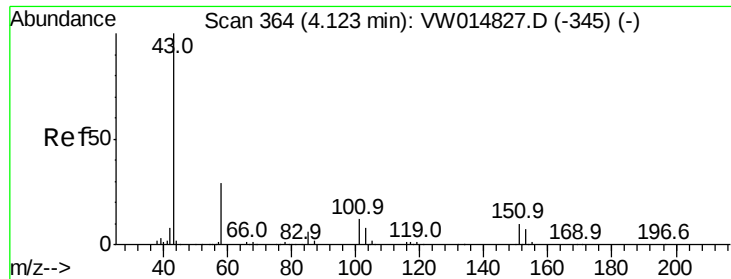


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.691 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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ClientSampleId :

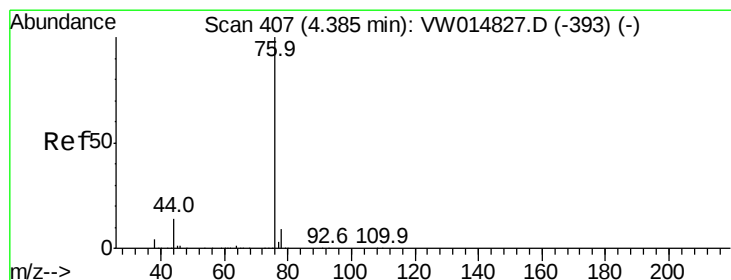
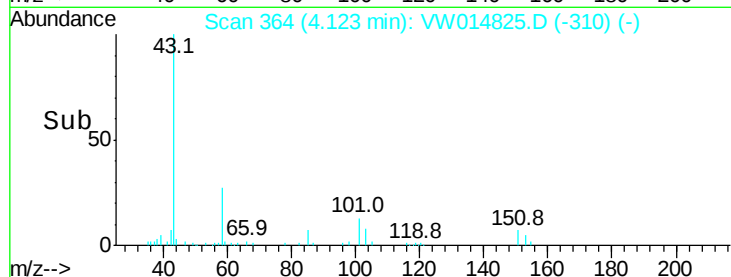
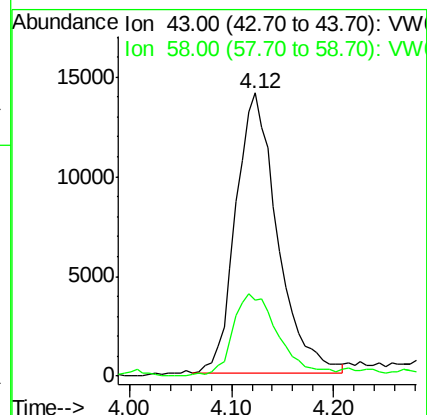
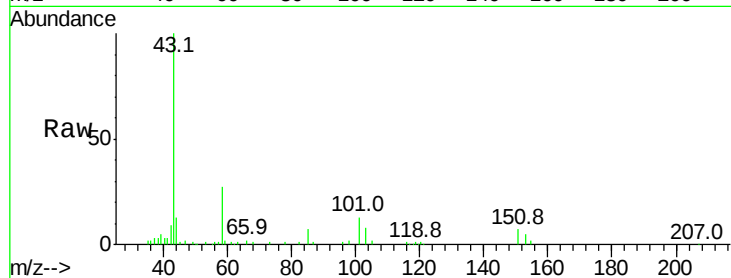
VSTD2.505

Tgt Ion: 43 Resp: 39744

Ion Ratio Lower Upper

43 100

58 31.7 0.0 60.2



#14

Carbon disulfide

Concen: 2.484 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014825.D

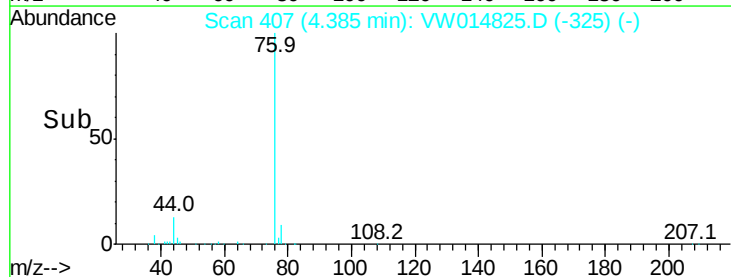
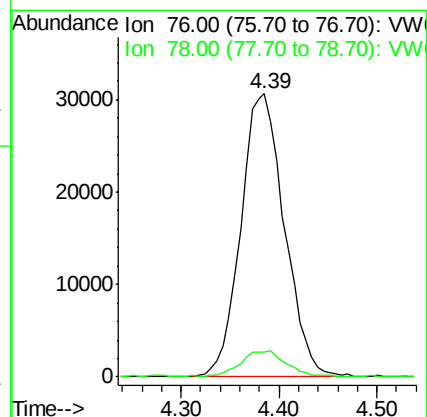
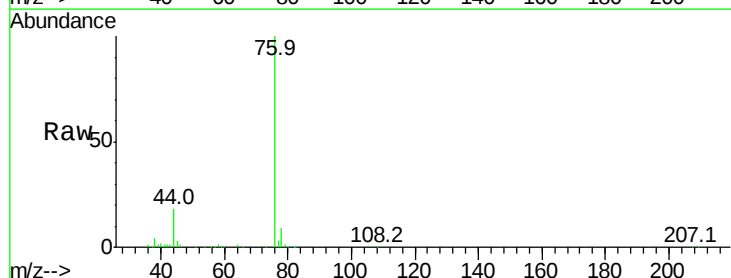
Acq: 03 Feb 2020 09:43

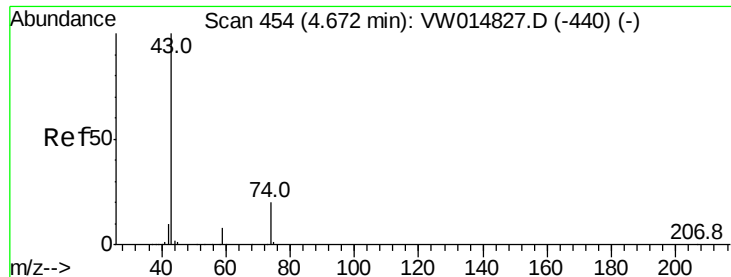
Tgt Ion: 76 Resp: 94491

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 3.040 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

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ClientSampleId :

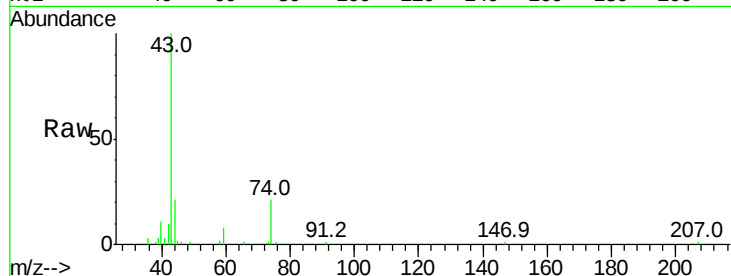
VSTD2.505

Tgt Ion: 43 Resp: 18608

Ion Ratio Lower Upper

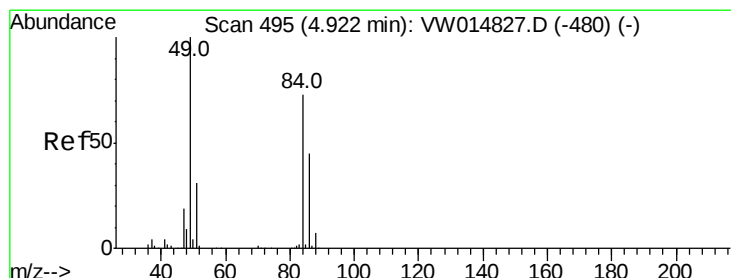
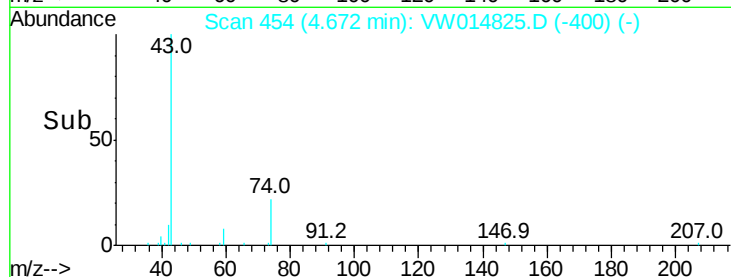
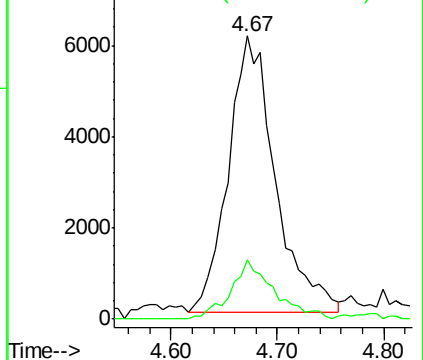
43 100

74 19.0 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 3.570 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

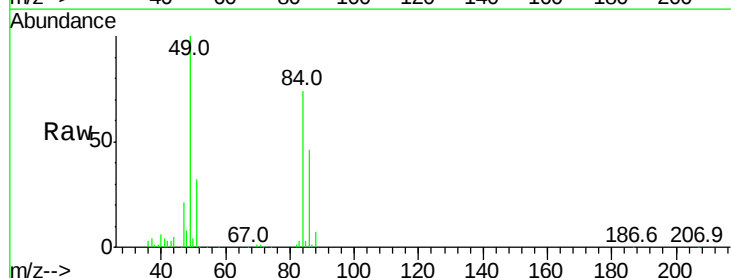
Tgt Ion: 84 Resp: 51362

Ion Ratio Lower Upper

84 100

49 134.7 96.6 179.4

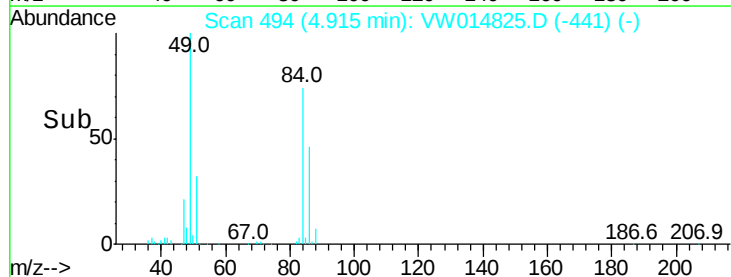
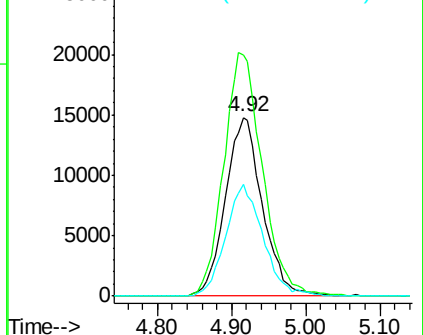
86 62.3 43.8 81.4

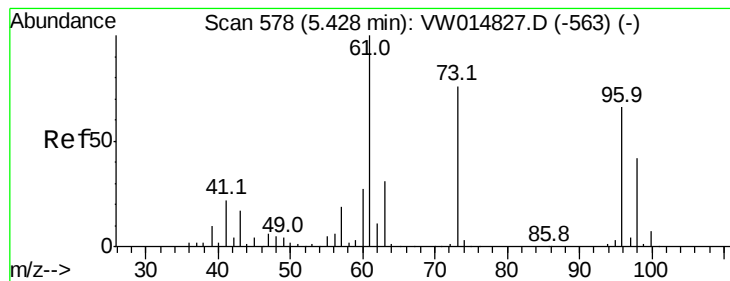


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 2.547 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

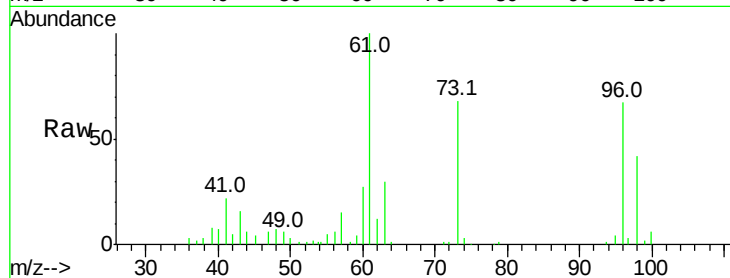
Tgt Ion: 73 Resp: 39130

Ion Ratio Lower Upper

73 100

43 25.4 17.6 26.4

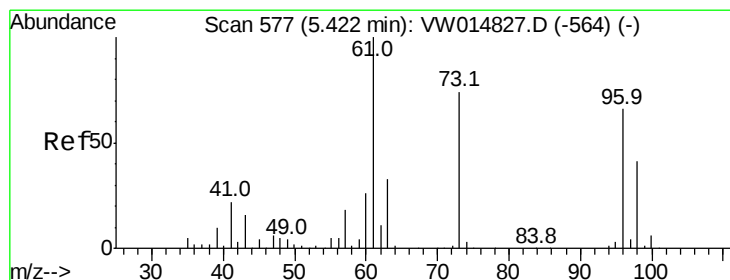
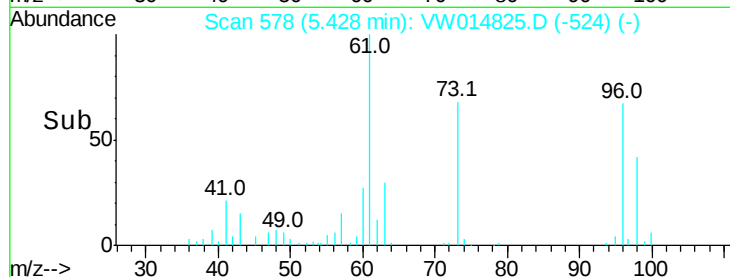
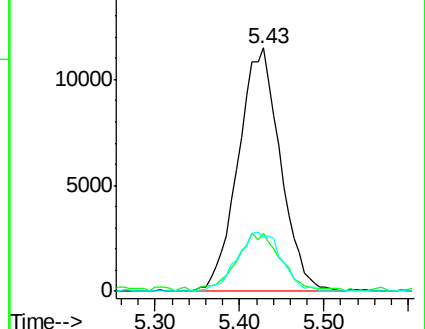
57 12.4 19.8 29.6#



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



#18

trans-1,2-Dichloroethene

Concen: 2.967 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

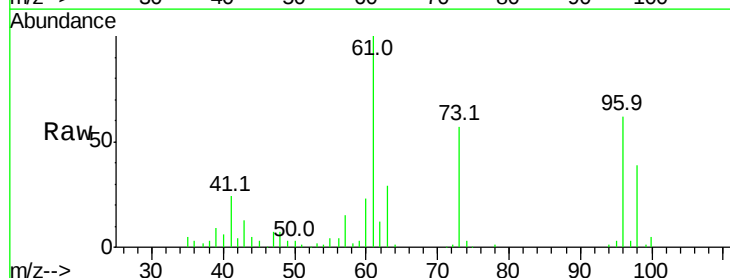
Tgt Ion: 96 Resp: 35627

Ion Ratio Lower Upper

96 100

61 160.3 106.3 197.3

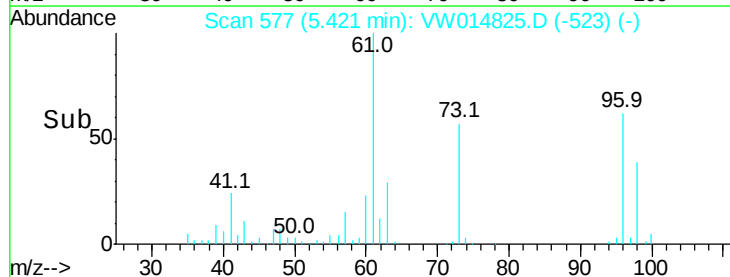
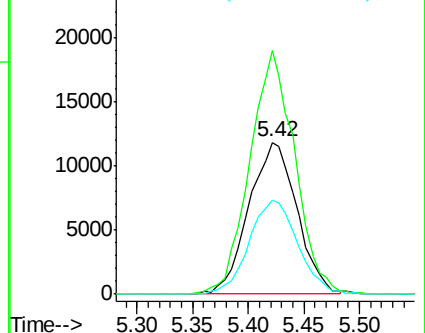
98 62.1 43.5 80.9

