

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016461.D
 Acq On : 04 Sep 2020 13:43
 Operator : SY/VA
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 08 01:02:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:55:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	751462	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	681138	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	325084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	183237	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
7) Chloroethane-d5	2.90	69	170361	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.20%
10) 1,1-Dichloroethene-d2	4.03	63	302026	16.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.92%
20) 2-Butanone-d5	7.08	46	135462	47.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.14%
24) Chloroform-d	7.65	84	417409	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.46	65	86	0.01	ug/L	0.15
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.28	84	846964	24.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.84%
33) 1,2-Dichloropropane-d6	9.28	67	245150	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.40%
37) Toluene-d8	10.33	98	818691	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	10.58	79	123333	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.12%
39) 2-Hexanone-d5	10.93	63	105877	50.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	216104	25.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	282981	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

Target Compounds

					Ovalue
3) Chloromethane	2.21	50	4736	0.642 ug/L	92
6) Bromomethane	2.79	94	4904	0.698 ug/L	95
8) Chloroethane	2.94	64	4407	0.762 ug/L #	71
9) Trichlorofluoromethane	3.26	101	4871	0.633 ug/L	95
13) Acetone	4.12	43	4737	2.592 ug/L	98
14) Carbon disulfide	4.39	76	18054	0.638 ug/L	98
16) Methylene chloride	4.92	84	24952	2.128 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	10543	0.759 ug/L #	74
18) trans-1,2-Dichloroethene	5.43	96	5795	0.589 ug/L	90
19) 1,1-Dichloroethane	6.23	63	10936	0.653 ug/L	93
22) cis-1,2-Dichloroethene	7.18	96	7390	0.721 ug/L	93
23) Bromochloromethane	7.52	128	3341	0.703 ug/L	89
27) 1,2-Dichloroethane	8.41	62	8541	0.740 ug/L	100
30) Cyclohexane	7.96	56	10761	0.661 ug/L #	92
31) 1,1,1-Trichloroethane	7.87	97	10651	0.722 ug/L	96
32) Carbon tetrachloride	8.07	117	9456	0.670 ug/L	95
34) Benzene	8.32	78	24221	0.650 ug/L	100

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

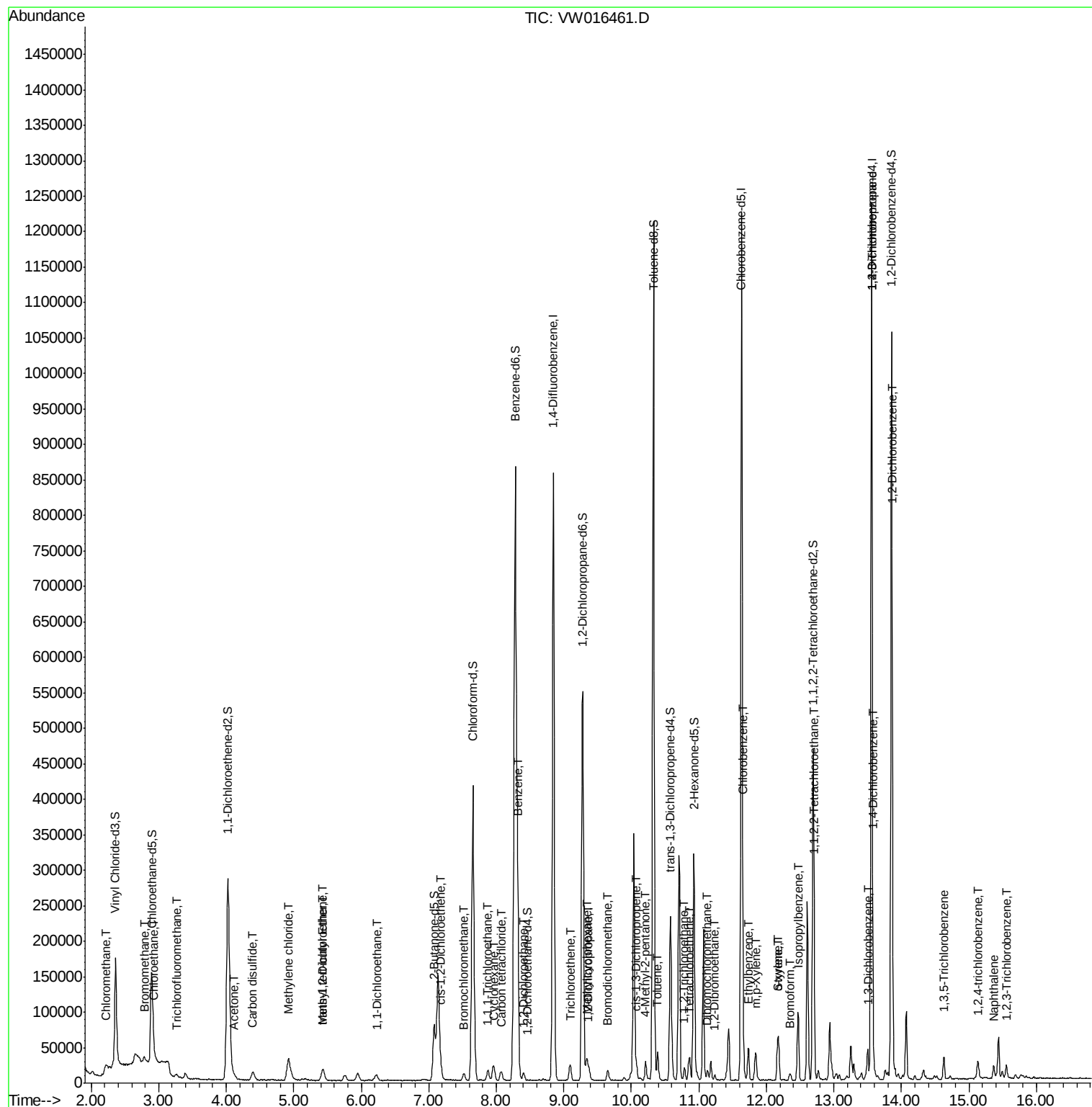
35) Trichloroethene	9.10	95	7301	0.708	ug/L	97
36) Methylcyclohexane	9.34	83	11571	0.641	ug/L	91
40) 1,2-Dichloropropane	9.37	63	6601	0.717	ug/L	100
41) Bromodichloromethane	9.65	83	9240	0.718	ug/L	87
42) cis-1,3-Dichloropropene	10.07	75	10880	0.696	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	16556	2.539	ug/L	93
44) Toluene	10.39	91	28719	0.689	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	5480	0.751	ug/L	95
47) Tetrachloroethene	10.87	164	5914	0.715	ug/L	94
50) Dibromochloromethane	11.13	129	6183	0.670	ug/L	96
51) 1,2-Dibromoethane	11.24	107	5068	0.695	ug/L	97
52) Chlorobenzene	11.66	112	18538	0.701	ug/L	95
53) Ethylbenzene	11.73	91	31788	0.677	ug/L	95
54) m,p-Xylene	11.84	106	12749	0.711	ug/L	100
55) o-xylene	12.17	106	11572	0.677	ug/L	92
56) Styrene	12.18	104	18845	0.642	ug/L	93
57) Isopropylbenzene	12.47	105	33036	0.706	ug/L #	85
58) 1,1,2,2-Tetrachloroethane	12.71	83	6755	0.776	ug/L #	84
59) 1,2,3-Trichloropropane	13.56	75	42843	6.589	ug/L	95
62) Bromoform	12.35	173	3752	0.688	ug/L #	91
63) 1,3-Dichlorobenzene	13.50	146	14114	0.690	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	14681	0.723	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	12220	0.672	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	9034	0.640	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	7170	0.588	ug/L	99
69) Naphthalene	15.36	128	14383	0.559	ug/L	96
70) 1,2,3-Trichlorobenzene	15.56	180	6440	0.615	ug/L	97

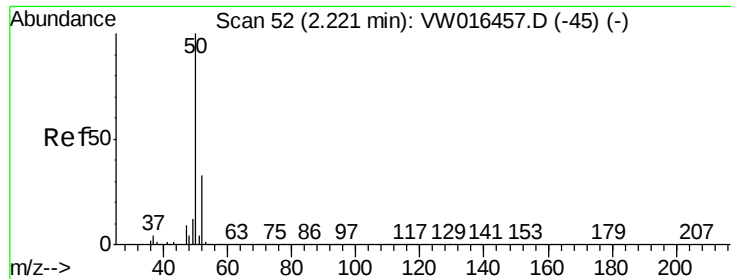
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.642 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

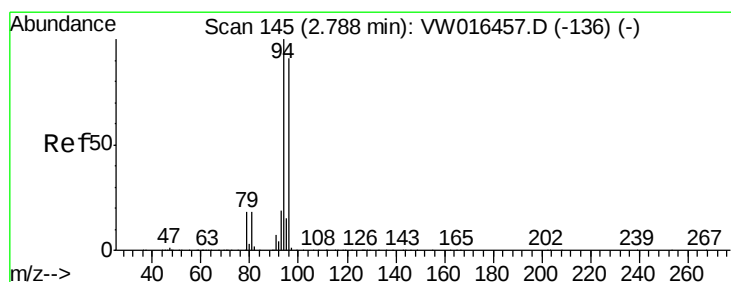
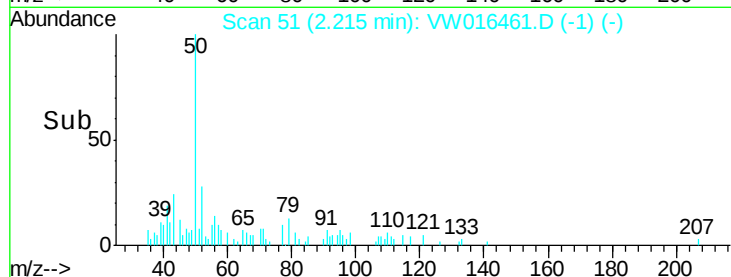
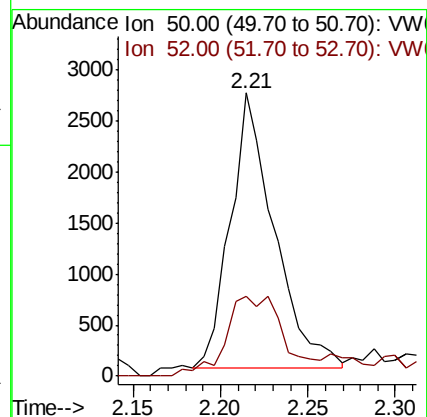
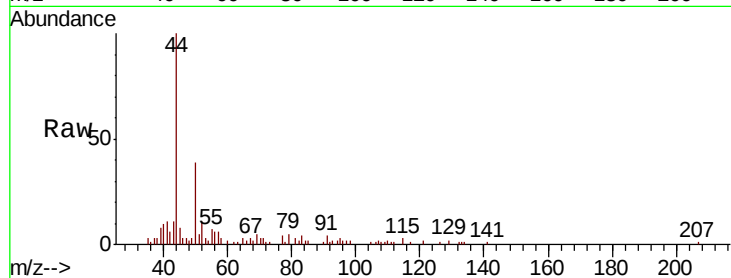
ClientSampled :

Tot Ion: 50 Resp: 4736

Ion Ratio Lower Upper

50 100

52 28.3 23.0 42.6



#6

Bromomethane

Concen: 0.698 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016461.D

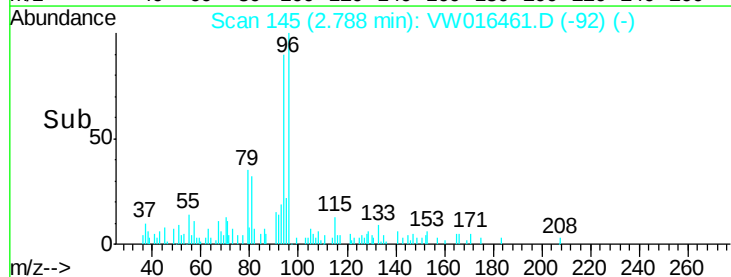
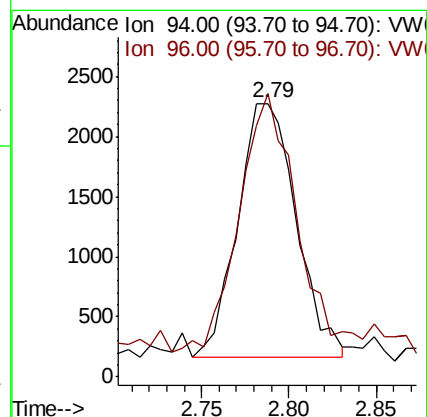
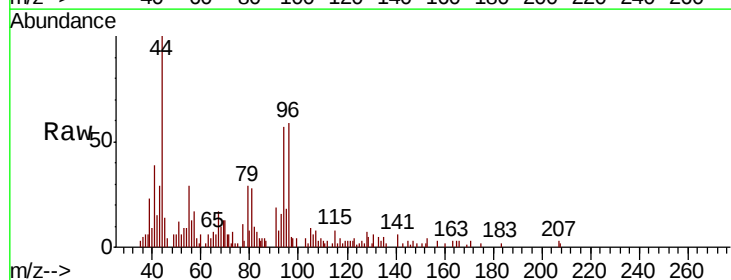
Acq: 04 Sep 2020 13:43

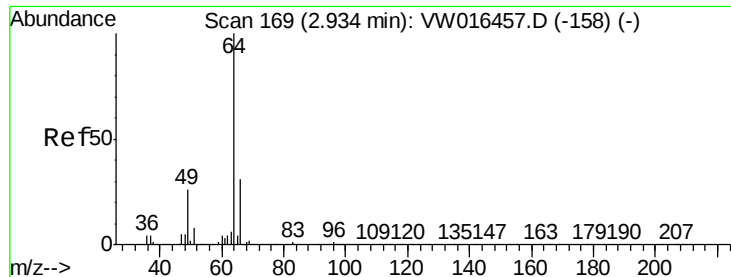
Tgt Ion: 94 Resp: 4904

Ion Ratio Lower Upper

94 100

96 98.5 9.4 178.2





#8

Chloroethane

Concen: 0.762 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

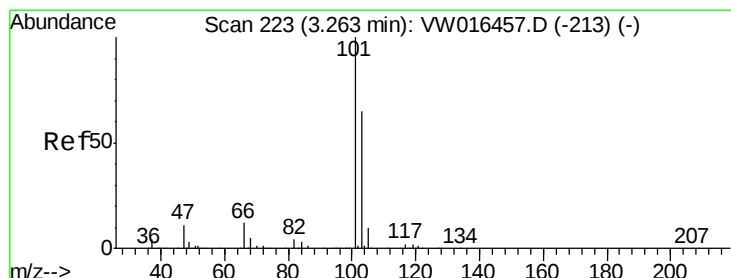
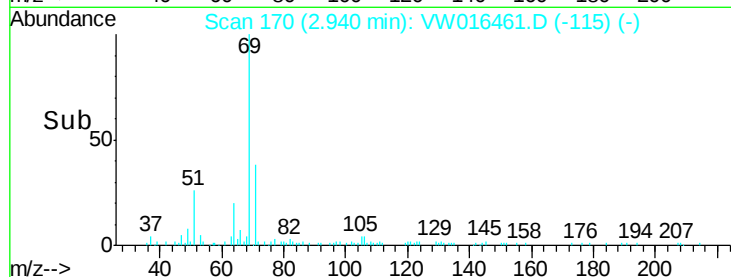
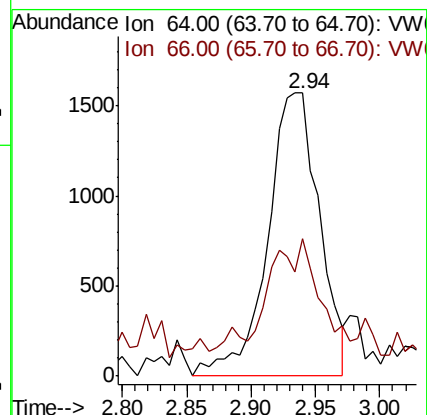
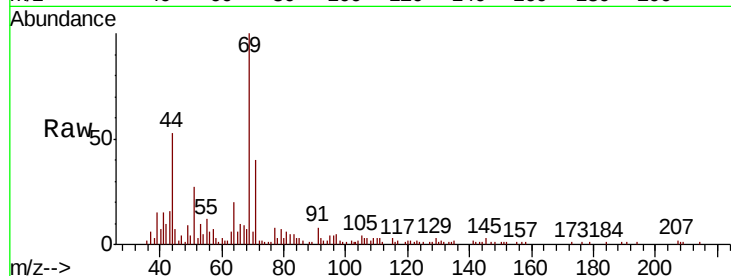
ClientSampleId :

