

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081920\
 Data File : VW016249.D
 Acq On : 19 Aug 2020 10:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 01:32:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 13:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	377712	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349959	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171430	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82407	17.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.40%
7) Chloroethane-d5	2.89	69	67232	18.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.64%
10) 1,1-Dichloroethene-d2	4.02	63	203290	20.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.76%
20) 2-Butanone-d5	7.09	46	44678	36.26	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.52%
24) Chloroform-d	7.65	84	212283	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.30	65	103593	19.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.96%
29) Benzene-d6	8.27	84	415613	21.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.32%
33) 1,2-Dichloropropane-d6	9.28	67	117962	21.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.28%
37) Toluene-d8	10.33	98	387736	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.84%
38) trans-1,3-Dichloropropene-	10.58	79	50801	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.76%
39) 2-Hexanone-d5	10.93	63	38389	39.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99967	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	133411	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	95969	25.151	ug/L 95
3) Chloromethane	2.21	50	79757	21.048	ug/L 95
5) Vinyl chloride	2.37	62	115209	22.909	ug/L 100
6) Bromomethane	2.79	94	71670	22.755	ug/L 99
8) Chloroethane	2.93	64	64940	22.932	ug/L 100
9) Trichlorofluoromethane	3.26	101	102400	28.526	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	127885	25.209	ug/L 94
12) 1,1-Dichloroethene	4.03	96	122160	25.199	ug/L 94
13) Acetone	4.14	43	36892	39.576	ug/L 95
14) Carbon disulfide	4.38	76	374061	24.582	ug/L 99
15) Methyl Acetate	4.68	43	39905	18.206	ug/L 94
16) Methylene chloride	4.92	84	131357	22.024	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	156701	22.810	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	125969	24.703	ug/L 85
19) 1,1-Dichloroethane	6.22	63	207902	23.043	ug/L 97
21) 2-Butanone	7.18	43	53226	36.027	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	128835	23.949	ug/L 97

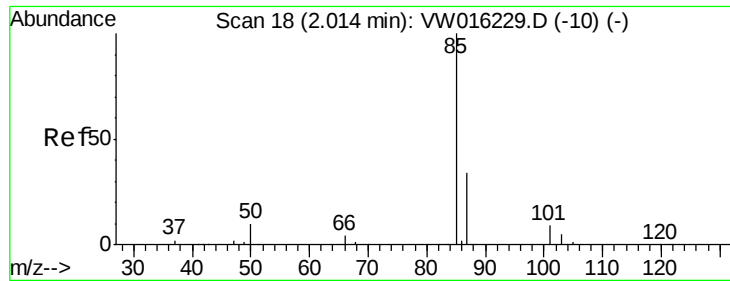
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081920\
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 13:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59105	23.939	ug/L	85
25) Chloroform	7.68	83	222579	23.188	ug/L	100
27) 1,2-Dichloroethane	8.40	62	132049	20.652	ug/L	99
30) Cyclohexane	7.96	56	185527	24.365	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	198330	24.663	ug/L	98
32) Carbon tetrachloride	8.07	117	186293	24.494	ug/L	99
34) Benzene	8.32	78	494849	24.521	ug/L	100
35) Trichloroethene	9.09	95	130903	24.123	ug/L	96
36) Methylcyclohexane	9.34	83	228924	25.609	ug/L	96
40) 1,2-Dichloropropane	9.37	63	115756	23.357	ug/L	99
41) Bromodichloromethane	9.65	83	158294	23.251	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	181041	23.987	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	114955	38.565	ug/L	96
44) Toluene	10.39	91	539347	25.317	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	155884	22.992	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	89106	22.841	ug/L	99
47) Tetrachloroethene	10.87	164	107797	26.498	ug/L	93
49) 2-Hexanone	10.97	43	79398	39.474	ug/L	96
50) Dibromochloromethane	11.13	129	108366	23.585	ug/L	98
51) 1,2-Dibromoethane	11.24	107	84236	22.777	ug/L	96
52) Chlorobenzene	11.66	112	348532	24.727	ug/L	95
53) Ethylbenzene	11.73	91	607562	25.137	ug/L	98
54) m,p-Xylene	11.84	106	237895	26.165	ug/L	95
55) o-xylene	12.17	106	222023	25.925	ug/L	99
56) Styrene	12.18	104	383579	25.870	ug/L	98
57) Isopropylbenzene	12.47	105	610370	26.434	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	100039	21.978	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	73796	21.400	ug/L	100
62) Bromoform	12.35	173	57321	22.112	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	263155	24.304	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	268147	24.310	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	233405	23.511	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	15494	17.799	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.63	180	178456	26.120	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	141840	25.615	ug/L	99
69) Naphthalene	15.37	128	271416	23.221	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	124759	24.799	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 25.151 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

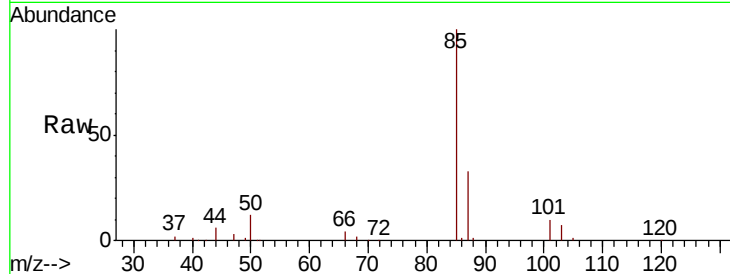
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 95969