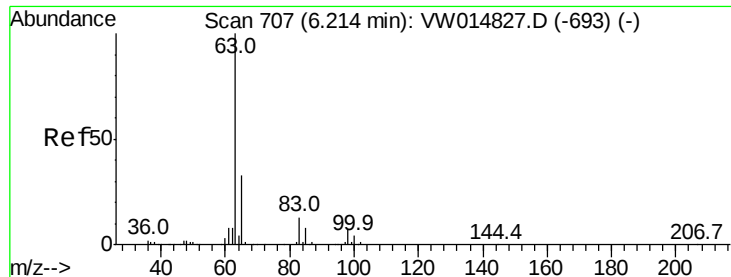


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 3.245 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

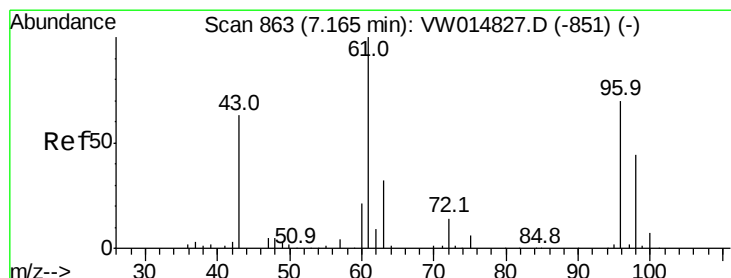
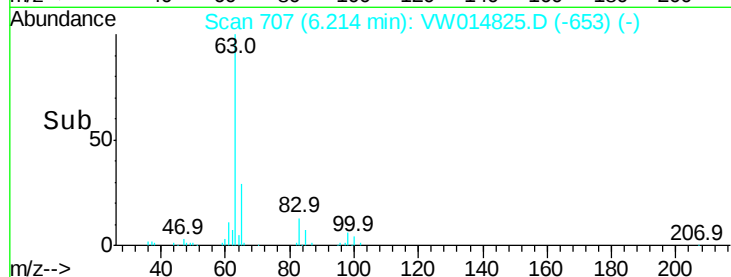
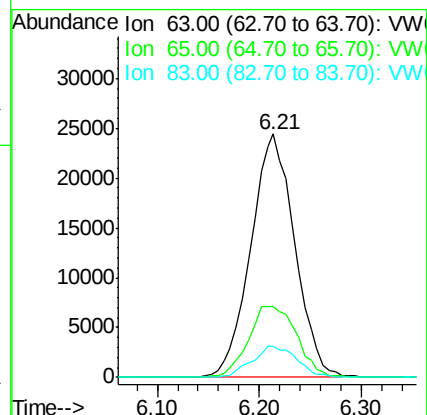
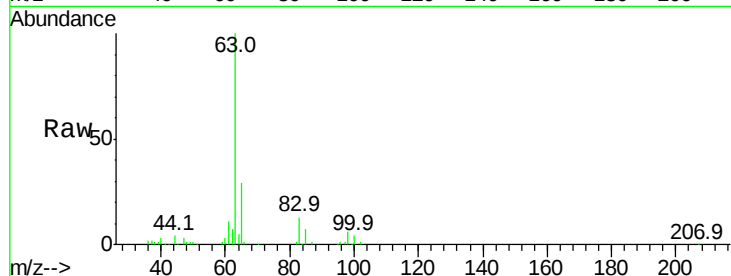
Tgt Ion: 63 Resp: 73084

Ion Ratio Lower Upper

63 100

65 29.0 23.0 42.6

83 13.4 9.0 16.6



#21

2-Butanone

Concen: 6.478 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014825.D

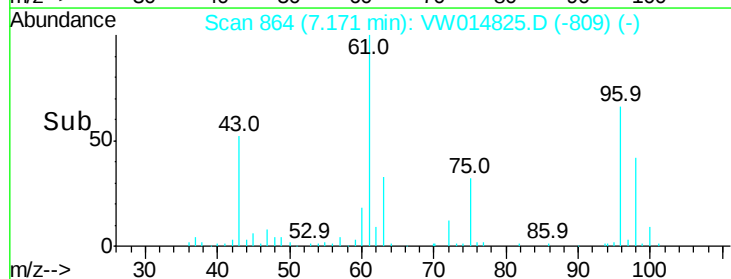
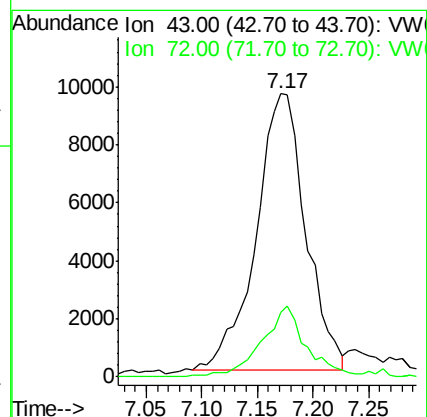
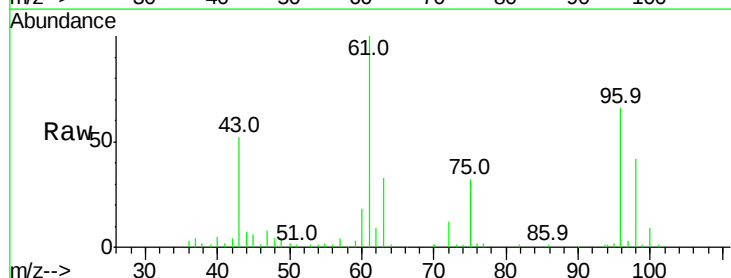
Acq: 03 Feb 2020 09:43

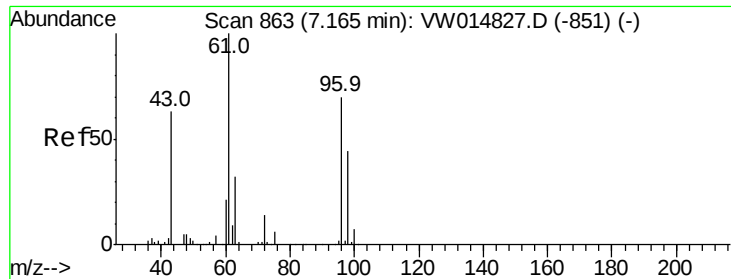
Tgt Ion: 43 Resp: 29744

Ion Ratio Lower Upper

43 100

72 21.2 11.7 35.0



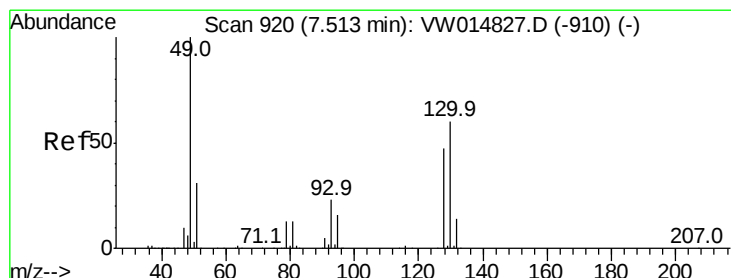
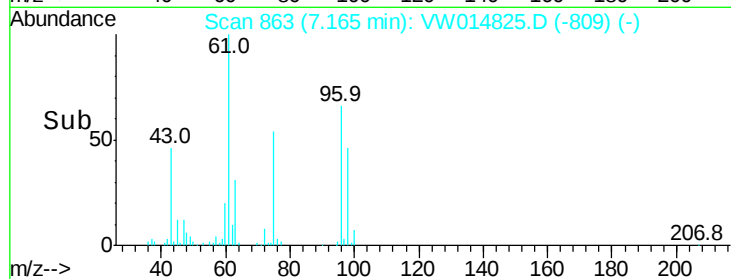
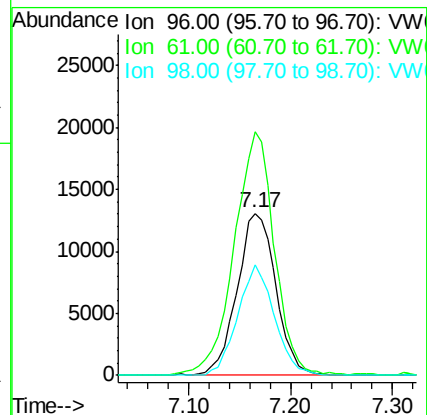
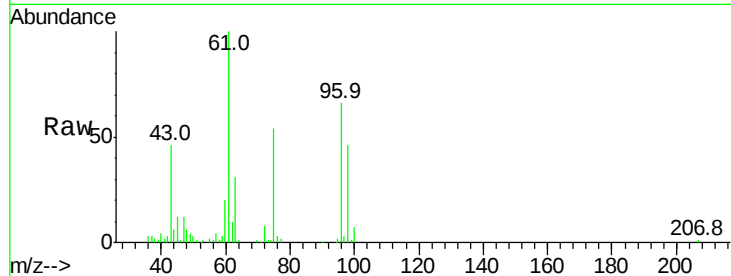


#22

cis-1,2-Dichloroethene
Concen: 2.736 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

Instrument :
MSVOA_W
ClientSampled :
VSTD2.505

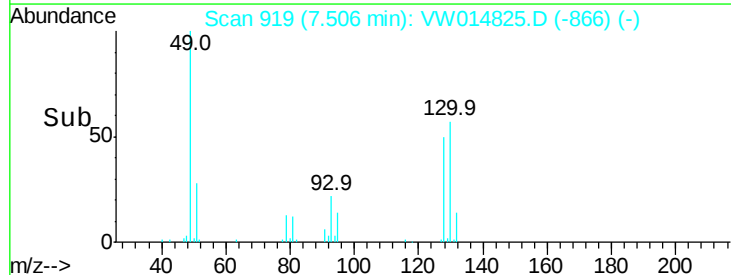
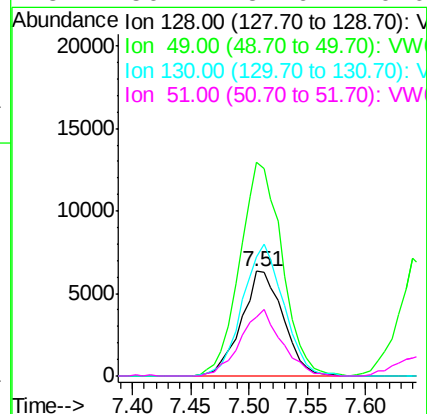
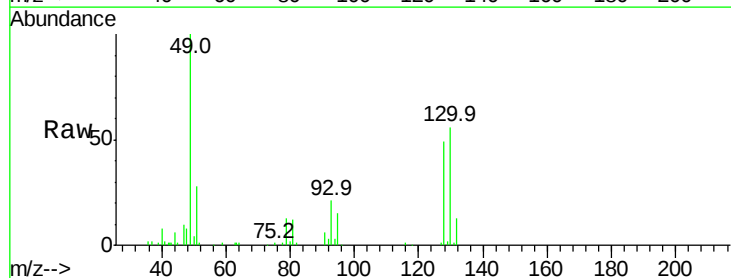
Tgt Ion: 96 Resp: 34397
Ion Ratio Lower Upper
96 100
61 150.6 100.6 186.8
98 68.6 44.0 81.8

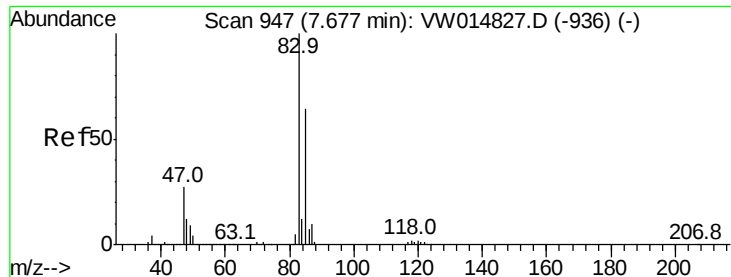


#23

Bromochloromethane
Concen: 2.889 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

Tgt Ion: 128 Resp: 15874
Ion Ratio Lower Upper
128 100
49 204.5 150.7 279.9
130 114.0 90.6 168.3
51 56.4 52.6 79.0

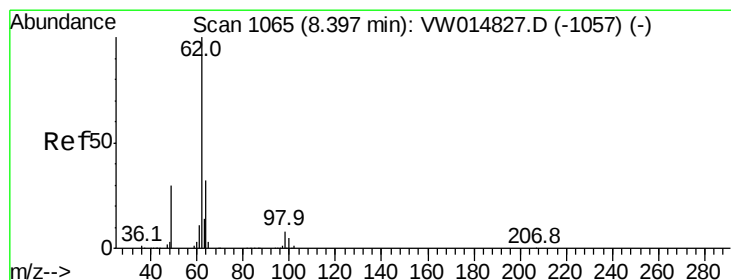
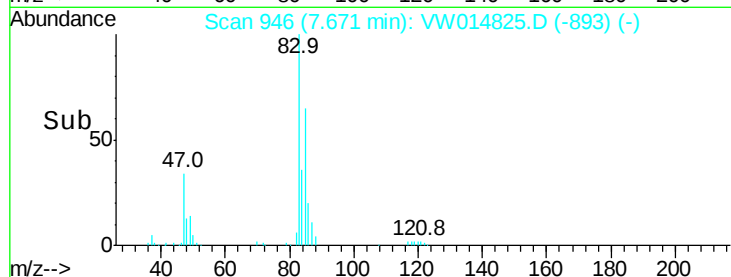
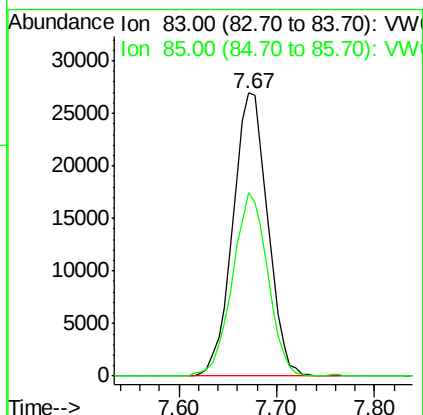
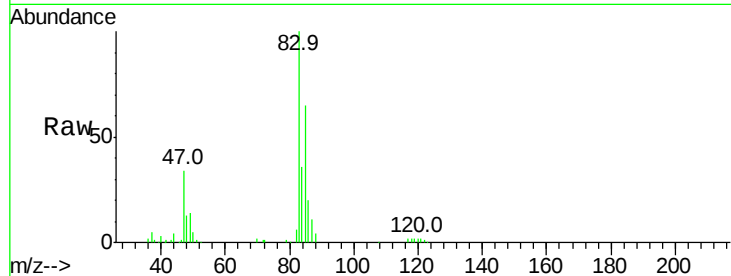




#25
Chloroform
Concen: 3.174 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