Tot Ion: 64 Resp: 4407

Ion Ratio Lower Upper

64 100

66 48.4 22.4 41.6#



#9

Trichlorofluoromethane

Concen: 0.633 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016461.D

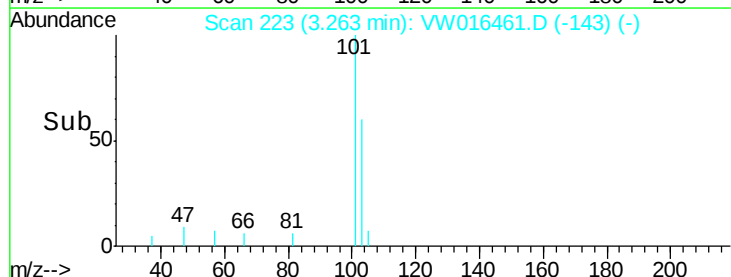
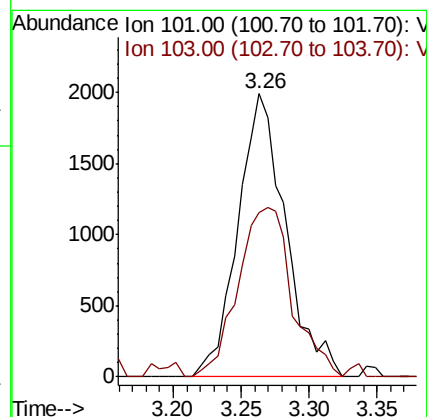
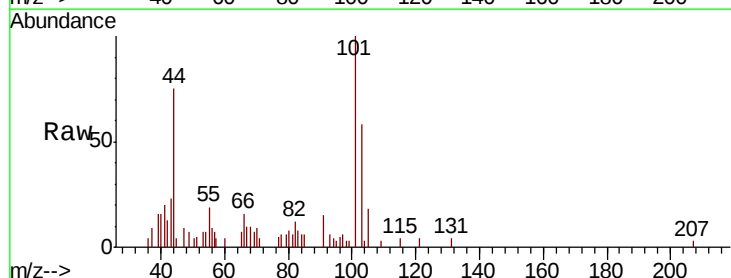
Acq: 04 Sep 2020 13:43

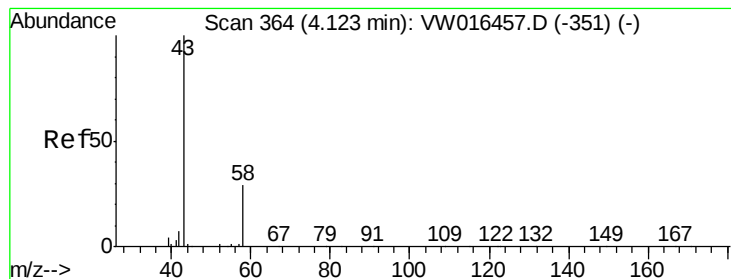
Tgt Ion: 101 Resp: 4871

Ion Ratio Lower Upper

101 100

103 68.1 45.1 83.7





#13

Acetone

Concen: 2.592 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

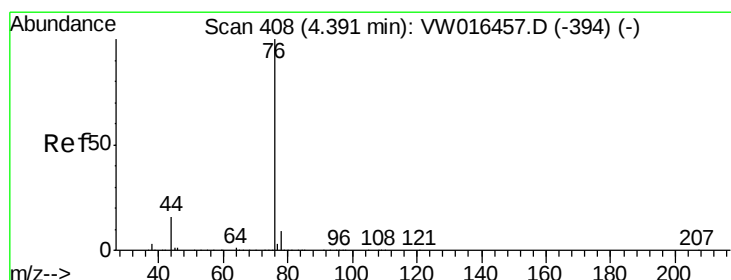
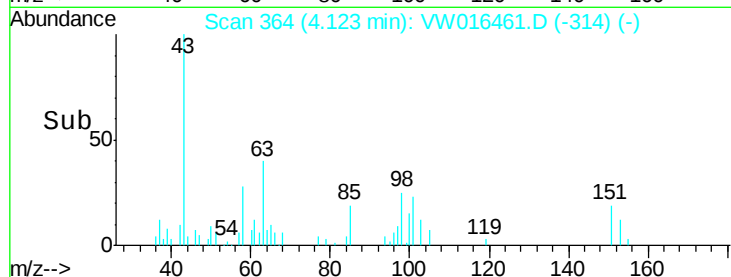
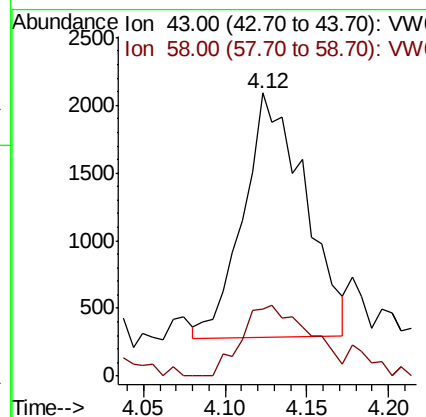
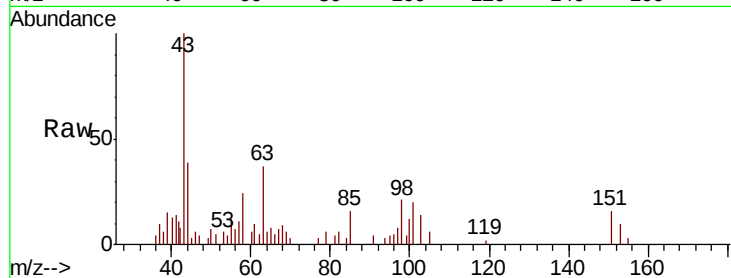
ClientSampled :

Tot Ion: 43 Resp: 4737

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.0



#14

Carbon disulfide

Concen: 0.638 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016461.D

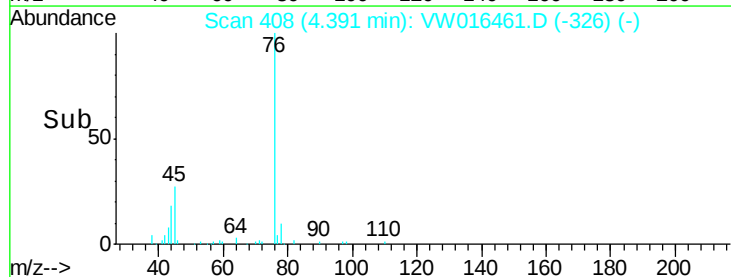
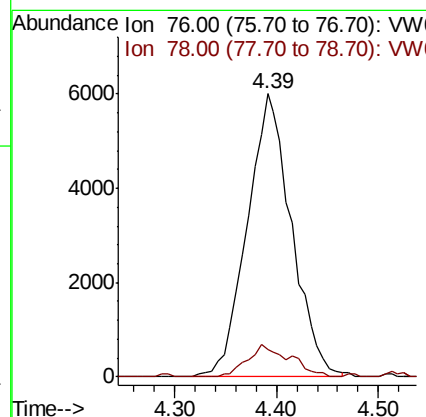
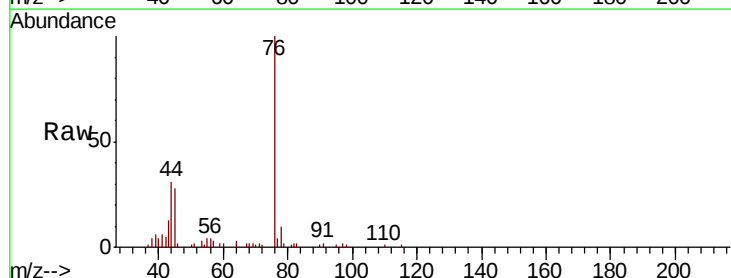
Acq: 04 Sep 2020 13:43

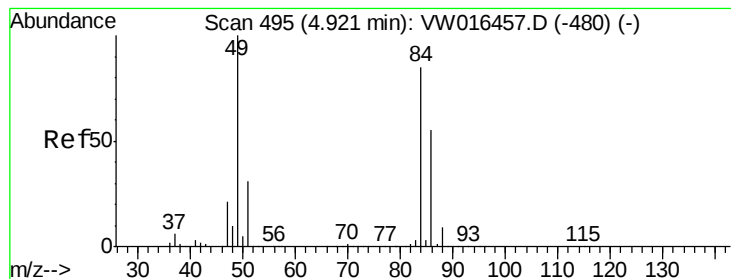
Tgt Ion: 76 Resp: 18054

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9





#16

Methylene chloride

Concen: 2.128 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampled :

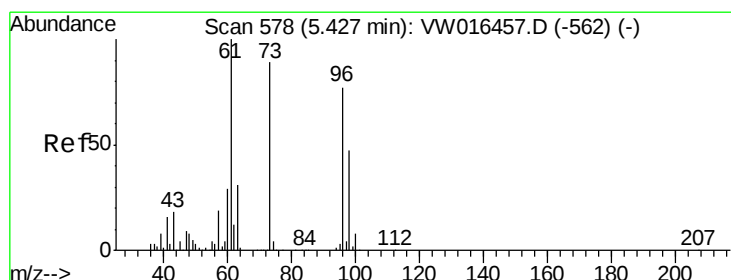
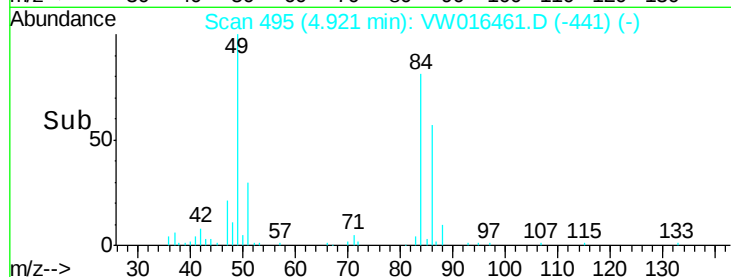
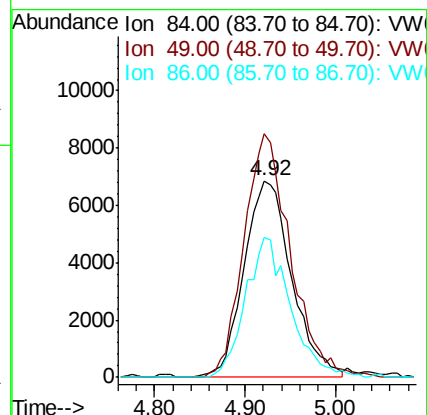
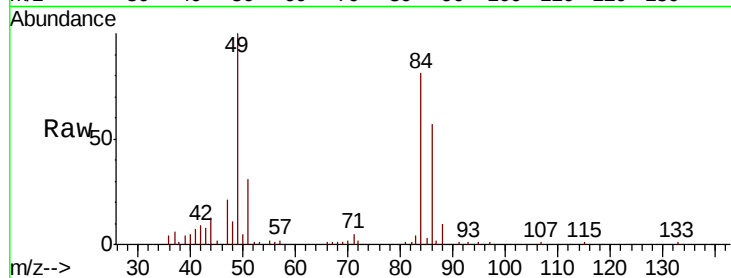
Tot Ion: 84 Resp: 24952

Ion Ratio Lower Upper

84 100

49 123.9 86.7 160.9

86 71.2 44.9 83.5



#17

Methyl tert-butyl Ether

Concen: 0.759 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

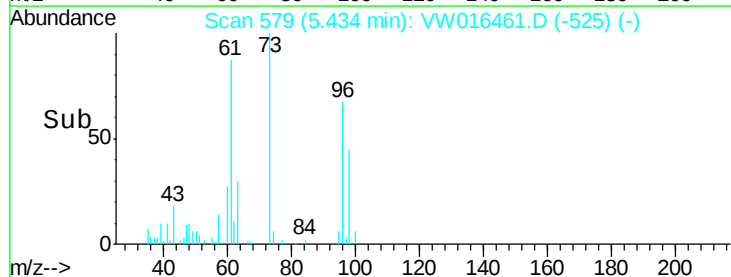
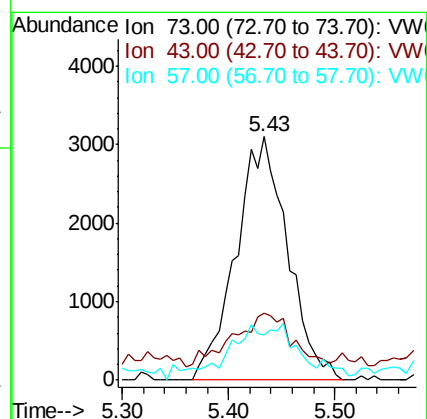
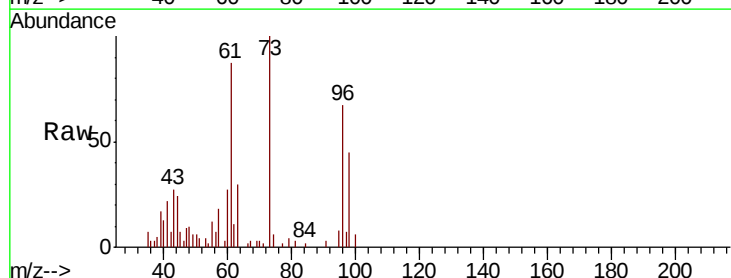
Tgt Ion: 73 Resp: 10543

