

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017542.D
 Acq On : 03 Dec 2020 19:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 00:35:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402736	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	369639	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	200405	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118832	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	2.89	69	99722	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.24%
10) 1,1-Dichloroethene-d2	4.03	63	258122	21.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.52%
20) 2-Butanone-d5	7.08	46	62882	56.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.56%
24) Chloroform-d	7.65	84	284489	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	143561	25.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.28%
29) Benzene-d6	8.27	84	533185	23.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.84%
33) 1,2-Dichloropropane-d6	9.27	67	155205	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.72%
37) Toluene-d8	10.32	98	492572	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	10.58	79	67686	24.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.32%
39) 2-Hexanone-d5	10.93	63	44360	56.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123487	27.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	172296	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	77427	20.232	ug/L 94
3) Chloromethane	2.21	50	77652	19.709	ug/L 99
5) Vinyl chloride	2.37	62	117306	24.008	ug/L 98
6) Bromomethane	2.78	94	80699	22.936	ug/L 99
8) Chloroethane	2.93	64	74856	22.802	ug/L 98
9) Trichlorofluoromethane	3.26	101	96801	17.301	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	128716	22.476	ug/L # 67
12) 1,1-Dichloroethene	4.05	96	122277	21.896	ug/L 87
13) Acetone	4.13	43	41690	38.779	ug/L 95
14) Carbon disulfide	4.39	76	340645	21.327	ug/L 99
15) Methyl Acetate	4.67	43	48087	25.697	ug/L 96
16) Methylene chloride	4.93	84	137414	22.726	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	142691	23.757	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	132121	23.016	ug/L 97
19) 1,1-Dichloroethane	6.22	63	231652	23.901	ug/L 99
21) 2-Butanone	7.17	43	60177	46.775	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	140788	23.506	ug/L 98

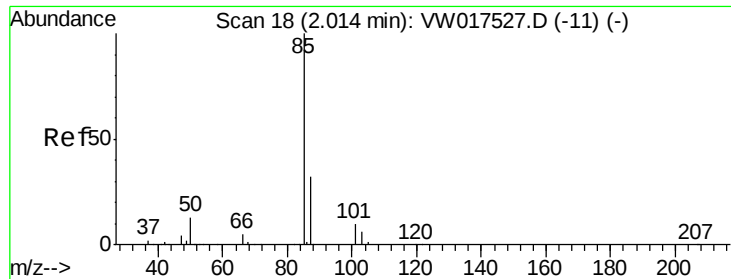
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120320\
 Data File : VW017542.D
 Acq On : 03 Dec 2020 19:30
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 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	63384	23.297	ug/L	99
25) Chloroform	7.68	83	249889	24.422	ug/L	99
27) 1,2-Dichloroethane	8.40	62	154247	25.031	ug/L	99
30) Cyclohexane	7.96	56	195922	22.221	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	208443	23.826	ug/L	99
32) Carbon tetrachloride	8.07	117	203180	23.918	ug/L	100
34) Benzene	8.32	78	529694	23.842	ug/L	100
35) Trichloroethene	9.09	95	141388	22.956	ug/L	98
36) Methylcyclohexane	9.34	83	223103	21.905	ug/L	99
40) 1,2-Dichloropropane	9.37	63	129204	24.760	ug/L	99
41) Bromodichloromethane	9.65	83	178830	24.803	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	201354	24.912	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	132282	55.062	ug/L	98
44) Toluene	10.39	91	577545	24.158	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	176684	25.509	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96934	24.791	ug/L	99
47) Tetrachloroethene	10.87	164	130210	24.813	ug/L	94
49) 2-Hexanone	10.97	43	92171	54.326	ug/L #	86
50) Dibromochloromethane	11.13	129	120249	24.620	ug/L	95
51) 1,2-Dibromoethane	11.24	107	92523	24.691	ug/L #	100
52) Chlorobenzene	11.66	112	372901	23.820	ug/L	98
53) Ethylbenzene	11.73	91	650996	24.016	ug/L	100
54) m,p-Xylene	11.84	106	245282	23.717	ug/L	96
55) o-xylene	12.16	106	230460	23.926	ug/L	98
56) Styrene	12.18	104	408542	25.212	ug/L	100
57) Isopropylbenzene	12.46	105	643503	24.322	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	111830	26.573	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	80152	25.804	ug/L	98
62) Bromoform	12.35	173	68768	24.206	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	288576	22.332	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	297204	23.216	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	260527	23.148	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.48	75	17175	23.701	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	205078	22.153	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	175204	23.412	ug/L	99
69) Naphthalene	15.37	128	289032	25.013	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	151407	24.255	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.232 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

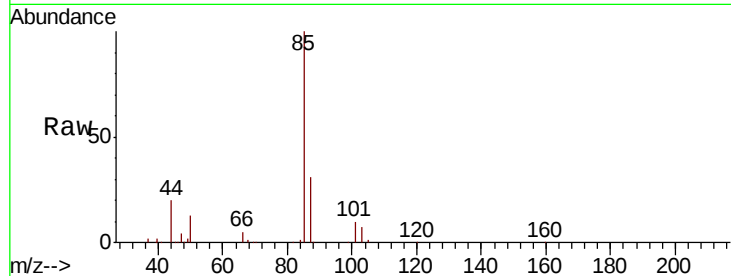
ClientSampled :

Tot Ion: 85 Resp: 77427

Ion Ratio Lower Upper

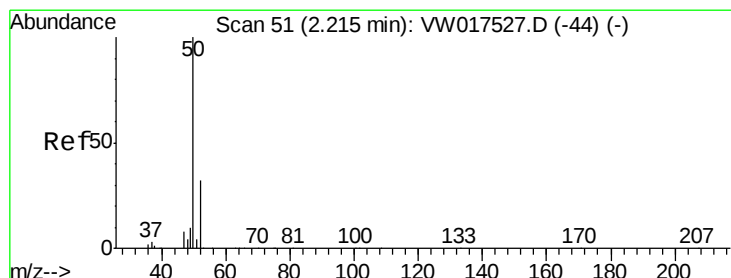
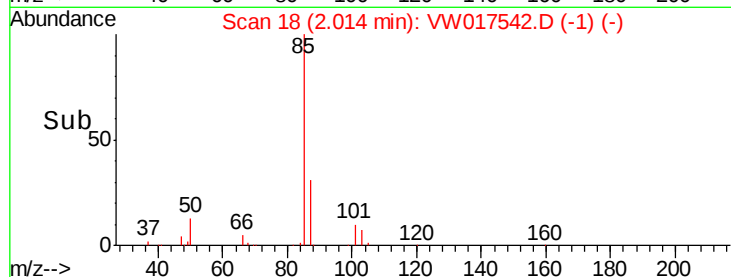
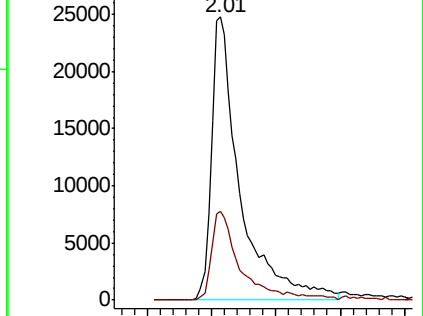
85 100

87 29.5 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.709 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017542.D

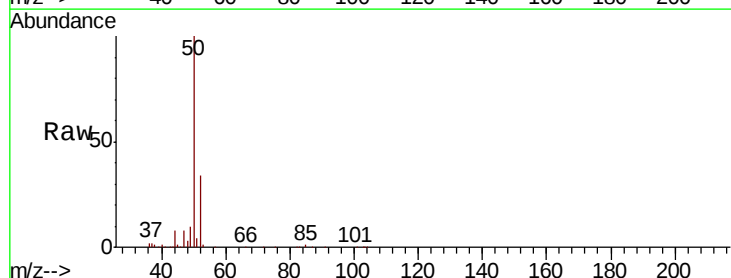
Acq: 03 Dec 2020 19:30

Tgt Ion: 50 Resp: 77652

Ion Ratio Lower Upper

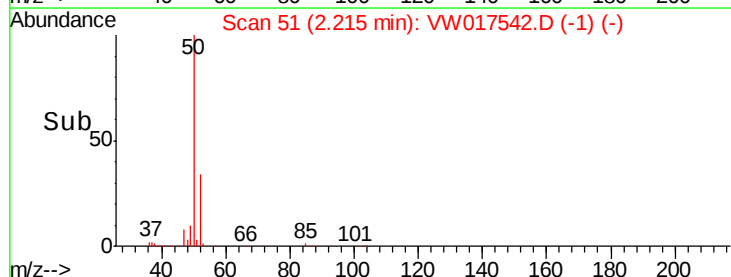
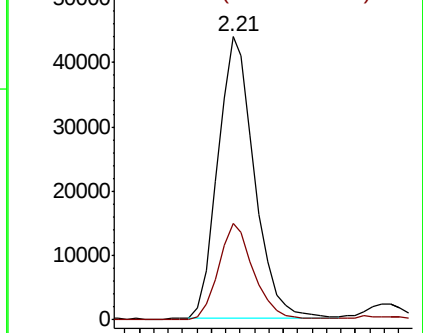
50 100

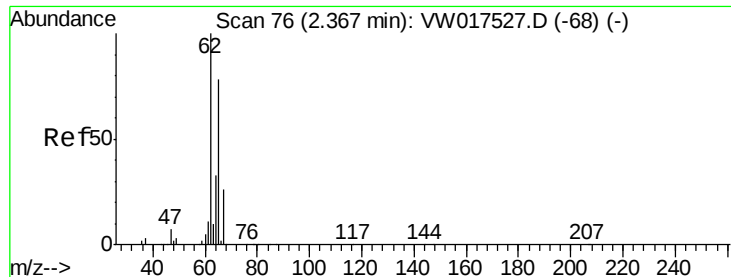
52 34.3 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.008 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

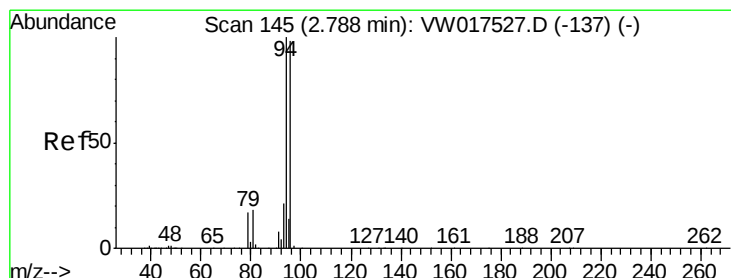
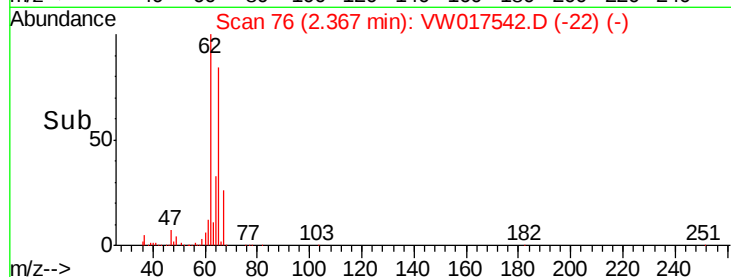
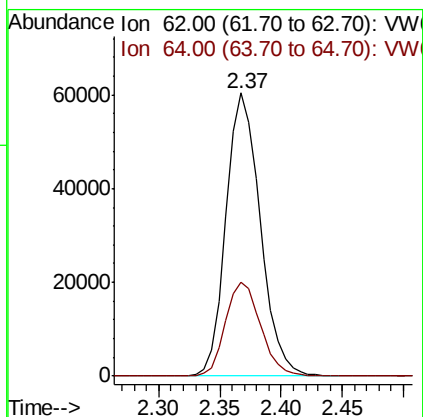
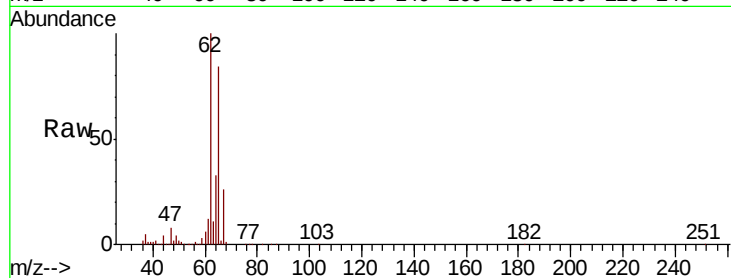
ClientSampleId :

Tot Ion: 62 Resp: 117306

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.5



#6

Bromomethane

Concen: 22.936 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017542.D

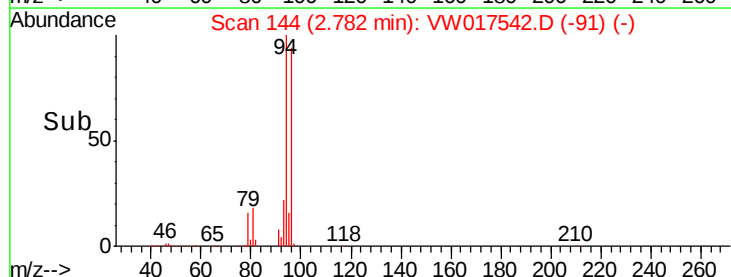
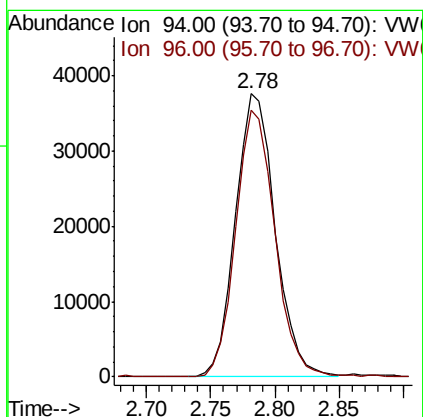
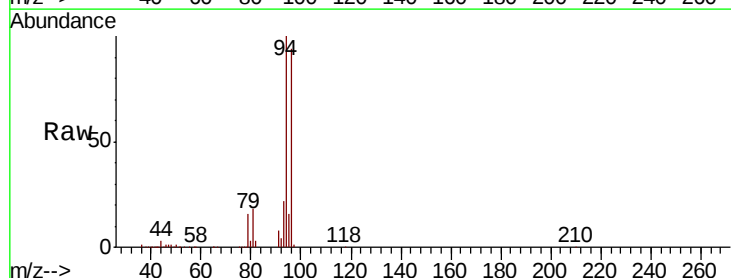
Acq: 03 Dec 2020 19:30

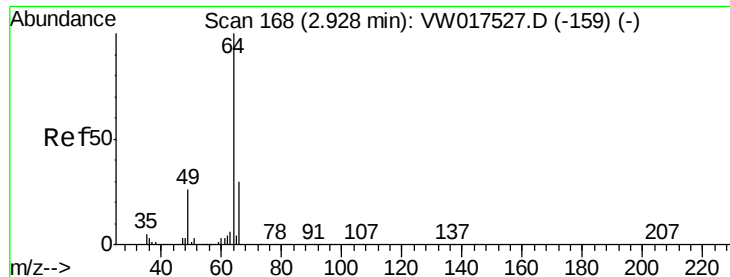
Tgt Ion: 94 Resp: 80699

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.0

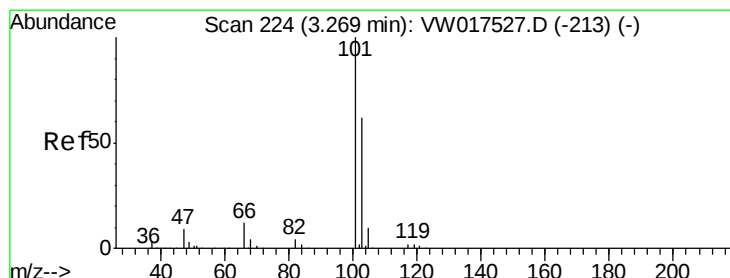
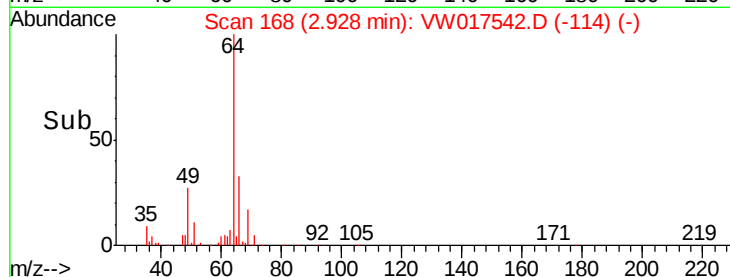
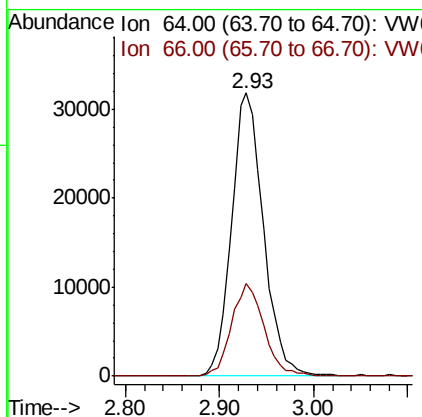
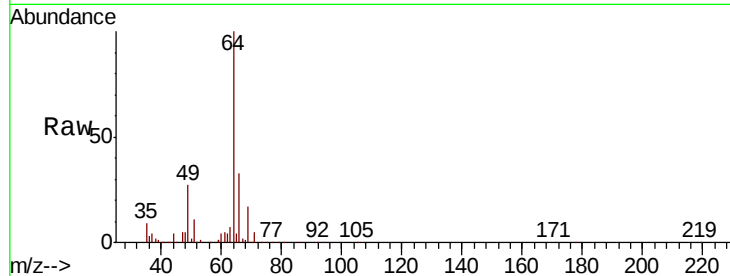




#8
Chloroethane
Concen: 22.802 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

