

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016321.D
 Acq On : 24 Aug 2020 10:37
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Quant Time: Aug 24 12:38:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 24 12:35:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	312065	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	289923	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136884	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	9820	2.60	ug/L	0.00
7) Chloroethane-d5	2.89	69	6517	2.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	21881	2.67	ug/L	0.00
20) 2-Butanone-d5	7.10	46	4087	4.05	ug/L	0.02
24) Chloroform-d	7.65	84	21345	2.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	10717	2.41	ug/L	0.00
29) Benzene-d6	8.28	84	42839	2.68	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	11468	2.47	ug/L	0.00
37) Toluene-d8	10.33	98	39013	2.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5272	2.47	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3421	4.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	9087	2.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	13554	2.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	6730	2.145 ug/L	93
3) Chloromethane	2.21	50	7358	2.435 ug/L	97
5) Vinyl chloride	2.36	62	9856	2.457 ug/L	97
6) Bromomethane	2.78	94	6136	2.416 ug/L	94
8) Chloroethane	2.92	64	5015	2.213 ug/L	85
9) Trichlorofluoromethane	3.26	101	9929	3.162 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10736	2.542 ug/L #	86
12) 1,1-Dichloroethene	4.04	96	10914	2.723 ug/L	91
13) Acetone	4.14	43	4229	5.432 ug/L	78
14) Carbon disulfide	4.39	76	32546	2.637 ug/L	98
15) Methyl Acetate	4.68	43	1999	1.121 ug/L #	59
16) Methylene chloride	4.92	84	23492	4.766 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	14779	2.575 ug/L #	90
18) trans-1,2-Dichloroethene	5.42	96	11192	2.668 ug/L	86
19) 1,1-Dichloroethane	6.23	63	18700	2.542 ug/L	96
21) 2-Butanone	7.18	43	6241	5.148 ug/L	88
22) cis-1,2-Dichloroethene	7.17	96	11400	2.563 ug/L	96
23) Bromochloromethane	7.52	128	5404	2.637 ug/L #	92
25) Chloroform	7.68	83	19701	2.505 ug/L	98
27) 1,2-Dichloroethane	8.40	62	12217	2.359 ug/L	95
30) Cyclohexane	7.96	56	15220	2.441 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	17982	2.689 ug/L	98
32) Carbon tetrachloride	8.07	117	16966	2.684 ug/L	98
34) Benzene	8.32	78	42764	2.576 ug/L	100
35) Trichloroethene	9.10	95	12149	2.694 ug/L	97
36) Methylcyclohexane	9.34	83	19332	2.614 ug/L	97
40) 1,2-Dichloropropane	9.37	63	10067	2.495 ug/L	99
41) Bromodichloromethane	9.65	83	13652	2.429 ug/L	94
42) cis-1,3-Dichloropropene	10.08	75	15096	2.412 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	11909	4.890 ug/L	95

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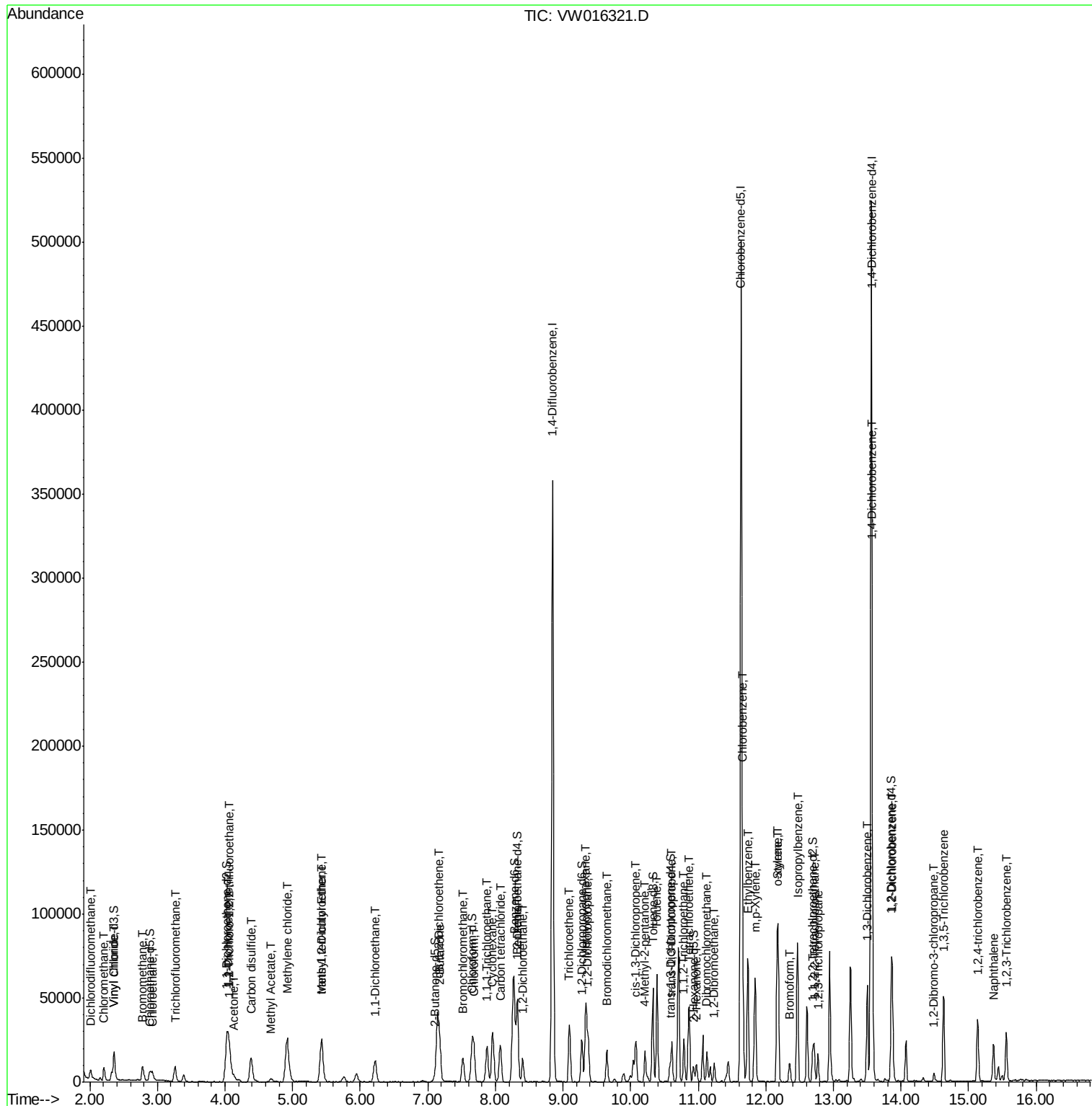
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	45029	2.558	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	12830	2.281	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	8011	2.476	ug/L	96
47) Tetrachloroethene	10.87	164	10015	2.928	ug/L	94
49) 2-Hexanone	10.98	43	6578	4.036	ug/L	95
50) Dibromochloromethane	11.13	129	9701	2.512	ug/L	94
51) 1,2-Dibromoethane	11.24	107	7859	2.550	ug/L	99
52) Chlorobenzene	11.66	112	31057	2.649	ug/L	96
53) Ethylbenzene	11.73	91	51818	2.589	ug/L	99
54) m,p-Xylene	11.84	106	20282	2.679	ug/L	98
55) o-xylene	12.16	106	18635	2.624	ug/L	94
56) Styrene	12.18	104	29248	2.384	ug/L	96
57) Isopropylbenzene	12.47	105	51335	2.664	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.72	83	9260	2.451	ug/L	90
59) 1,2,3-Trichloropropane	12.77	75	6847	2.402	ug/L	99
62) Bromoform	12.35	173	5318	2.528	ug/L #	98
63) 1,3-Dichlorobenzene	13.51	146	23701	2.726	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	24286	2.725	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	21108	2.655	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	1575	2.272	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.63	180	16251	2.881	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	11753	2.559	ug/L	96
69) Naphthalene	15.36	128	19377	2.023	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	10764	2.615	ug/L	96

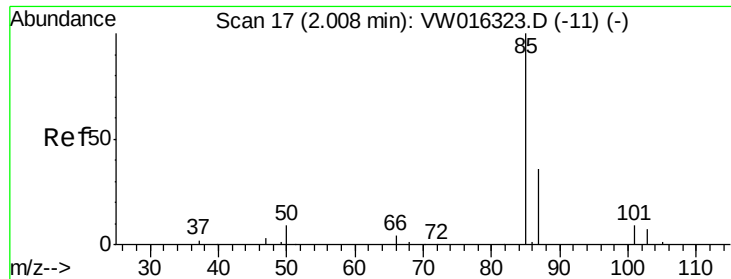
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.145 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

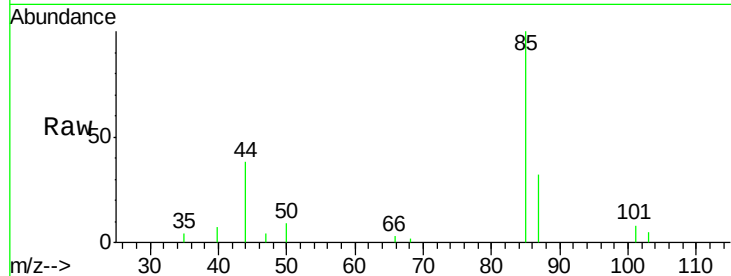
VSTD2.502

Tgt Ion: 85 Resp: 6730

Ion Ratio Lower Upper

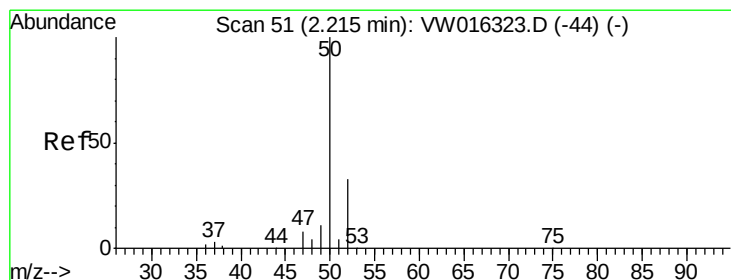
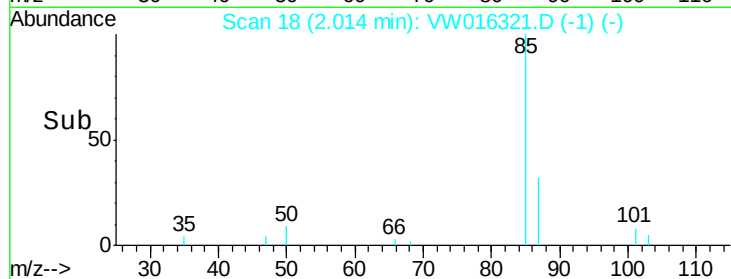
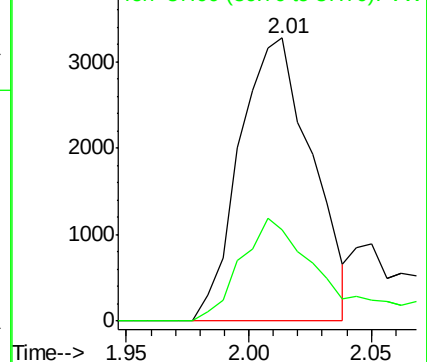
85 100

87 34.6 21.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.435 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW016321.D

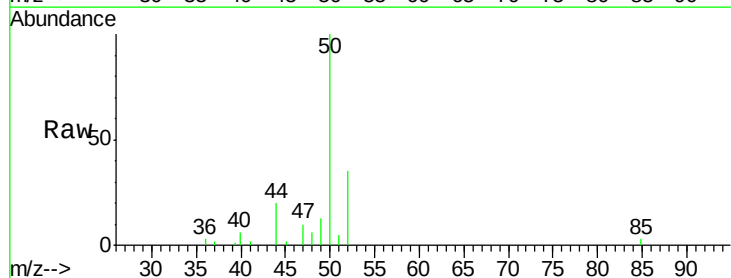
Acq: 24 Aug 2020 10:37

Tgt Ion: 50 Resp: 7358

Ion Ratio Lower Upper

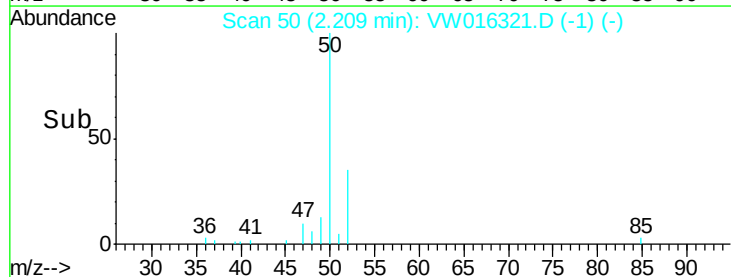
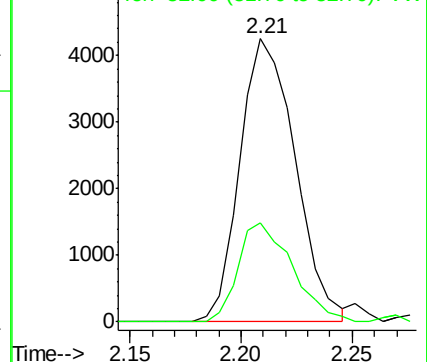
50 100

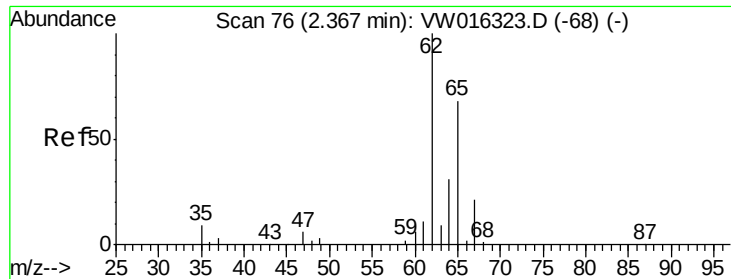
52 35.0 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.457 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

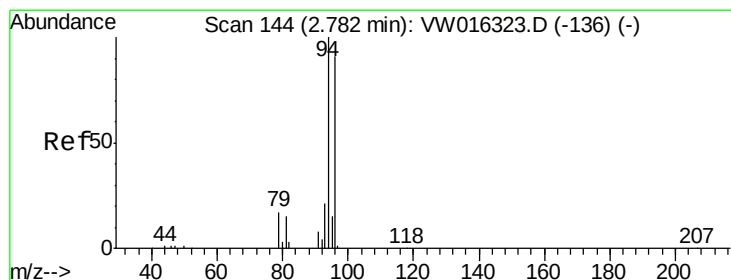
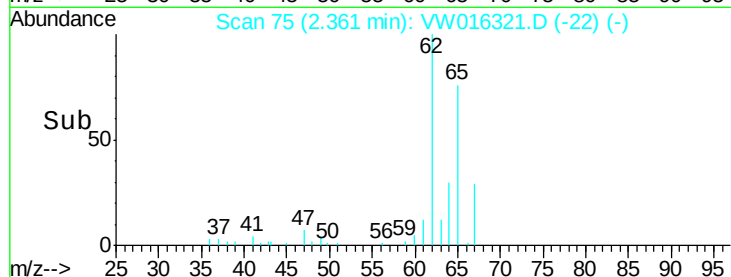
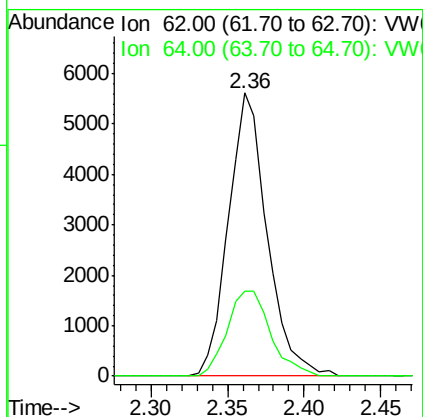
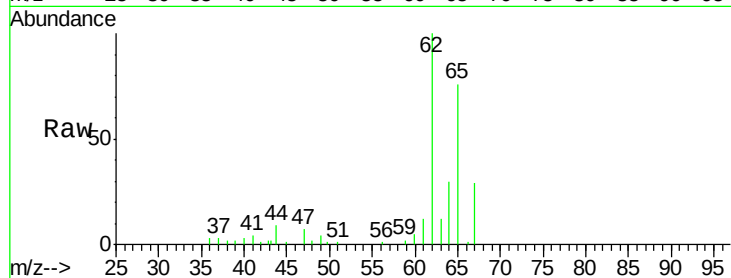
VSTD2.502

Tgt Ion: 62 Resp: 9856

Ion Ratio Lower Upper

62 100

64 30.0 22.0 41.0



#6

Bromomethane

Concen: 2.416 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016321.D

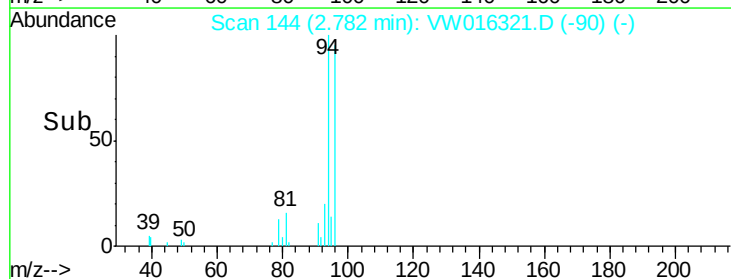
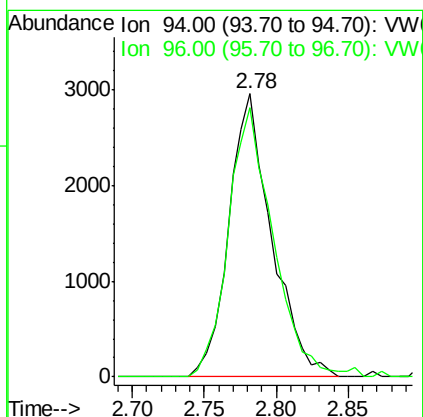
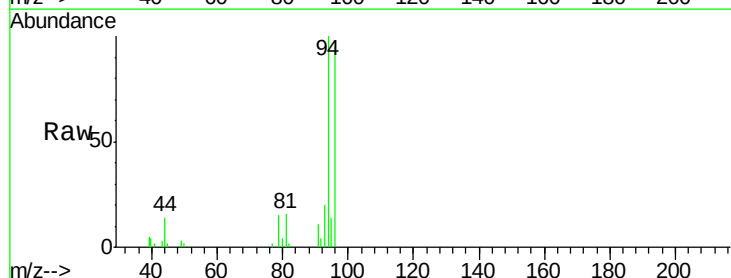
Acq: 24 Aug 2020 10:37

