

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017320.D
 Acq On : 18 Nov 2020 11:22
 Operator : SY/VA
 Sample : VSTD2.505
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Quant Time: Nov 18 12:51:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 12:44:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	399638	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	355828	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180428	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	17340	3.49	ug/L	0.00
7) Chloroethane-d5	2.89	69	13439	3.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	27727	3.08	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3479	3.30	ug/L	0.01
24) Chloroform-d	7.65	84	27907	3.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	12803	2.80	ug/L	0.00
29) Benzene-d6	8.28	84	53922	3.00	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	14066	2.85	ug/L	0.00
37) Toluene-d8	10.33	98	47599	2.80	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5622	2.55	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3121	3.86	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	9696	2.33	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	17573	2.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8137	2.082	ug/L 98
3) Chloromethane	2.21	50	10895	2.952	ug/L 96
5) Vinyl chloride	2.36	62	15270	2.824	ug/L 98
6) Bromomethane	2.78	94	11282	2.978	ug/L 97
8) Chloroethane	2.93	64	8793	2.679	ug/L 91
9) Trichlorofluoromethane	3.27	101	12873	2.901	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	13872	2.702	ug/L 92
12) 1,1-Dichloroethene	4.04	96	13169	2.661	ug/L 85
13) Acetone	4.12	43	3441	4.825	ug/L 87
14) Carbon disulfide	4.39	76	37964	2.759	ug/L 96
16) Methylene chloride	4.92	84	30138	5.468	ug/L 93
17) Methyl tert-butyl Ether	5.43	73	14267	2.409	ug/L # 78
18) trans-1,2-Dichloroethene	5.43	96	13695	2.651	ug/L 91
19) 1,1-Dichloroethane	6.22	63	20789	2.570	ug/L 96
21) 2-Butanone	7.18	43	4781	4.212	ug/L 91
22) cis-1,2-Dichloroethene	7.18	96	13749	2.552	ug/L 97
23) Bromochloromethane	7.52	128	6461	2.527	ug/L 97
25) Chloroform	7.68	83	23945	2.709	ug/L 100
27) 1,2-Dichloroethane	8.40	62	13264	2.532	ug/L 97
30) Cyclohexane	7.96	56	16845	2.513	ug/L 98
31) 1,1,1-Trichloroethane	7.88	97	20729	2.804	ug/L 98
32) Carbon tetrachloride	8.07	117	19656	2.759	ug/L 100
34) Benzene	8.32	78	51082	2.726	ug/L 100
35) Trichloroethene	9.09	95	14410	2.727	ug/L 99
36) Methylcyclohexane	9.34	83	21305	2.506	ug/L 98
40) 1,2-Dichloropropane	9.37	63	11358	2.623	ug/L 98
41) Bromodichloromethane	9.65	83	15536	2.591	ug/L 93
42) cis-1,3-Dichloropropene	10.07	75	15300	2.237	ug/L 96
43) 4-Methyl-2-pentanone	10.21	43	9097	3.592	ug/L 99
44) Toluene	10.39	91	54534	2.643	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

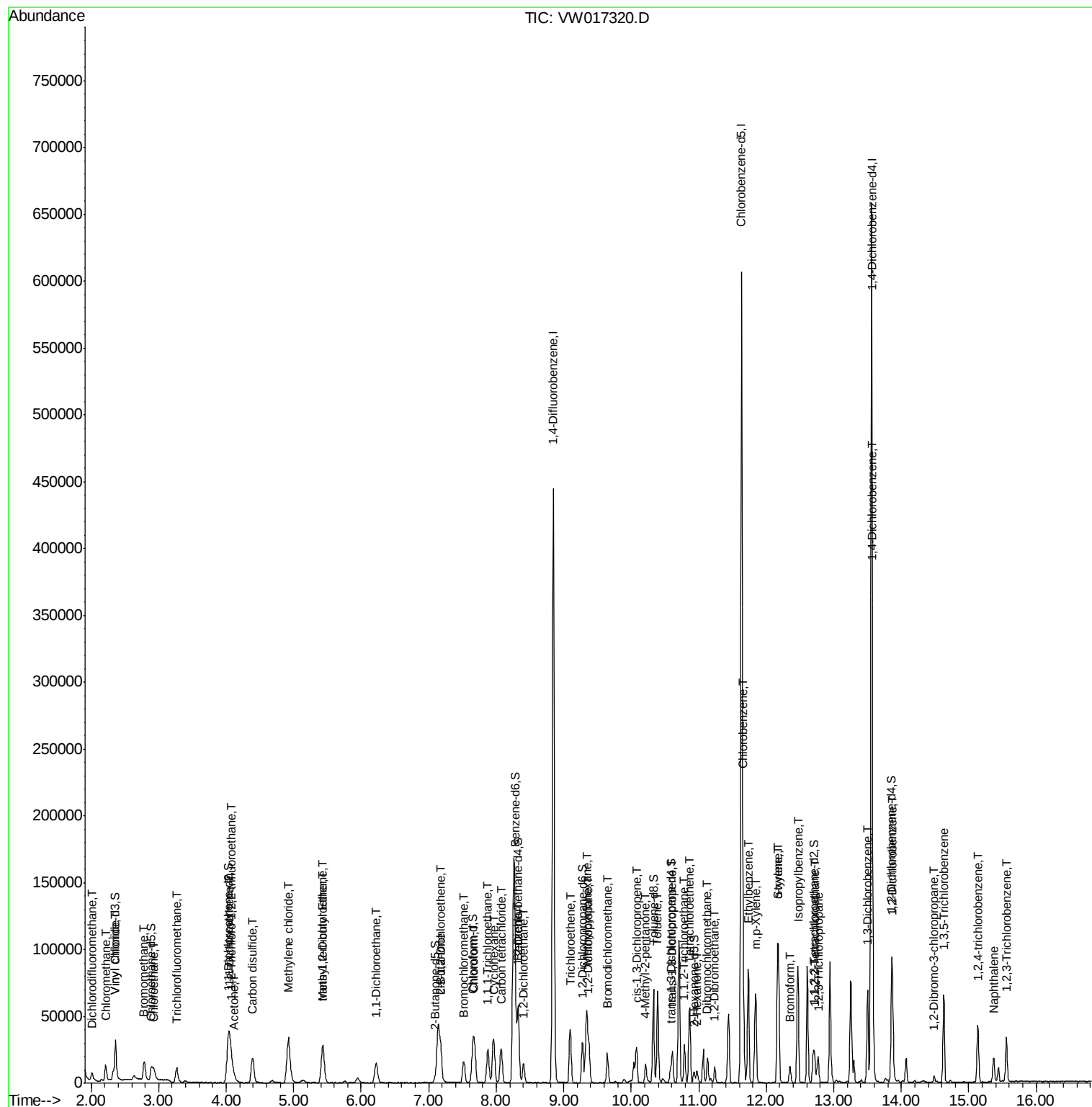
45) trans-1,3-Dichloropropene	10.61	75	13122	2.253	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	8672	2.378	ug/L	97
47) Tetrachloroethene	10.87	164	13205	2.764	ug/L	92
49) 2-Hexanone	10.98	43	5446	3.571	ug/L	96
50) Dibromochloromethane	11.13	129	10361	2.304	ug/L	100
51) 1,2-Dibromoethane	11.24	107	8014	2.268	ug/L #	97
52) Chlorobenzene	11.66	112	37047	2.666	ug/L	92
53) Ethylbenzene	11.73	91	59188	2.558	ug/L	95
54) m,p-Xylene	11.84	106	22732	2.529	ug/L	86
55) o-xylene	12.17	106	21137	2.486	ug/L	100
56) Styrene	12.18	104	33241	2.337	ug/L	99
57) Isopropylbenzene	12.47	105	57894	2.500	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9142	2.213	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	6743	2.276	ug/L #	83
62) Bromoform	12.35	173	5570	2.121	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	29302	2.649	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	29195	2.637	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	25882	2.640	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	1344	2.156	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	21079	2.598	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	14641	2.298	ug/L	94
69) Naphthalene	15.37	128	16881	1.523	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	12512	2.180	ug/L	97

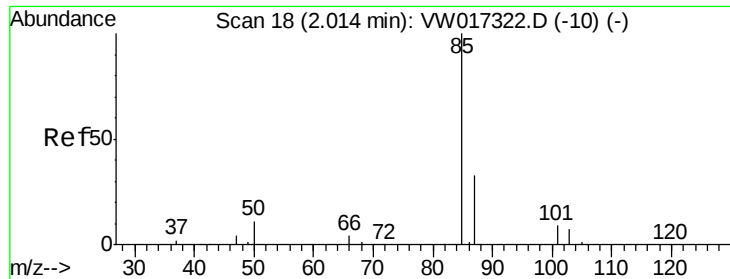
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.082 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

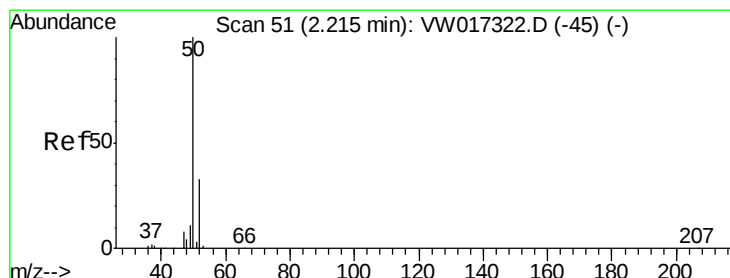
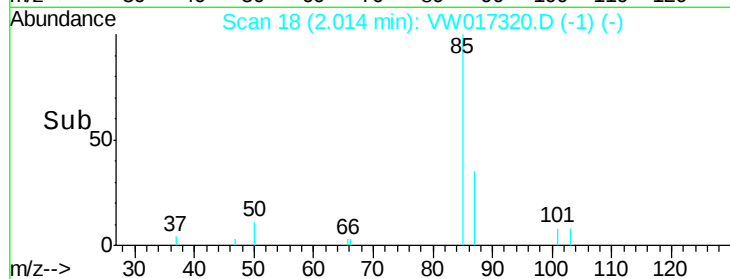
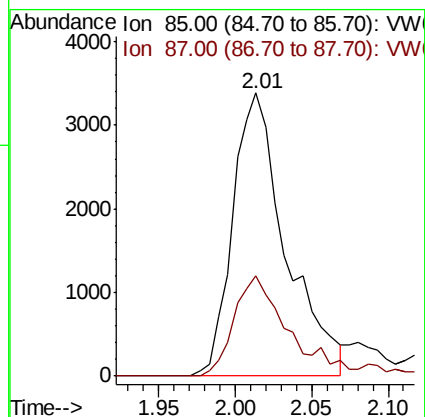
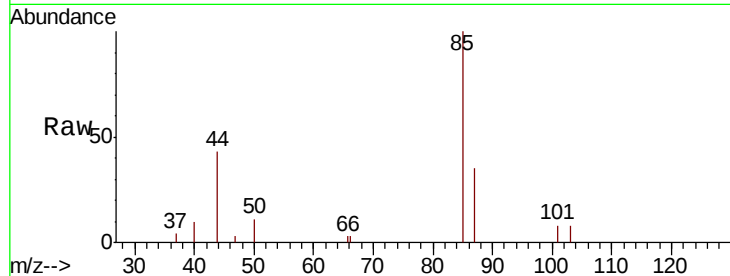
VSTD2.505

Tot Ion: 85 Resp: 8137

Ion Ratio Lower Upper

85 100

87 32.4 21.8 40.4



#3

Chloromethane

Concen: 2.952 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017320.D

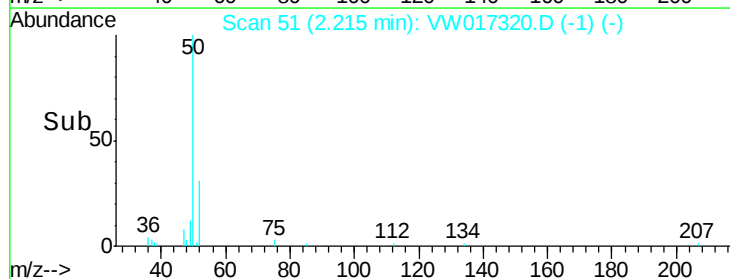
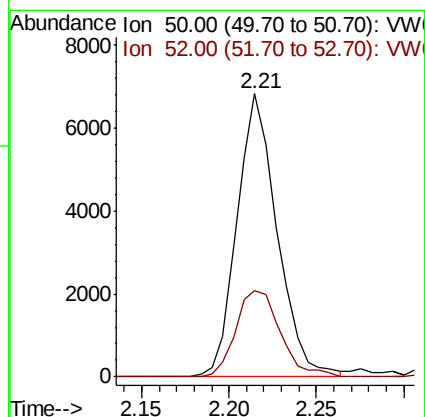
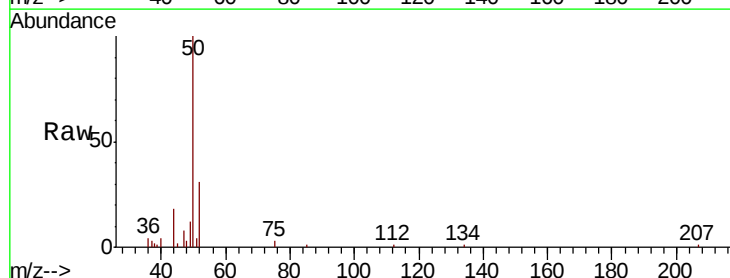
Acq: 18 Nov 2020 11:22

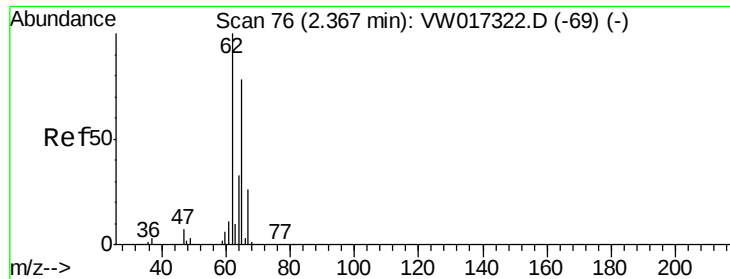
Tgt Ion: 50 Resp: 10895

Ion Ratio Lower Upper

50 100

52 30.7 23.2 43.0





#5

Vinyl chloride

Concen: 2.824 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

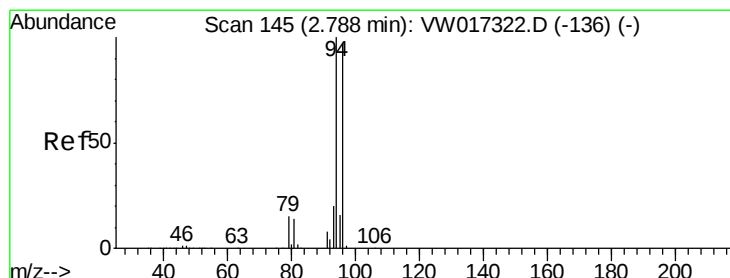
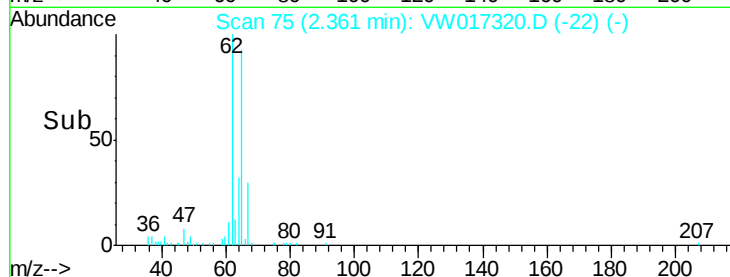
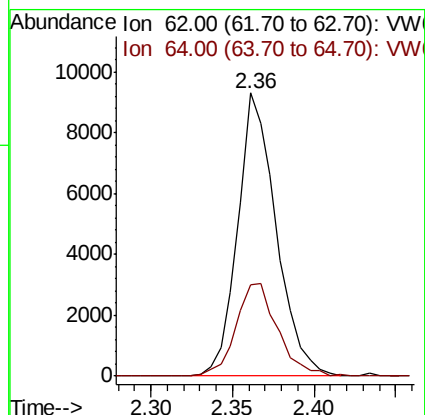
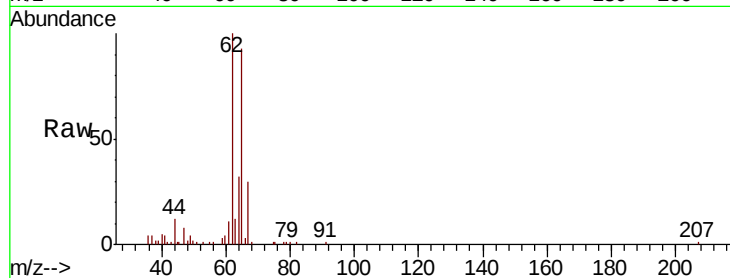
VSTD2.505

Tot Ion: 62 Resp: 15270

Ion Ratio Lower Upper

62 100

64 32.5 23.4 43.4



#6

Bromomethane

Concen: 2.978 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017320.D

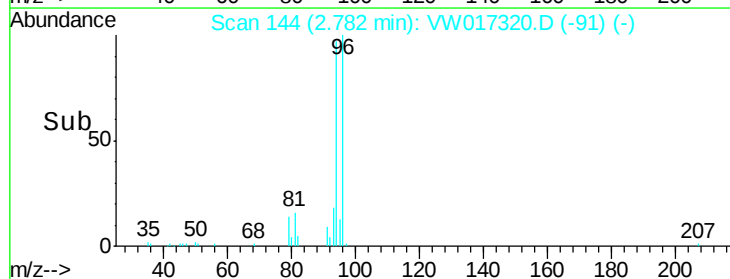
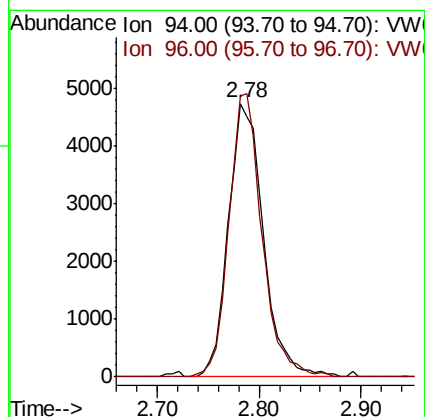
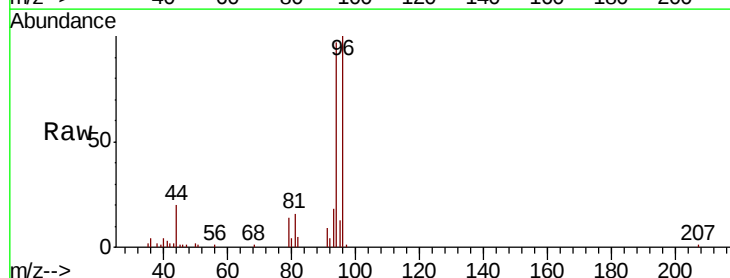
Acq: 18 Nov 2020 11:22