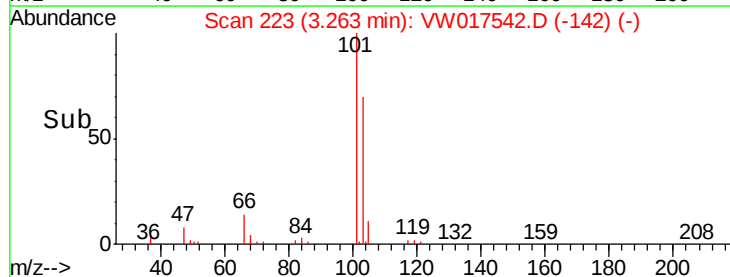
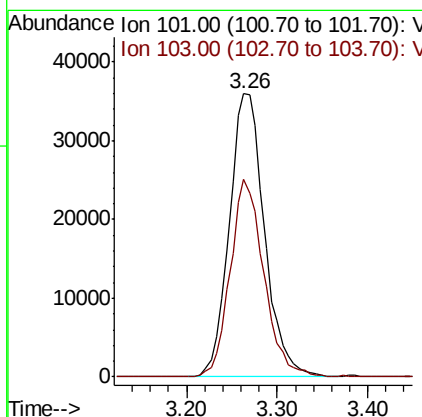
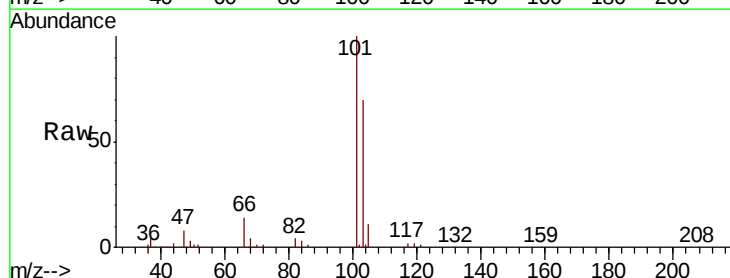
Instrument :
MSVOA_W
ClientSampleId :

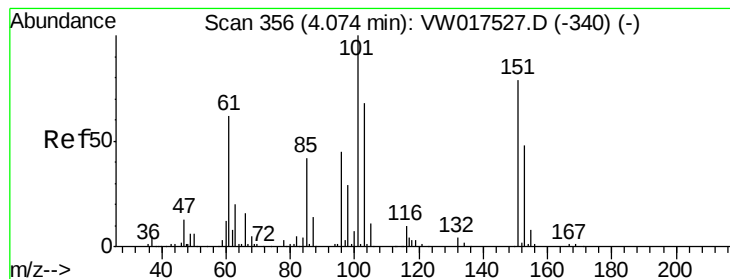
Tot Ion: 64 Resp: 74856
Ion Ratio Lower Upper
64 100
66 32.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 17.301 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 101 Resp: 96801
Ion Ratio Lower Upper
101 100
103 66.6 45.0 83.6





#11

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

Concen: 22.476 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampled :

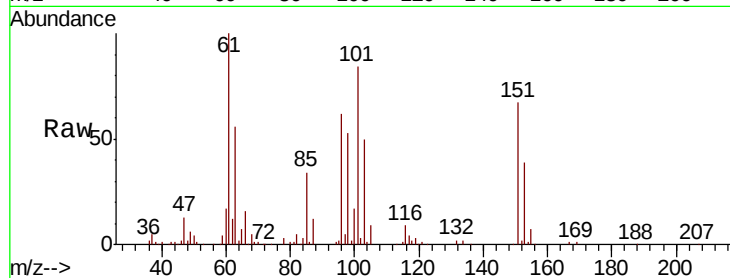
Tot Ion:101 Resp: 128716

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

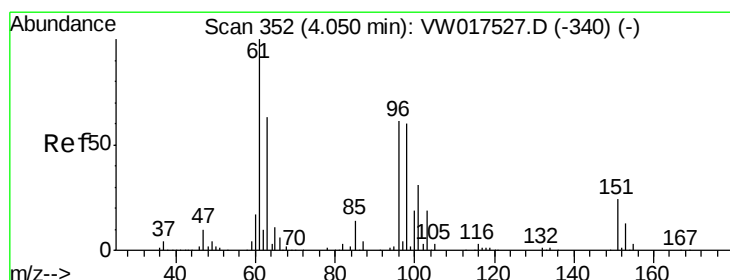
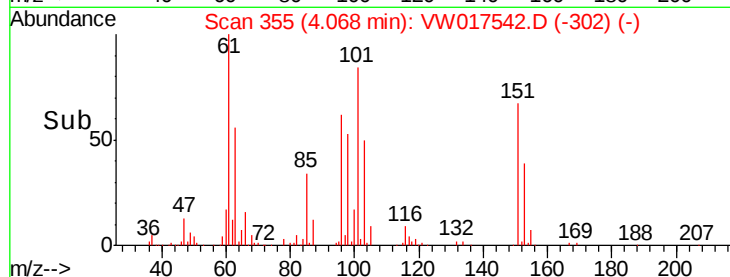
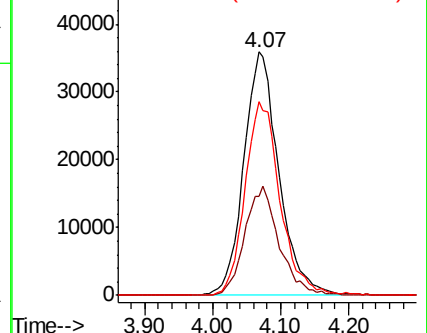
151 79.4 30.4 45.6#



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: 21.896 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

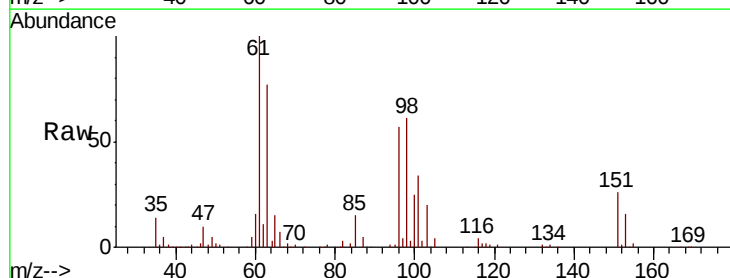
Tgt Ion: 96 Resp: 122277

Ion Ratio Lower Upper

96 100

61 175.6 112.5 208.9

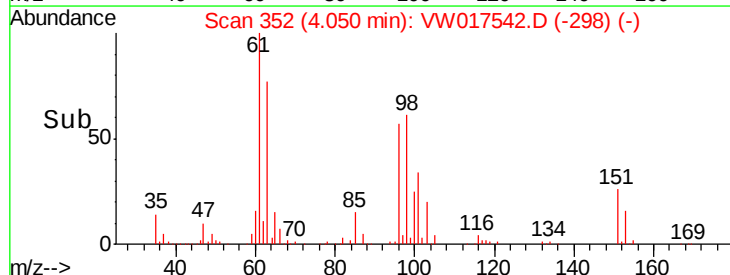
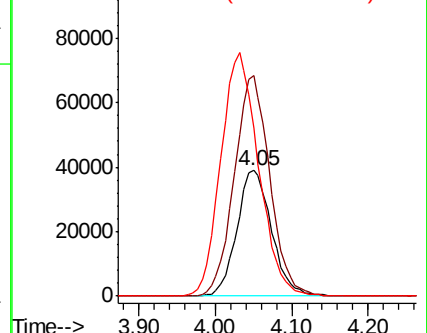
63 134.5 83.1 154.3

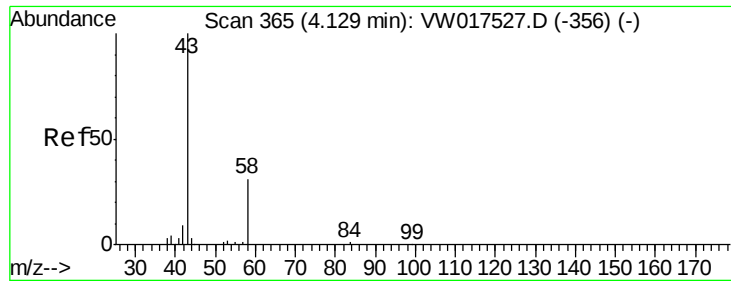


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.779 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

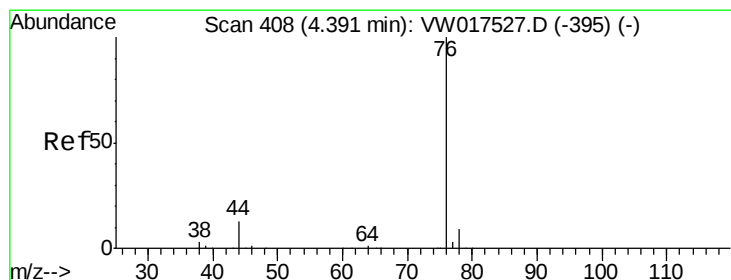
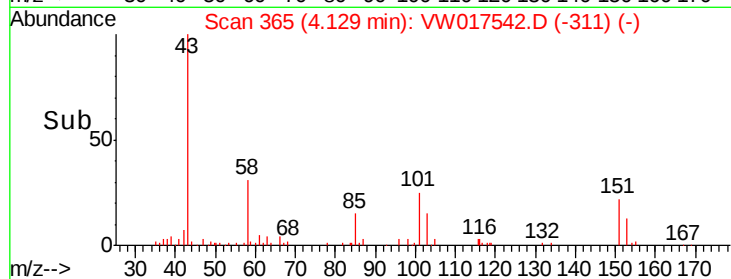
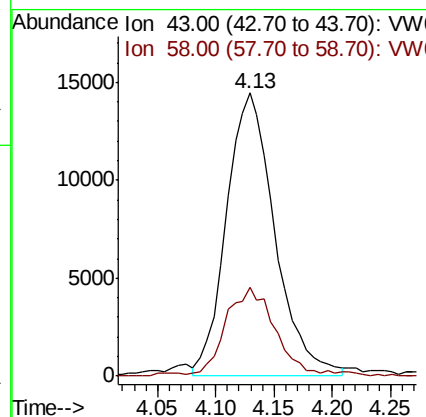
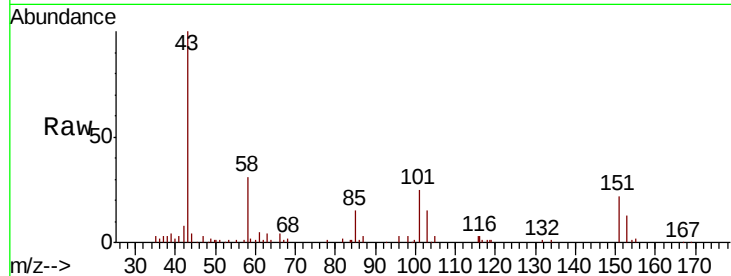
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 41690

Ion Ratio Lower Upper

43 100

58 31.3 0.0 68.4



#14

Carbon disulfide

Concen: 21.327 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017542.D

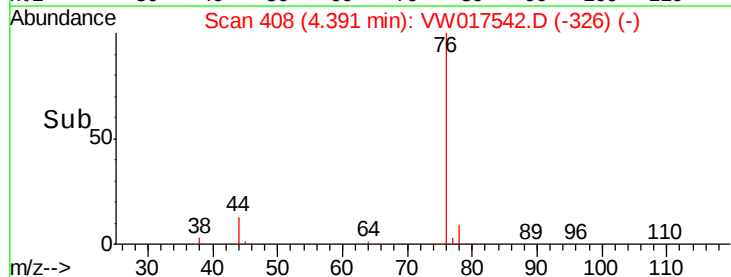
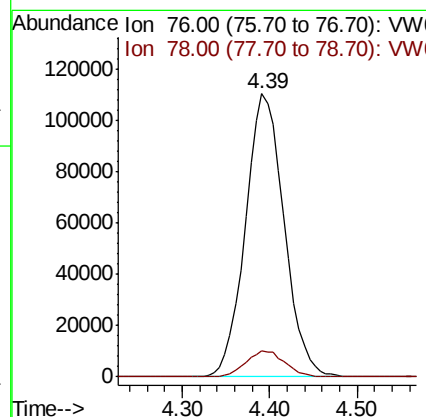
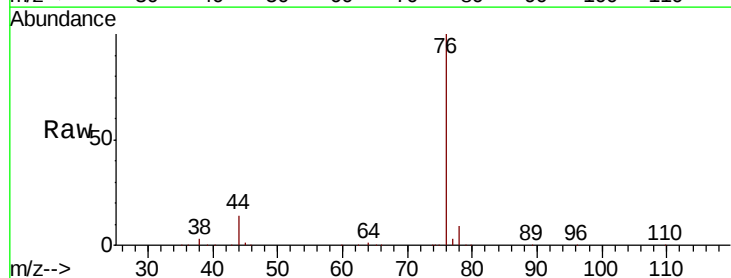
Acq: 03 Dec 2020 19:30

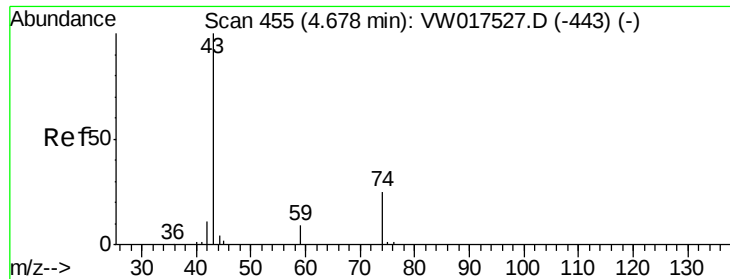
Tgt Ion: 76 Resp: 340645

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

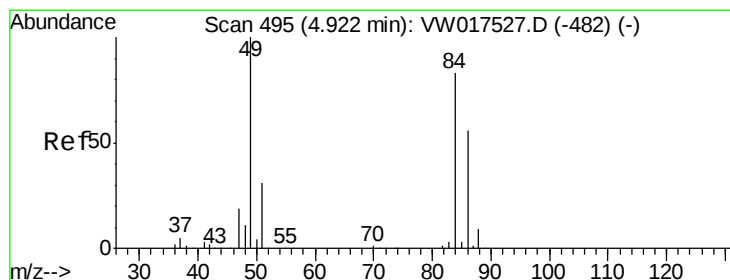
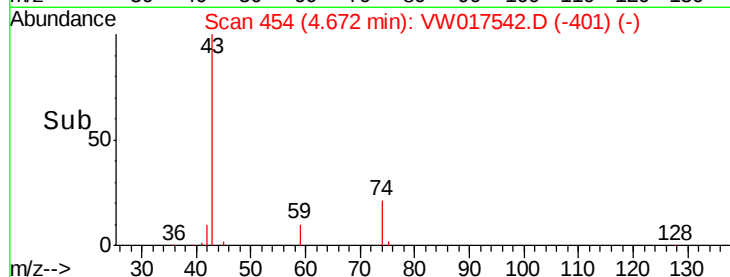
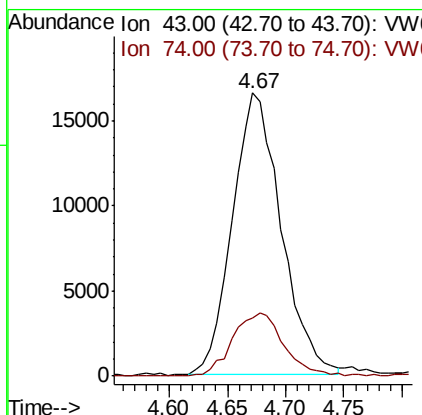
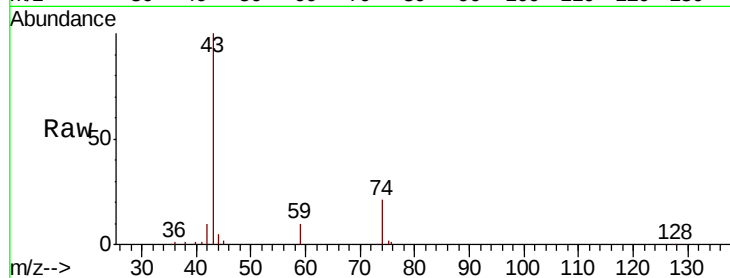




#15
Methvl Acetate
Concen: 25.697 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

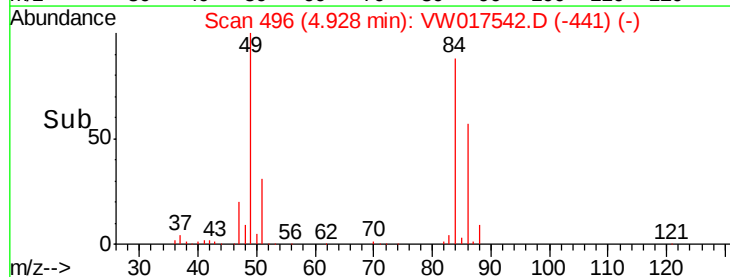
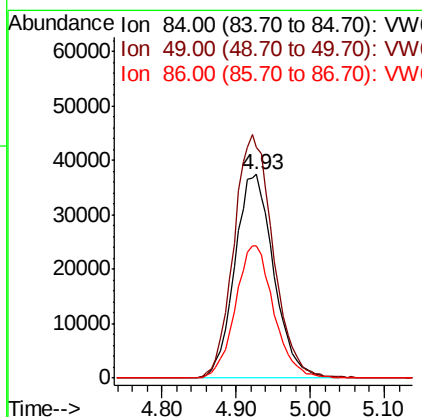
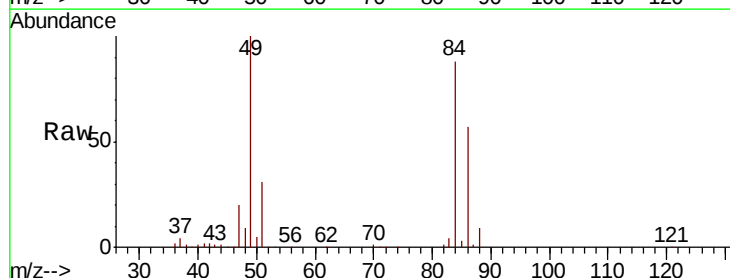
Instrument :
MSVOA_W
ClientSampled :

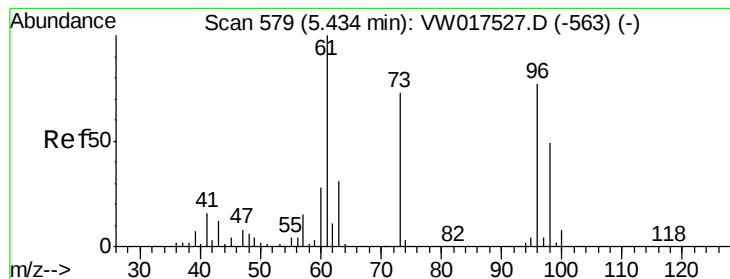
Tot Ion: 43 Resp: 48087
Ion Ratio Lower Upper
43 100
74 23.8 20.7 31.1



#16
Methylene chloride
Concen: 22.726 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 84 Resp: 137414
Ion Ratio Lower Upper
84 100
49 113.3 81.2 150.8
86 65.0 44.5 82.7