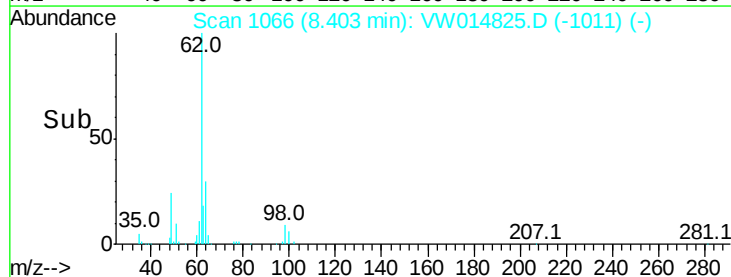
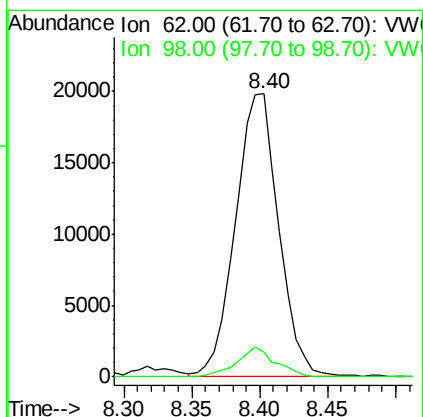
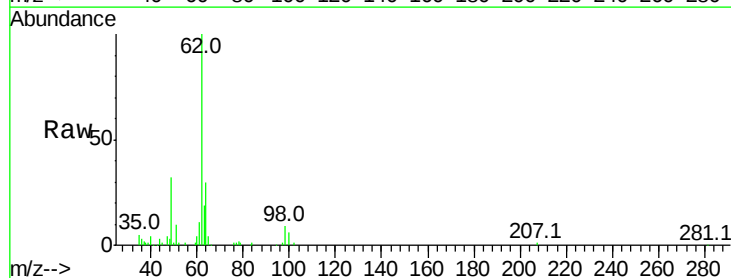
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

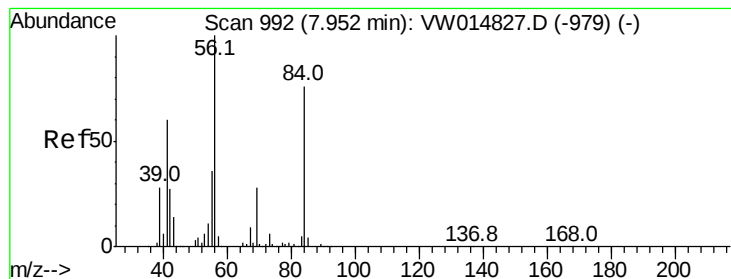
Tgt Ion: 83 Resp: 66693
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 3.178 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

Tgt Ion: 62 Resp: 44125
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#30

Cyclohexane

Concen: 2.626 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

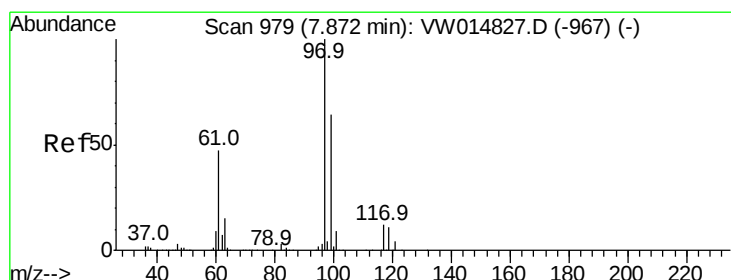
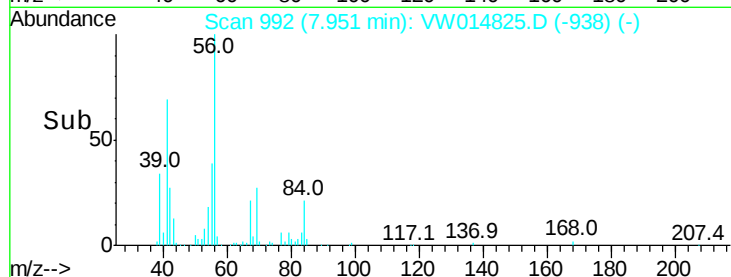
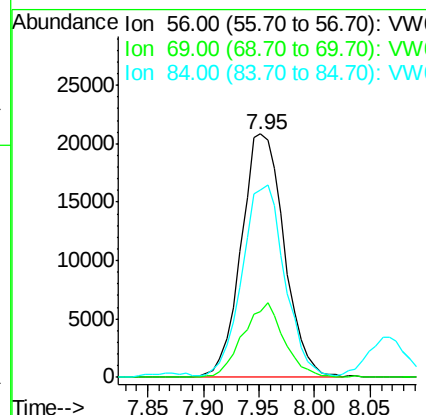
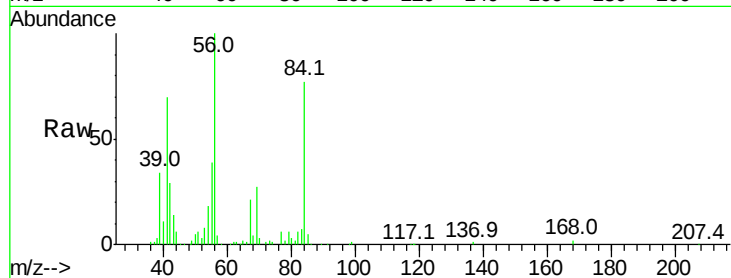
Tgt Ion: 56 Resp: 55878

Ion Ratio Lower Upper

56 100

69 29.1 22.6 33.8

84 79.1 62.2 93.4



#31

1,1,1-Trichloroethane

Concen: 3.056 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

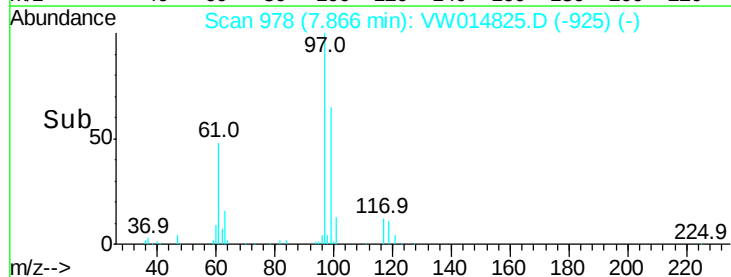
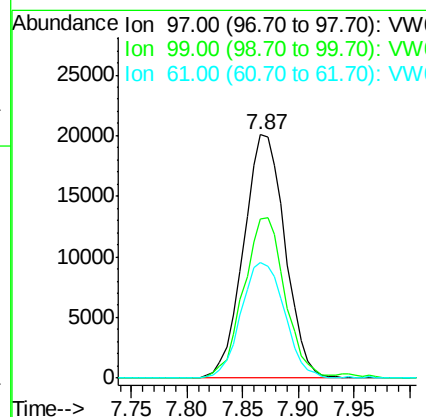
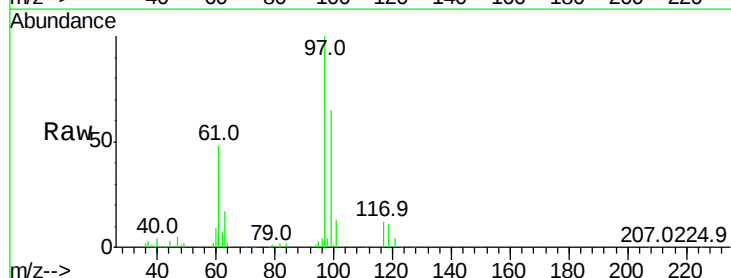
Tgt Ion: 97 Resp: 51998

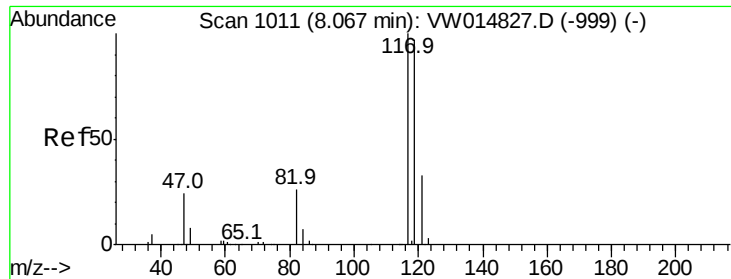
Ion Ratio Lower Upper

97 100

99 65.8 51.4 77.0

61 49.7 39.0 58.4





#32

Carbon tetrachloride

Concen: 2.928 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

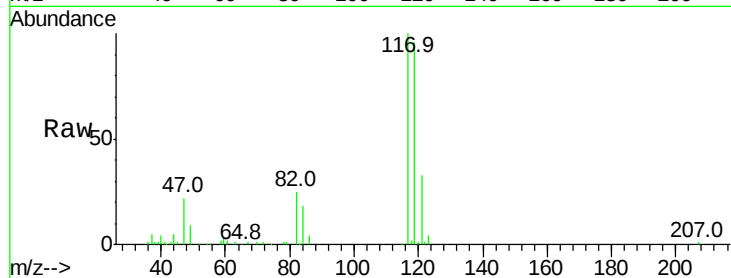
VSTD2.505

Tgt Ion:117 Resp: 46678

Ion Ratio Lower Upper

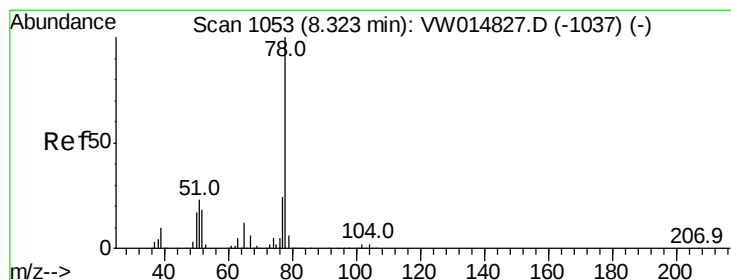
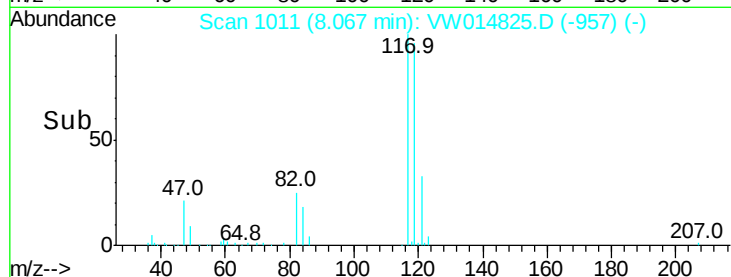
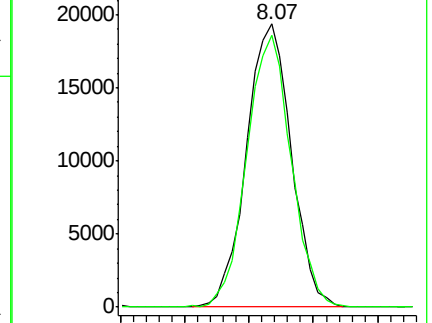
117 100

119 94.8 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 3.027 ug/L

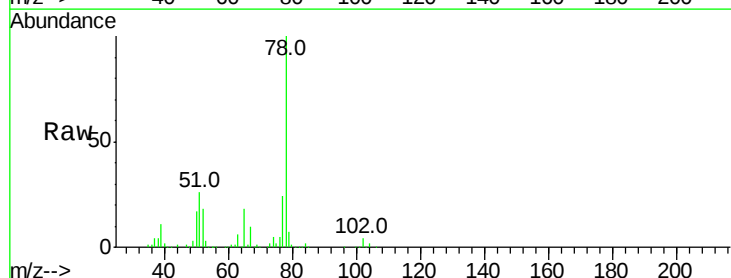
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

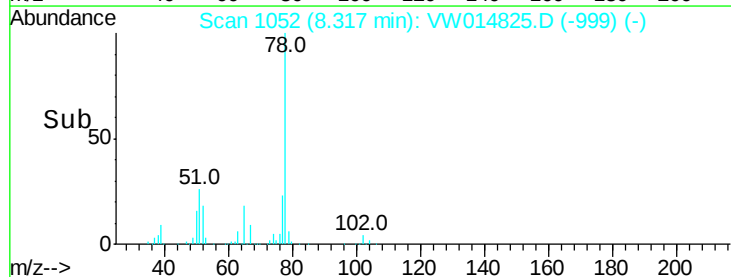
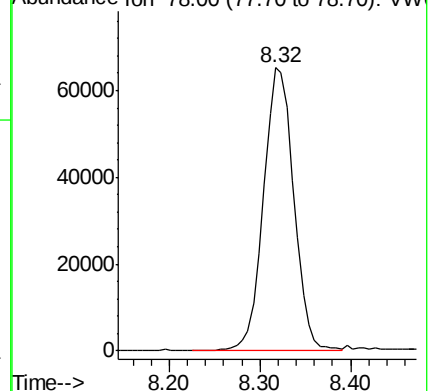
Lab File: VW014825.D

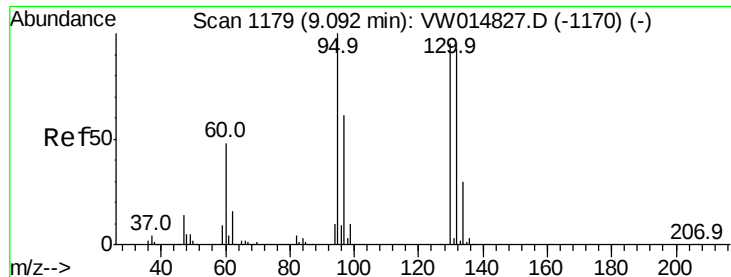
Acq: 03 Feb 2020 09:43

Tgt Ion: 78 Resp: 151026



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.966 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

Tgt Ion: 95 Resp: 37594

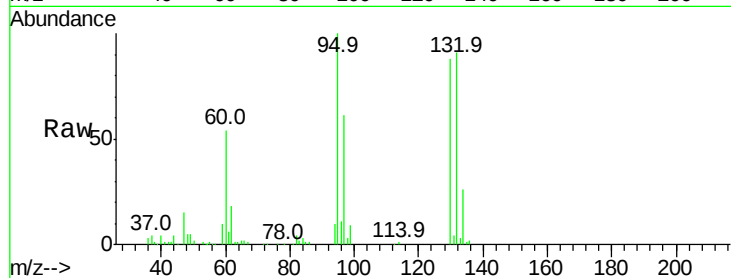
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.5

132 92.7 64.3 119.5

130 92.8 67.6 125.6

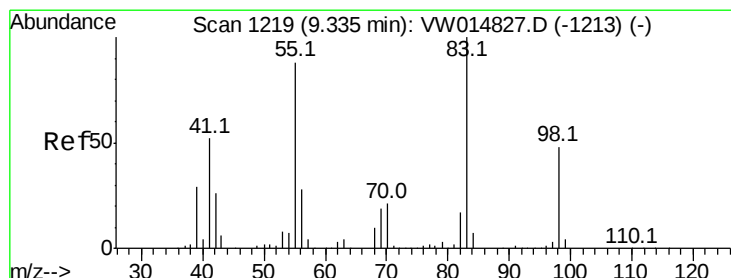
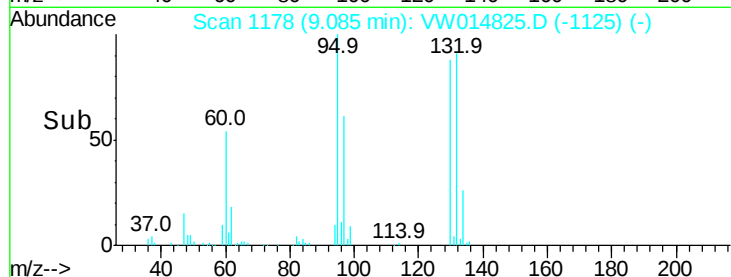
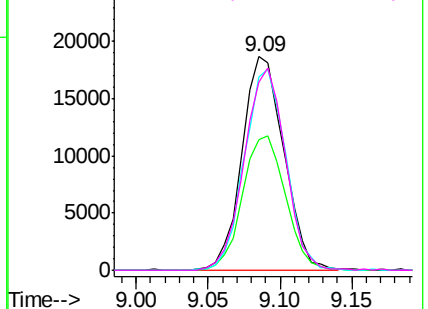