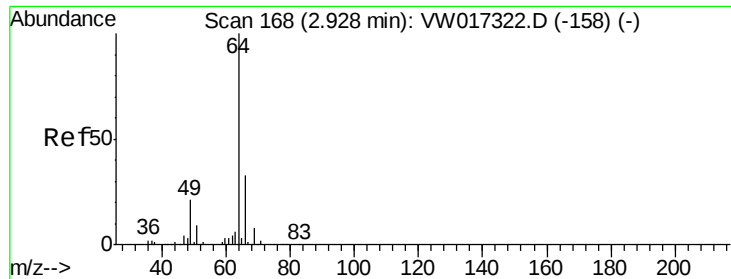
Tgt Ion: 94 Resp: 11282

Ion Ratio Lower Upper

94 100

96 97.3 9.4 178.6

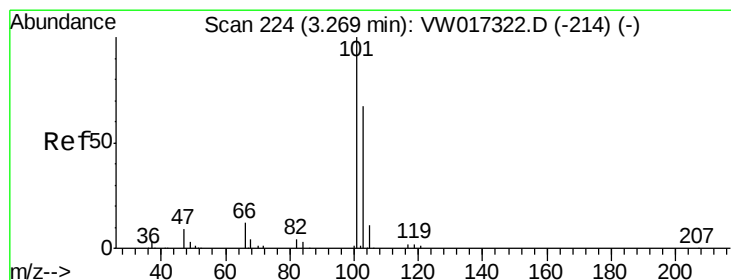
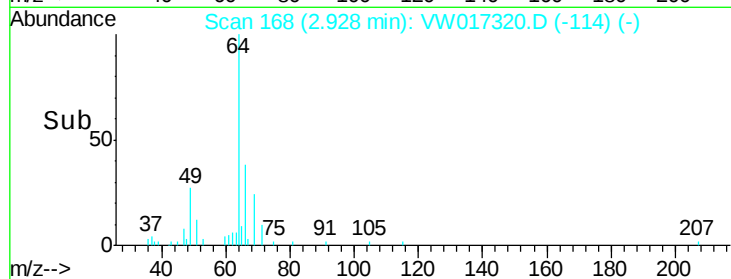
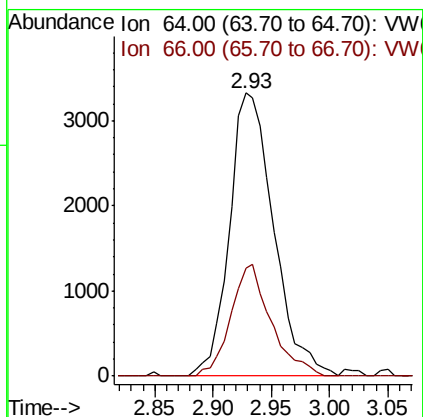
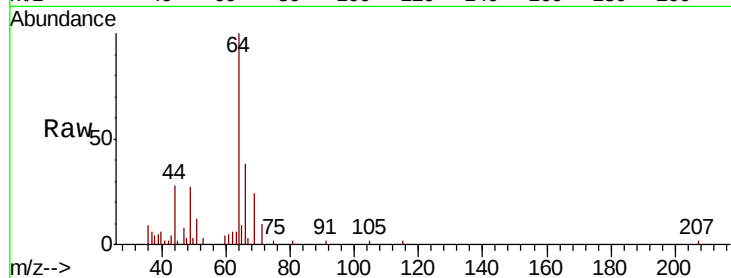




#8
Chloroethane
Concen: 2.679 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

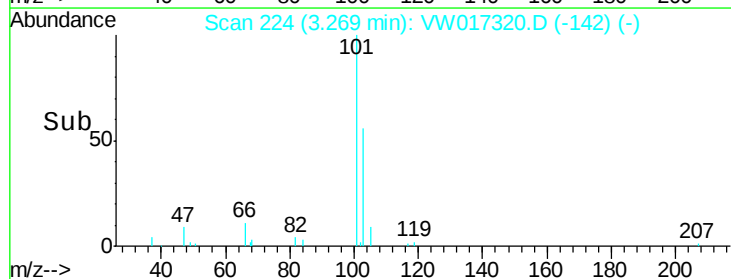
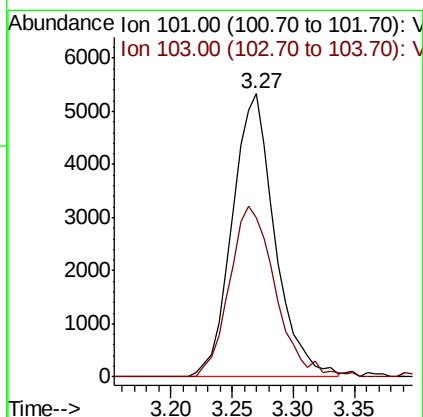
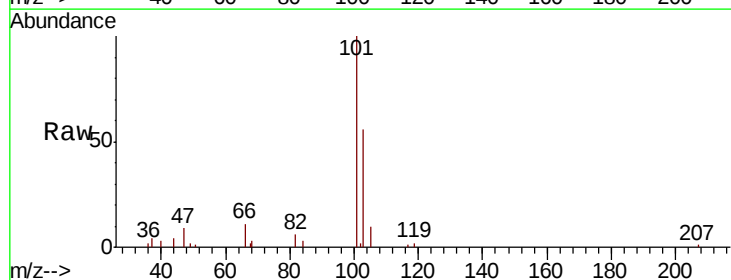
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

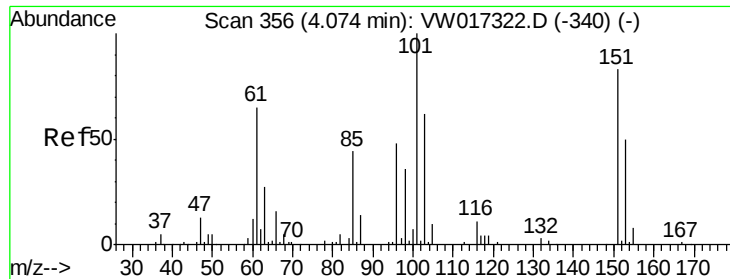
Tot Ion: 64 Resp: 8793
Ion Ratio Lower Upper
64 100
66 38.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 2.901 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Tgt Ion: 101 Resp: 12873
Ion Ratio Lower Upper
101 100
103 63.0 45.8 85.2





#11

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

Concen: 2.702 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

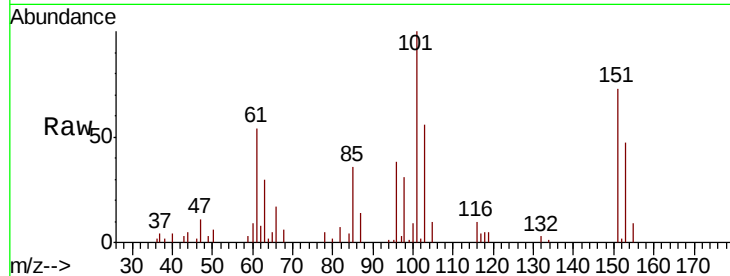
Tot Ion:101 Resp: 13872

Ion Ratio Lower Upper

101 100

85 40.0 34.6 51.8

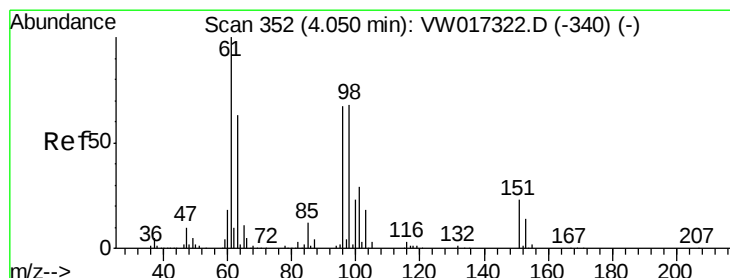
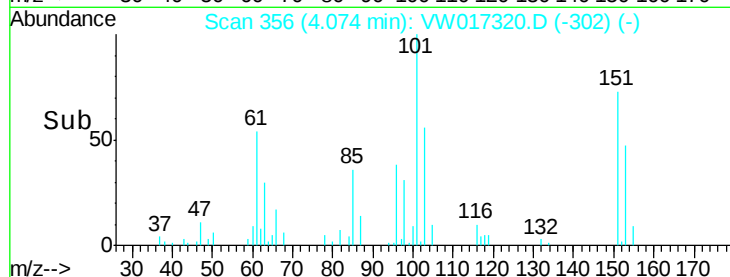
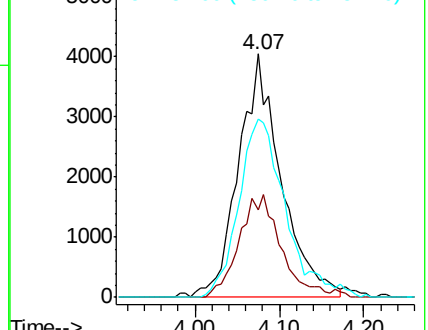
151 74.5 66.3 99.5



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: 2.661 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

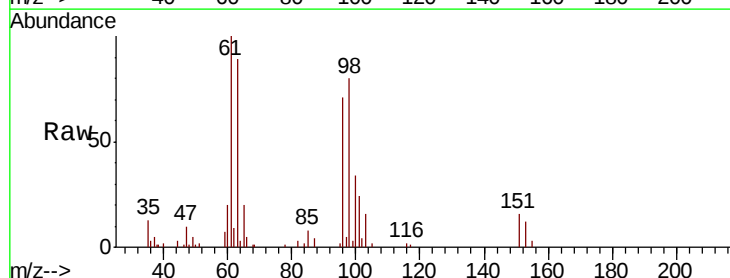
Tgt Ion: 96 Resp: 13169

Ion Ratio Lower Upper

96 100

61 141.5 104.7 194.4

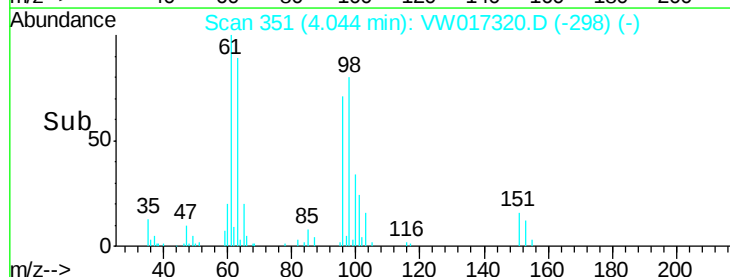
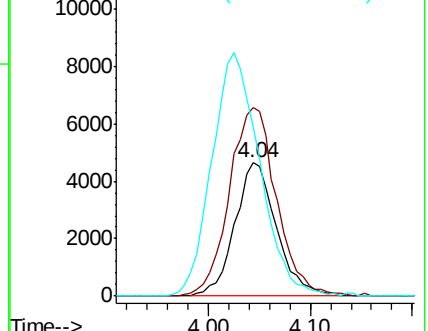
63 126.5 69.6 129.2

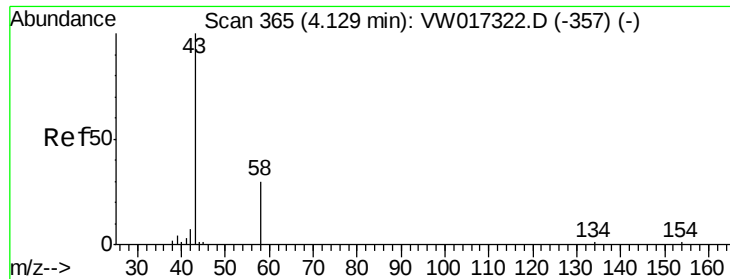


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.825 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

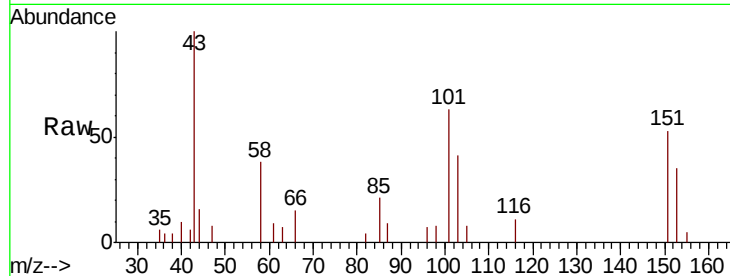
VSTD2.505

Tot Ion: 43 Resp: 3441

Ion Ratio Lower Upper

43 100

58 26.3 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

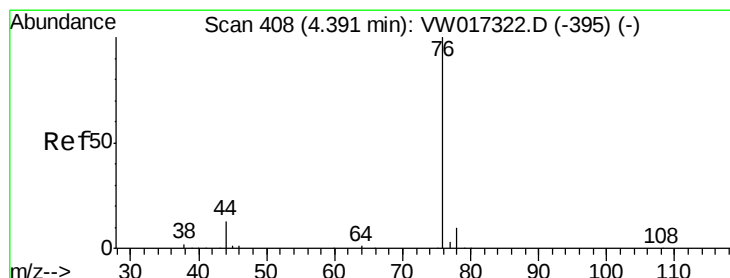
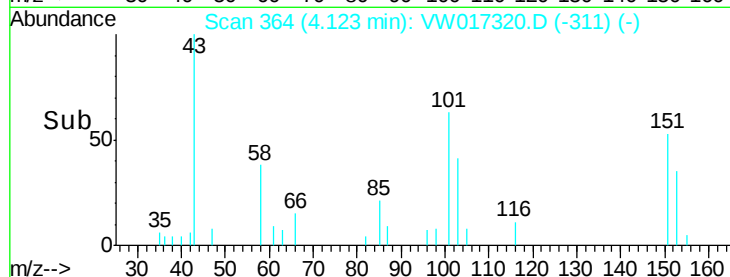
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 2.759 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017320.D

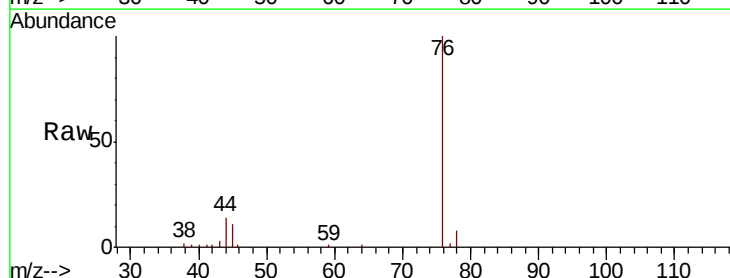
Acq: 18 Nov 2020 11:22

Tgt Ion: 76 Resp: 37964

Ion Ratio Lower Upper

76 100

78 8.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

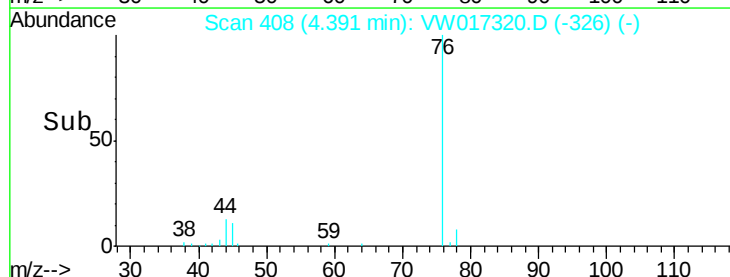
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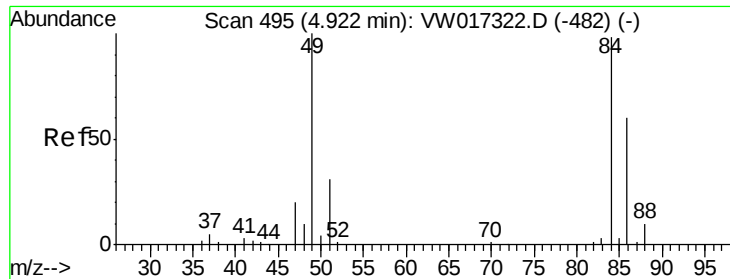
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5000

0

Time-->

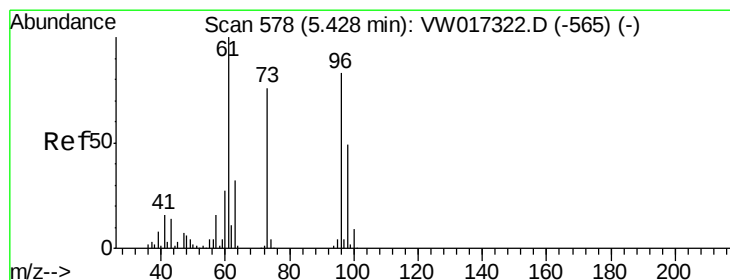
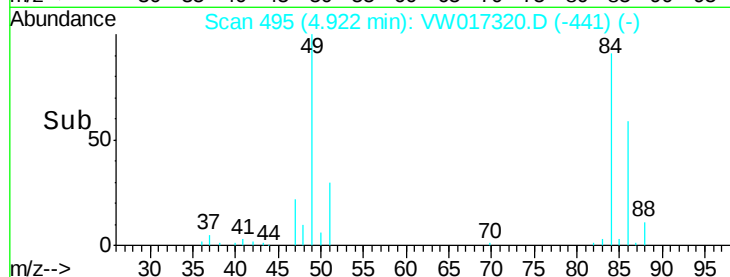
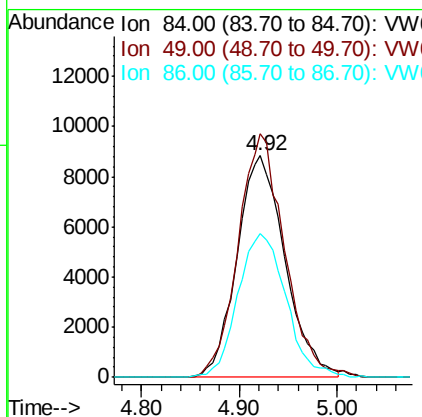
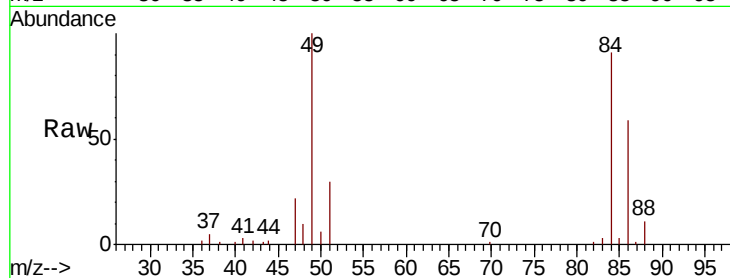