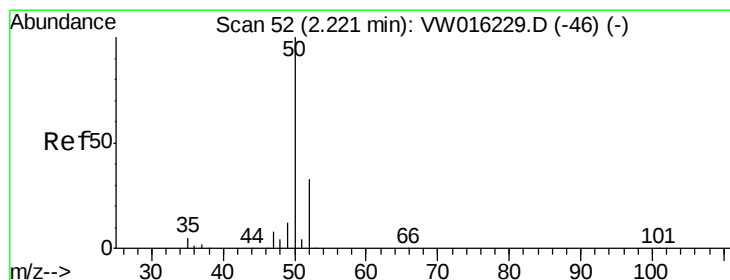
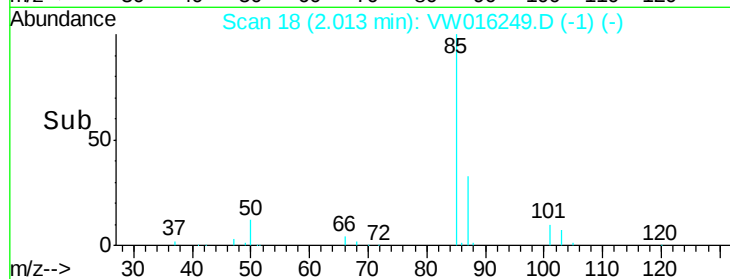
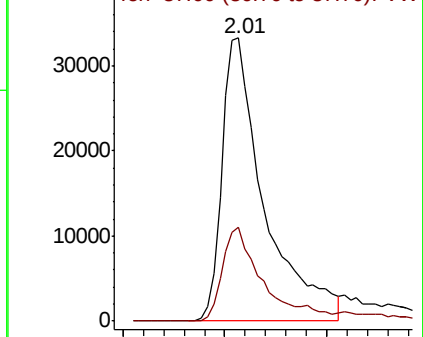
Ion Ratio Lower Upper

85 100

87 28.8 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.048 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016249.D

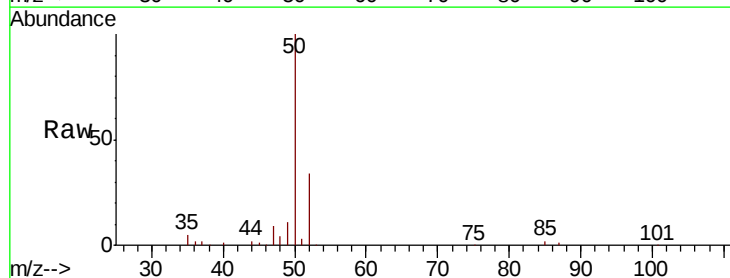
Acq: 19 Aug 2020 10:16

Tgt Ion: 50 Resp: 79757

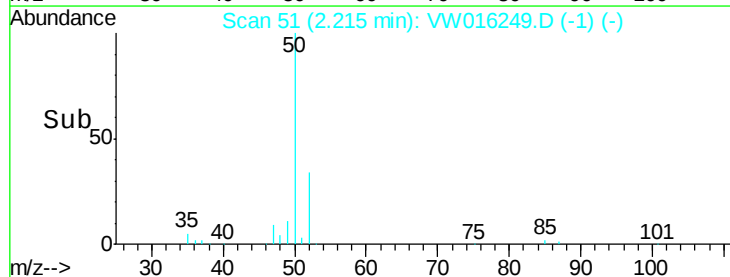
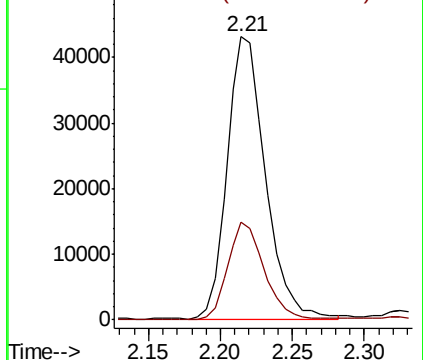
Ion Ratio Lower Upper

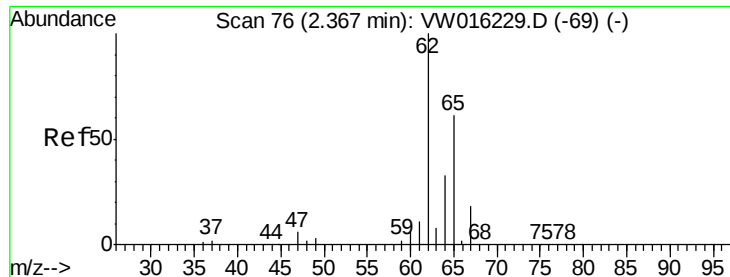
50 100

52 34.4 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.909 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

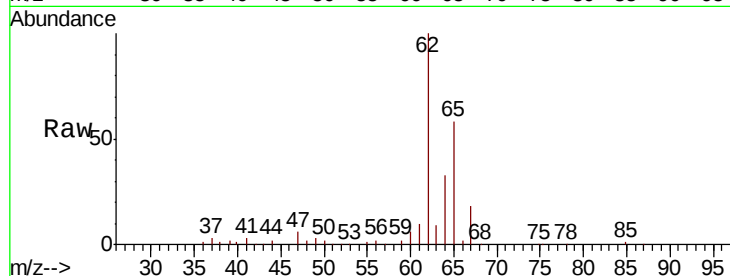
ClientSampled :