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 2.633 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

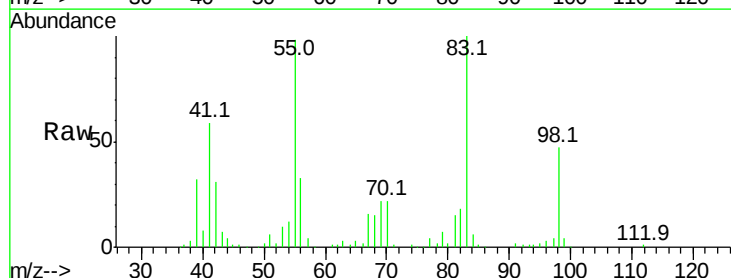
Tgt Ion: 83 Resp: 58063

Ion Ratio Lower Upper

83 100

55 92.5 71.0 106.6

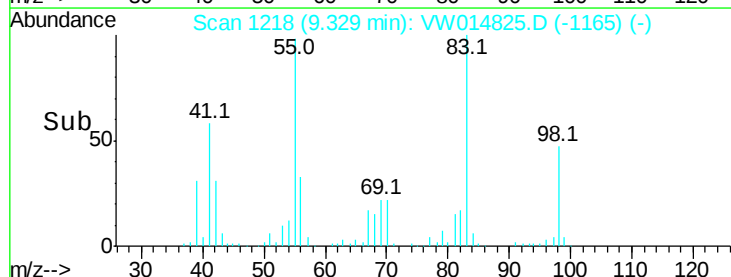
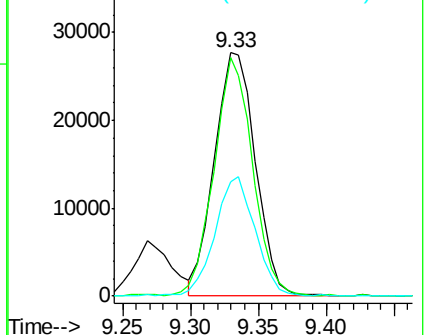
98 47.6 37.7 56.5

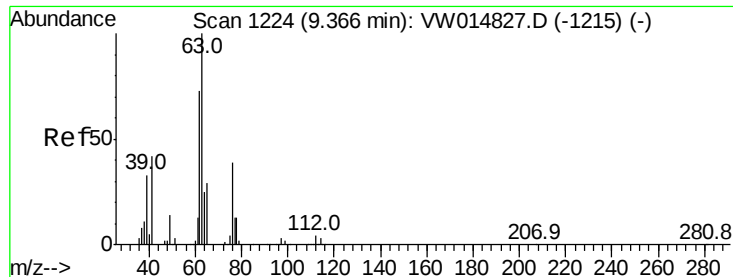


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 0.451 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

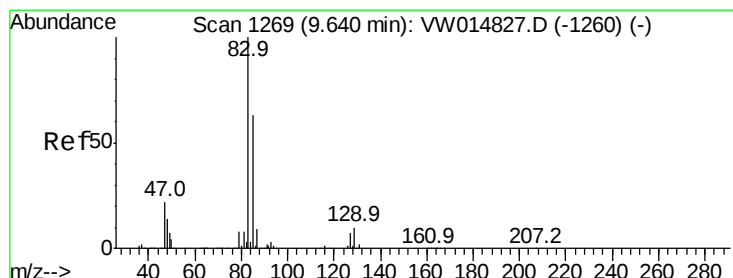
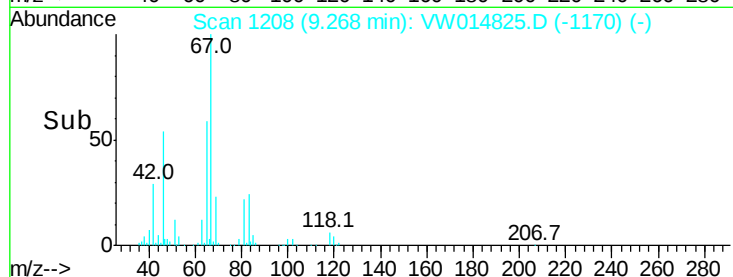
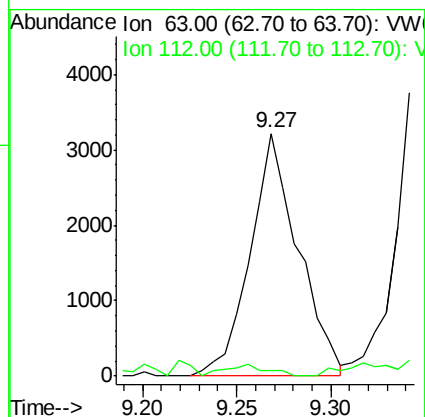
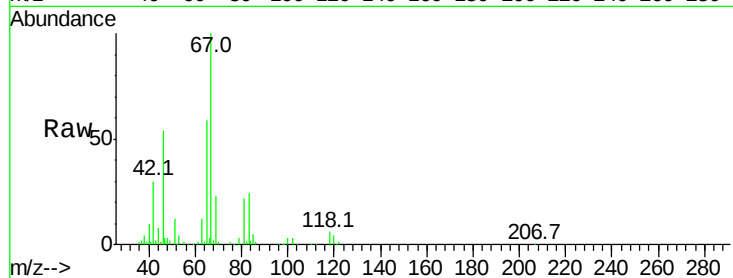
VSTD2.505

Tgt Ion: 63 Resp: 5699

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#41

Bromodichloromethane

Concen: 3.053 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

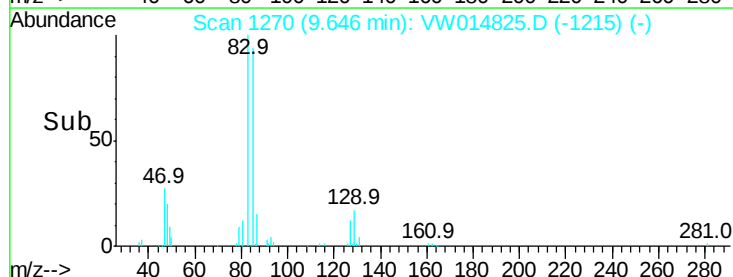
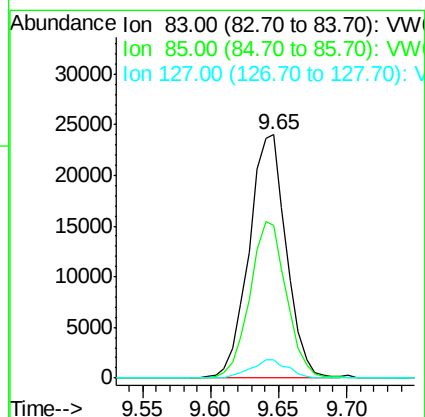
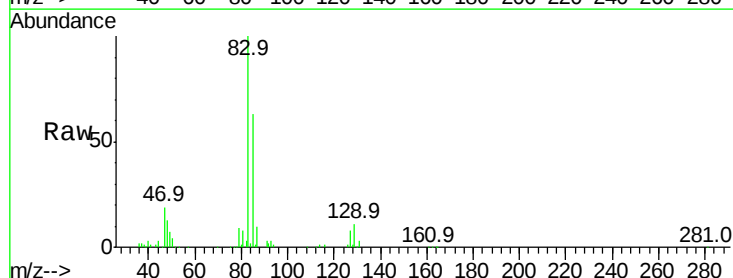
Tgt Ion: 83 Resp: 46159

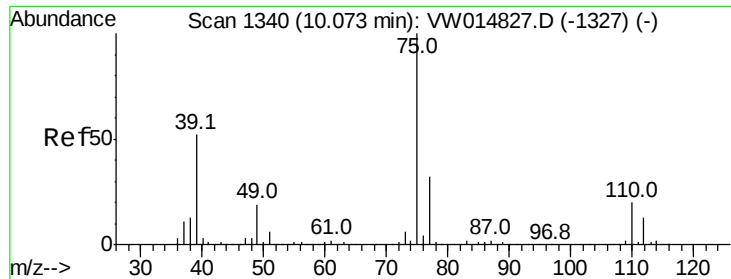
Ion Ratio Lower Upper

83 100

85 62.9 44.2 82.0

127 7.7 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 2.678 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

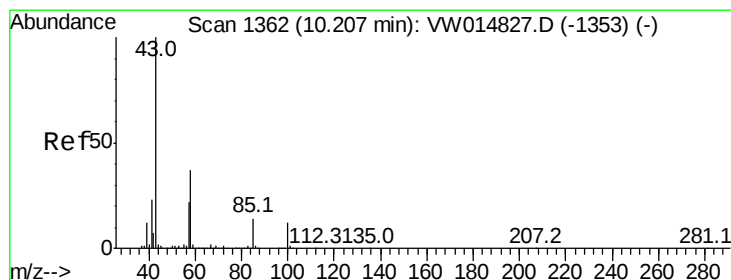
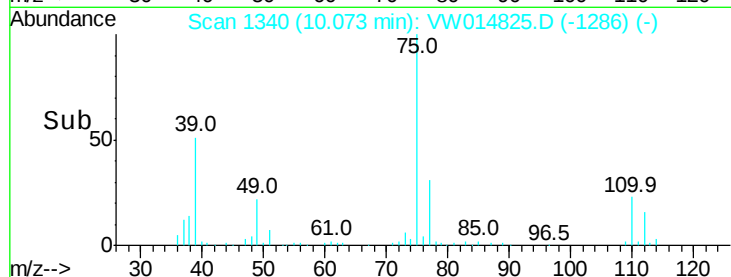
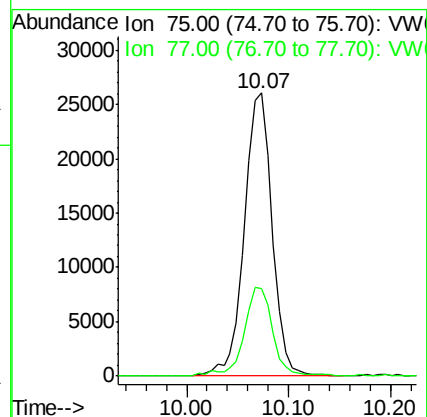
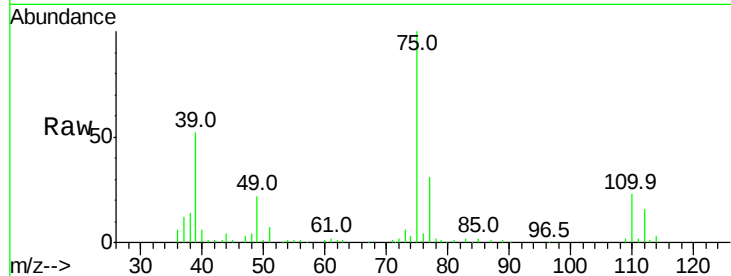
VSTD2.505

Tgt Ion: 75 Resp: 49482

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 5.349 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

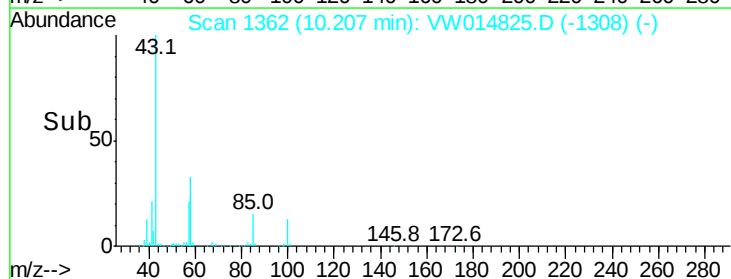
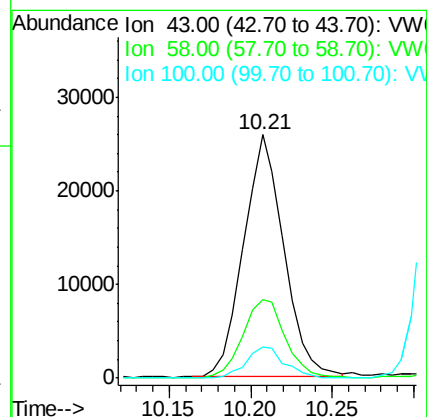
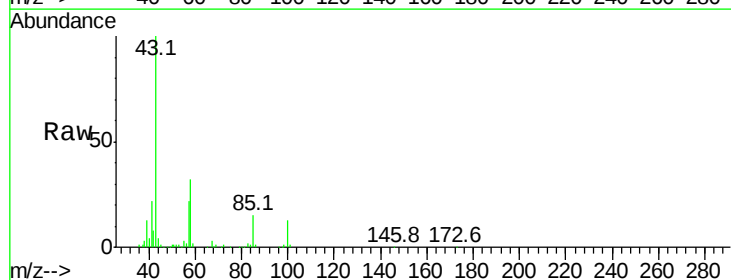
Tgt Ion: 43 Resp: 44493

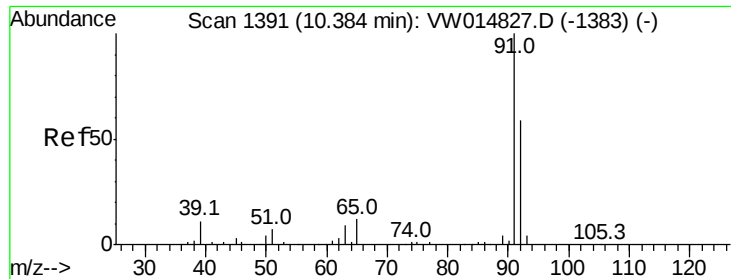
Ion Ratio Lower Upper

43 100

58 34.8 29.3 43.9

100 12.4 10.2 15.4





#44

Toluene

Concen: 2.817 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

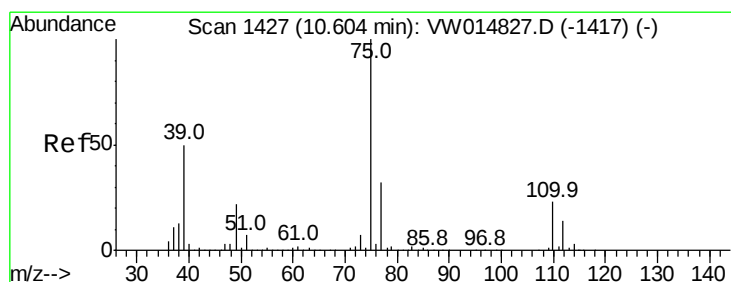
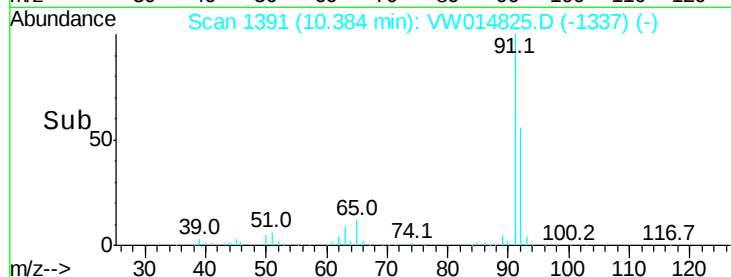
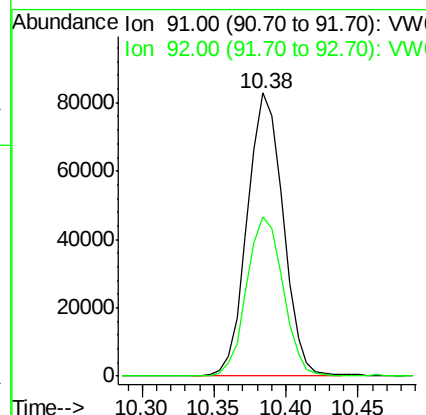
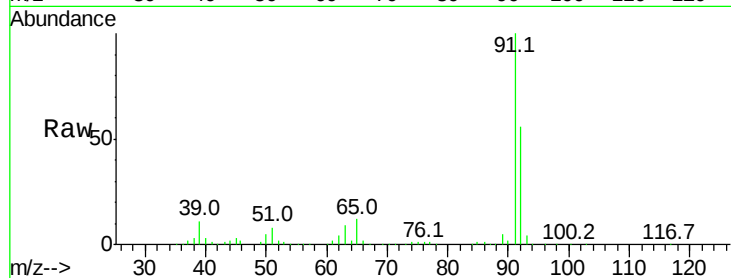
VSTD2.505