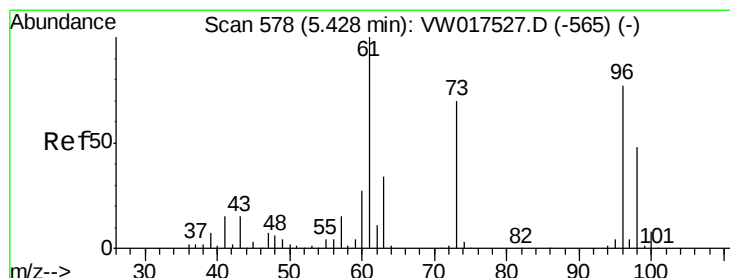
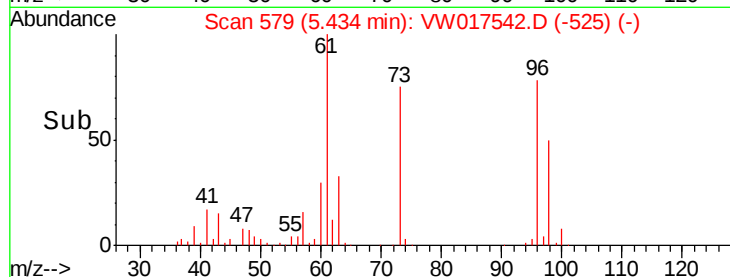
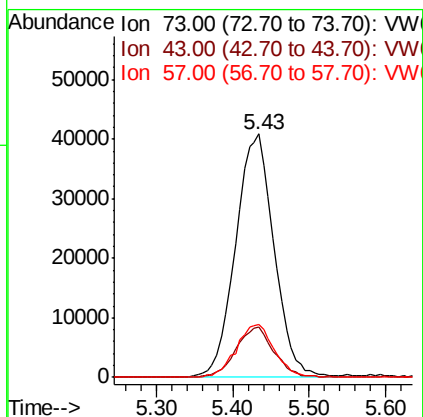
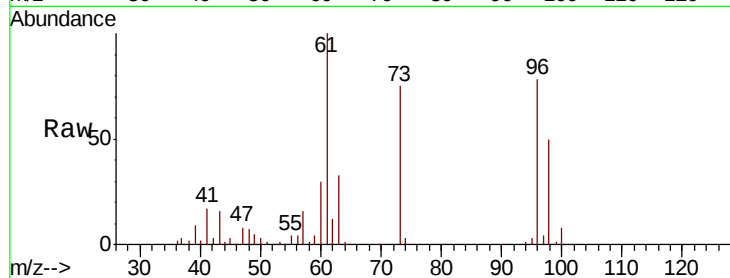


#17

Methvl tert-butvl Ether
 Concen: 23.757 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Instrument :
 MSVOA_W
 ClientSampled :

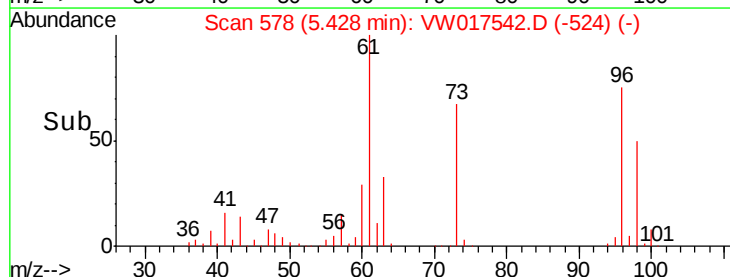
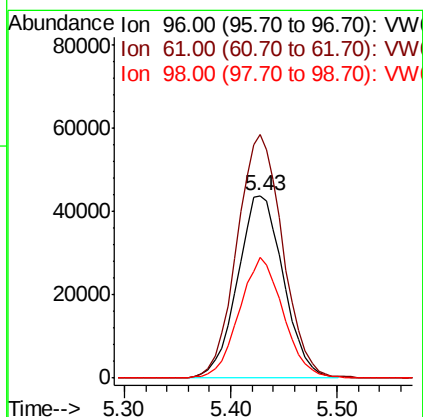
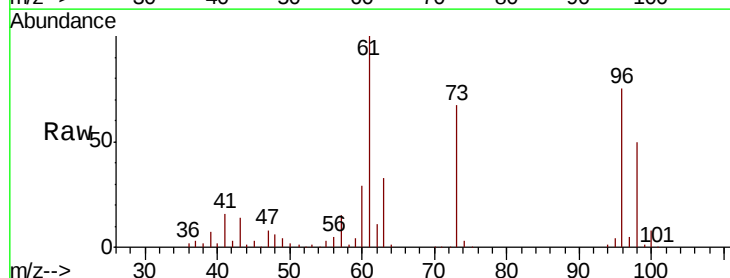
Tot Ion: 73 Resp: 142691
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.2 24.4
 57 21.4 17.2 25.8

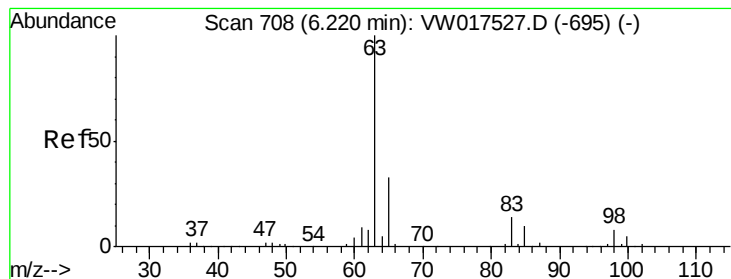


#18

trans-1,2-Dichloroethene
 Concen: 23.016 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion: 96 Resp: 132121
 Ion Ratio Lower Upper
 96 100
 61 133.4 92.7 172.1
 98 66.5 43.3 80.3





#19

1,1-Dichloroethane

Concen: 23.901 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

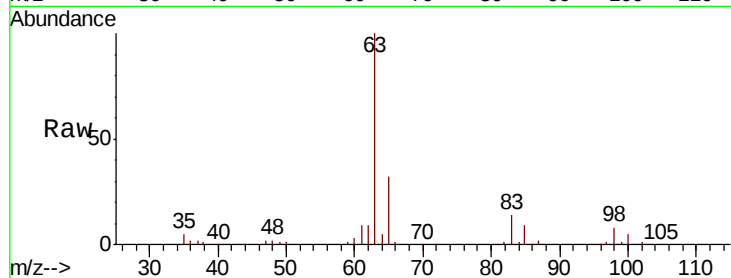
Tot Ion: 63 Resp: 231652

Ion Ratio Lower Upper

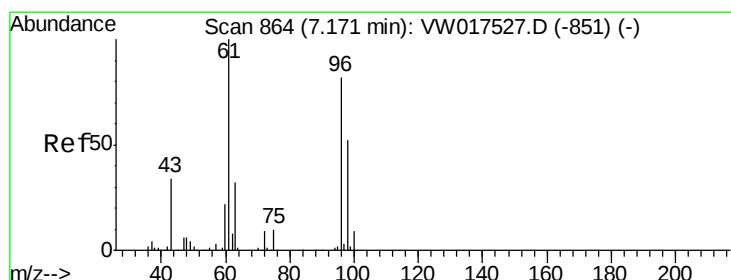
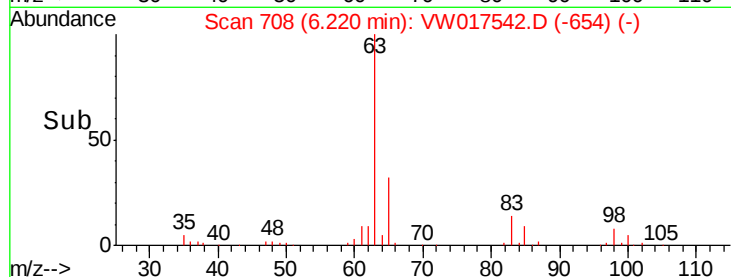
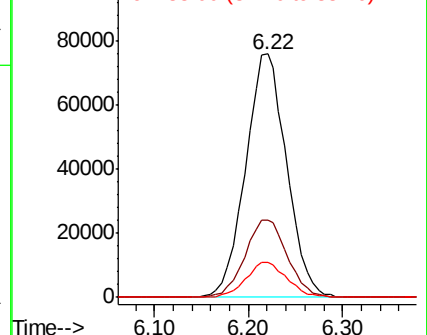
63 100

65 31.5 21.9 40.7

83 14.4 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 46.775 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017542.D

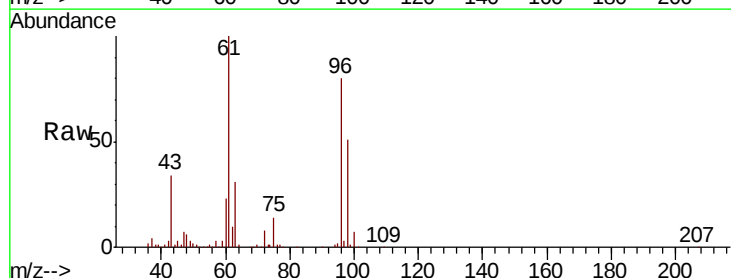
Acq: 03 Dec 2020 19:30

Tgt Ion: 43 Resp: 60177

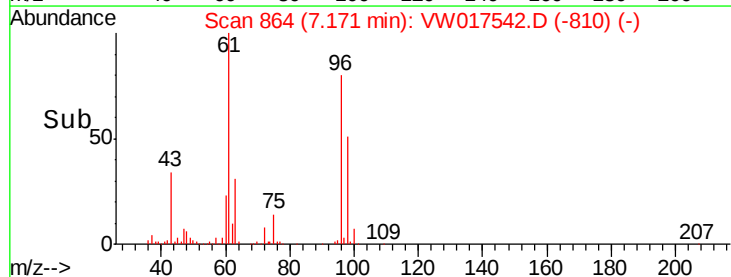
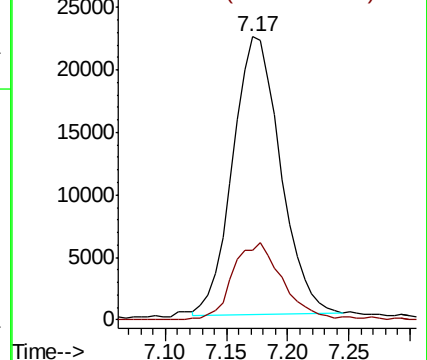
Ion Ratio Lower Upper

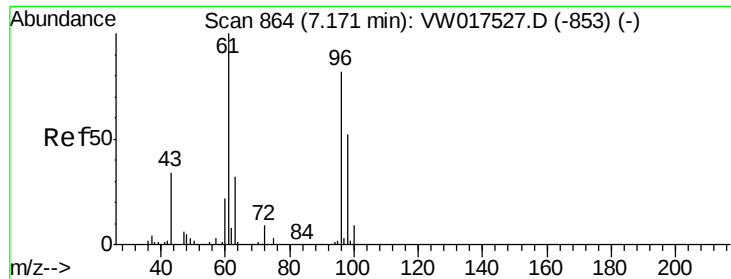
43 100

72 28.9 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

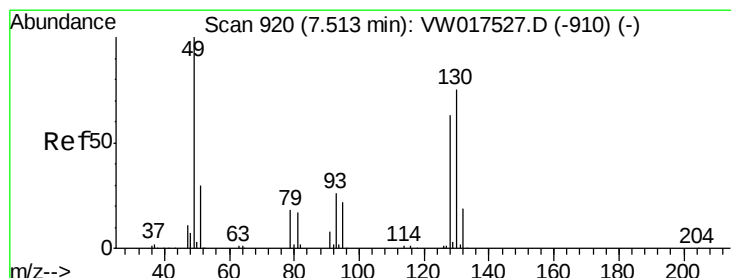
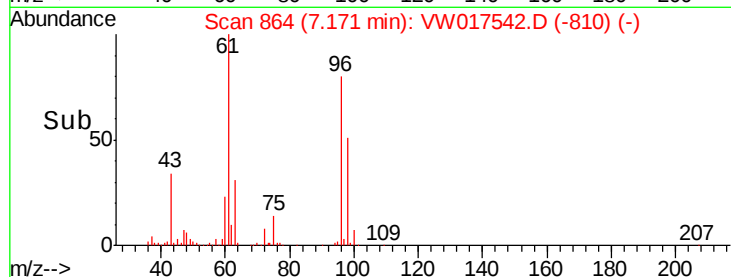
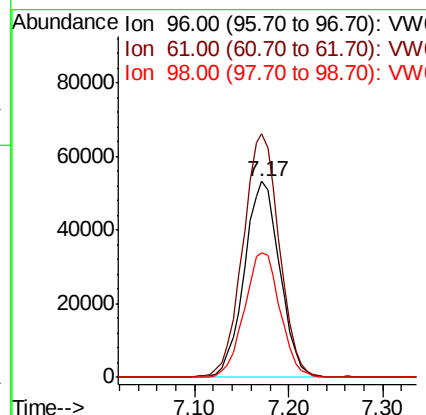
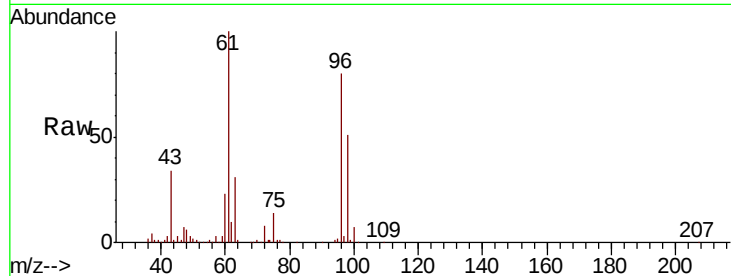




#22
 cis-1,2-Dichloroethene
 Concen: 23.506 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

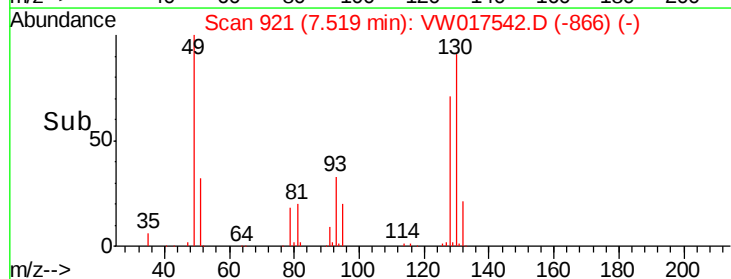
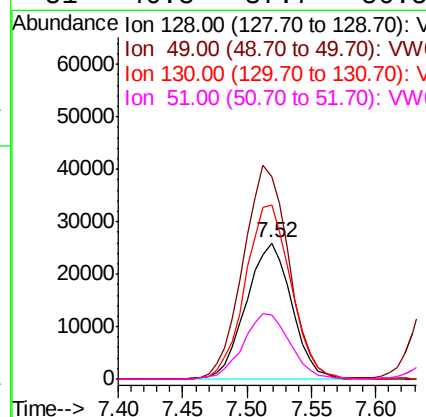
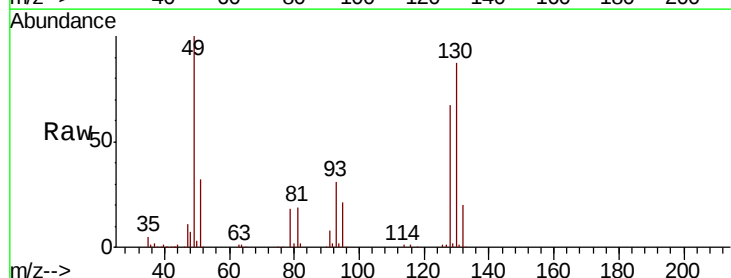
Instrument :
 MSVOA_W
 ClientSampled :

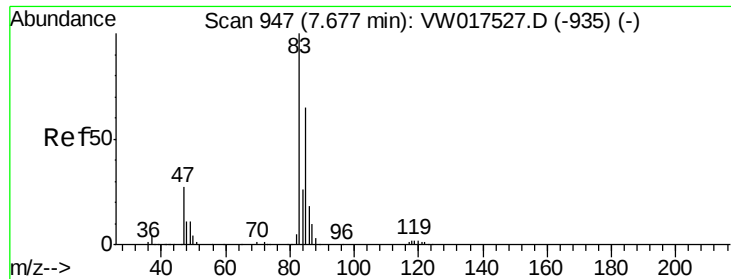
Tot Ion: 96 Resp: 140788
 Ion Ratio Lower Upper
 96 100
 61 124.3 84.6 157.2
 98 63.6 44.7 82.9



#23
 Bromochloromethane
 Concen: 23.297 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion: 128 Resp: 63384
 Ion Ratio Lower Upper
 128 100
 49 148.5 101.6 188.6
 130 128.6 90.4 167.8
 51 46.8 37.7 56.5

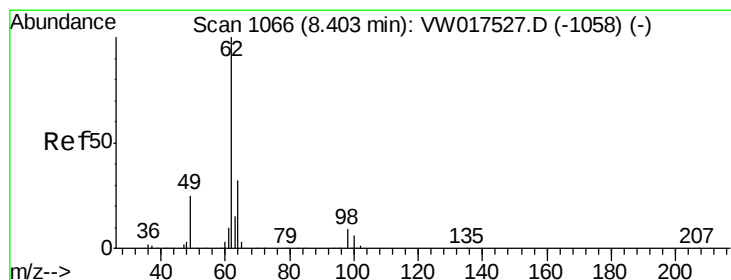
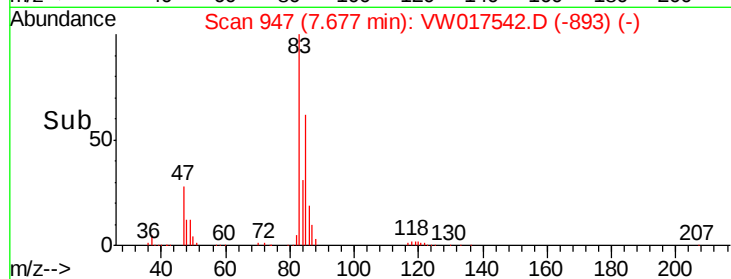
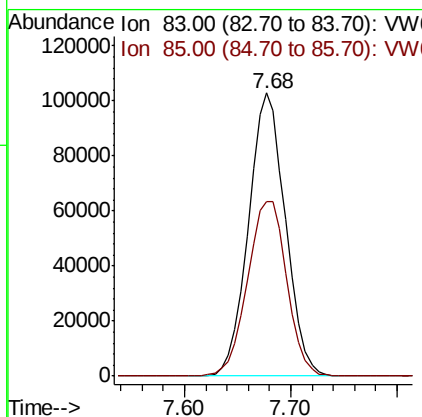
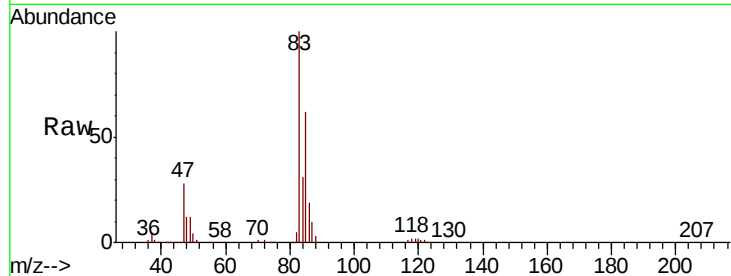