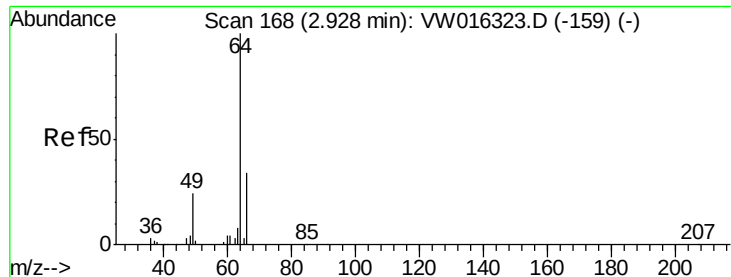
Tgt Ion: 94 Resp: 6136

Ion Ratio Lower Upper

94 100

96 99.2 9.3 176.7





#8

Chloroethane

Concen: 2.213 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

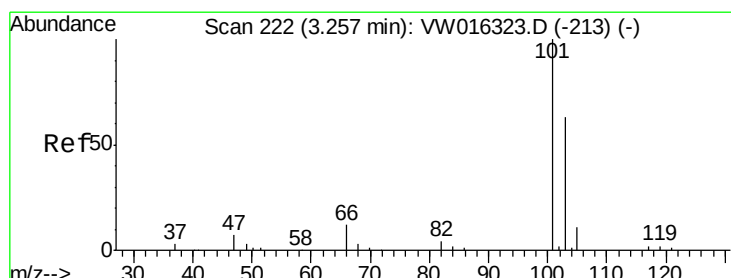
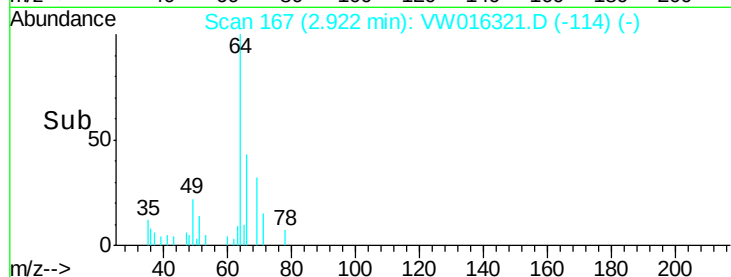
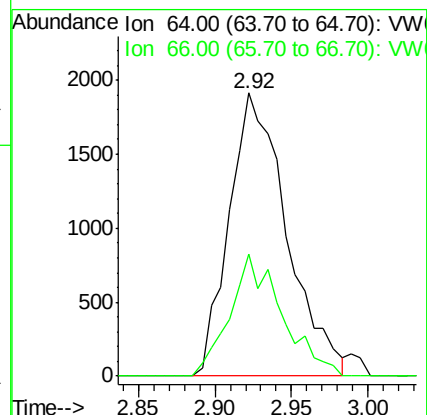
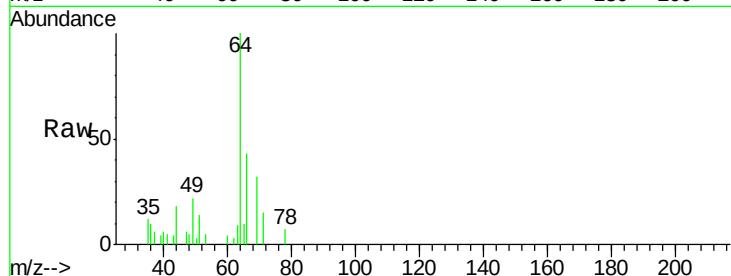
VSTD2.502

Tgt Ion: 64 Resp: 5015

Ion Ratio Lower Upper

64 100

66 43.3 24.1 44.8



#9

Trichlorofluoromethane

Concen: 3.162 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW016321.D

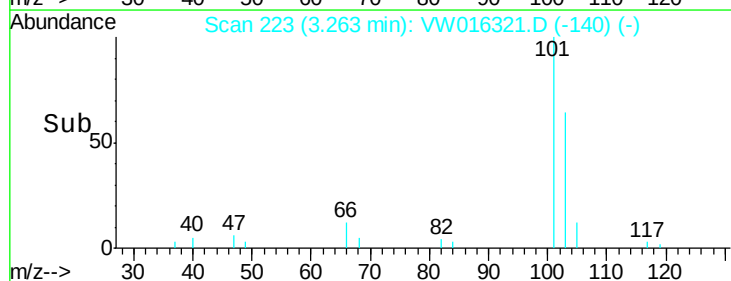
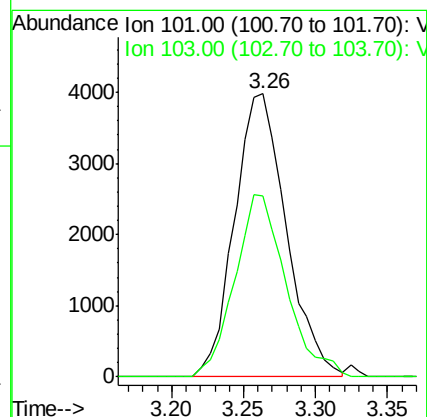
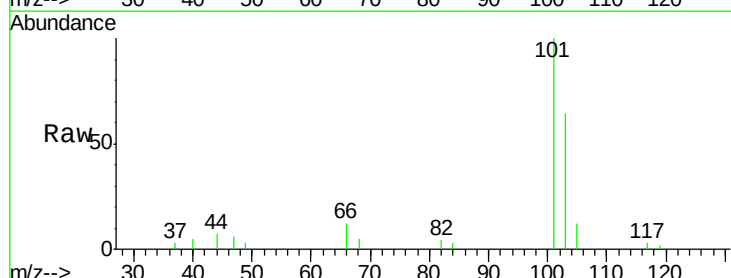
Acq: 24 Aug 2020 10:37

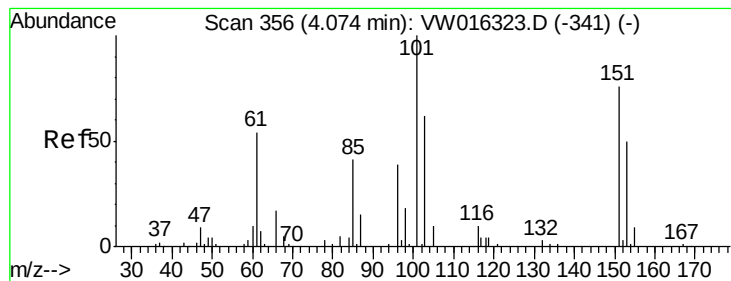
Tgt Ion: 101 Resp: 9929

Ion Ratio Lower Upper

101 100

103 63.7 44.8 83.2





#11

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

Concen: 2.542 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

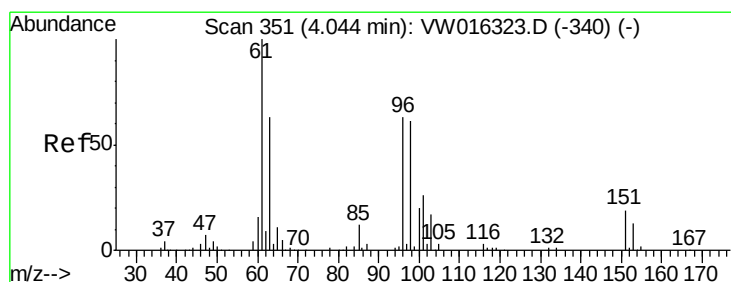
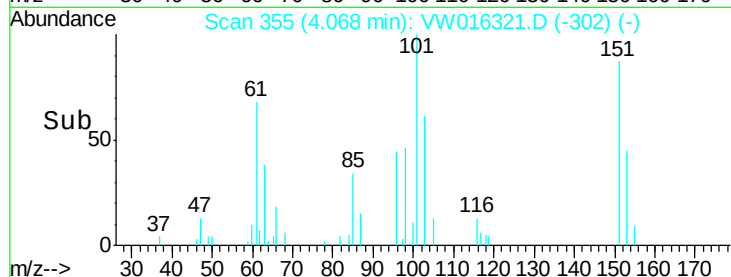
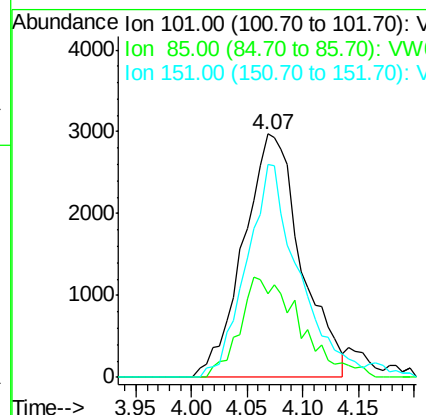
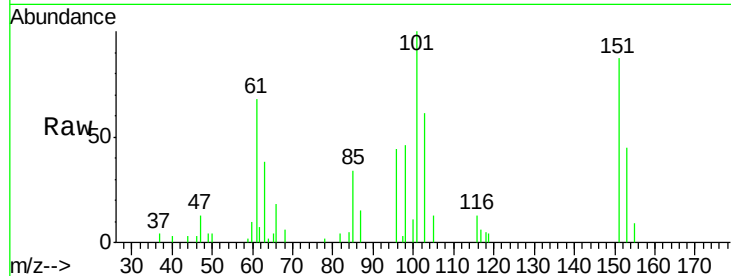
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

Tgt Ion:	101	Resp:	10736
Ion Ratio	Lower	Upper	
101	100		
85	20.3	31.8	47.6#
151	72.5	60.9	91.3



#12

1,1-Dichloroethene

Concen: 2.723 ug/L

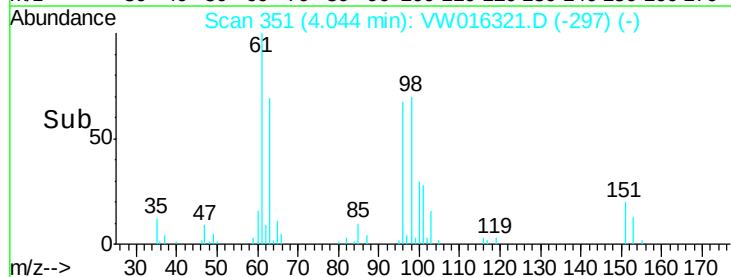
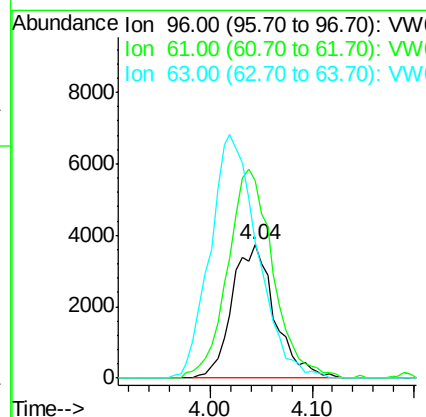
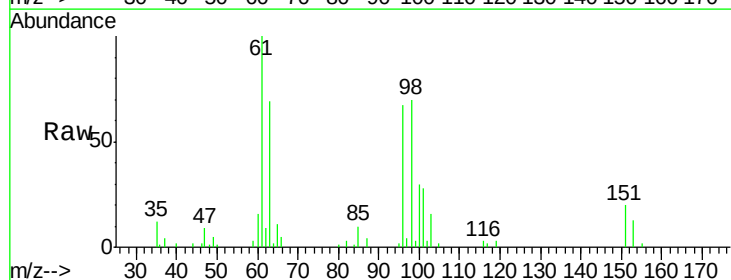
RT: 4.04 min Scan# 351

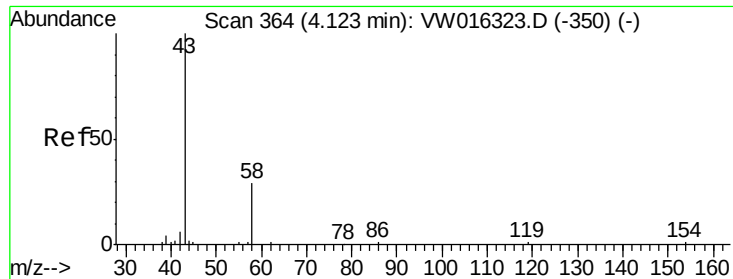
Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Tgt Ion:	96	Resp:	10914
Ion Ratio	Lower	Upper	
96	100		
61	148.4	112.3	208.5
63	102.2	77.3	143.7





#13

Acetone

Concen: 5.432 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

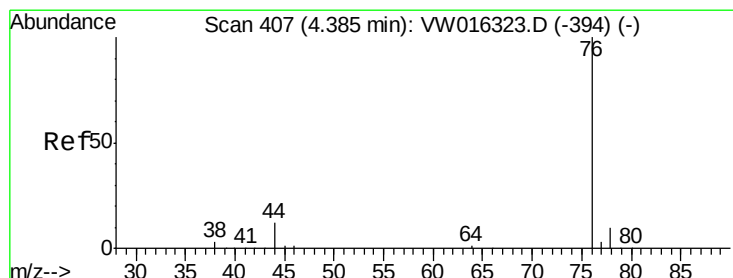
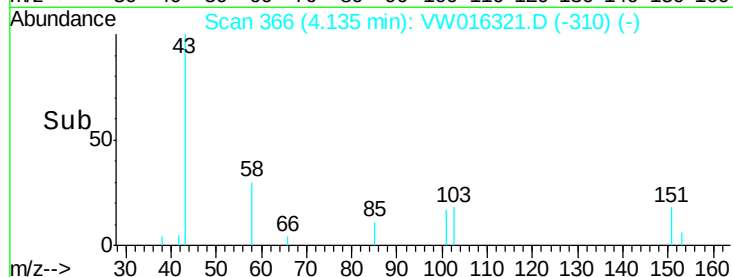
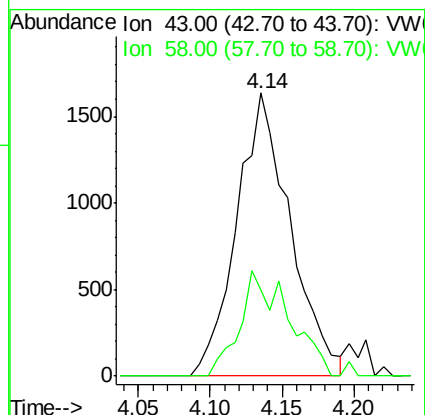
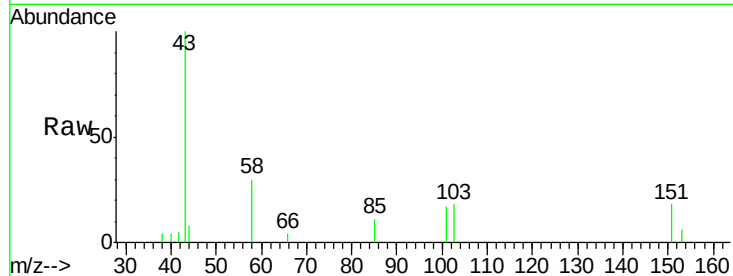
VSTD2.502

Tgt Ion: 43 Resp: 4229

Ion Ratio Lower Upper

43 100

58 19.6 0.0 63.8



#14

Carbon disulfide

Concen: 2.637 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016321.D

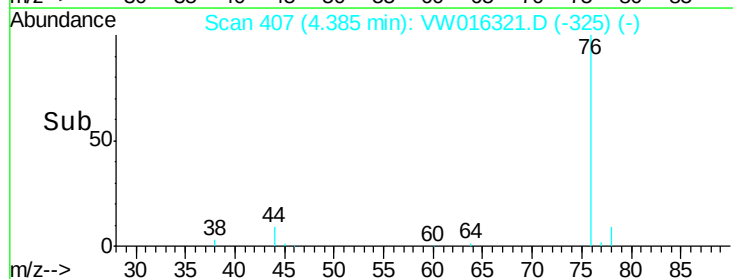
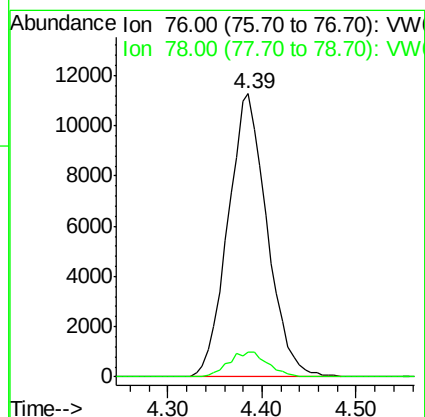
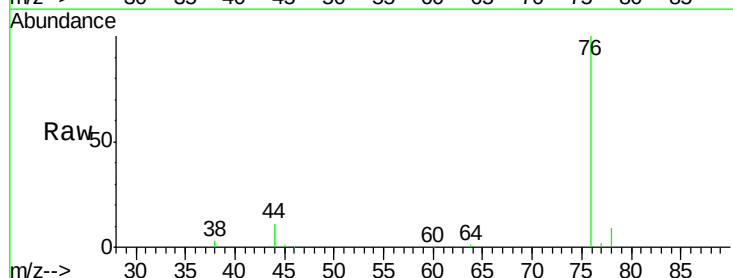
Acq: 24 Aug 2020 10:37

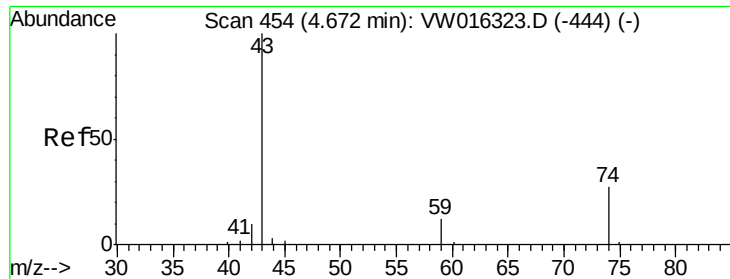
Tgt Ion: 76 Resp: 32546

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

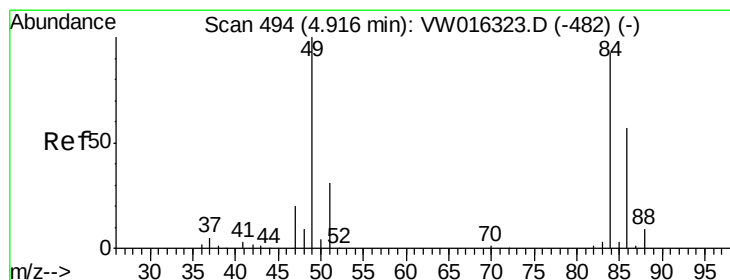
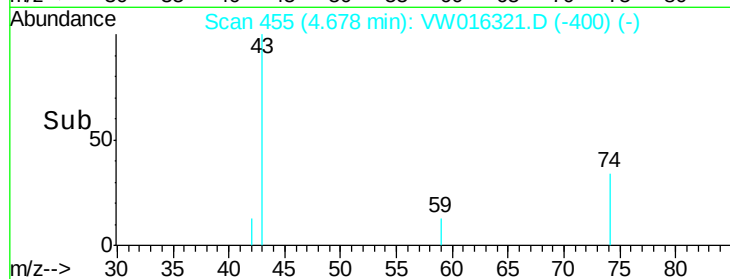
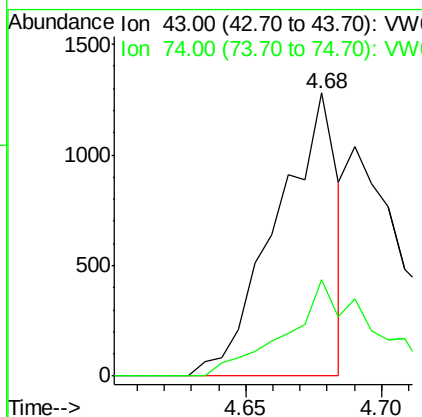
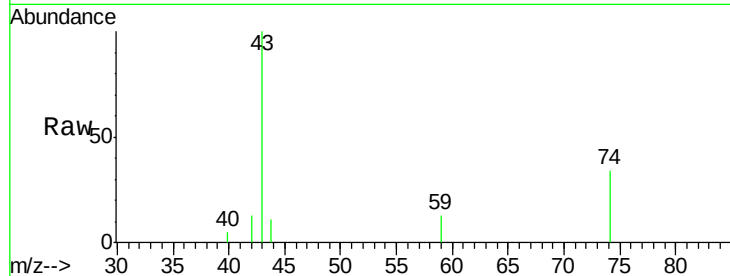