#16
Methylene chloride
Concen: 5.468 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

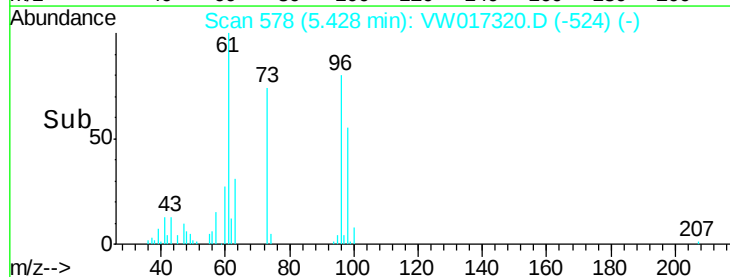
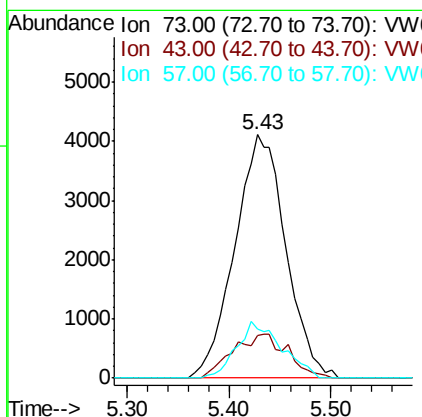
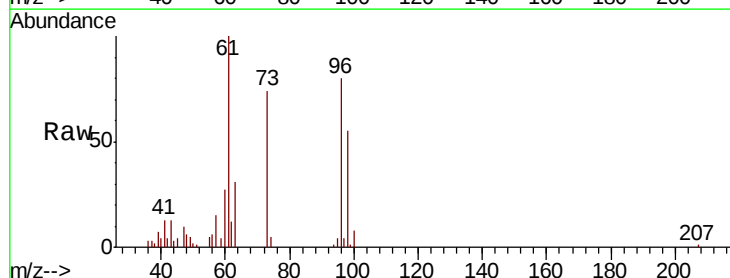
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

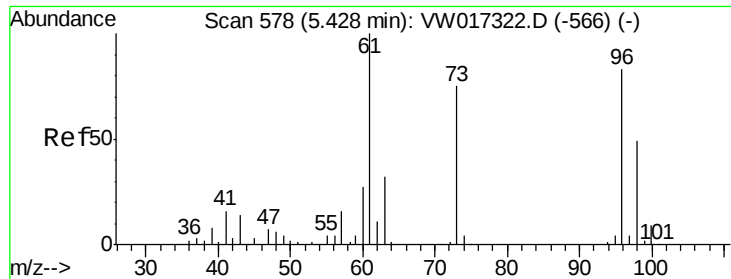
Tot Ion: 84 Resp: 30138
Ion Ratio Lower Upper
84 100
49 109.8 71.5 132.9
86 65.0 42.8 79.4



#17
Methyl tert-butyl Ether
Concen: 2.409 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Tgt Ion: 73 Resp: 14267
Ion Ratio Lower Upper
73 100
43 8.1 15.7 23.5#
57 12.1 16.3 24.5#

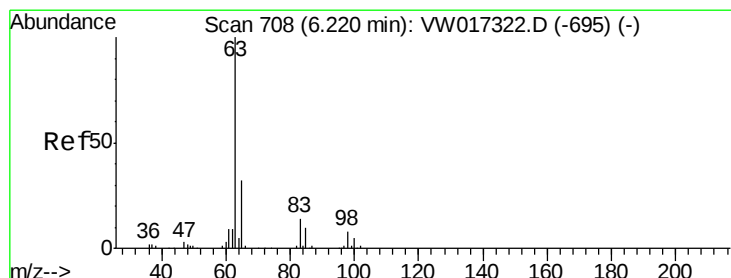
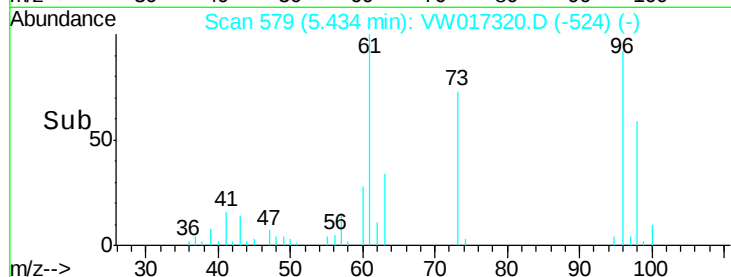
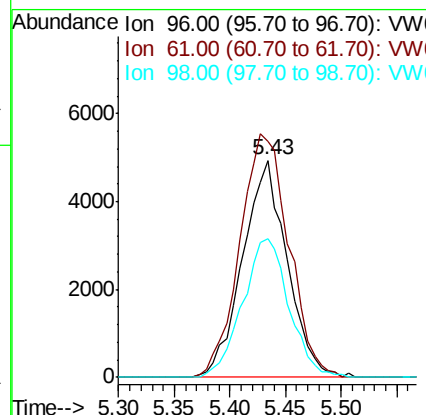
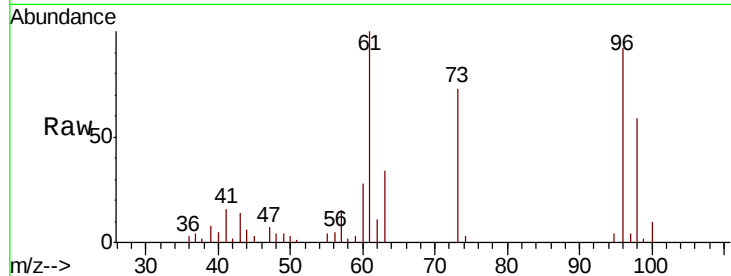




#18
 trans-1,2-Dichloroethene
 Concen: 2.651 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

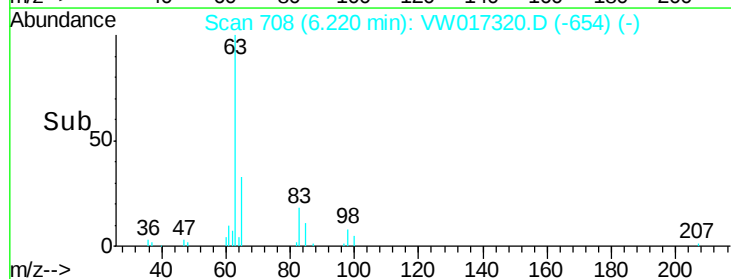
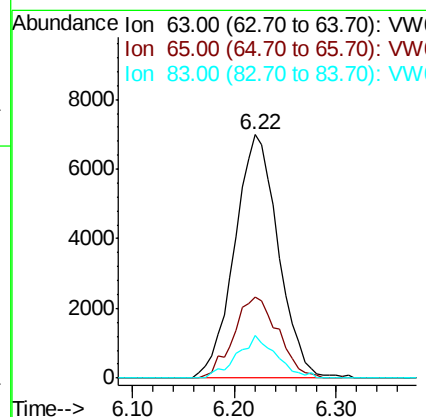
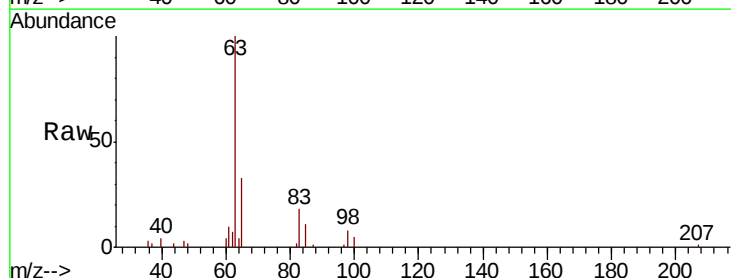
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

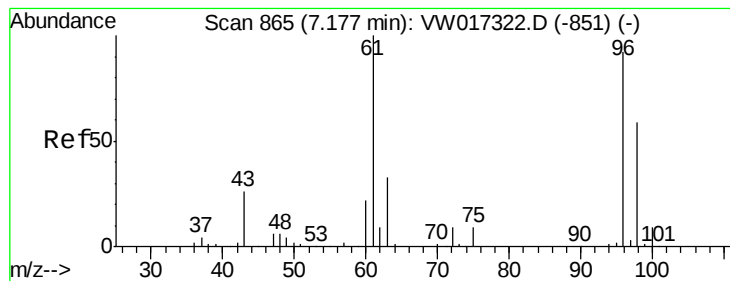
Tot Ion: 96 Resp: 13695
 Ion Ratio Lower Upper
 96 100
 61 108.3 84.3 156.5
 98 63.5 41.5 77.1



#19
 1,1-Dichloroethane
 Concen: 2.570 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

Tgt Ion: 63 Resp: 20789
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.3 41.5
 83 17.7 10.1 18.7





#21

2-Butanone

Concen: 4.212 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

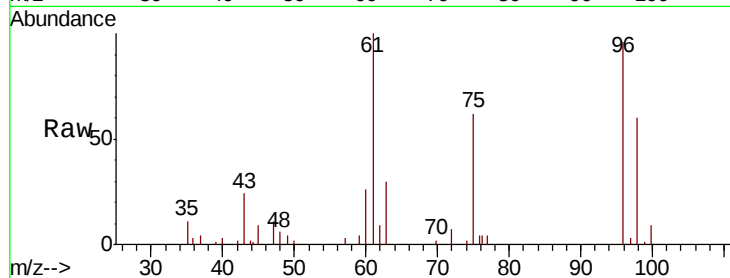
VSTD2.505

Tot Ion: 43 Resp: 4781

Ion Ratio Lower Upper

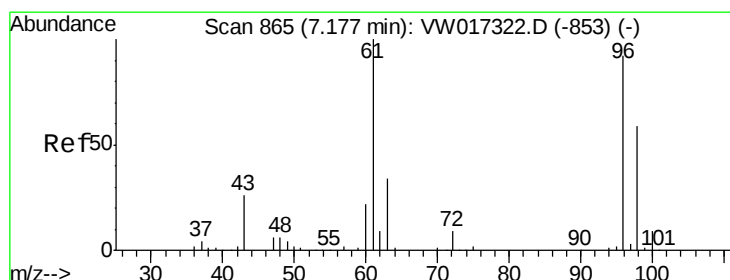
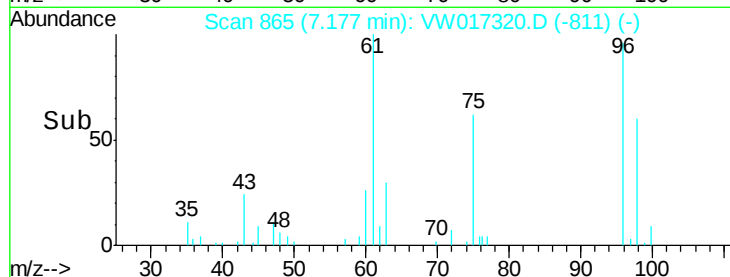
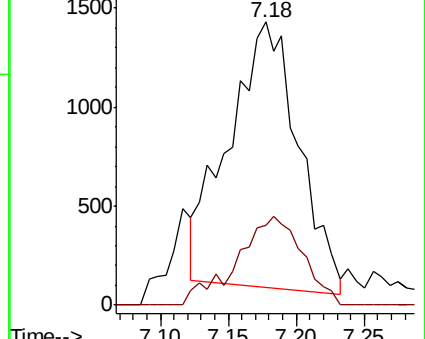
43 100

72 27.5 16.4 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 2.552 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

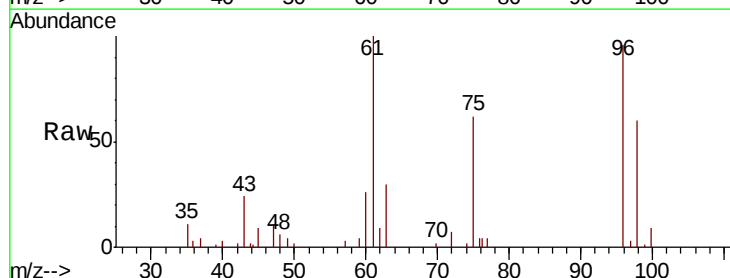
Tgt Ion: 96 Resp: 13749

Ion Ratio Lower Upper

96 100

61 104.6 76.1 141.3

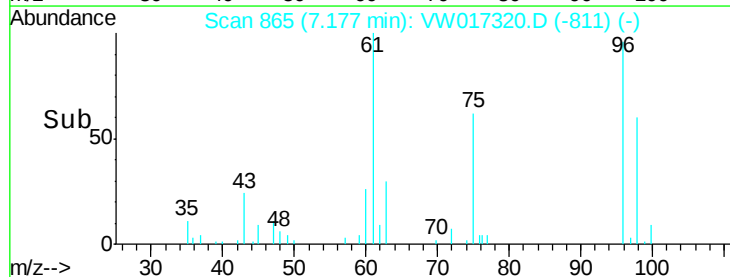
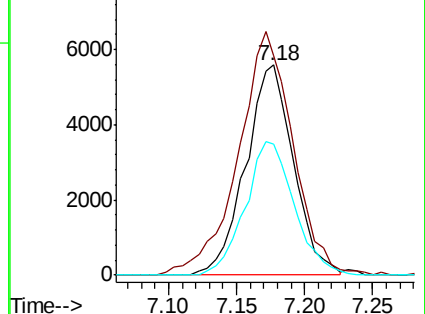
98 62.4 44.7 82.9

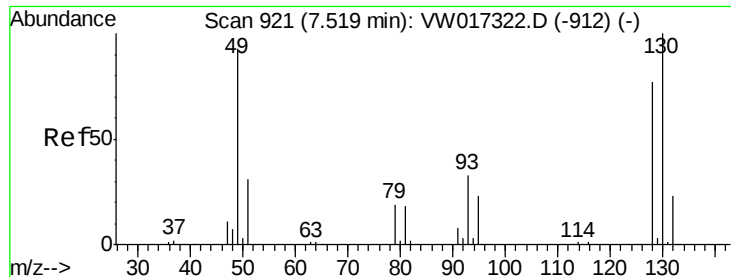


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 2.527 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tot Ion:128 Resp: 6461

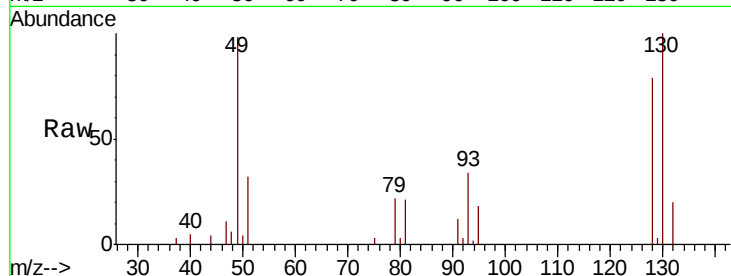
Ion Ratio Lower Upper

128 100

49 125.3 85.5 158.7

130 127.3 91.5 169.9

51 41.3 32.8 49.2



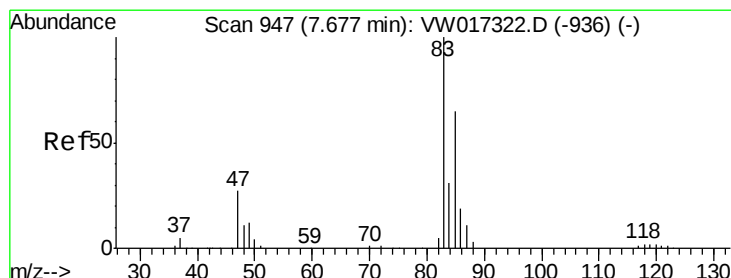
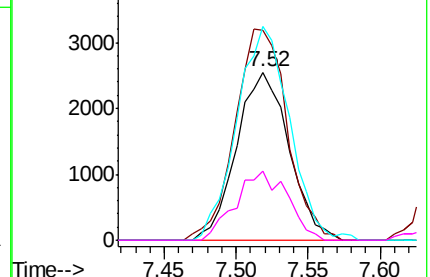
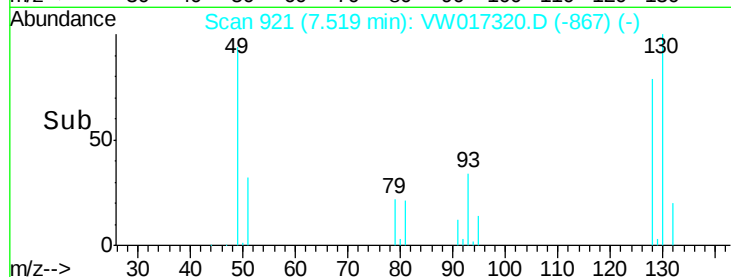
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): V

Time-->



#25

Chloroform

Concen: 2.709 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017320.D

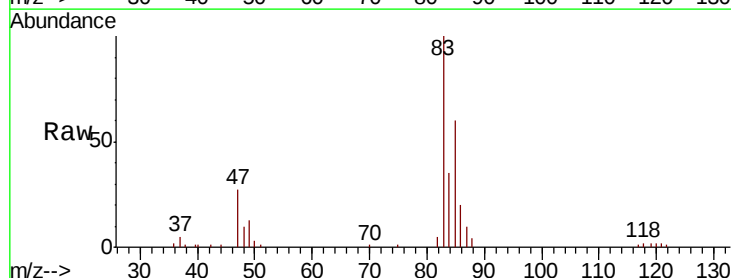
Acq: 18 Nov 2020 11:22

Tgt Ion: 83 Resp: 23945

Ion Ratio Lower Upper

83 100

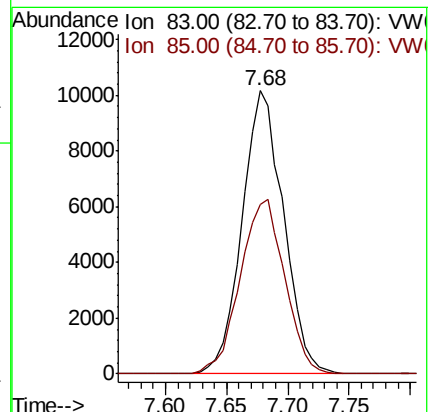
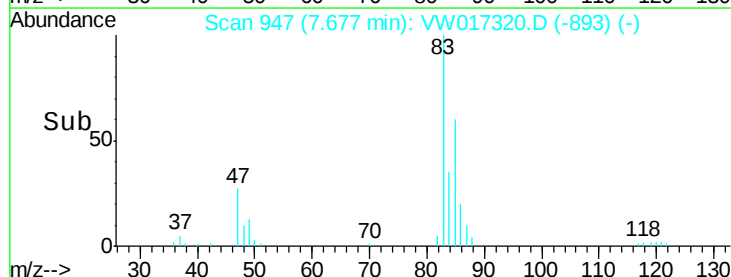
85 66.1 46.1 85.5

