

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102820\
 Data File : VW017004.D
 Acq On : 28 Oct 2020 09:52
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 08:03:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 15:00:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	495483	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	451409	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	234158	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123396	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.32%
7) Chloroethane-d5	2.89	69	103266	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
10) 1,1-Dichloroethene-d2	4.03	63	267498	24.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.20%
20) 2-Butanone-d5	7.08	46	68670	63.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.50%
24) Chloroform-d	7.65	84	288818	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	8.31	65	140526	26.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.52%
29) Benzene-d6	8.27	84	567020	24.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.80%
33) 1,2-Dichloropropane-d6	9.27	67	158654	25.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.40%
37) Toluene-d8	10.32	98	538332	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.58	79	72617	27.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.36%
39) 2-Hexanone-d5	10.93	63	57582	65.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138327	29.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	208742	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	145720	25.784	ug/L	96
3) Chloromethane	2.21	50	116064	23.793	ug/L	99
5) Vinyl chloride	2.37	62	187620	26.260	ug/L	98
6) Bromomethane	2.78	94	123057	25.360	ug/L	100
8) Chloroethane	2.93	64	107573	26.162	ug/L	97
9) Trichlorofluoromethane	3.26	101	140586	24.808	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	181728	26.607	ug/L	99
12) 1,1-Dichloroethene	4.04	96	171729	26.476	ug/L	95
13) Acetone	4.12	43	45644	62.970	ug/L	100
14) Carbon disulfide	4.39	76	510532	25.964	ug/L	99
15) Methyl Acetate	4.67	43	60266	31.845	ug/L	99
16) Methylene chloride	4.92	84	168359	25.699	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	191719	27.116	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	180048	26.542	ug/L	99
19) 1,1-Dichloroethane	6.21	63	281241	27.072	ug/L	99
21) 2-Butanone	7.17	43	76777	63.292	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	183913	26.817	ug/L	99

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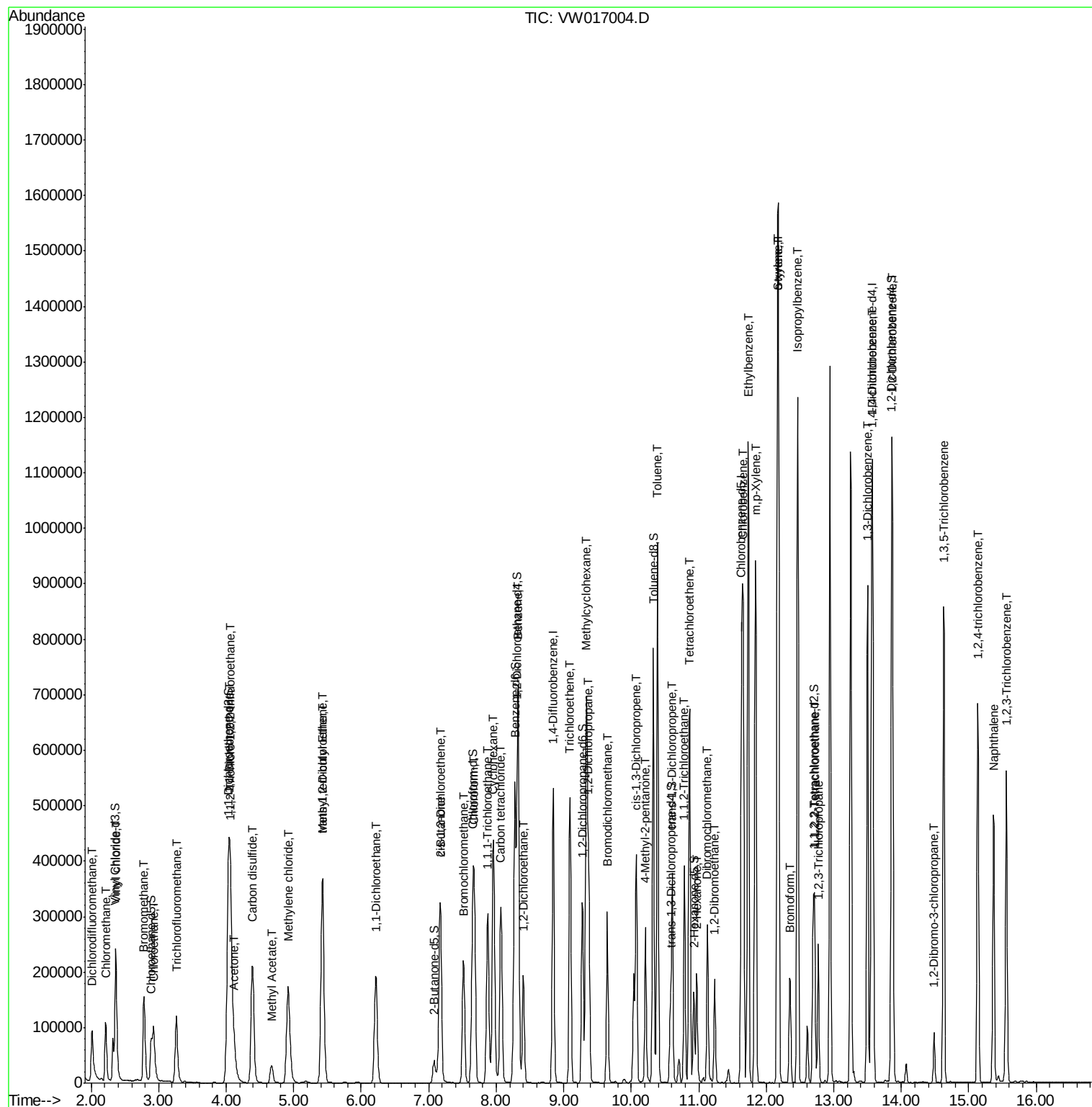
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	88426	27.931	ug/L	95
25) Chloroform	7.68	83	302911	27.390	ug/L	99
27) 1,2-Dichloroethane	8.40	62	178876	28.403	ug/L	99
30) Cyclohexane	7.96	56	252337	26.723	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	263432	26.955	ug/L	100
32) Carbon tetrachloride	8.07	117	253876	27.064	ug/L	98
34) Benzene	8.32	78	663236	26.596	ug/L	100
35) Trichloroethene	9.09	95	184021	26.645	ug/L	98
36) Methylcyclohexane	9.34	83	310639	26.782	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155205	27.869	ug/L	99
41) Bromodichloromethane	9.65	83	213134	28.196	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	247236	28.390	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	169561	64.230	ug/L	99
44) Toluene	10.39	91	737433	27.294	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	213685	29.620	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	128234	28.767	ug/L	96
47) Tetrachloroethene	10.86	164	167726	26.401	ug/L	87
49) 2-Hexanone	10.97	43	113833	67.660	ug/L	98
50) Dibromochloromethane	11.13	129	157700	29.040	ug/L	100
51) 1,2-Dibromoethane	11.24	107	127356	29.967	ug/L	99
52) Chlorobenzene	11.66	112	485645	26.888	ug/L	97
53) Ethylbenzene	11.73	91	824981	27.189	ug/L	100
54) m,p-Xylene	11.84	106	328923	27.554	ug/L	97
55) o-xylene	12.16	106	303625	27.458	ug/L	96
56) Styrene	12.18	104	515744	27.879	ug/L	98
57) Isopropylbenzene	12.46	105	836735	27.356	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	148642	31.066	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	104621	30.555	ug/L	99
62) Bromoform	12.35	173	89917	27.327	ug/L	95
63) 1,3-Dichlorobenzene	13.50	146	389219	25.761	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	387875	25.753	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	355013	26.636	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22608	31.182	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	294826	26.661	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	235104	27.428	ug/L	98
69) Naphthalene	15.36	128	431871	31.062	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	215750	28.884	ug/L	98

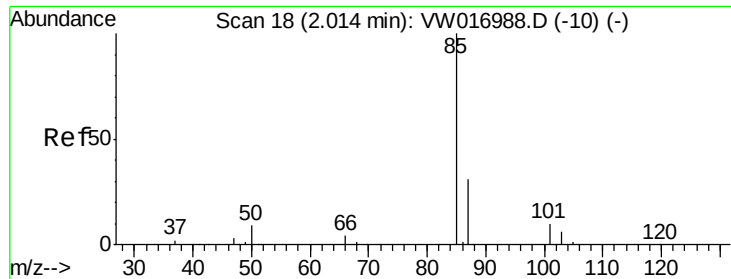
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.784 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

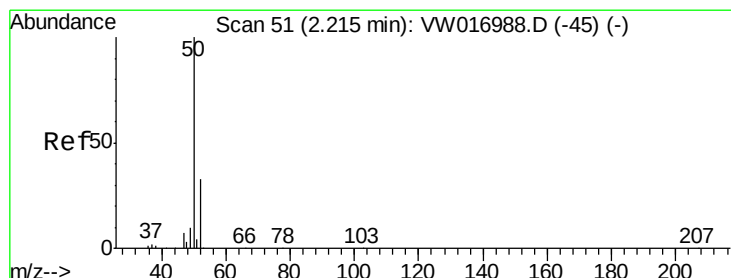
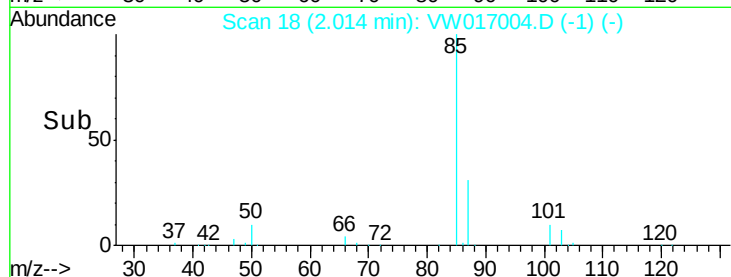
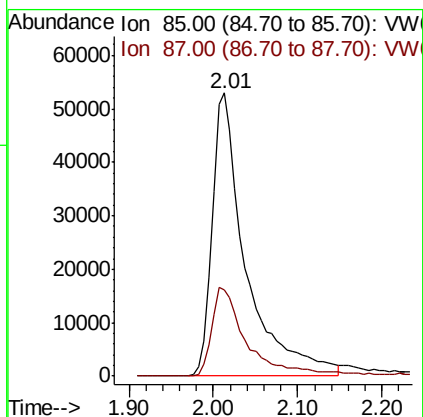
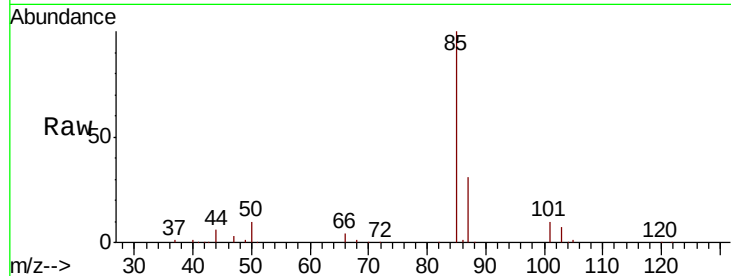
ClientSampled :

Tot Ion: 85 Resp: 145720

Ion Ratio Lower Upper

85 100

87 30.0 22.4 41.6



#3

Chloromethane

Concen: 23.793 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017004.D

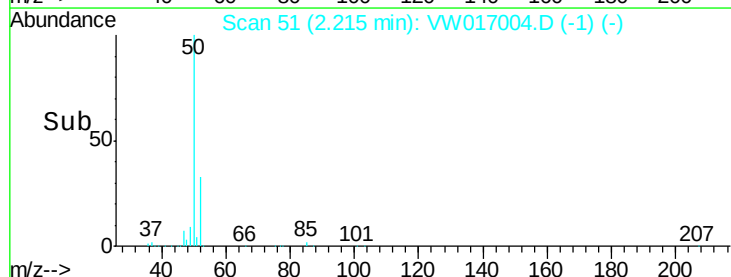
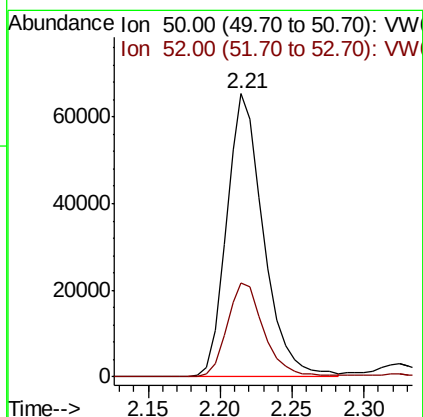
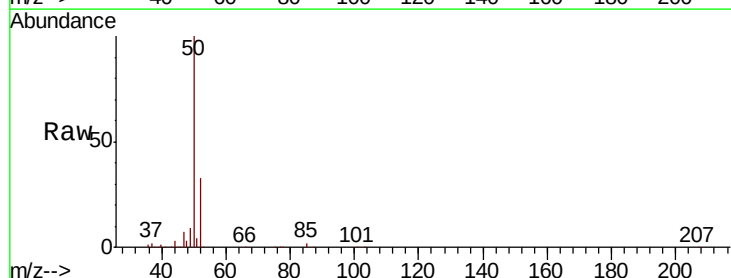
Acq: 28 Oct 2020 09:52

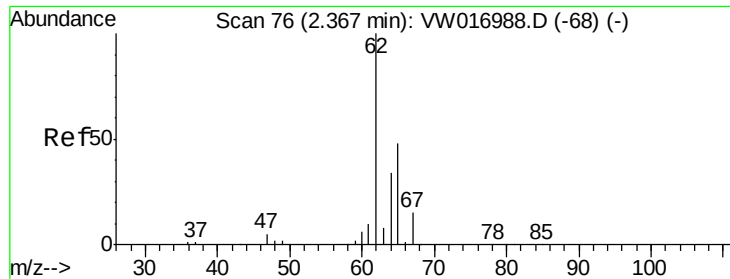
Tgt Ion: 50 Resp: 116064

Ion Ratio Lower Upper

50 100

52 33.1 23.5 43.7





#5

Vinyl chloride

Concen: 26.260 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

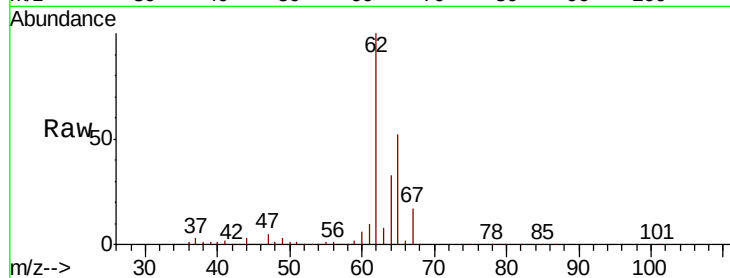
ClientSampleId :

Tot Ion: 62 Resp: 187620

Ion Ratio Lower Upper

62 100

64 33.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

100000

80000

60000

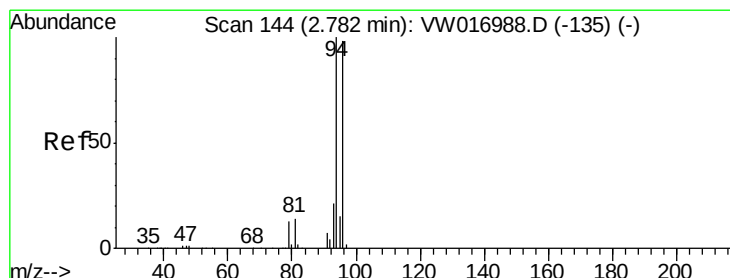
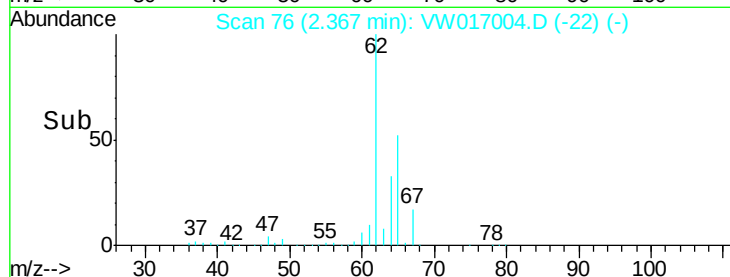
40000

20000

0

Time-->

2.30 2.35 2.40 2.45 2.50



#6

Bromomethane

Concen: 25.360 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017004.D

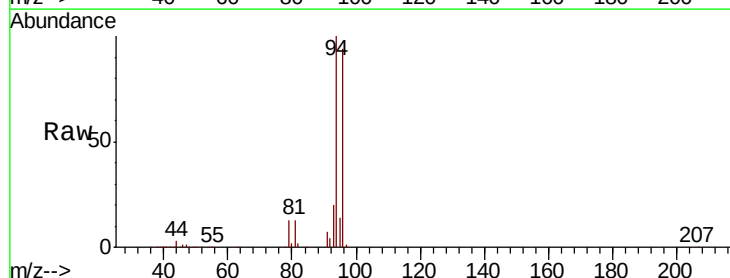
Acq: 28 Oct 2020 09:52

Tgt Ion: 94 Resp: 123057

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

60000

50000

40000

30000

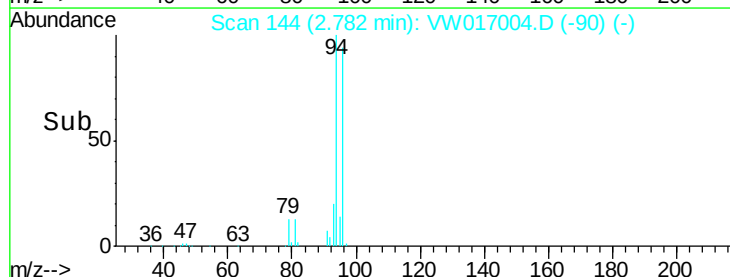
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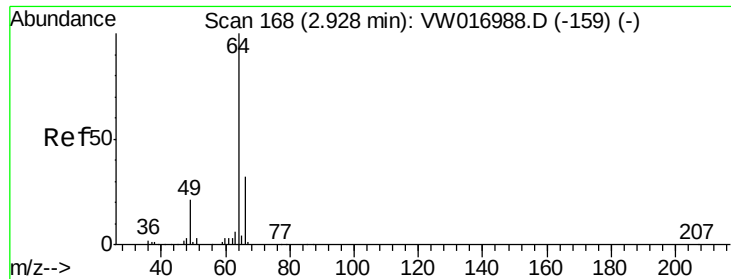
10000