Tgt Ion: 91 Resp: 142851

Ion Ratio Lower Upper

91 100

92 56.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 2.665 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014825.D

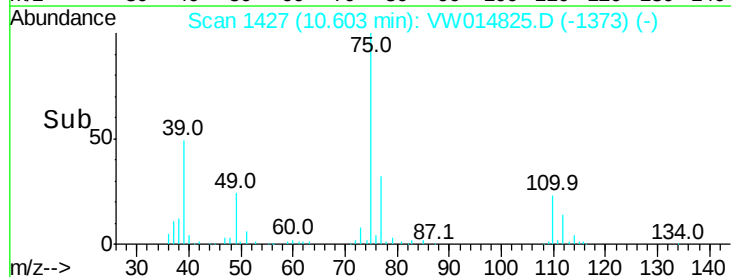
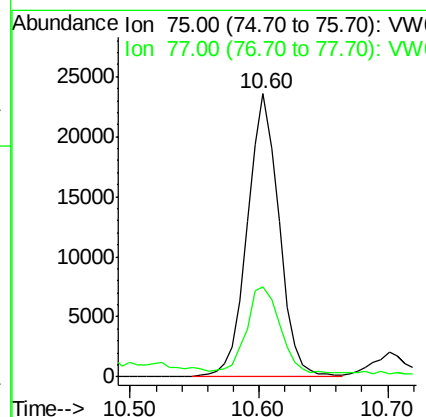
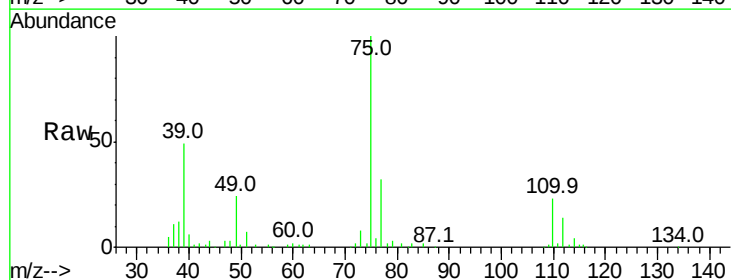
Acq: 03 Feb 2020 09:43

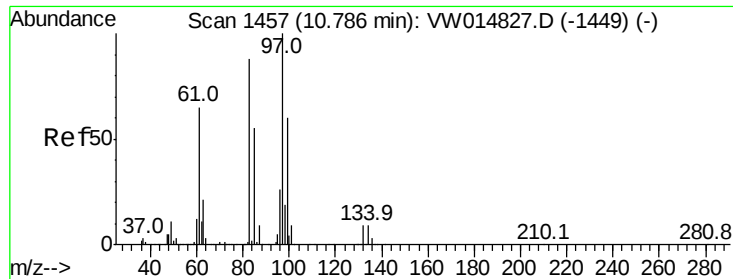
Tgt Ion: 75 Resp: 39965

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 2.844 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion: 97 Resp: 24560

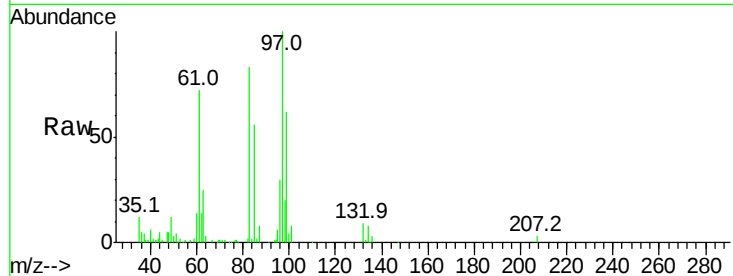
Ion Ratio Lower Upper

97 100

83 82.7 61.9 115.1

85 56.5 38.5 71.5

99 62.5 42.0 78.0

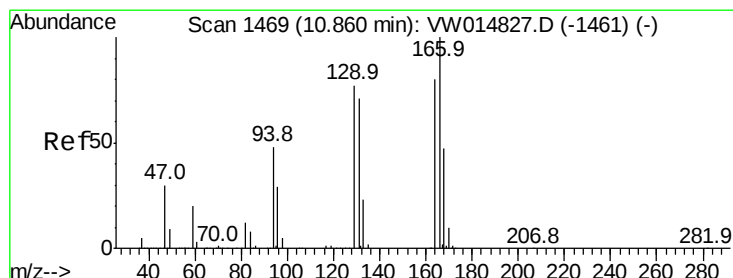
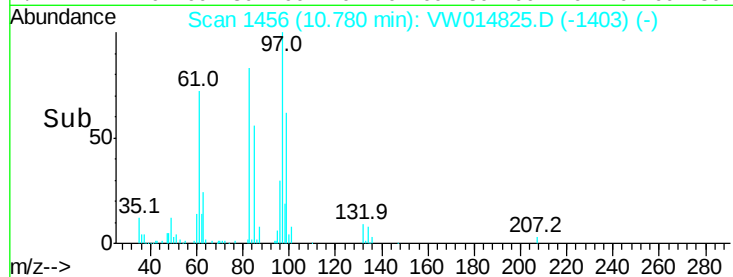
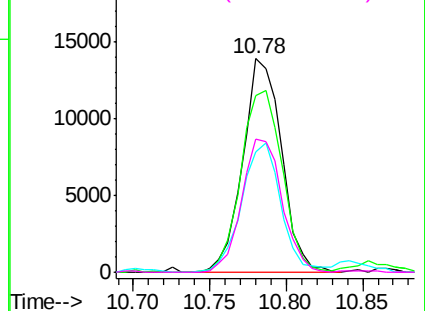


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.787 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Tgt Ion: 164 Resp: 28233

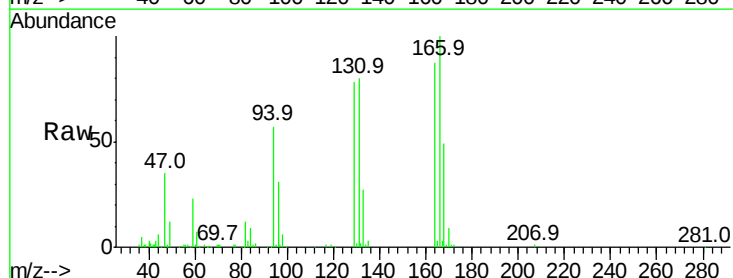
Ion Ratio Lower Upper

164 100

129 89.2 67.1 124.5

131 91.4 62.2 115.6

166 115.0 87.6 162.6

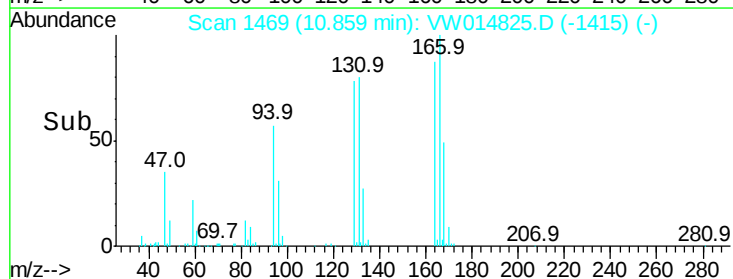
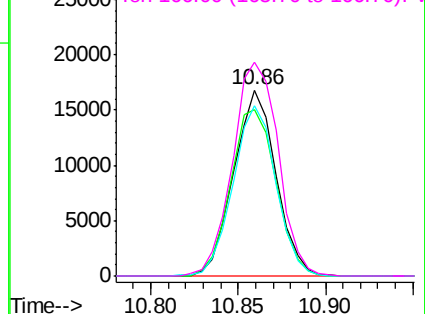


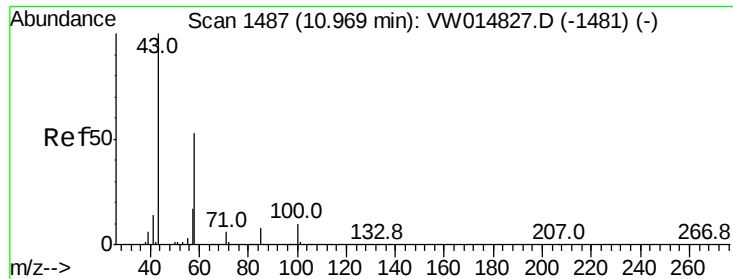
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

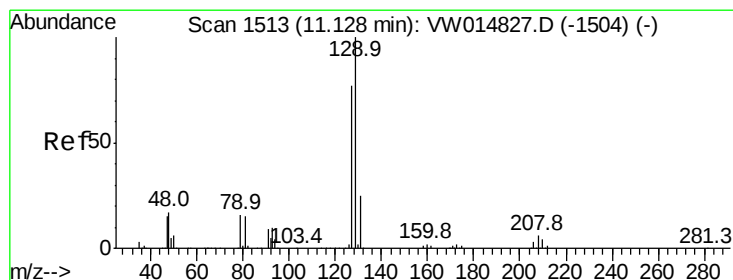
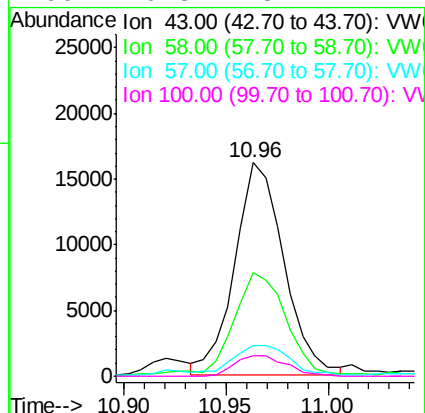
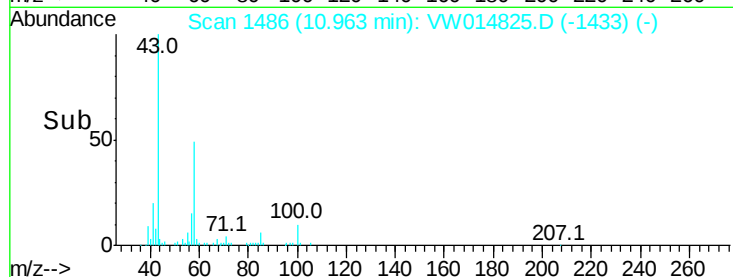
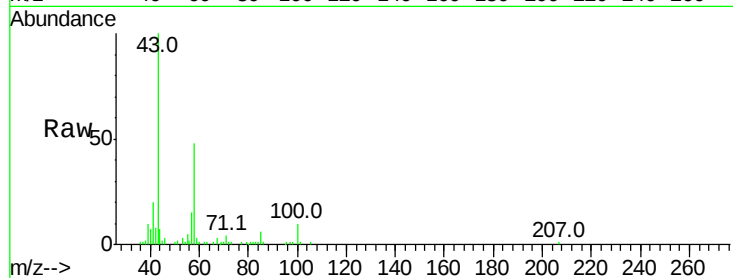




#49
2-Hexanone
Concen: 4.558 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

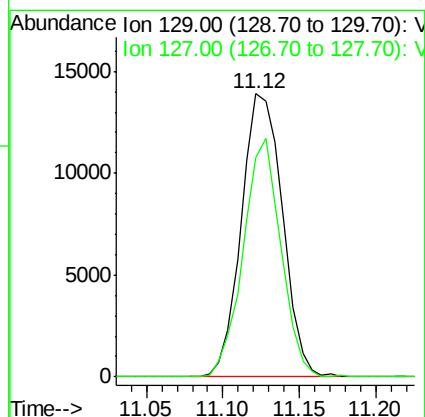
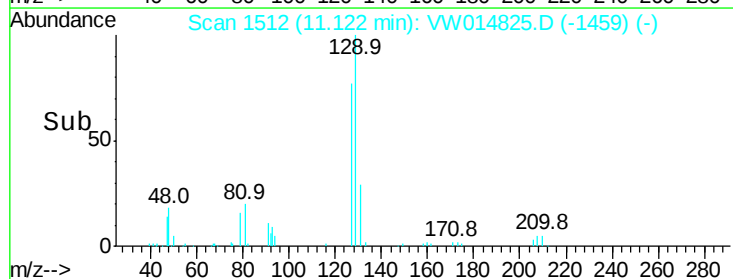
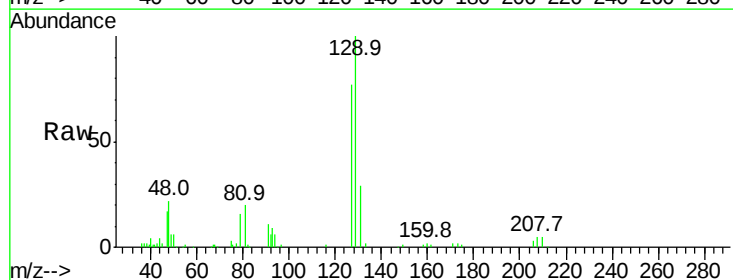
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

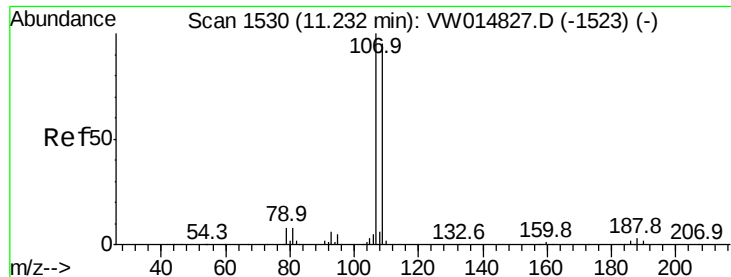
Tgt Ion:	43	Resp:	27258
Ion	Ratio	Lower	Upper
43	100		
58	49.2	41.1	61.7
57	15.7	14.1	21.1
100	10.3	8.1	12.1



#50
Dibromochloromethane
Concen: 2.645 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

Tgt Ion:	129	Resp:	26060
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.2	100.6