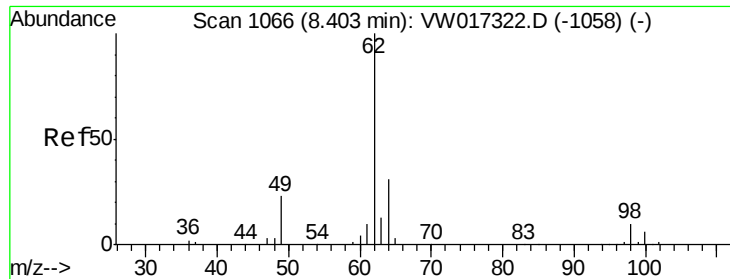


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Time-->

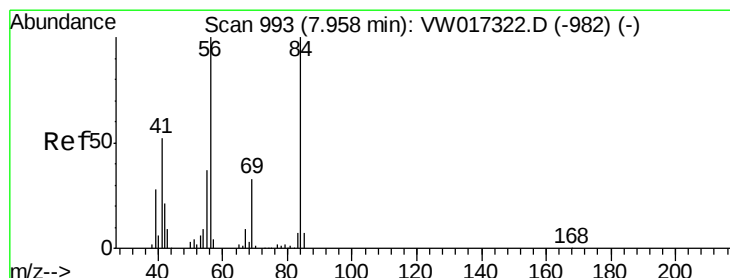
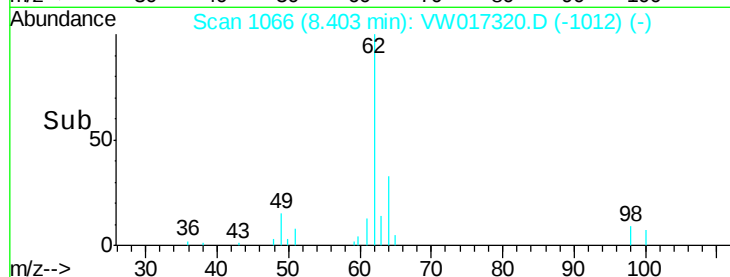
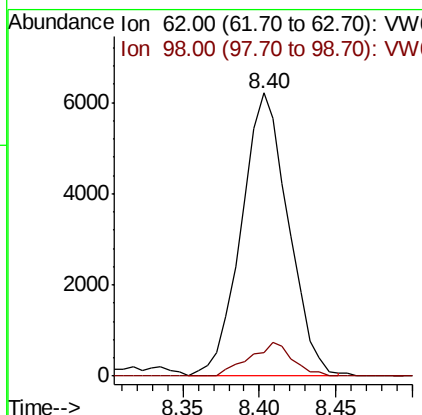
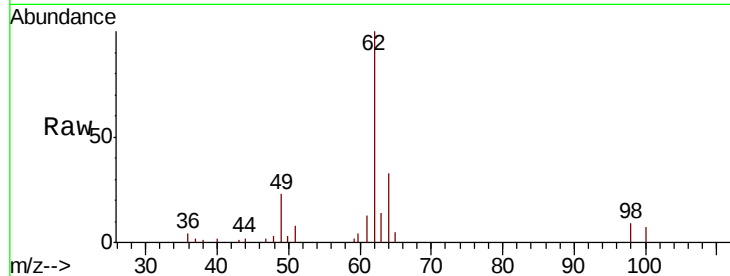




#27
 1,2-Dichloroethane
 Concen: 2.532 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

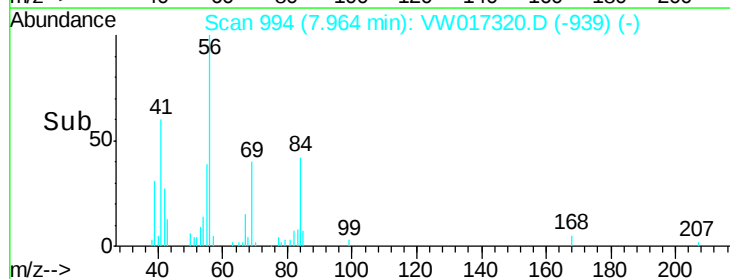
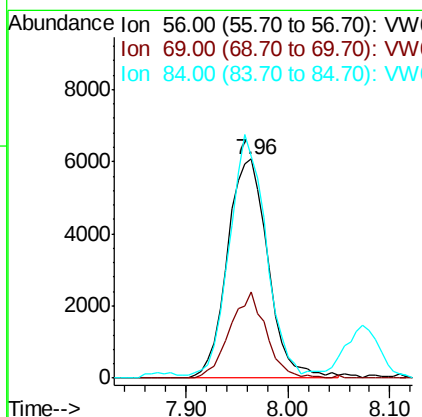
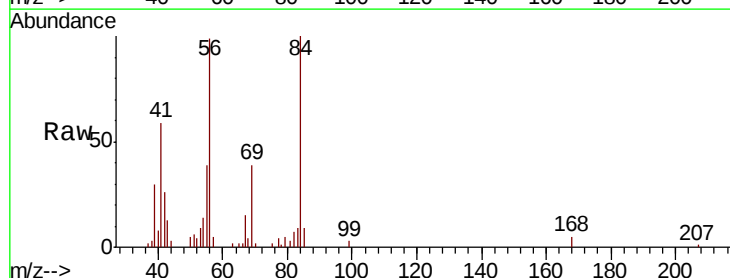
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

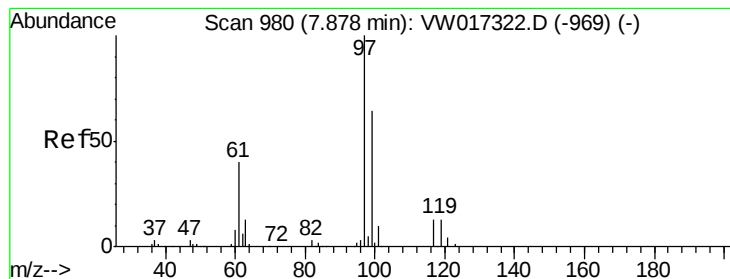
Tot Ion: 62 Resp: 13264
 Ion Ratio Lower Upper
 62 100
 98 8.5 7.7 11.5



#30
 Cyclohexane
 Concen: 2.513 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

Tgt Ion: 56 Resp: 16845
 Ion Ratio Lower Upper
 56 100
 69 34.5 27.0 40.6
 84 100.2 82.2 123.4





#31

1,1,1-Trichloroethane

Concen: 2.804 ug/L

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

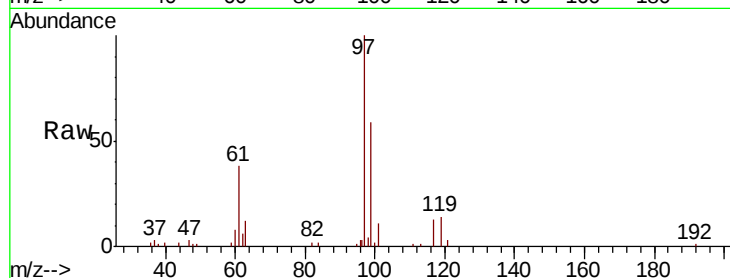
Tot Ion: 97 Resp: 20729

Ion Ratio Lower Upper

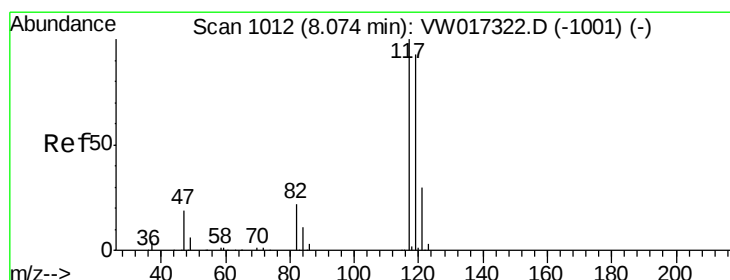
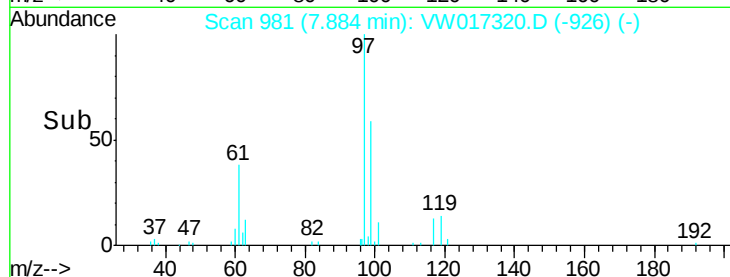
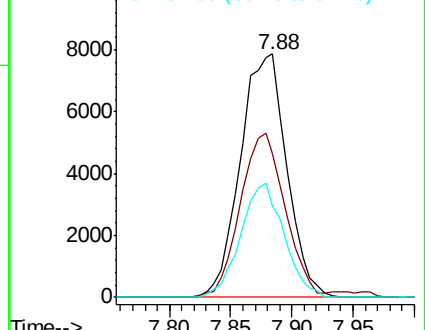
97 100

99 65.2 51.4 77.2

61 43.6 32.7 49.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.759 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017320.D

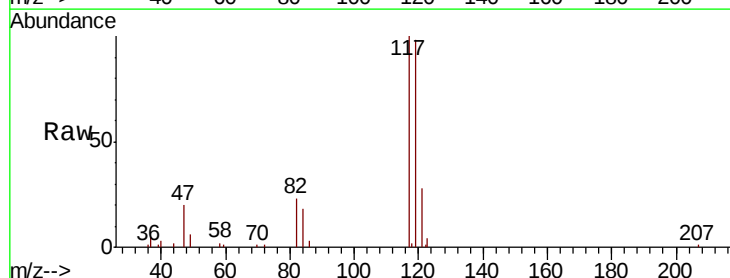
Acq: 18 Nov 2020 11:22

Tgt Ion: 117 Resp: 19656

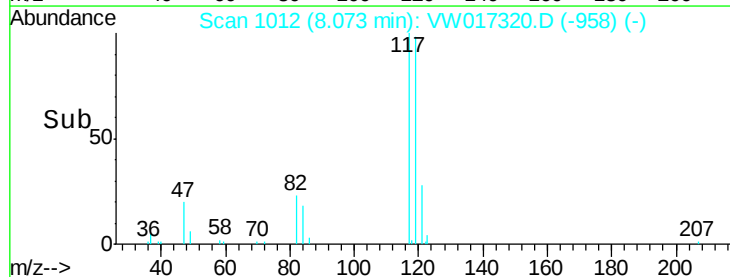
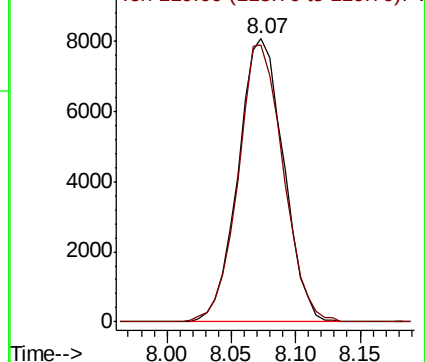
Ion Ratio Lower Upper

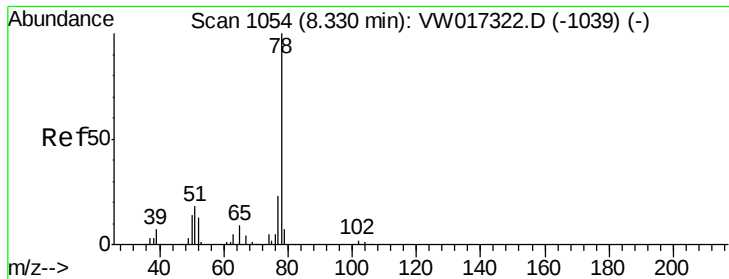
117 100

119 97.6 77.8 116.6



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





#34

Benzene

Concen: 2.726 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

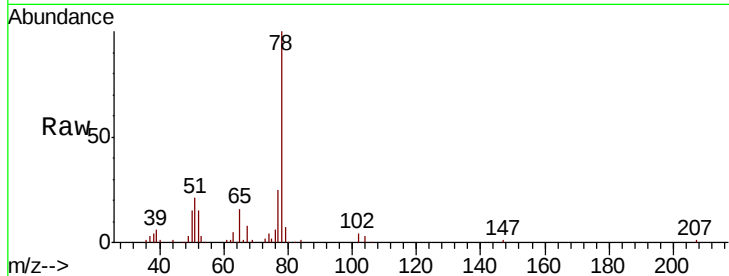
Instrument :

MSVOA_W

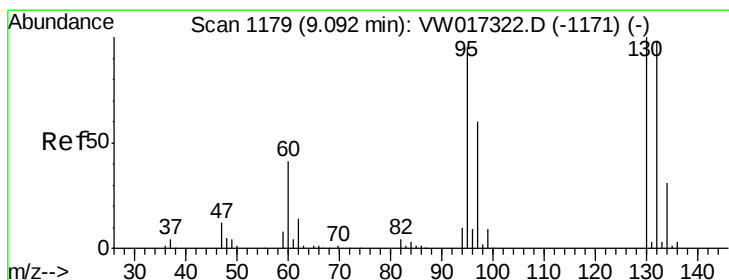
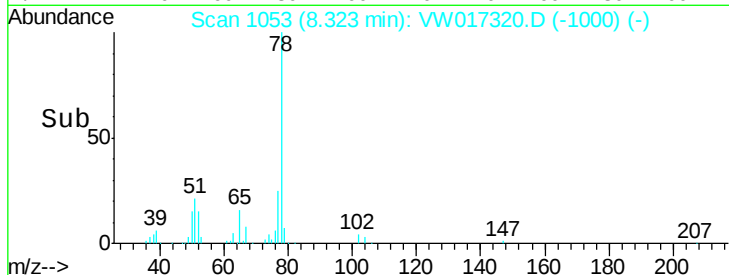
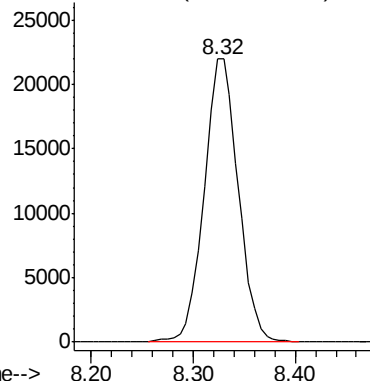
ClientSampleId :

VSTD2.505

Tgt Ion: 78 Resp: 51082



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.727 ug/L

RT: 9.09 min Scan# 1179

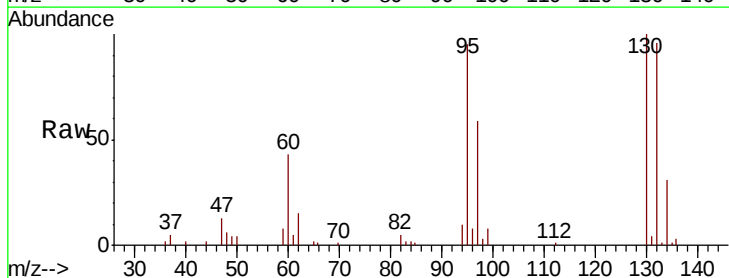
Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Tgt Ion: 95 Resp: 14410

Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.7	82.9
132	105.8	72.7	134.9
130	107.1	76.1	141.3

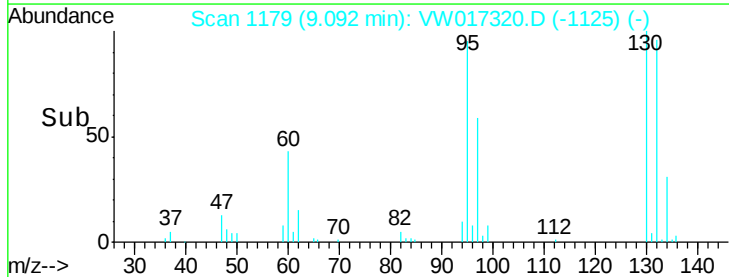
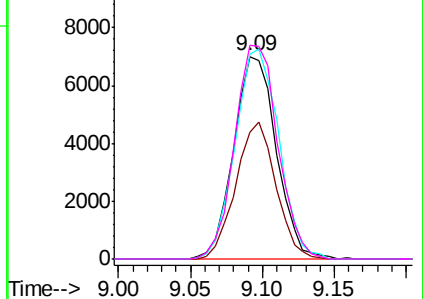


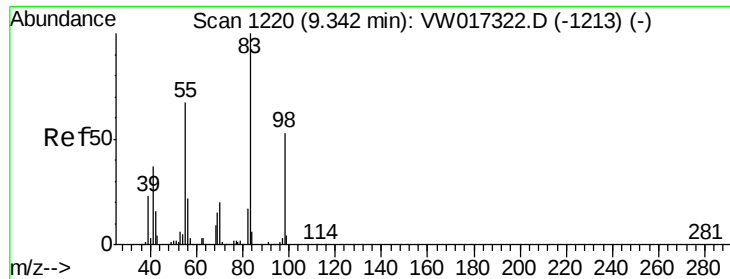
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

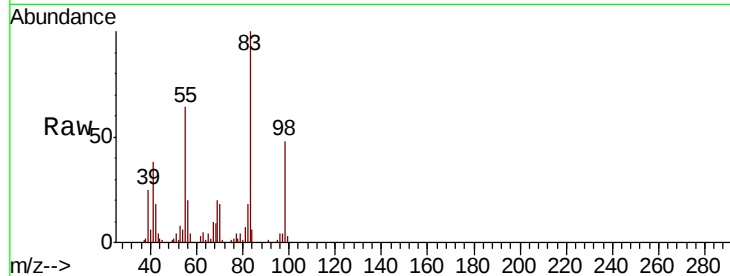




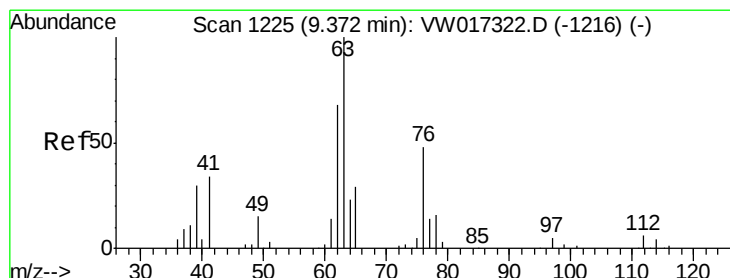
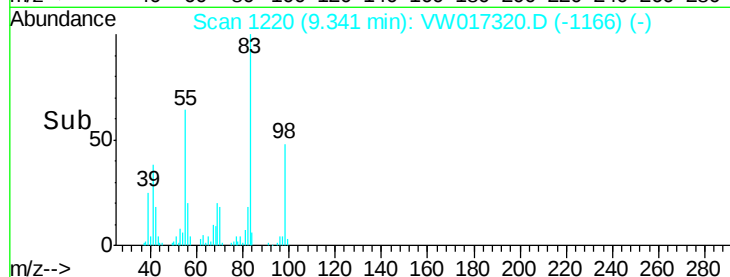
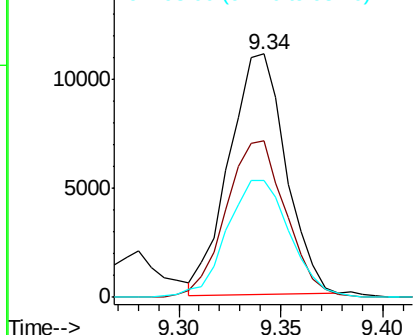
#36
Methvlcvclohexane
Concen: 2.506 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Tot Ion: 83 Resp: 21305
Ion Ratio Lower Upper
83 100
55 68.7 54.6 81.8
98 54.0 41.5 62.3