Tot Ion: 62 Resp: 115209

Ion Ratio Lower Upper

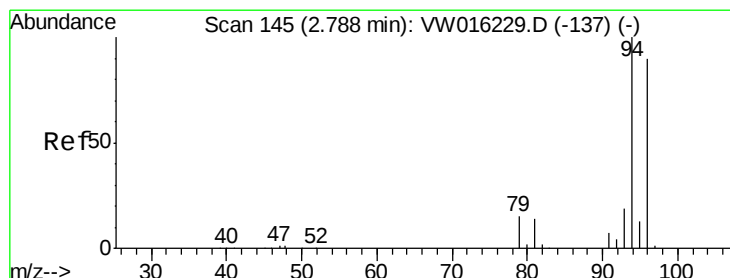
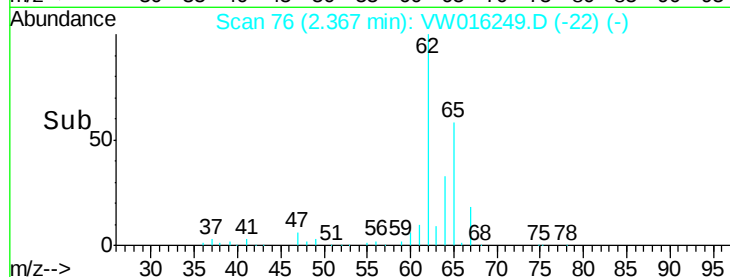
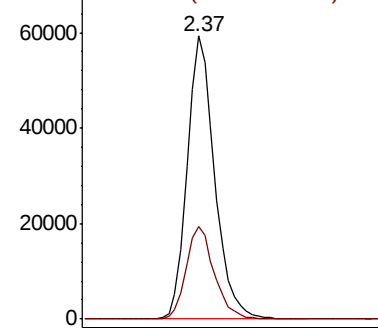
62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.755 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016249.D

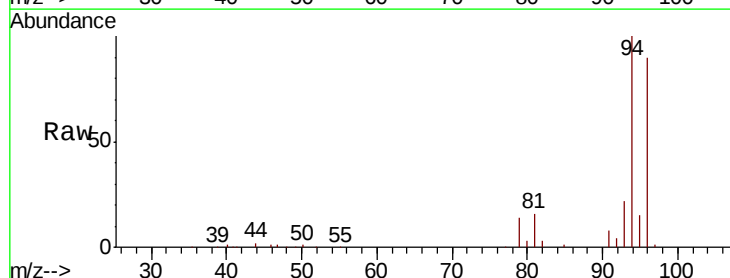
Acq: 19 Aug 2020 10:16

Tgt Ion: 94 Resp: 71670

Ion Ratio Lower Upper

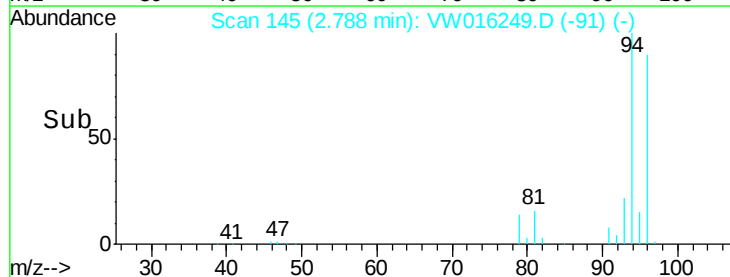
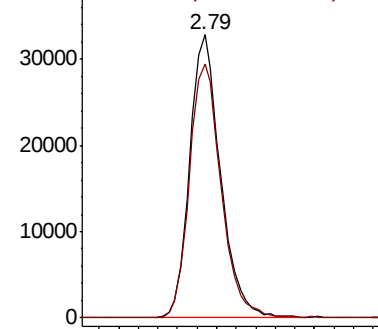
94 100

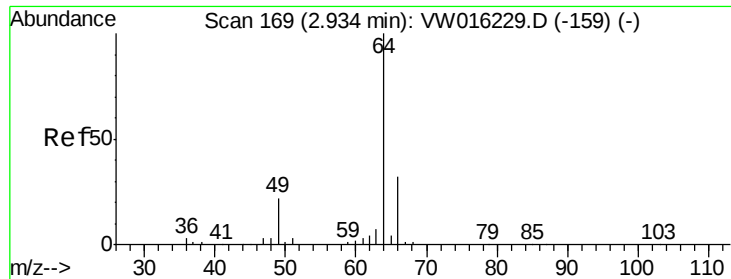
96 92.4 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 22.932 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