0

Time-->

2.70 2.80 2.90

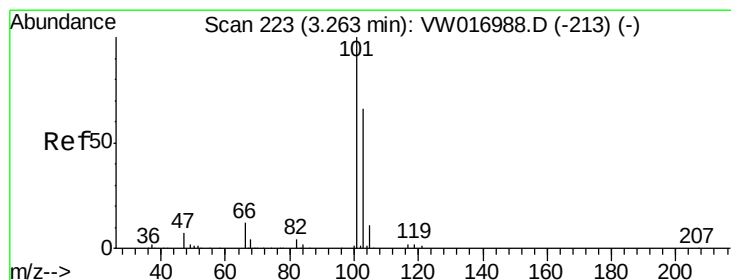
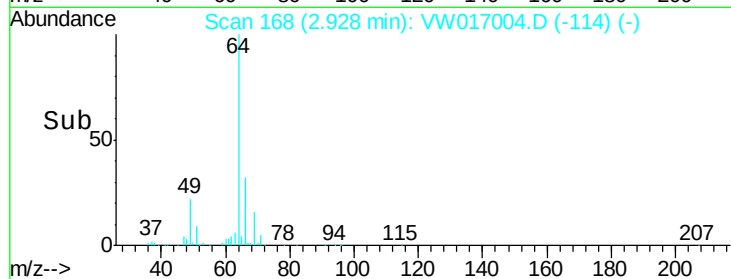
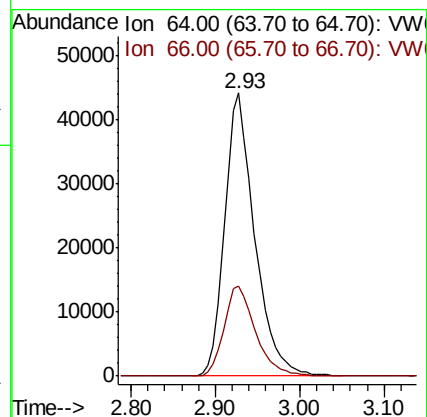
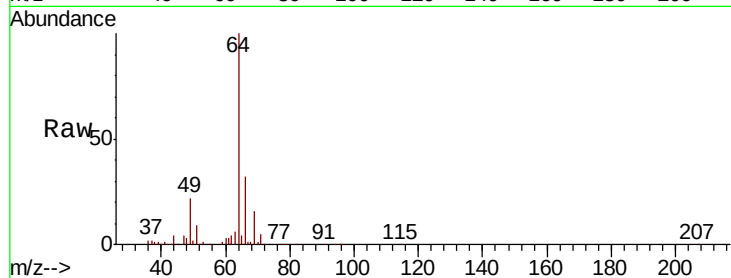




#8
Chloroethane
Concen: 26.162 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

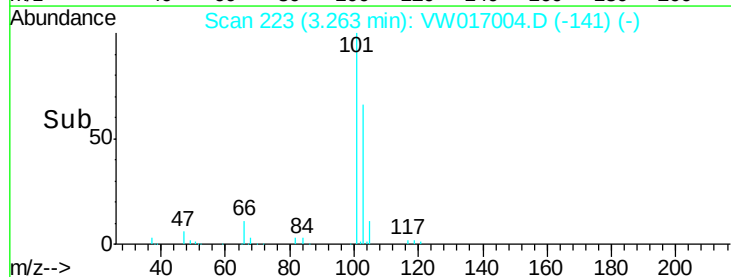
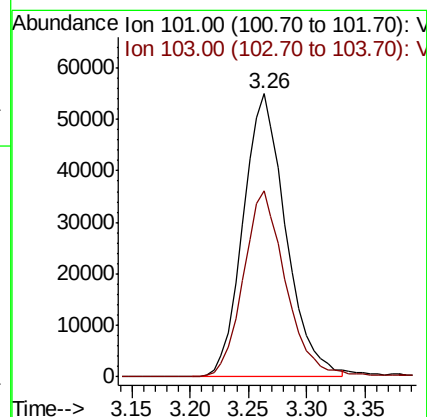
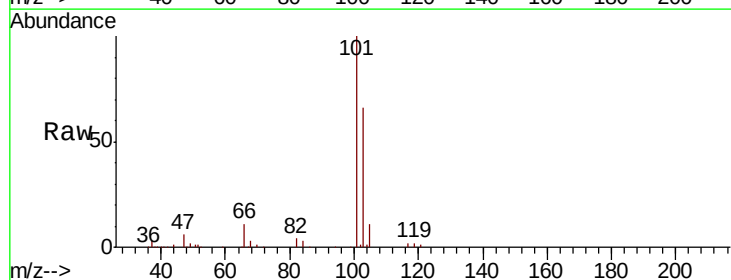
Instrument :
MSVOA_W
ClientSampled :

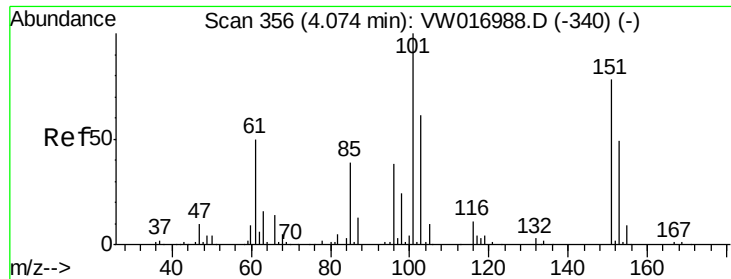
Tot Ion: 64 Resp: 107573
Ion Ratio Lower Upper
64 100
66 31.7 23.4 43.6



#9
Trichlorofluoromethane
Concen: 24.808 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Tgt Ion: 101 Resp: 140586
Ion Ratio Lower Upper
101 100
103 65.8 44.9 83.5





#11

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

Concen: 26.607 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

ClientSampled :

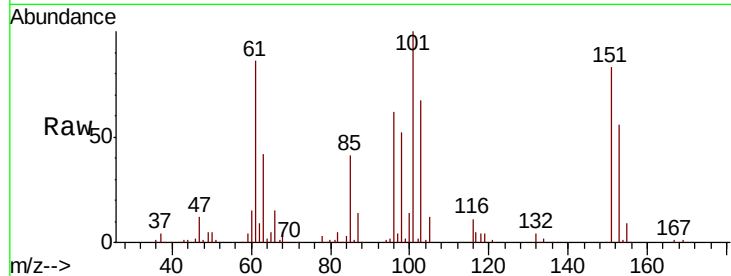
Tot Ion: 101 Resp: 181728

Ion Ratio Lower Upper

101 100

85 40.4 32.5 48.7

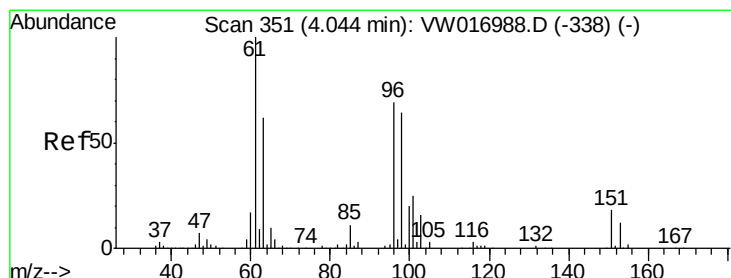
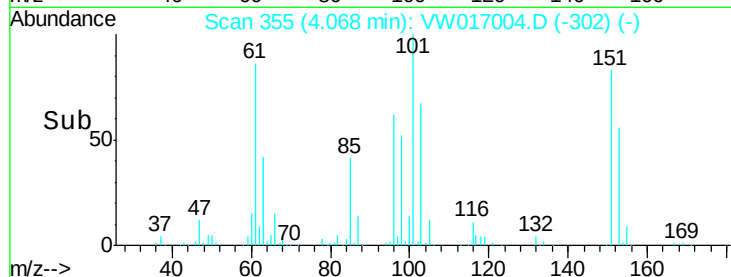
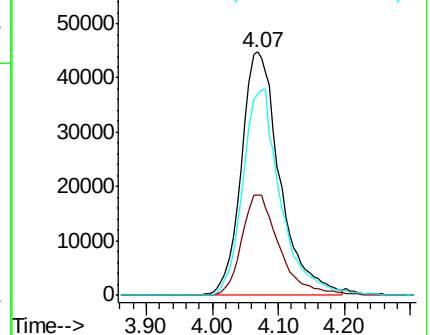
151 82.7 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.476 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

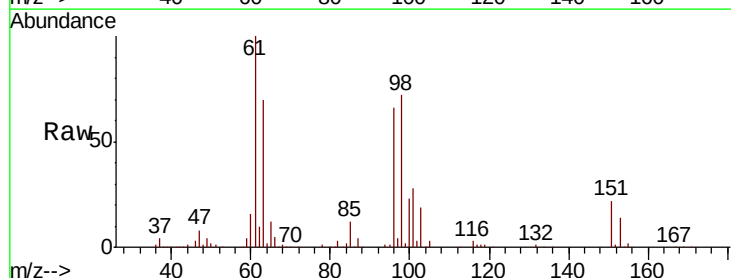
Tgt Ion: 96 Resp: 171729

Ion Ratio Lower Upper

96 100

61 151.5 101.4 188.4

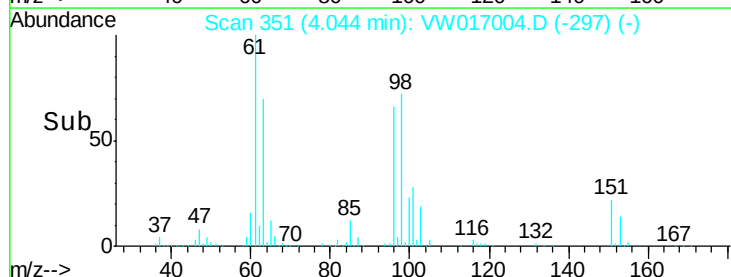
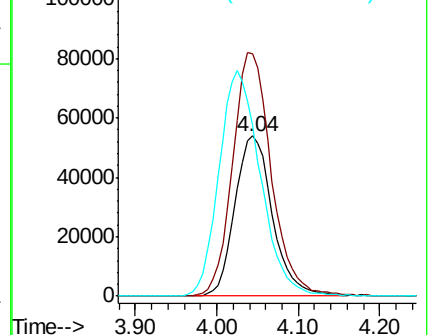
63 106.1 78.5 145.9

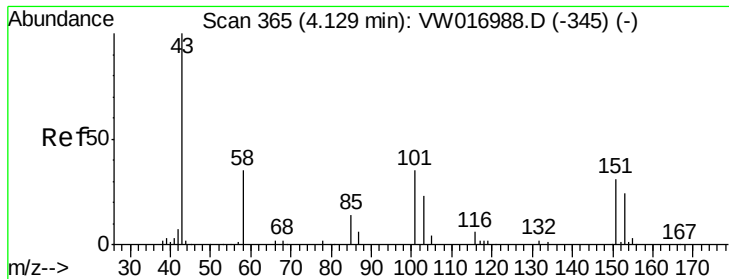


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 62.970 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

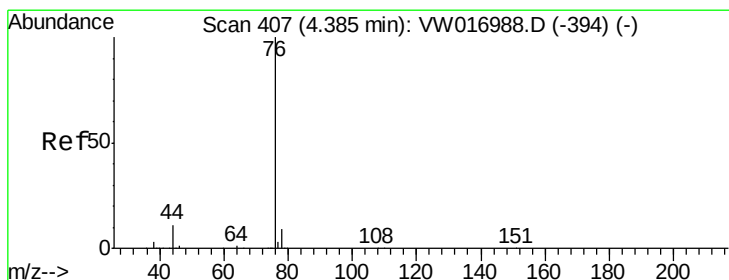
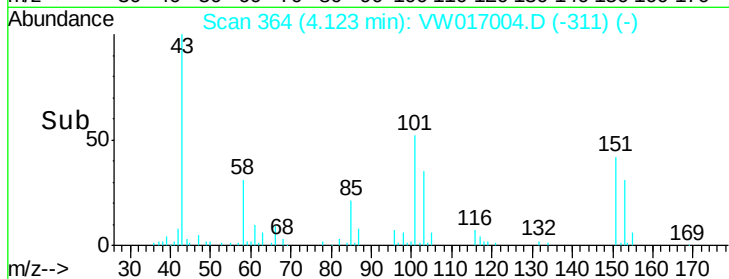
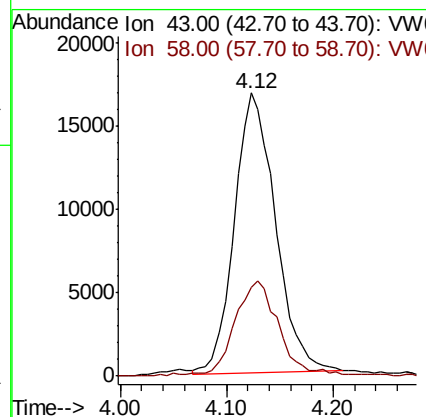
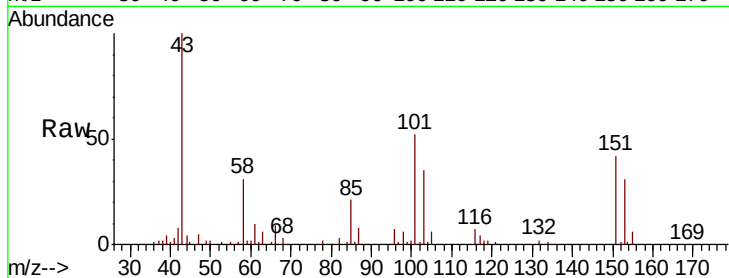
ClientSampled :

Tot Ion: 43 Resp: 45644

Ion Ratio Lower Upper

43 100

58 35.2 0.0 69.8



#14

Carbon disulfide

Concen: 25.964 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017004.D

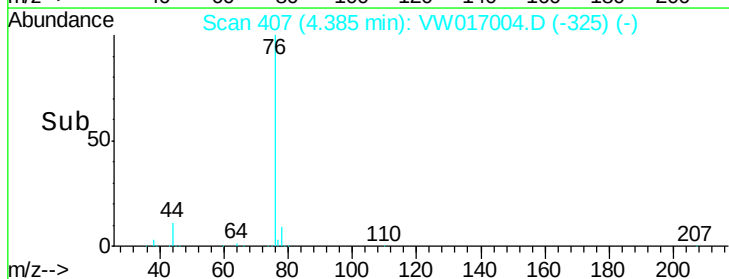
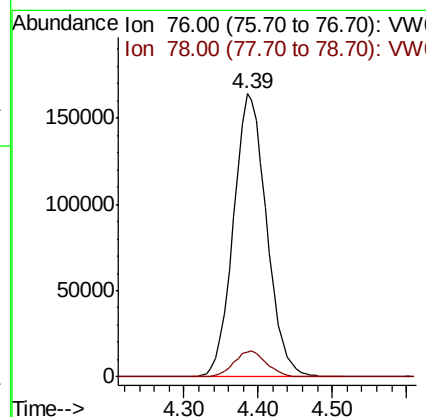
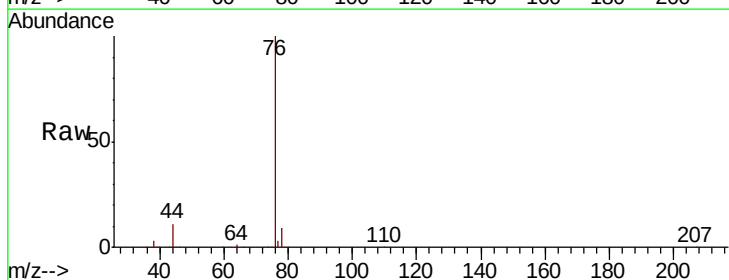
Acq: 28 Oct 2020 09:52

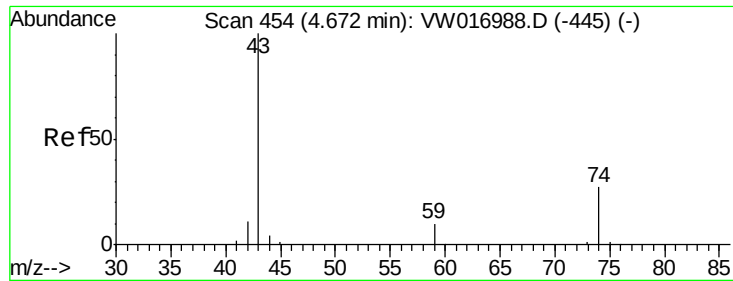
Tgt Ion: 76 Resp: 510532

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

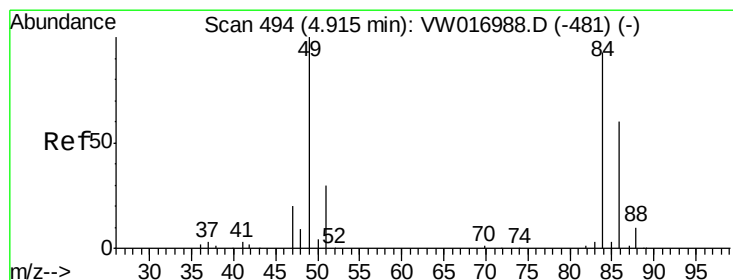
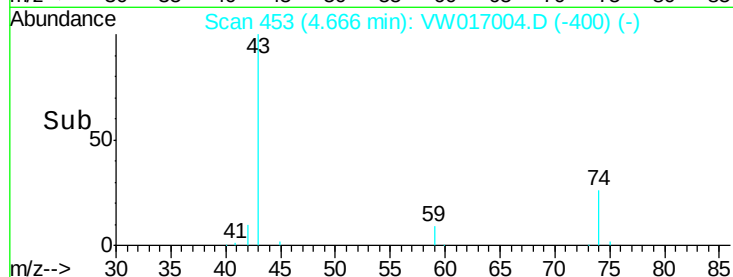
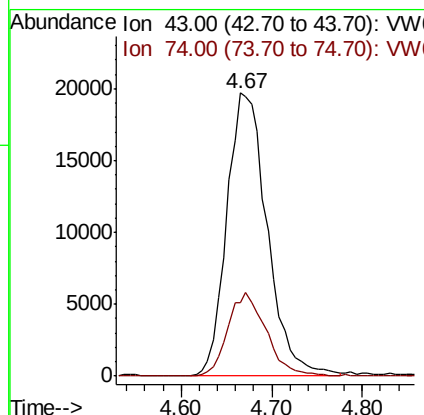
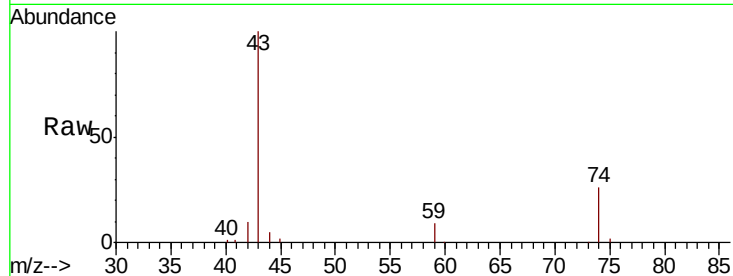




#15
Methvl Acetate
Concen: 31.845 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