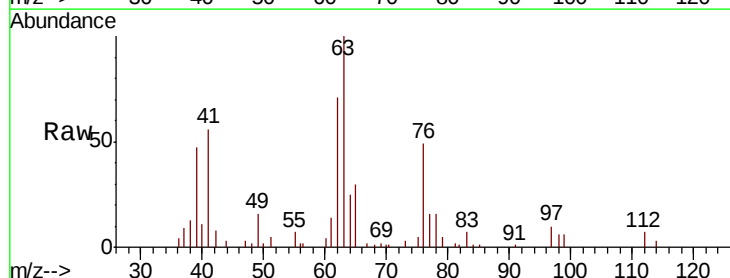


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

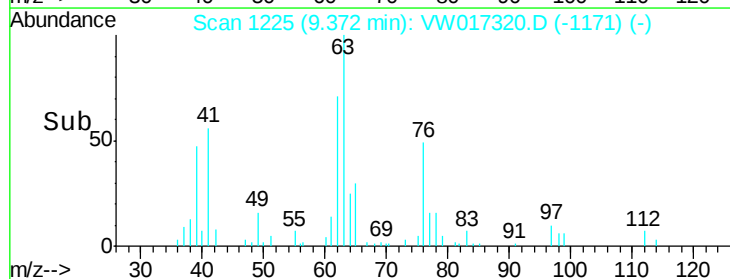
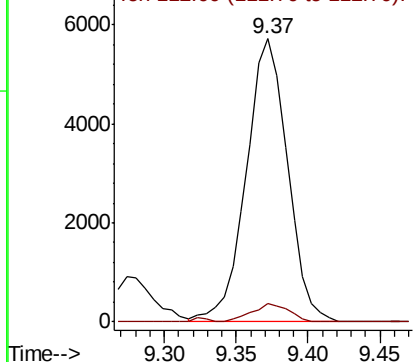


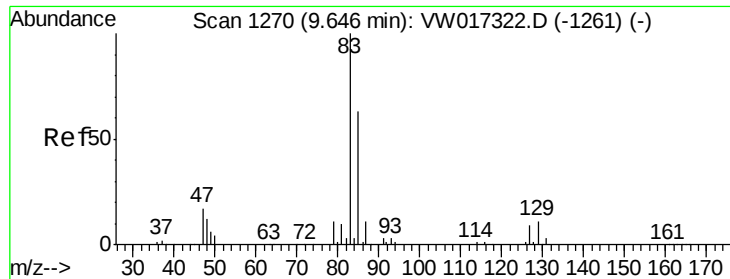
#40
1,2-Dichloropropane
Concen: 2.623 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Tgt Ion: 63 Resp: 11358
Ion Ratio Lower Upper
63 100
112 5.8 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 2.591 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

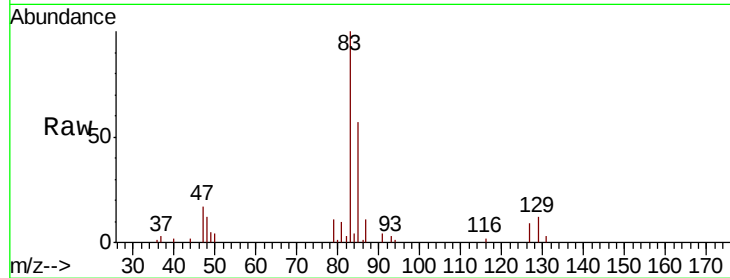
Tot Ion: 83 Resp: 15536

Ion Ratio Lower Upper

83 100

85 56.6 44.1 81.9

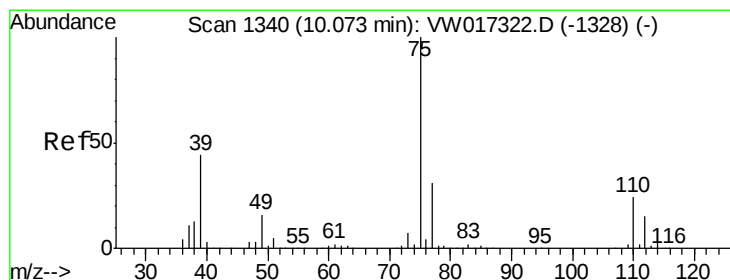
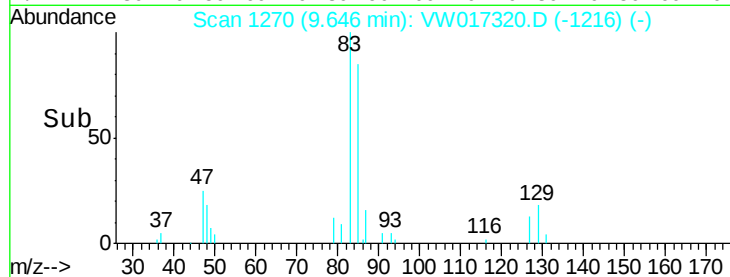
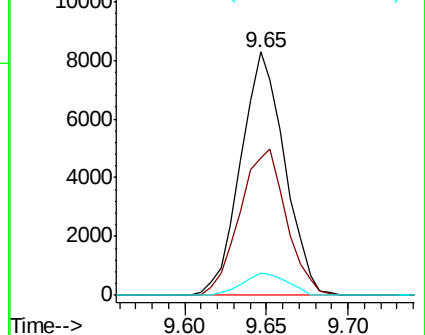
127 9.0 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 2.237 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017320.D

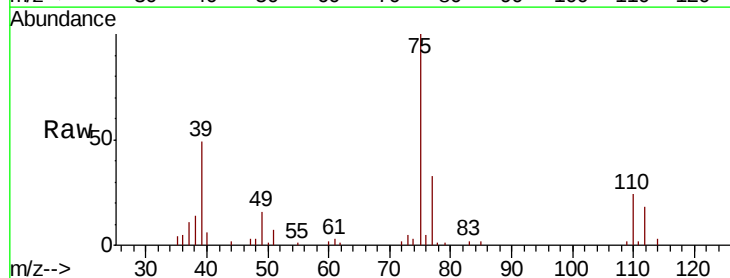
Acq: 18 Nov 2020 11:22

Tgt Ion: 75 Resp: 15300

Ion Ratio Lower Upper

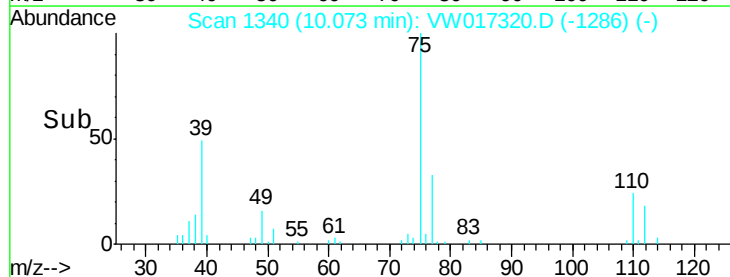
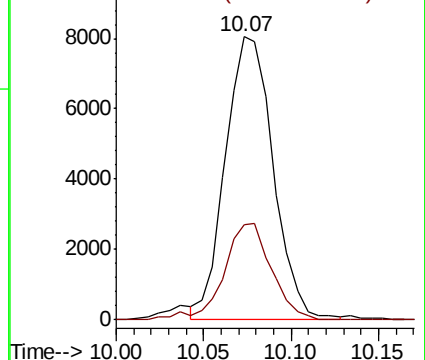
75 100

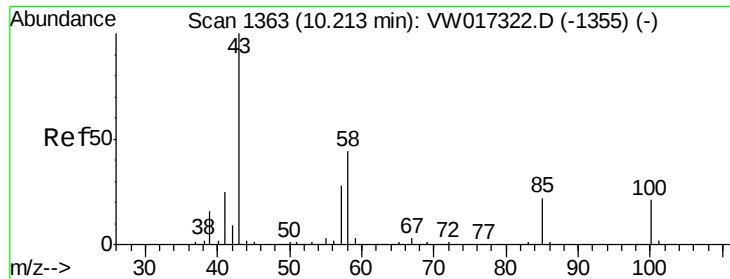
77 33.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

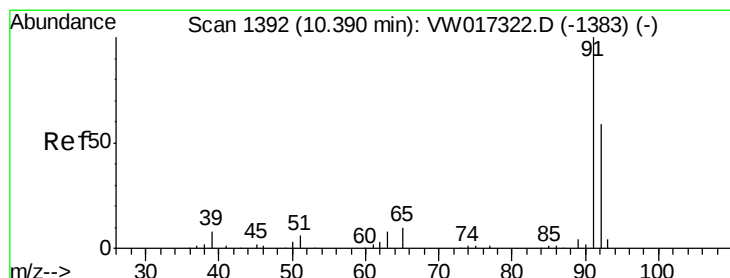
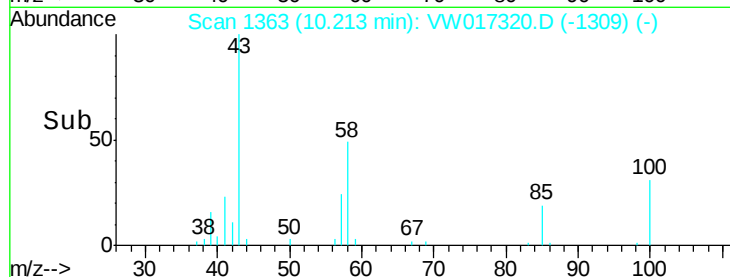
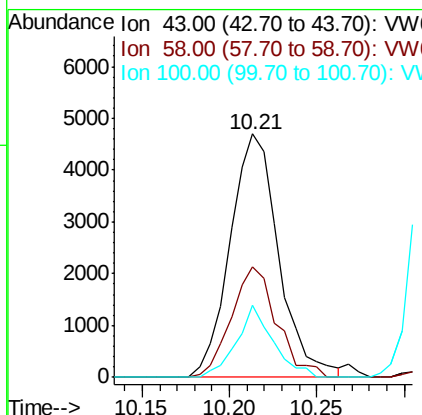
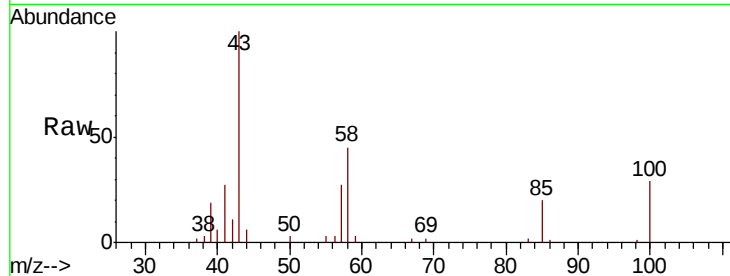




#43
4-Methyl-2-pentanone
Concen: 3.592 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

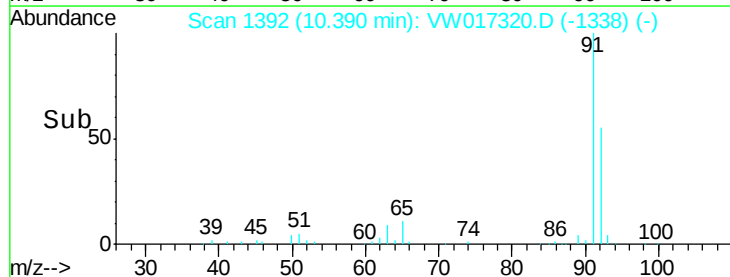
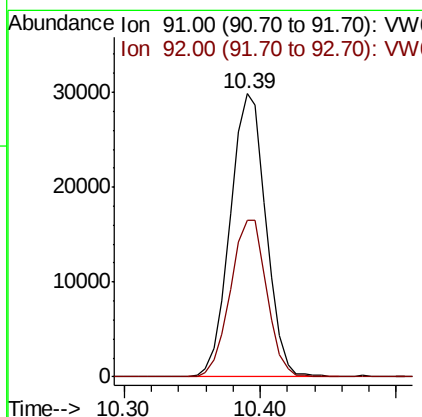
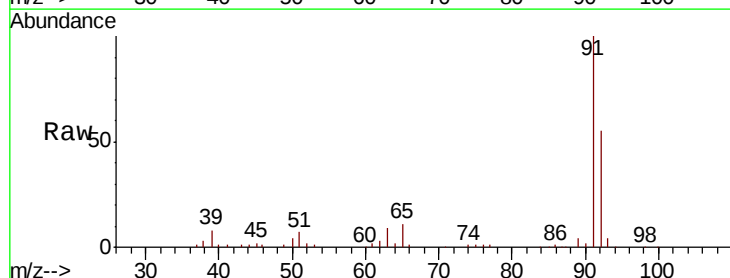
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

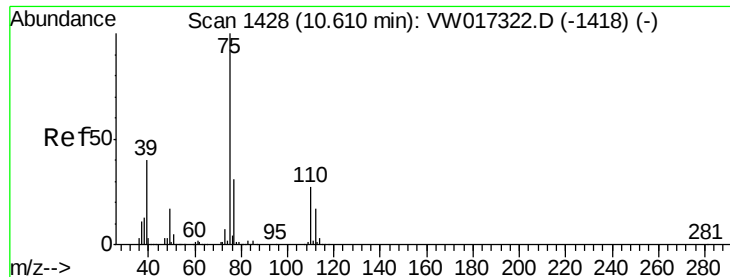
Tot Ion: 43 Resp: 9097
Ion Ratio Lower Upper
43 100
58 41.9 33.4 50.2
100 22.2 16.3 24.5



#44
Toluene
Concen: 2.643 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Tgt Ion: 91 Resp: 54534
Ion Ratio Lower Upper
91 100
92 55.1 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 2.253 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

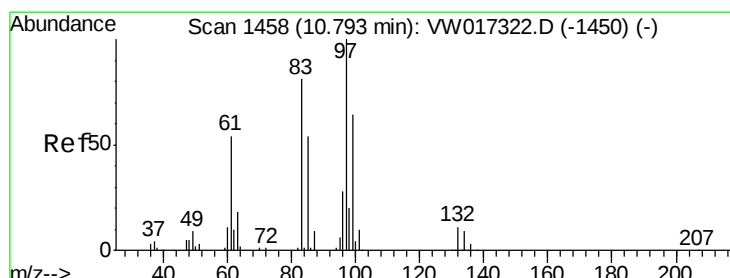
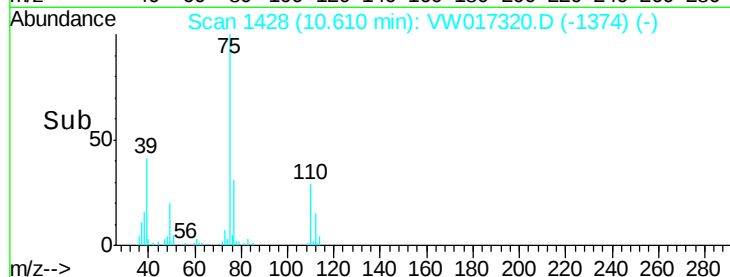
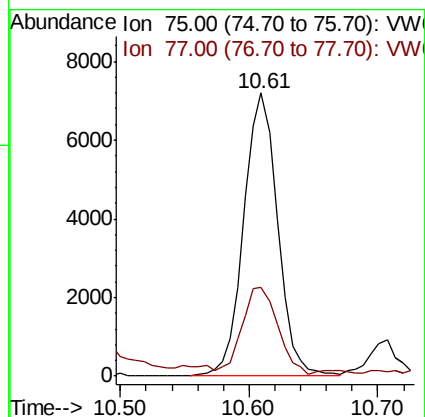
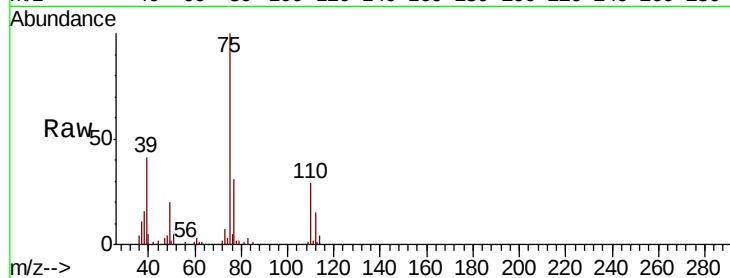
VSTD2.505

Tot Ion: 75 Resp: 13122

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



#46

1,1,2-Trichloroethane

Concen: 2.378 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Tgt Ion: 97 Resp: 8672

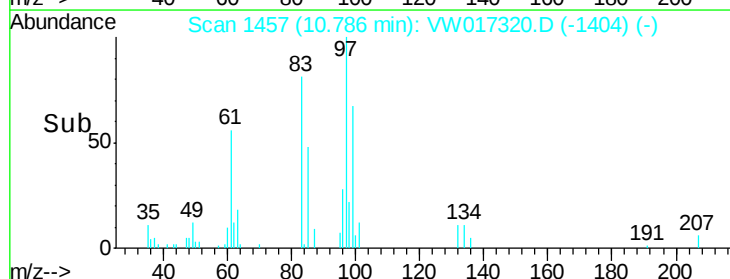
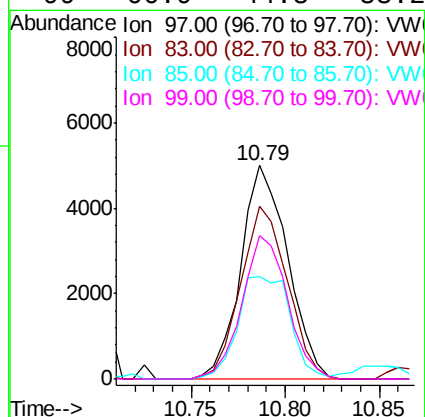
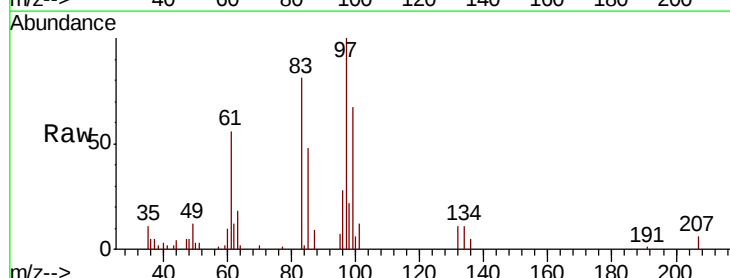
Ion Ratio Lower Upper