#15
Methyl Acetate
Concen: 1.121 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

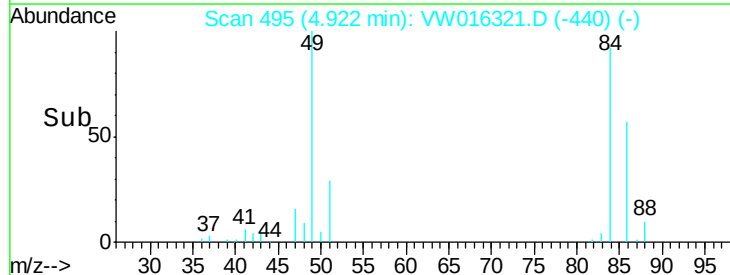
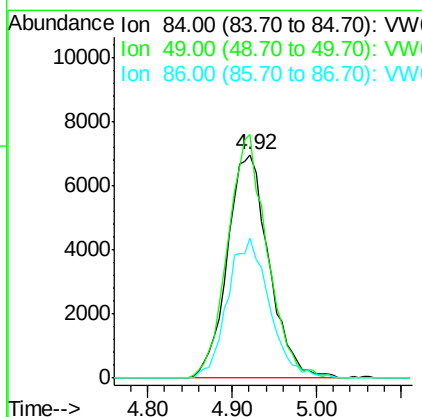
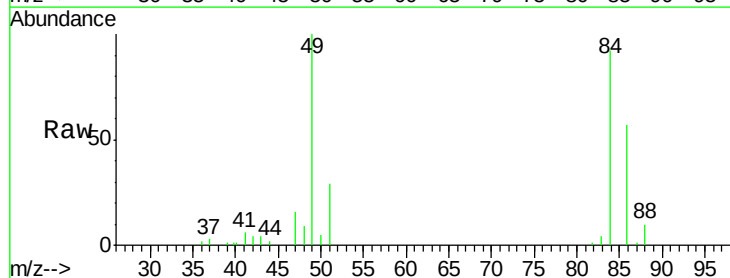
Instrument :
MSVOA_W
ClientSampled :
VSTD2.502

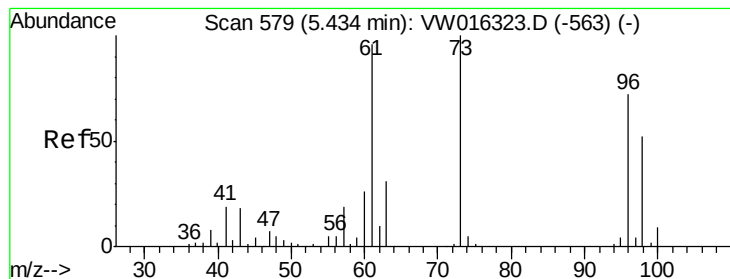
Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
74 47.2 21.0 31.6#



#16
Methylene chloride
Concen: 4.766 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

Tgt Ion: 84 Resp: 23492
Ion Ratio Lower Upper
84 100
49 109.0 75.3 139.9
86 62.6 43.3 80.3





#17

Methyl tert-butyl Ether

Concen: 2.575 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

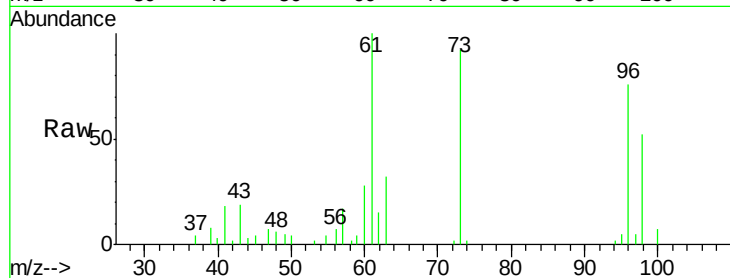
Tgt Ion: 73 Resp: 14779

Ion Ratio Lower Upper

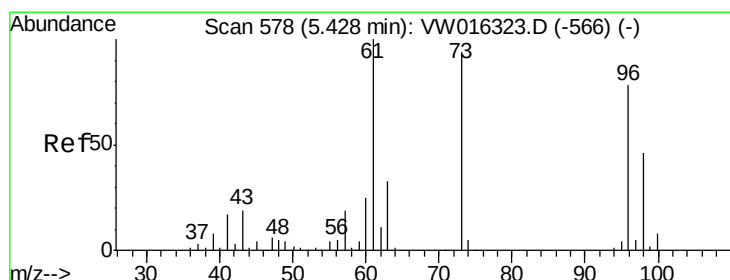
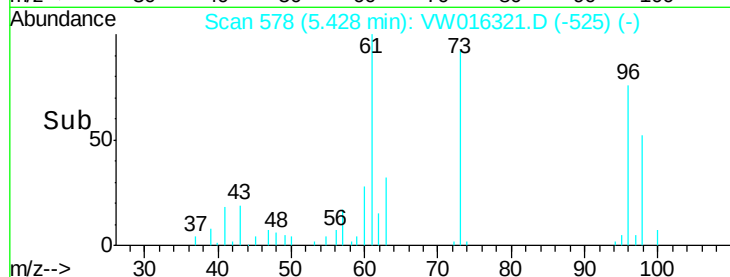
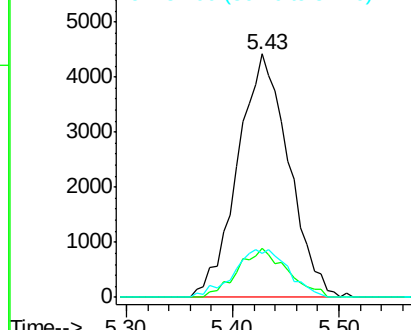
73 100

43 19.5 15.3 22.9

57 11.7 16.1 24.1#



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: 2.668 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

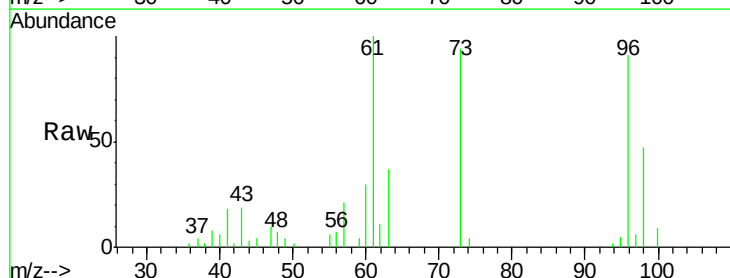
Tgt Ion: 96 Resp: 11192

Ion Ratio Lower Upper

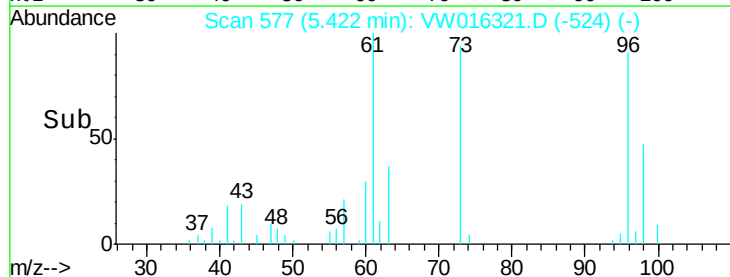
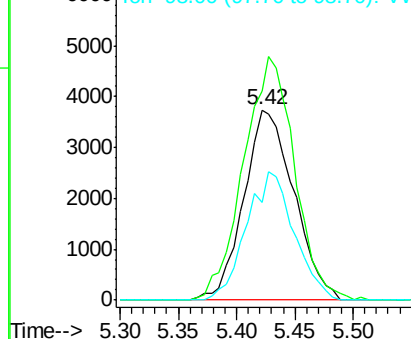
96 100

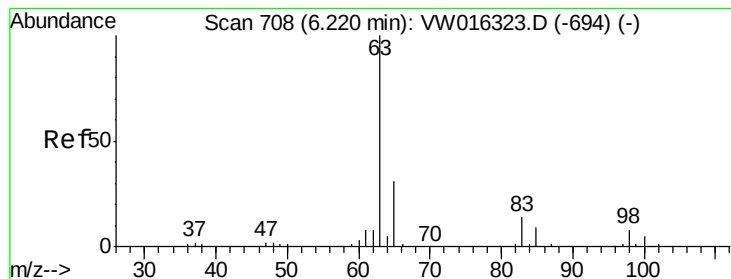
61 109.8 89.9 167.0

98 51.3 41.6 77.2



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

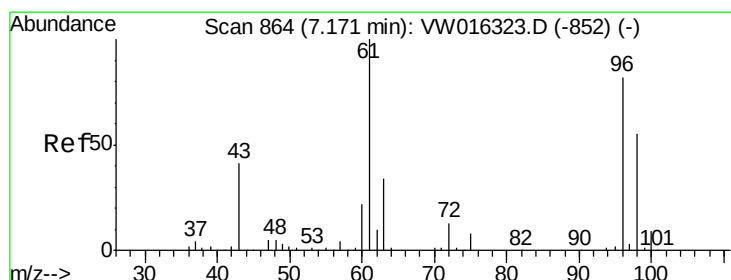
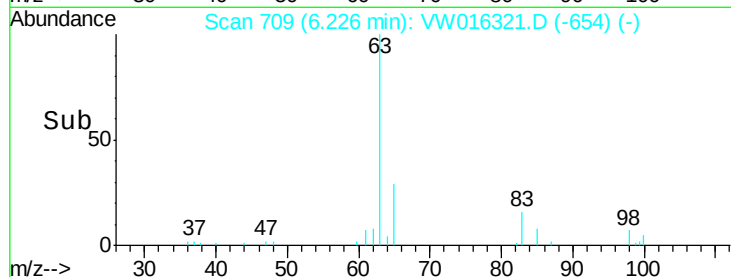
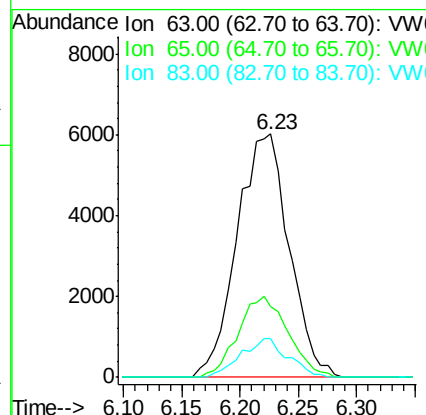
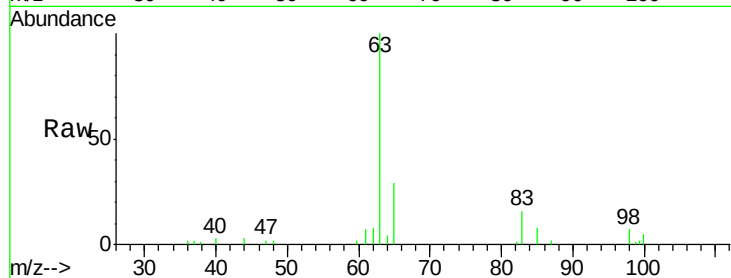




#19
 1,1-Dichloroethane
 Concen: 2.542 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

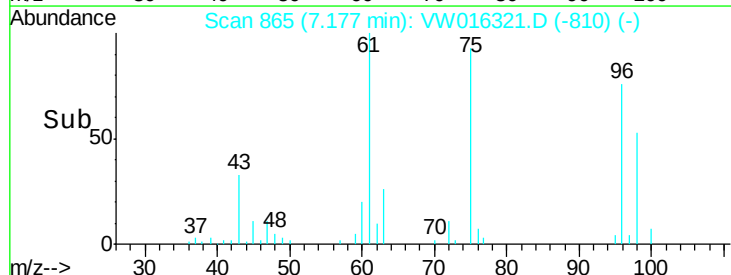
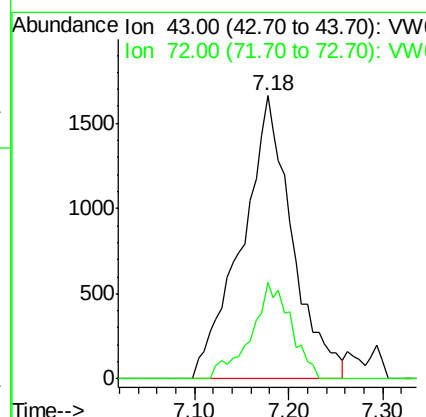
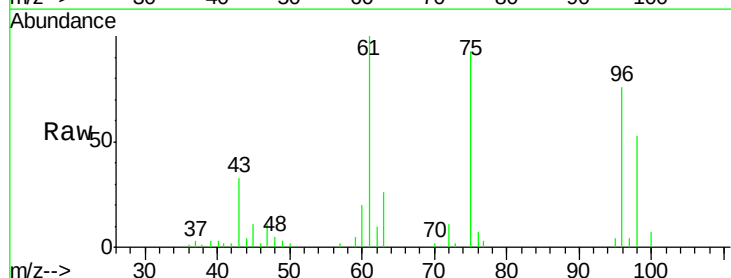
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

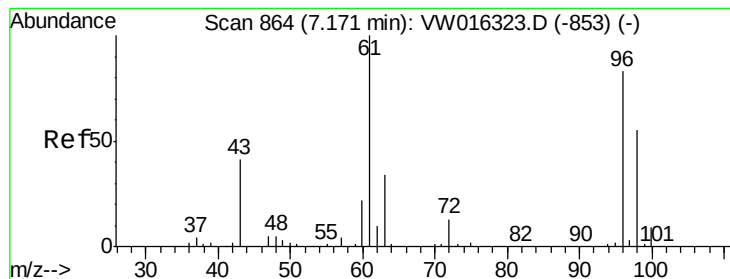
Tgt Ion: 63 Resp: 18700
 Ion Ratio Lower Upper
 63 100
 65 29.1 21.8 40.6
 83 16.0 9.6 17.8



#21
 2-Butanone
 Concen: 5.148 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion: 43 Resp: 6241
 Ion Ratio Lower Upper
 43 100
 72 25.3 16.0 48.0



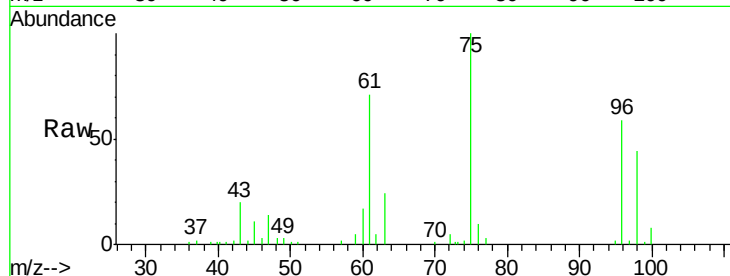


#22

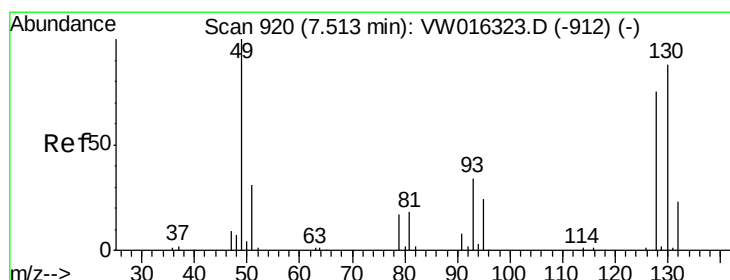
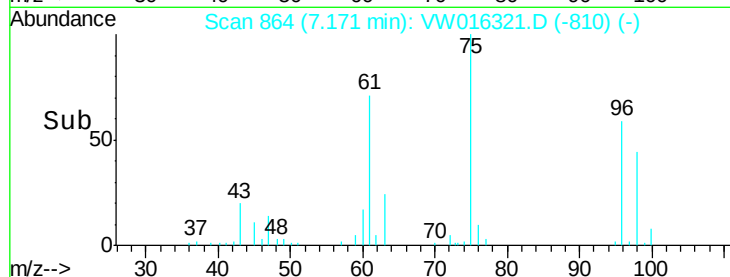
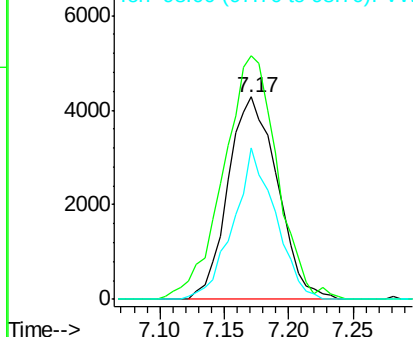
cis-1,2-Dichloroethene
Concen: 2.563 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

Tgt Ion: 96 Resp: 11400
Ion Ratio Lower Upper
96 100
61 120.2 84.9 157.7
98 74.8 46.8 86.8



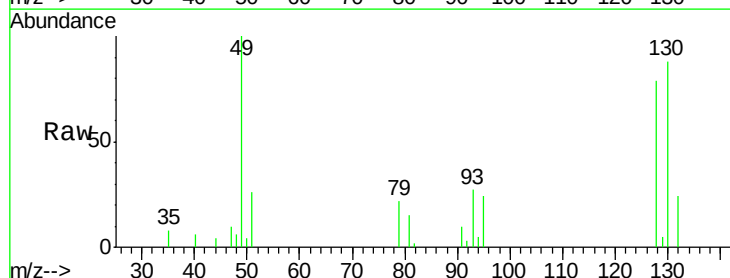
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



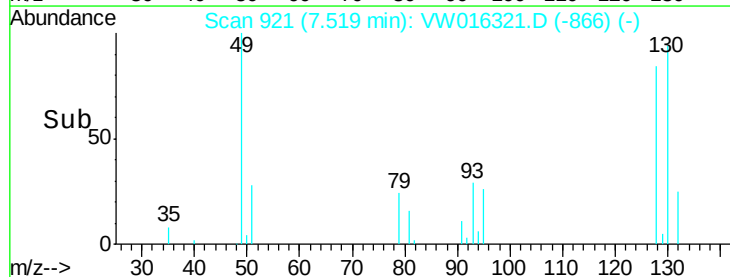
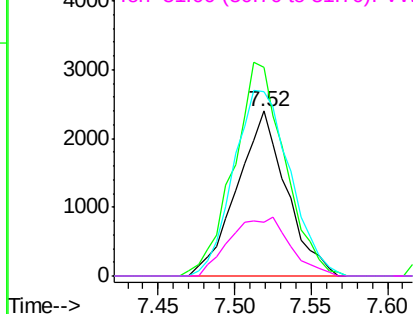
#23

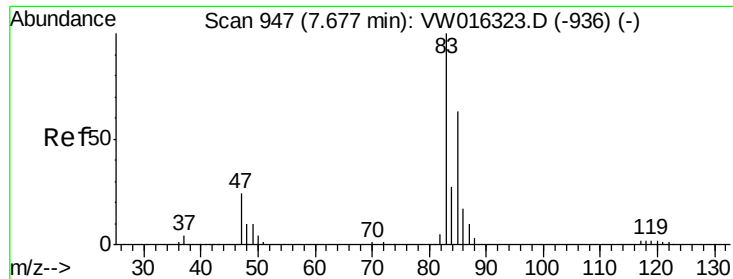
Bromochloromethane
Concen: 2.637 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

Tgt Ion: 128 Resp: 5404
Ion Ratio Lower Upper
128 100
49 126.4 94.5 175.5
130 111.9 83.0 154.1
51 32.9 33.4 50.0#