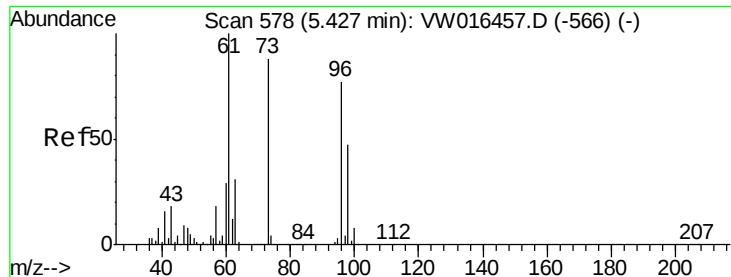
Ion Ratio Lower Upper

73 100

43 12.7 17.9 26.9#

57 6.4 17.4 26.0#

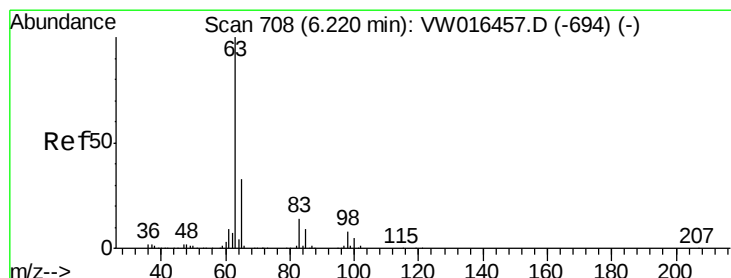
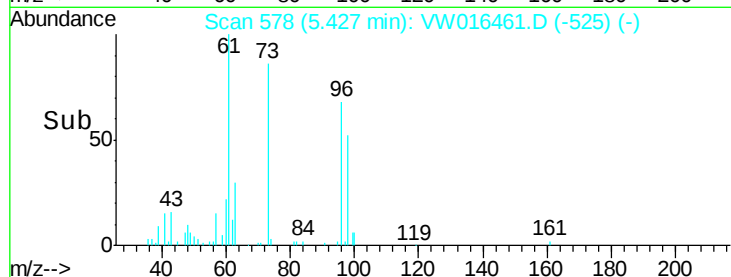
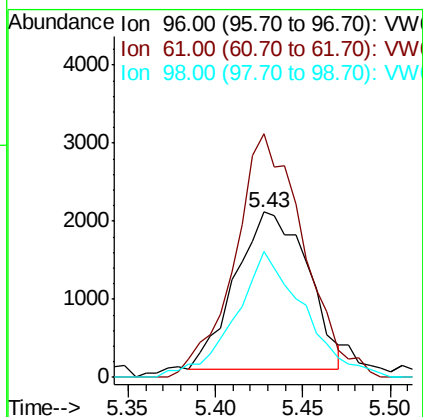
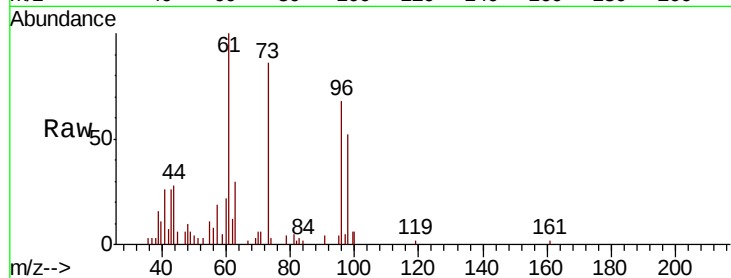




#18
 trans-1,2-Dichloroethene
 Concen: 0.589 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

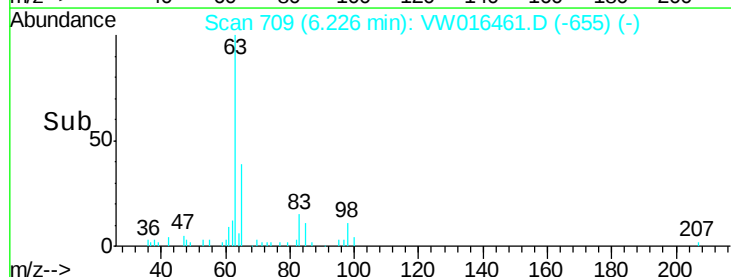
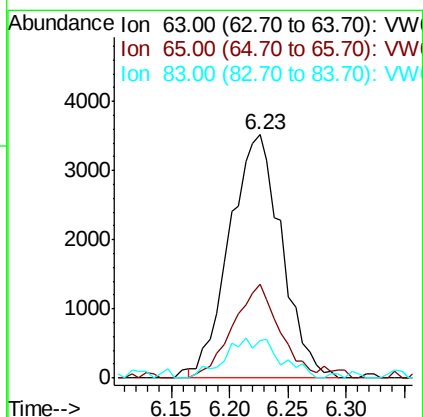
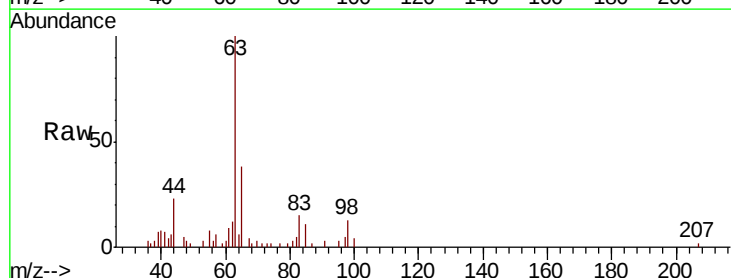
Instrument :
 MSVOA_W
 ClientSampled :

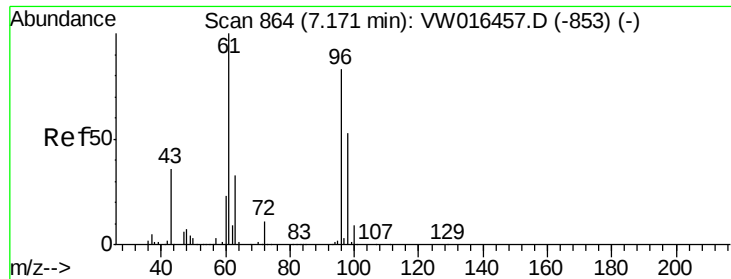
Tot Ion: 96 Resp: 5795
 Ion Ratio Lower Upper
 96 100
 61 147.5 96.4 179.0
 98 76.1 45.1 83.7



#19
 1,1-Dichloroethane
 Concen: 0.653 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

Tgt Ion: 63 Resp: 10936
 Ion Ratio Lower Upper
 63 100
 65 38.4 23.3 43.3
 83 15.2 10.3 19.1



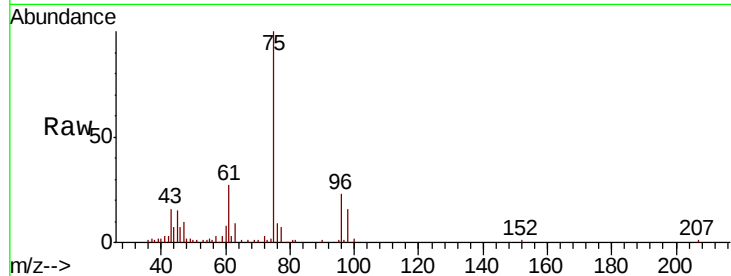


#22

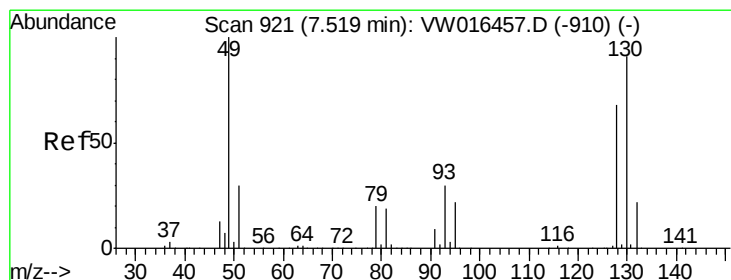
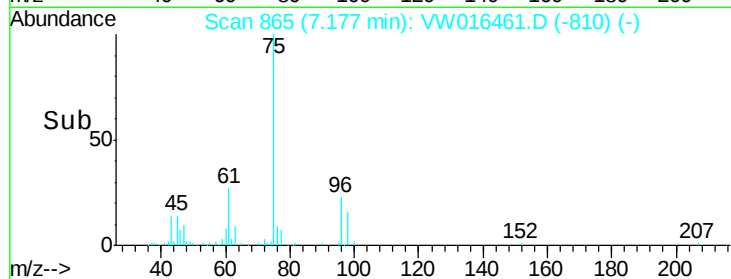
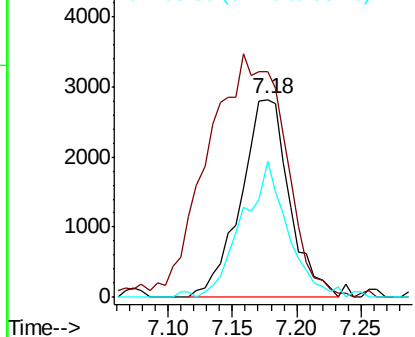
cis-1,2-Dichloroethene
 Concen: 0.721 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 7390
 Ion Ratio Lower Upper
 96 100
 61 114.5 86.1 159.9
 98 68.6 44.1 81.9



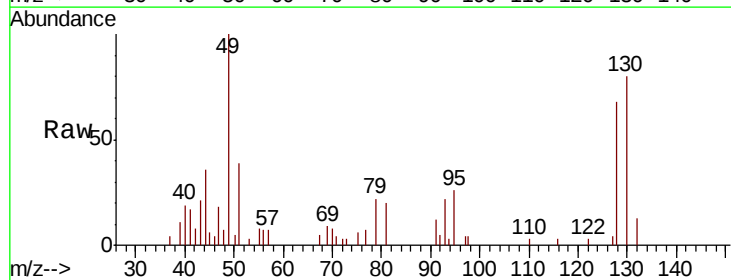
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



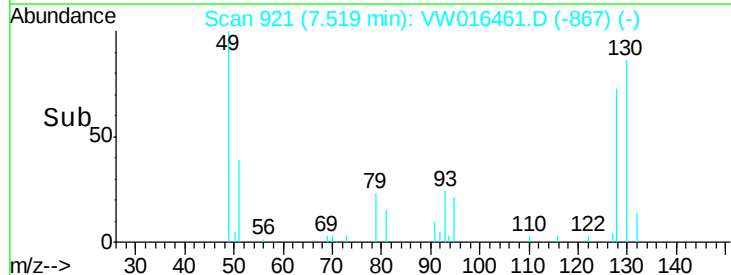
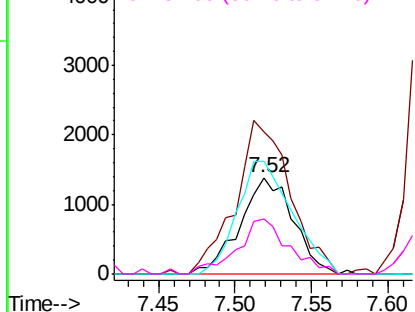
#23

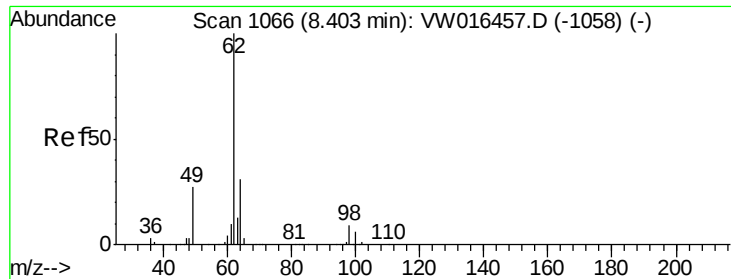
Bromochloromethane
 Concen: 0.703 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

Tgt Ion:128 Resp: 3341
 Ion Ratio Lower Upper
 128 100
 49 146.7 111.6 207.4
 130 117.1 90.9 168.7
 51 57.2 38.5 57.7



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

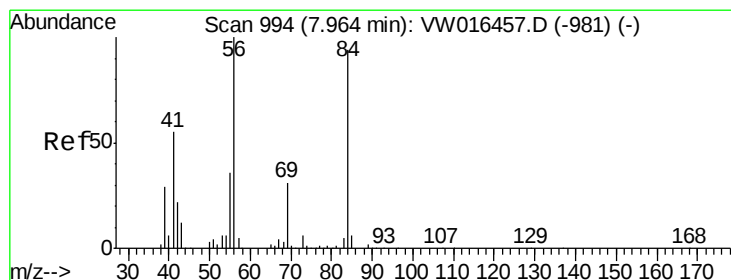
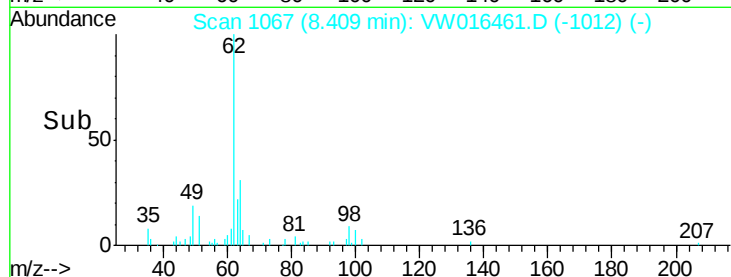
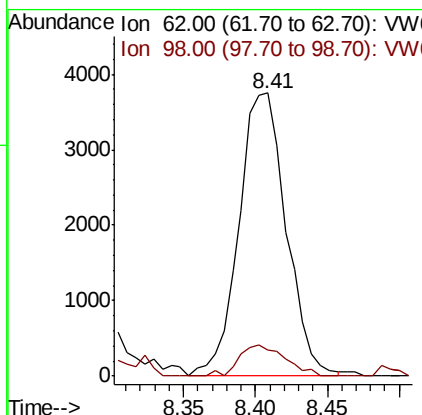
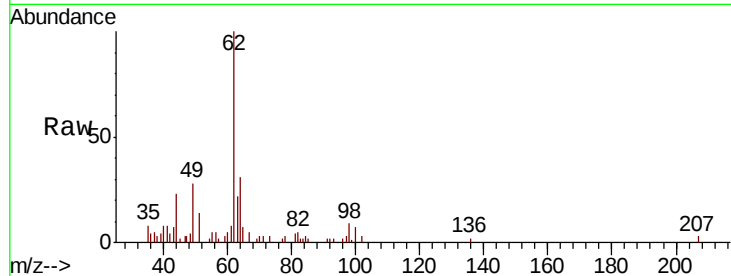




#27
 1,2-Dichloroethane
 Concen: 0.740 ug/L
 RT: 8.41 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

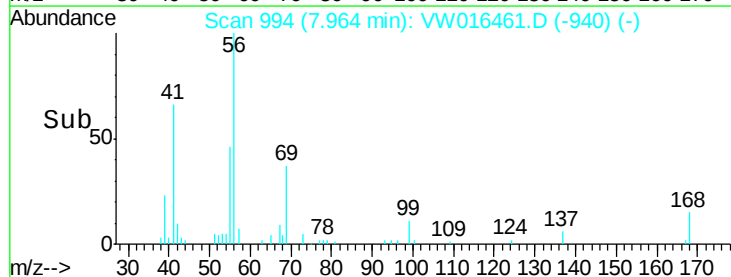
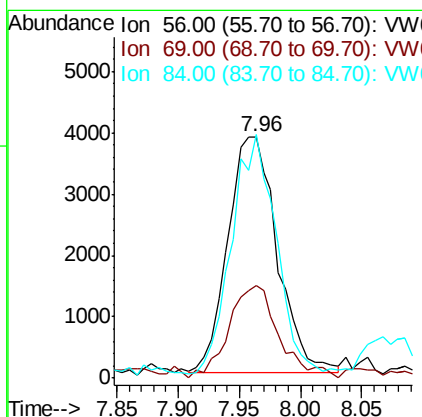
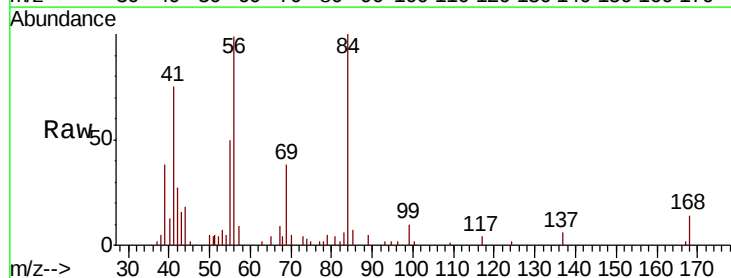
Instrument :
 MSVOA_W
 ClientSampleId :

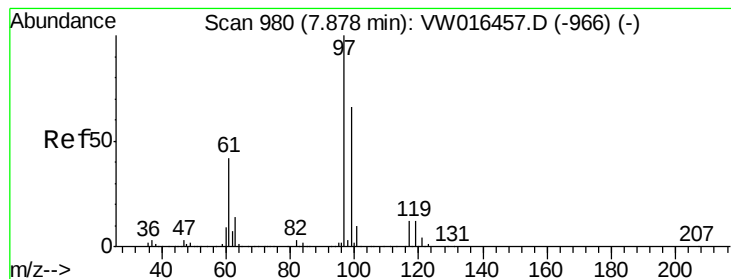
Tot Ion: 62 Resp: 8541
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.3 10.9



#30
 Cyclohexane
 Concen: 0.661 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