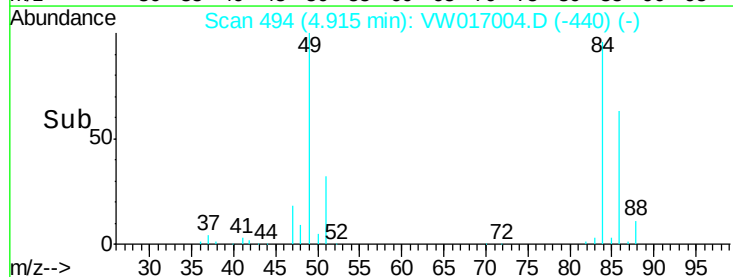
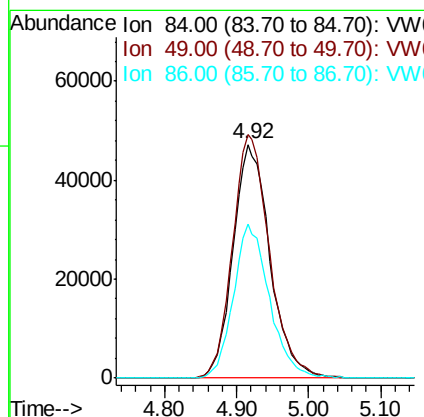
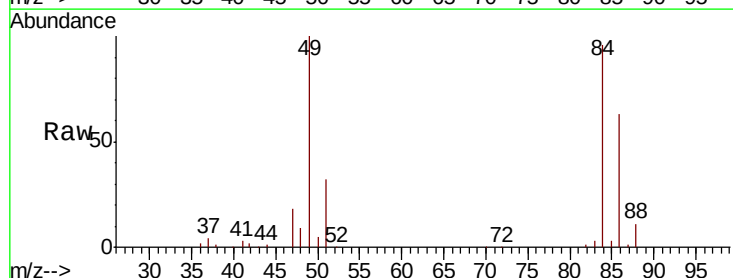
Instrument :
MSVOA_W
ClientSampled :

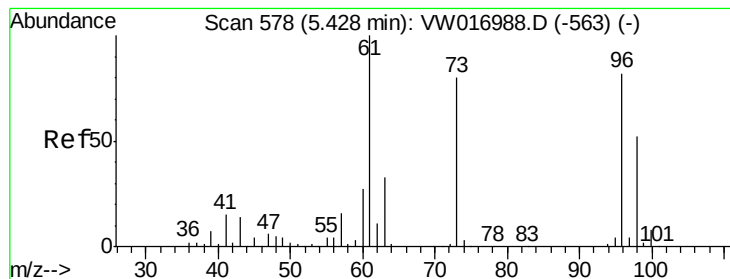
Tot Ion: 43 Resp: 60266
Ion Ratio Lower Upper
43 100
74 28.2 22.8 34.2



#16
Methylene chloride
Concen: 25.699 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Tgt Ion: 84 Resp: 168359
Ion Ratio Lower Upper
84 100
49 104.1 73.8 137.0
86 66.0 47.4 88.0





#17

Methyl tert-butyl Ether

Concen: 27.116 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

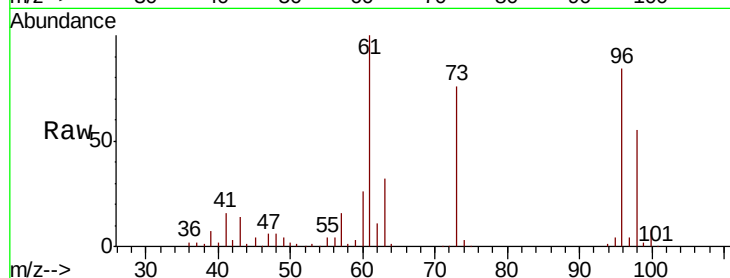
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 73 Resp: 191719

Ion	Ratio	Lower	Upper
73	100		
43	17.5	14.4	21.6
57	20.3	16.6	25.0

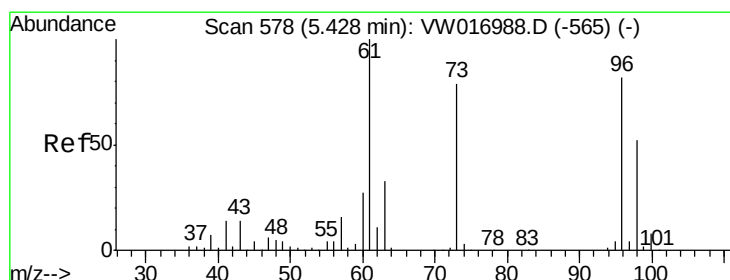
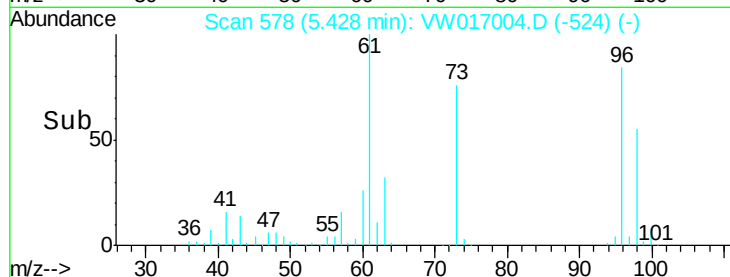
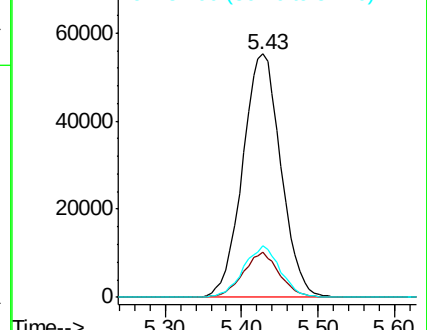


Abundance

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: 26.542 ug/L

RT: 5.42 min Scan# 577

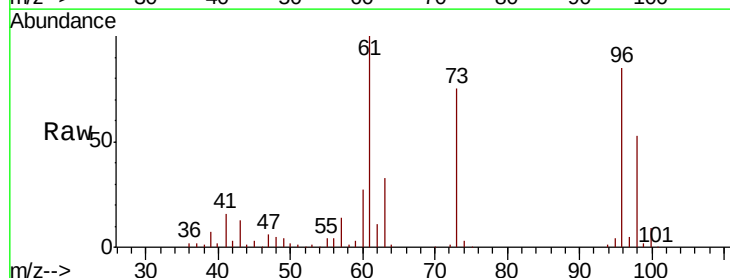
Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Tgt Ion: 96 Resp: 180048

Ion	Ratio	Lower	Upper
96	100		
61	117.9	82.7	153.7
98	62.6	42.6	79.0

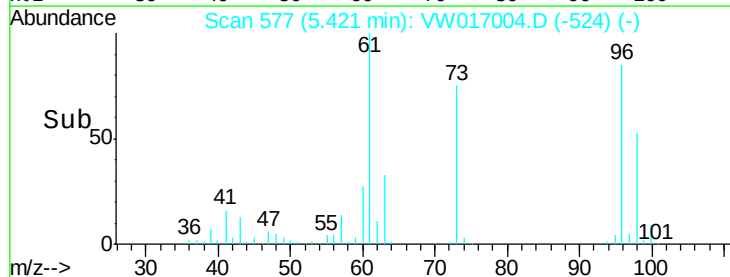
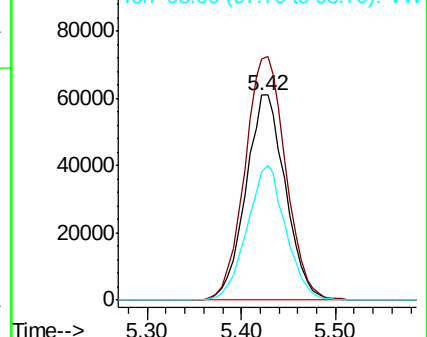


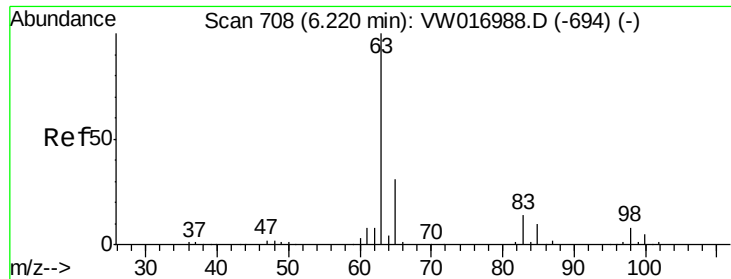
Abundance

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

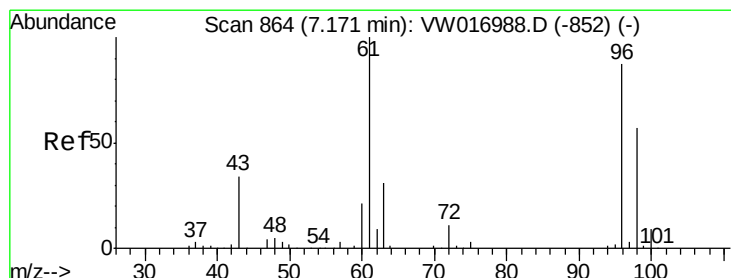
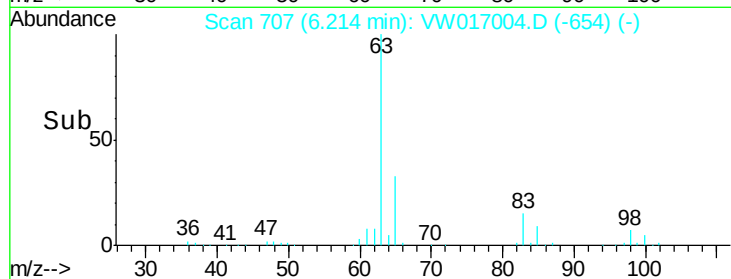
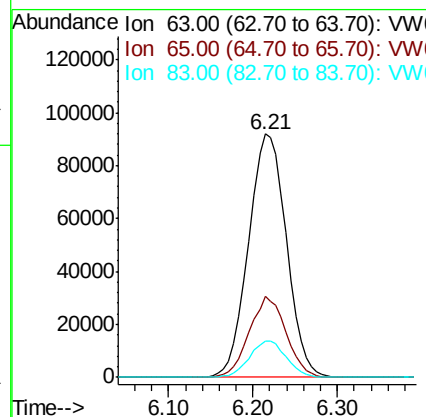
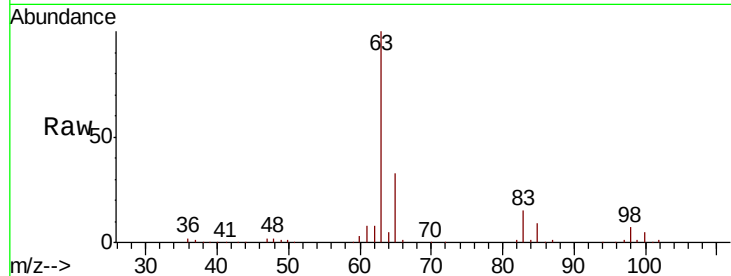




#19
 1,1-Dichloroethane
 Concen: 27.072 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

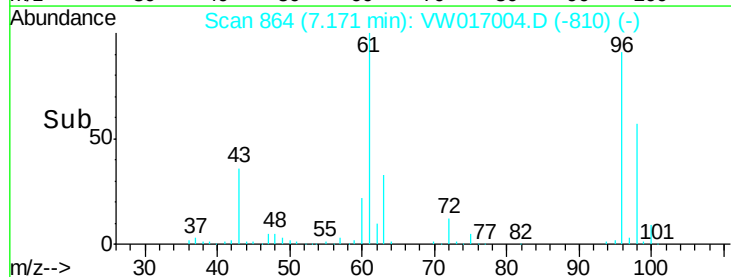
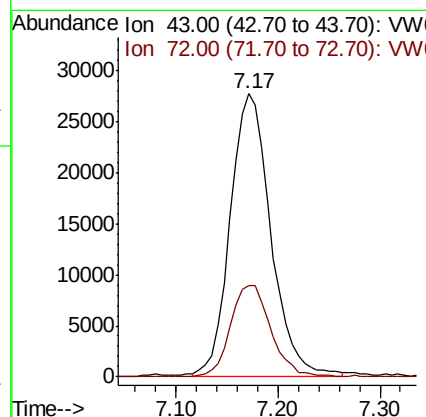
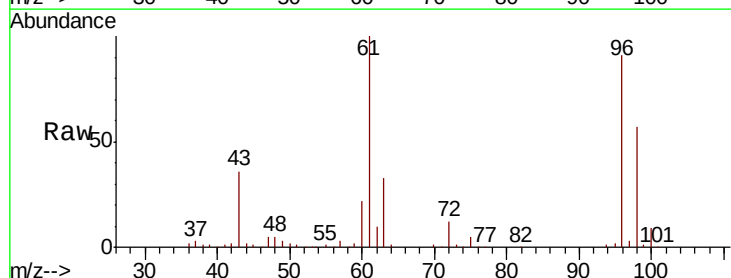
Instrument :
 MSVOA_W
 ClientSampleId :

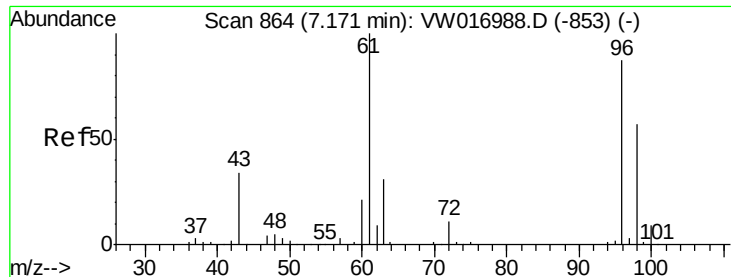
Tot Ion: 63 Resp: 281241
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.5 41.9
 83 14.8 10.1 18.9



#21
 2-Butanone
 Concen: 63.292 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion: 43 Resp: 76777
 Ion Ratio Lower Upper
 43 100
 72 32.0 16.1 48.2





#22

cis-1,2-Dichloroethene

Concen: 26.817 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :
MSVOA_W
ClientSampled :

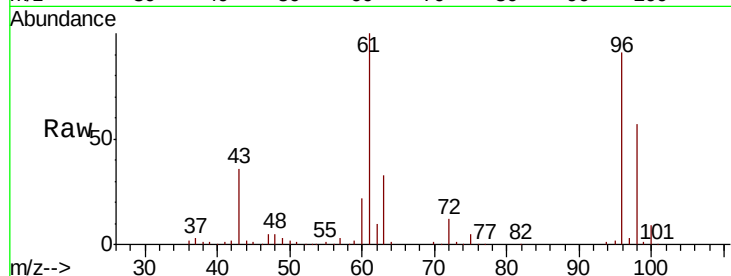
Tot Ion: 96 Resp: 183913

Ion Ratio Lower Upper

96 100

61 109.3 77.4 143.8

98 62.6 44.4 82.5

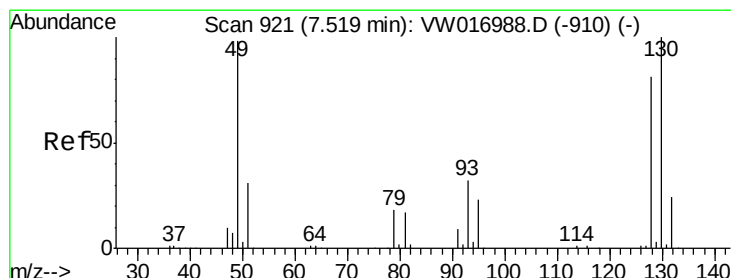
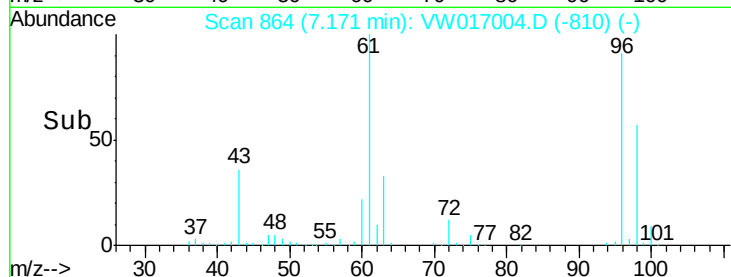
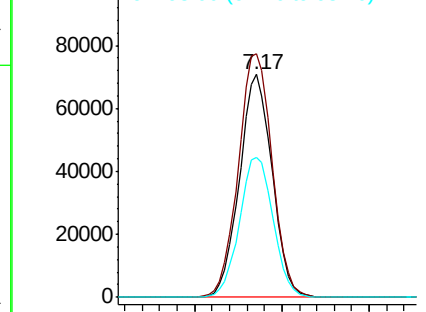


Abundance

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: 27.931 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Tgt Ion: 128 Resp: 88426

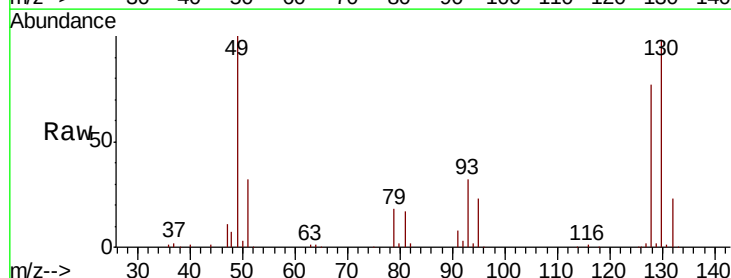
Ion Ratio Lower Upper

128 100

49 130.0 86.4 160.4

130 128.0 86.4 160.4

51 42.0 30.9 46.3



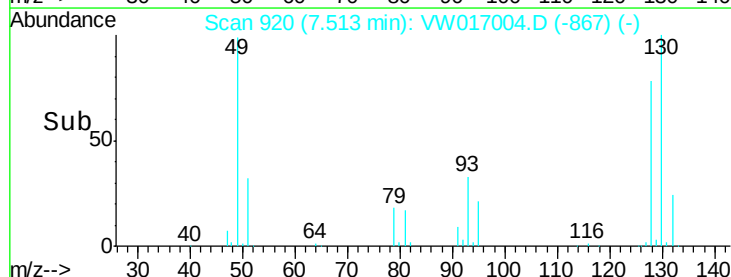
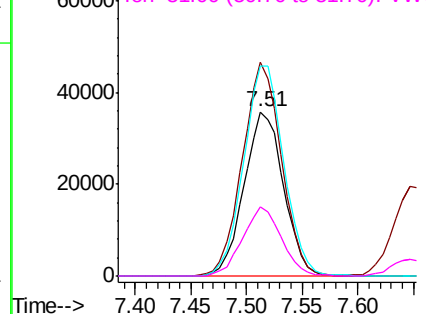
Abundance