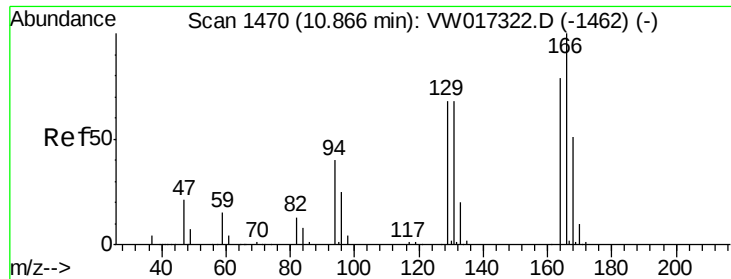
97 100

83 81.1 56.6 105.2

85 48.0 37.7 69.9

99 66.9 44.8 83.2

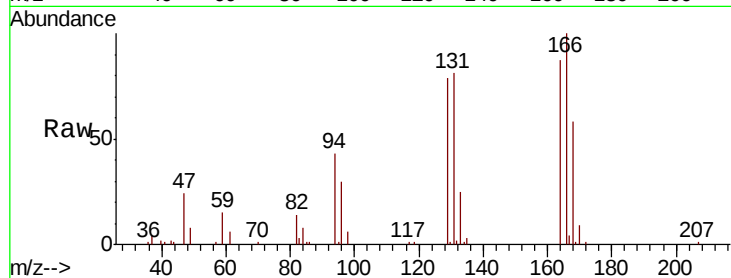




#47
Tetrachloroethene
Concen: 2.764 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Tot Ion	Ratio	Lower	Upper
164	100		
129	91.0	60.6	112.6
131	93.4	60.4	112.2
166	115.2	88.6	164.6

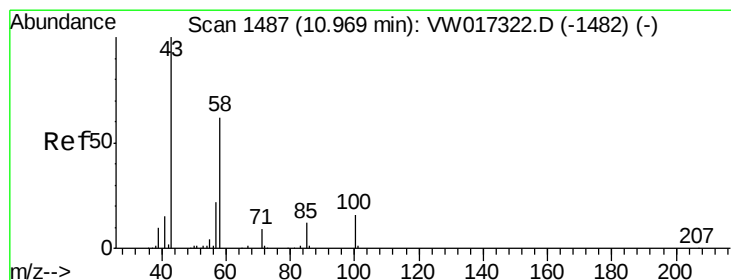
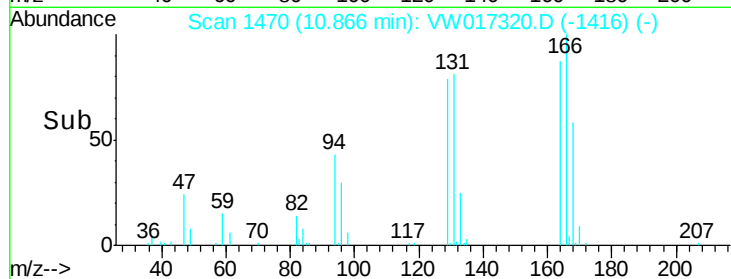
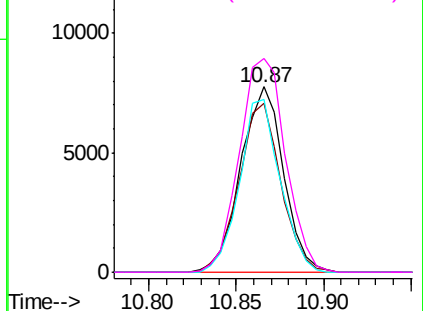


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.571 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

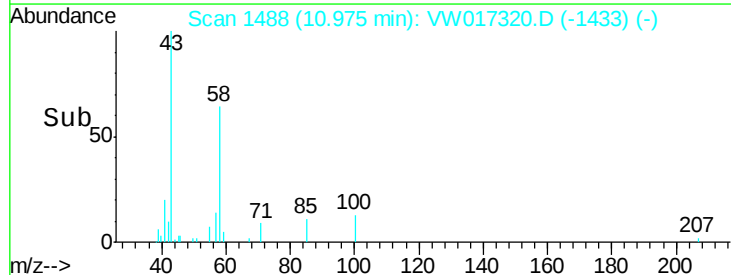
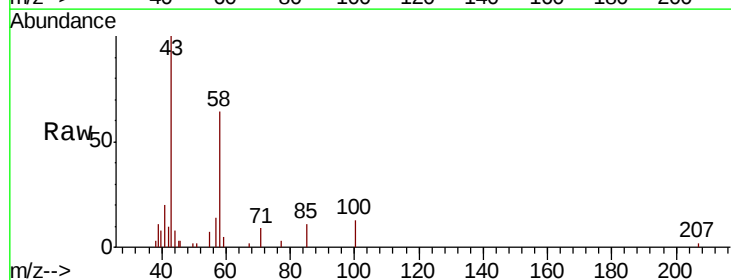
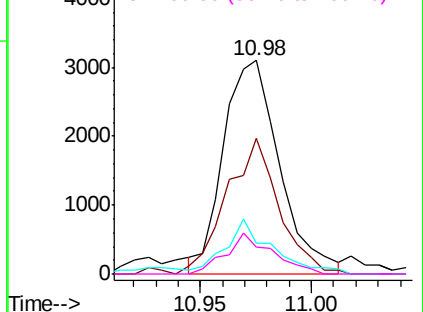
Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.3	49.4	74.0
57	17.4	17.0	25.4
100	15.9	13.1	19.7

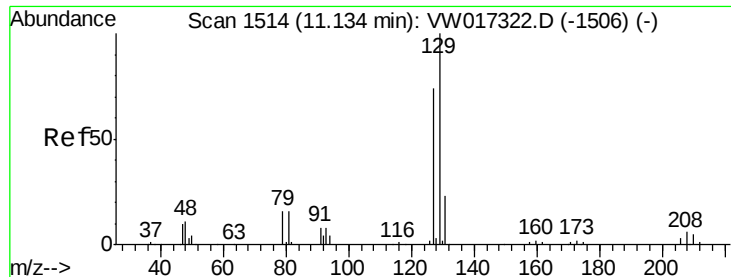
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

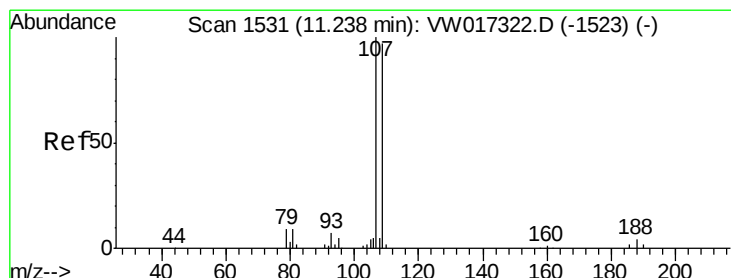
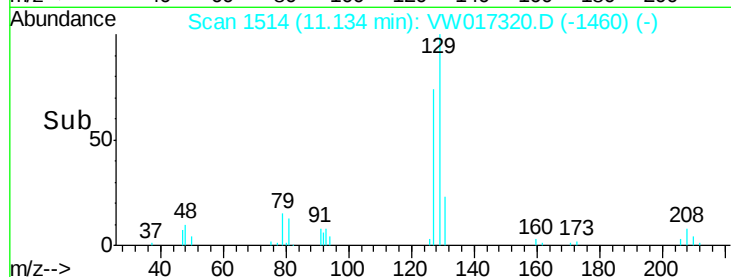
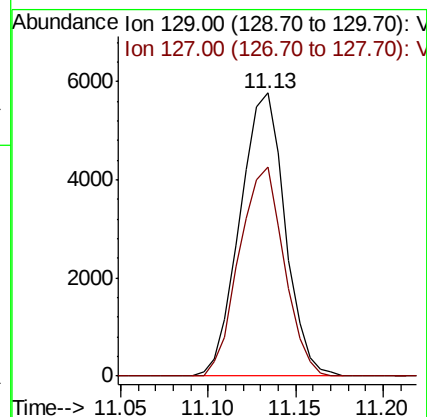
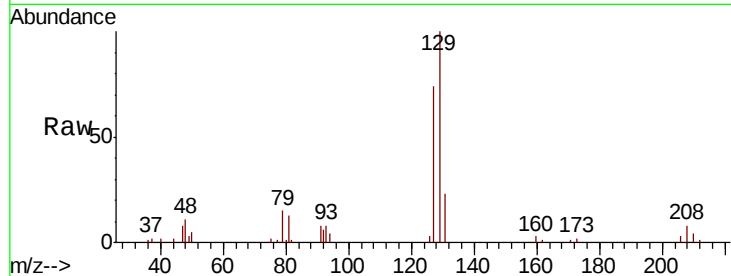




#50
 Dibromochloromethane
 Concen: 2.304 ug/L
 RT: 11.13 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

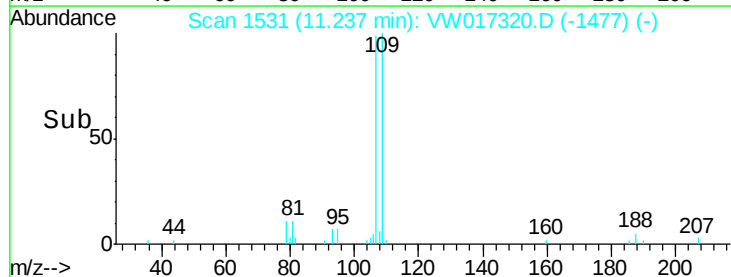
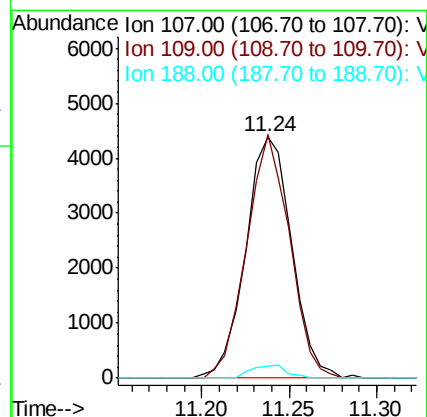
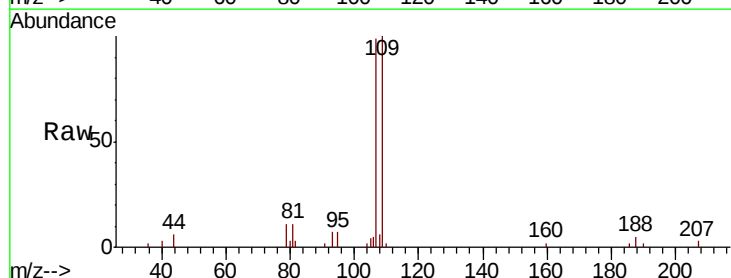
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

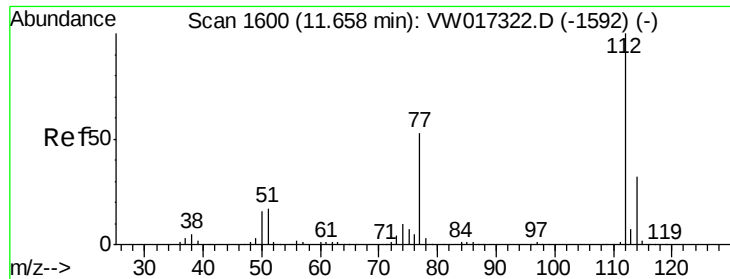
Tot Ion:129 Resp: 10361
 Ion Ratio Lower Upper
 129 100
 127 73.9 51.8 96.2



#51
 1,2-Dibromoethane
 Concen: 2.268 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

Tgt Ion:107 Resp: 8014
 Ion Ratio Lower Upper
 107 100
 109 100.9 68.2 126.6
 188 5.1 3.3 4.9#





#52

Chlorobenzene

Concen: 2.666 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

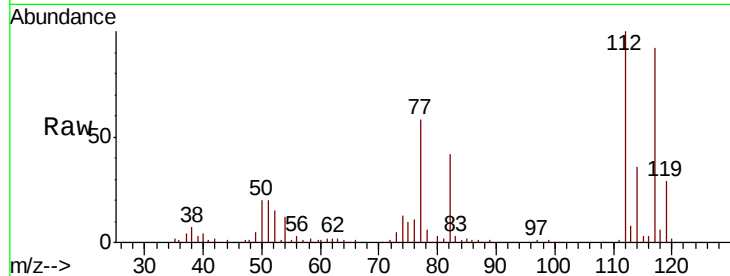
Tot Ion:112 Resp: 37047

Ion Ratio Lower Upper

112 100

77 58.2 42.2 63.4

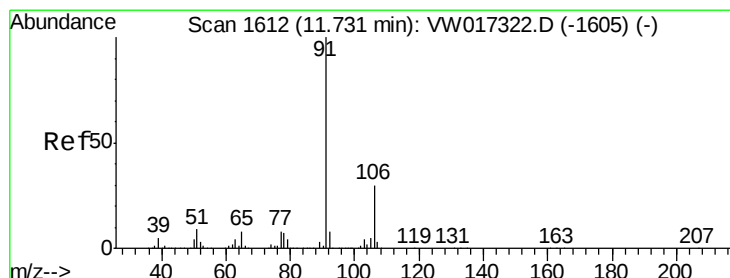
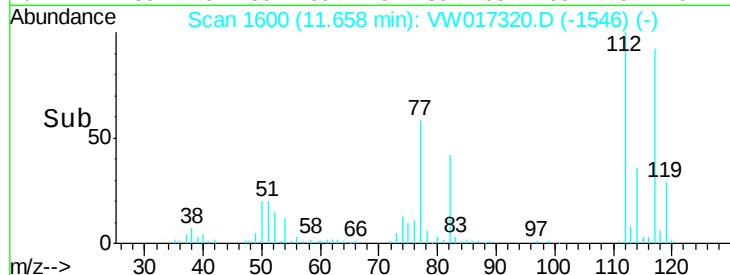
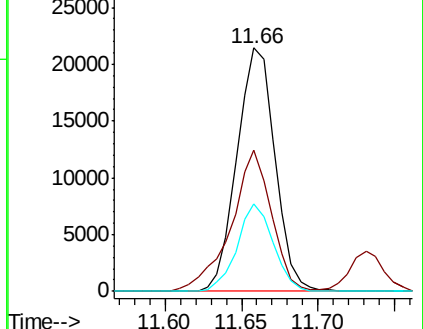
114 35.9 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.558 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017320.D

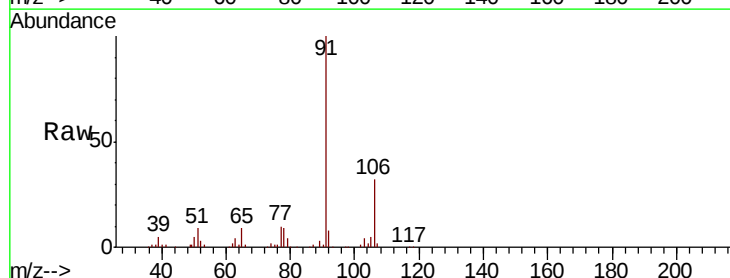
Acq: 18 Nov 2020 11:22

Tgt Ion: 91 Resp: 59188

Ion Ratio Lower Upper

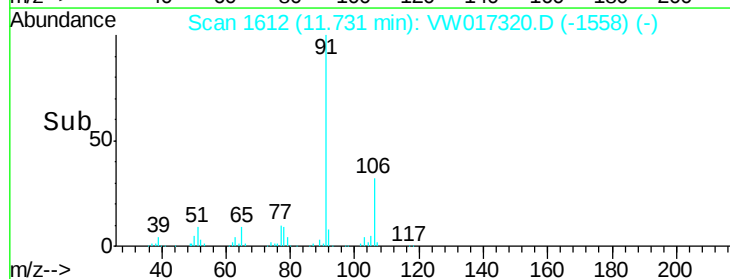
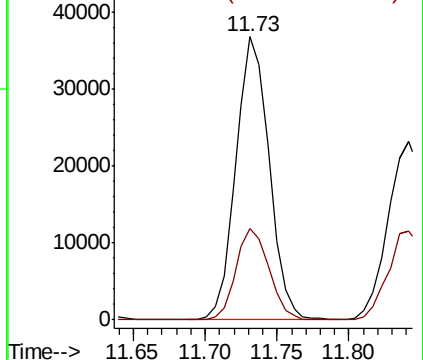
91 100

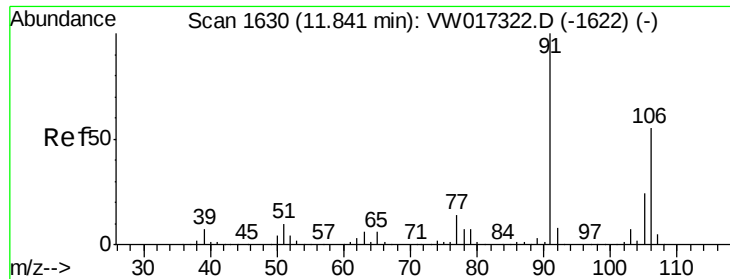
106 32.5 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.529 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