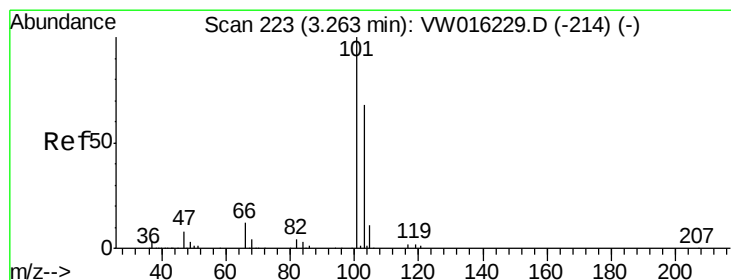
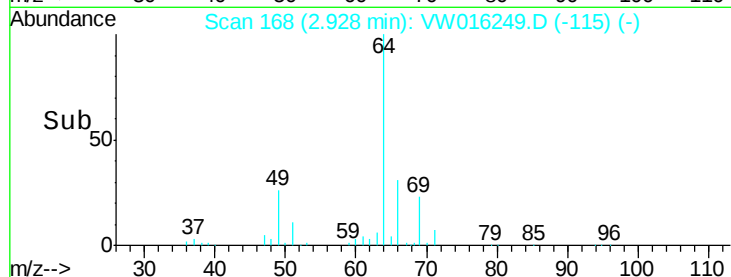
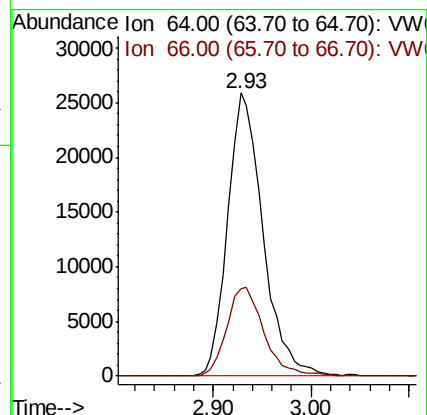
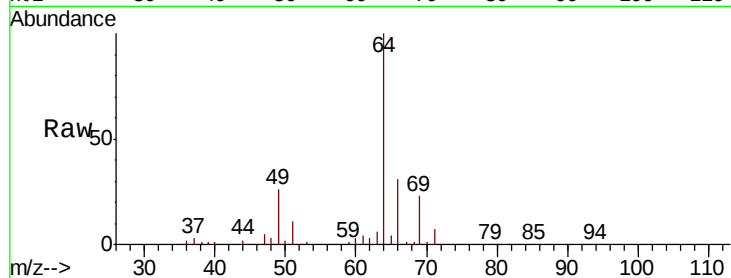
ClientSampleId :

Tot Ion: 64 Resp: 64940

Ion Ratio Lower Upper

64 100

66 31.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 28.526 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016249.D

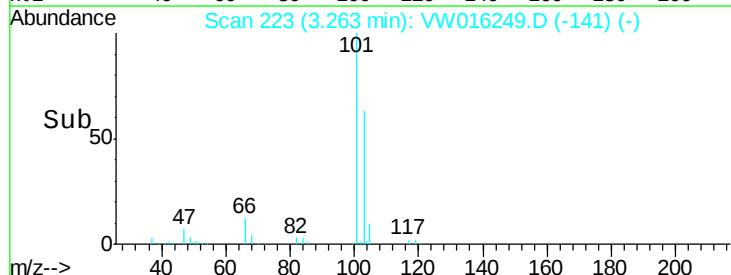
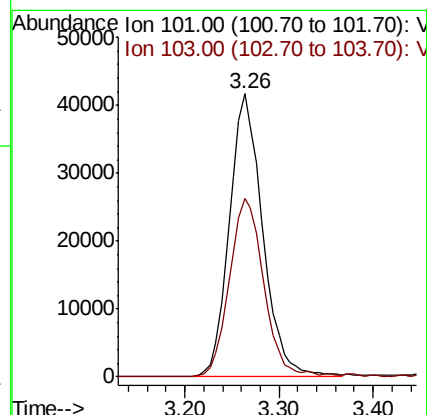
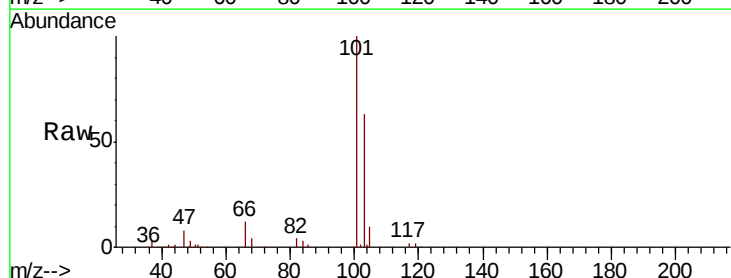
Acq: 19 Aug 2020 10:16