Tgt Ion: 56 Resp: 10761
 Ion Ratio Lower Upper
 56 100
 69 38.2 25.3 37.9#
 84 95.4 71.6 107.4





#31

1,1,1-Trichloroethane

Concen: 0.722 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampled :

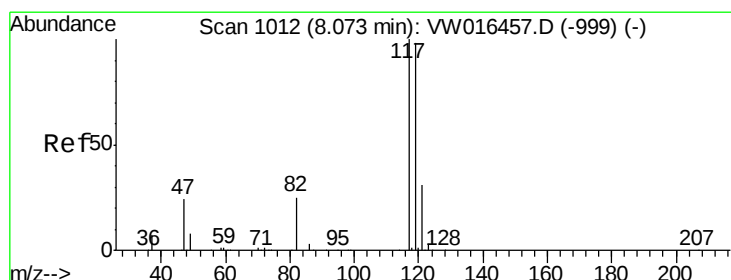
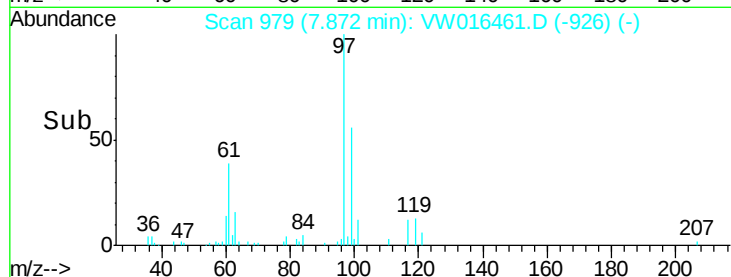
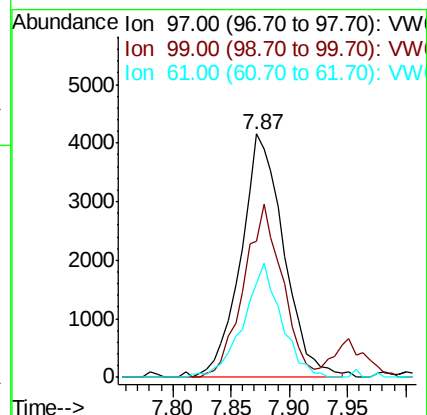
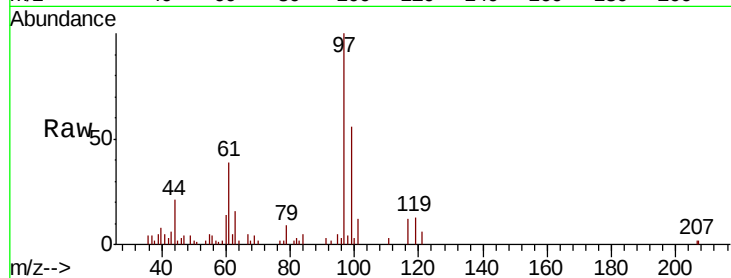
Tot Ion: 97 Resp: 10651

Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.2

61 40.8 36.3 54.5



#32

Carbon tetrachloride

Concen: 0.670 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016461.D

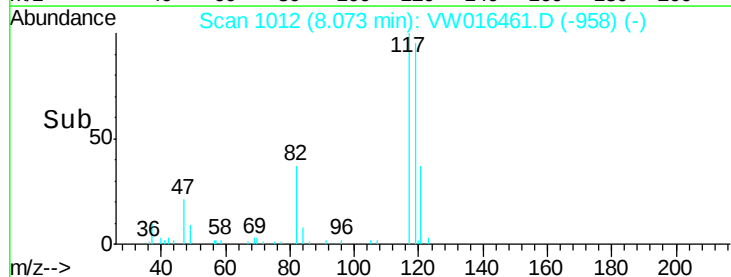
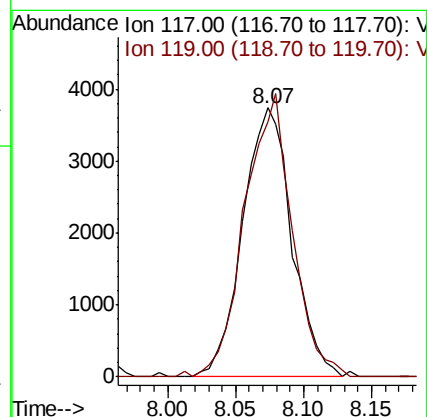
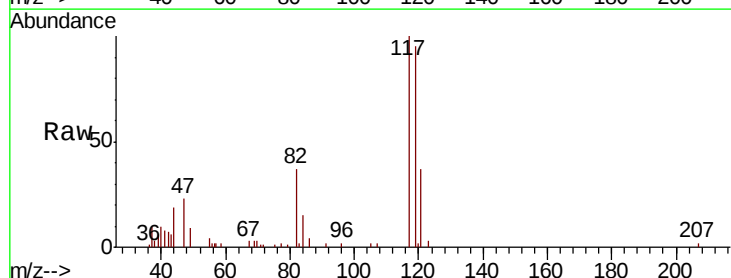
Acq: 04 Sep 2020 13:43

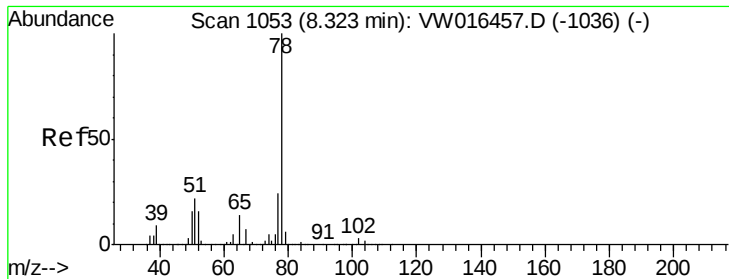
Tgt Ion: 117 Resp: 9456

Ion Ratio Lower Upper

117 100

119 101.7 77.8 116.6





#34

Benzene

Concen: 0.650 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016461.D

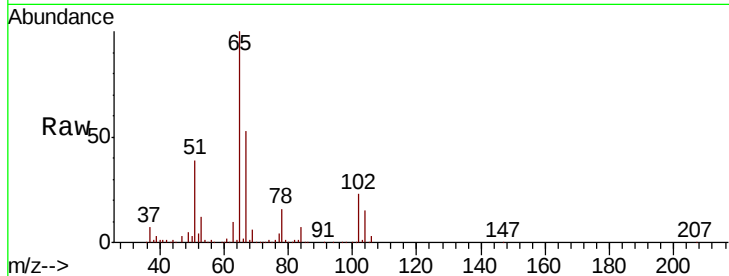
Acq: 04 Sep 2020 13:43

Instrument :

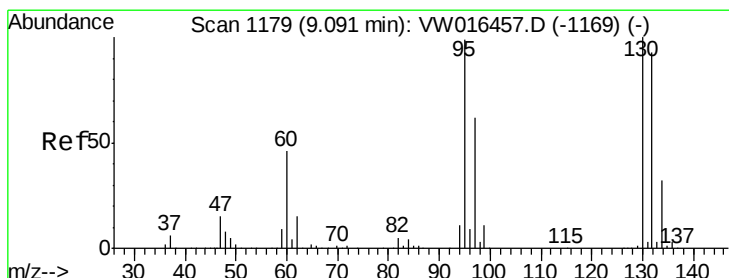
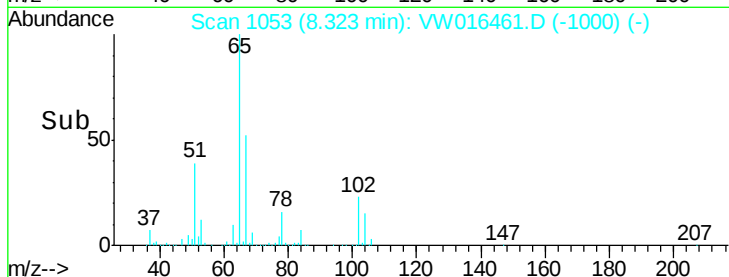
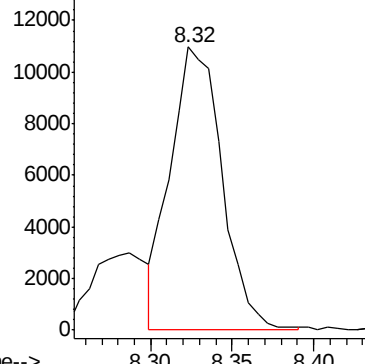
MSVOA_W

ClientSampled :

Tgt Ion: 78 Resp: 24221



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 0.708 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Tgt Ion: 95 Resp: 7301

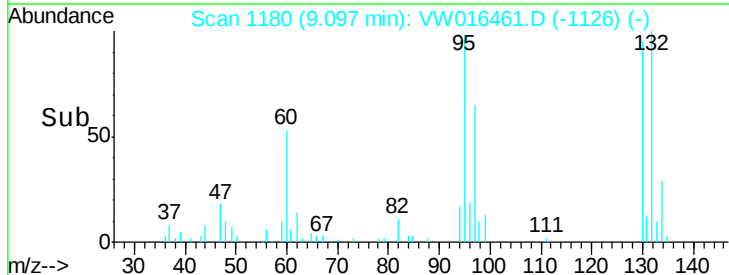
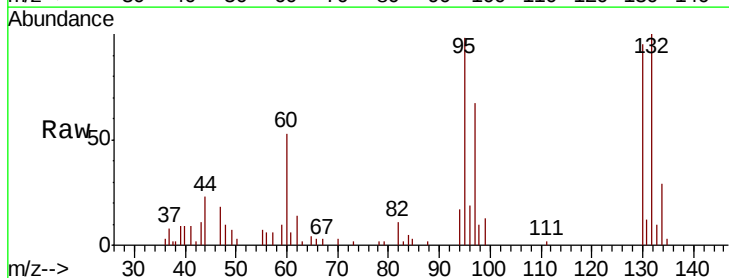
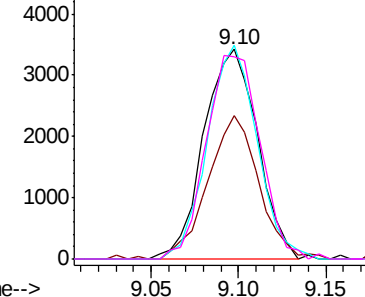
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.5
132	94.8	69.2	128.4
130	97.9	72.0	133.6

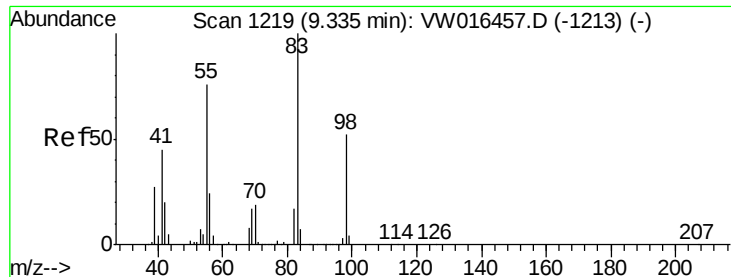
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

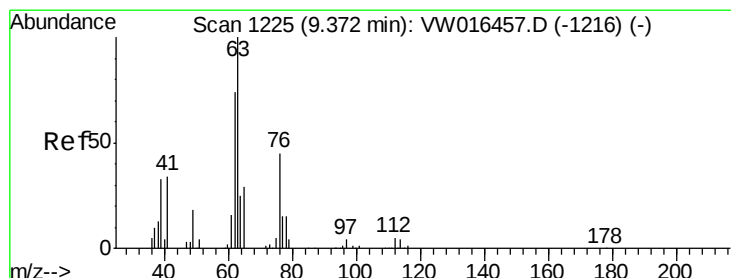
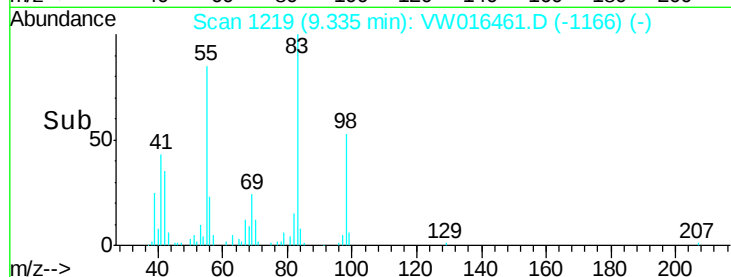
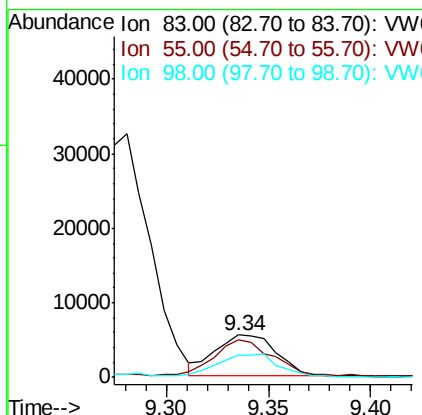
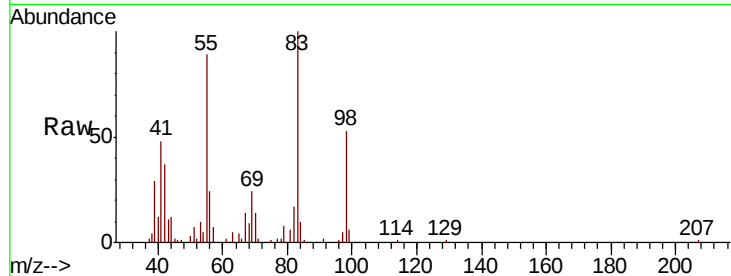




#36
Methylcyclohexane
Concen: 0.641 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

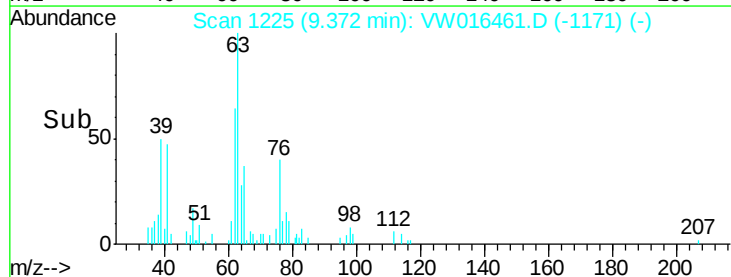
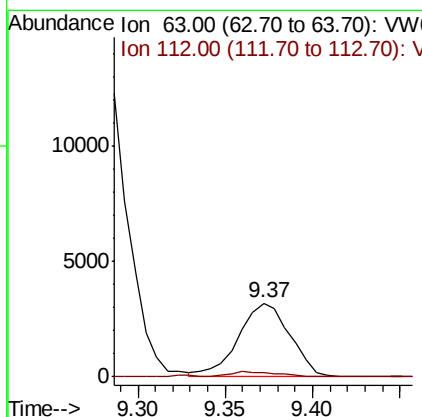
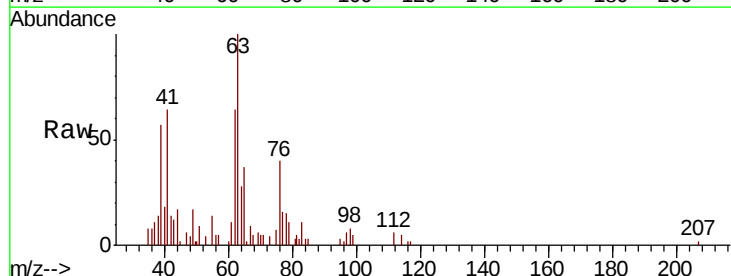
Instrument :
MSVOA_W
ClientSampled :