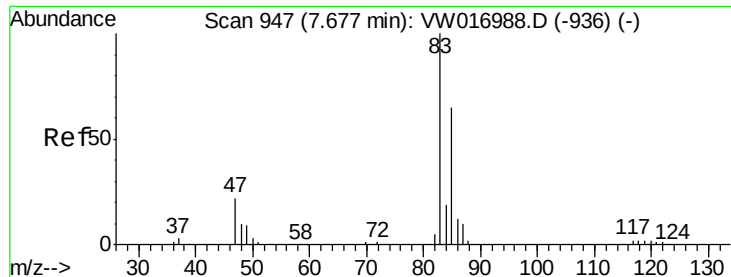
Ion 128.00 (127.70 to 128.70): V

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

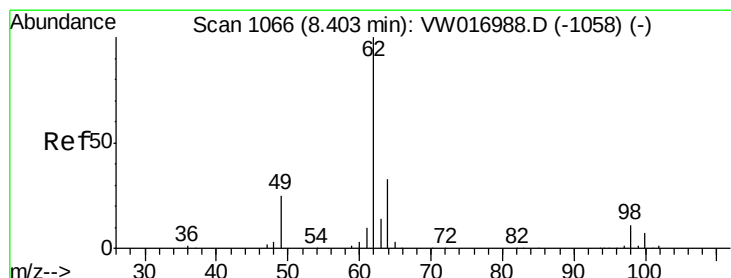
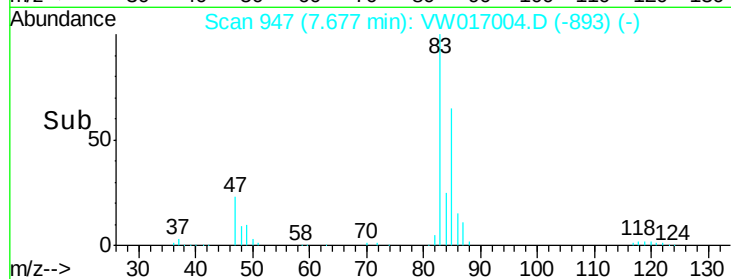
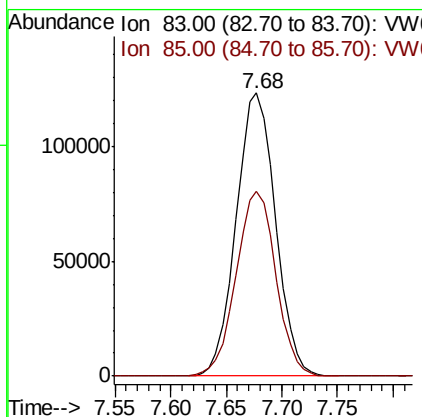
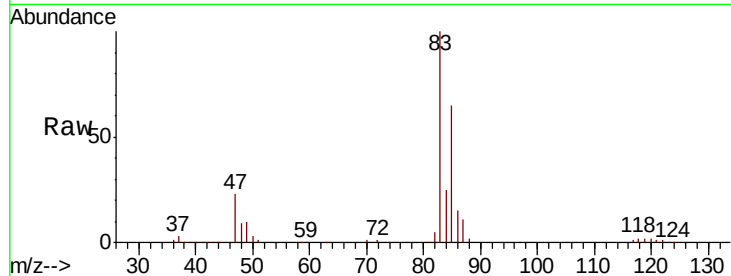




#25
Chloroform
Concen: 27.390 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

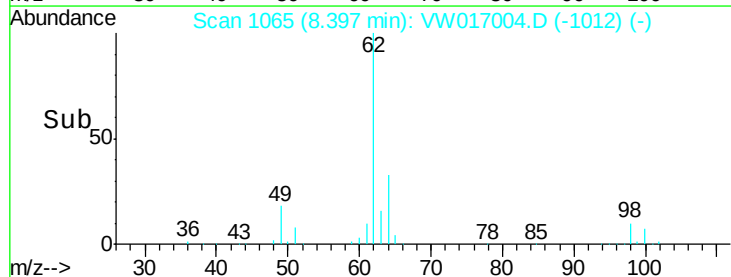
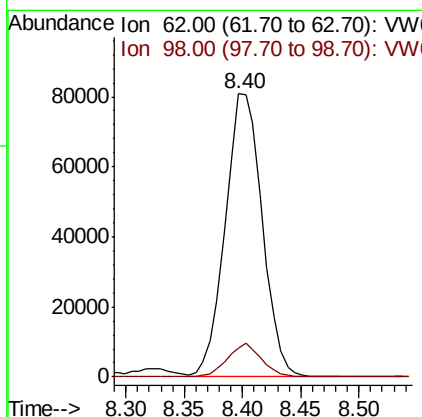
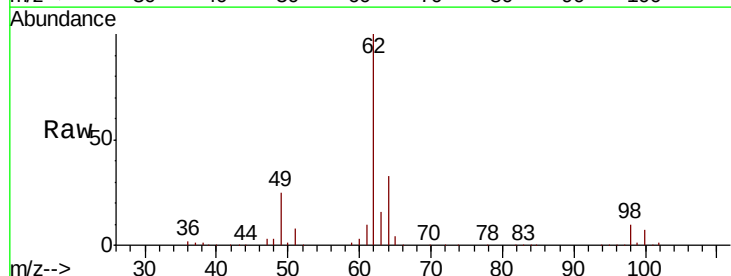
Instrument :
MSVOA_W
ClientSampled :

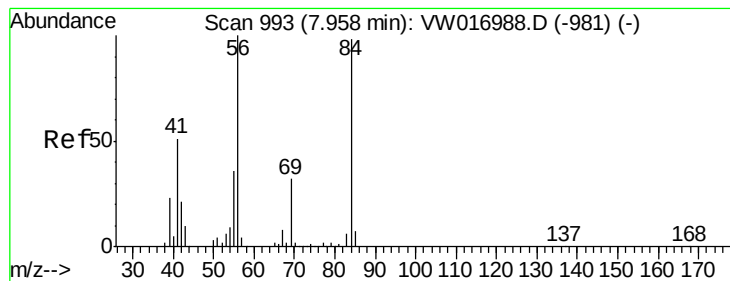
Tot Ion: 83 Resp: 302911
Ion Ratio Lower Upper
83 100
85 66.0 46.6 86.6



#27
1,2-Dichloroethane
Concen: 28.403 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Tgt Ion: 62 Resp: 178876
Ion Ratio Lower Upper
62 100
98 10.1 8.5 12.7





#30

Cyclohexane

Concen: 26.723 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

ClientSampled :

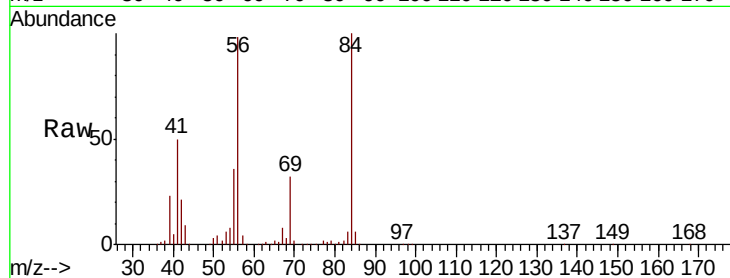
Tot Ion: 56 Resp: 252337

Ion Ratio Lower Upper

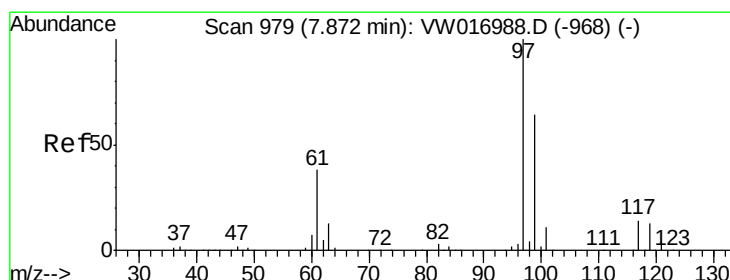
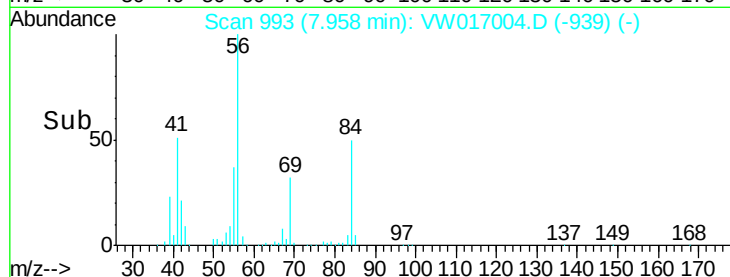
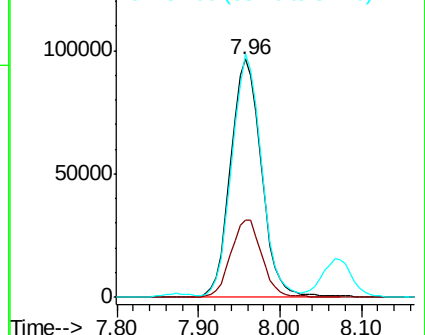
56 100

69 32.7 26.0 39.0

84 98.3 78.6 118.0



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



#31

1,1,1-Trichloroethane

Concen: 26.955 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

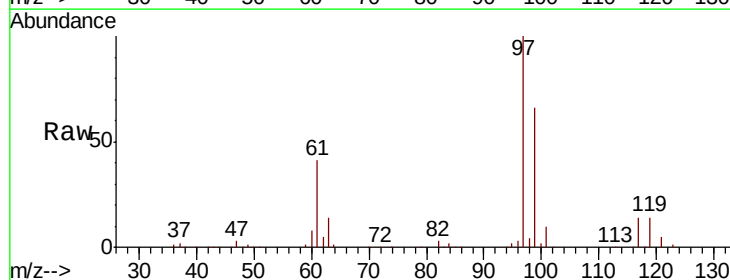
Tgt Ion: 97 Resp: 263432

Ion Ratio Lower Upper

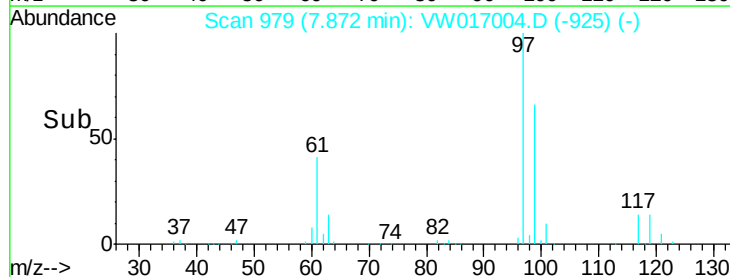
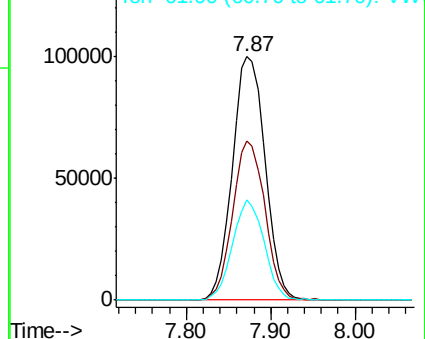
97 100

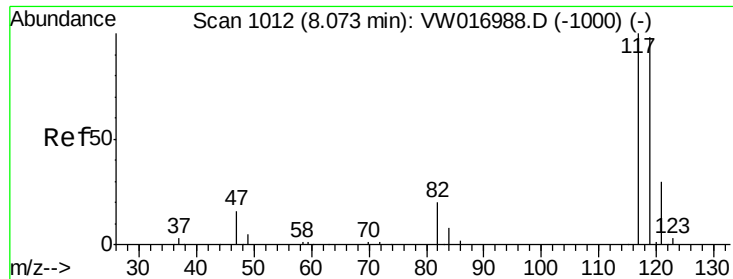
99 64.5 51.3 76.9

61 39.5 31.8 47.8



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





#32

Carbon tetrachloride

Concen: 27.064 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

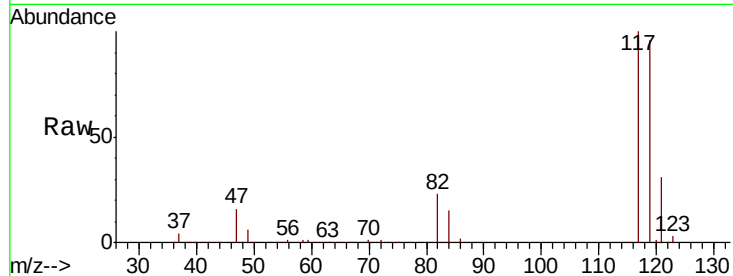
ClientSampled :

Tot Ion:117 Resp: 253876

Ion Ratio Lower Upper

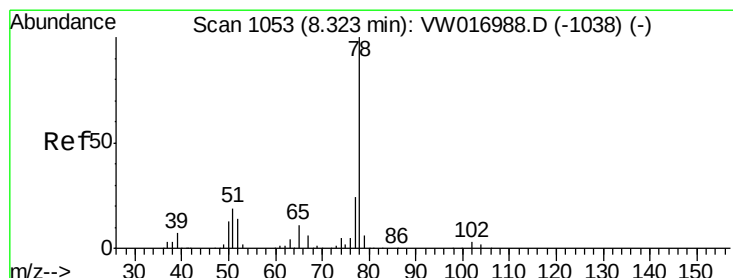
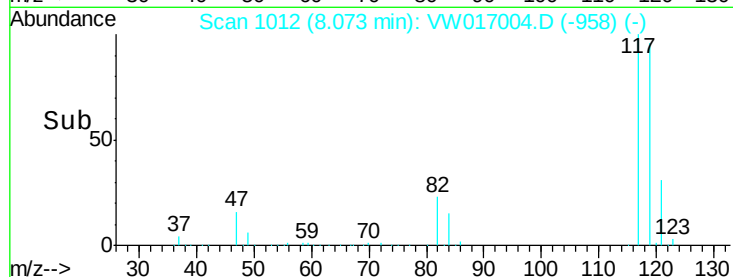
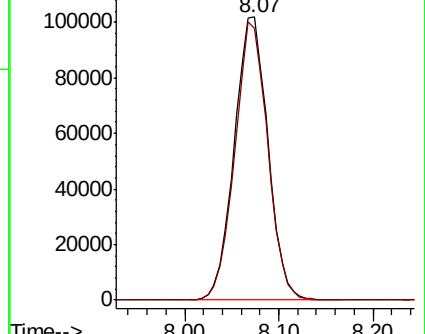
117 100

119 96.0 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.596 ug/L

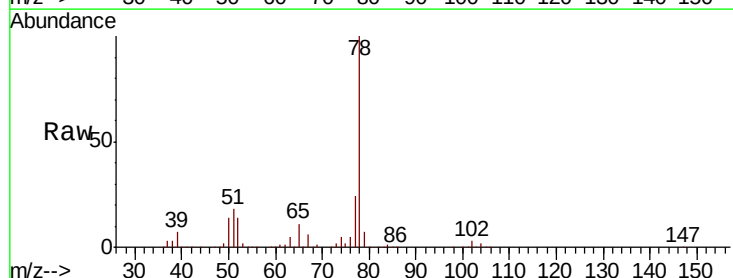
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

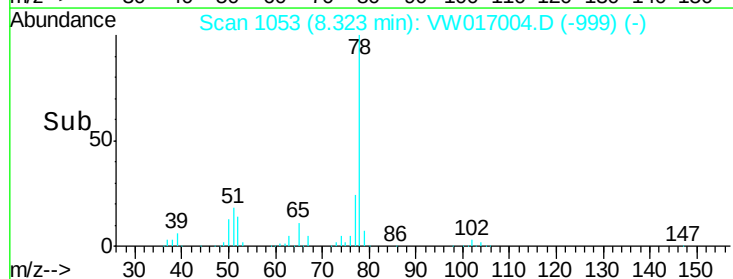
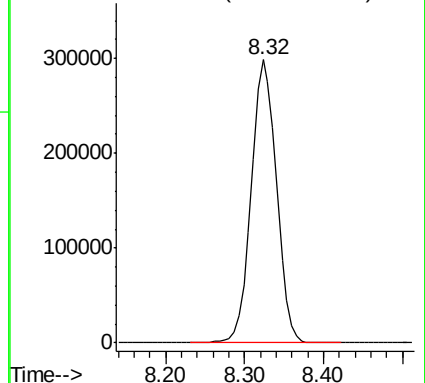
Lab File: VW017004.D

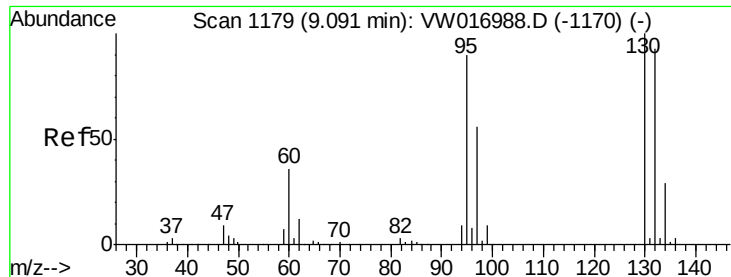
Acq: 28 Oct 2020 09:52

Tgt Ion: 78 Resp: 663236



Abundance Ion 78.00 (77.70 to 78.70): VW

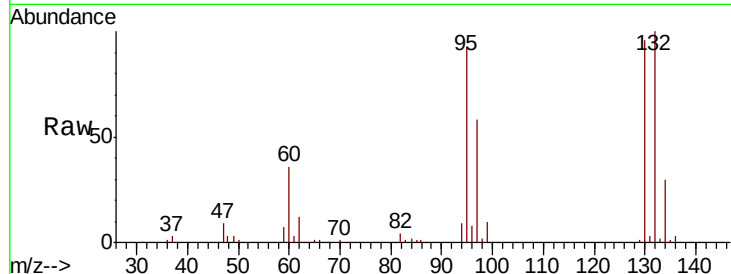




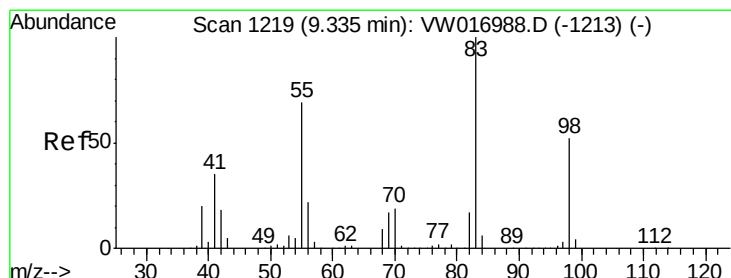
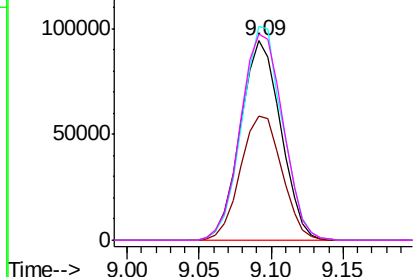
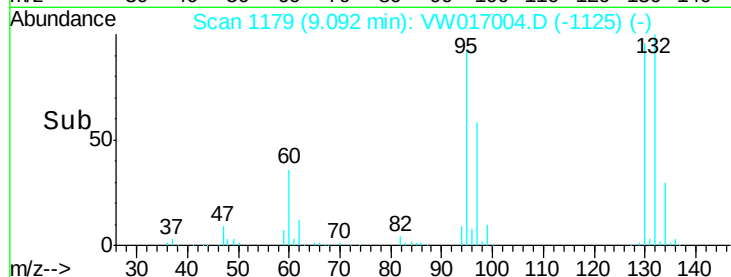
#35
 Trichloroethene
 Concen: 26.645 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 184021
 Ion Ratio Lower Upper
 95 100
 97 64.2 46.0 85.4
 132 107.2 73.9 137.3
 130 108.7 77.6 144.2