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

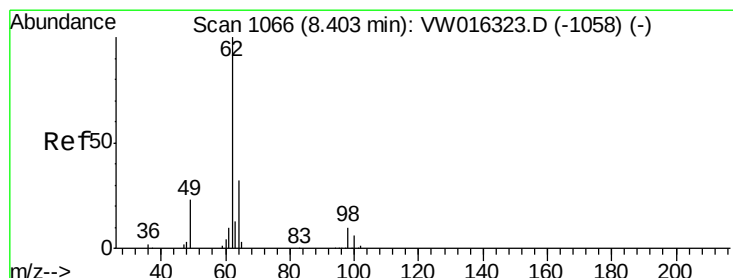
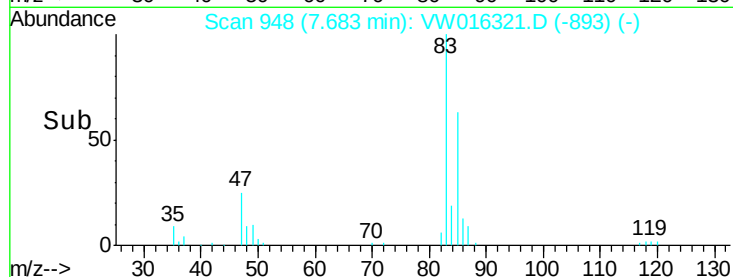
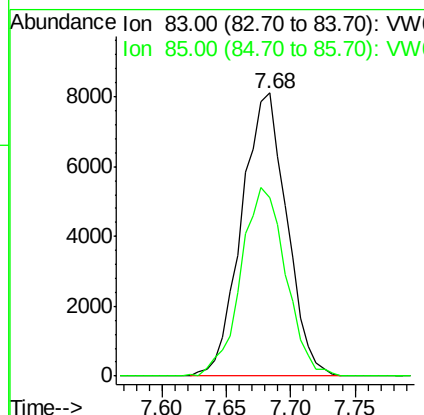
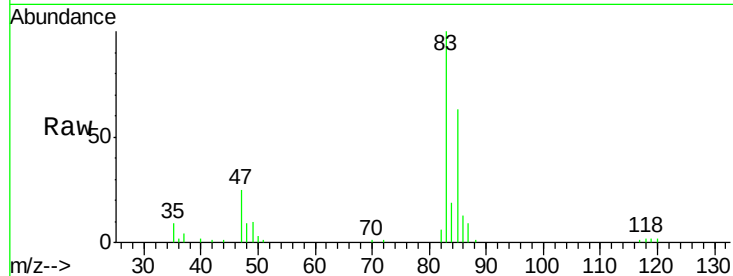




#25
Chloroform
Concen: 2.505 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

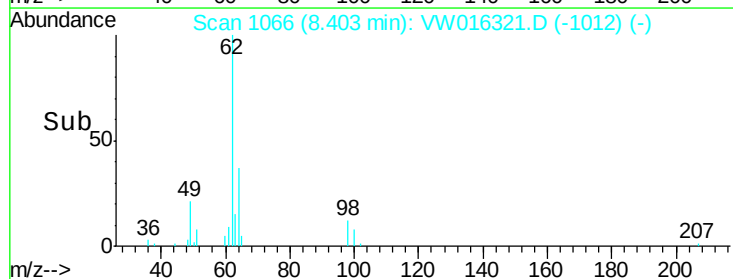
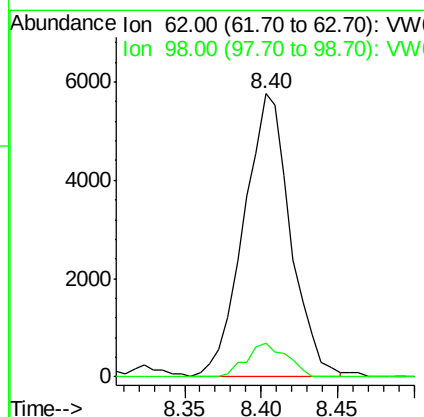
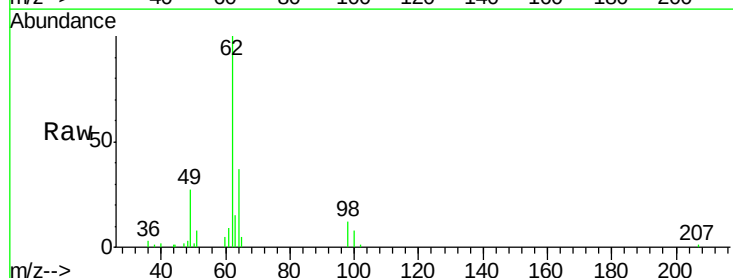
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

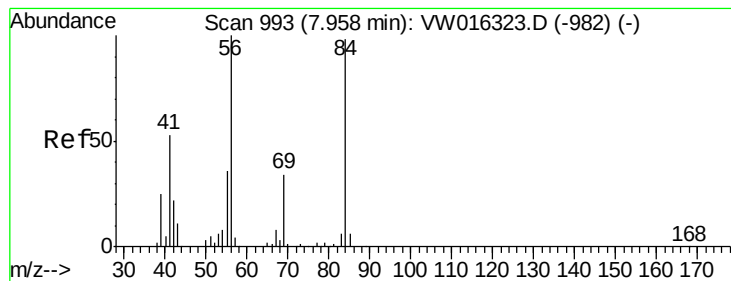
Tgt Ion: 83 Resp: 19701
Ion Ratio Lower Upper
83 100
85 66.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 2.359 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

Tgt Ion: 62 Resp: 12217
Ion Ratio Lower Upper
62 100
98 11.8 7.8 11.8





#30

Cyclohexane

Concen: 2.441 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

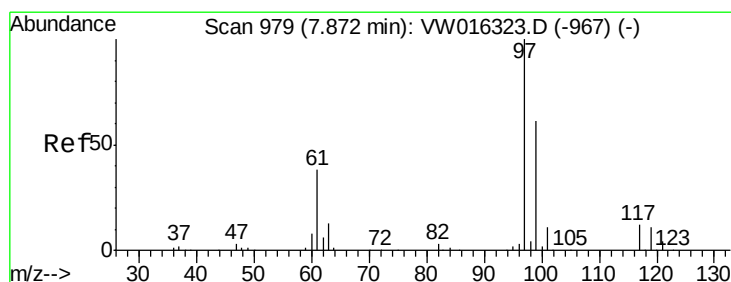
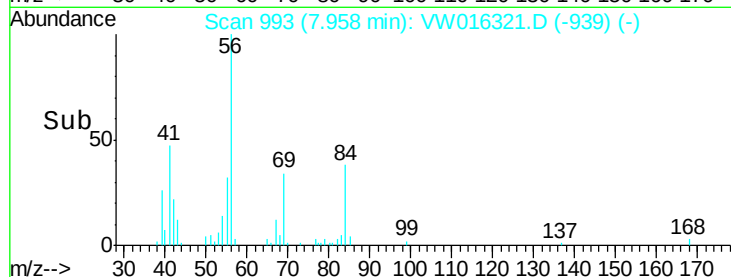
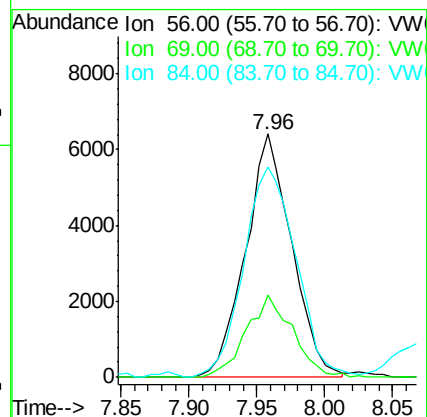
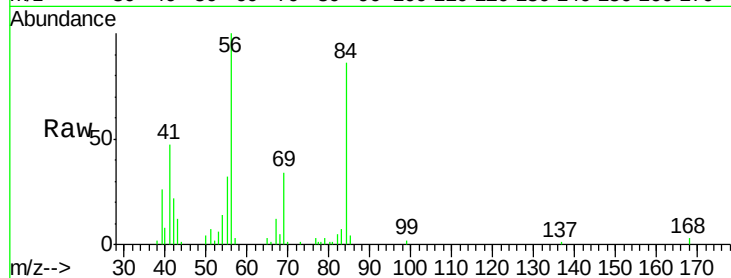
Tgt Ion: 56 Resp: 15220

Ion Ratio Lower Upper

56 100

69 33.7 26.6 40.0

84 97.6 78.4 117.6



#31

1,1,1-Trichloroethane

Concen: 2.689 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

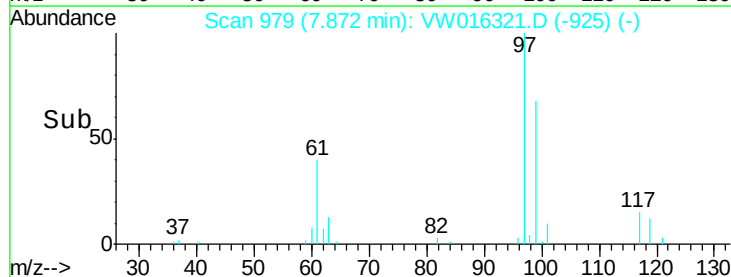
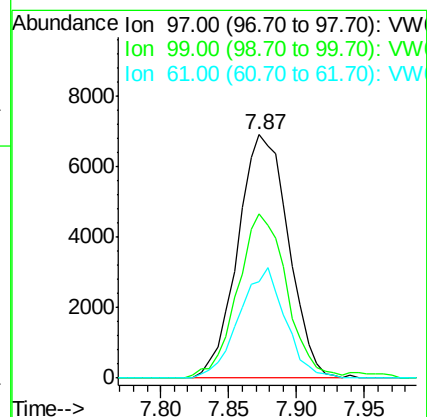
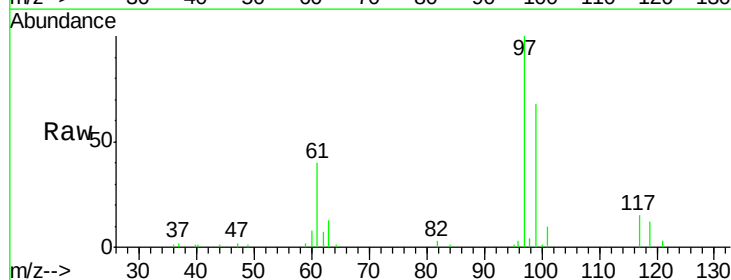
Tgt Ion: 97 Resp: 17982

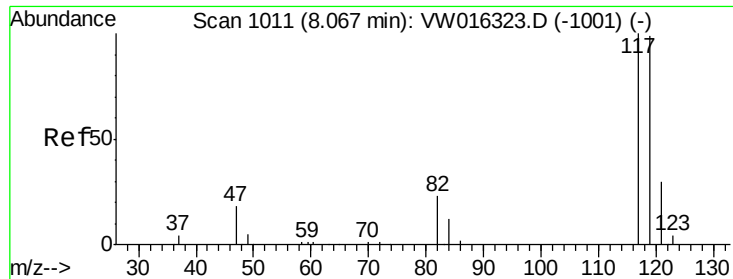
Ion Ratio Lower Upper

97 100

99 65.6 51.5 77.3

61 41.3 32.0 48.0





#32

Carbon tetrachloride

Concen: 2.684 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

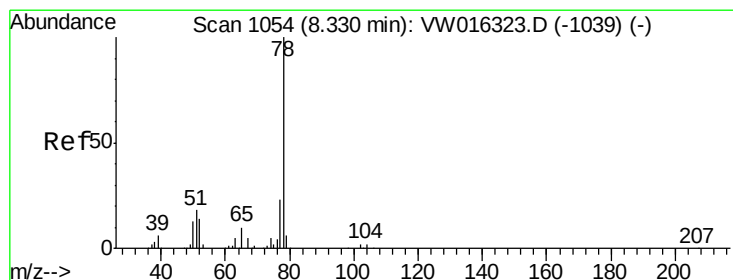
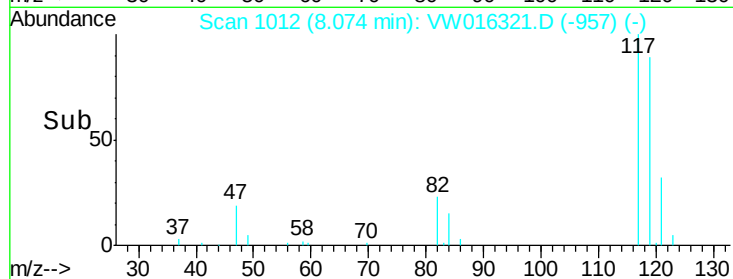
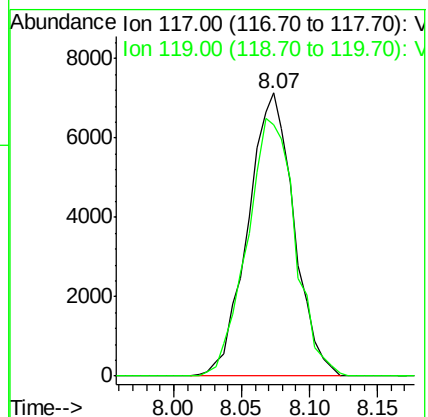
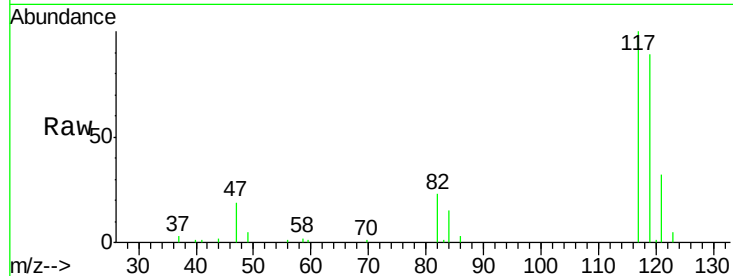
VSTD2.502

Tgt Ion:117 Resp: 16966

Ion Ratio Lower Upper

117 100

119 94.6 77.3 115.9



#34

Benzene

Concen: 2.576 ug/L

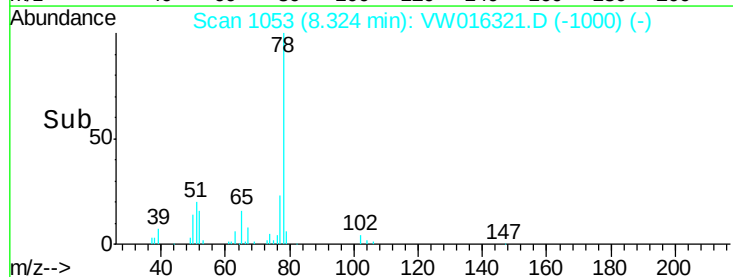
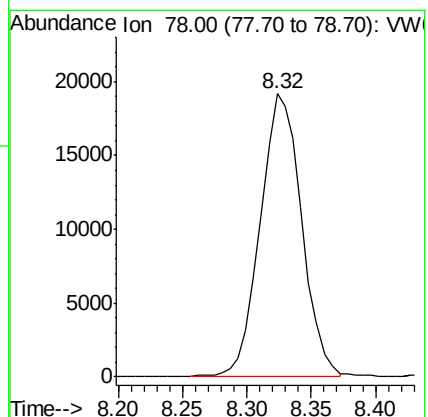
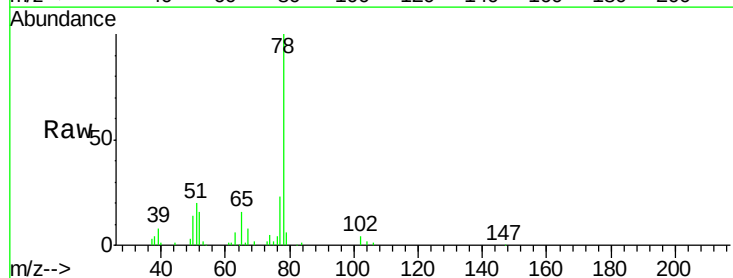
RT: 8.32 min Scan# 1053

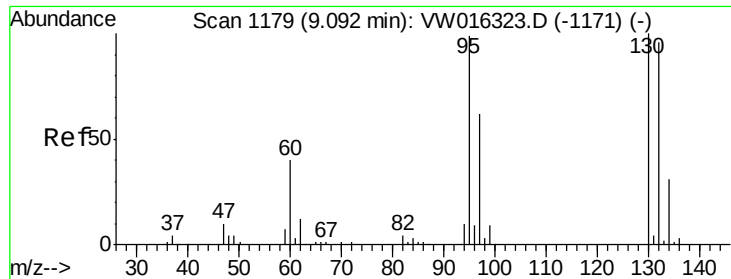
Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Tgt Ion: 78 Resp: 42764

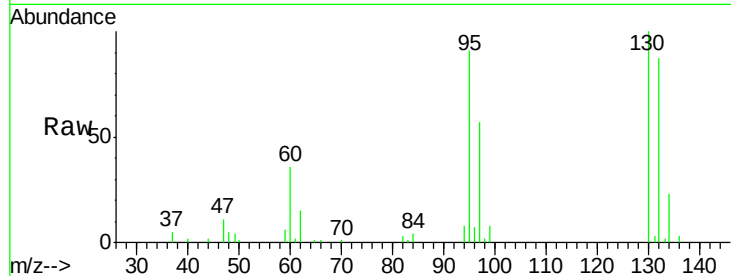




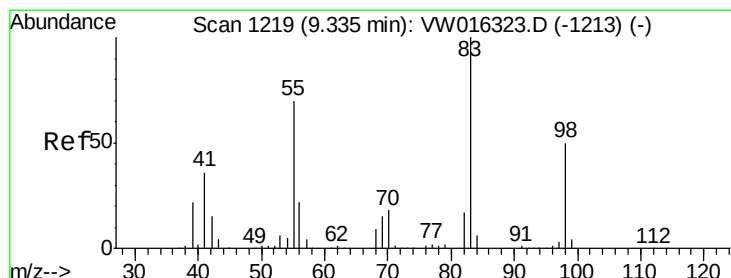
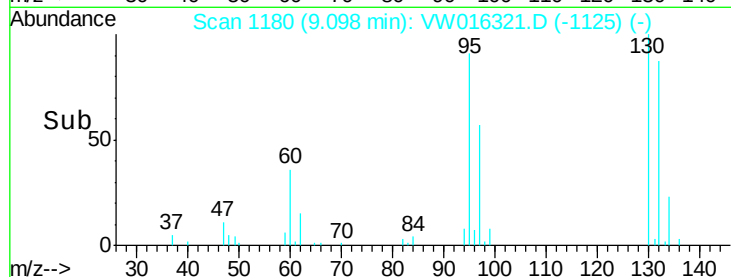
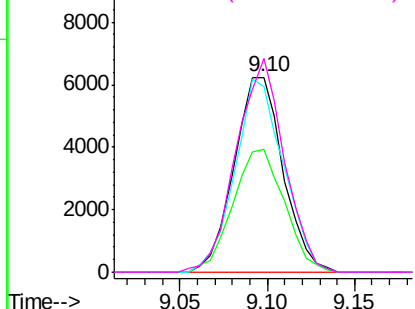
#35
 Trichloroethene
 Concen: 2.694 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Tgt Ion: 95 Resp: 12149
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.9 83.5
 132 98.5 68.2 126.6
 130 107.1 71.5 132.9