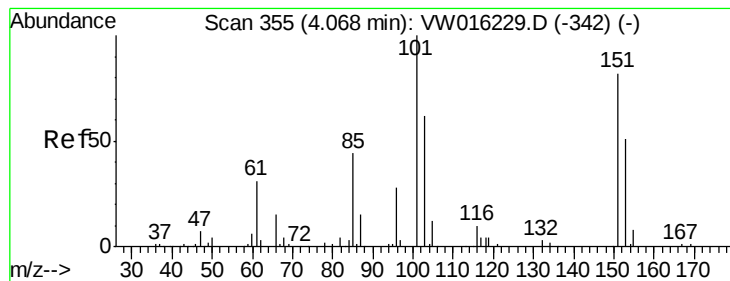
Tgt Ion: 101 Resp: 102400

Ion Ratio Lower Upper

101 100

103 64.1 45.6 84.6





#11

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

Concen: 25.209 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

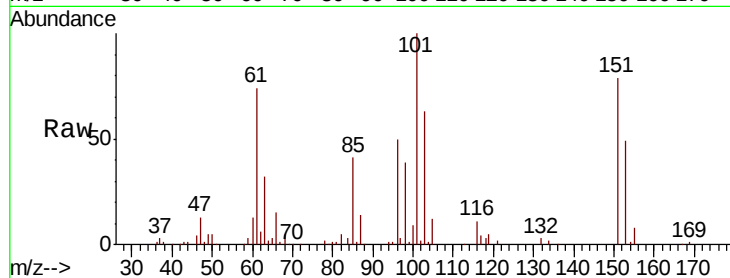
Tot Ion:101 Resp: 127885

Ion Ratio Lower Upper

101 100

85 40.7 34.2 51.4

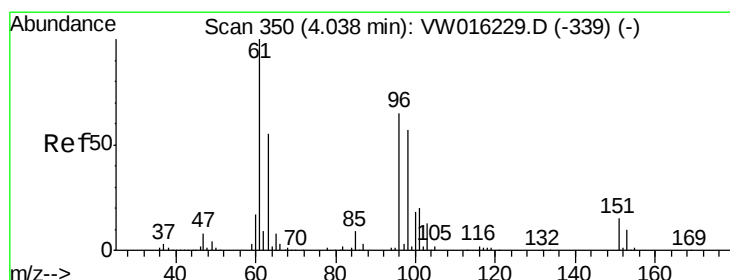
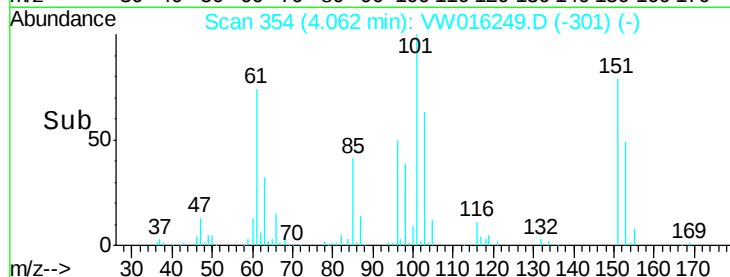
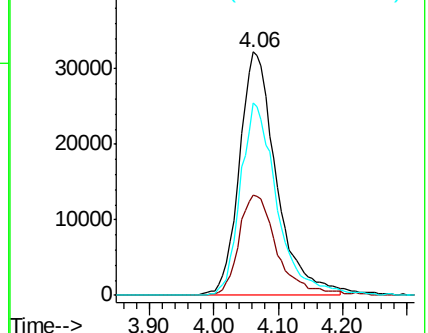
151 77.9 57.4 86.2



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: 25.199 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

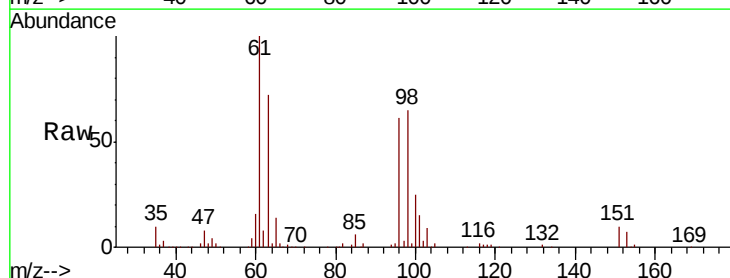
Tgt Ion: 96 Resp: 122160

Ion Ratio Lower Upper

96 100

61 162.6 120.2 223.2

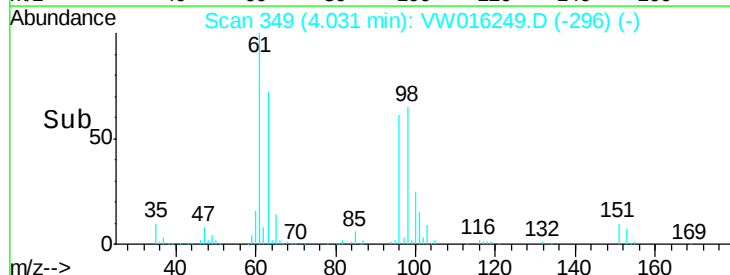
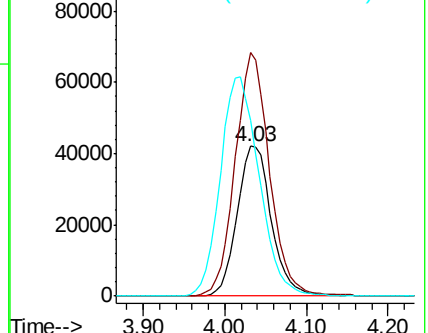
63 117.2 86.4 160.4

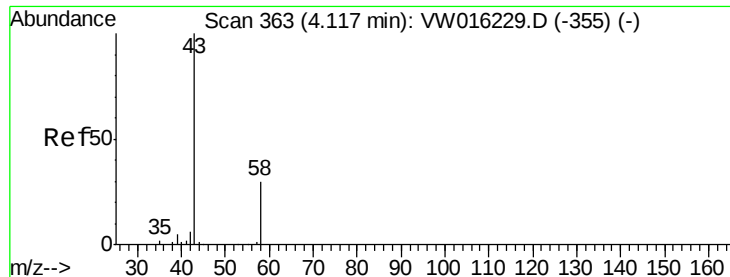


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.576 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