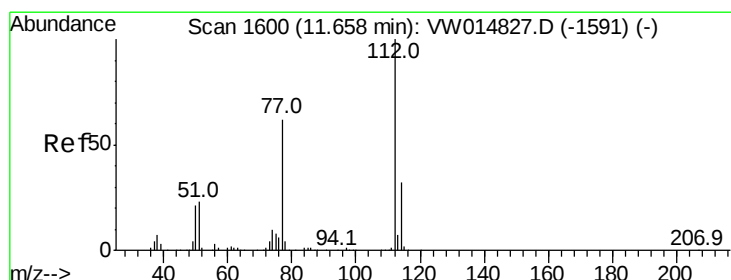
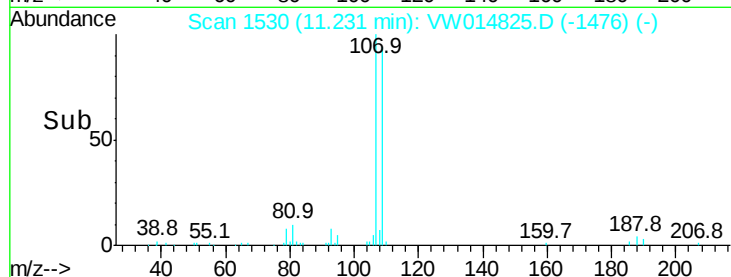
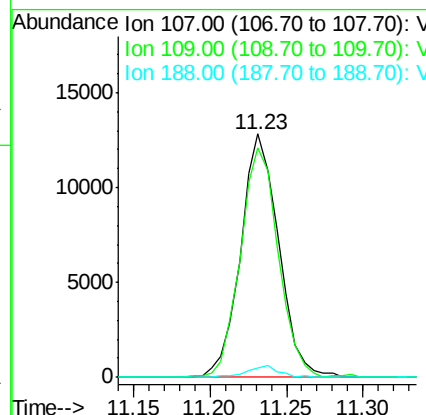
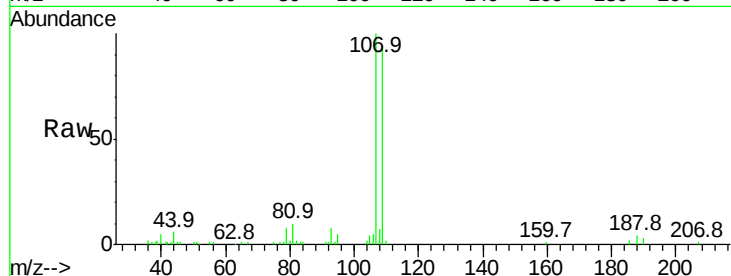




#51
 1,2-Dibromoethane
 Concen: 2.666 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

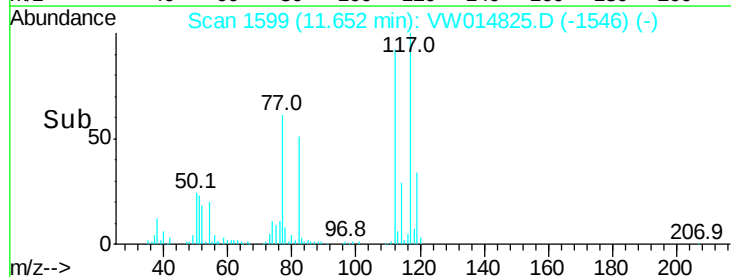
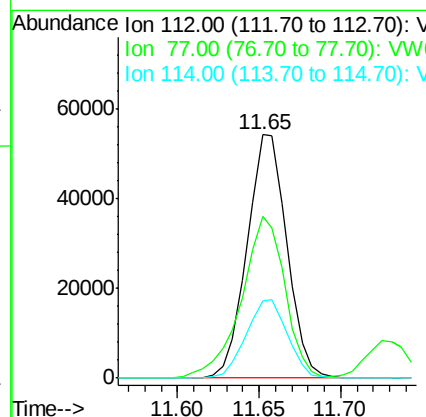
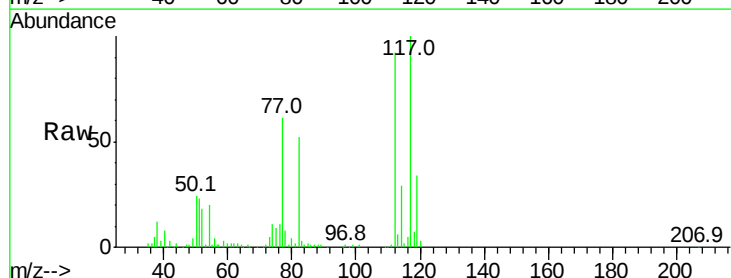
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

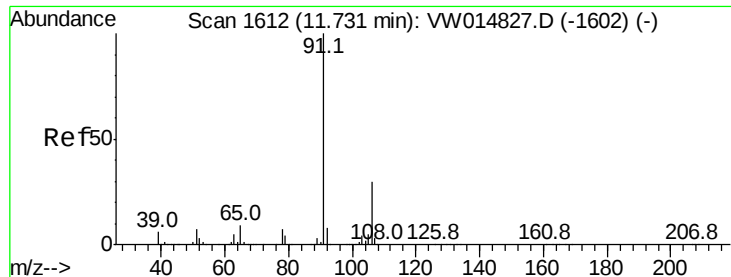
Tgt Ion:107 Resp: 22149
 Ion Ratio Lower Upper
 107 100
 109 94.1 66.6 123.8
 188 4.0 2.5 3.7#



#52
 Chlorobenzene
 Concen: 2.920 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

Tgt Ion:112 Resp: 92448
 Ion Ratio Lower Upper
 112 100
 77 66.4 49.8 74.8
 114 31.9 22.1 41.1





#53

Ethylbenzene

Concen: 2.707 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

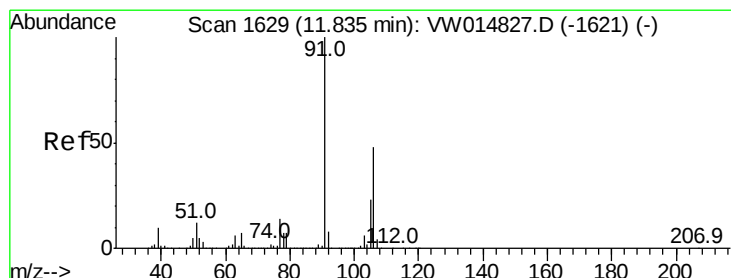
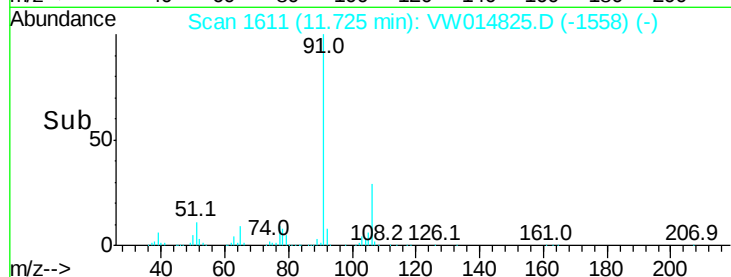
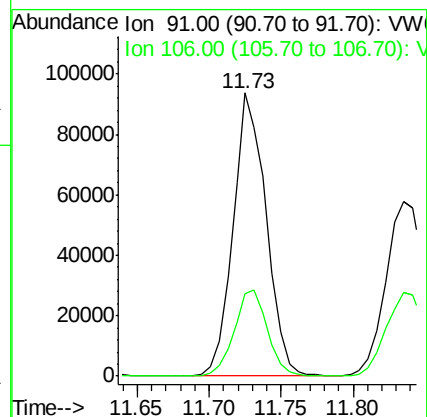
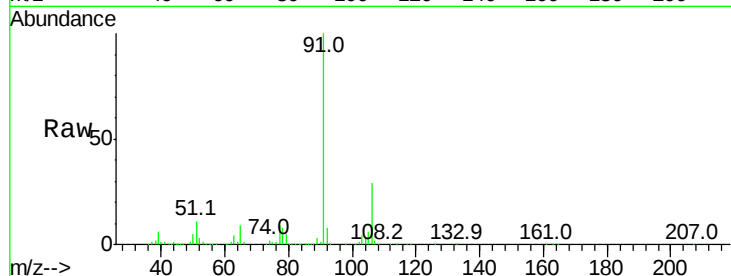
VSTD2.505

Tgt Ion: 91 Resp: 150012

Ion Ratio Lower Upper

91 100

106 29.3 21.3 39.5



#54

m,p-Xylene

Concen: 2.615 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014825.D

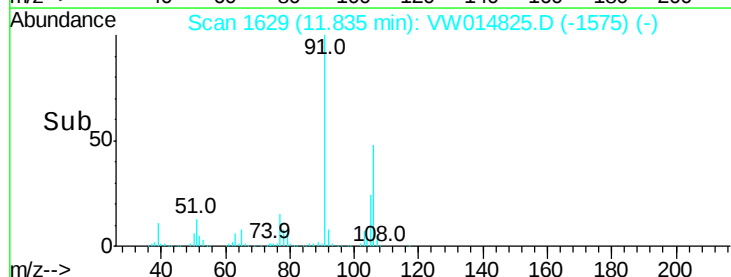
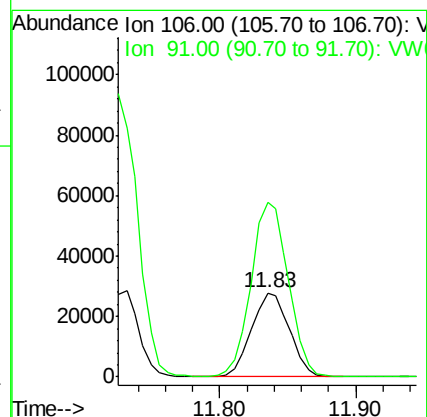
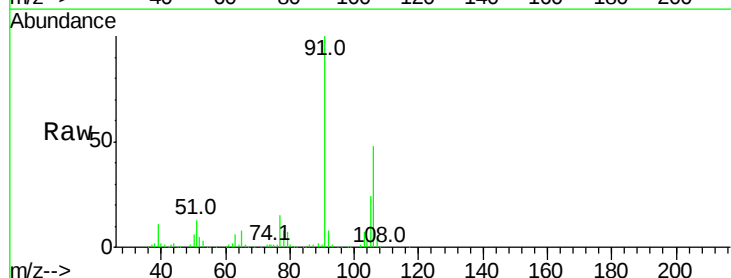
Acq: 03 Feb 2020 09:43

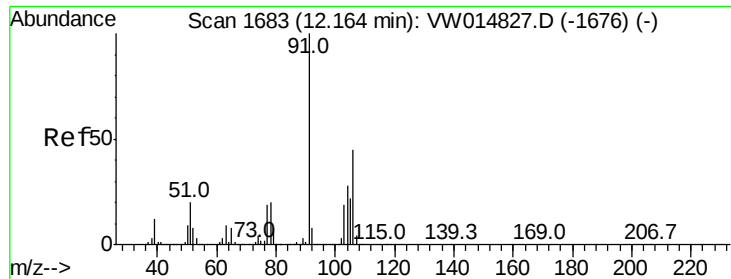
Tgt Ion: 106 Resp: 54174

Ion Ratio Lower Upper

106 100

91 208.0 145.3 269.9

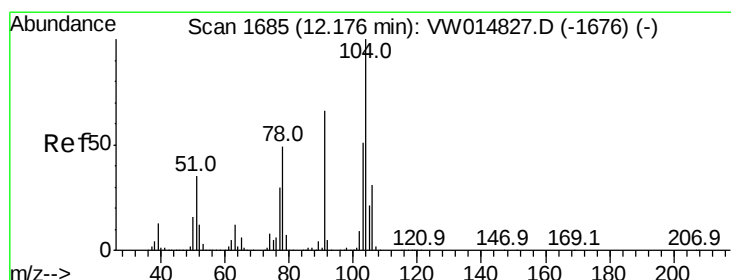
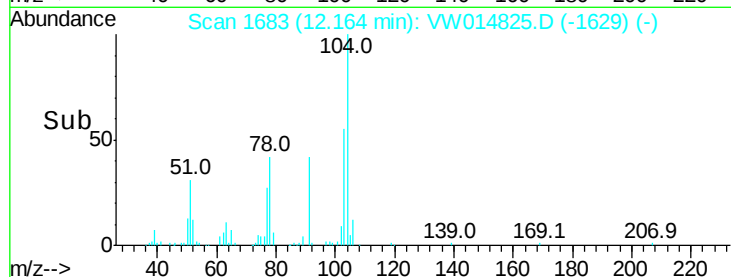
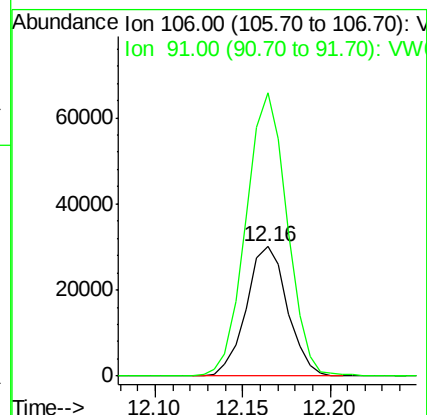
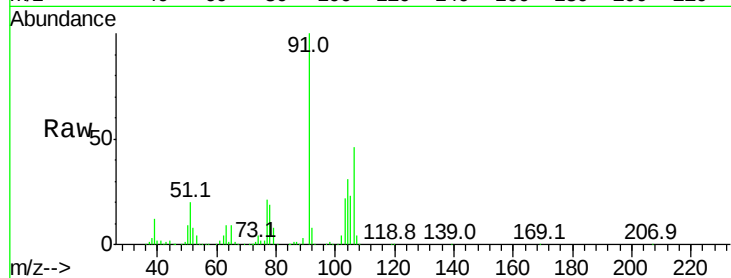




#55
o-xylene
Concen: 2.530 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

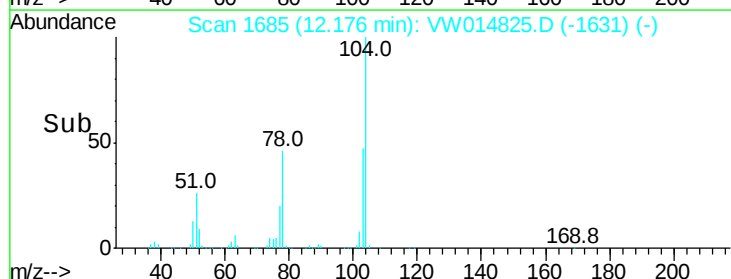
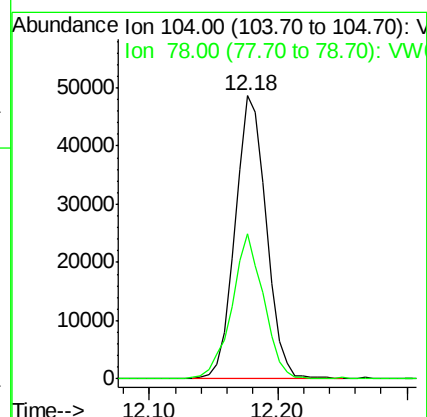
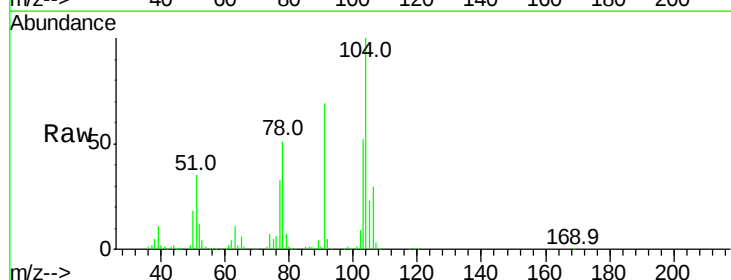
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

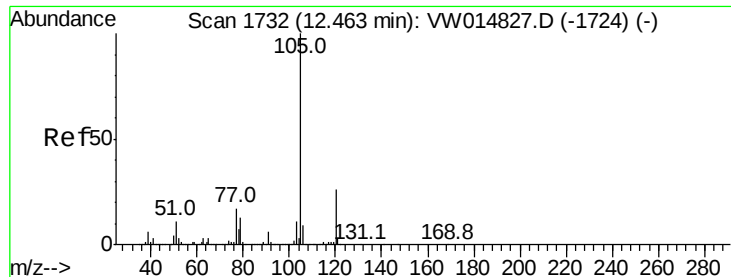
Tgt Ion:106 Resp: 49179
Ion Ratio Lower Upper
106 100
91 218.4 154.6 287.0