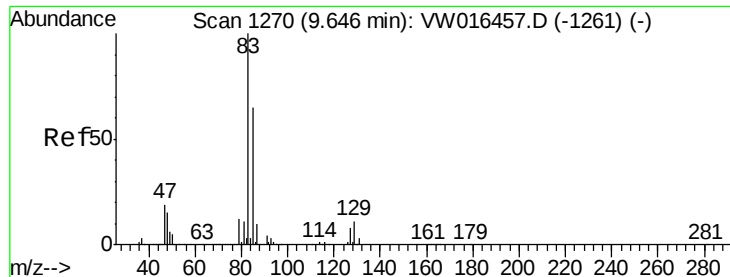
Tot Ion: 83 Resp: 11571
Ion Ratio Lower Upper
83 100
55 82.9 60.9 91.3
98 56.5 40.0 60.0



#40
1,2-Dichloropropane
Concen: 0.717 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

Tgt Ion: 63 Resp: 6601
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.8





#41

Bromodichloromethane

Concen: 0.718 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

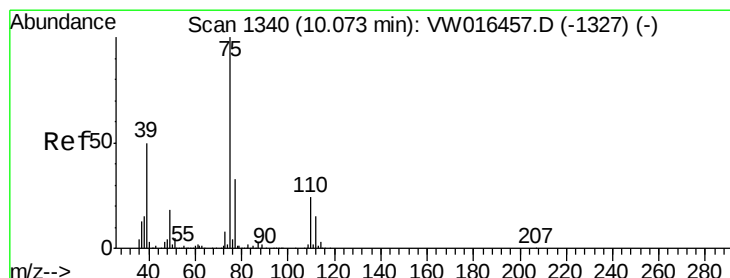
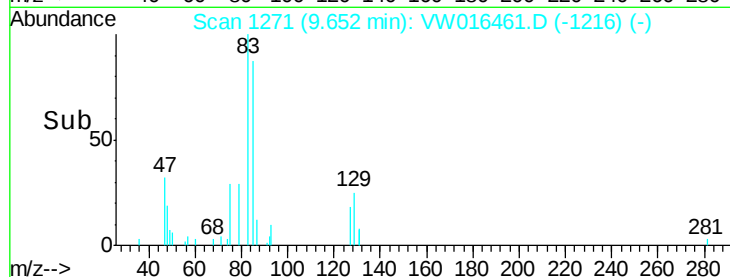
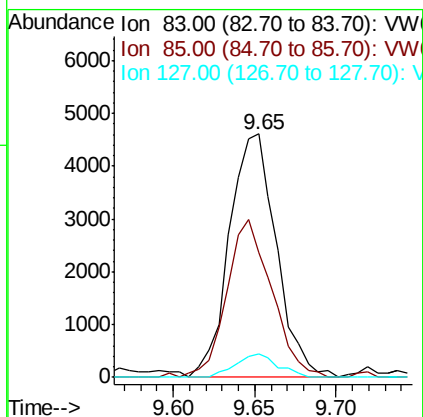
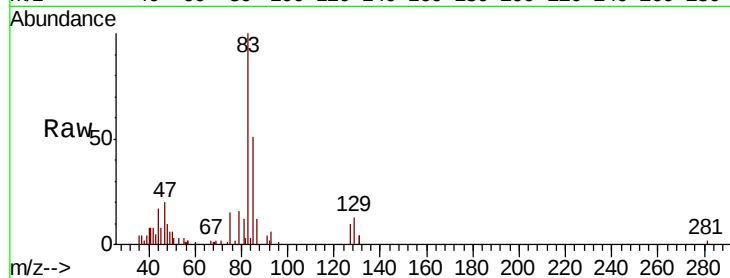
Tot Ion: 83 Resp: 9240

Ion Ratio Lower Upper

83 100

85 51.1 43.5 80.7

127 9.9 6.7 10.1



#42

cis-1,3-Dichloropropene

Concen: 0.696 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016461.D

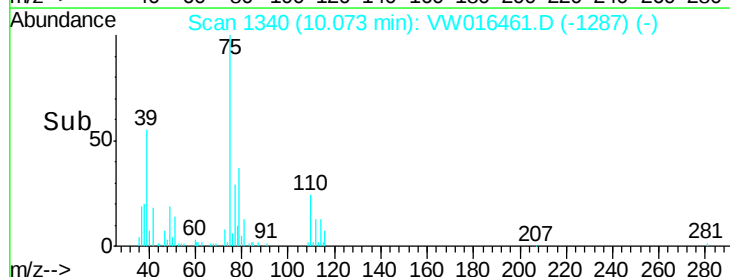
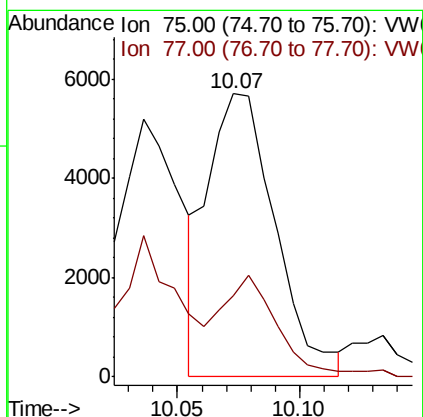
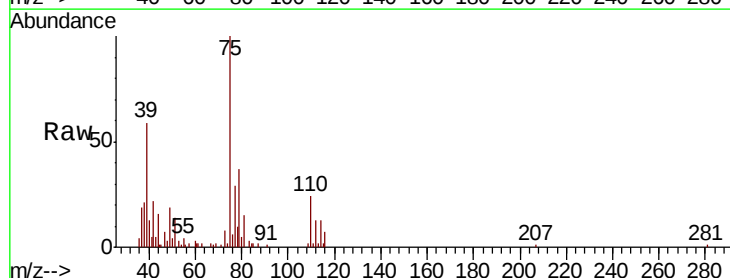
Acq: 04 Sep 2020 13:43

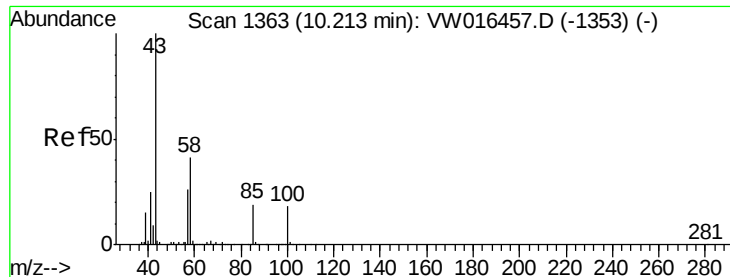
Tgt Ion: 75 Resp: 10880

Ion Ratio Lower Upper

75 100

77 28.9 20.9 38.7

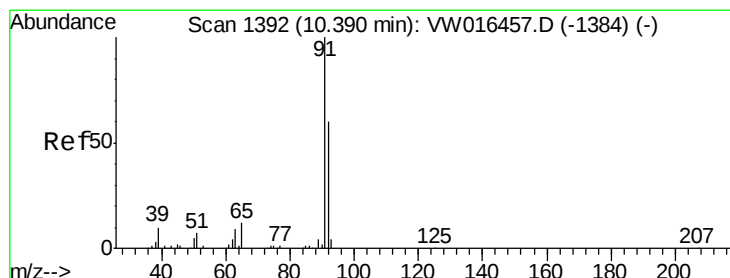
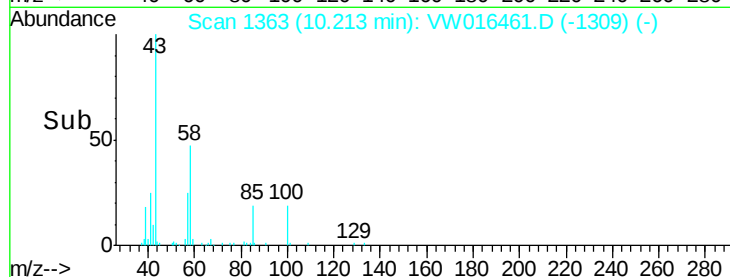
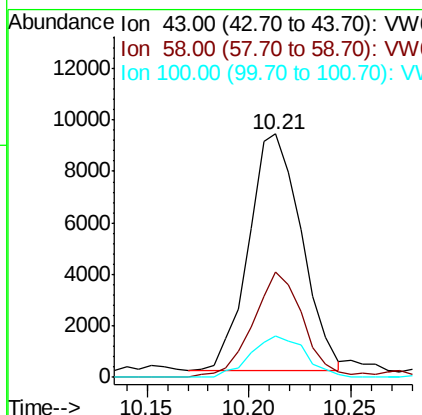
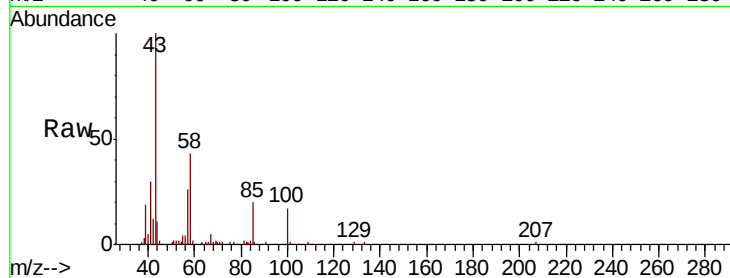




#43
4-Methyl-2-pentanone
Concen: 2.539 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

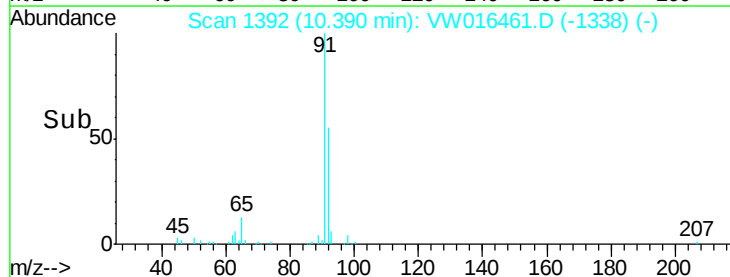
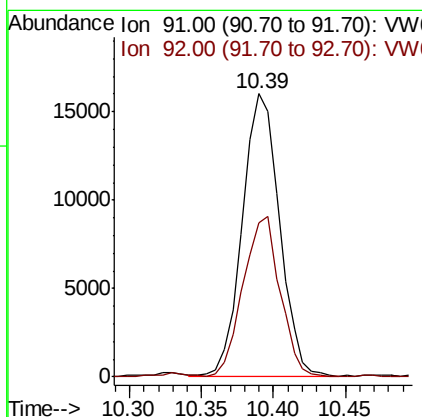
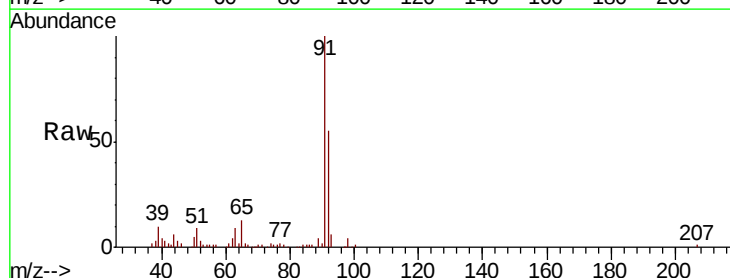
Instrument :
MSVOA_W
ClientSampled :

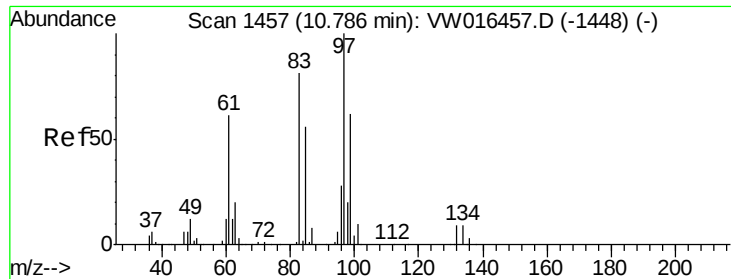
Tot Ion	43	Resp	16556
Ion Ratio	Lower	Upper	
43	100		
58	42.8	30.6	45.8
100	18.1	13.0	19.6



#44
Toluene
Concen: 0.689 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

Tgt Ion	91	Resp	28719
Ion Ratio	Lower	Upper	
91	100		
92	54.5	39.5	73.4

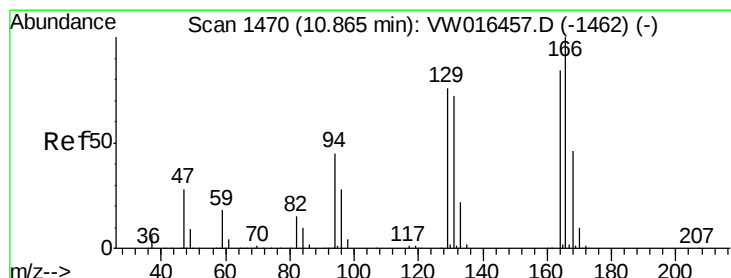
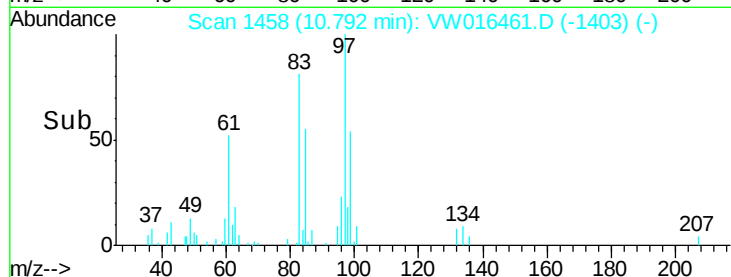
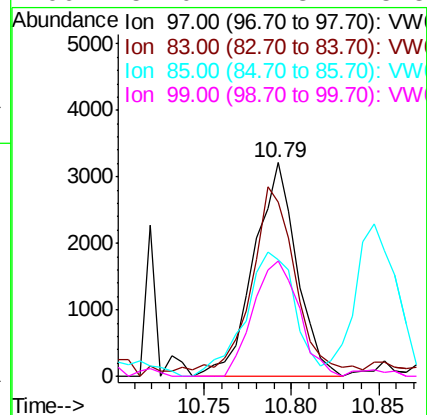
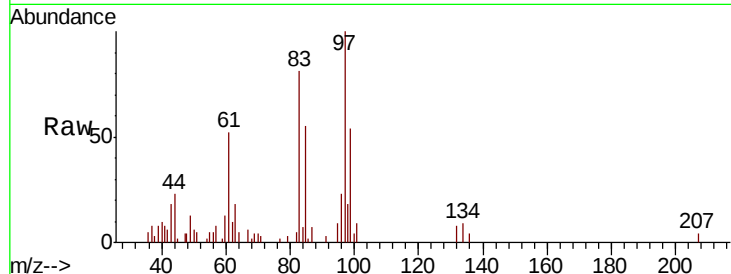




#46
1,1,2-Trichloroethane
Concen: 0.751 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

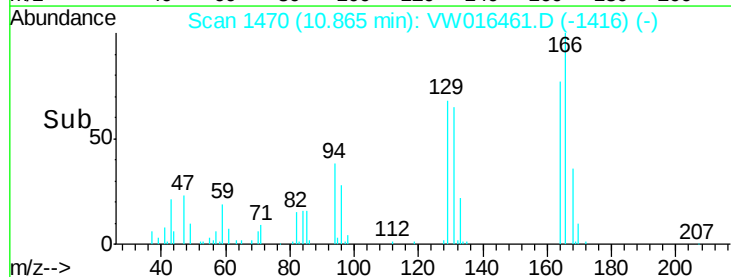
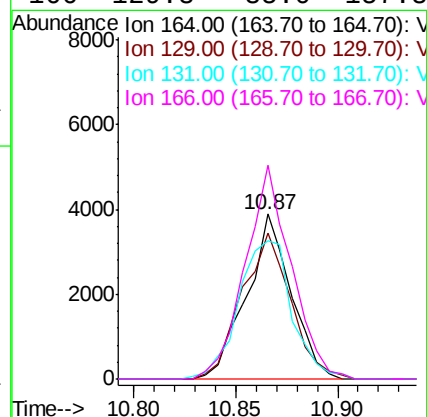
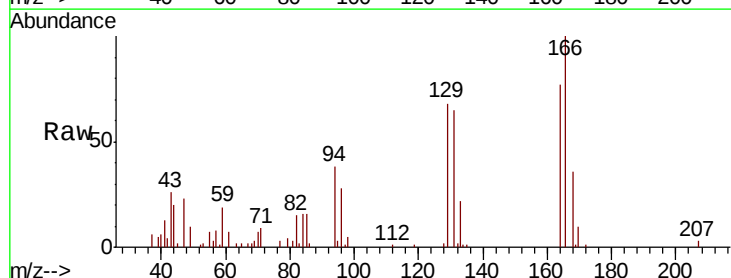
Instrument :
MSVOA_W
ClientSampled :