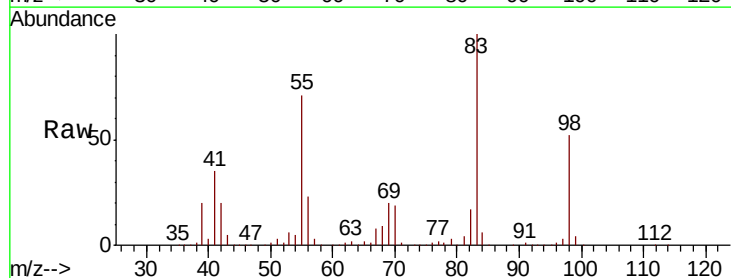


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

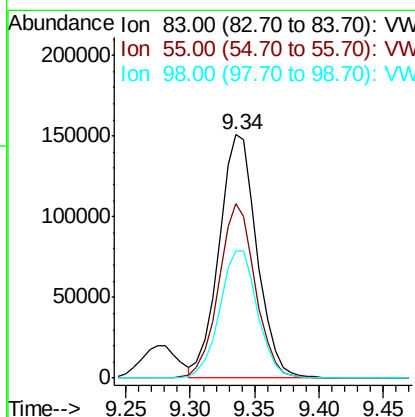
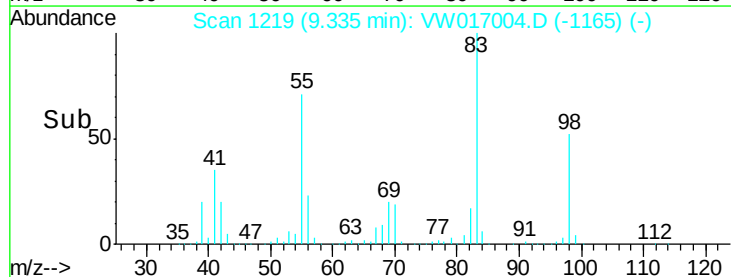


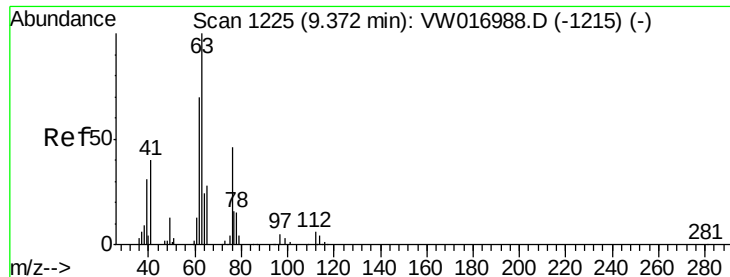
#36
 Methylcyclohexane
 Concen: 26.782 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion: 83 Resp: 310639
 Ion Ratio Lower Upper
 83 100
 55 69.0 54.5 81.7
 98 52.1 40.8 61.2



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: 27.869 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

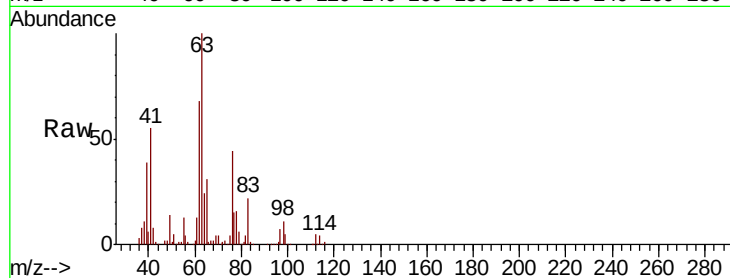
ClientSampleId :

Tot Ion: 63 Resp: 155205

Ion Ratio Lower Upper

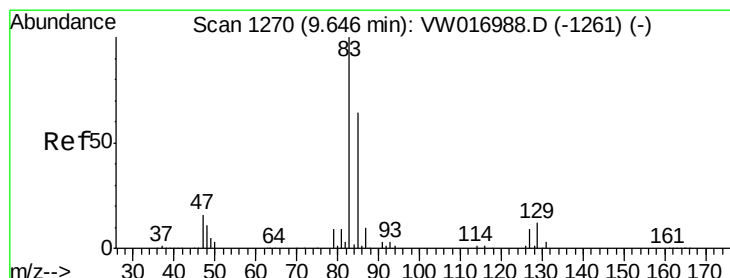
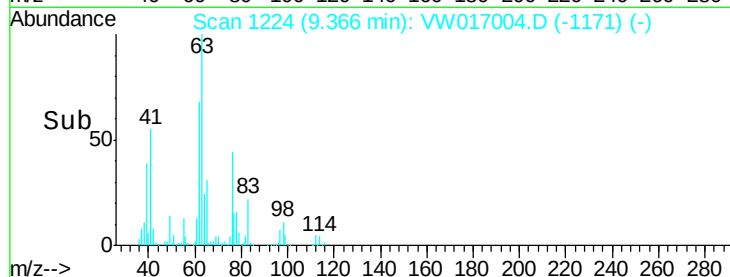
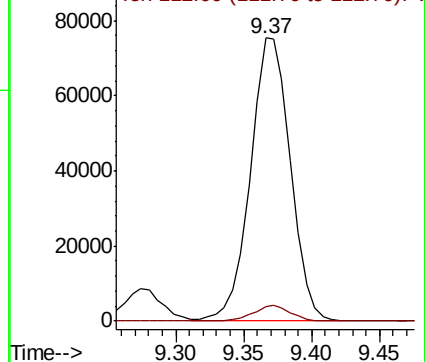
63 100

112 5.3 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.196 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

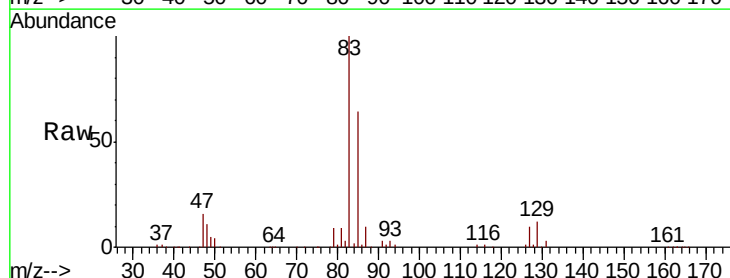
Tgt Ion: 83 Resp: 213134

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

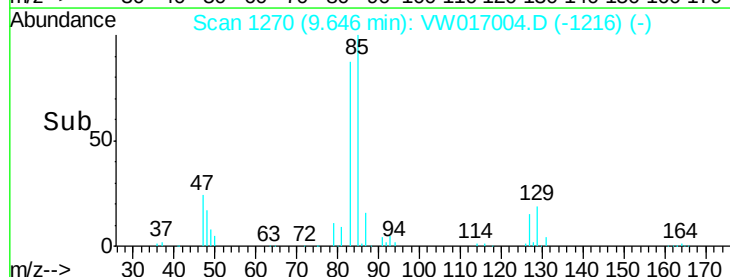
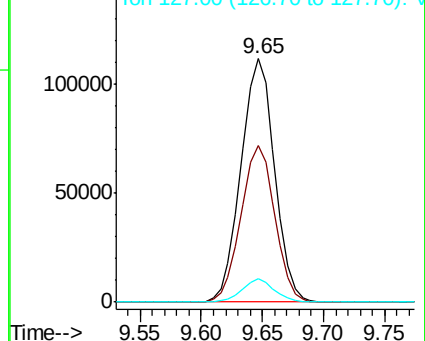
127 9.7 7.8 11.6

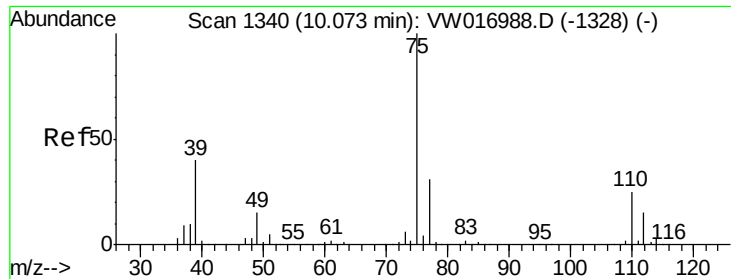


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 28.390 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

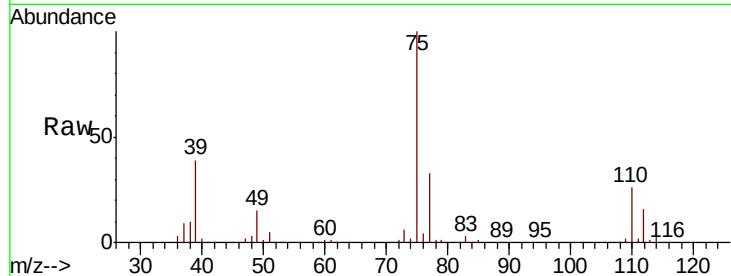
ClientSampleId :

Tot Ion: 75 Resp: 247236

Ion Ratio Lower Upper

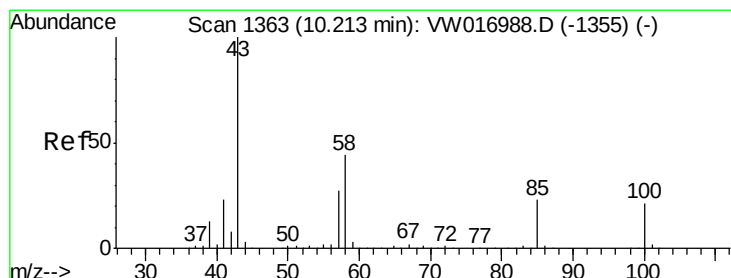
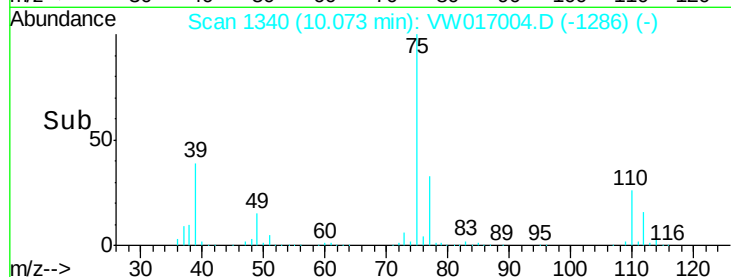
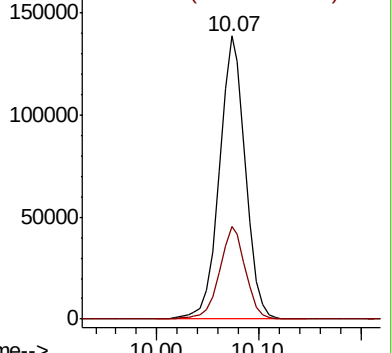
75 100

77 32.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 64.230 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

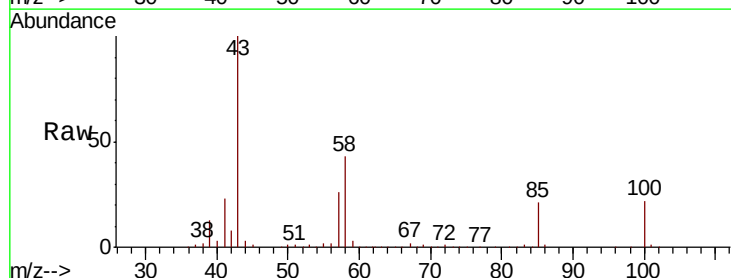
Tgt Ion: 43 Resp: 169561

Ion Ratio Lower Upper

43 100

58 43.6 34.4 51.6

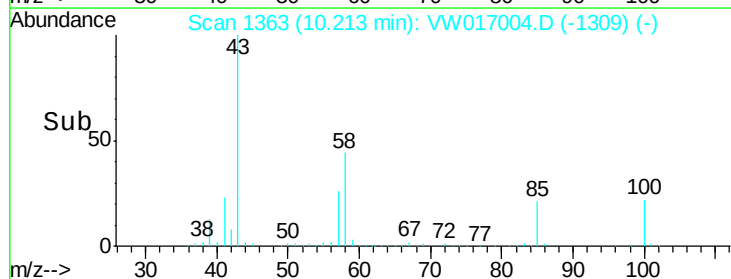
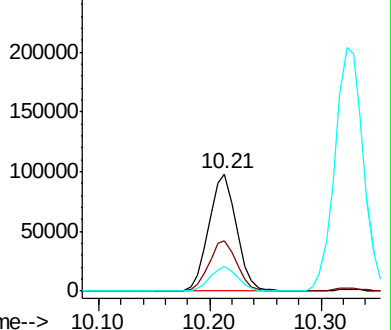
100 20.8 16.2 24.2

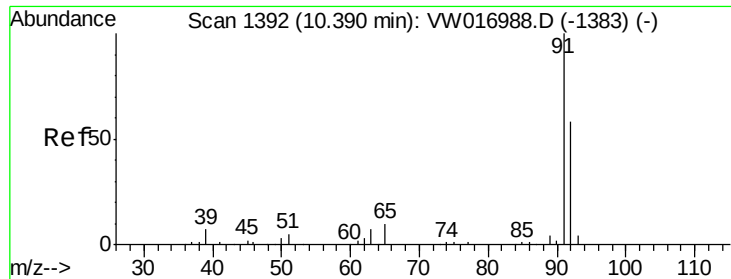


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 27.294 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

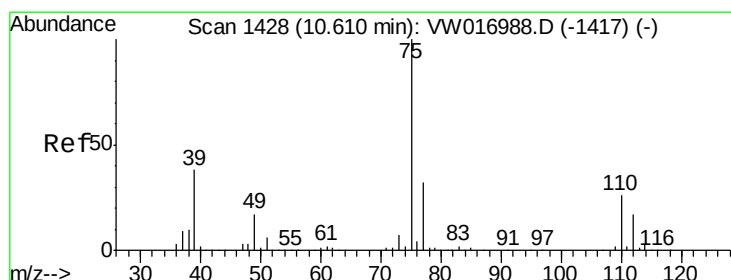
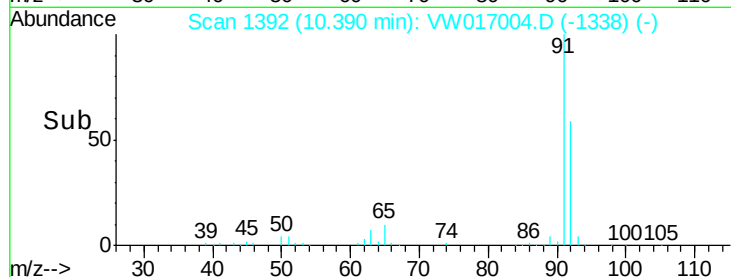
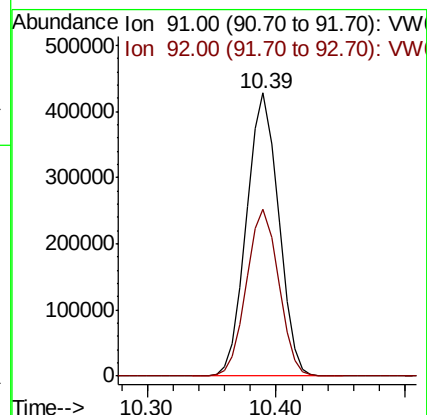
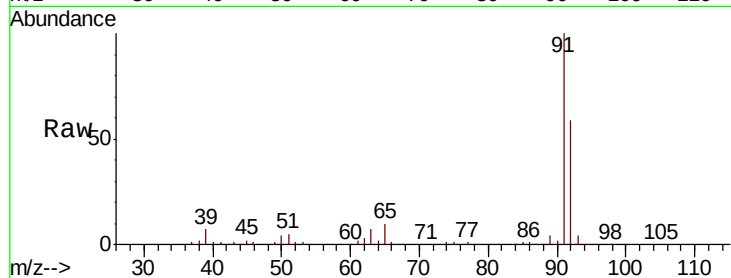
ClientSampleId :

Tot Ion: 91 Resp: 737433

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 29.620 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017004.D

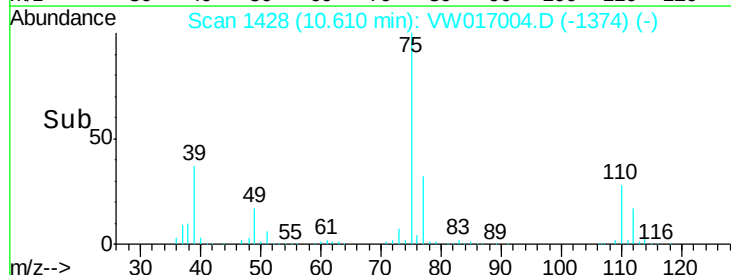
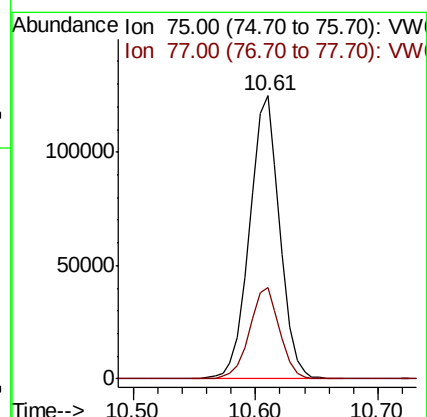
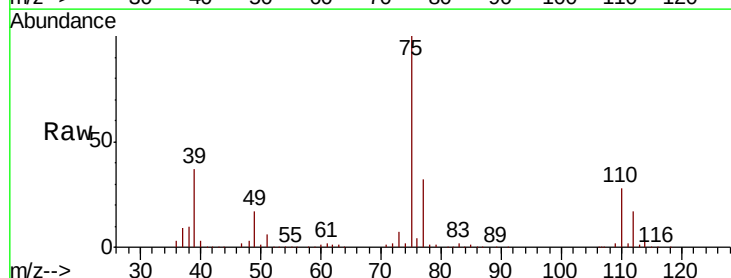
Acq: 28 Oct 2020 09:52