#25
Chloroform
Concen: 24.422 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

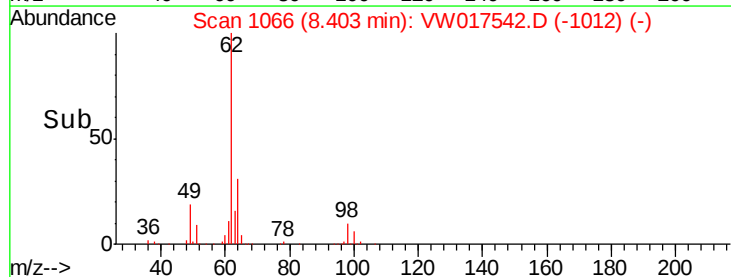
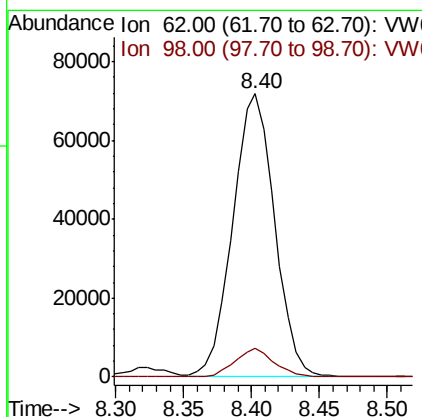
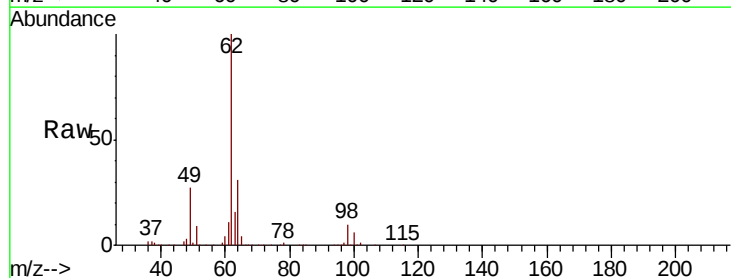
Instrument :
MSVOA_W
ClientSampleId :

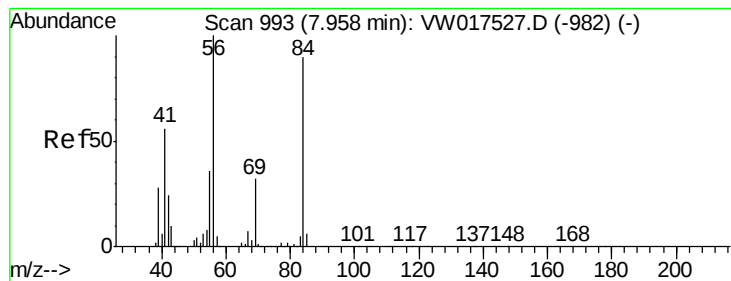
Tot Ion: 83 Resp: 249889
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.031 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion: 62 Resp: 154247
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0





#30

Cvclohexane

Concen: 22.221 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampled :

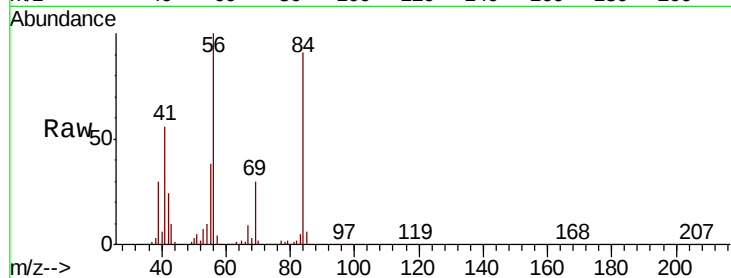
Tot Ion: 56 Resp: 195922

Ion Ratio Lower Upper

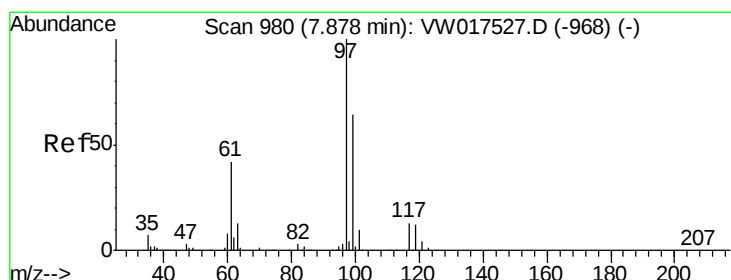
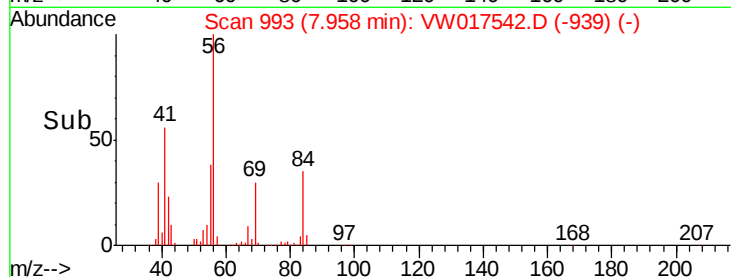
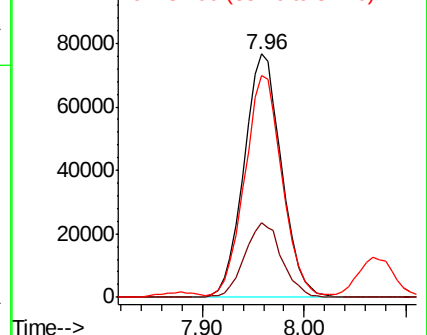
56 100

69 30.4 24.8 37.2

84 91.2 74.2 111.4



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: 23.826 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

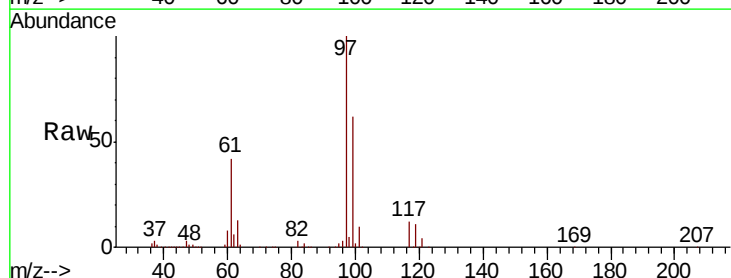
Tgt Ion: 97 Resp: 208443

Ion Ratio Lower Upper

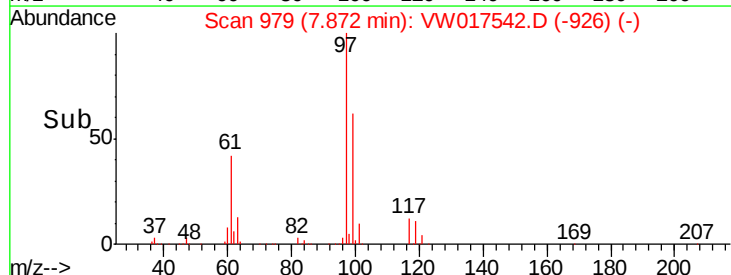
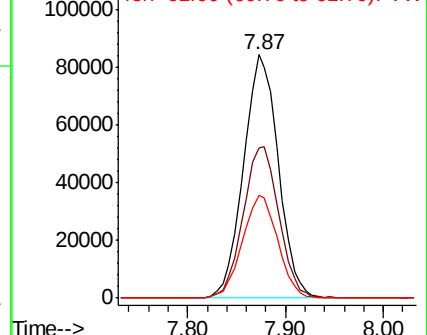
97 100

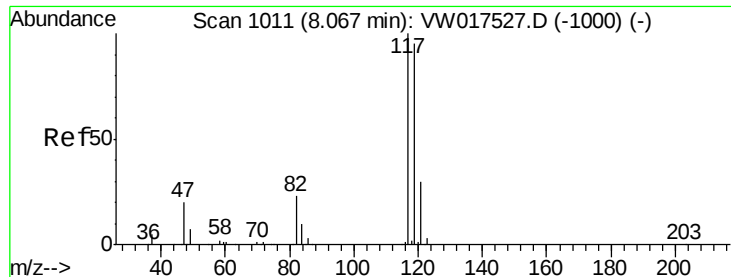
99 63.8 51.0 76.4

61 43.1 33.6 50.4



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: 23.918 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

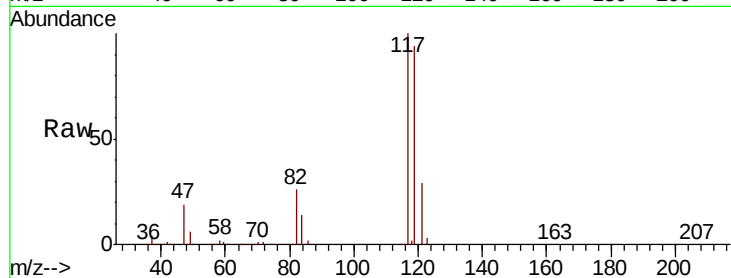
ClientSampleId :

Tot Ion:117 Resp: 203180

Ion Ratio Lower Upper

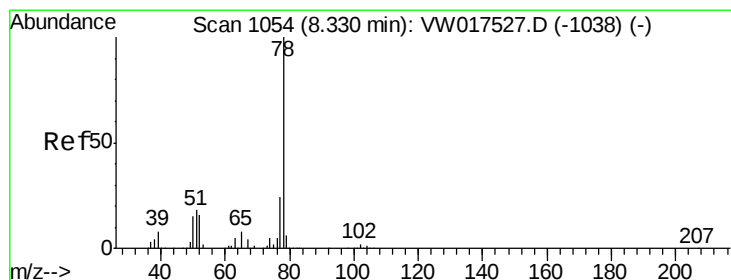
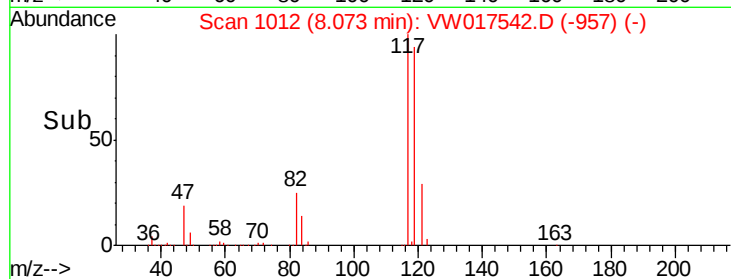
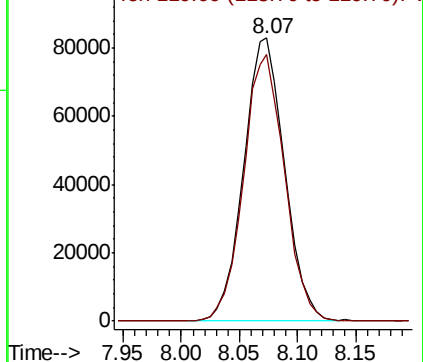
117 100

119 94.4 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.842 ug/L

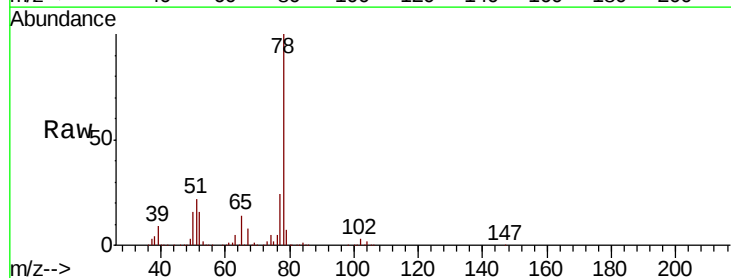
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

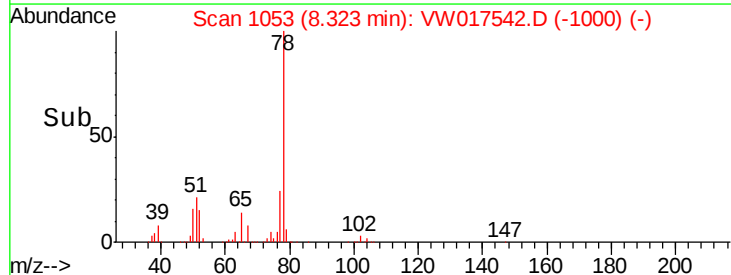
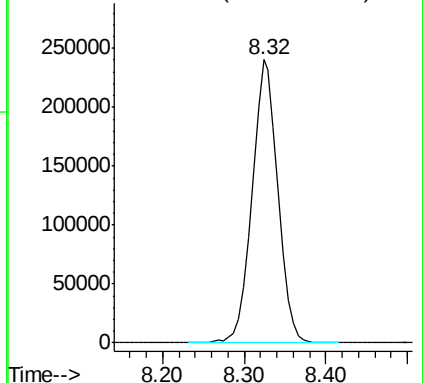
Lab File: VW017542.D

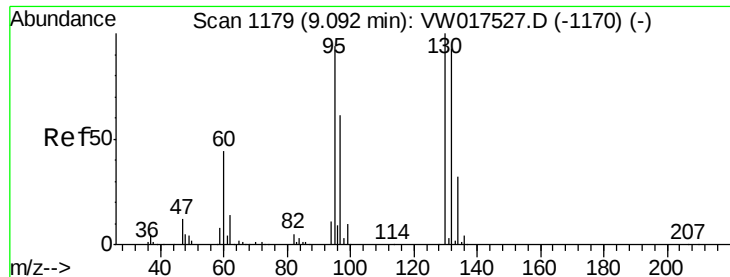
Acq: 03 Dec 2020 19:30

Tgt Ion: 78 Resp: 529694



Abundance Ion 78.00 (77.70 to 78.70): VW

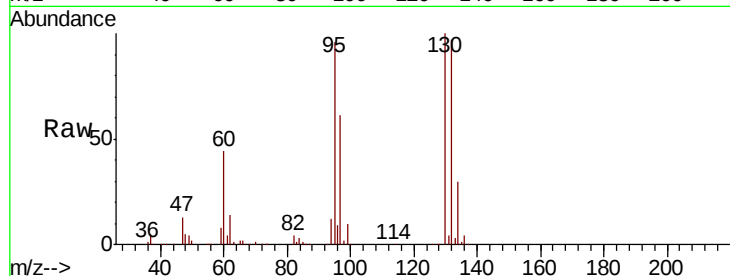




#35
 Trichloroethene
 Concen: 22.956 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	95	Resp	141388
Ion Ratio	Lower	Upper	
95	100		
97	64.7	45.0	83.6
132	100.3	71.0	131.8
130	104.5	75.6	140.4



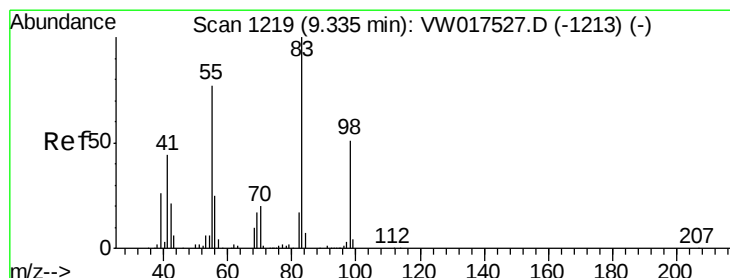
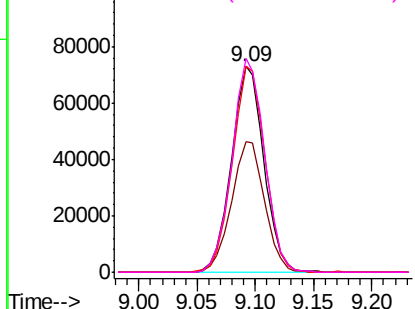
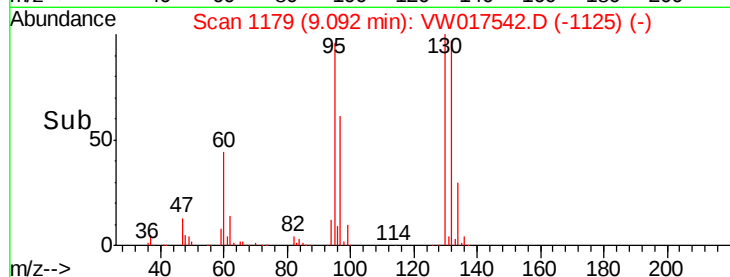
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

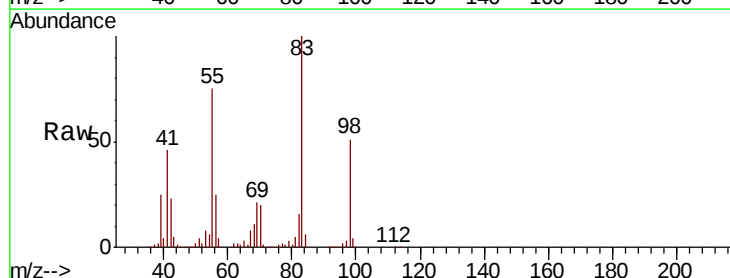
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 21.905 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion	83	Resp	223103
Ion Ratio	Lower	Upper	
83	100		
55	74.8	59.4	89.0
98	50.7	40.7	61.1

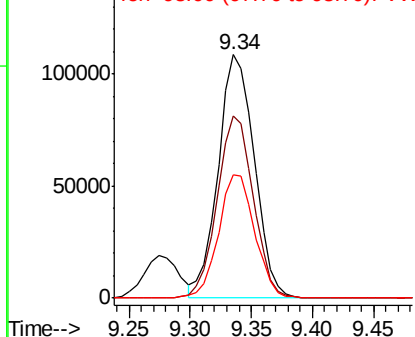
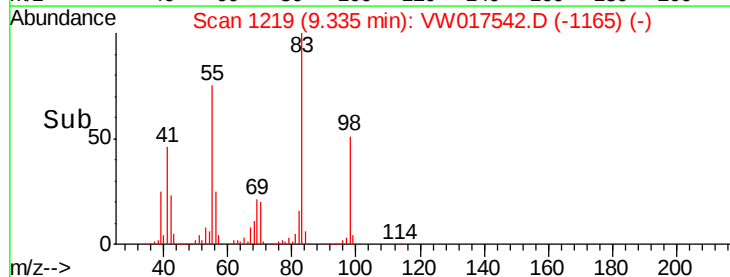