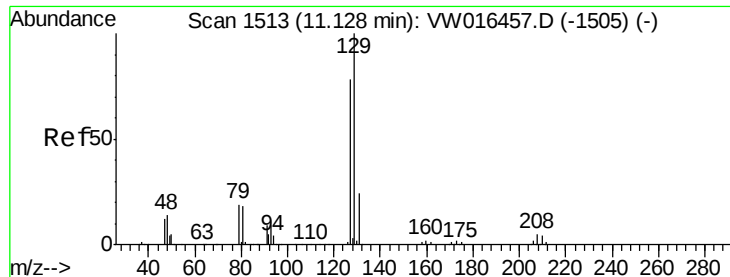
Tot Ion: 97 Resp: 5480
Ion Ratio Lower Upper
97 100
83 81.3 59.7 110.9
85 54.6 37.6 69.8
99 54.0 42.3 78.5



#47
Tetrachloroethene
Concen: 0.715 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

Tgt Ion: 164 Resp: 5914
Ion Ratio Lower Upper
164 100
129 88.7 65.7 121.9
131 83.8 61.1 113.5
166 129.8 85.0 157.8





#50

Dibromochloromethane

Concen: 0.670 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

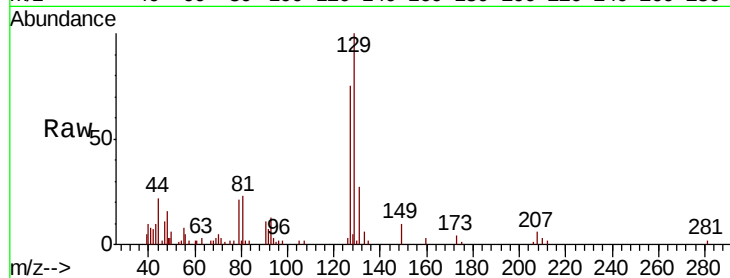
ClientSampleId :

Tot Ion:129 Resp: 6183

Ion Ratio Lower Upper

129 100

127 75.5 55.4 103.0

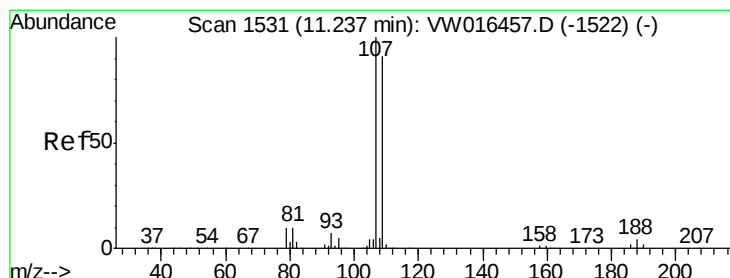
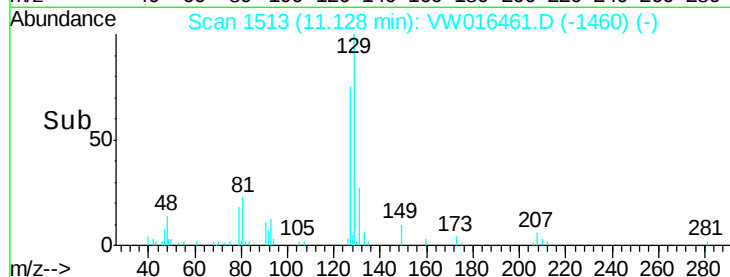


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

Time-->



#51

1,2-Dibromoethane

Concen: 0.695 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

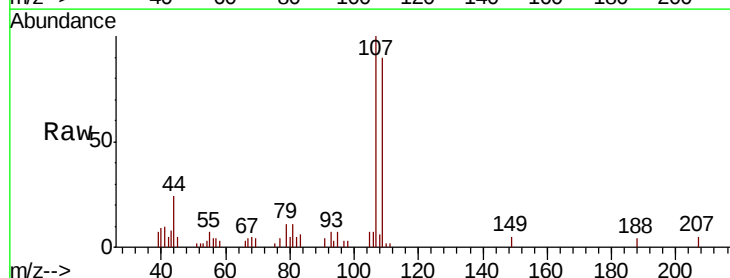
Tgt Ion:107 Resp: 5068

Ion Ratio Lower Upper

107 100

109 89.6 64.8 120.4

188 4.0 3.4 5.0



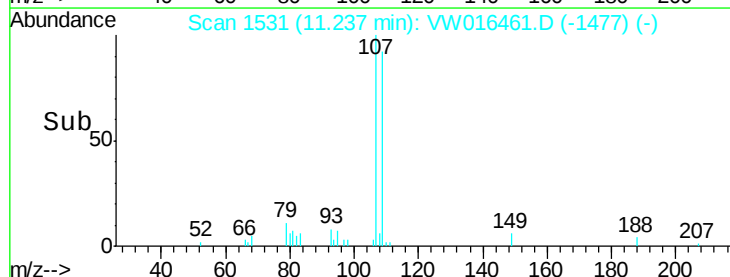
Abundance Ion 107.00 (106.70 to 107.70): V

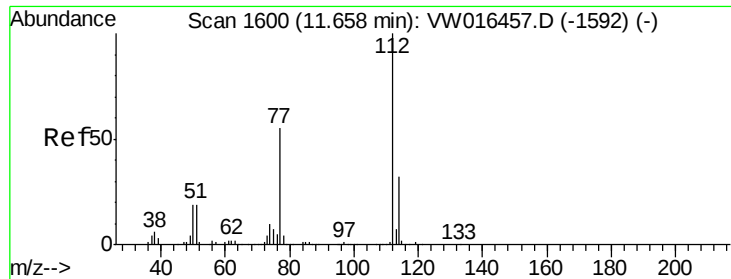
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.24

Time-->

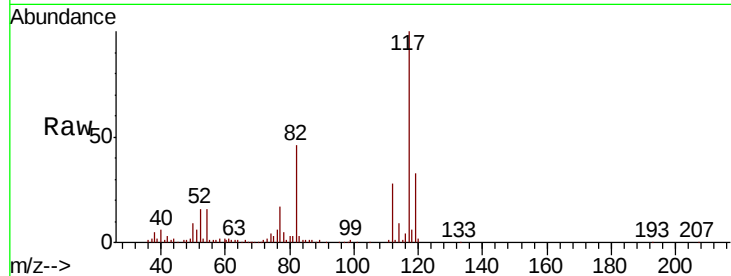




#52
Chlorobenzene
Concen: 0.701 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
77	61.8	46.2	69.2
114	31.8	21.1	39.3

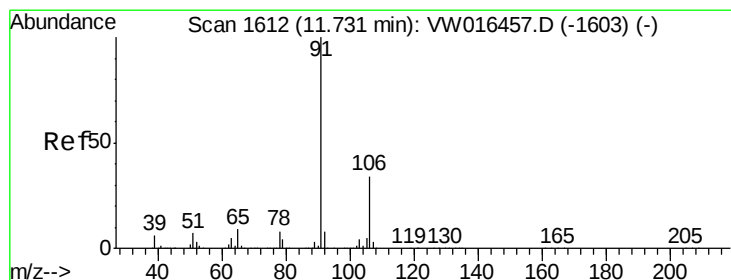
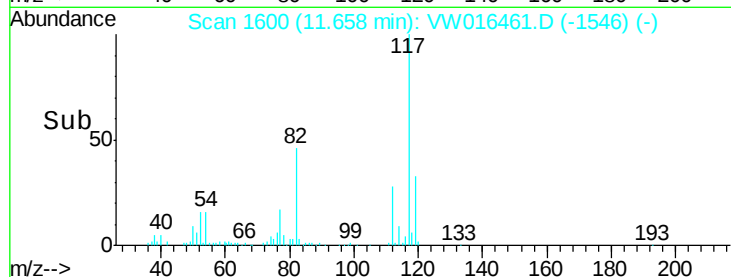
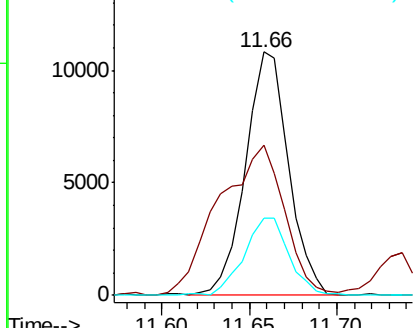


Abundance

Ion 112.00 (111.70 to 112.70): VW

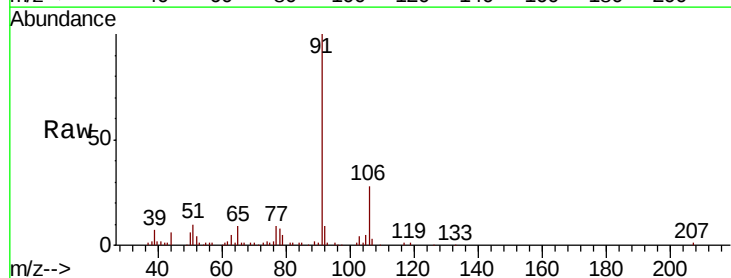
Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53
Ethylbenzene
Concen: 0.677 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016461.D
Acq: 04 Sep 2020 13:43

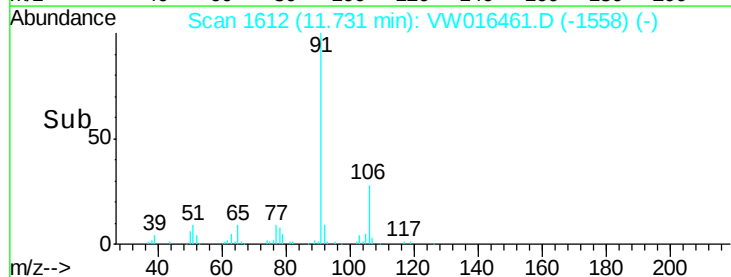
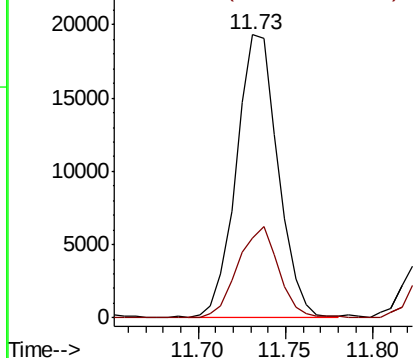
Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.1	21.6	40.2

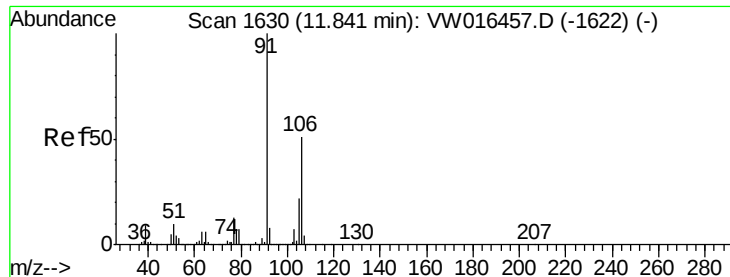


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 0.711 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

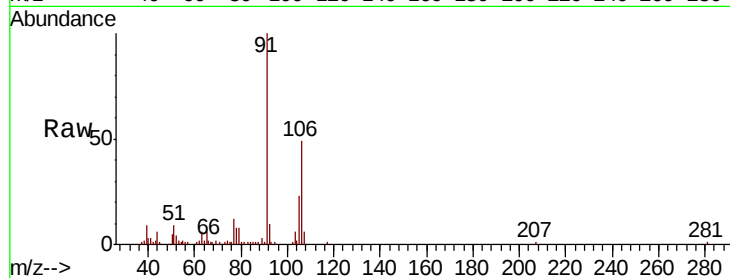
ClientSampled :

Tot Ion:106 Resp: 12749

Ion Ratio Lower Upper

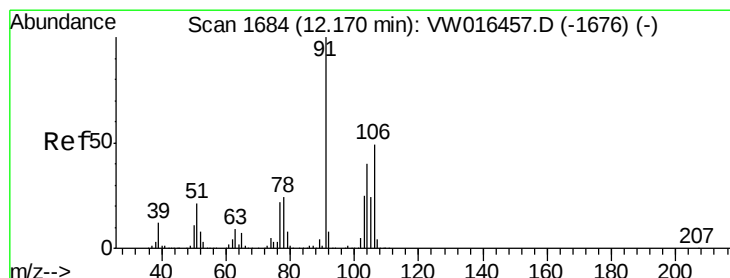
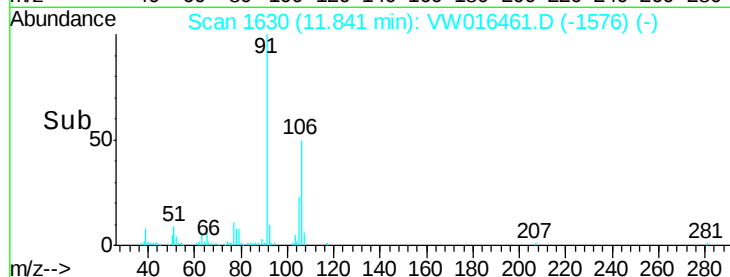
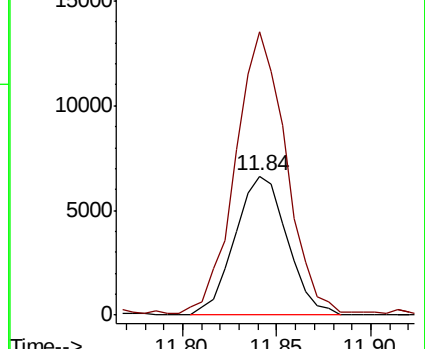
106 100

91 203.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.677 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016461.D

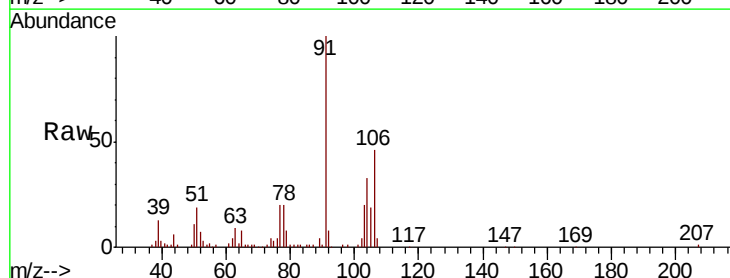
Acq: 04 Sep 2020 13:43

Tgt Ion:106 Resp: 11572

Ion Ratio Lower Upper

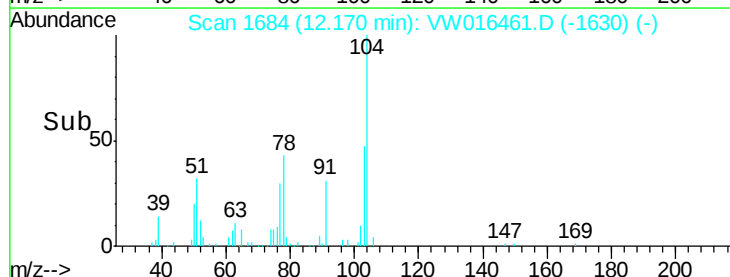
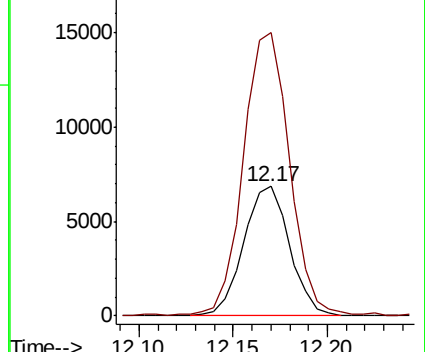
106 100