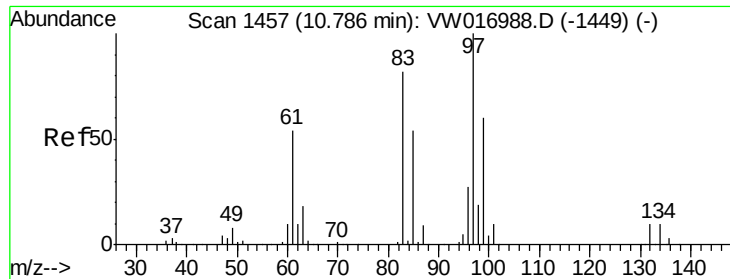
Tgt Ion: 75 Resp: 213685

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.3

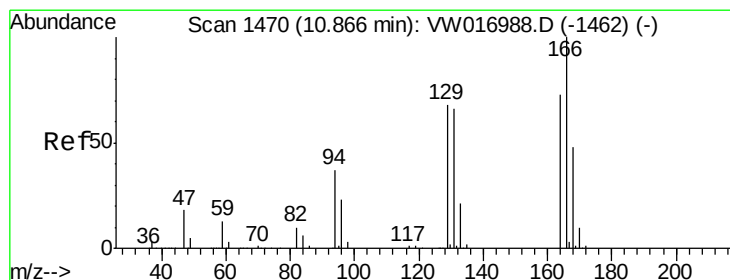
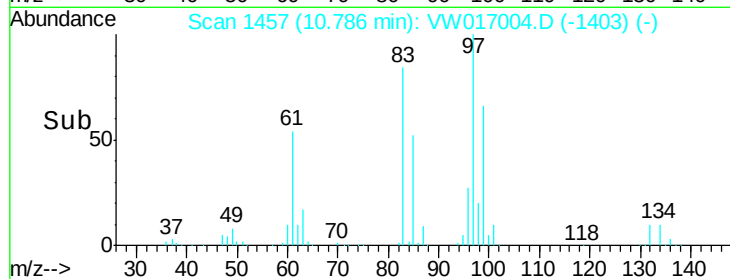
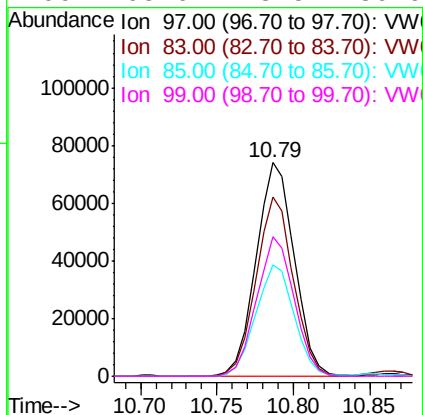
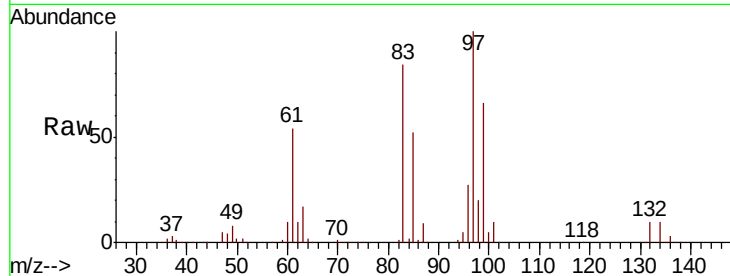




#46
1,1,2-Trichloroethane
Concen: 28.767 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

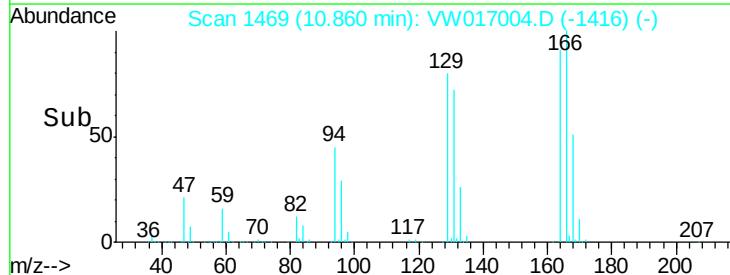
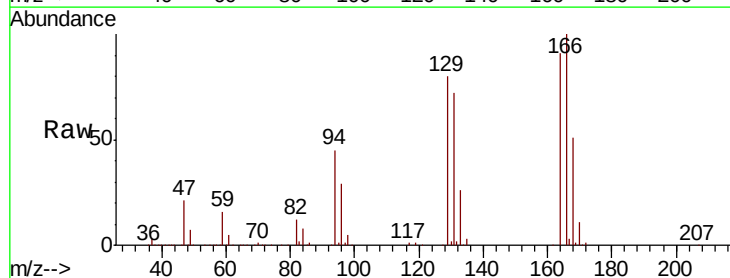
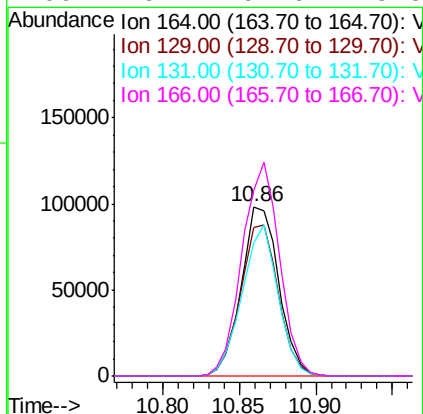
Instrument :
MSVOA_W
ClientSampled :

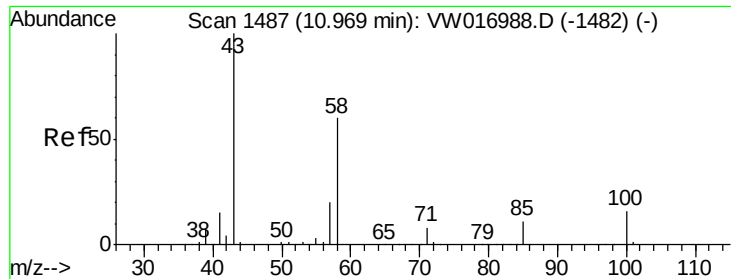
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	56.6	105.0
85	51.9	34.6	64.3
99	65.6	43.5	80.9



#47
Tetrachloroethene
Concen: 26.401 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
164	100		
129	87.9	64.0	119.0
131	78.9	61.7	114.5
166	110.1	94.6	175.8

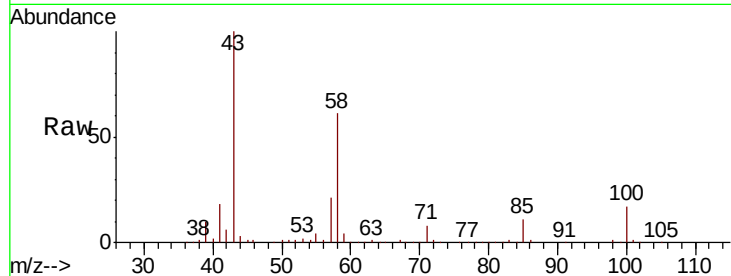




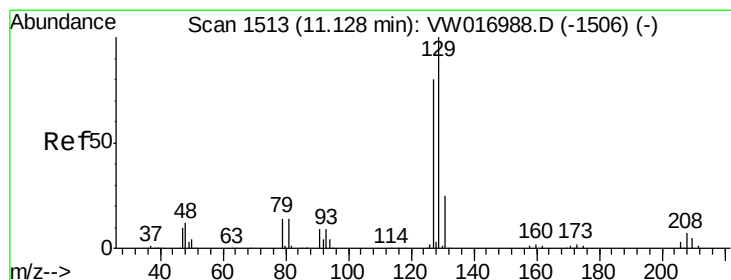
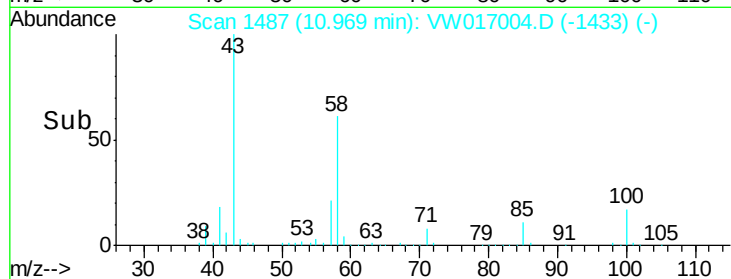
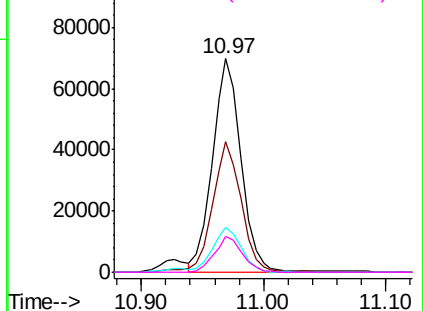
#49
2-Hexanone
Concen: 67.660 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 113833
Ion Ratio Lower Upper
43 100
58 58.9 49.2 73.8
57 20.8 17.0 25.4
100 16.1 13.2 19.8

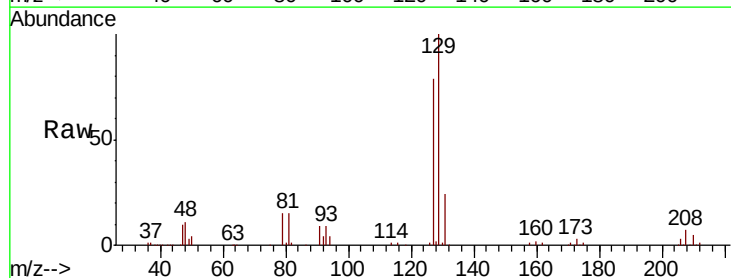


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

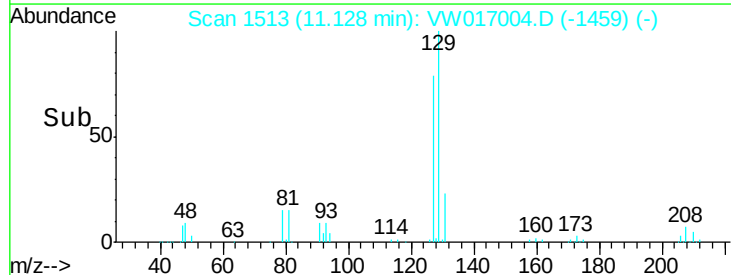
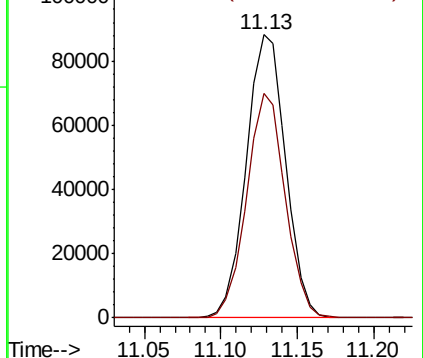


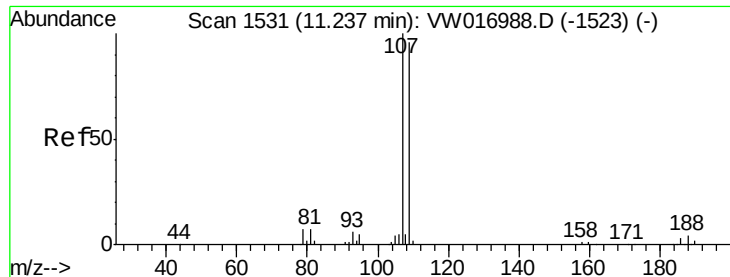
#50
Dibromochloromethane
Concen: 29.040 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Tgt Ion: 129 Resp: 157700
Ion Ratio Lower Upper
129 100
127 79.1 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

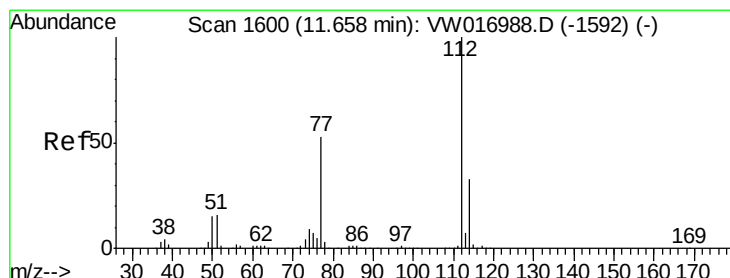
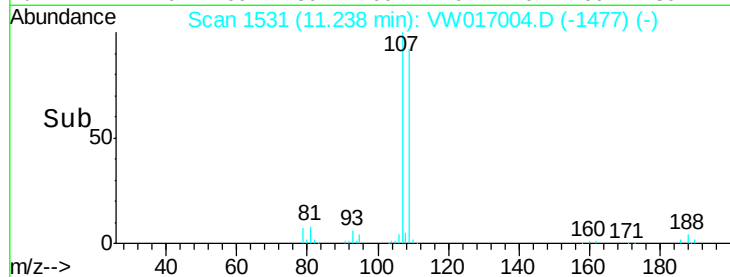
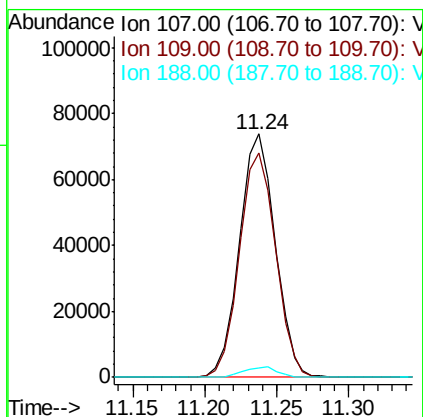
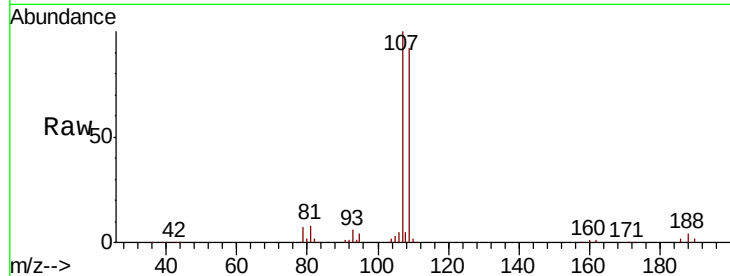




#51
 1,2-Dibromoethane
 Concen: 29.967 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

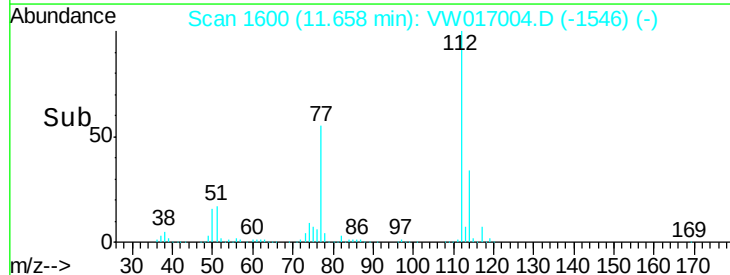
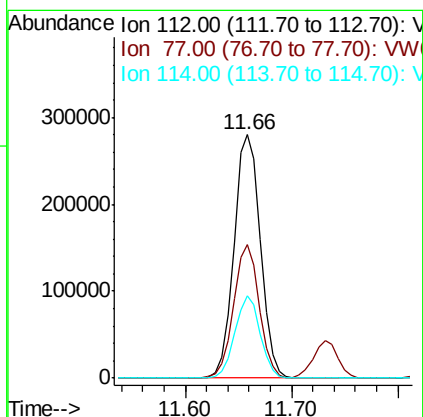
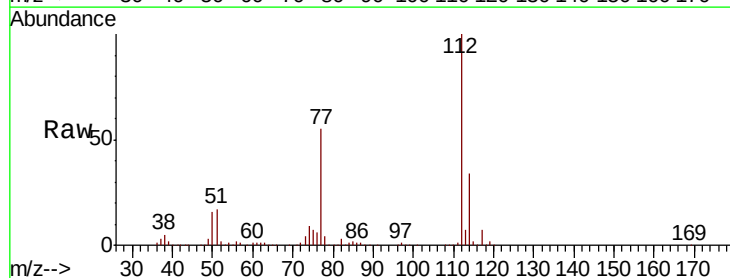
Instrument :
 MSVOA_W
 ClientSampleId :

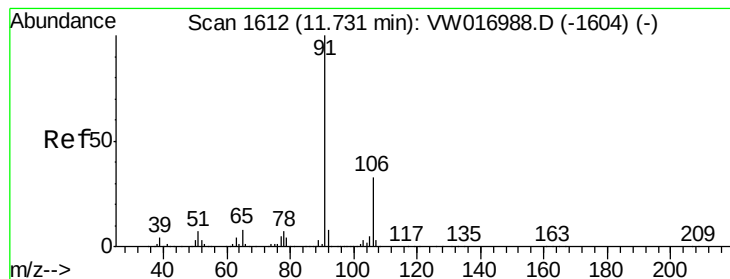
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	65.7	121.9
188	3.9	3.1	4.7



#52
 Chlorobenzene
 Concen: 26.888 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.6	42.5	63.7
114	33.6	22.3	41.3





#53

Ethylbenzene

Concen: 27.189 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

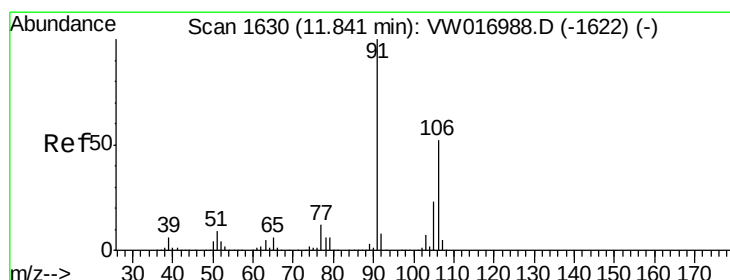
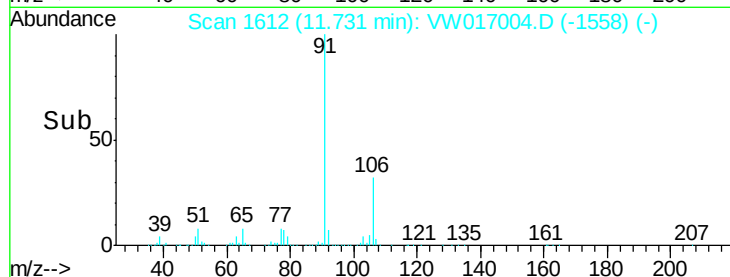
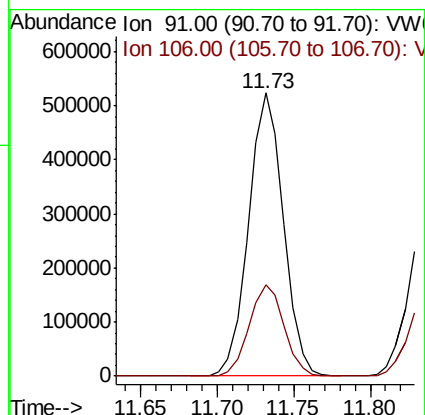
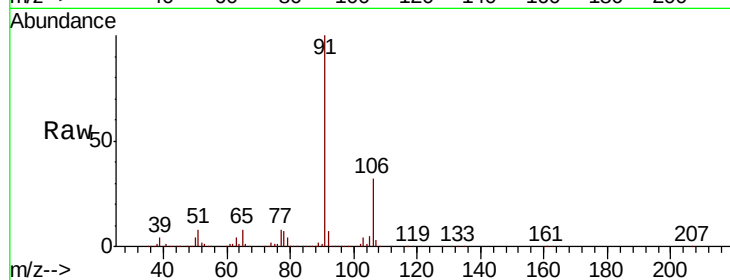
ClientSampleId :