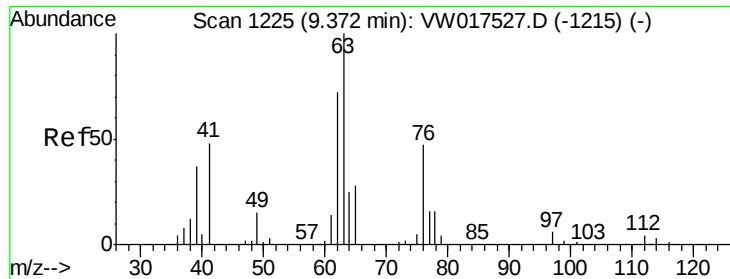
Abundance

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

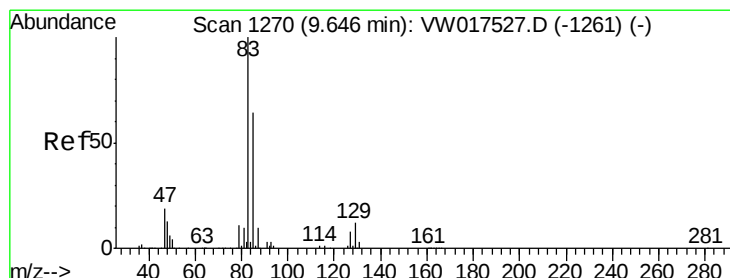
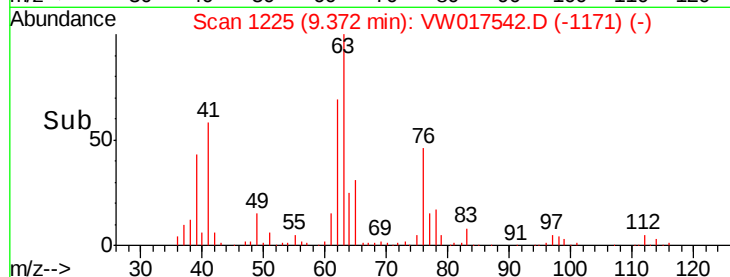
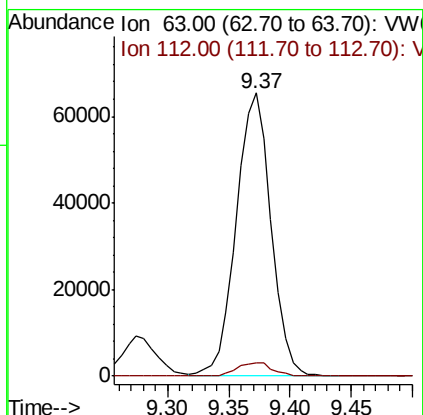
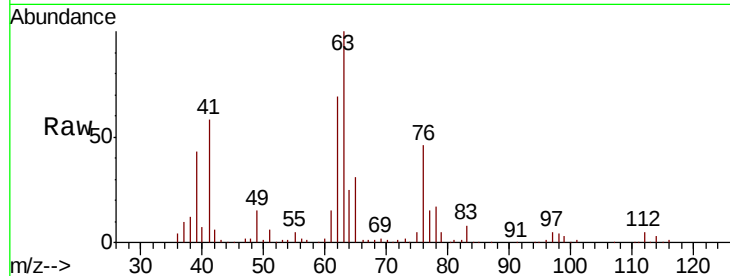




#40
 1,2-Dichloropropane
 Concen: 24.760 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

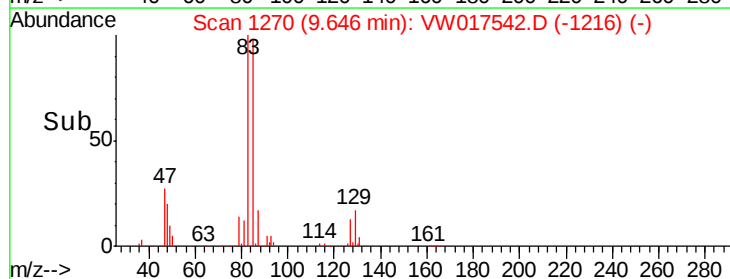
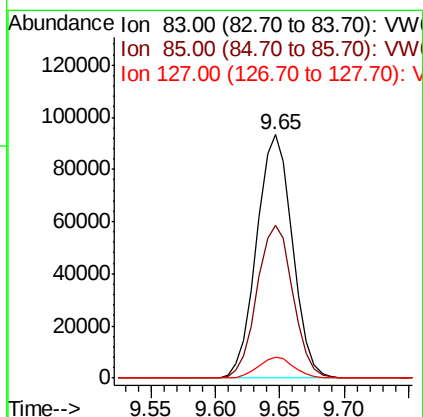
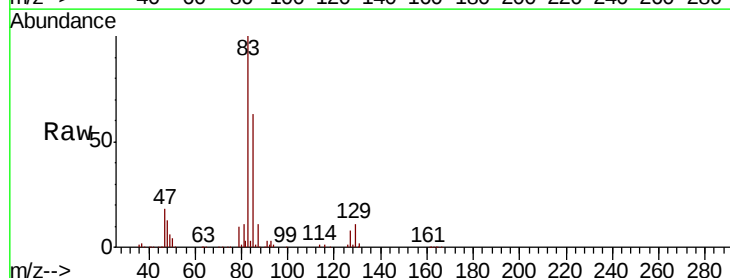
Instrument :
 MSVOA_W
 ClientSampleId :

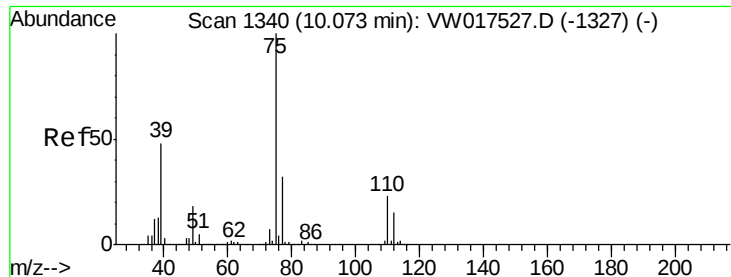
Tot Ion: 63 Resp: 129204
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.4



#41
 Bromodichloromethane
 Concen: 24.803 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion: 83 Resp: 178830
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.8 86.8
 127 8.4 7.6 11.4

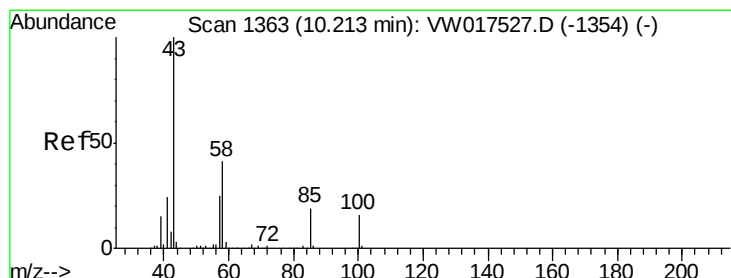
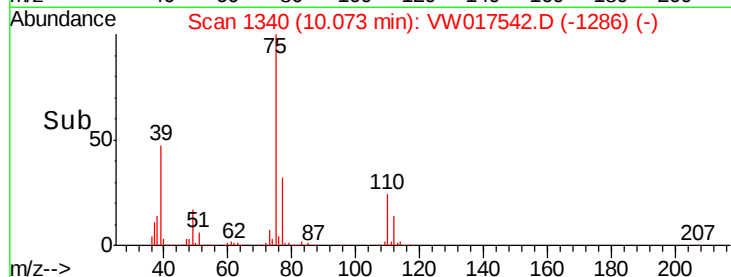
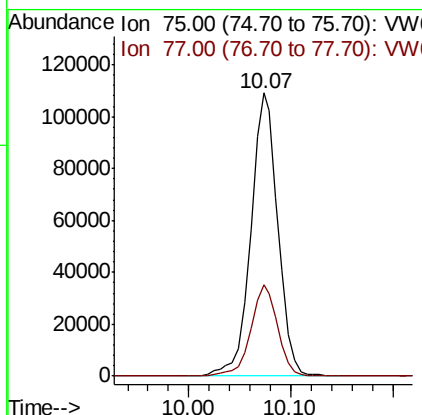
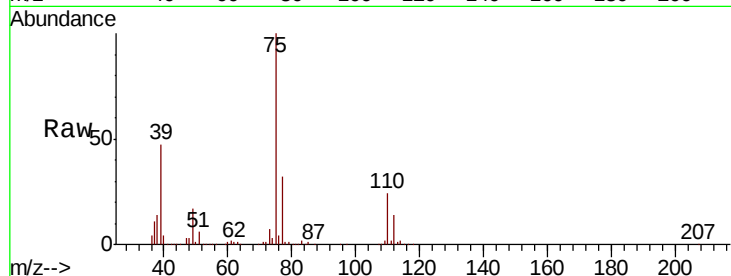




#42
 cis-1,3-Dichloropropene
 Concen: 24.912 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

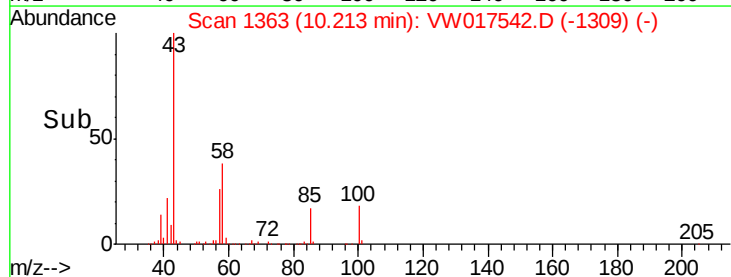
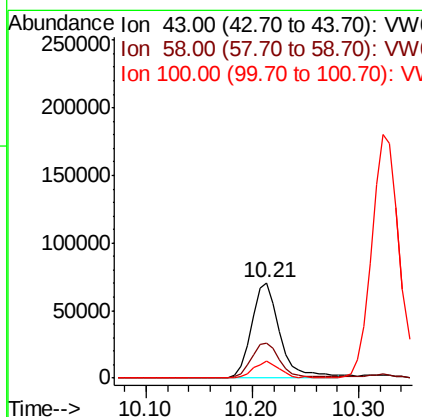
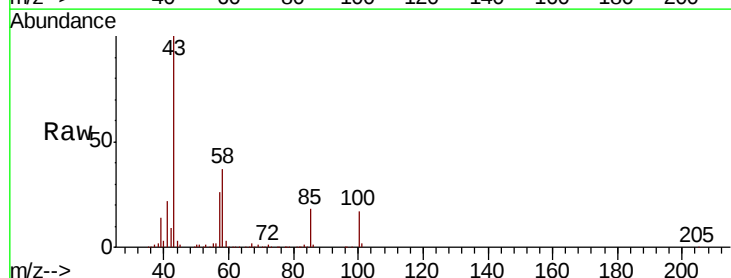
Instrument :
 MSVOA_W
 ClientSampled :

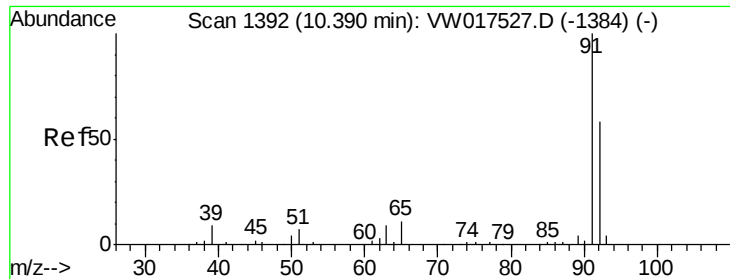
Tot Ion: 75 Resp: 201354
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 55.062 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion: 43 Resp: 132282
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.6 47.4
 100 15.7 14.1 21.1





#44

Toluene

Concen: 24.158 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

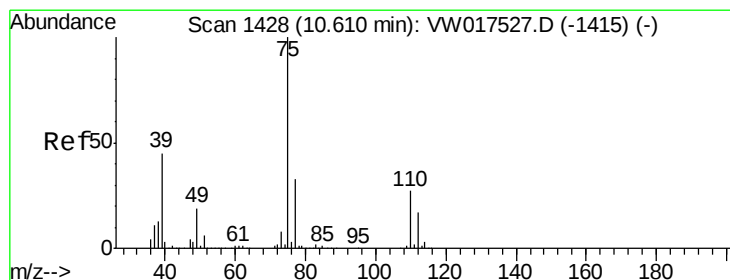
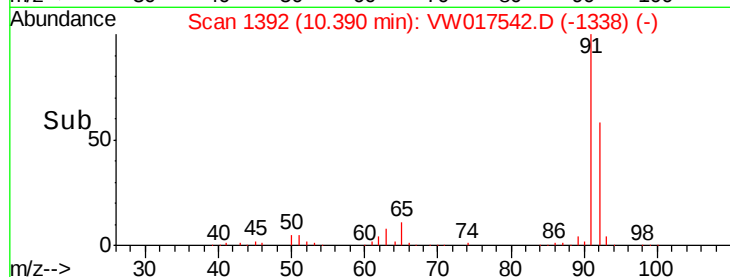
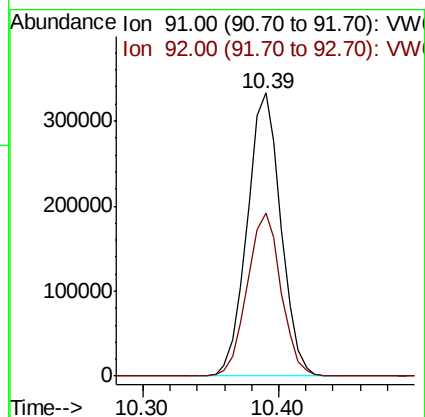
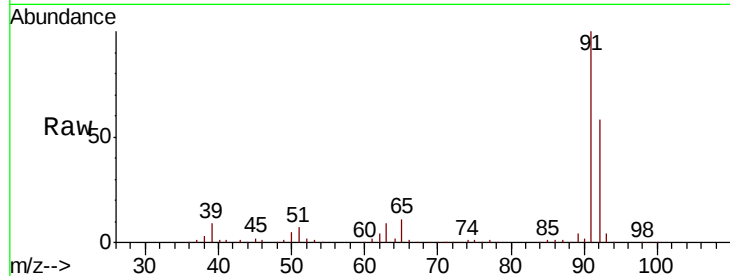
ClientSampleId :

Tot Ion: 91 Resp: 577545

Ion Ratio Lower Upper

91 100

92 57.7 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 25.509 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017542.D

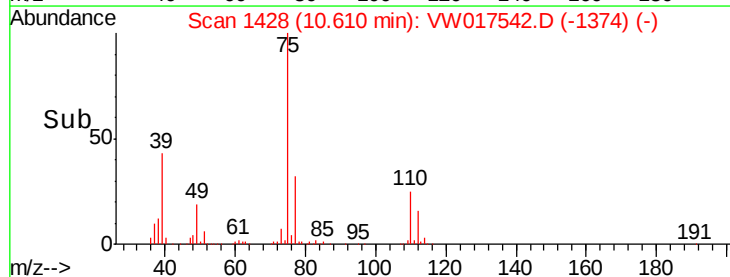
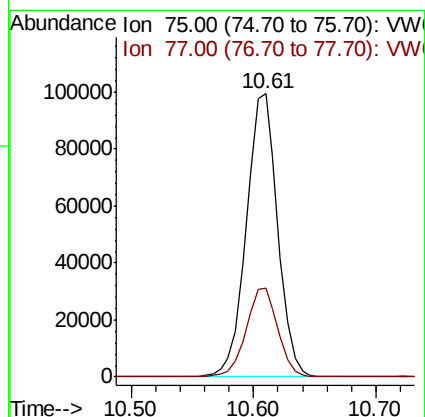
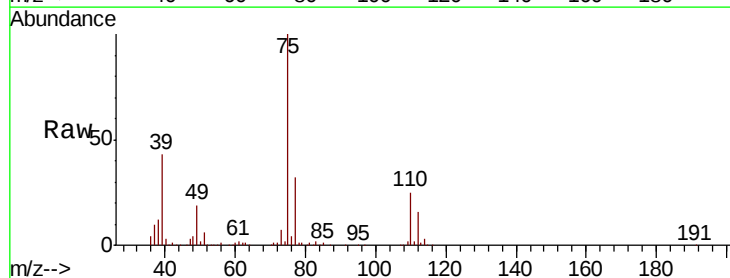
Acq: 03 Dec 2020 19:30

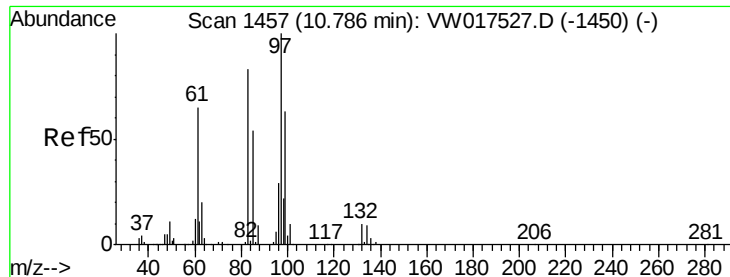
Tgt Ion: 75 Resp: 176684

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 24.791 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 96934

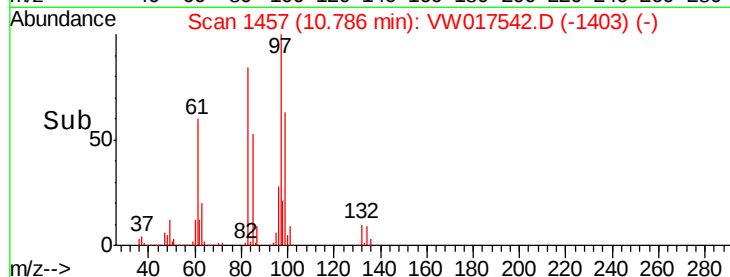
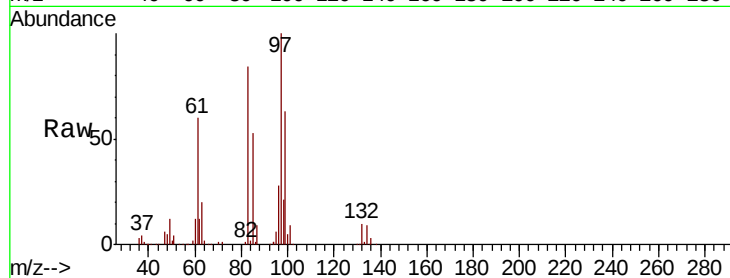
Ion Ratio Lower Upper