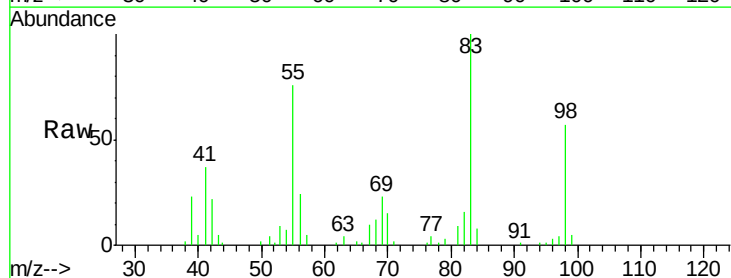


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

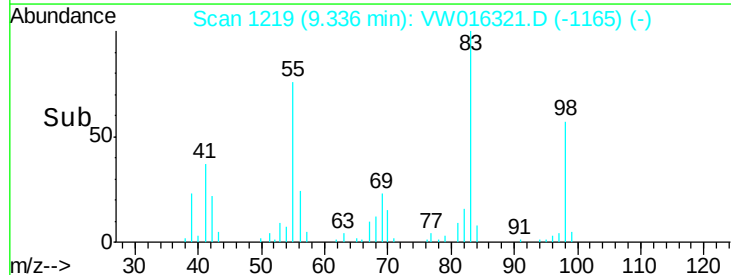
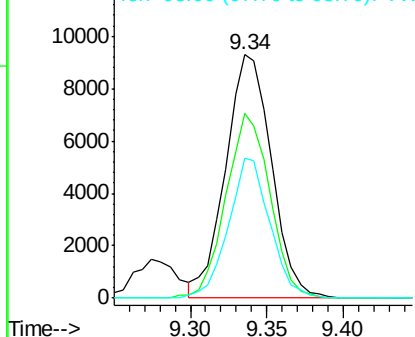


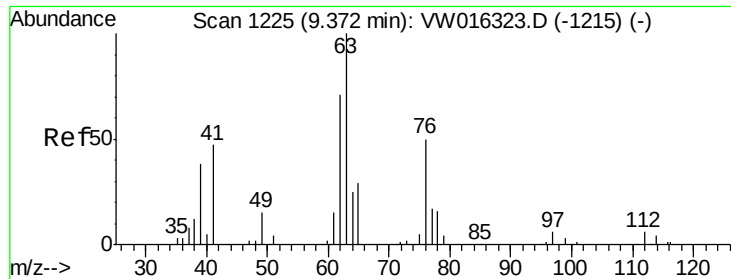
#36
 Methylcyclohexane
 Concen: 2.614 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion: 83 Resp: 19332
 Ion Ratio Lower Upper
 83 100
 55 72.6 55.6 83.4
 98 51.8 40.6 61.0



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

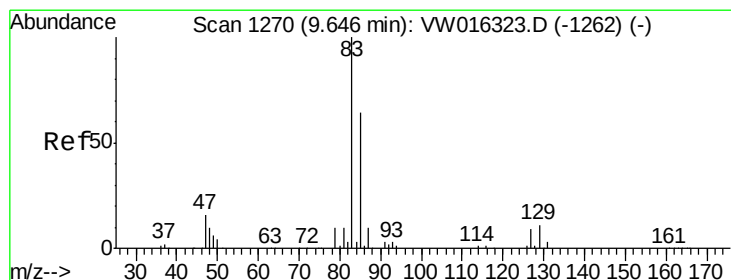
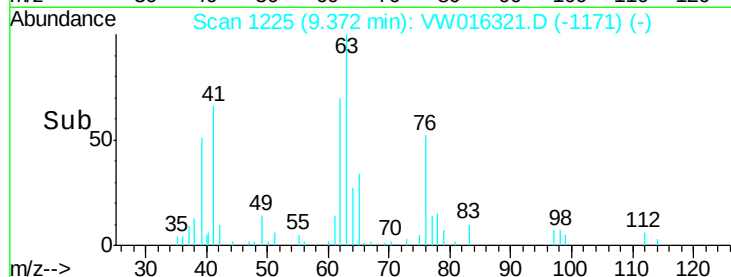
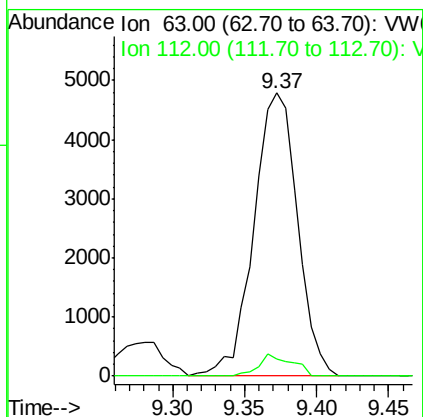
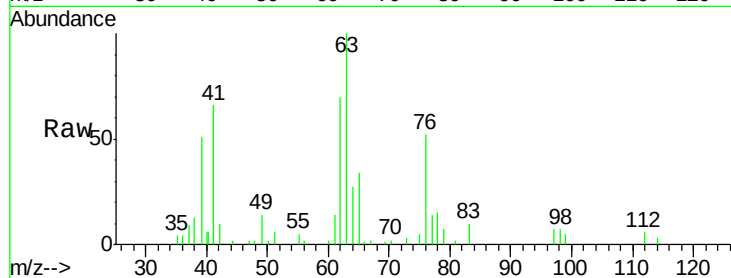




#40
 1,2-Dichloropropane
 Concen: 2.495 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

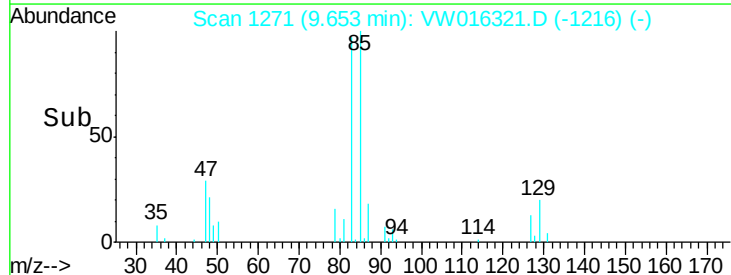
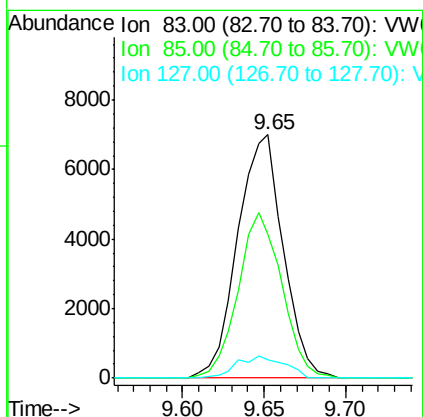
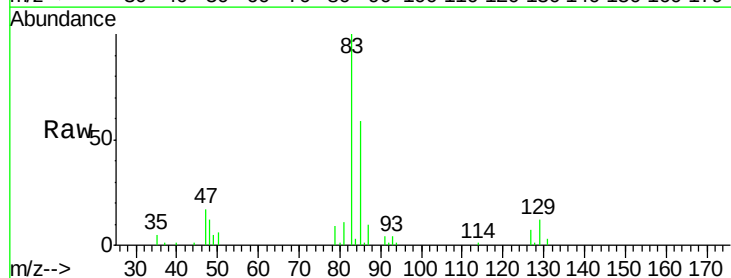
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

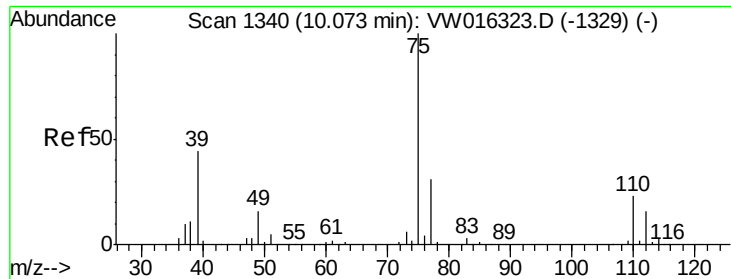
Tgt Ion: 63 Resp: 10067
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.4 6.6



#41
 Bromodichloromethane
 Concen: 2.429 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion: 83 Resp: 13652
 Ion Ratio Lower Upper
 83 100
 85 59.2 44.7 83.1
 127 7.5 7.0 10.4

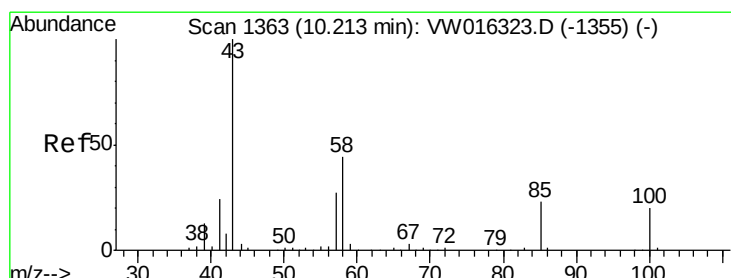
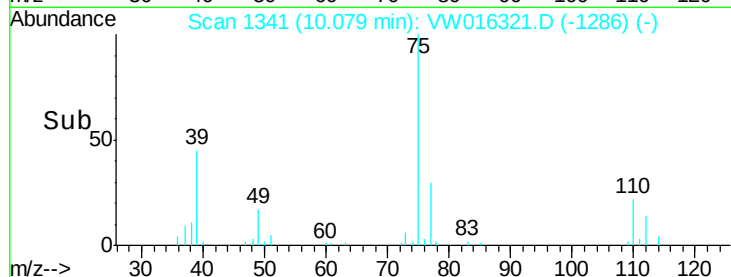
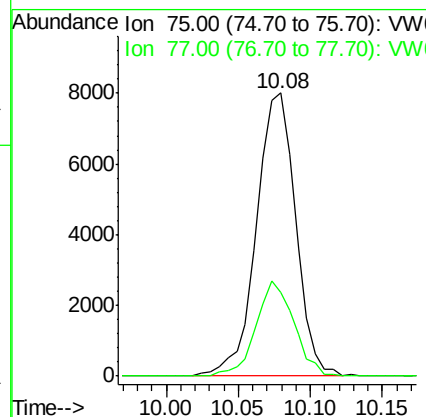
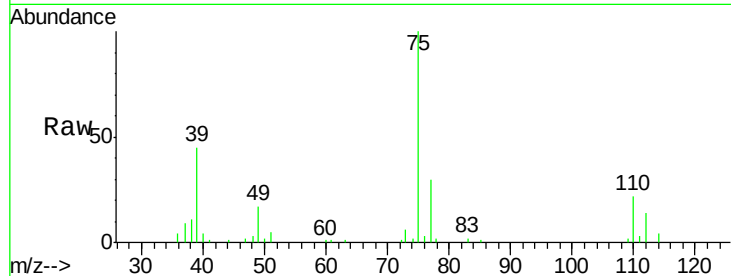




#42
 cis-1,3-Dichloropropene
 Concen: 2.412 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

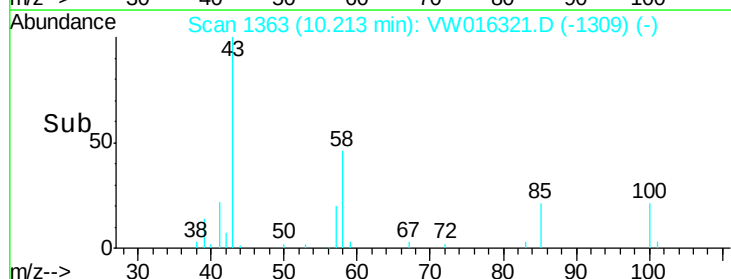
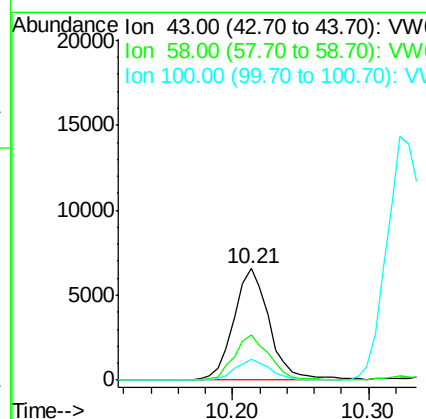
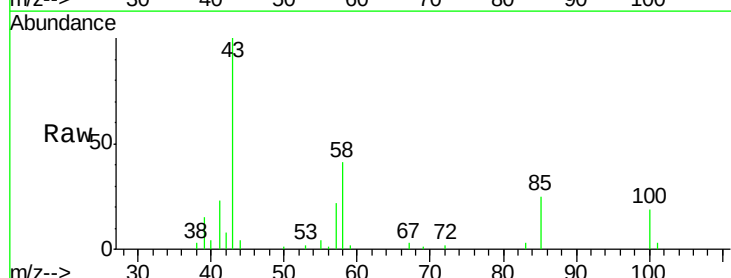
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.502

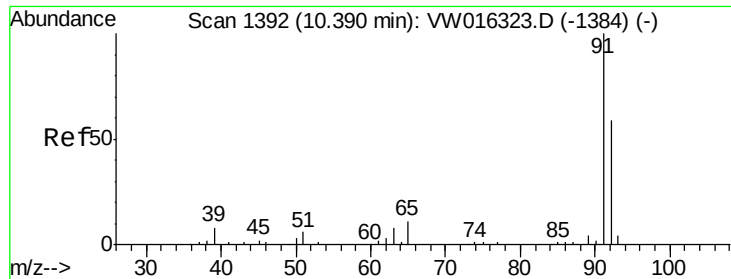
Tgt Ion: 75 Resp: 15096
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.0 40.8



#43
 4-Methyl-2-pentanone
 Concen: 4.890 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion: 43 Resp: 11909
 Ion Ratio Lower Upper
 43 100
 58 40.1 34.9 52.3
 100 17.8 15.9 23.9





#44

Toluene

Concen: 2.558 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

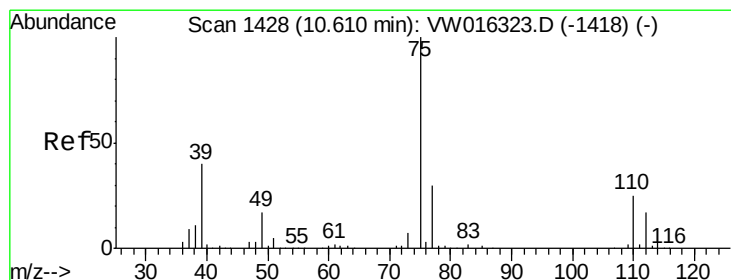
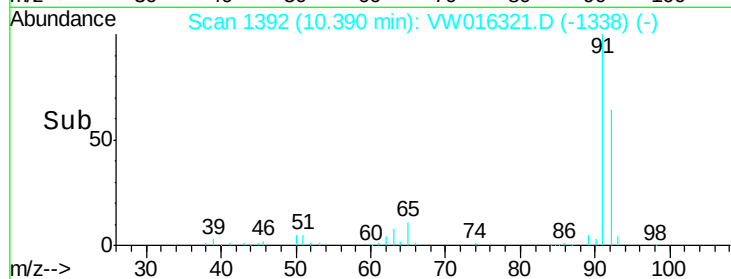
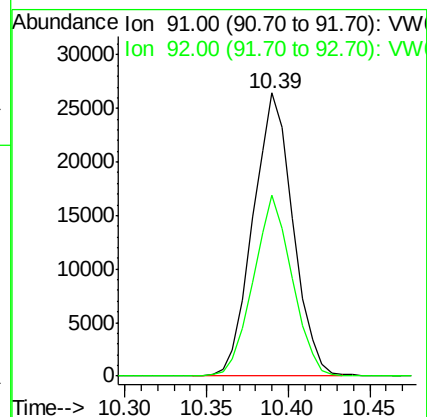
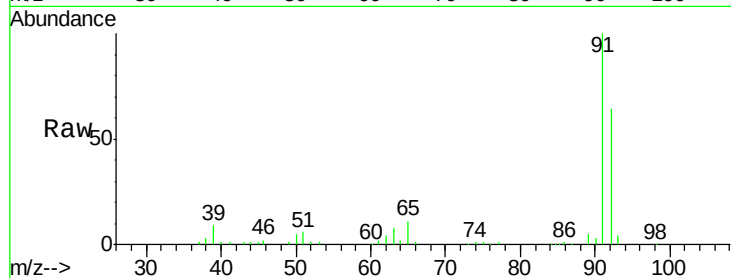
VSTD2.502

Tgt Ion: 91 Resp: 45029

Ion Ratio Lower Upper

91 100

92 63.8 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.281 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016321.D

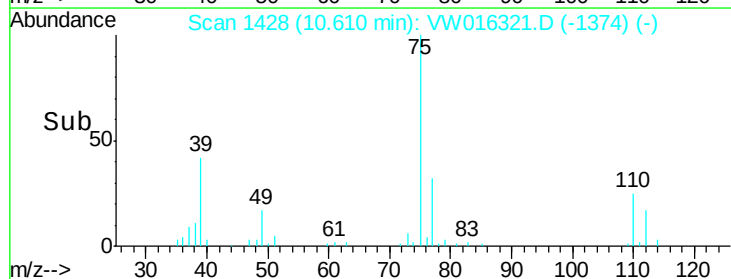
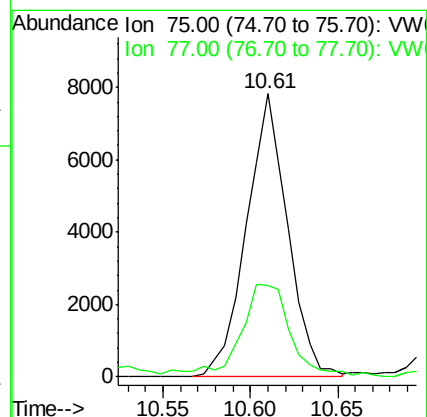
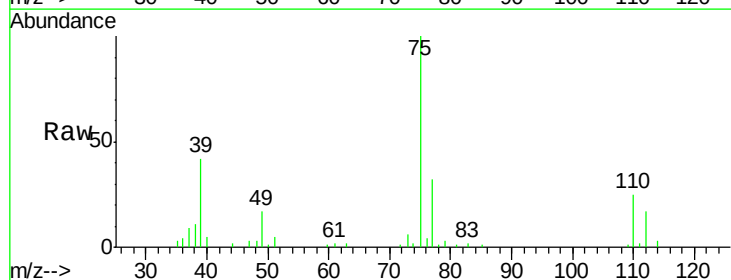
Acq: 24 Aug 2020 10:37