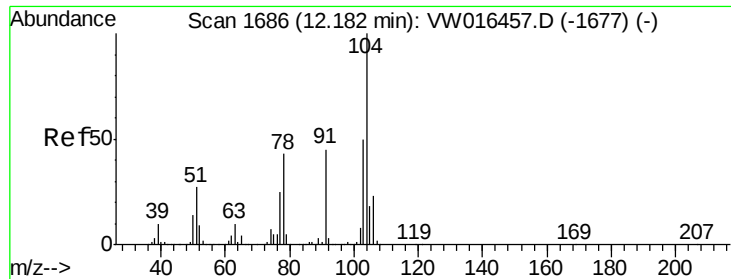
91 218.6 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 0.642 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

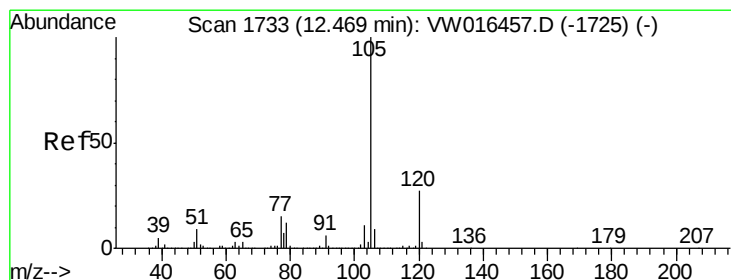
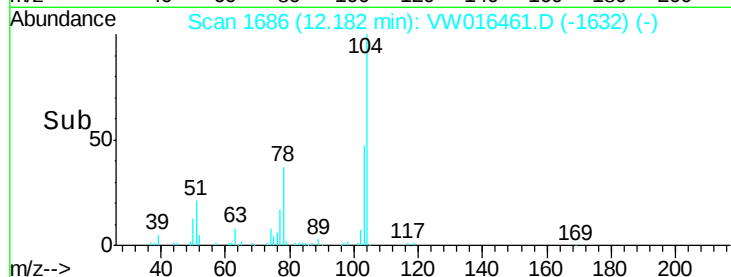
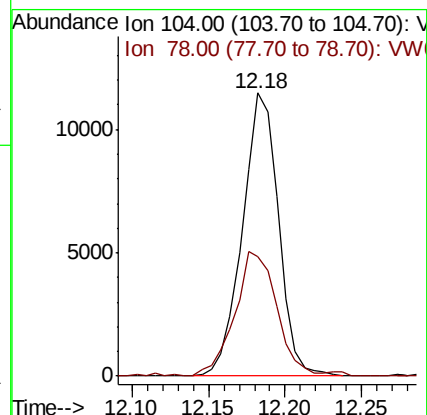
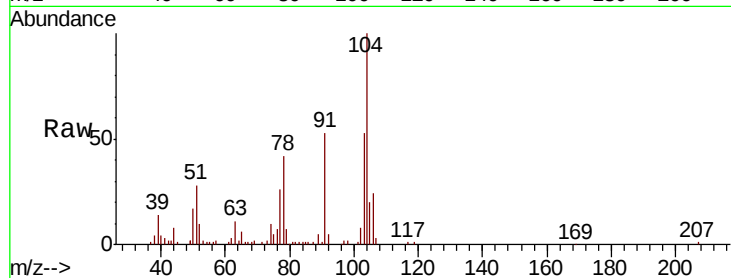
ClientSampleId :

Tot Ion:104 Resp: 18845

Ion Ratio Lower Upper

104 100

78 42.4 32.8 61.0



#57

Isopropylbenzene

Concen: 0.706 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

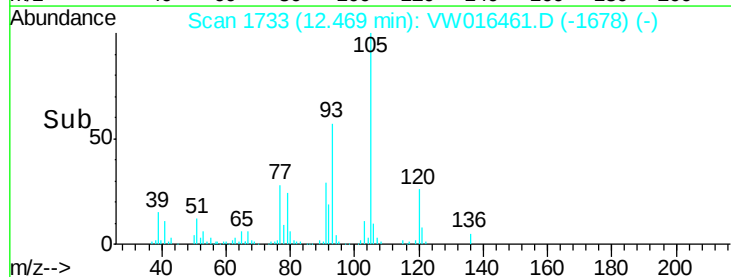
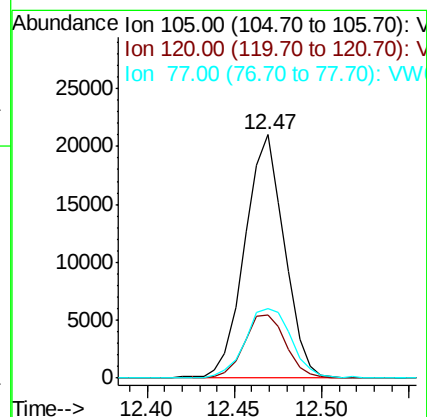
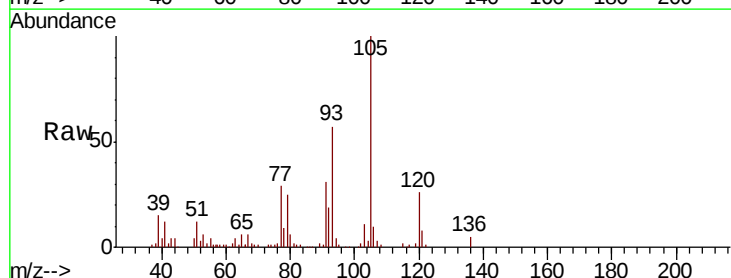
Tgt Ion:105 Resp: 33036

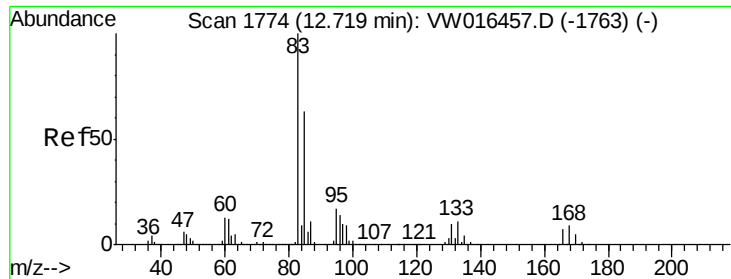
Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

77 33.3 13.0 19.6#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.776 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

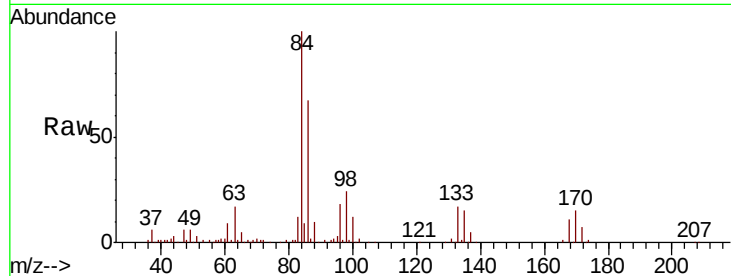
Tot Ion: 83 Resp: 6755

Ion Ratio Lower Upper

83 100

85 76.1 45.3 84.1

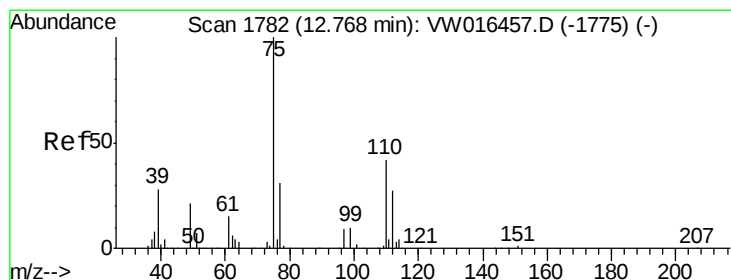
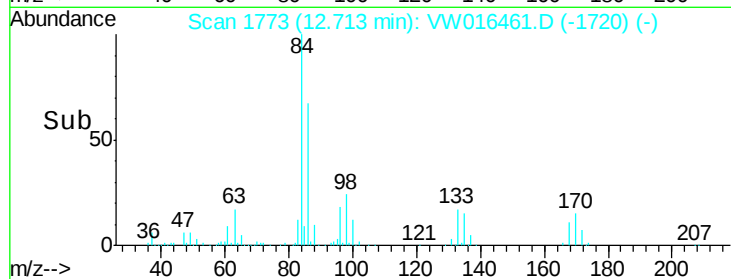
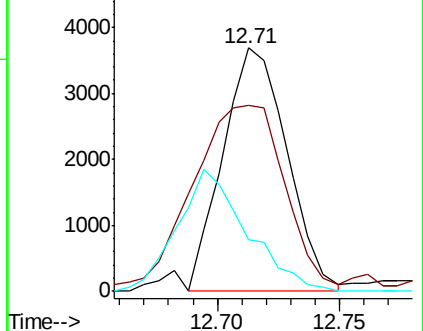
131 21.2 8.7 13.1#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 6.589 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016461.D

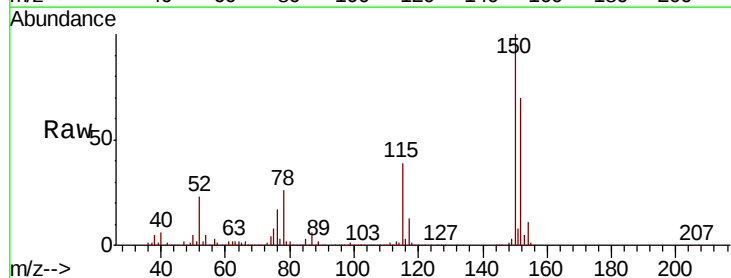
Acq: 04 Sep 2020 13:43

Tgt Ion: 75 Resp: 42843

Ion Ratio Lower Upper

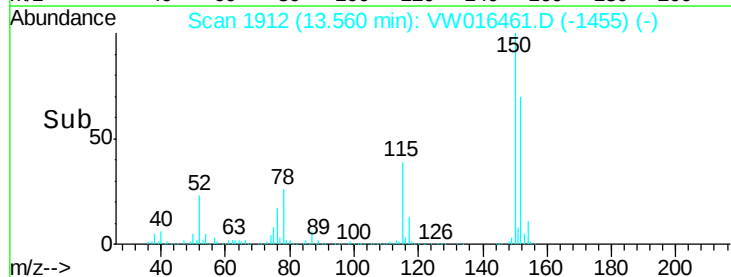
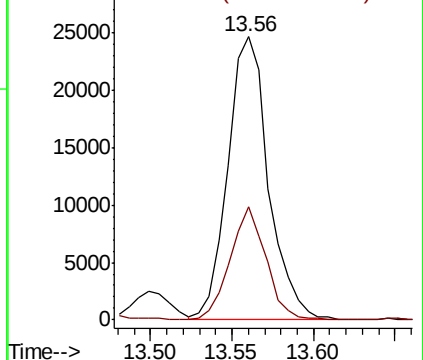
75 100

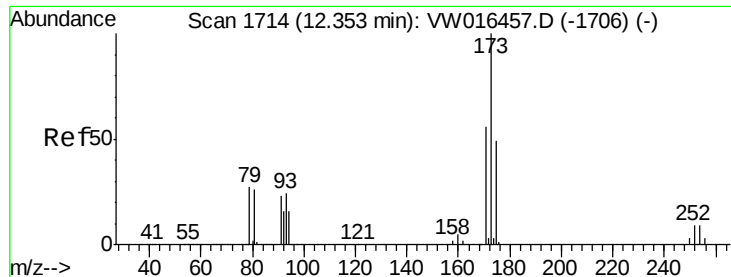
77 35.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 0.688 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampled :

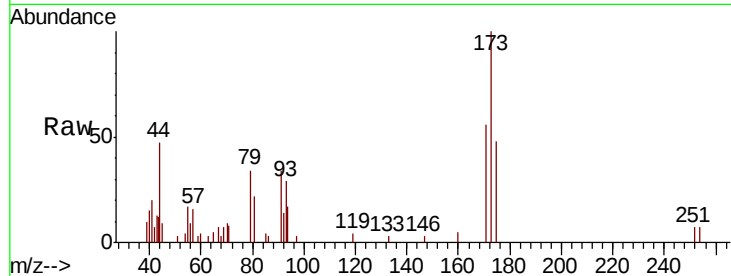
Tot Ion:173 Resp: 3752

Ion Ratio Lower Upper

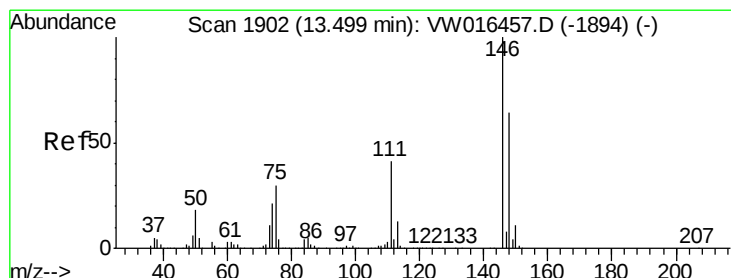
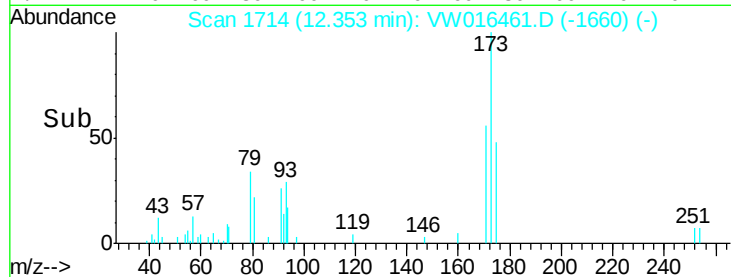
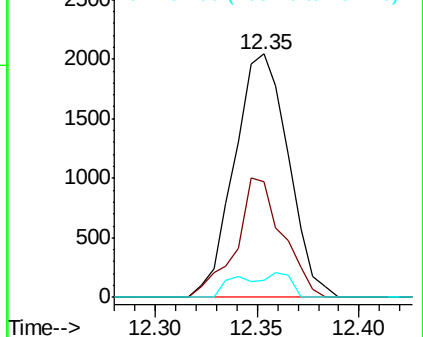
173 100

175 42.2 39.2 58.8

254 5.2 5.8 8.6#



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: 0.690 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

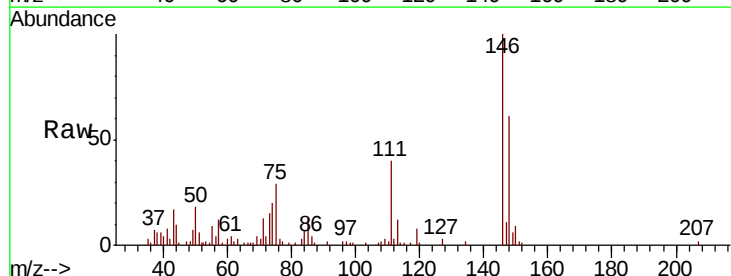
Tgt Ion:146 Resp: 14114

Ion Ratio Lower Upper

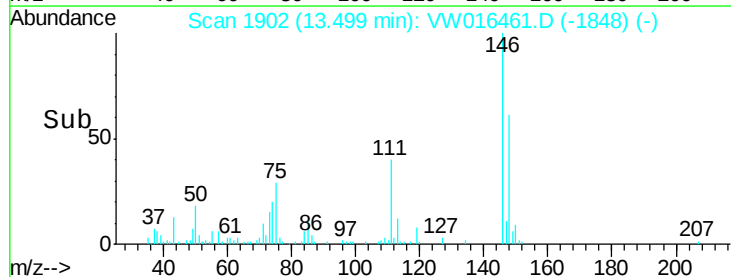
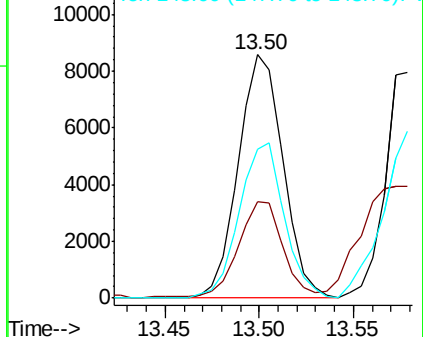
146 100