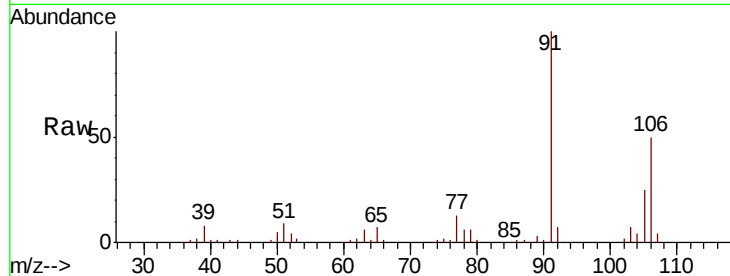
VSTD2.505

Tot Ion:106 Resp: 22732

Ion Ratio Lower Upper

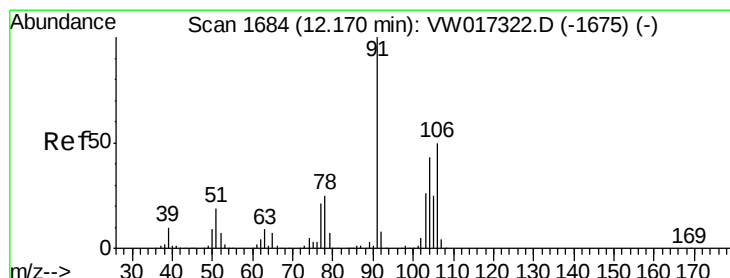
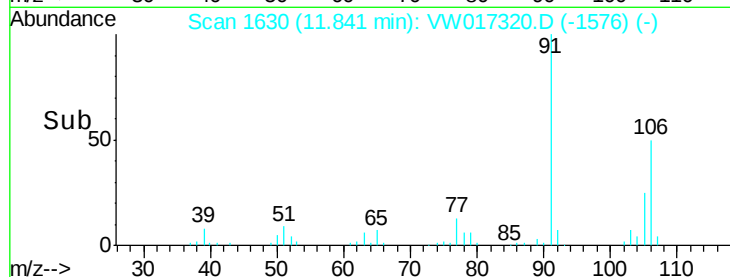
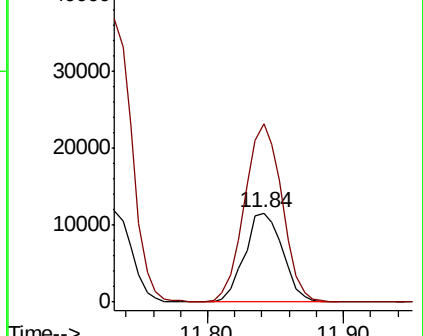
106 100

91 200.7 126.9 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.486 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017320.D

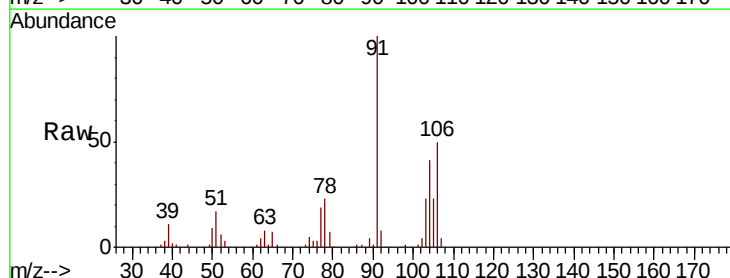
Acq: 18 Nov 2020 11:22

Tgt Ion:106 Resp: 21137

Ion Ratio Lower Upper

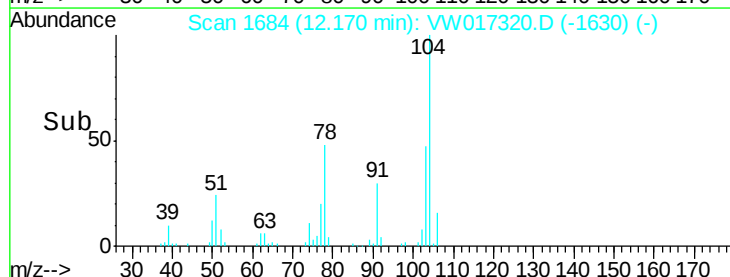
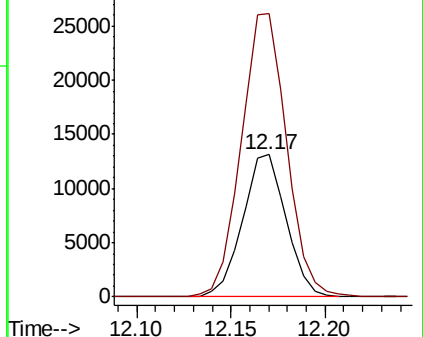
106 100

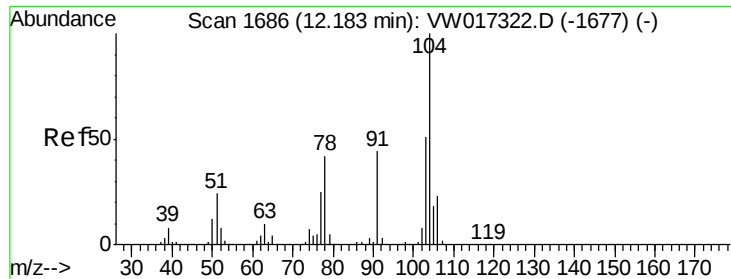
91 198.6 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 2.337 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

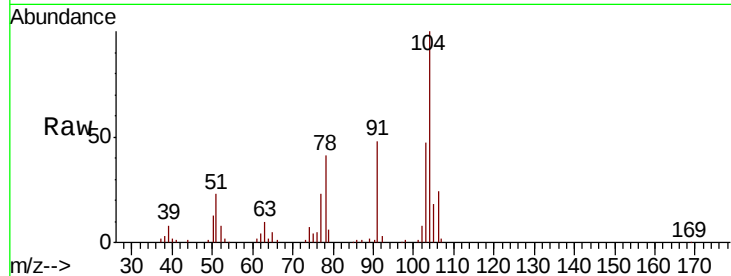
VSTD2.505

Tot Ion:104 Resp: 33241

Ion Ratio Lower Upper

104 100

78 41.1 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.18

20000

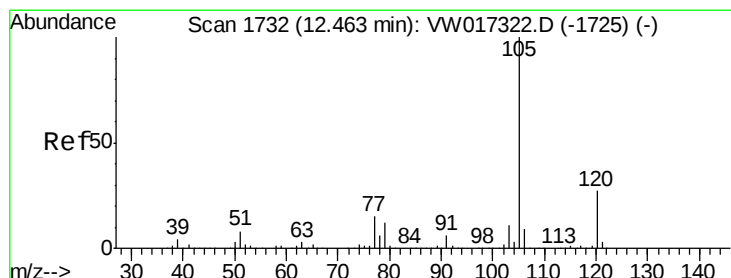
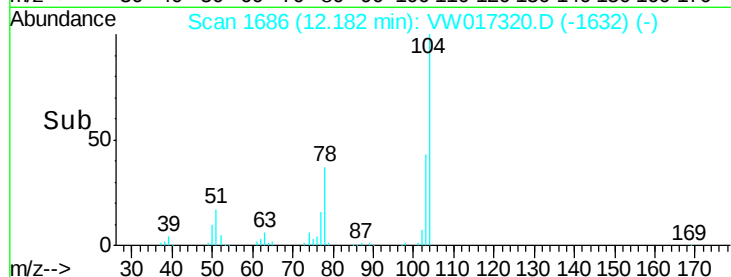
15000

10000

5000

0

Time--> 12.10 12.15 12.20 12.25



#57

Isopropylbenzene

Concen: 2.500 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

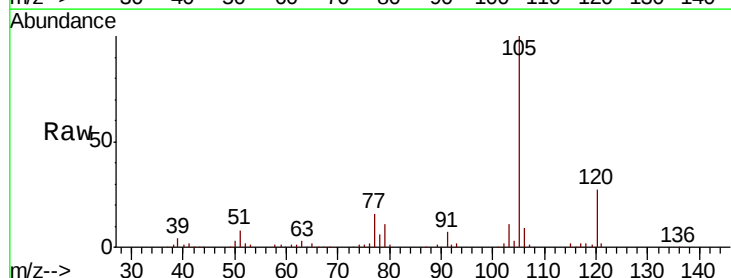
Tgt Ion:105 Resp: 57894

Ion Ratio Lower Upper

105 100

120 27.2 21.6 32.4

77 15.4 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

12.47

40000

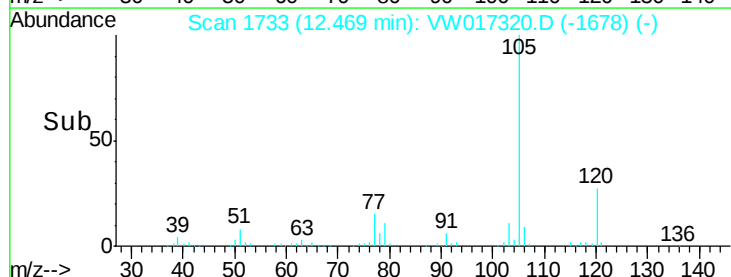
30000

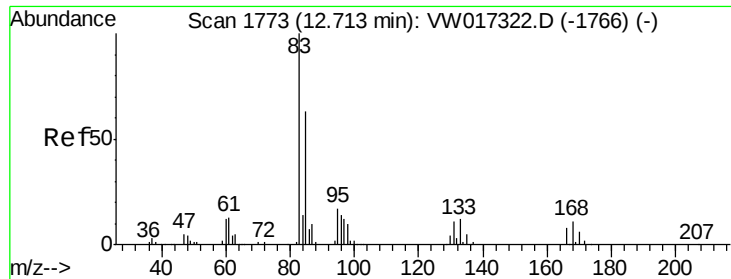
20000

10000

0

Time--> 12.40 12.45 12.50





#58

1,1,2,2-Tetrachloroethane

Concen: 2.213 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

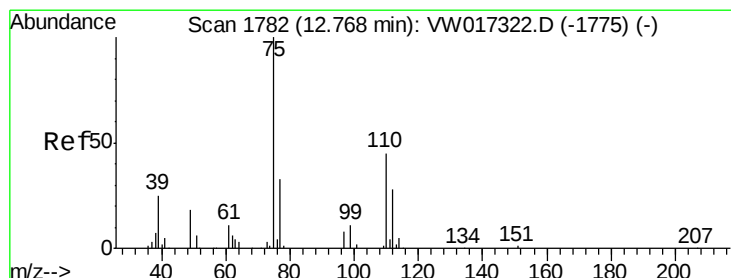
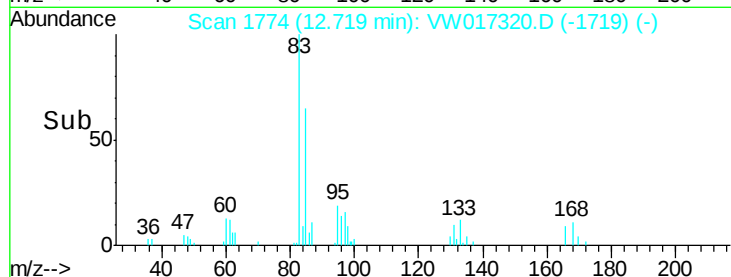
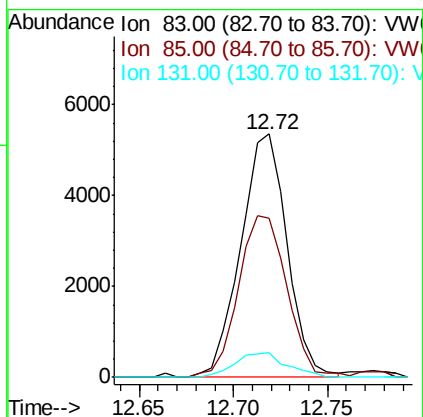
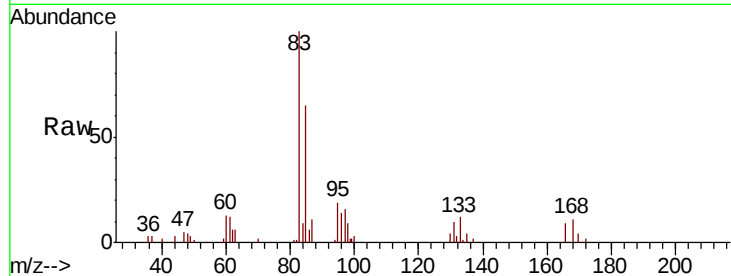
Tot Ion: 83 Resp: 9142

Ion Ratio Lower Upper

83 100

85 65.3 44.2 82.0

131 10.3 8.7 13.1



#59

1,2,3-Trichloropropane

Concen: 2.276 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017320.D

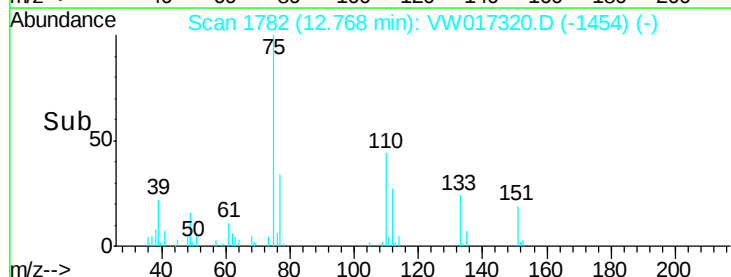
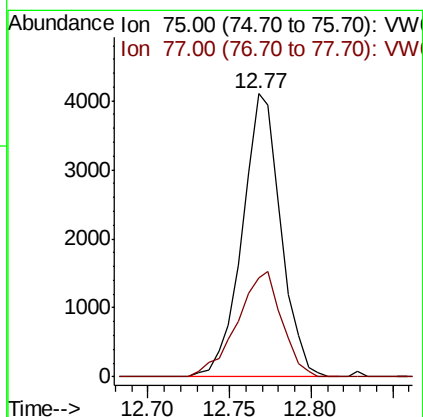
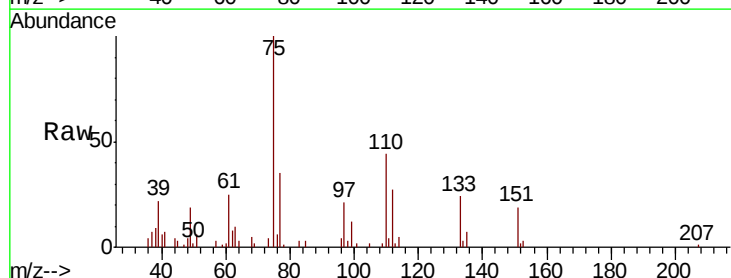
Acq: 18 Nov 2020 11:22

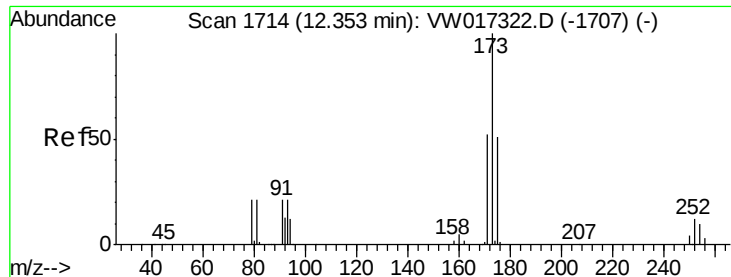
Tgt Ion: 75 Resp: 6743

Ion Ratio Lower Upper

75 100

77 42.8 26.6 40.0#





#62

Bromoform

Concen: 2.121 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

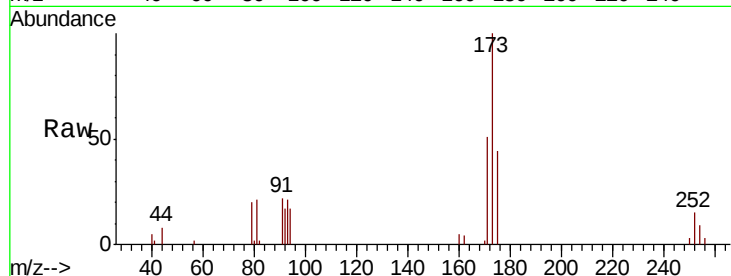
Tot Ion:173 Resp: 5570

Ion Ratio Lower Upper

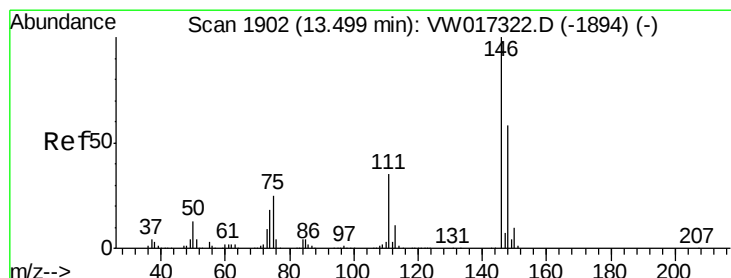
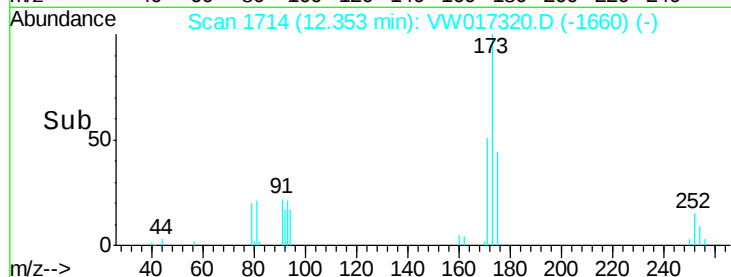
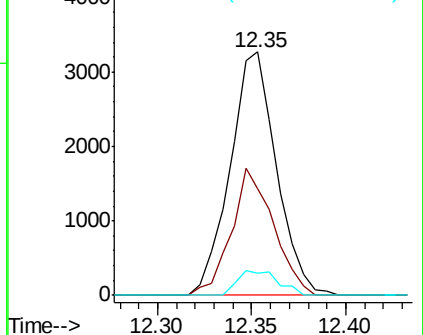
173 100

175 47.4 40.0 60.0

254 8.8 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.649 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

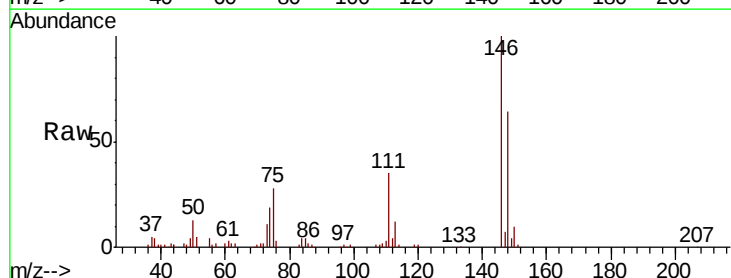
Tgt Ion:146 Resp: 29302

Ion Ratio Lower Upper

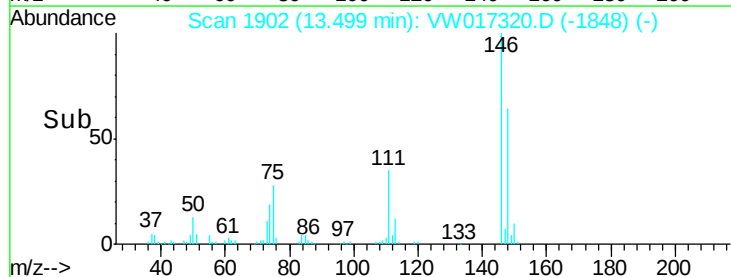
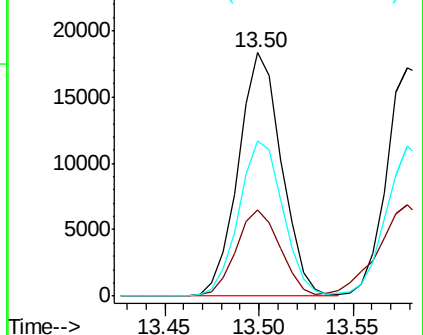
146 100