Tot Ion: 91 Resp: 824981

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.7



#54

m,p-Xylene

Concen: 27.554 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017004.D

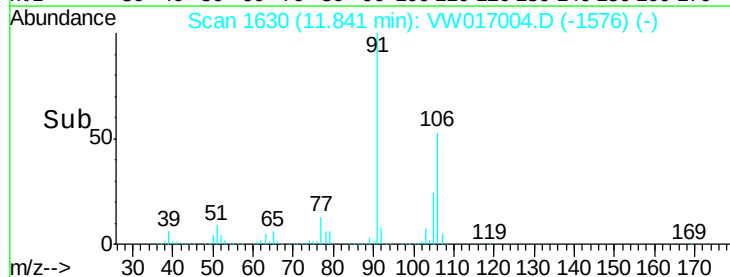
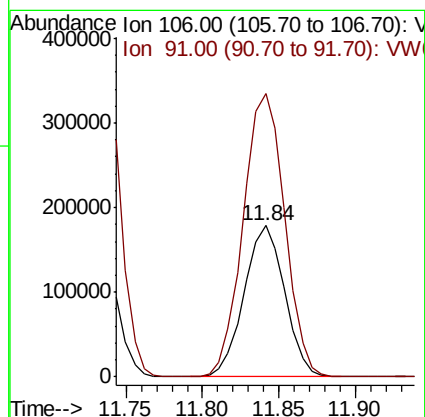
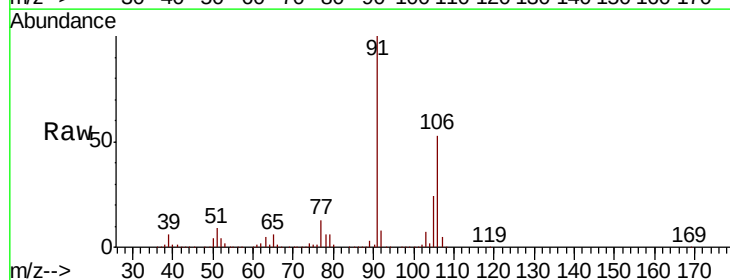
Acq: 28 Oct 2020 09:52

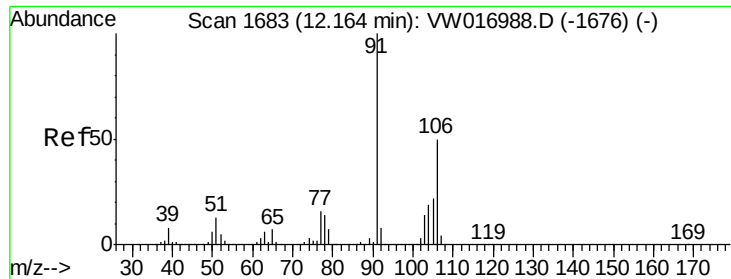
Tgt Ion: 106 Resp: 328923

Ion Ratio Lower Upper

106 100

91 187.5 134.2 249.2

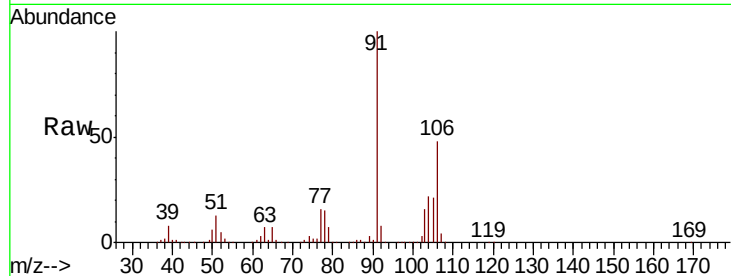




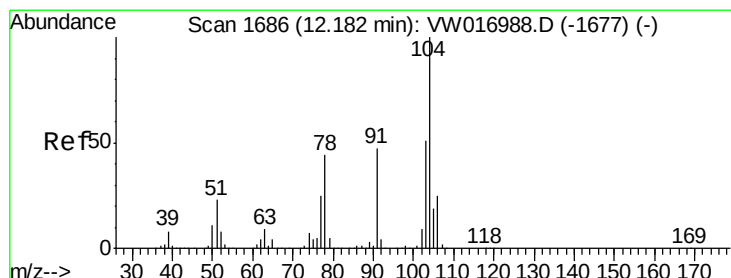
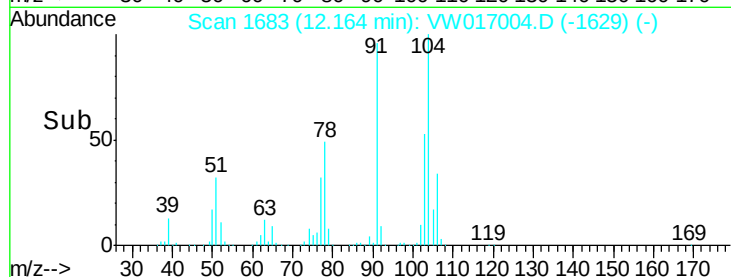
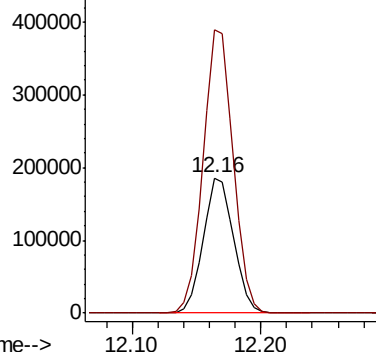
#55
o-xylene
Concen: 27.458 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 303625
Ion Ratio Lower Upper
106 100
91 209.5 150.9 280.3

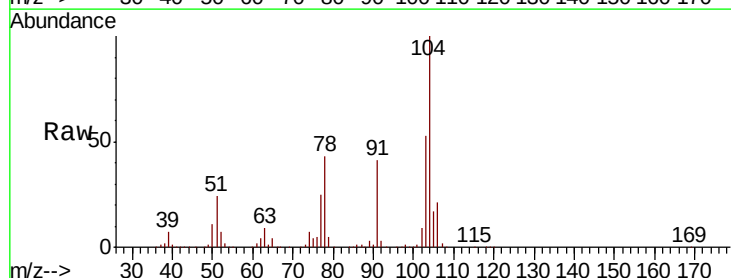


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

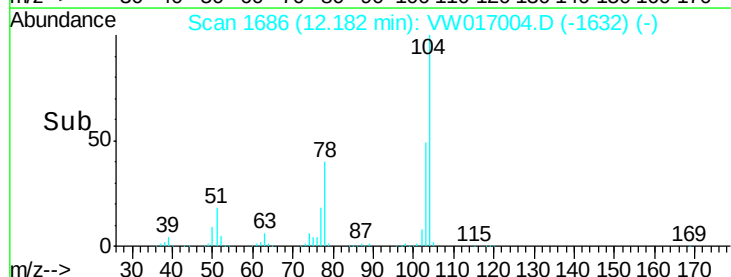
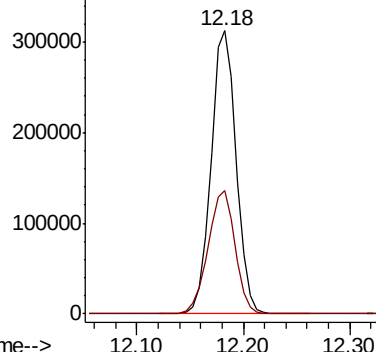


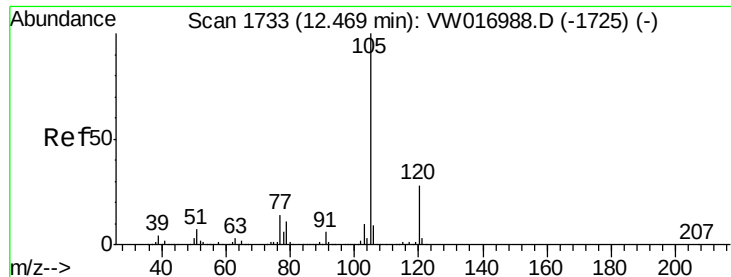
#56
Styrene
Concen: 27.879 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017004.D
Acq: 28 Oct 2020 09:52

Tgt Ion:104 Resp: 515744
Ion Ratio Lower Upper
104 100
78 43.4 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.356 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

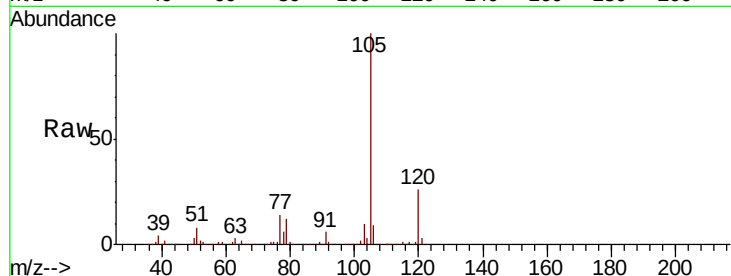
Tot Ion:105 Resp: 836735

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

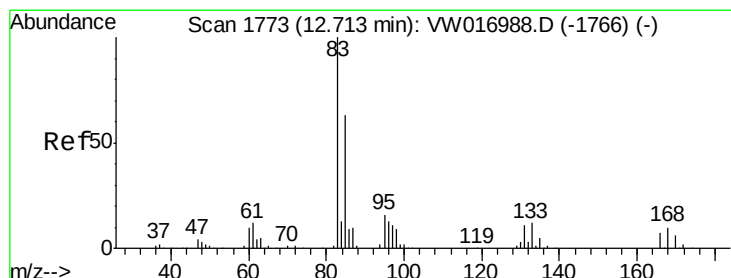
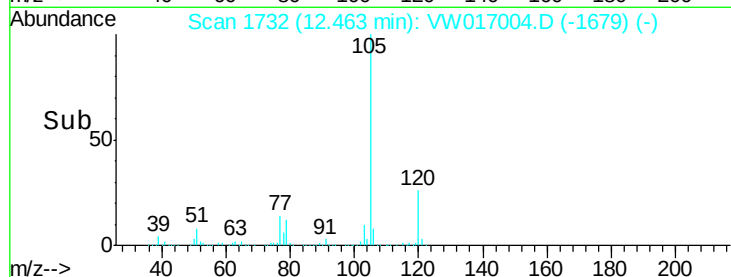
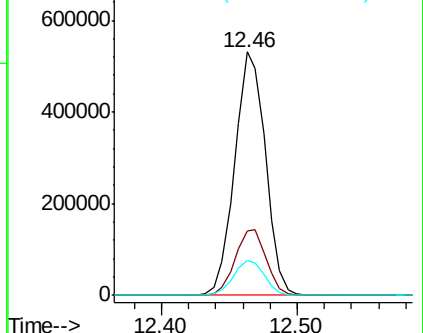
77 14.5 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 31.066 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

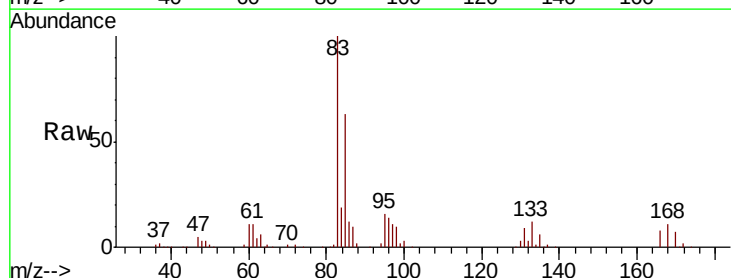
Tgt Ion: 83 Resp: 148642

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

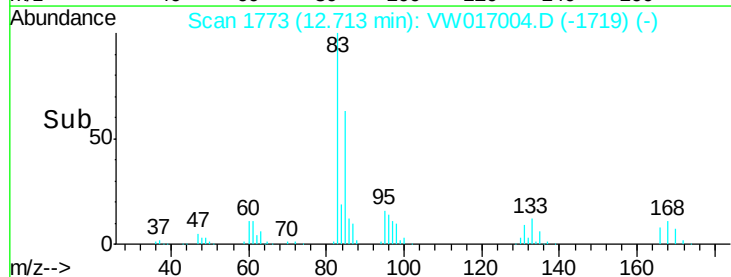
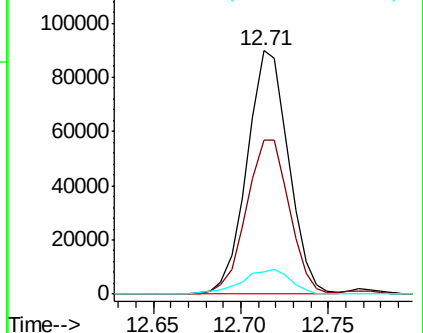
131 9.4 9.1 13.7

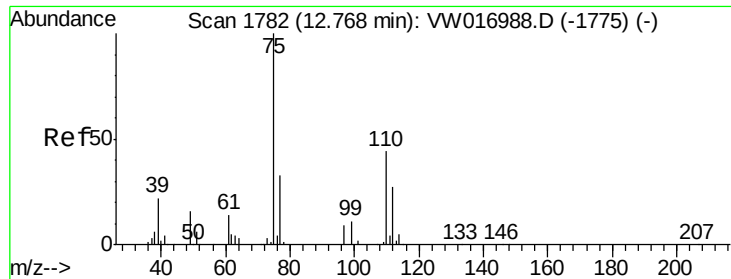


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

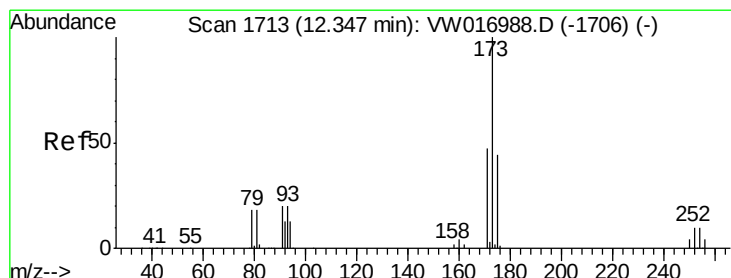
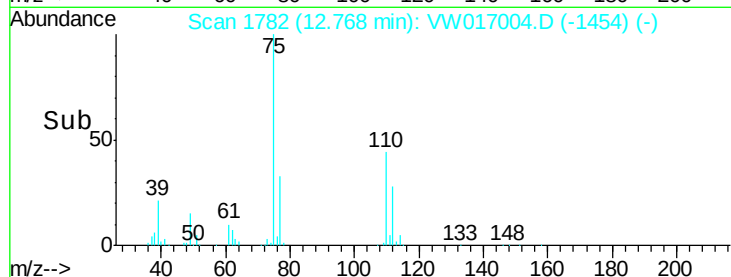
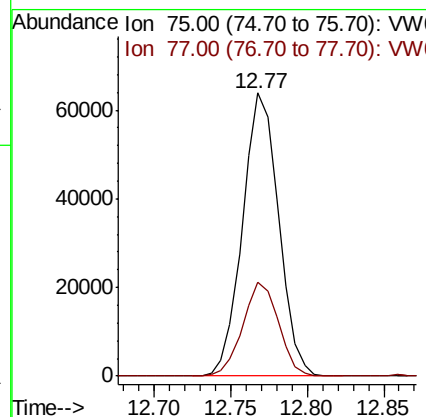
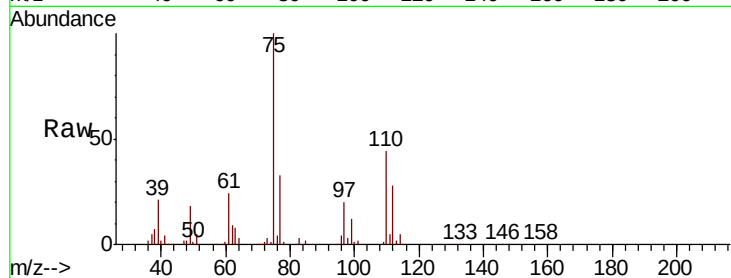




#59
 1,2,3-Trichloropropane
 Concen: 30.555 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

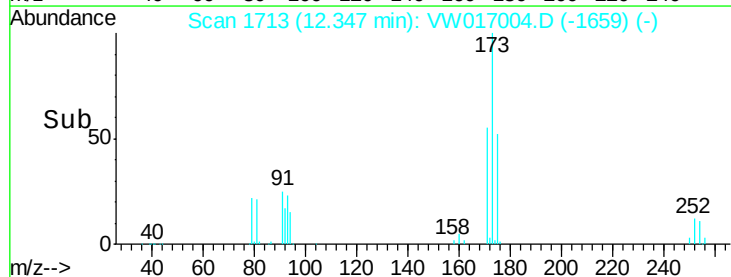
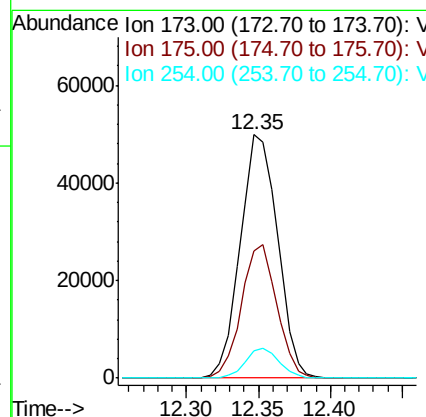
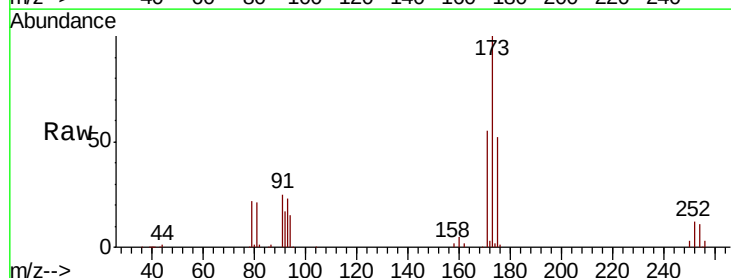
Instrument :
 MSVOA_W
 ClientSampled :

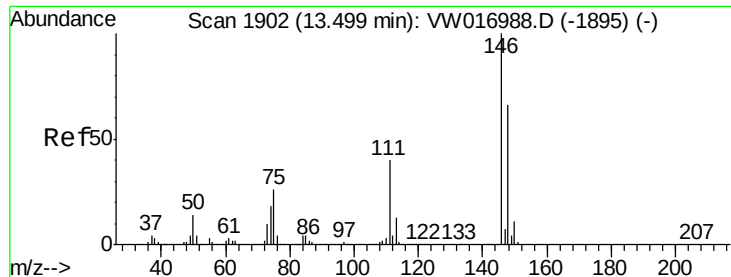
Tot Ion: 75 Resp: 104621
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



#62
 Bromoform
 Concen: 27.327 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion: 173 Resp: 89917
 Ion Ratio Lower Upper
 173 100
 175 51.8 38.3 57.5
 254 11.2 7.8 11.6