97 100

83 84.0 58.5 108.7

85 53.5 37.8 70.2

99 63.1 43.7 81.1



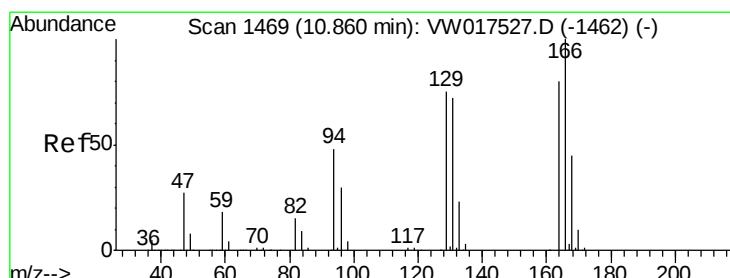
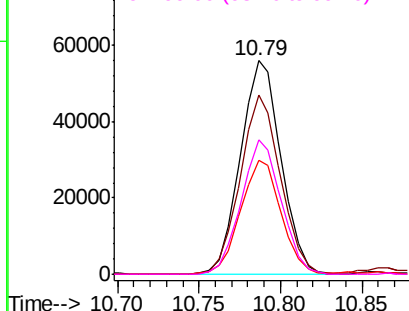
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.813 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Tgt Ion: 164 Resp: 130210

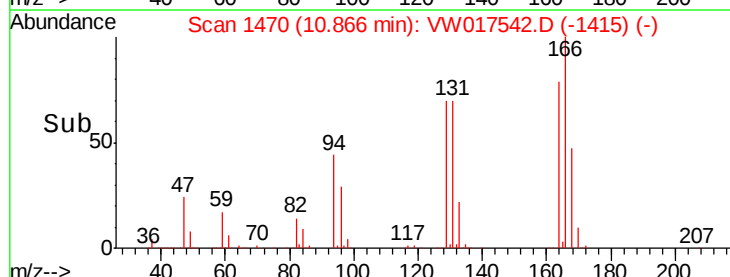
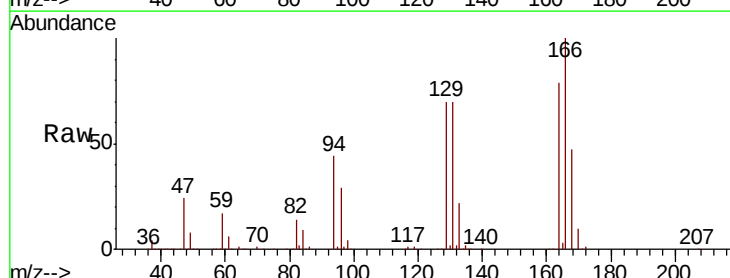
Ion Ratio Lower Upper

164 100

129 89.2 67.6 125.6

131 88.6 65.2 121.2

166 126.5 93.2 173.2



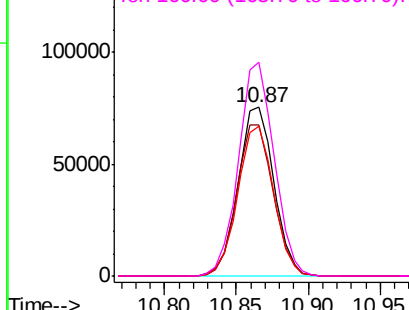
Abundance

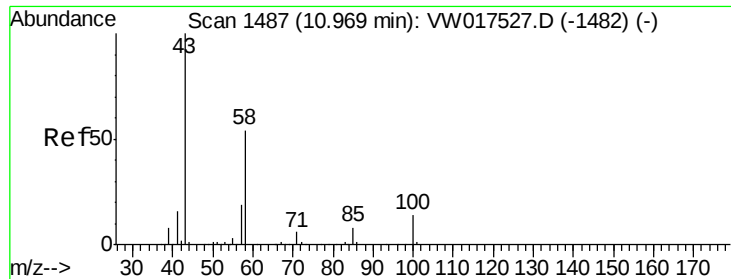
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 54.326 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 92171

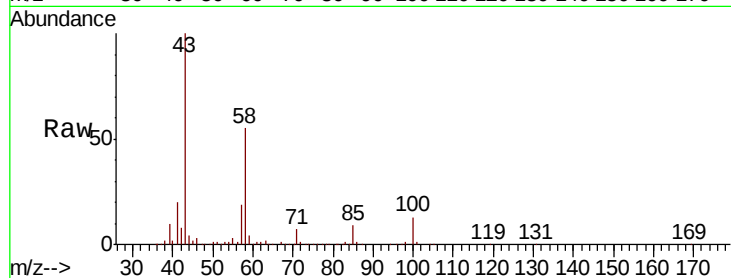
Ion Ratio Lower Upper

43 100

58 49.5 51.3 76.9#

57 16.6 15.0 22.6

100 12.6 12.2 18.2



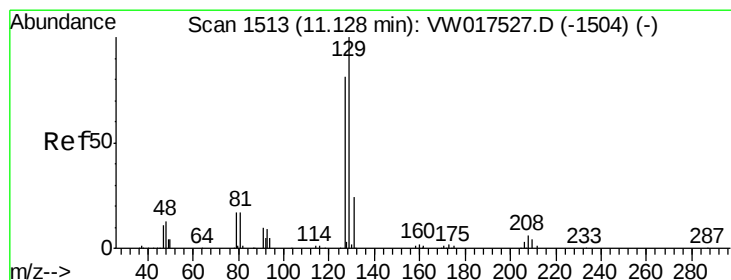
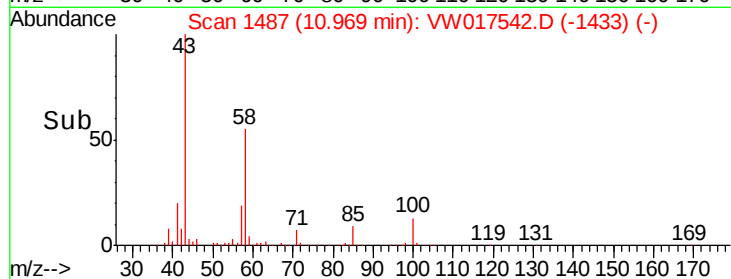
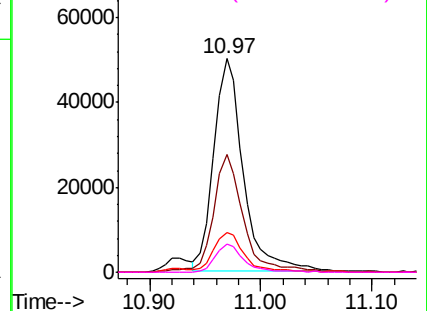
Abundance

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: 24.620 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017542.D

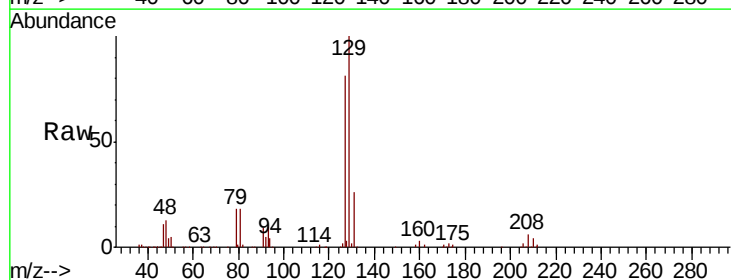
Acq: 03 Dec 2020 19:30

Tgt Ion: 129 Resp: 120249

Ion Ratio Lower Upper

129 100

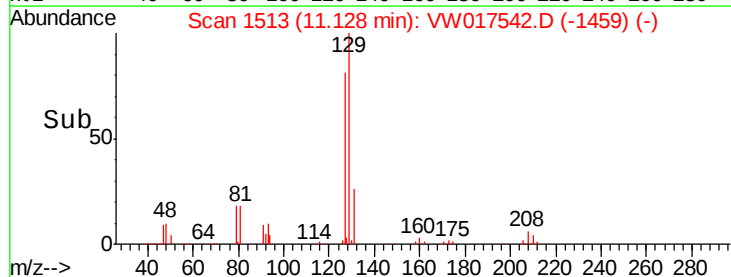
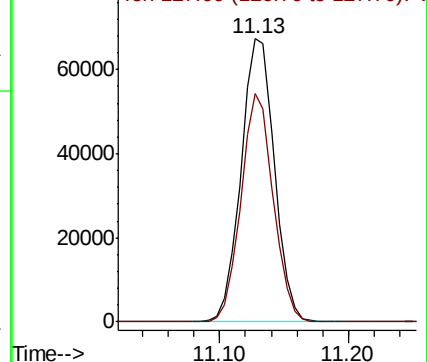
127 80.7 53.2 98.8

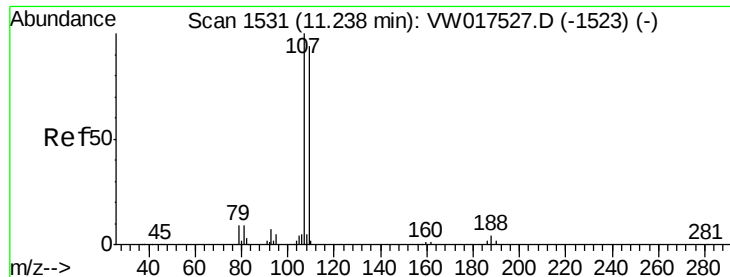


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.691 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

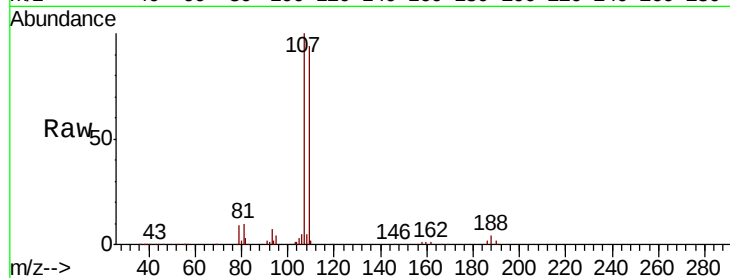
Tot Ion:107 Resp: 92523

Ion Ratio Lower Upper

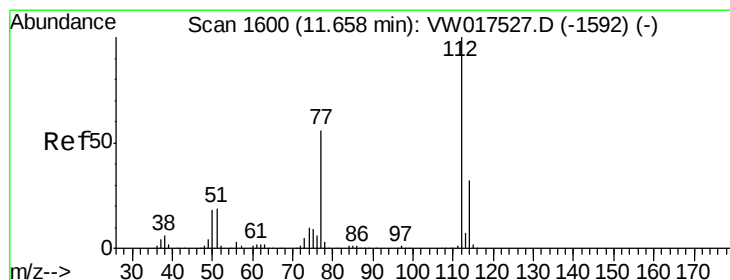
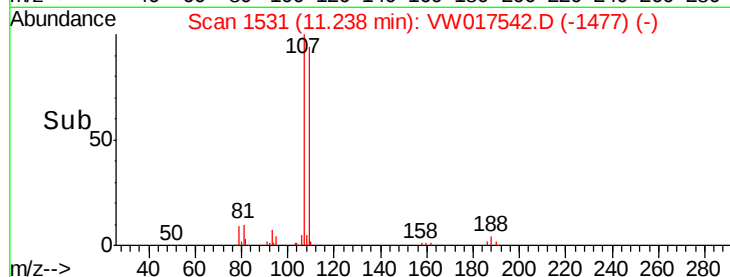
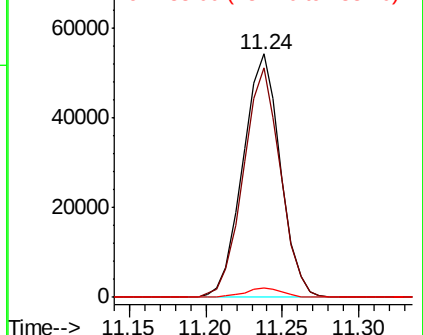
107 100

109 94.5 66.4 123.2

188 3.9 4.0 6.0#



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



#52

Chlorobenzene

Concen: 23.820 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

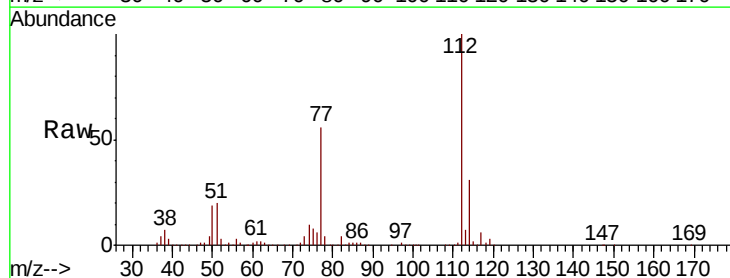
Tgt Ion:112 Resp: 372901

Ion Ratio Lower Upper

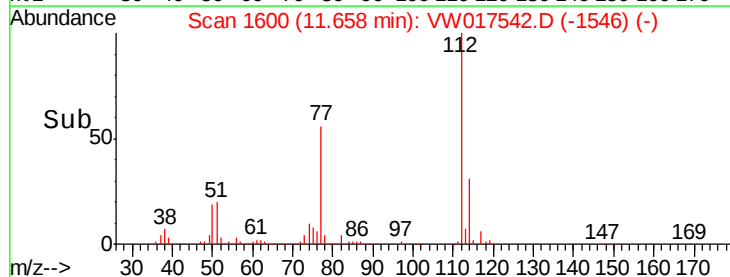
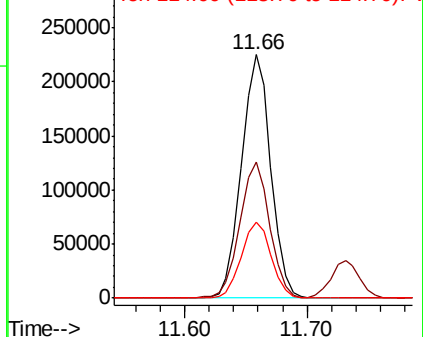
112 100

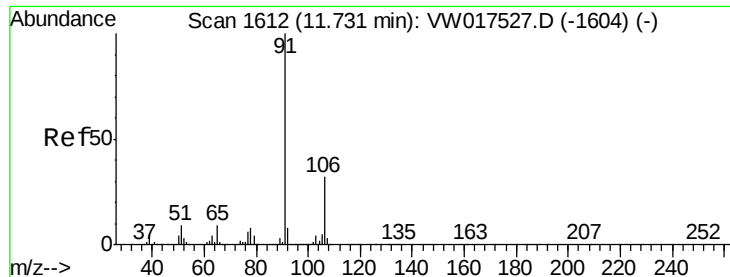
77 55.7 42.6 64.0

114 31.3 21.6 40.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.016 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

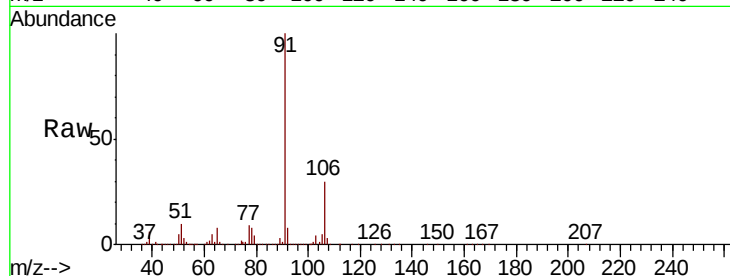
ClientSampleId :

Tot Ion: 91 Resp: 650996

Ion Ratio Lower Upper

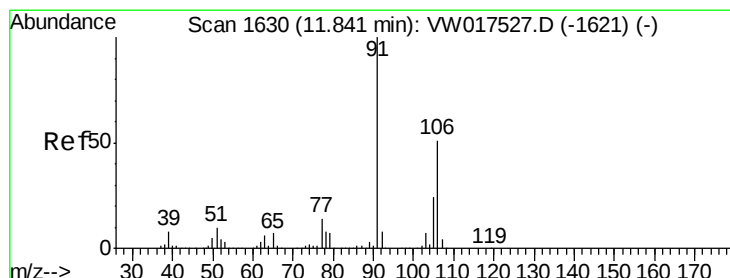
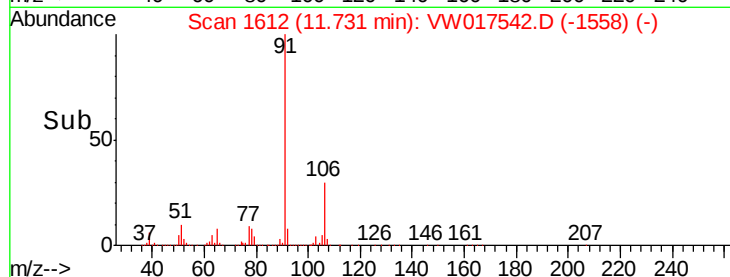
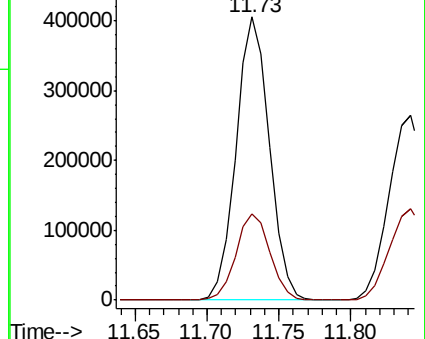
91 100

106 30.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 23.717 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017542.D

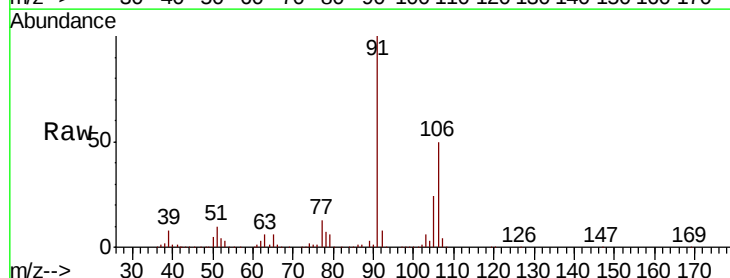
Acq: 03 Dec 2020 19:30

Tgt Ion: 106 Resp: 245282

Ion Ratio Lower Upper

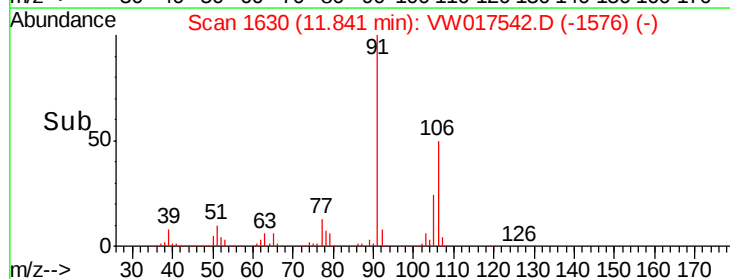
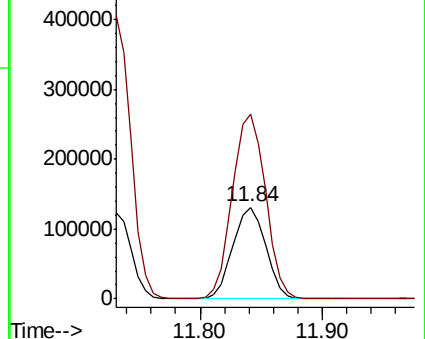
106 100