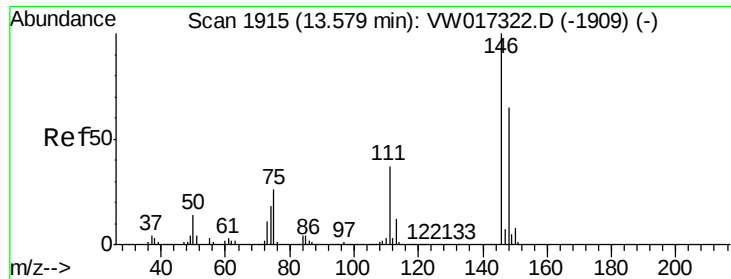
111 35.4 24.5 45.5

148 63.6 40.4 75.0



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





#64

1,4-Dichlorobenzene

Concen: 2.637 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

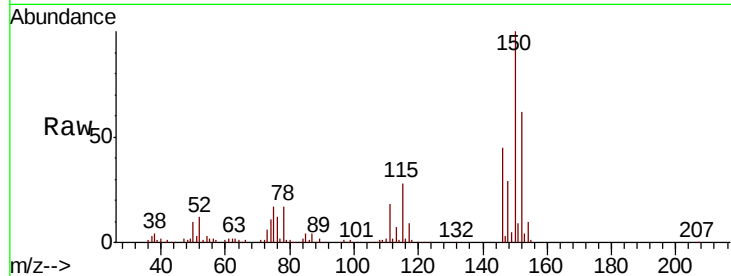
Tot Ion:146 Resp: 29195

Ion Ratio Lower Upper

146 100

111 40.1 26.2 48.8

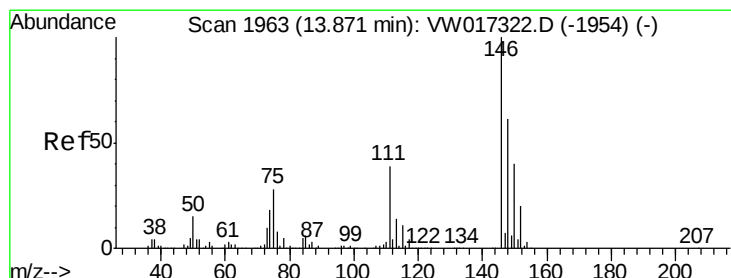
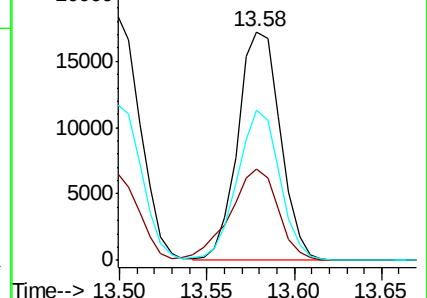
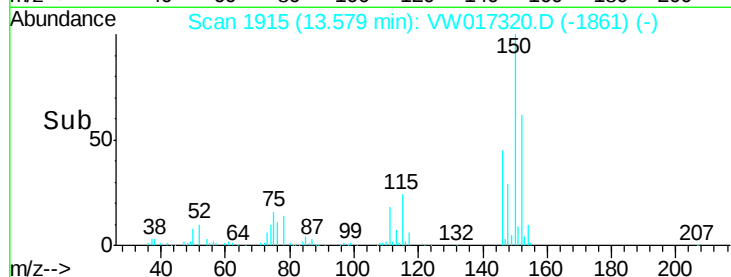
148 65.7 45.2 84.0



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

1,2-Dichlorobenzene

Concen: 2.640 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

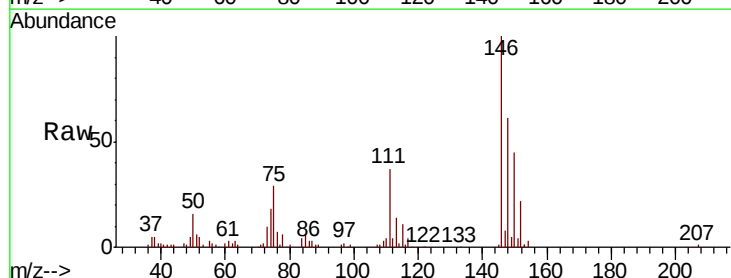
Tgt Ion:146 Resp: 25882

Ion Ratio Lower Upper

146 100

111 37.2 30.8 46.2

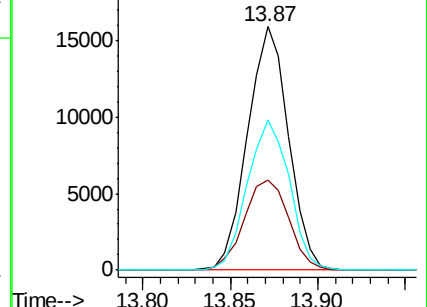
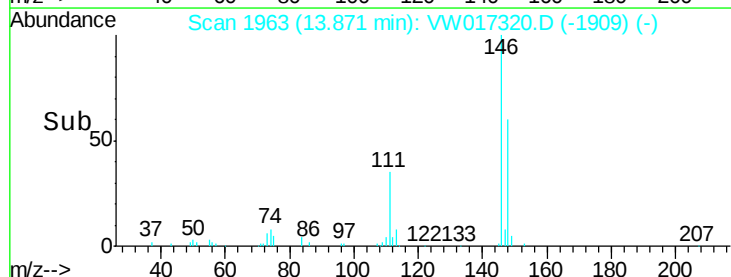
148 61.5 49.0 73.4

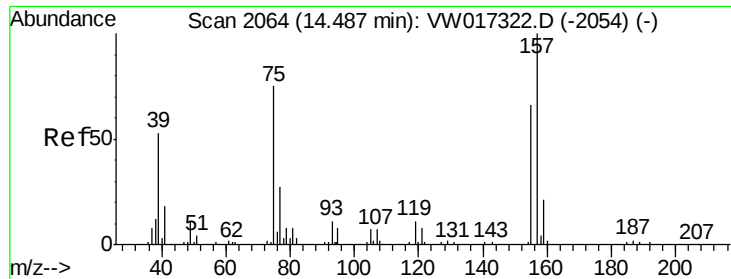


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 2.156 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

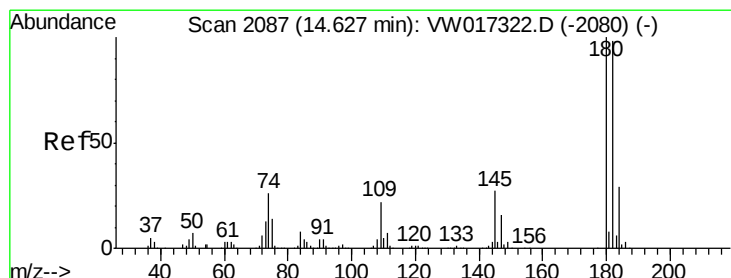
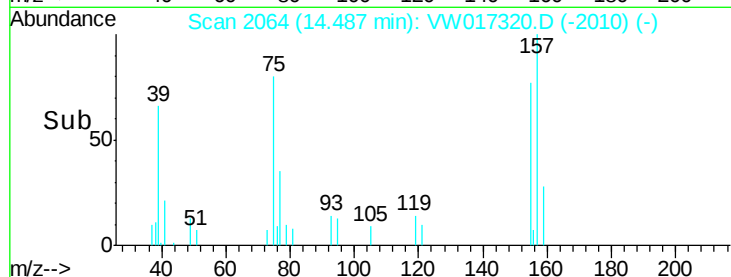
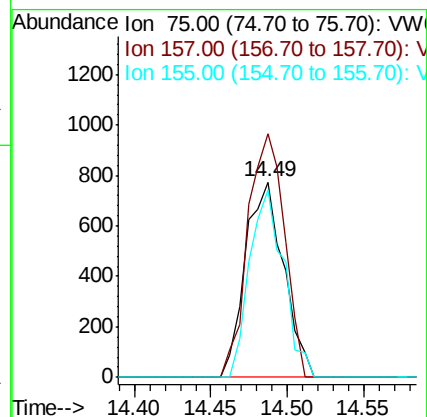
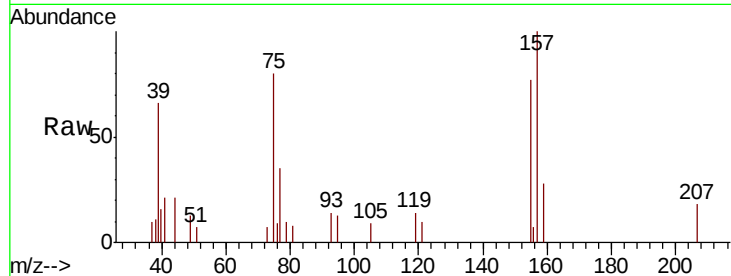
Tot Ion: 75 Resp: 1344

Ion Ratio Lower Upper

75 100

157 124.5 106.7 160.1

155 96.0 70.6 106.0



#67

1,3,5-Trichlorobenzene

Concen: 2.598 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW017320.D

Acq: 18 Nov 2020 11:22

Tgt Ion:180 Resp: 21079

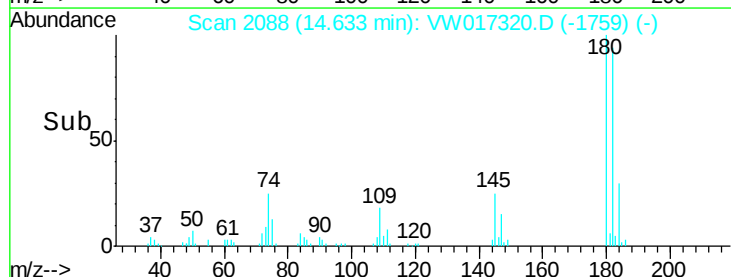
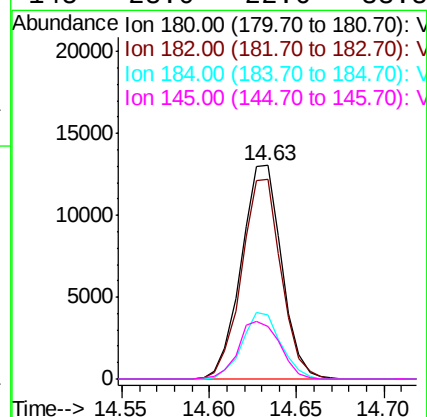
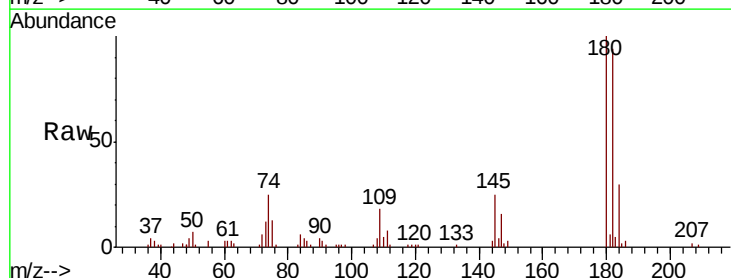
Ion Ratio Lower Upper

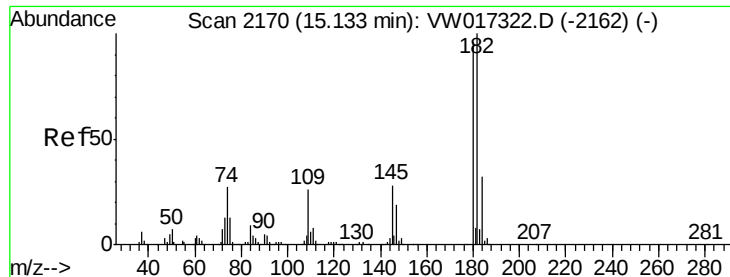
180 100

182 91.5 76.8 115.2

184 29.7 23.9 35.9

145 28.0 22.6 33.8

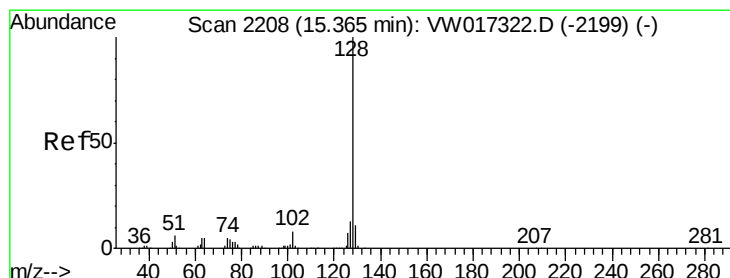
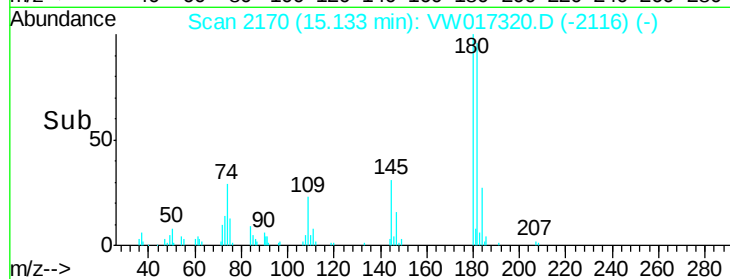
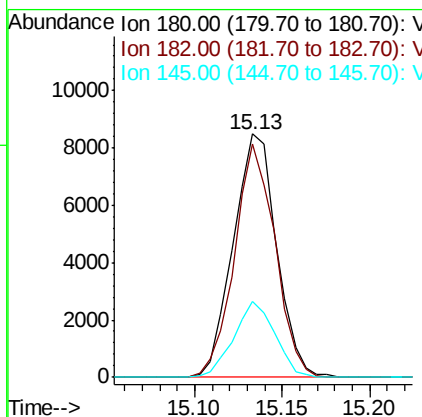
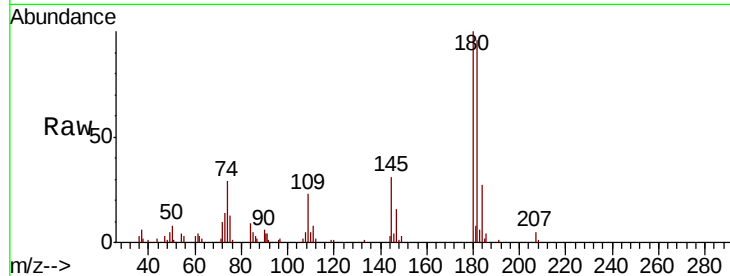




#68
1,2,4-trichlorobenzene
Concen: 2.298 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

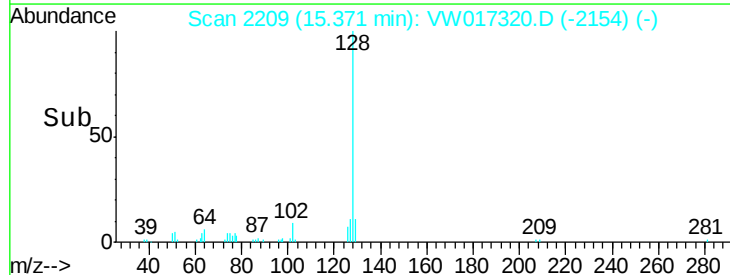
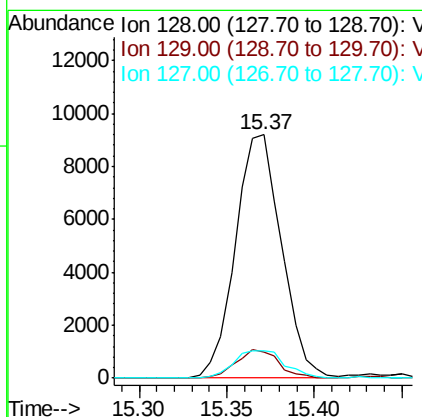
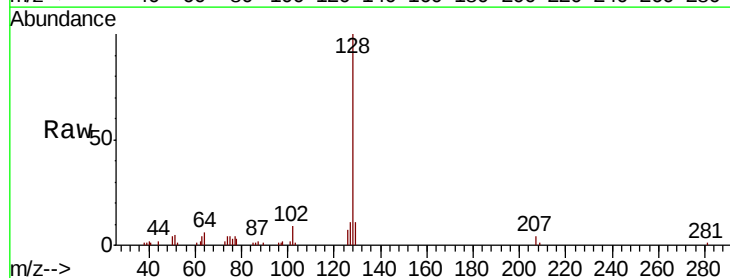
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

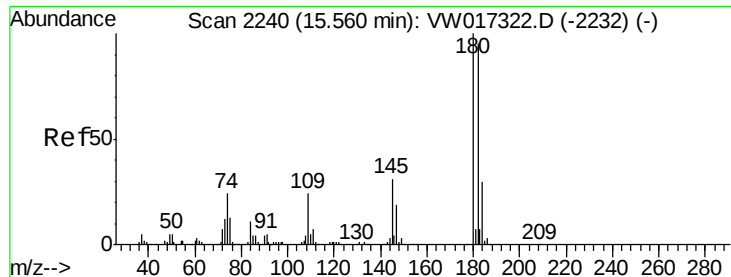
Tot Ion:180 Resp: 14641
Ion Ratio Lower Upper
180 100
182 89.5 77.0 115.6
145 29.4 22.9 34.3



#69
Naphthalene
Concen: 1.523 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW017320.D
Acq: 18 Nov 2020 11:22

Tgt Ion:128 Resp: 16881
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.6 10.4 15.6

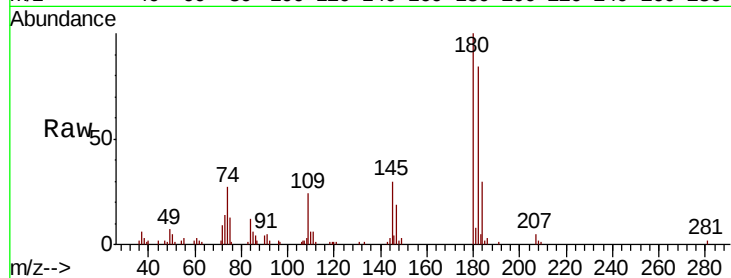




#70
 1,2,3-Trichlorobenzene
 Concen: 2.180 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: VW017320.D
 Acq: 18 Nov 2020 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	100		12512		
182	94.5	78.6		118.0	
145	32.3	25.4		38.0	



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