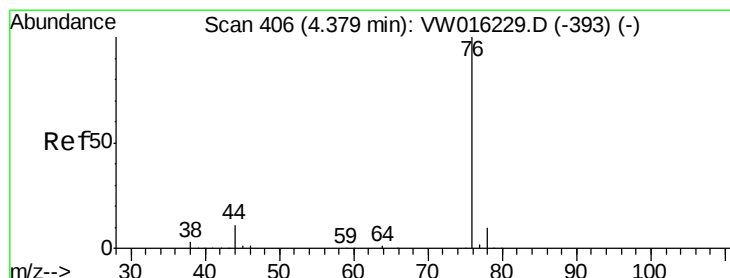
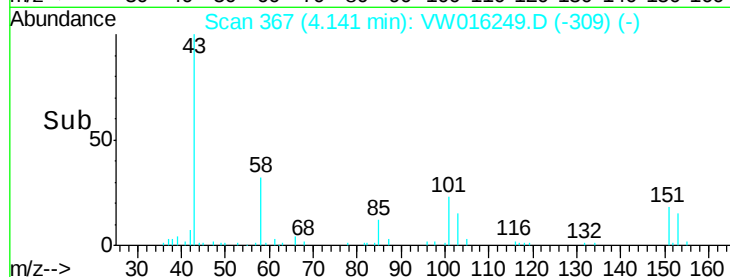
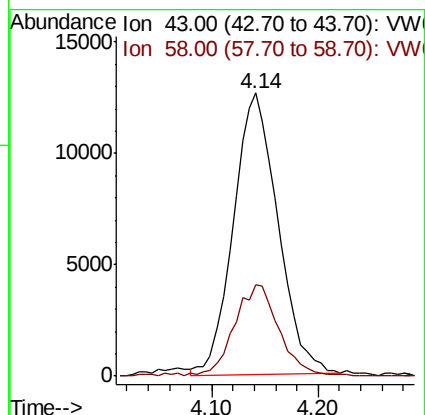
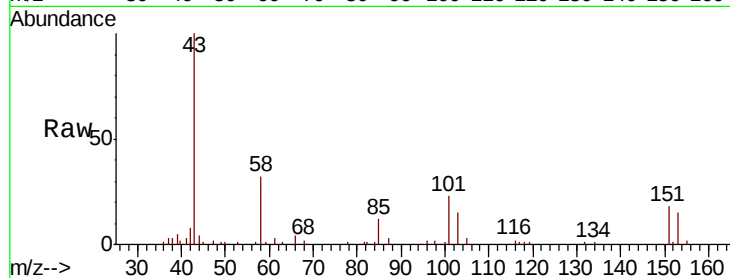
ClientSampleId :

Tot Ion: 43 Resp: 36892

Ion Ratio Lower Upper

43 100

58 32.6 0.0 59.4



#14

Carbon disulfide

Concen: 24.582 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016249.D

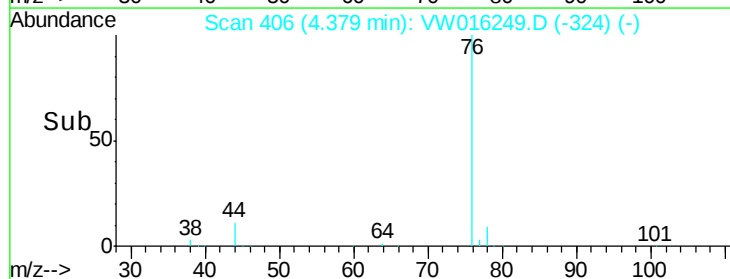
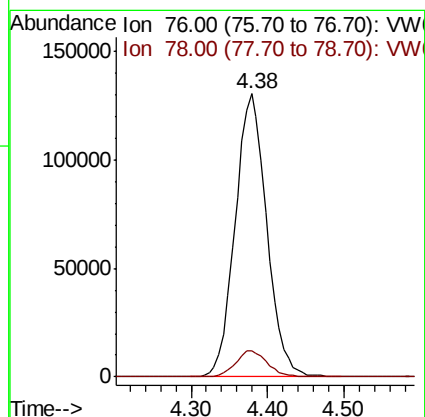
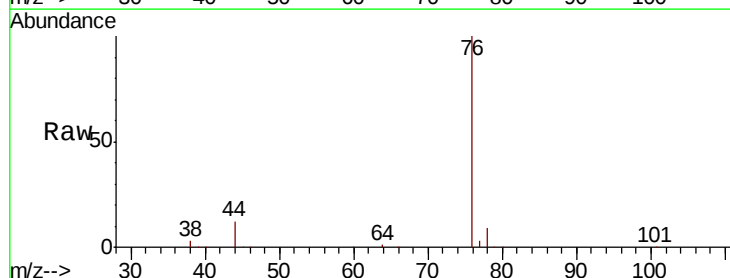
Acq: 19 Aug 2020 10:16