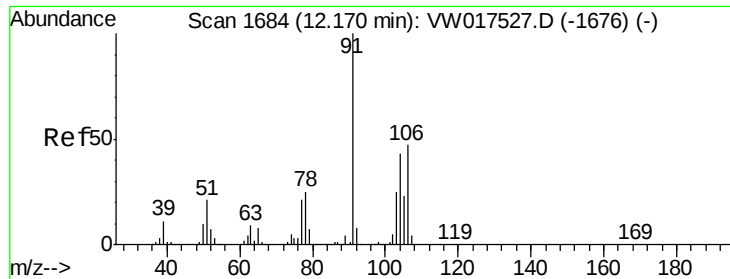
91 201.1 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

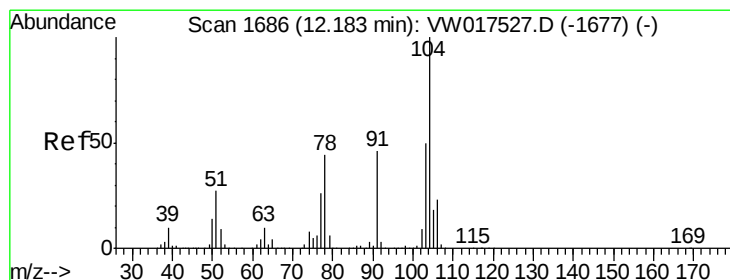
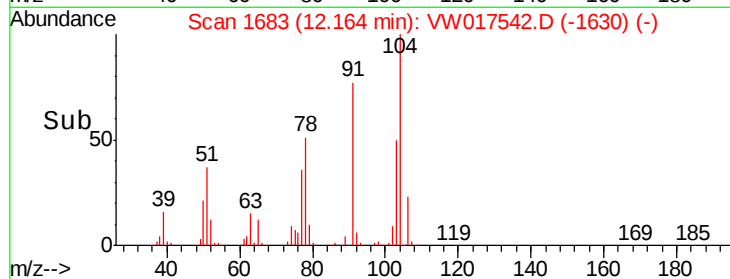
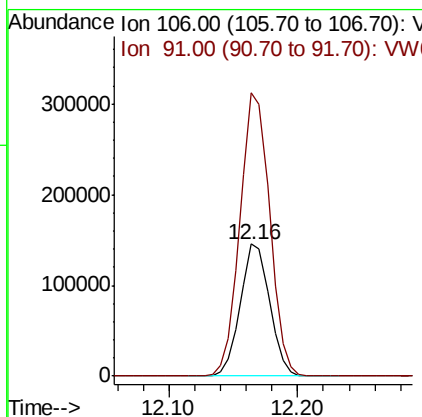
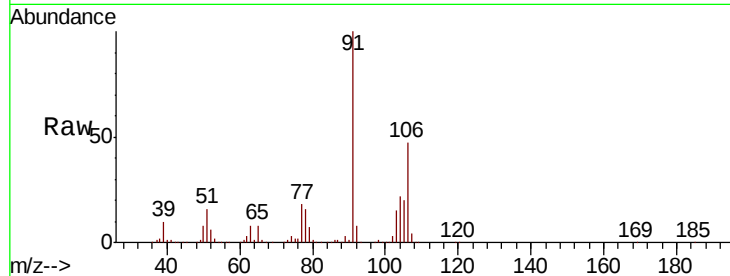




#55
o-xylene
Concen: 23.926 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

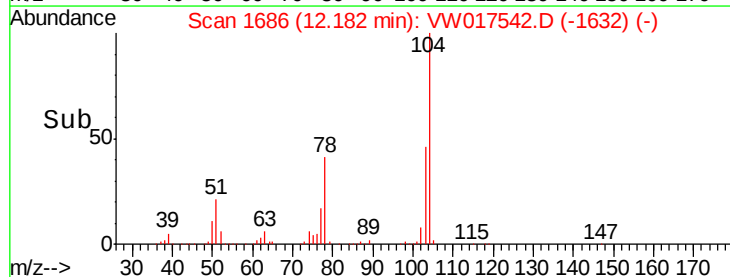
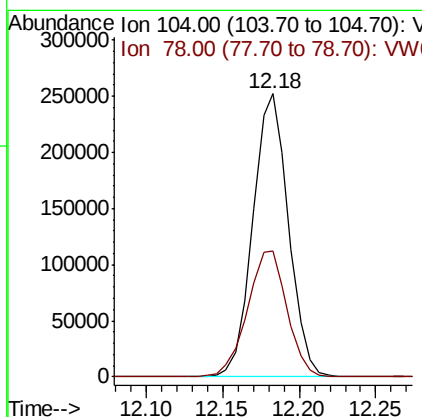
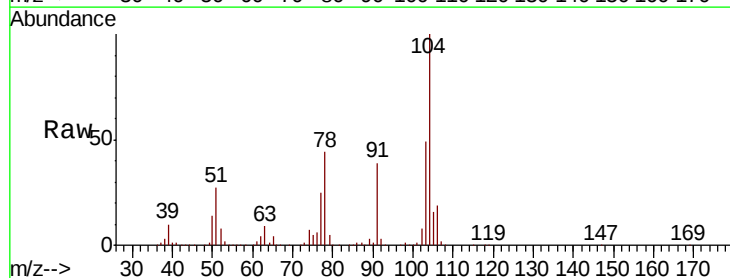
Instrument :
MSVOA_W
ClientSampled :

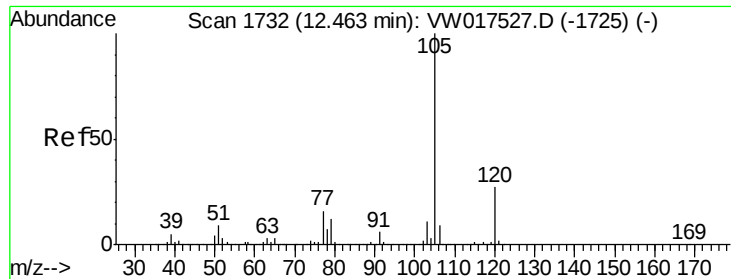
Tot Ion:106 Resp: 230460
Ion Ratio Lower Upper
106 100
91 214.2 147.6 274.2



#56
Styrene
Concen: 25.212 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017542.D
Acq: 03 Dec 2020 19:30

Tgt Ion:104 Resp: 408542
Ion Ratio Lower Upper
104 100
78 44.4 31.3 58.1





#57

Isopropylbenzene

Concen: 24.322 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampled :

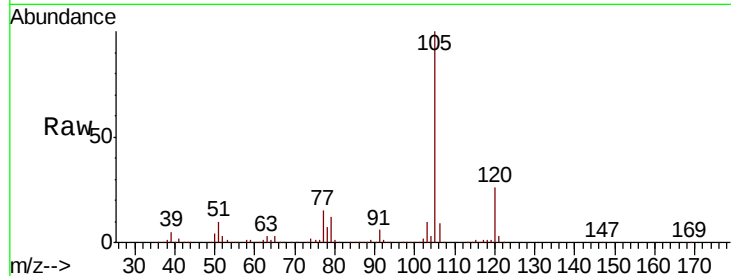
Tot Ion:105 Resp: 643503

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

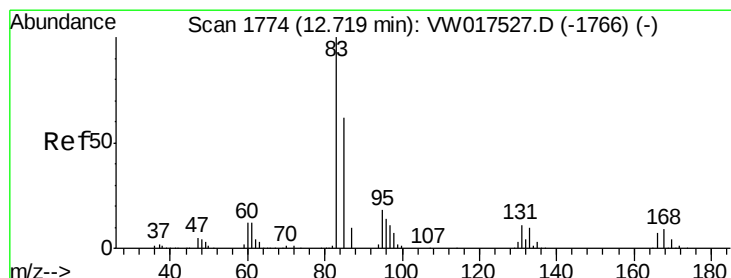
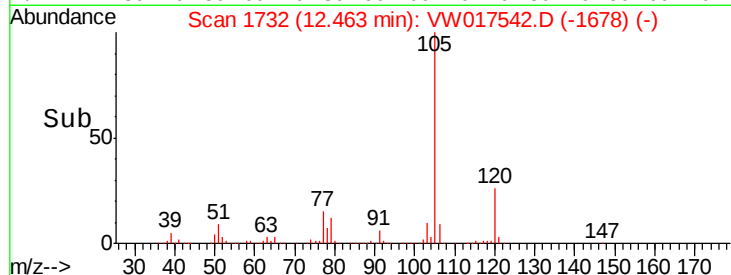
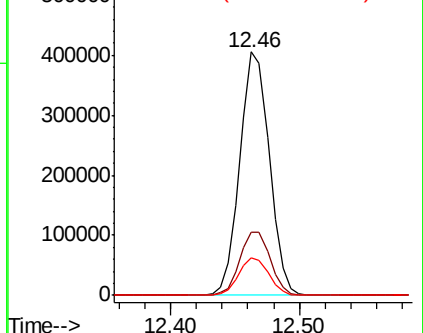
77 15.7 12.1 18.1



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: 26.573 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

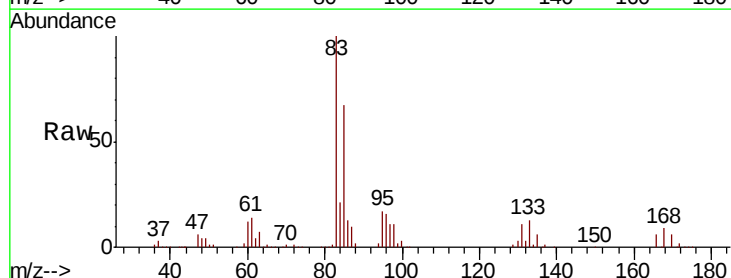
Tgt Ion: 83 Resp: 111830

Ion Ratio Lower Upper

83 100

85 66.6 45.3 84.1

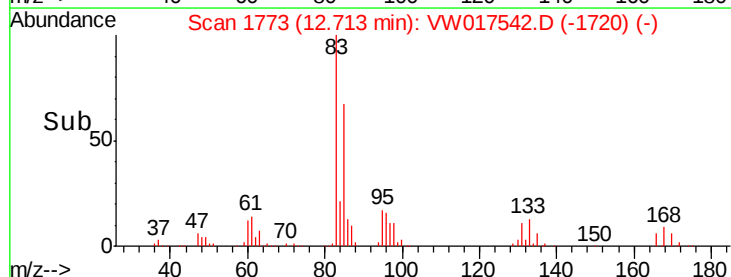
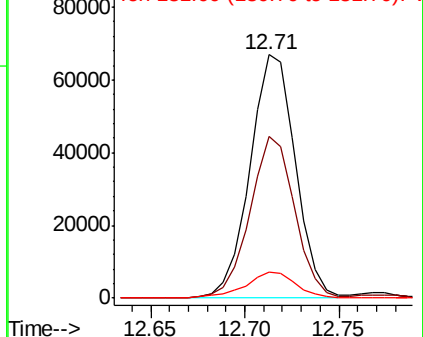
131 10.8 8.3 12.5

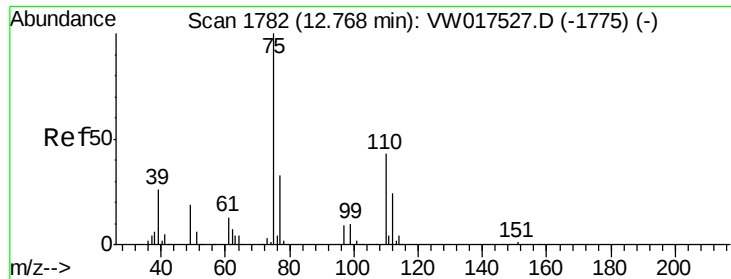


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.804 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

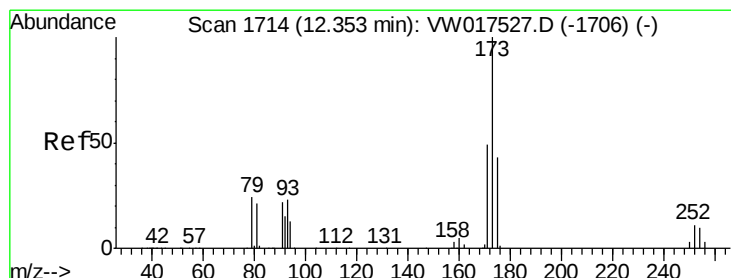
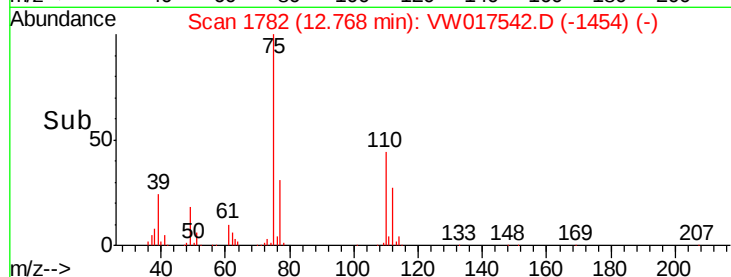
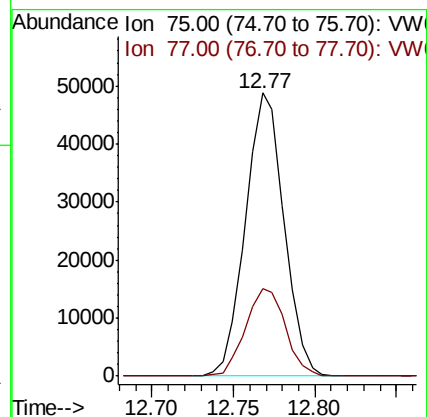
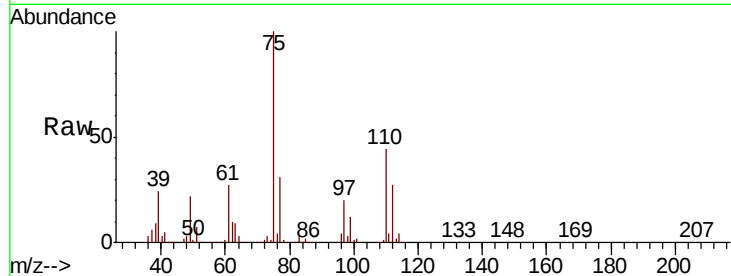
ClientSampled :

Tot Ion: 75 Resp: 80152

Ion Ratio Lower Upper

75 100

77 32.0 26.6 39.8



#62

Bromoform

Concen: 24.206 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

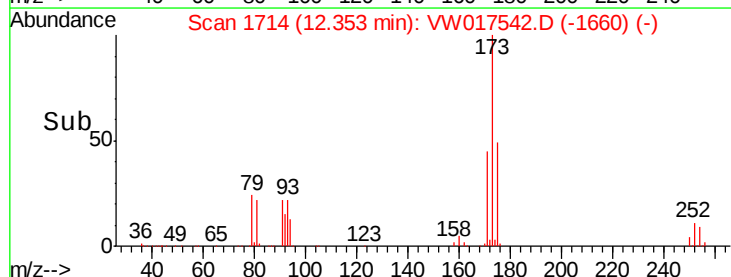
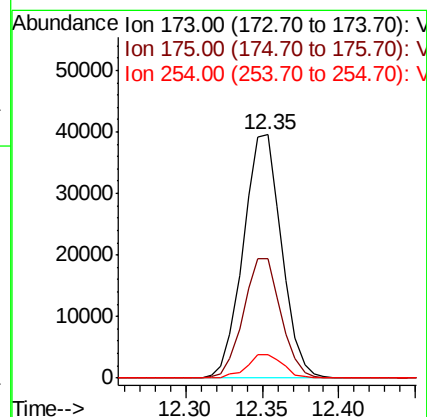
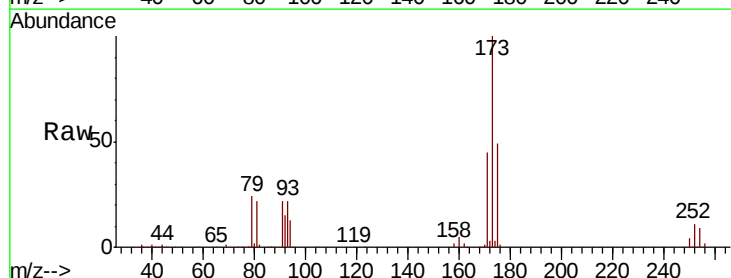
Tgt Ion: 173 Resp: 68768

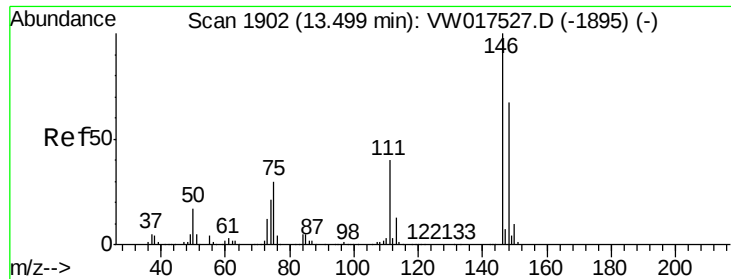
Ion Ratio Lower Upper

173 100

175 48.0 39.1 58.7

254 9.3 7.1 10.7

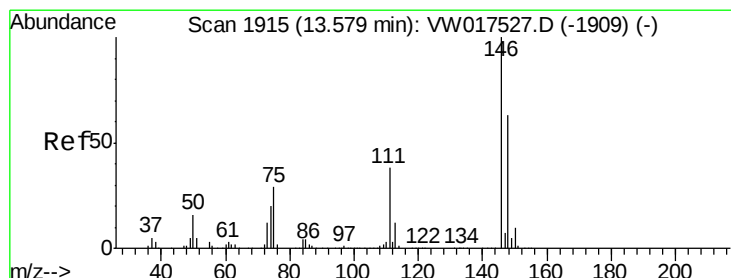
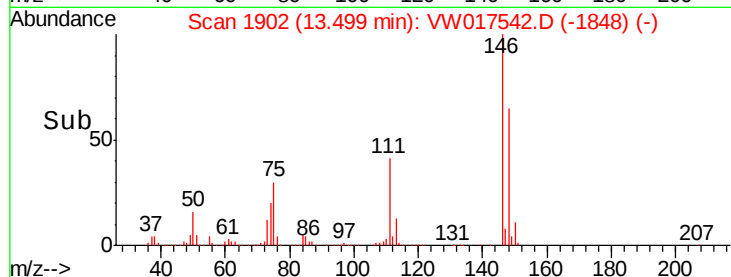
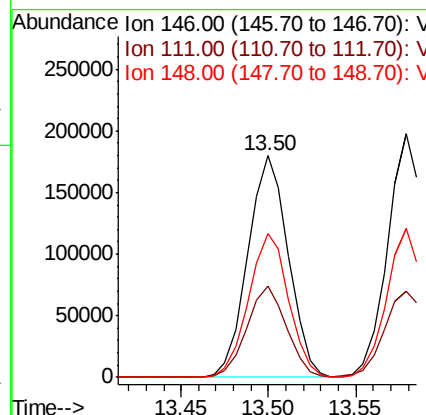
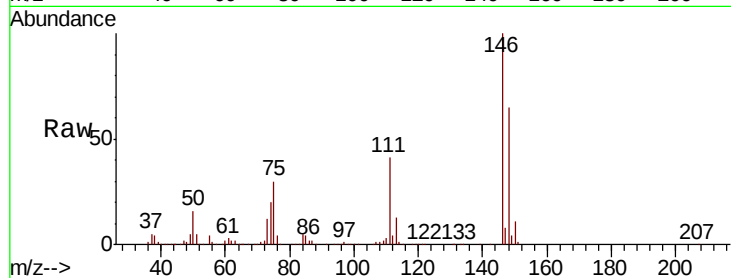