#56
Styrene
Concen: 2.484 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014825.D
Acq: 03 Feb 2020 09:43

Tgt Ion:104 Resp: 81869
Ion Ratio Lower Upper
104 100
78 51.3 34.3 63.7





#57

Isopropylbenzene

Concen: 2.500 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

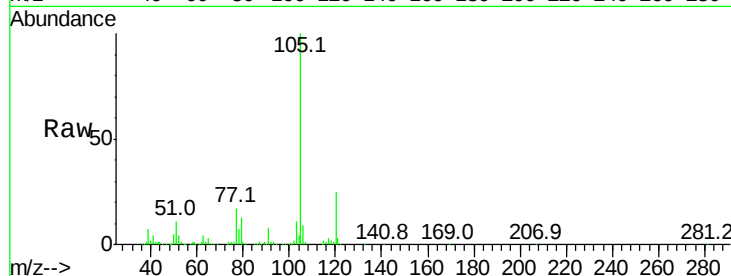
Tgt Ion: 105 Resp: 131602

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

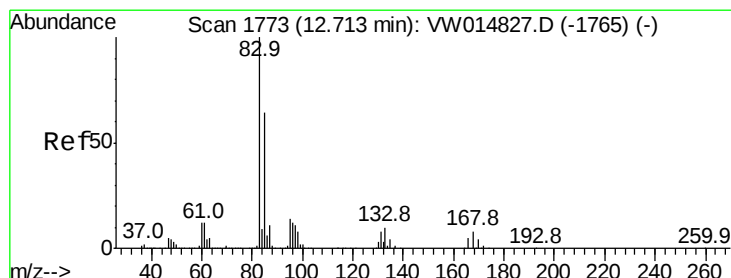
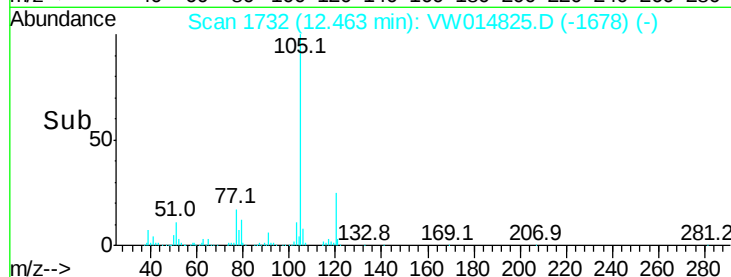
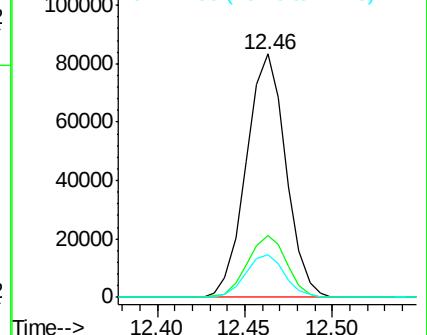
77 17.5 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.732 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

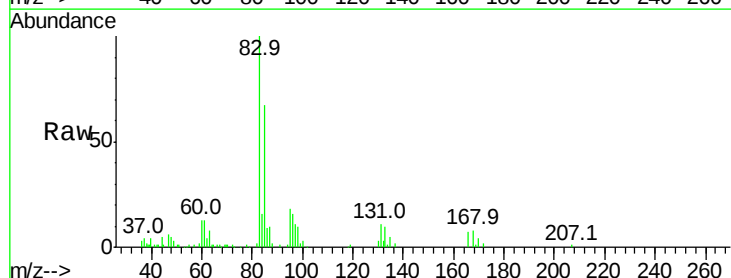
Tgt Ion: 83 Resp: 30396

Ion Ratio Lower Upper

83 100

85 66.6 44.9 83.5

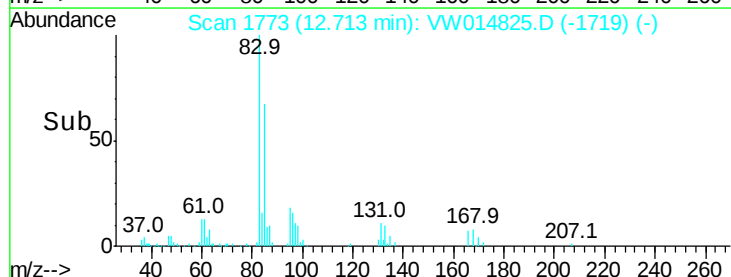
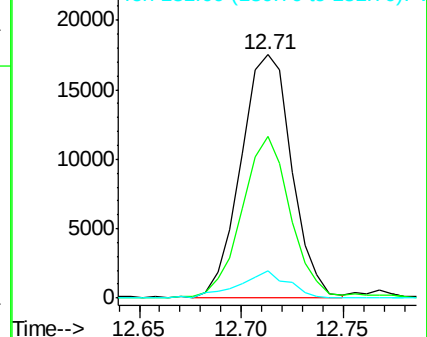
131 11.3 6.9 10.3#

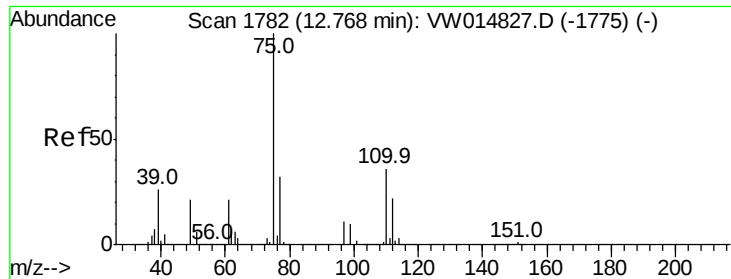


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.776 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

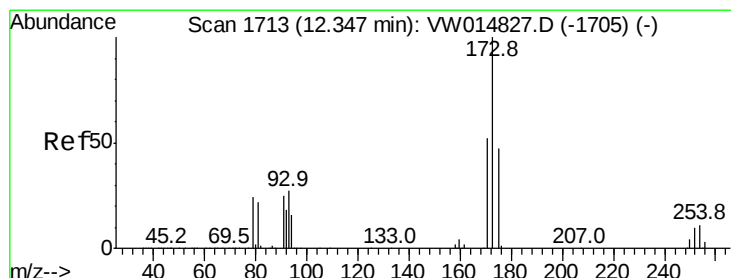
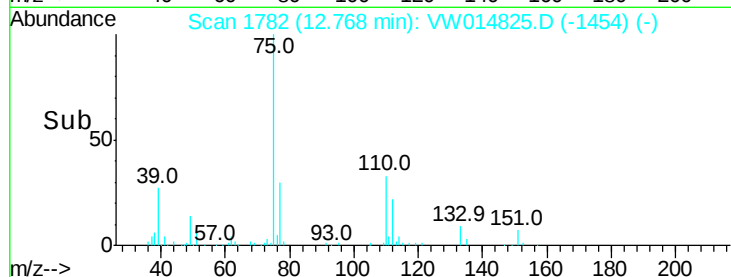
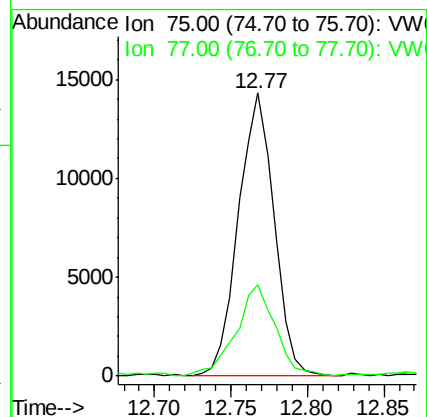
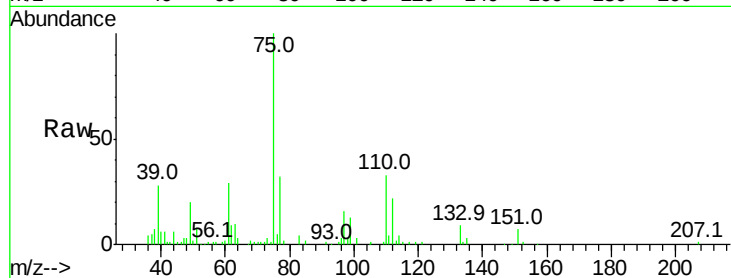
VSTD2.505

Tgt Ion: 75 Resp: 23200

Ion Ratio Lower Upper

75 100

77 35.9 25.3 37.9



#62

Bromoform

Concen: 2.537 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

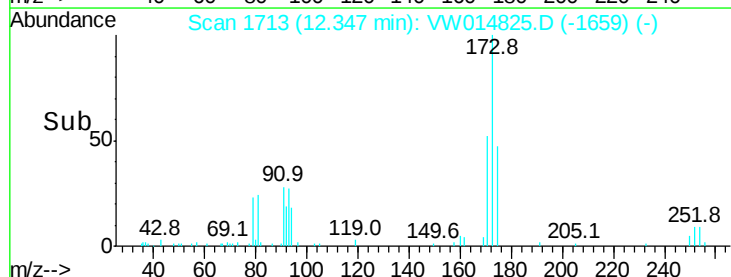
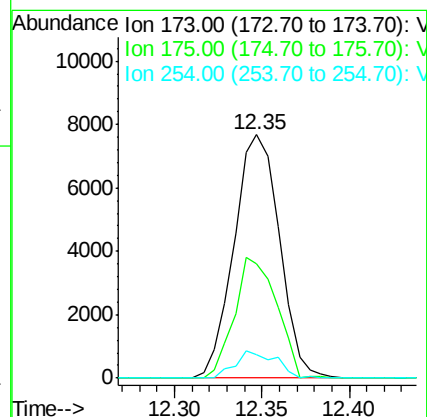
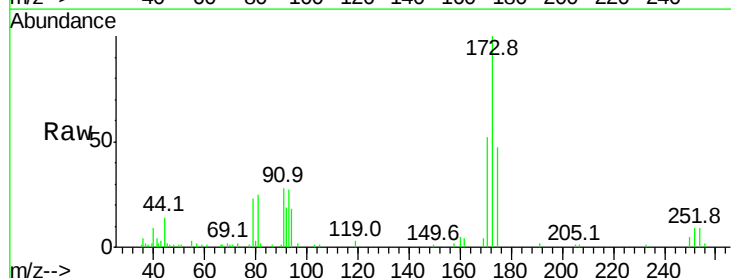
Tgt Ion: 173 Resp: 13921

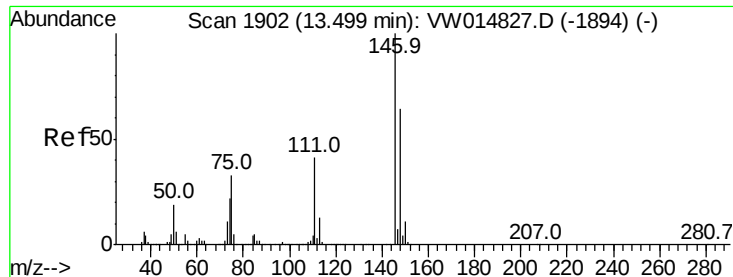
Ion Ratio Lower Upper

173 100

175 45.8 38.2 57.4

254 9.8 8.6 13.0

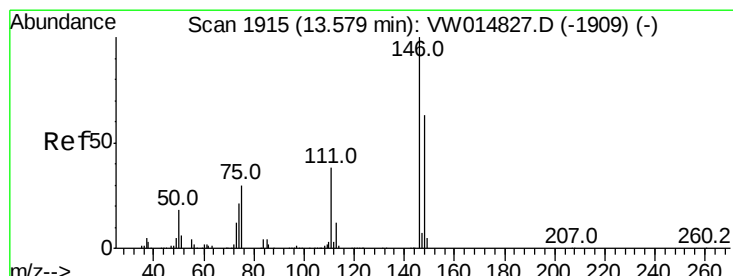
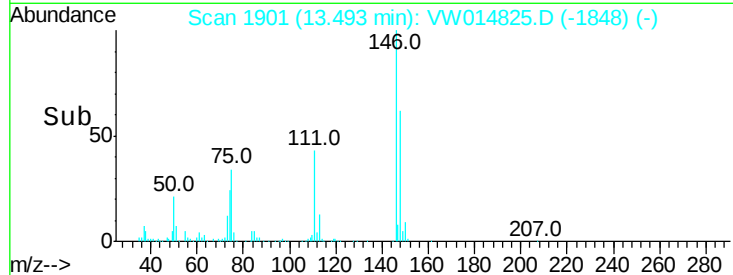
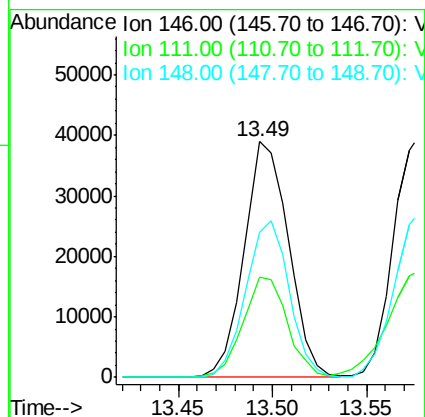
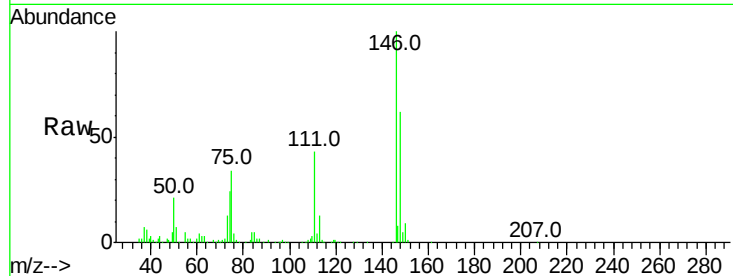




#63
 1,3-Dichlorobenzene
 Concen: 2.827 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

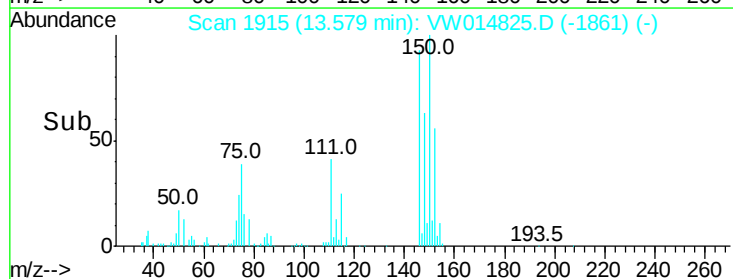
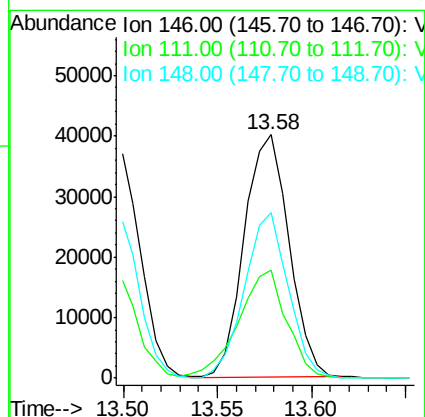
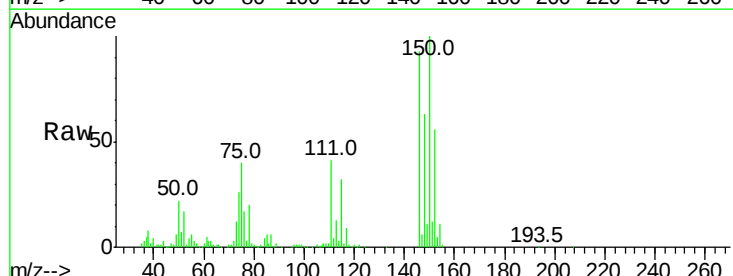
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