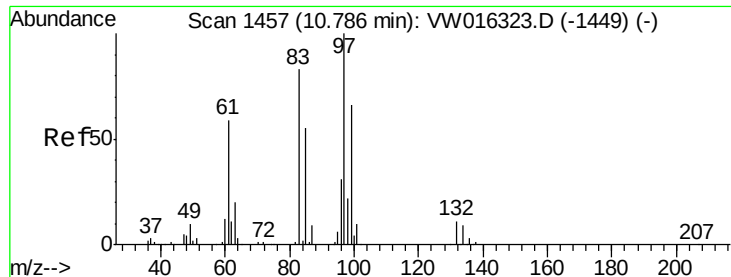
Tgt Ion: 75 Resp: 12830

Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.5





#46

1,1,2-Trichloroethane

Concen: 2.476 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

Tgt Ion: 97 Resp: 8011

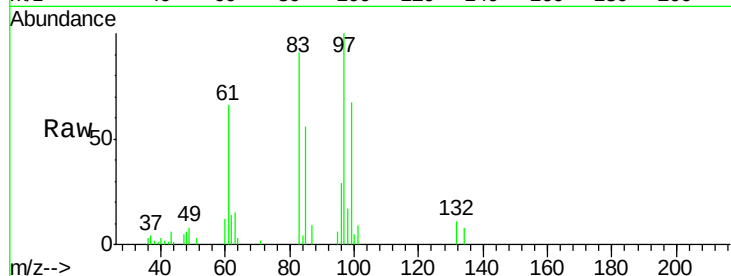
Ion Ratio Lower Upper

97 100

83 91.2 57.9 107.5

85 55.6 38.8 72.0

99 66.6 46.4 86.2

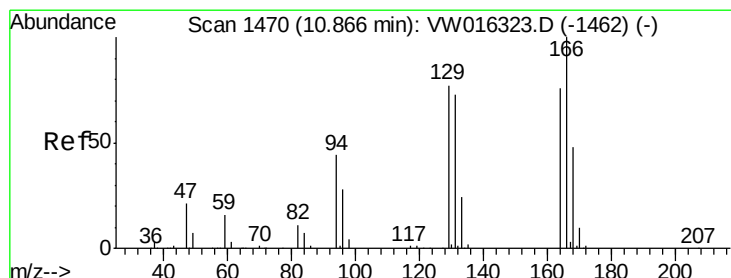
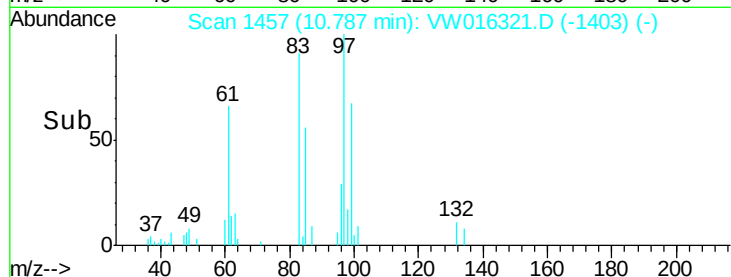
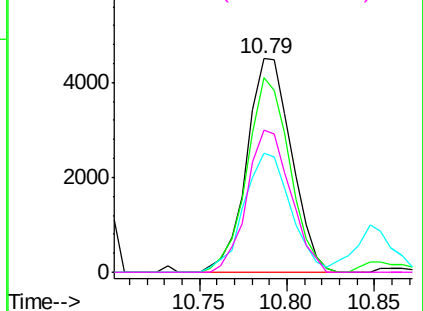


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.928 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Tgt Ion: 164 Resp: 10015

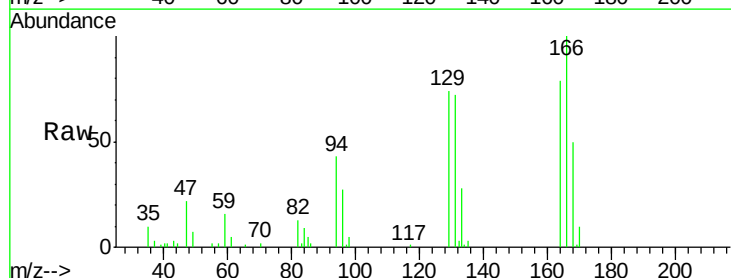
Ion Ratio Lower Upper

164 100

129 93.4 71.5 132.7

131 90.9 67.4 125.2

166 125.9 92.5 171.9

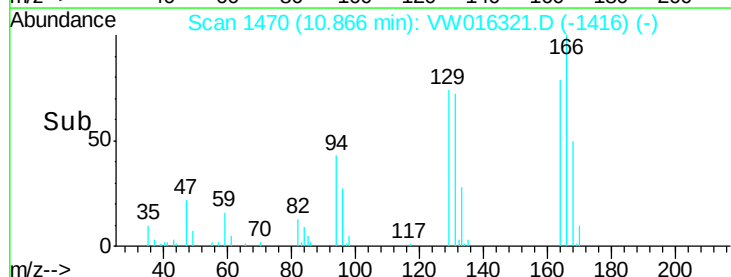
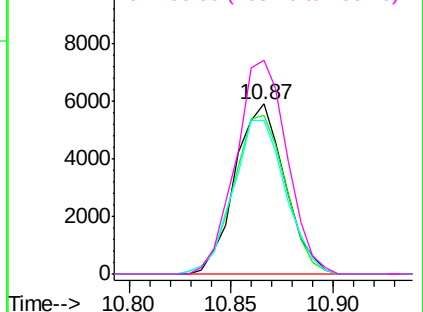


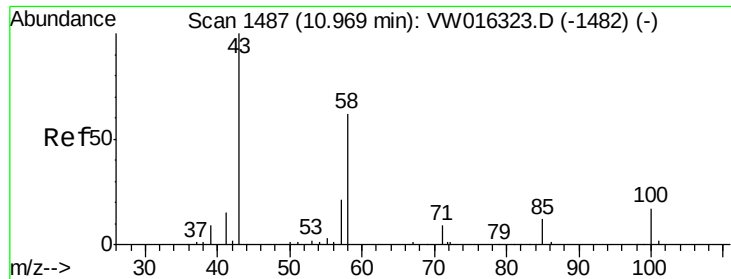
Abundance Ion 164.00 (163.70 to 164.70): V

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

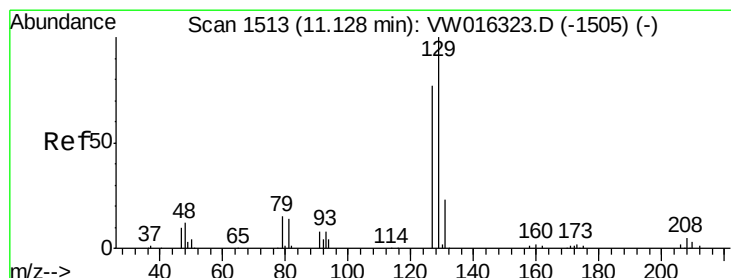
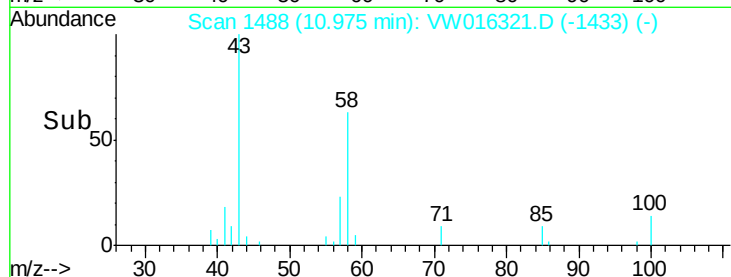
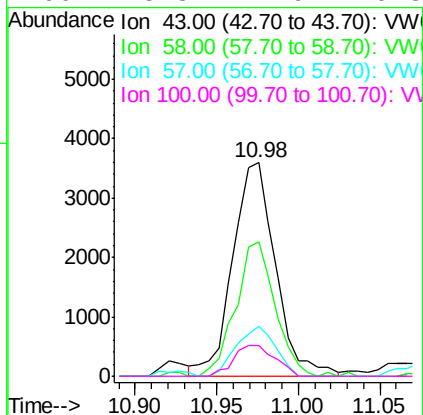
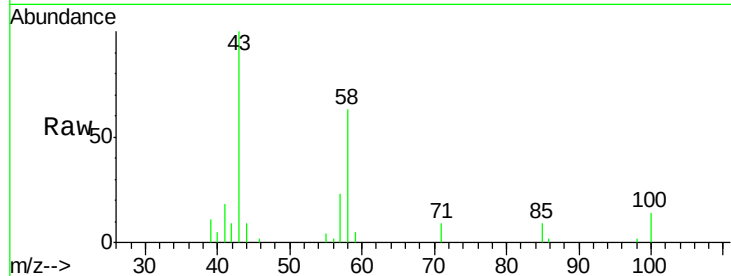




#49
2-Hexanone
Concen: 4.036 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

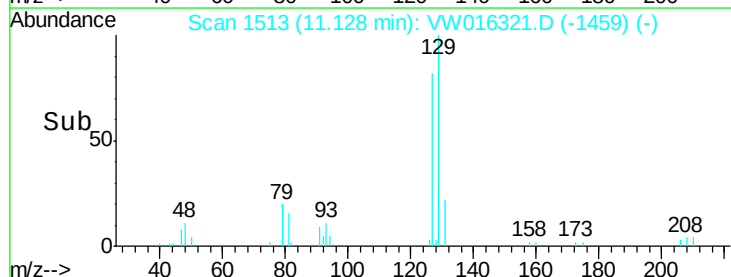
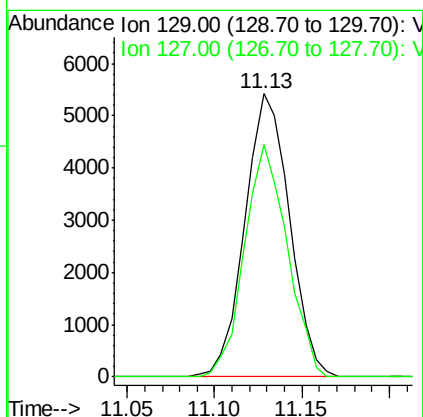
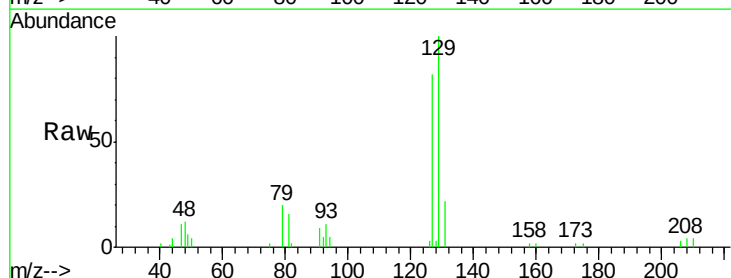
Instrument :
MSVOA_W
ClientSampled :
VSTD2.502

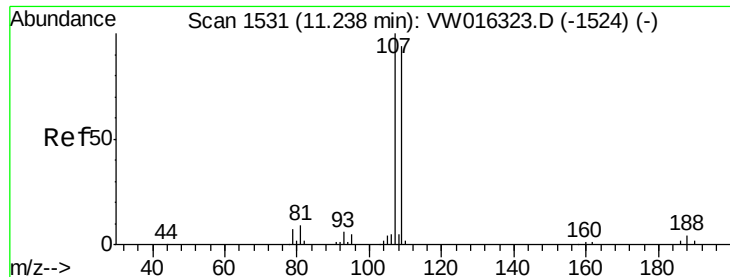
Tgt Ion: 43 Resp: 6578
Ion Ratio Lower Upper
43 100
58 57.7 49.5 74.3
57 21.3 17.7 26.5
100 13.8 12.9 19.3



#50
Dibromochloromethane
Concen: 2.512 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

Tgt Ion: 129 Resp: 9701
Ion Ratio Lower Upper
129 100
127 82.1 53.8 99.8

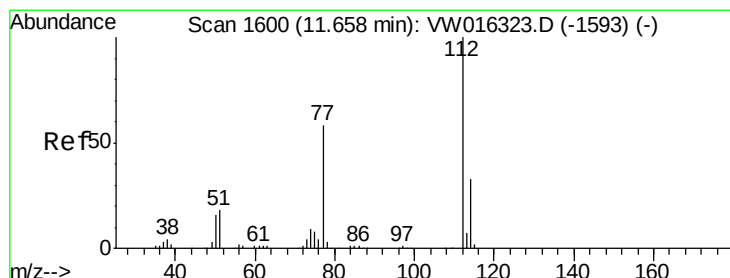
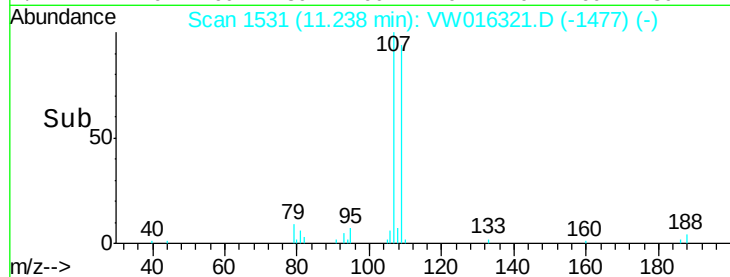
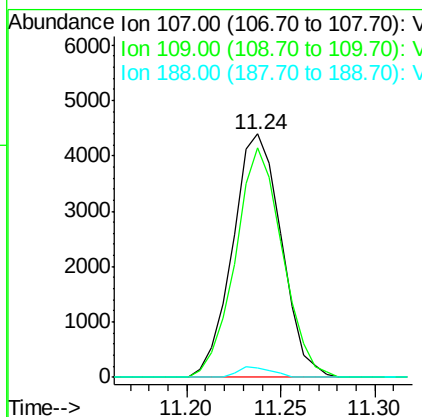
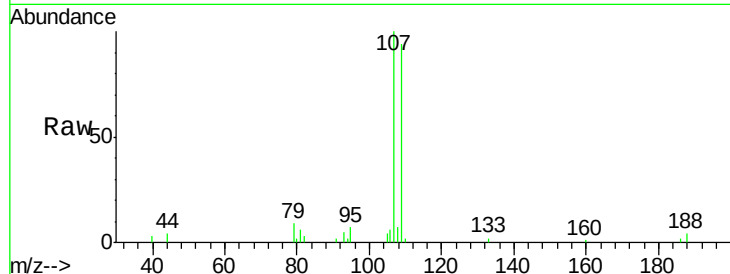




#51
 1,2-Dibromoethane
 Concen: 2.550 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

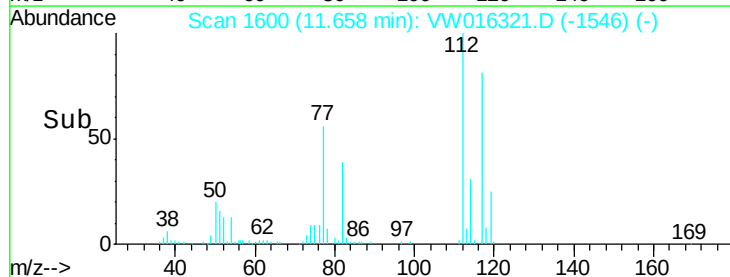
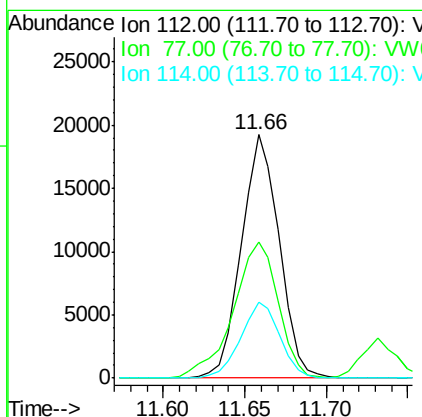
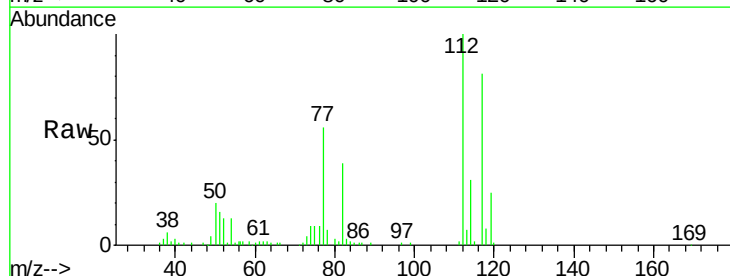
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

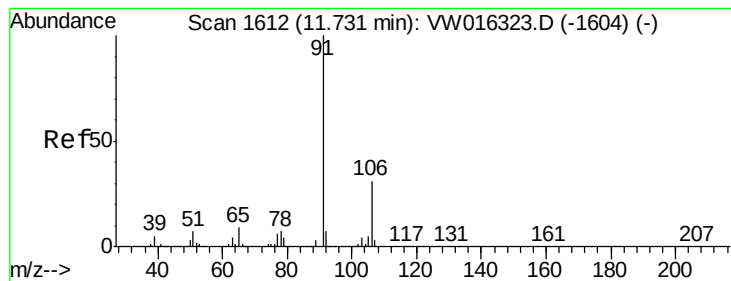
Tgt Ion:107 Resp: 7859
 Ion Ratio Lower Upper
 107 100
 109 94.5 65.7 121.9
 188 4.1 3.3 4.9



#52
 Chlorobenzene
 Concen: 2.649 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion:112 Resp: 31057
 Ion Ratio Lower Upper
 112 100
 77 55.7 46.9 70.3
 114 31.4 23.3 43.3





#53

Ethylbenzene

Concen: 2.589 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

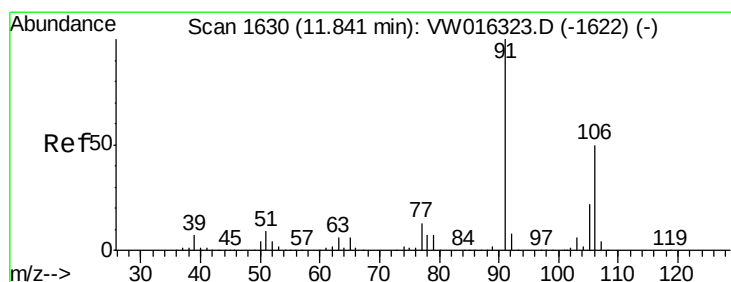
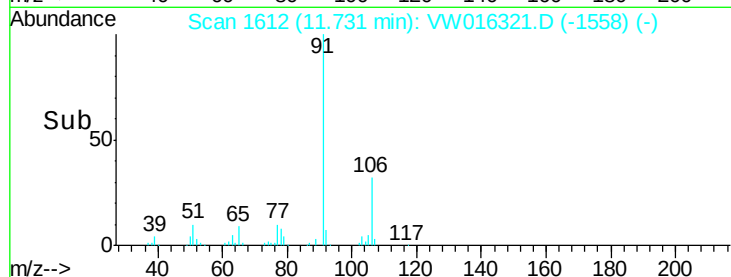
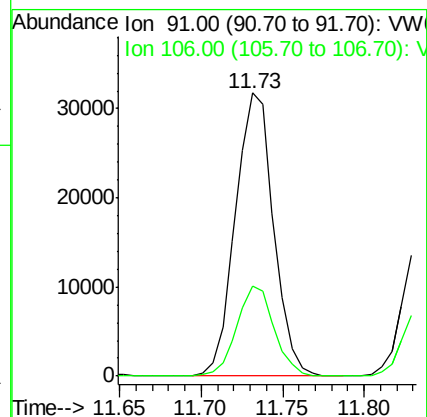
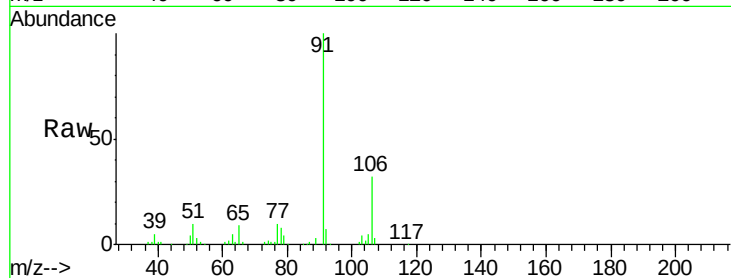
VSTD2.502