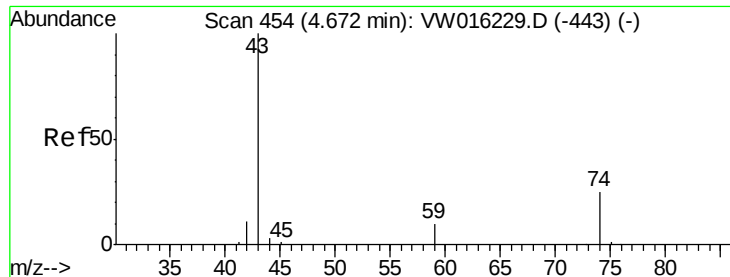
Tgt Ion: 76 Resp: 374061

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

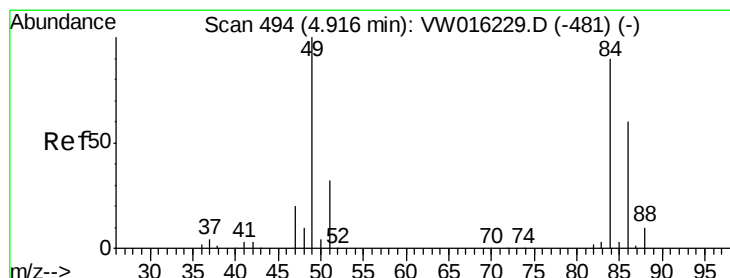
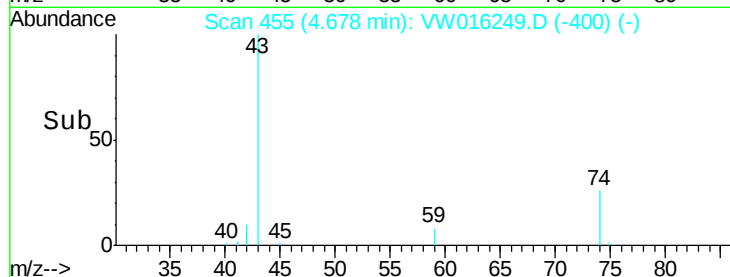
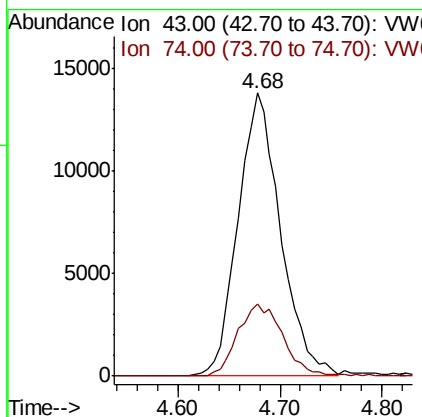
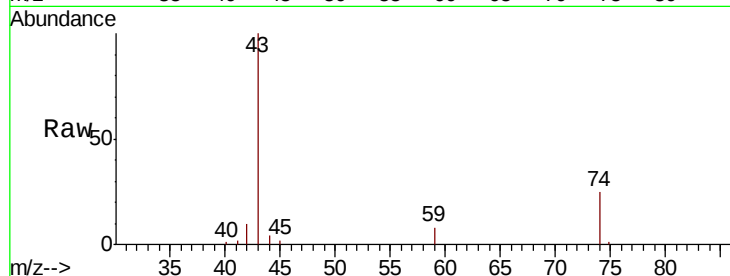




#15
Methyl Acetate
Concen: 18.206 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

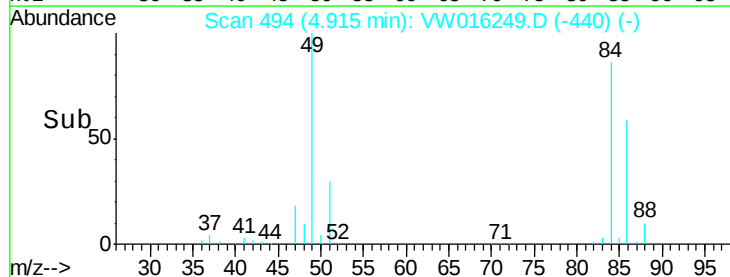
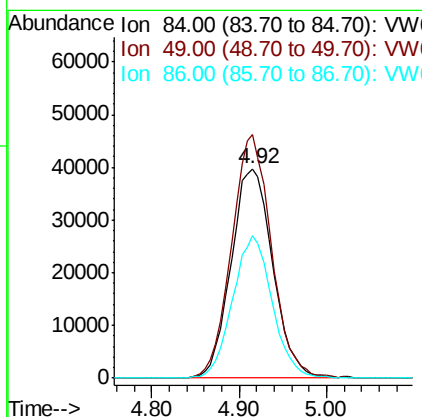
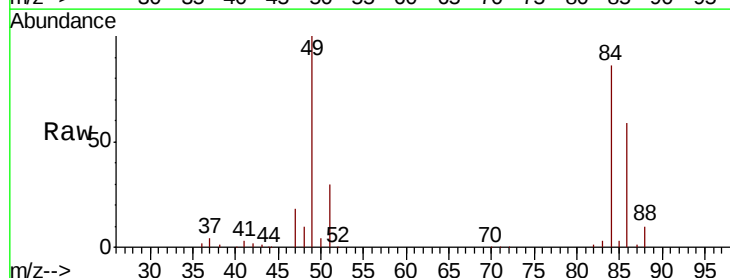
Instrument :
MSVOA_W
ClientSampled :