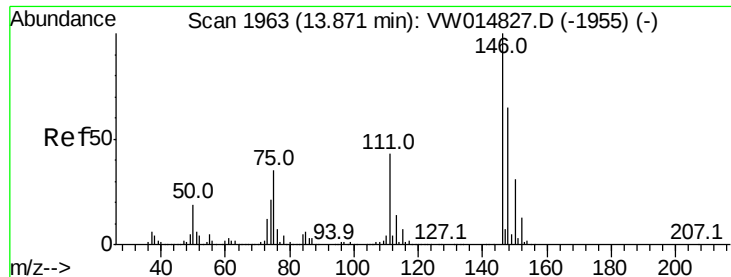
Tgt Ion:146 Resp: 63820
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.8 53.4
 148 61.8 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 2.919 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

Tgt Ion:146 Resp: 66030
 Ion Ratio Lower Upper
 146 100
 111 44.5 27.2 50.4
 148 68.0 44.2 82.0

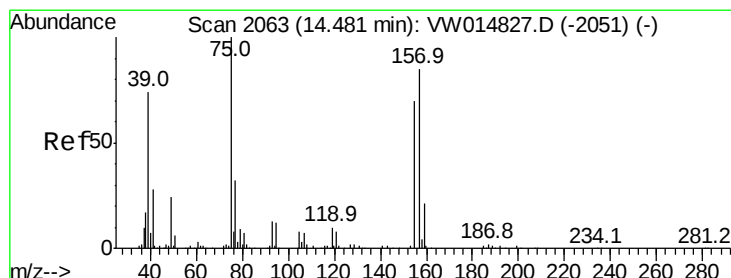
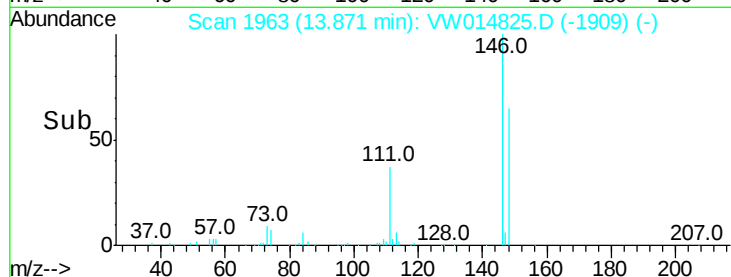
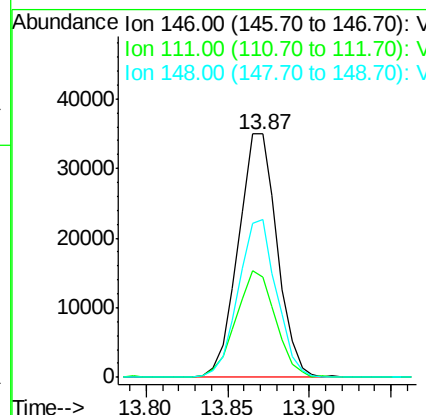
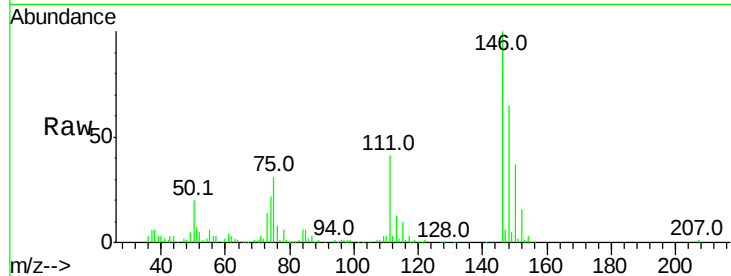




#65
 1,2-Dichlorobenzene
 Concen: 2.825 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

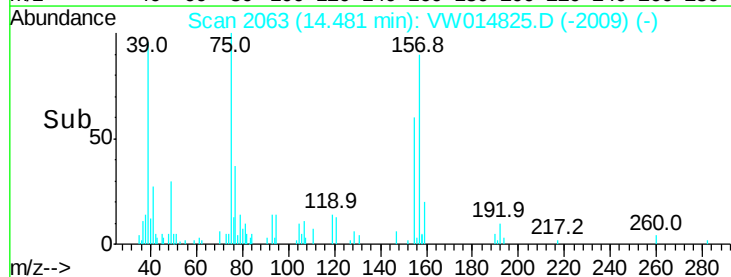
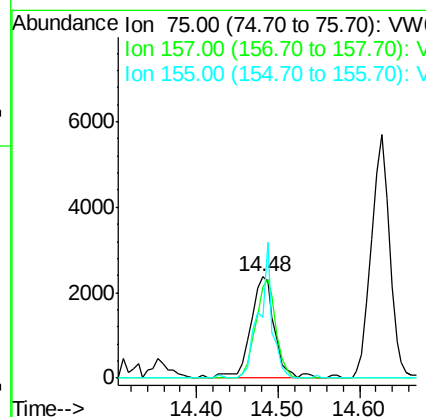
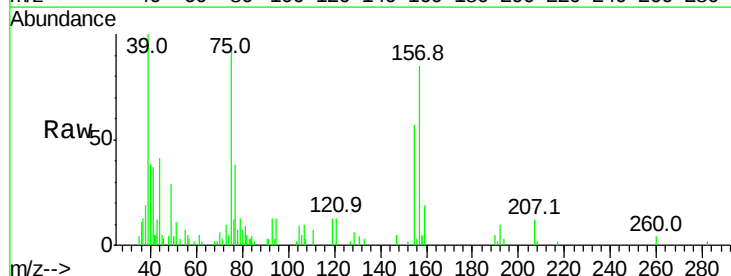
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

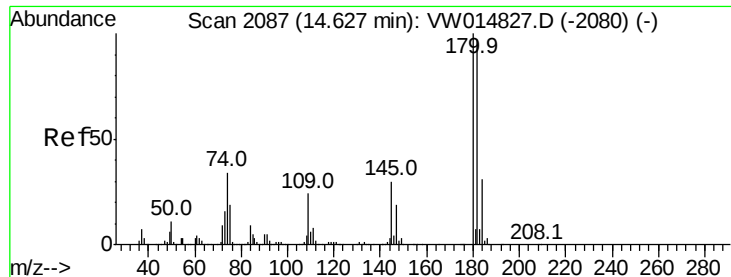
Tgt Ion:146 Resp: 58006
 Ion Ratio Lower Upper
 146 100
 111 41.0 34.3 51.5
 148 65.1 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.898 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

Tgt Ion: 75 Resp: 4879
 Ion Ratio Lower Upper
 75 100
 157 89.9 68.2 102.2
 155 59.9 56.0 84.0

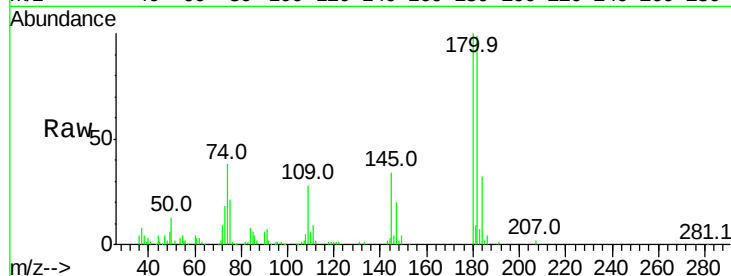




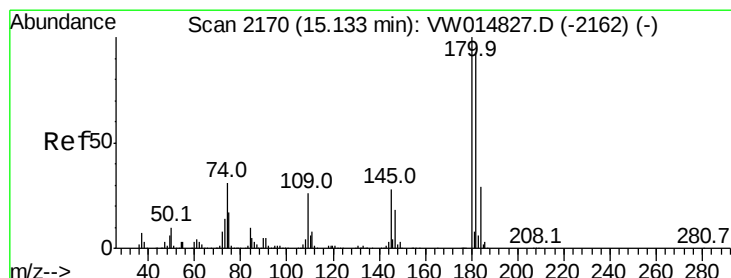
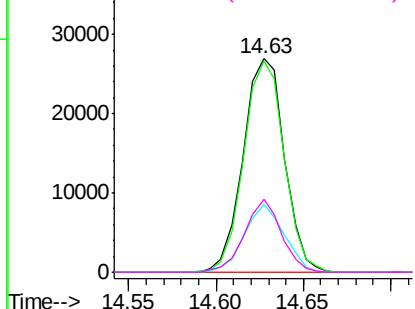
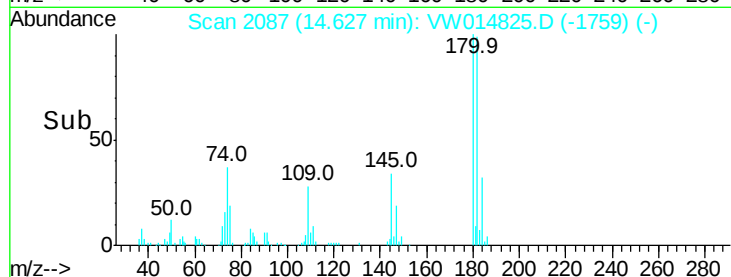
#67
 1,3,5-Trichlorobenzene
 Concen: 2.643 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tgt Ion:180 Resp: 44193
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.1 114.1
 184 30.7 24.2 36.2
 145 30.5 23.9 35.9

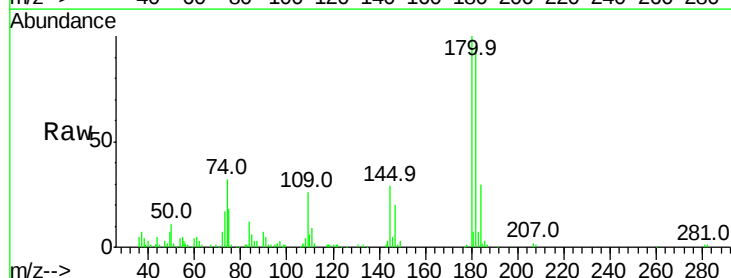


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

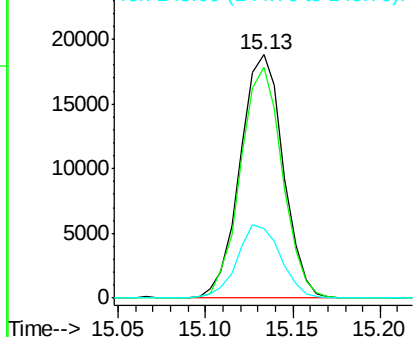
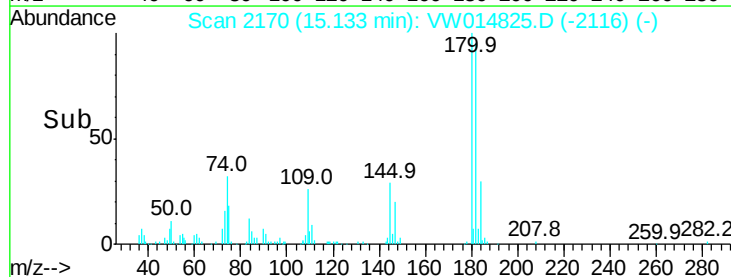


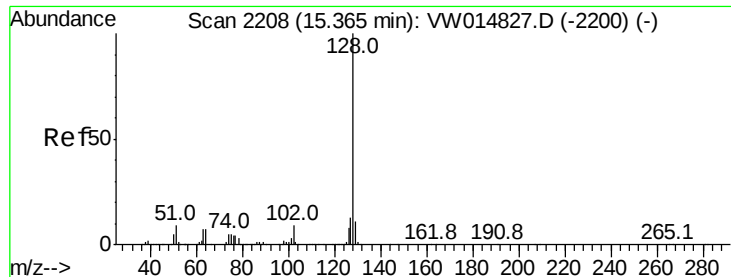
#68
 1,2,4-trichlorobenzene
 Concen: 2.600 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014825.D
 Acq: 03 Feb 2020 09:43

Tgt Ion:180 Resp: 32254
 Ion Ratio Lower Upper
 180 100
 182 92.4 74.7 112.1
 145 30.3 24.1 36.1



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





#69

Naphthalene

Concen: 2.284 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

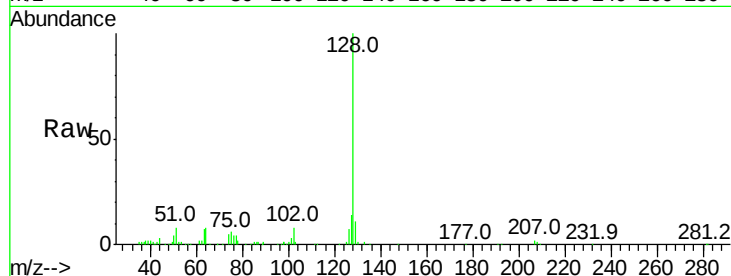
Tgt Ion:128 Resp: 51248

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

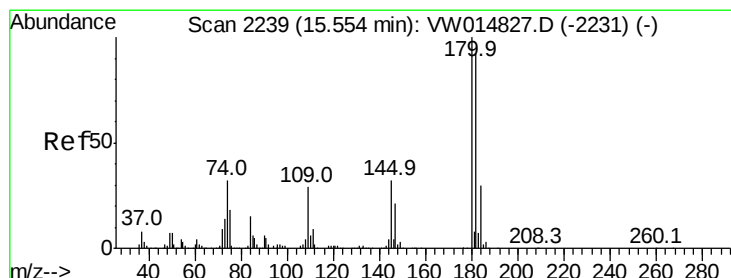
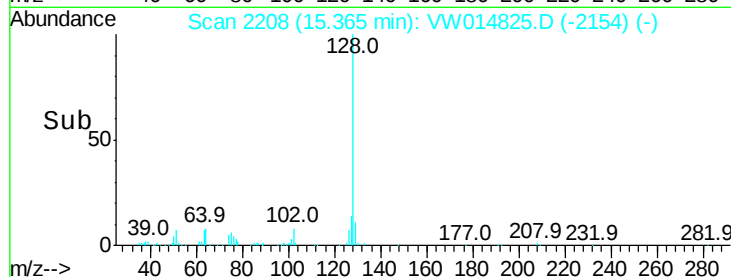
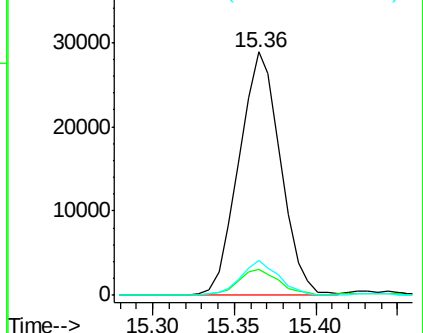
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.635 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014825.D

Acq: 03 Feb 2020 09:43

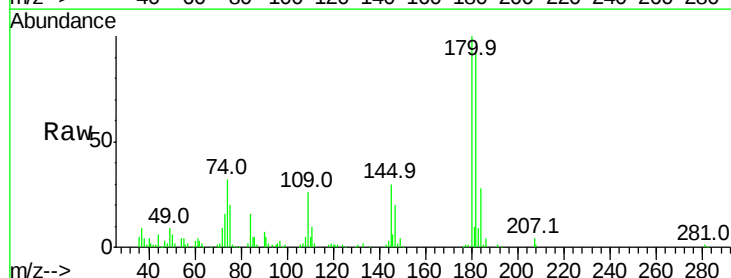
Tgt Ion:180 Resp: 29972

Ion Ratio Lower Upper

180 100

182 93.4 76.4 114.6

145 33.5 25.7 38.5



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