#63
 1,3-Dichlorobenzene
 Concen: 22.332 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

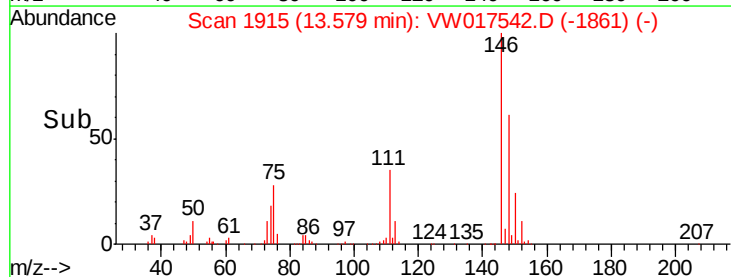
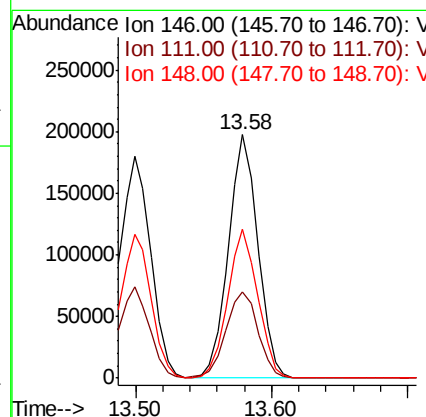
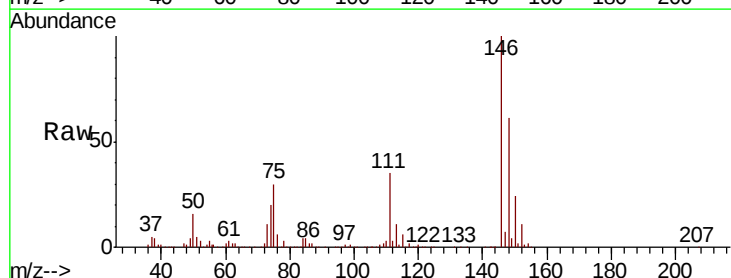
Instrument :
 MSVOA_W
 ClientSampled :

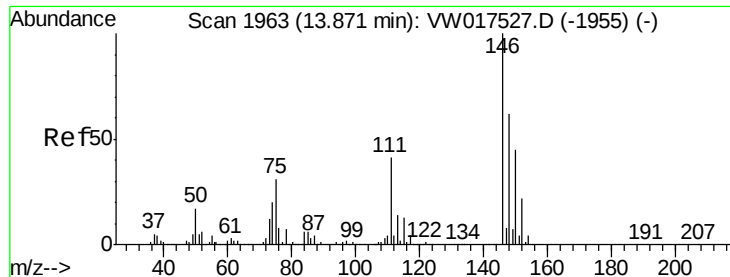
Tot Ion:146 Resp: 288576
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.5 52.9
 148 64.9 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 23.216 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion:146 Resp: 297204
 Ion Ratio Lower Upper
 146 100
 111 35.3 27.7 51.5
 148 61.3 47.0 87.2





#65

1,2-Dichlorobenzene

Concen: 23.148 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

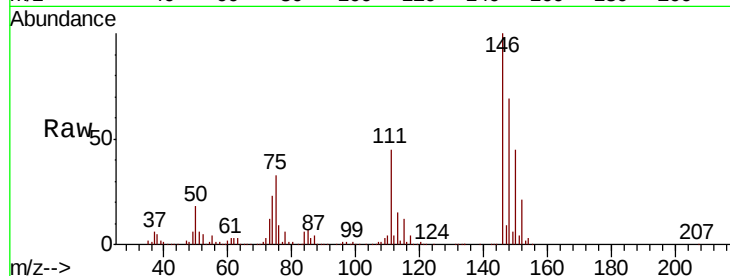
Tot Ion:146 Resp: 260527

Ion Ratio Lower Upper

146 100

111 44.9 31.7 47.5

148 69.2 49.3 73.9

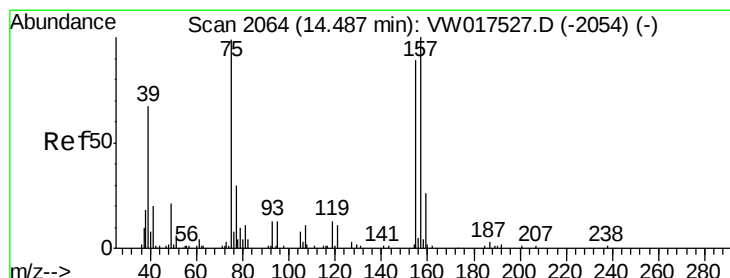
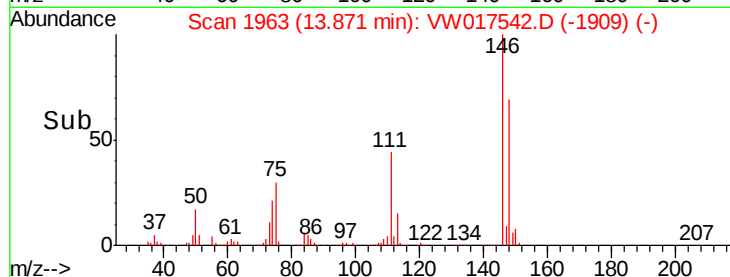
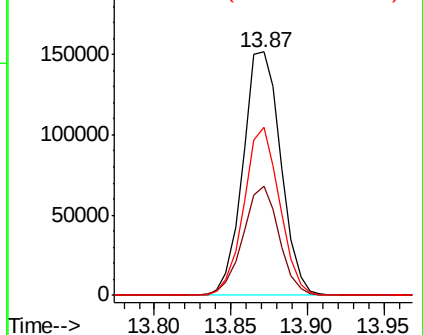


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 23.701 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

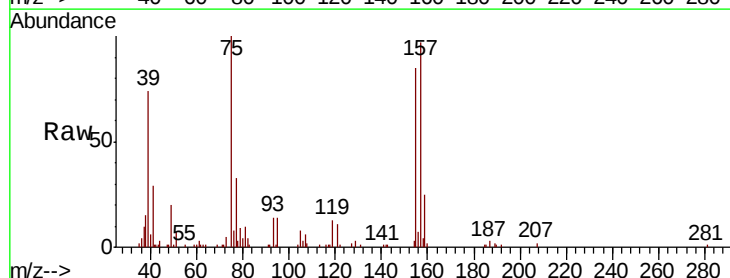
Tgt Ion: 75 Resp: 17175

Ion Ratio Lower Upper

75 100

157 97.1 99.9 149.9#

155 85.5 71.4 107.0

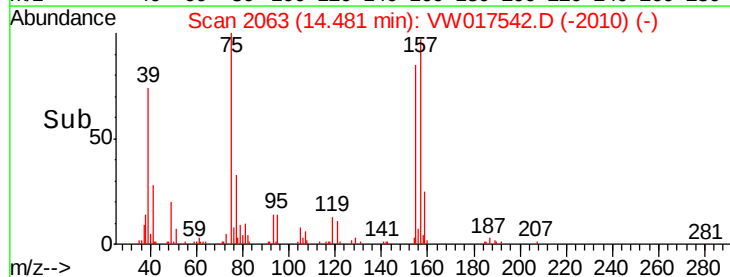
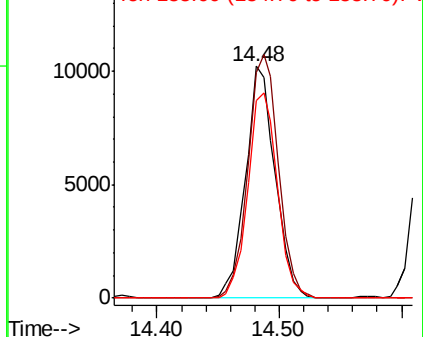


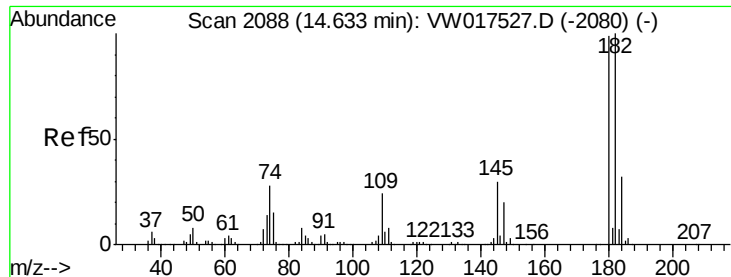
Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

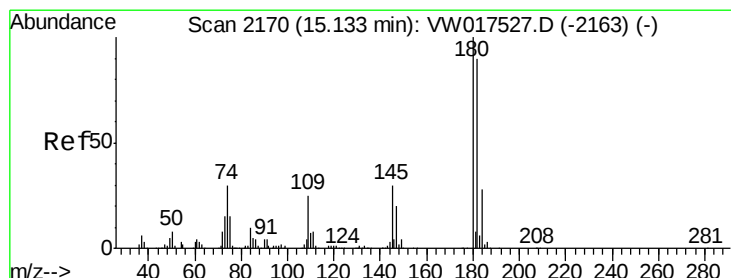
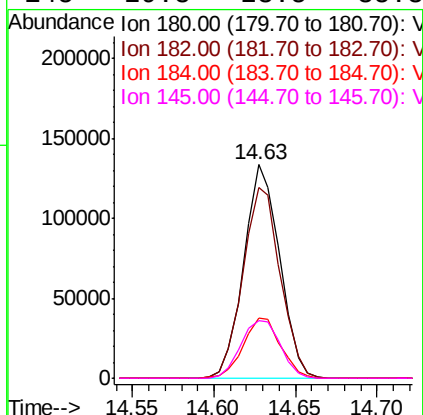
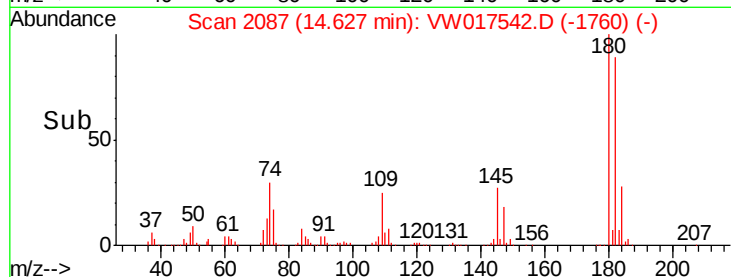
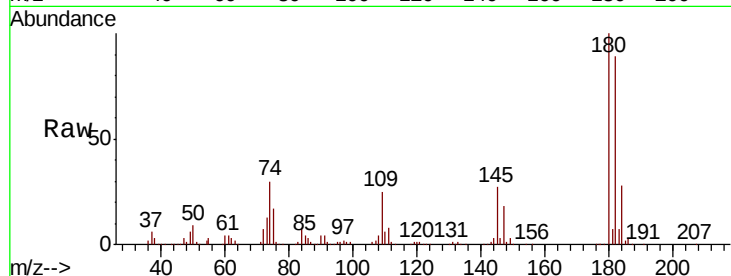




#67
 1,3,5-Trichlorobenzene
 Concen: 22.153 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

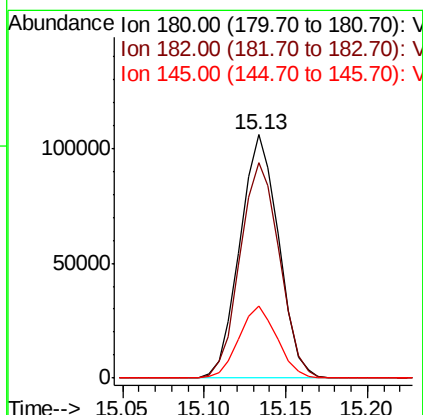
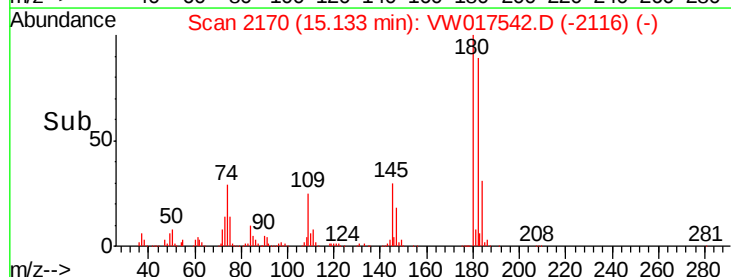
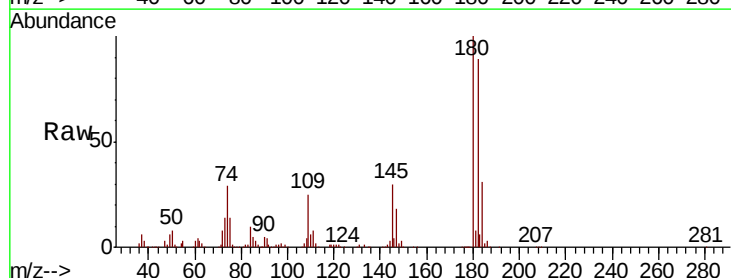
Instrument :
 MSVOA_W
 ClientSampleId :

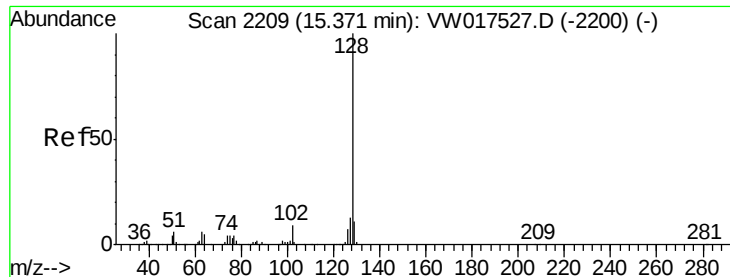
Tot Ion:	180	Resp:	205078
Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.0	115.6
184	29.3	24.2	36.4
145	29.8	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 23.412 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017542.D
 Acq: 03 Dec 2020 19:30

Tgt Ion:	180	Resp:	175204
Ion	Ratio	Lower	Upper
180	100		
182	90.5	71.3	106.9
145	29.2	24.0	36.0





#69

Naphthalene

Concen: 25.013 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

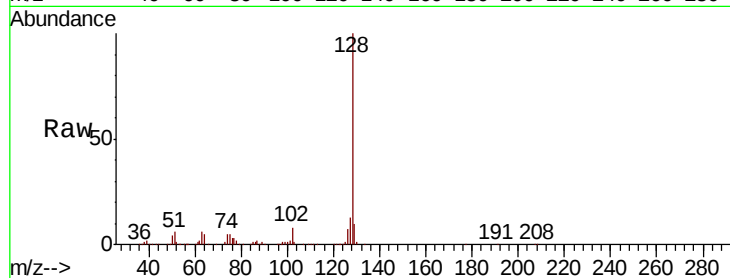
Tot Ion:128 Resp: 289032

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

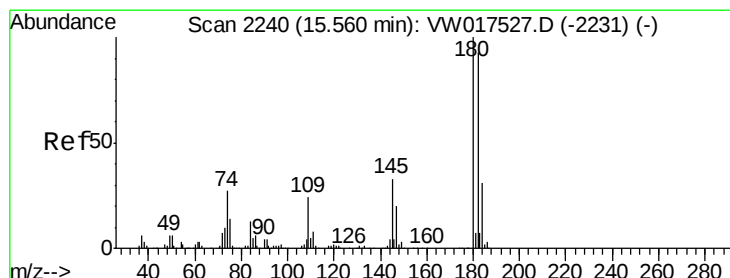
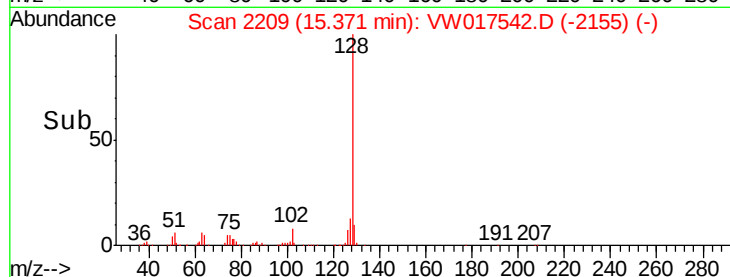
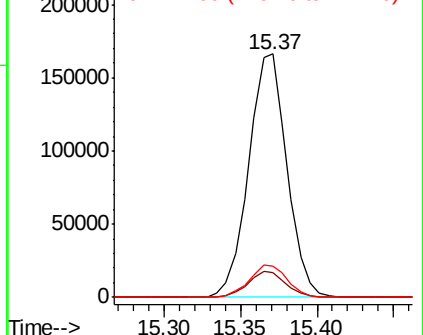
127 13.3 10.7 16.1



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: 24.255 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017542.D

Acq: 03 Dec 2020 19:30

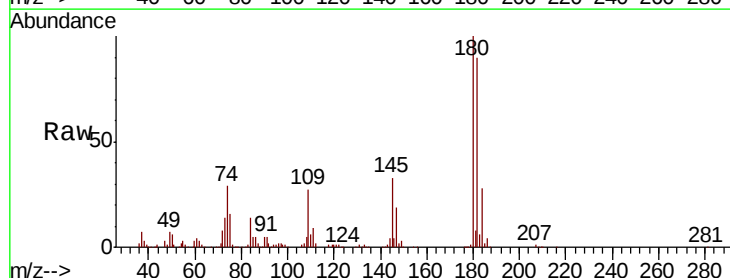
Tgt Ion:180 Resp: 151407

Ion Ratio Lower Upper

180 100

182 91.2 74.7 112.1

145 32.1 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