Tgt Ion: 91 Resp: 51818

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#54

m,p-Xylene

Concen: 2.679 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016321.D

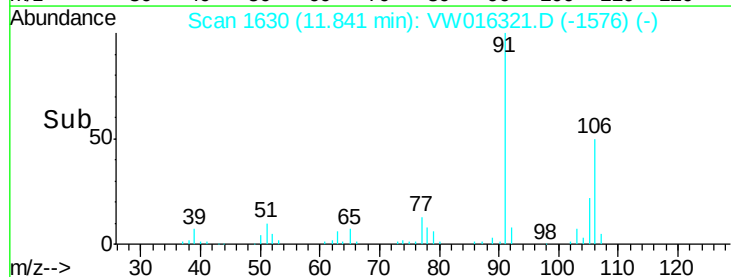
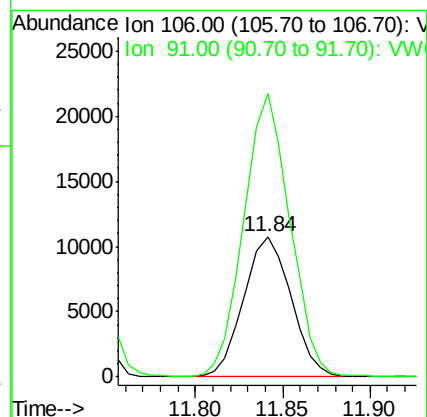
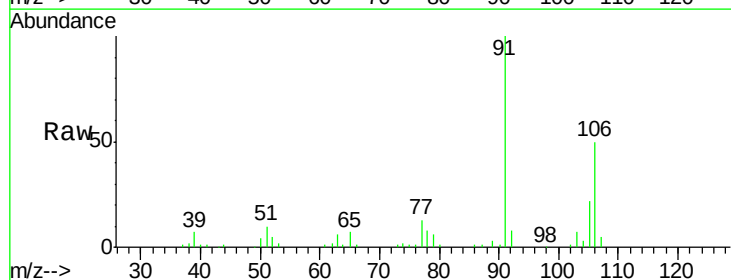
Acq: 24 Aug 2020 10:37

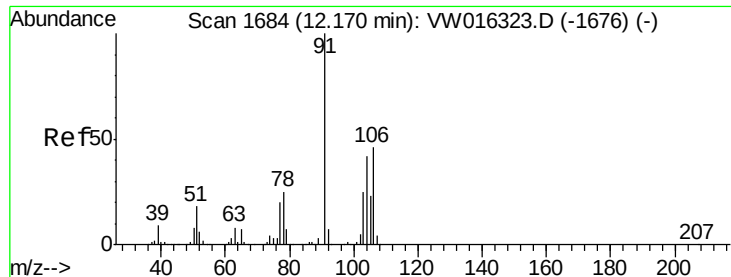
Tgt Ion: 106 Resp: 20282

Ion Ratio Lower Upper

106 100

91 201.5 138.8 257.8

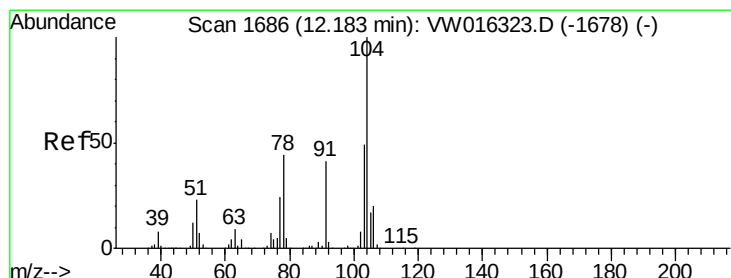
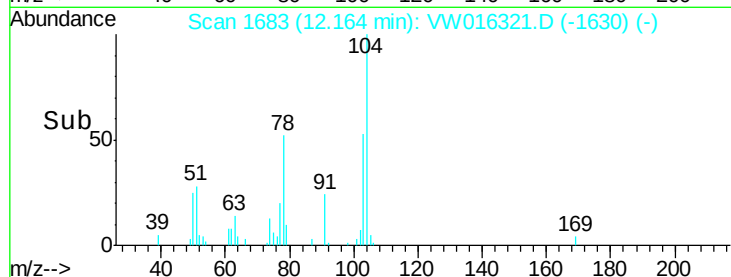
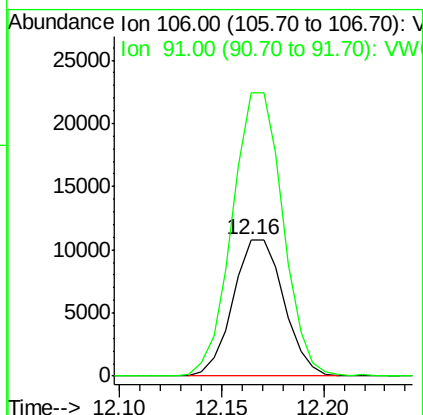
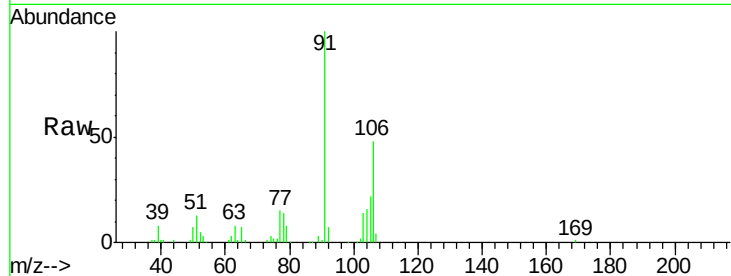




#55
o-xylene
Concen: 2.624 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

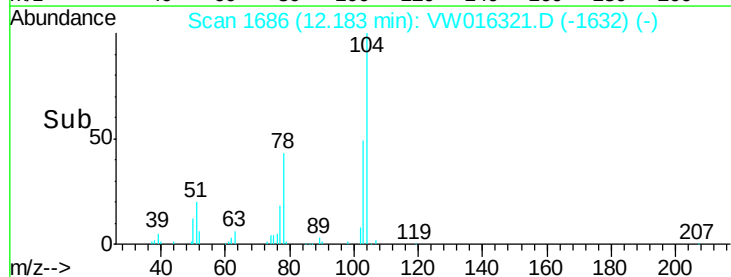
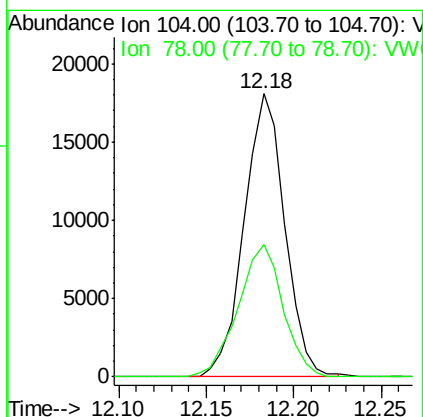
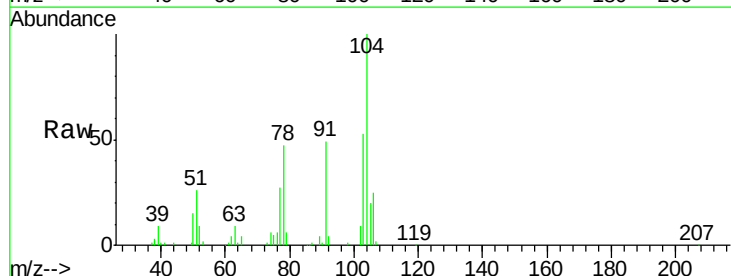
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

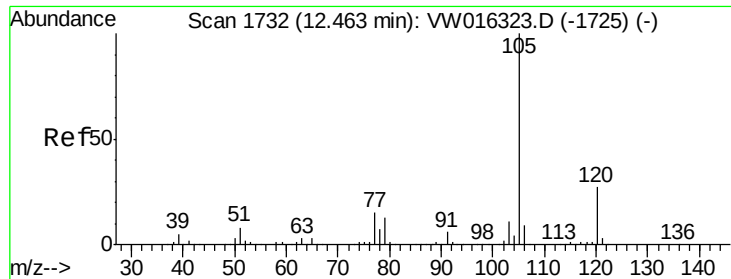
Tgt Ion:106 Resp: 18635
Ion Ratio Lower Upper
106 100
91 207.3 151.3 281.1



#56
Styrene
Concen: 2.384 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016321.D
Acq: 24 Aug 2020 10:37

Tgt Ion:104 Resp: 29248
Ion Ratio Lower Upper
104 100
78 46.9 30.9 57.5





#57

Isopropylbenzene

Concen: 2.664 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTD2.502

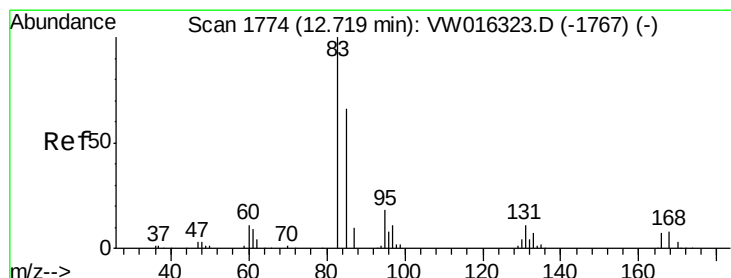
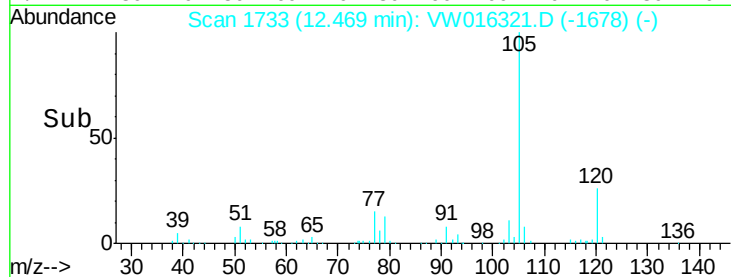
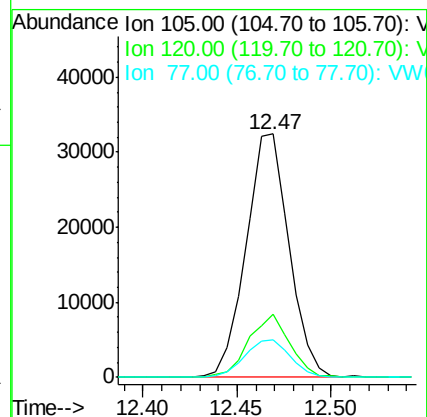
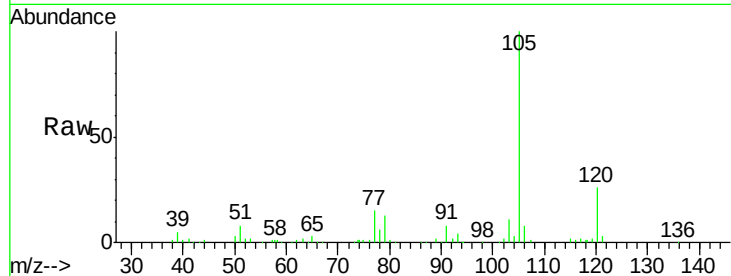
Tgt Ion: 105 Resp: 51335

Ion Ratio Lower Upper

105 100

120 24.6 21.2 31.8

77 16.5 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 2.451 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

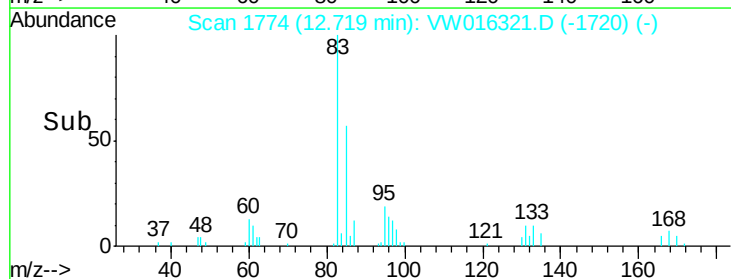
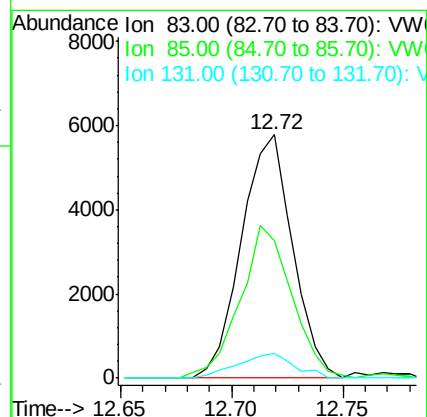
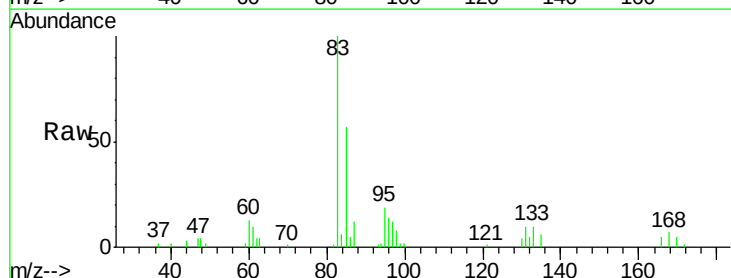
Tgt Ion: 83 Resp: 9260

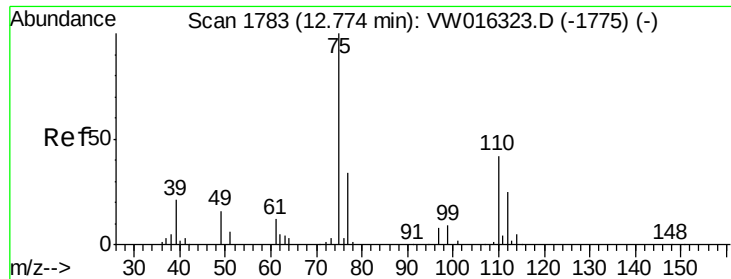
Ion Ratio Lower Upper

83 100

85 56.7 46.0 85.4

131 10.4 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 2.402 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

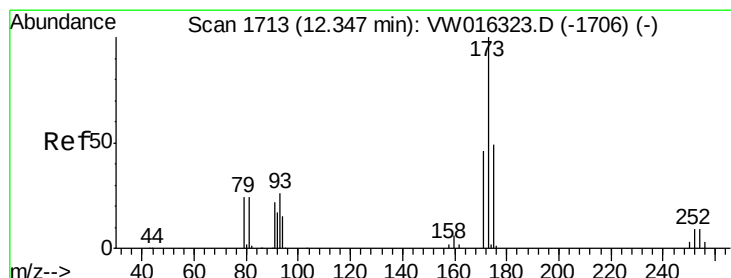
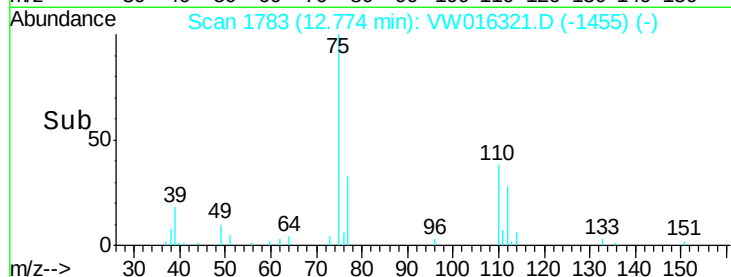
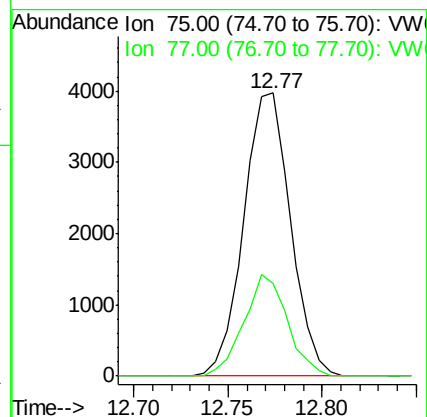
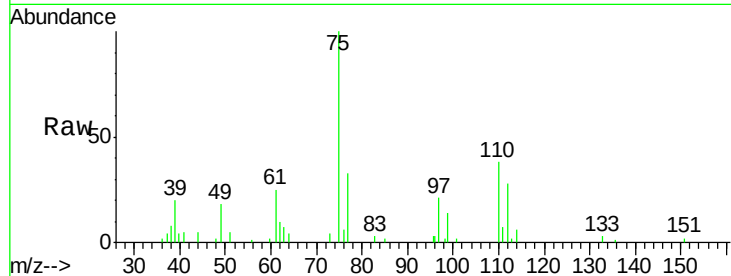
VSTD2.502

Tgt Ion: 75 Resp: 6847

Ion Ratio Lower Upper

75 100

77 33.2 27.1 40.7



#62

Bromoform

Concen: 2.528 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

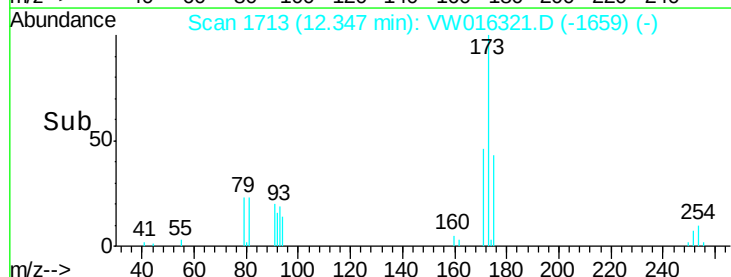
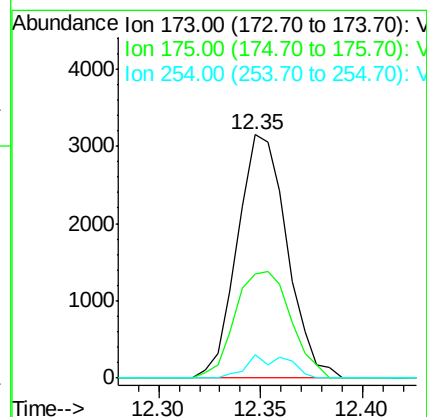
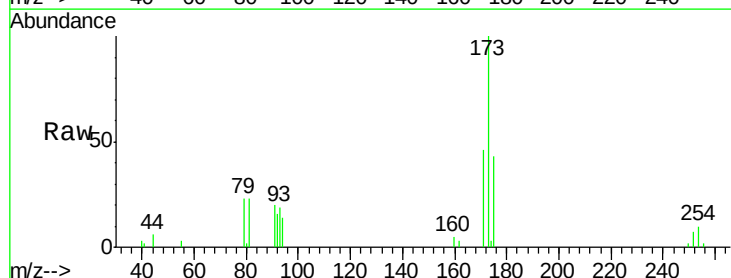
Tgt Ion: 173 Resp: 5318

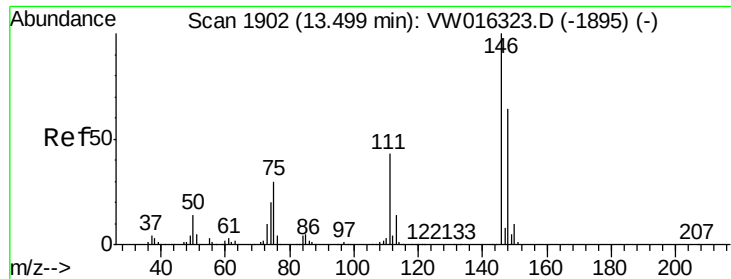
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 4.4 6.9 10.3#