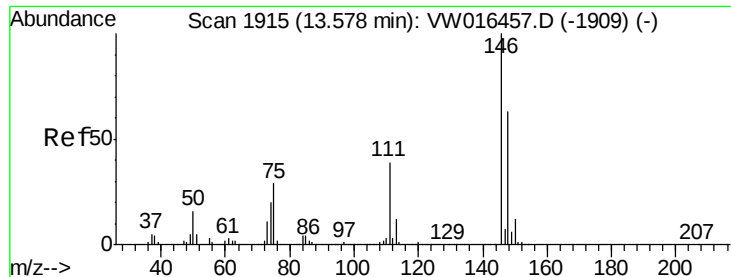
111 39.6 26.5 49.3

148 61.2 41.3 76.7



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: 0.723 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

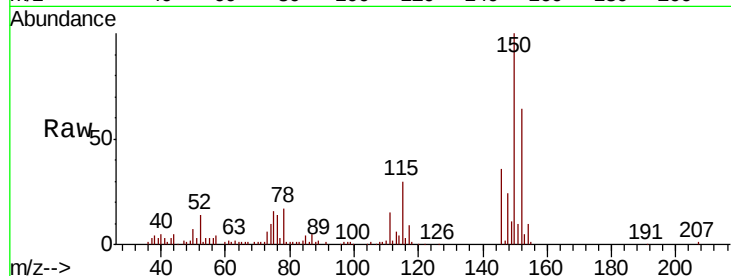
Tot Ion:146 Resp: 14681

Ion Ratio Lower Upper

146 100

111 42.8 26.4 49.0

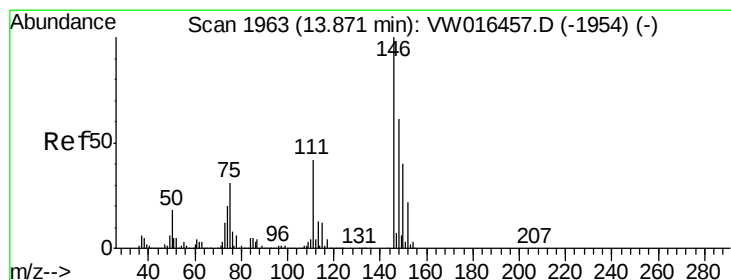
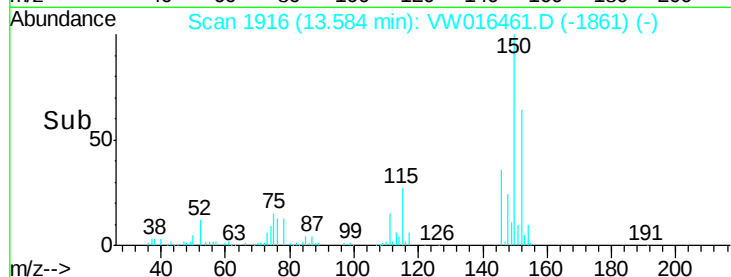
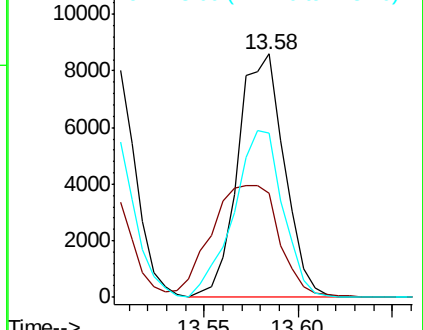
148 67.6 45.1 83.9



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: 0.672 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

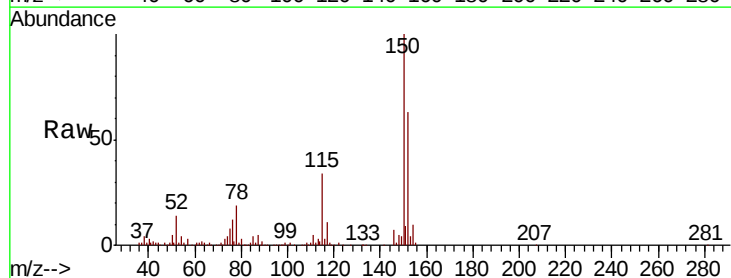
Tgt Ion:146 Resp: 12220

Ion Ratio Lower Upper

146 100

111 64.8 35.3 52.9#

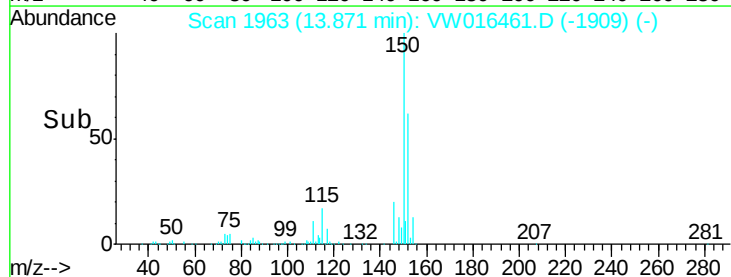
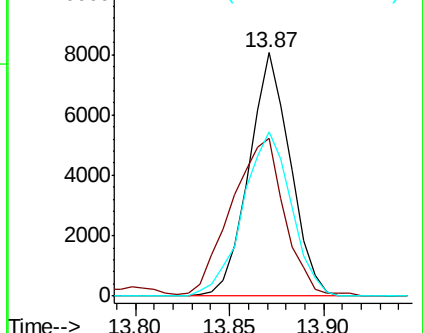
148 67.2 49.8 74.8

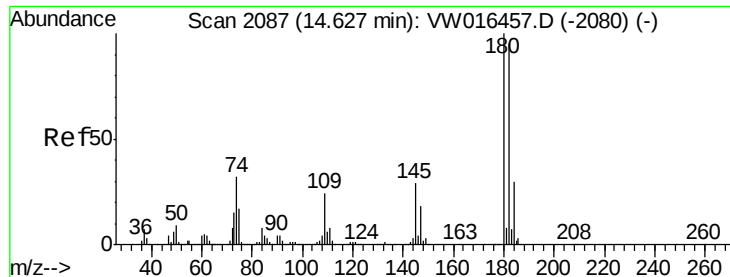


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

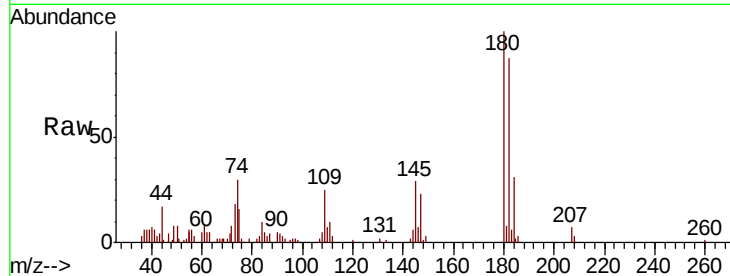




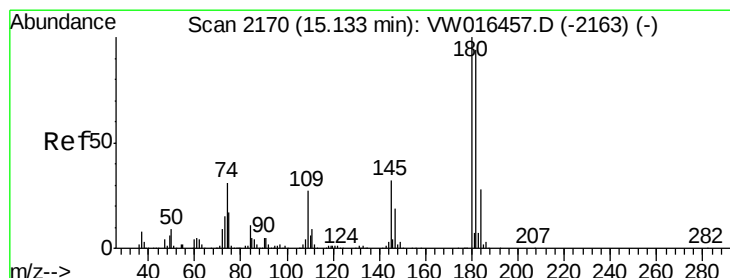
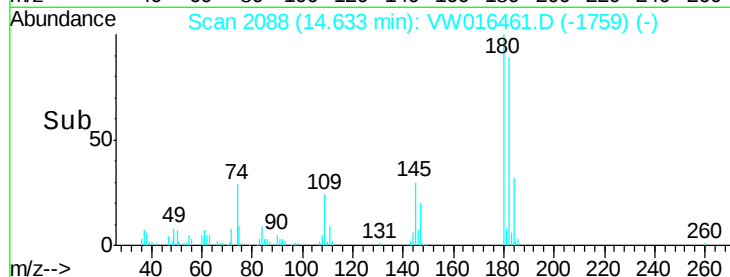
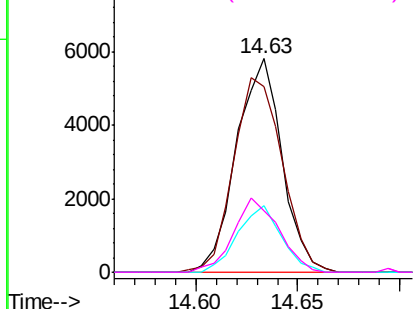
#67
 1,3,5-Trichlorobenzene
 Concen: 0.640 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 9034
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.8 113.8
 184 30.1 24.2 36.2
 145 34.2 24.6 36.8

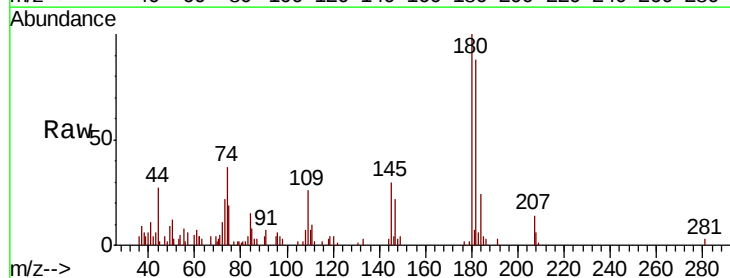


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

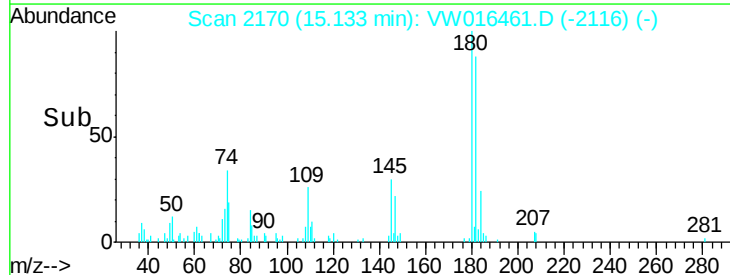
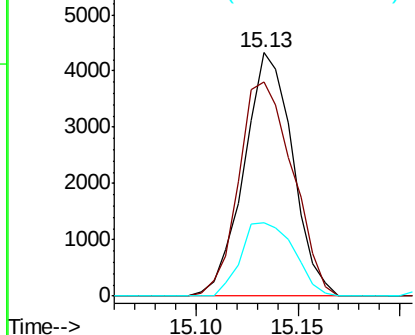


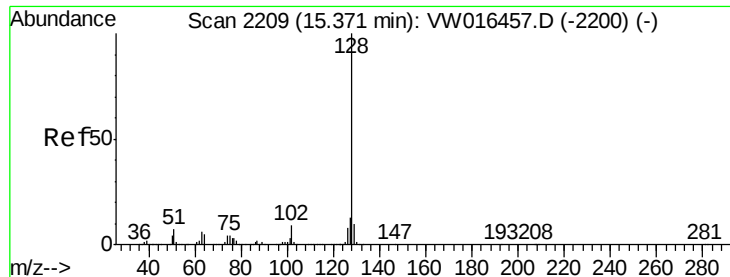
#68
 1,2,4-trichlorobenzene
 Concen: 0.588 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016461.D
 Acq: 04 Sep 2020 13:43

Tgt Ion:180 Resp: 7170
 Ion Ratio Lower Upper
 180 100
 182 97.4 78.5 117.7
 145 32.9 25.6 38.4



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





#69

Naphthalene

Concen: 0.559 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

Instrument :

MSVOA_W

ClientSampleId :

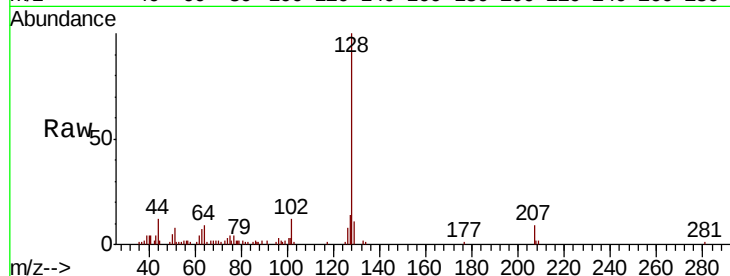
Tot Ion:128 Resp: 14383

Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

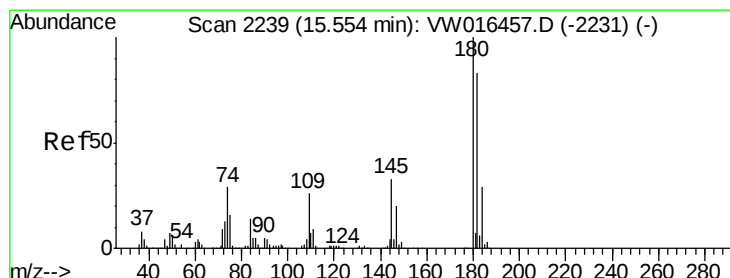
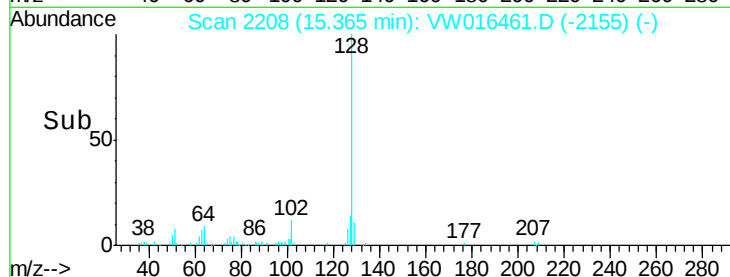
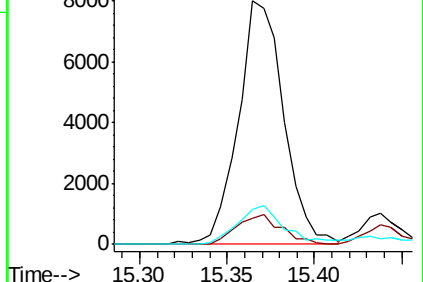
127 15.2 10.5 15.7



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: 0.615 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016461.D

Acq: 04 Sep 2020 13:43

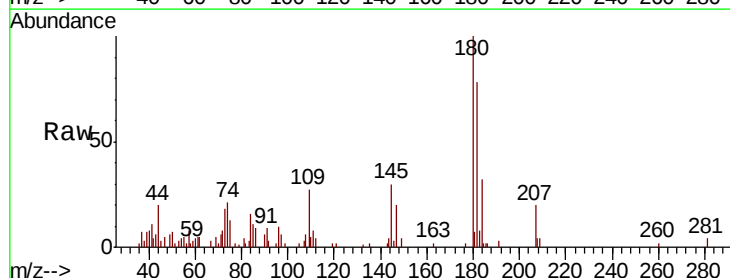
Tgt Ion:180 Resp: 6440

Ion Ratio Lower Upper

180 100

182 91.0 76.1 114.1

145 35.4 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