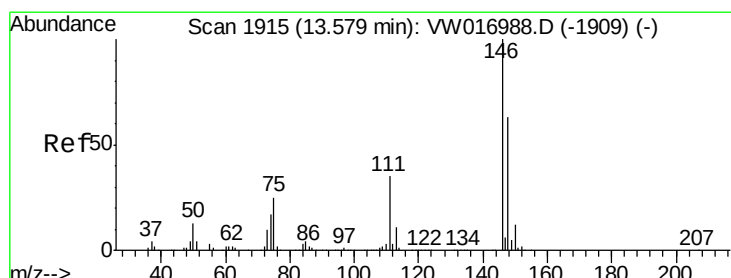
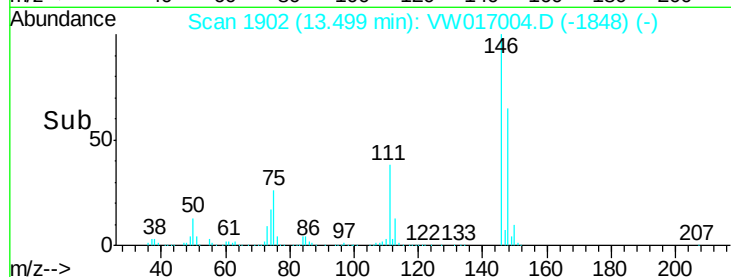
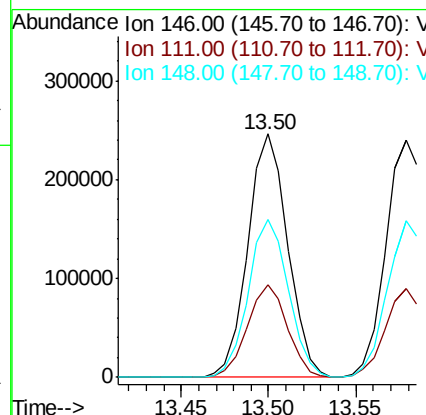
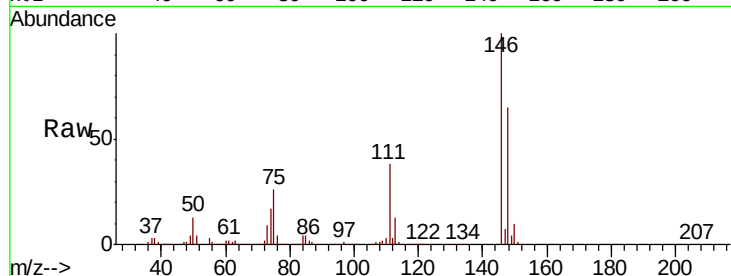




#63
 1,3-Dichlorobenzene
 Concen: 25.761 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

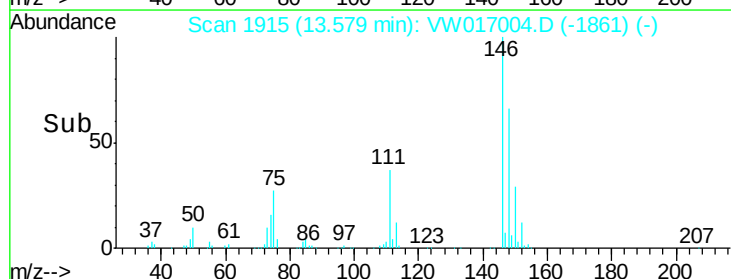
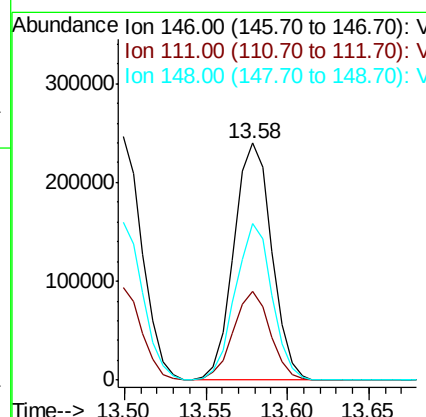
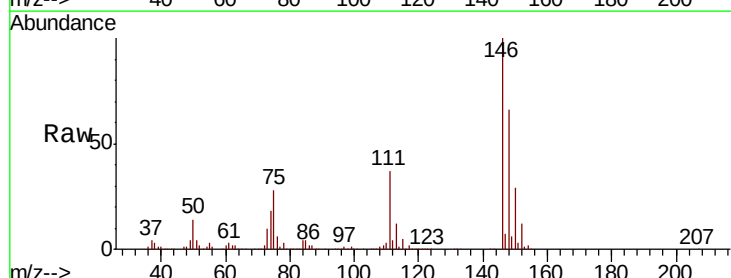
Instrument :
 MSVOA_W
 ClientSampleId :

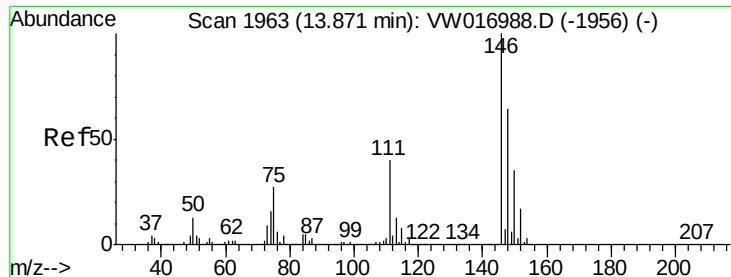
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	25.5	47.3
148	65.1	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 25.753 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	25.7	47.7
148	66.1	44.3	82.3

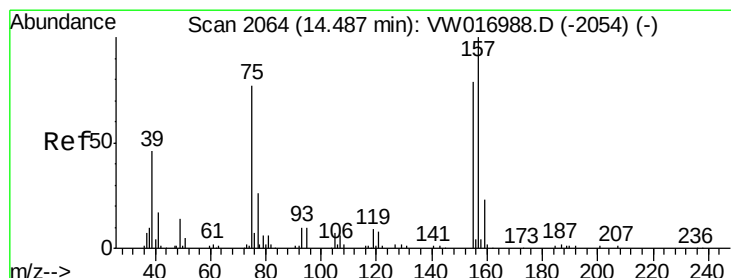
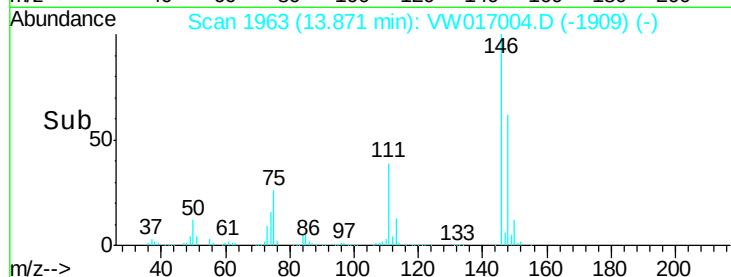
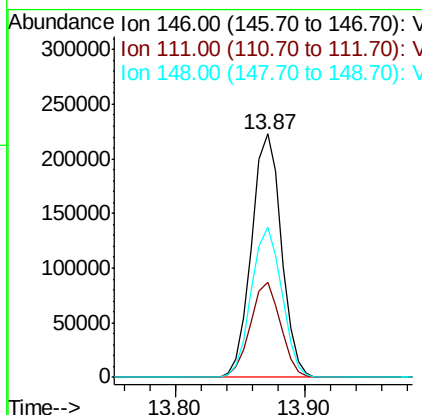
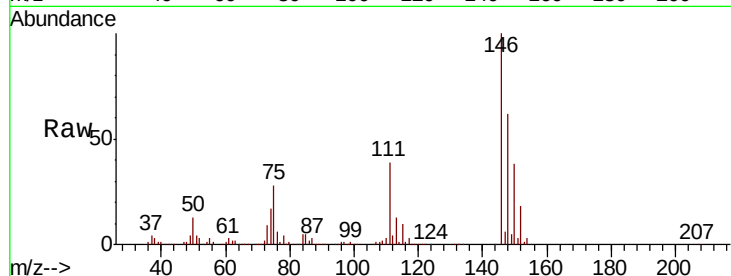




#65
 1,2-Dichlorobenzene
 Concen: 26.636 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

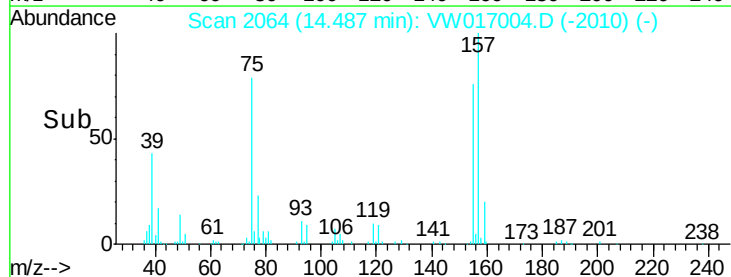
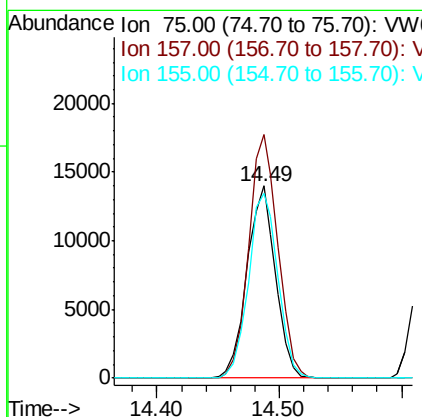
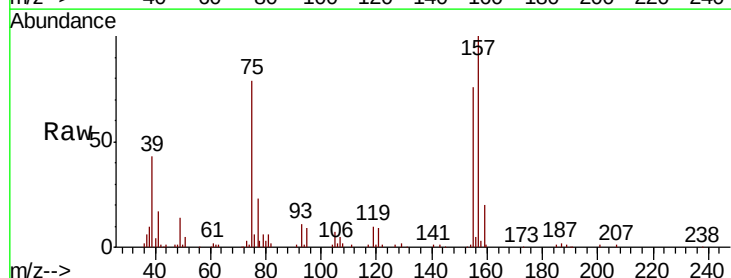
Instrument :
 MSVOA_W
 ClientSampled :

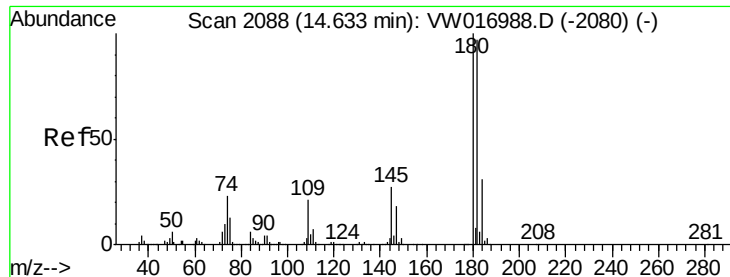
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.4	47.0
148	61.8	47.7	71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.182 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
75	100		
157	126.9	102.5	153.7
155	96.0	80.3	120.5

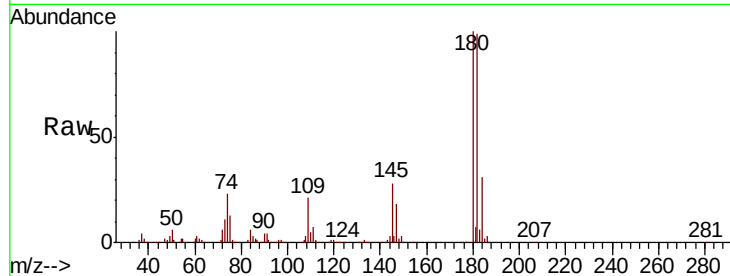




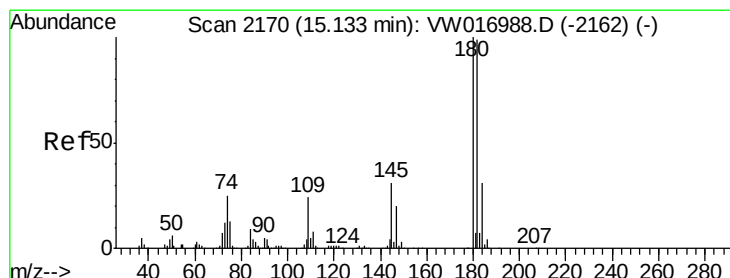
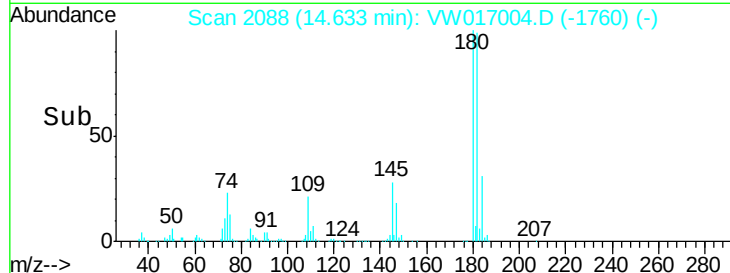
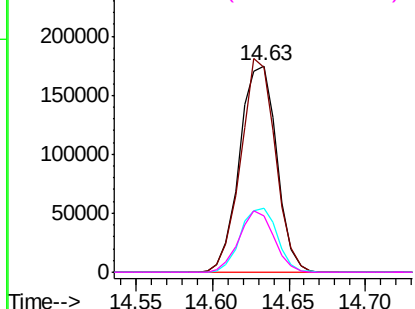
#67
 1,3,5-Trichlorobenzene
 Concen: 26.661 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	294826
Ion Ratio	Lower	Upper
180	100	
182	96.2	77.4 116.0
184	30.8	24.8 37.2
145	27.9	23.4 35.2

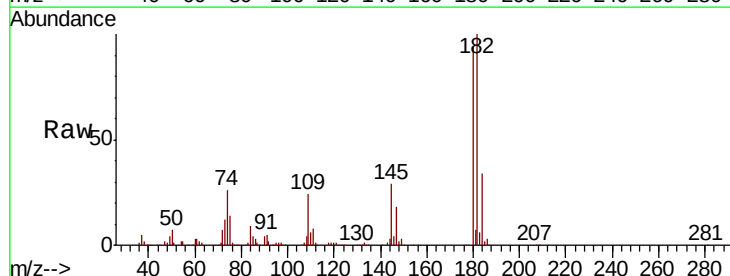


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

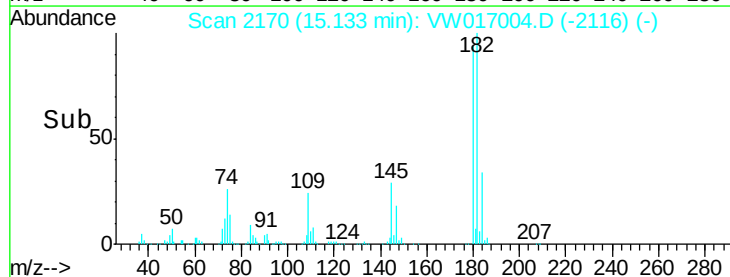
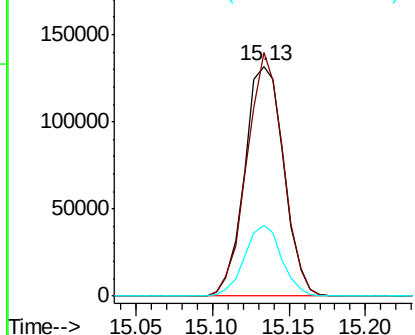


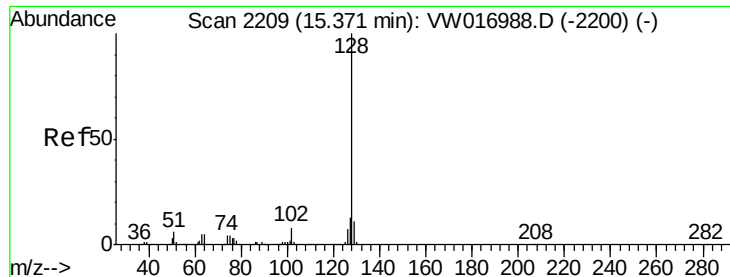
#68
 1,2,4-trichlorobenzene
 Concen: 27.428 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017004.D
 Acq: 28 Oct 2020 09:52

Tgt Ion:180	Resp:	235104
Ion Ratio	Lower	Upper
180	100	
182	98.2	76.6 114.8
145	29.2	23.4 35.0



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: 31.062 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_W

ClientSampleId :

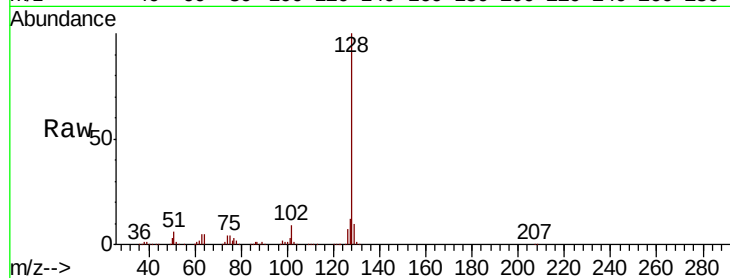
Tot Ion:128 Resp: 431871

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

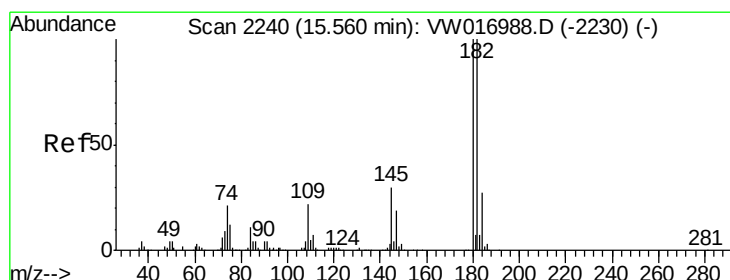
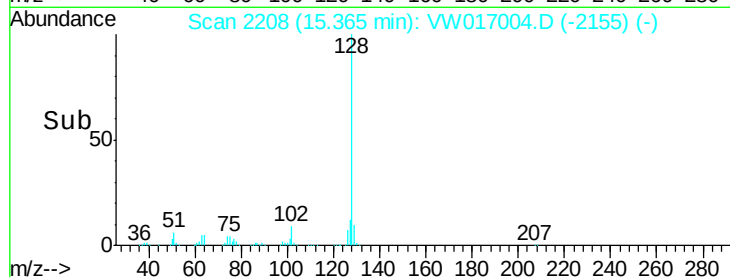
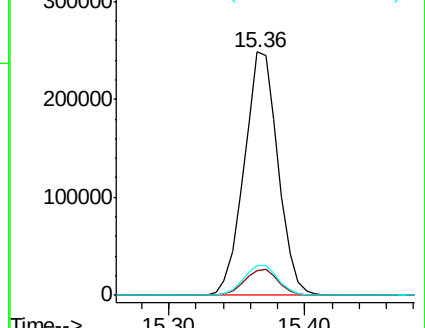
127 12.6 10.0 15.0



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: 28.884 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017004.D

Acq: 28 Oct 2020 09:52

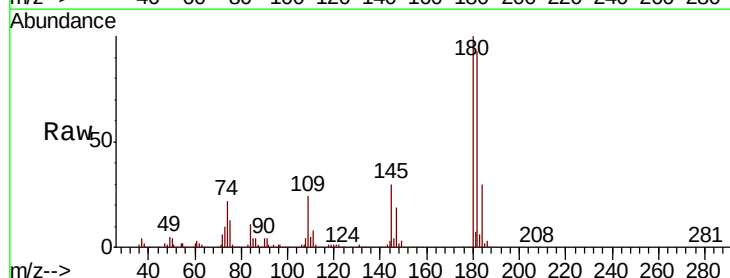
Tgt Ion:180 Resp: 215750

Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 30.5 25.4 38.2



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