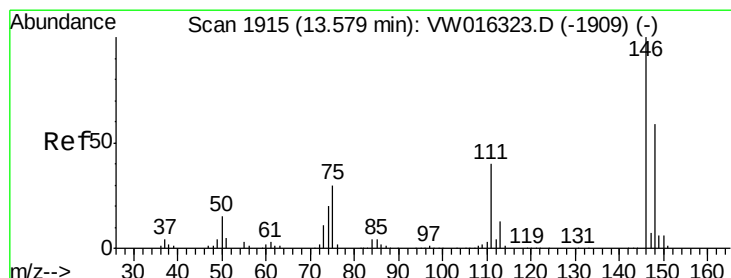
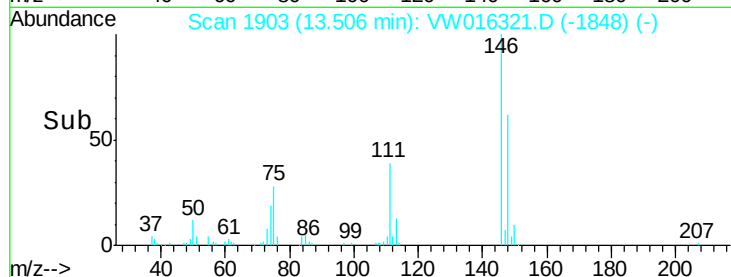
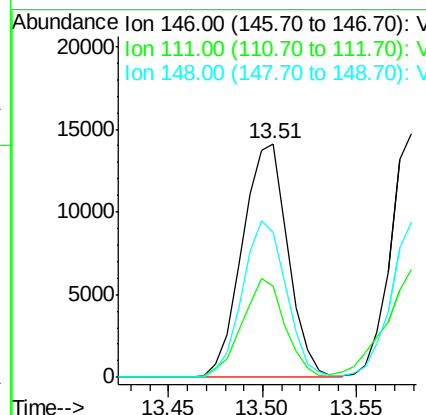
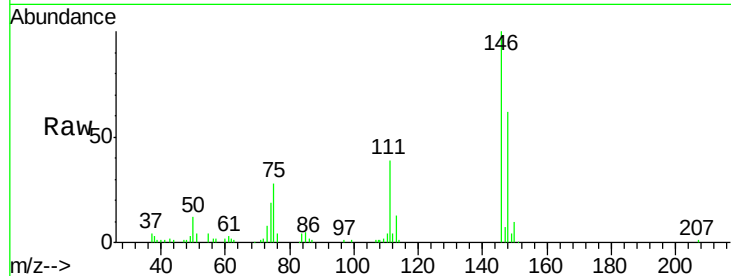




#63
 1,3-Dichlorobenzene
 Concen: 2.726 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

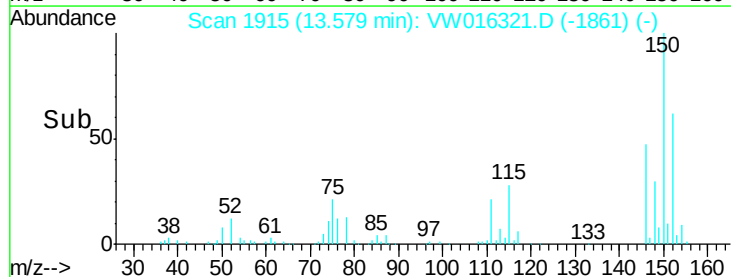
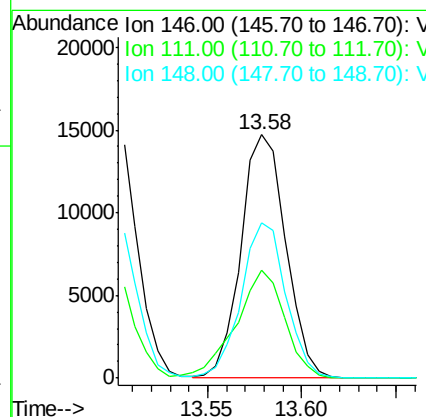
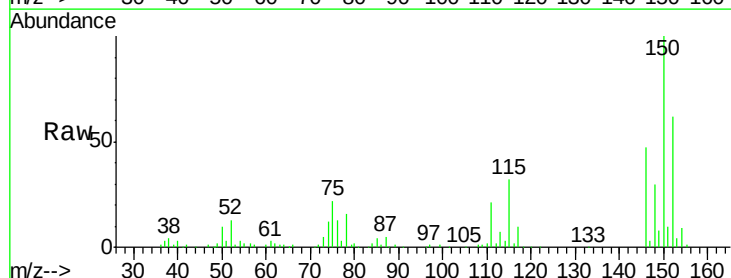
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

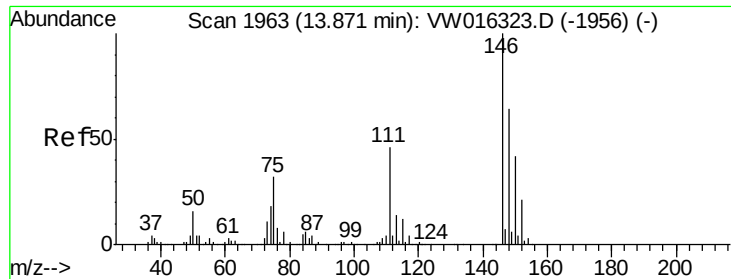
Tgt Ion:146 Resp: 23701
 Ion Ratio Lower Upper
 146 100
 111 39.3 30.2 56.2
 148 62.0 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 2.725 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion:146 Resp: 24286
 Ion Ratio Lower Upper
 146 100
 111 44.3 28.0 52.0
 148 63.6 41.4 76.8

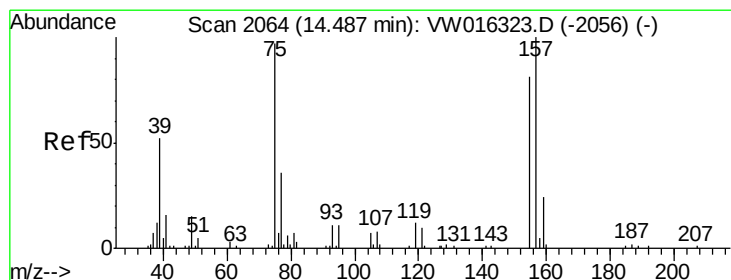
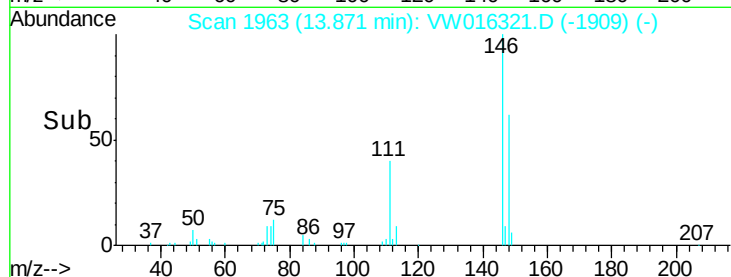
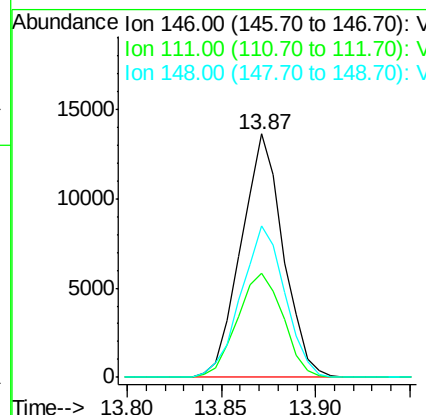
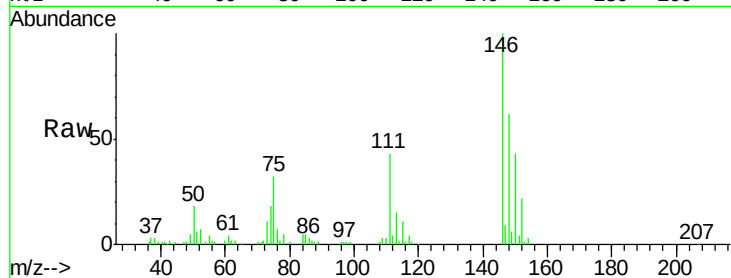




#65
 1,2-Dichlorobenzene
 Concen: 2.655 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

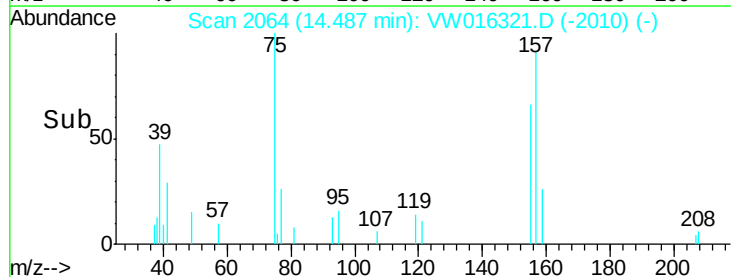
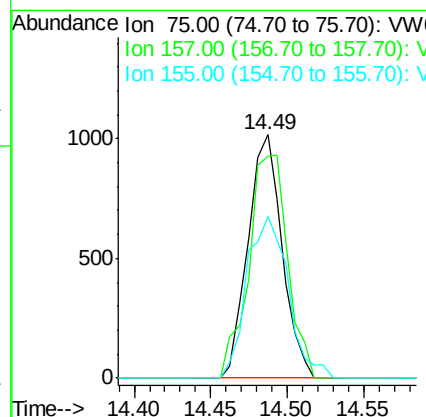
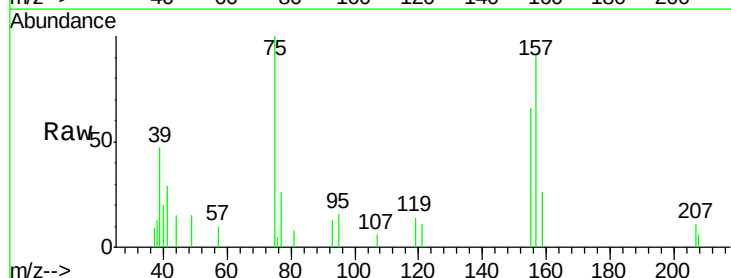
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

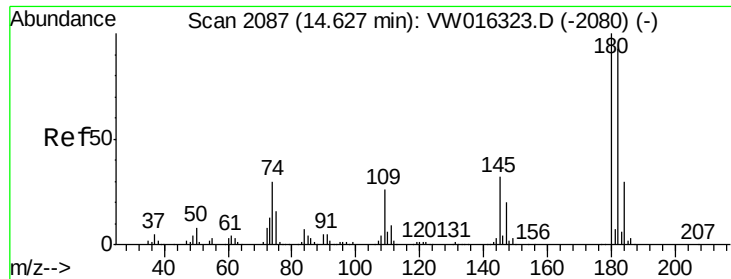
Tgt Ion:146 Resp: 21108
 Ion Ratio Lower Upper
 146 100
 111 42.7 36.9 55.3
 148 62.0 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.272 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion: 75 Resp: 1575
 Ion Ratio Lower Upper
 75 100
 157 91.1 82.2 123.4
 155 66.4 66.8 100.2#

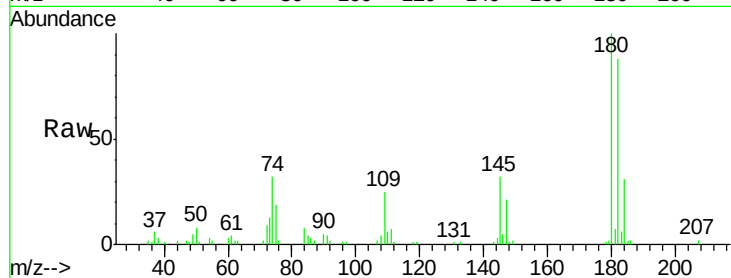




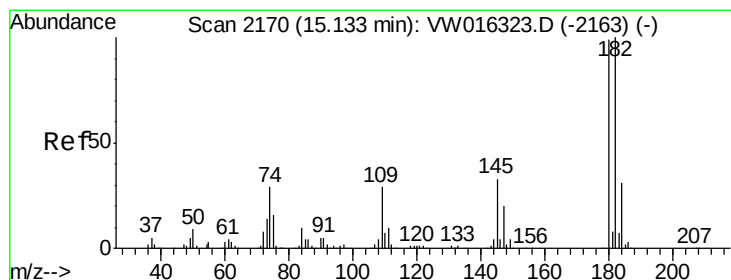
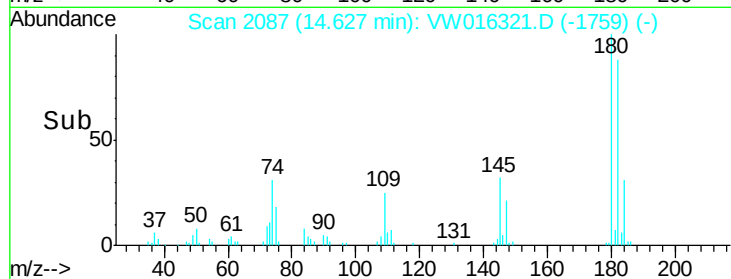
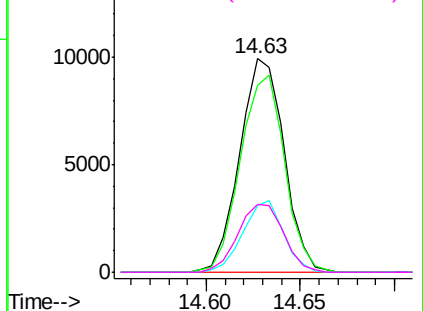
#67
 1,3,5-Trichlorobenzene
 Concen: 2.881 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Tgt Ion:	180	Resp:	16251
Ion	Ratio	Lower	Upper
180	100		
182	92.2	77.4	116.2
184	30.6	24.4	36.6
145	32.8	25.6	38.4

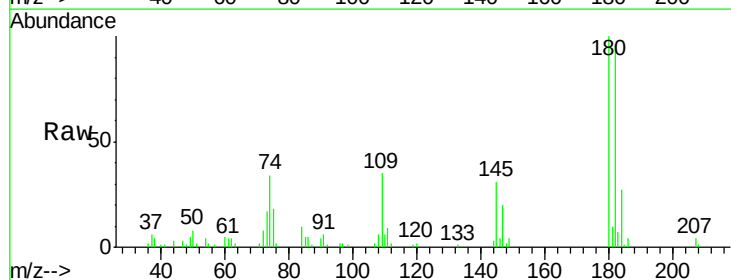


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

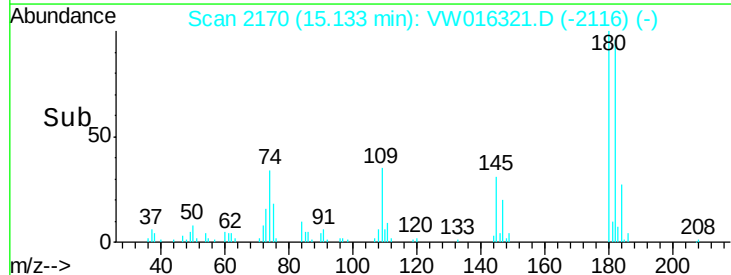
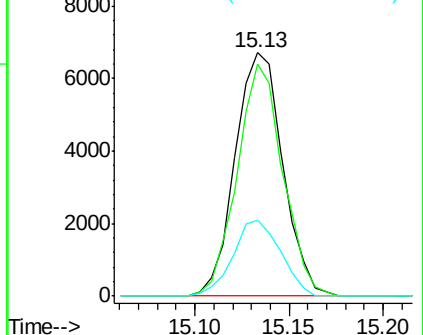


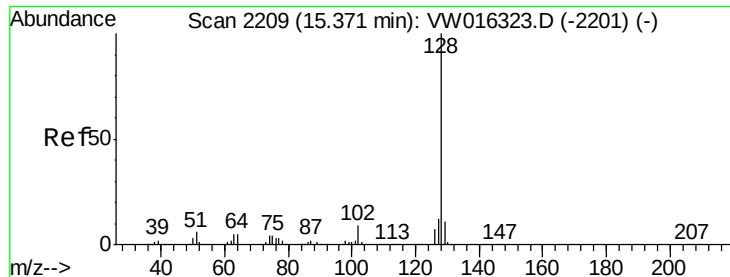
#68
 1,2,4-trichlorobenzene
 Concen: 2.559 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016321.D
 Acq: 24 Aug 2020 10:37

Tgt Ion:	180	Resp:	11753
Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.5	114.7
145	31.1	26.0	39.0



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





#69

Naphthalene

Concen: 2.023 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

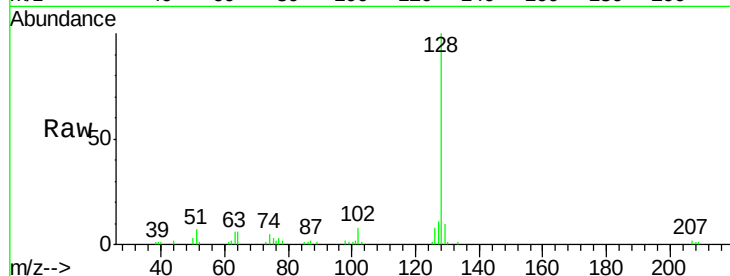
Tgt Ion:128 Resp: 19377

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

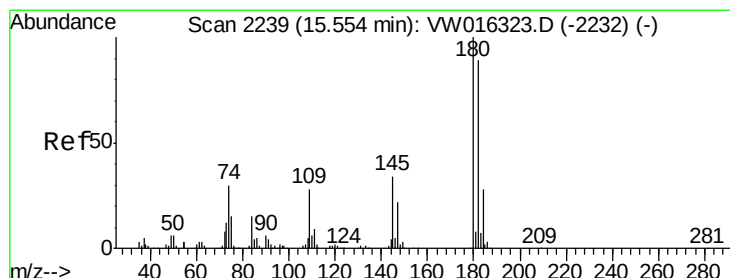
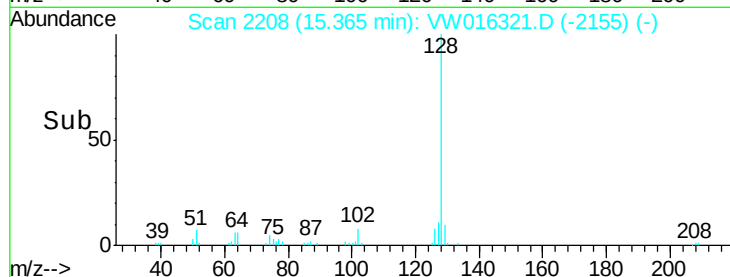
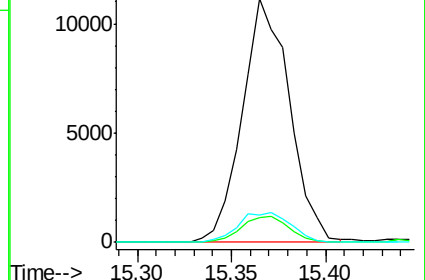
127 13.7 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.615 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016321.D

Acq: 24 Aug 2020 10:37

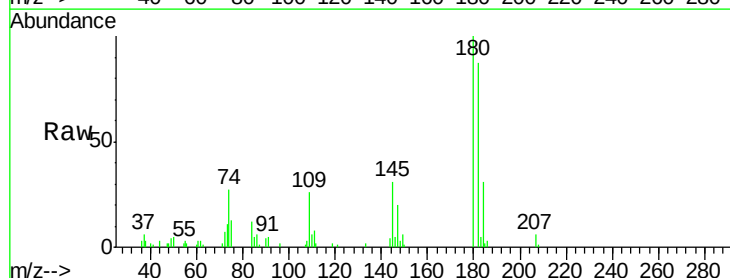
Tgt Ion:180 Resp: 10764

Ion Ratio Lower Upper

180 100

182 90.9 77.0 115.4

145 35.7 28.6 42.8



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