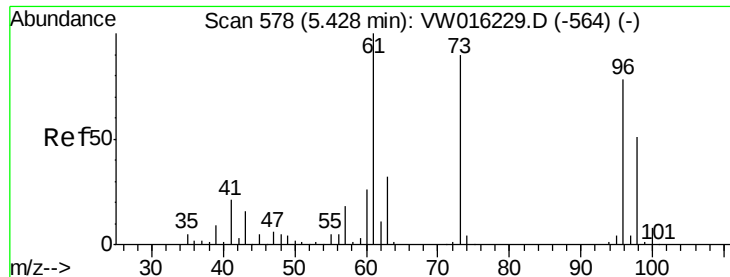
Tot Ion: 43 Resp: 39905
Ion Ratio Lower Upper
43 100
74 26.8 18.9 28.3



#16
Methylene chloride
Concen: 22.024 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Tgt Ion: 84 Resp: 131357
Ion Ratio Lower Upper
84 100
49 116.2 80.4 149.4
86 68.2 43.8 81.3

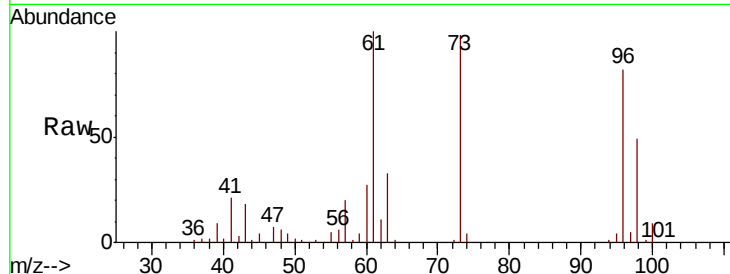




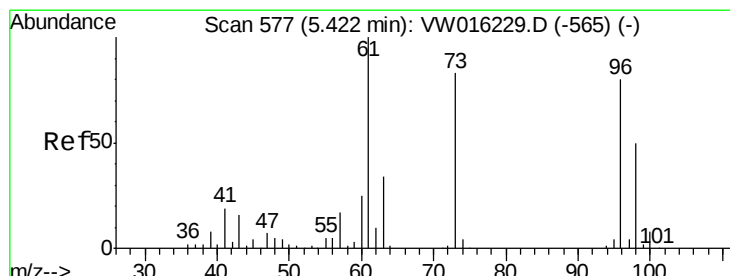
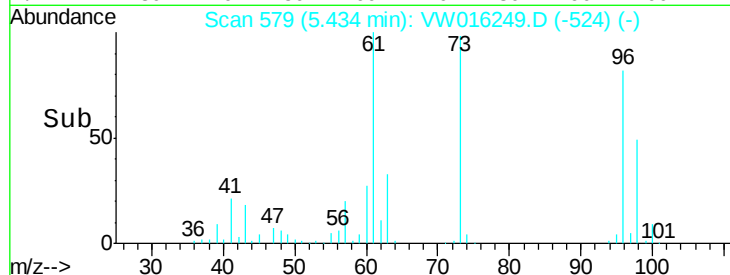
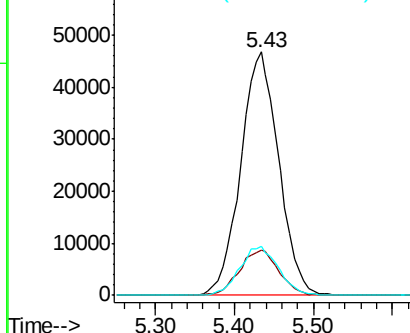
#17
Methvl tert-butvl Ether
Concen: 22.810 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 156701
Ion Ratio Lower Upper
73 100
43 19.2 16.6 24.8
57 20.3 17.1 25.7

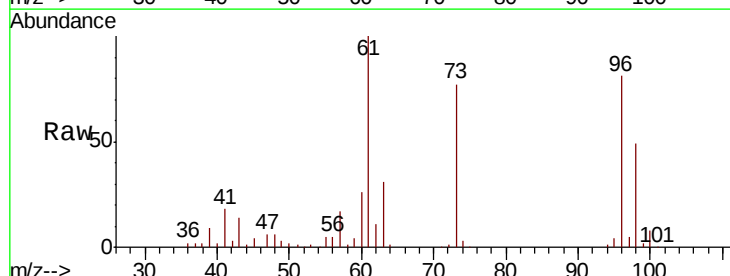


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

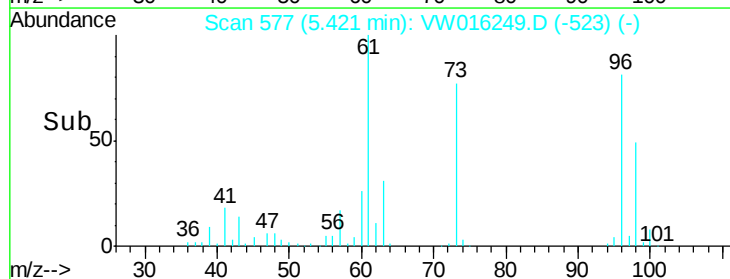
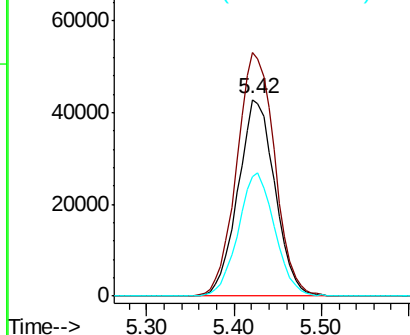


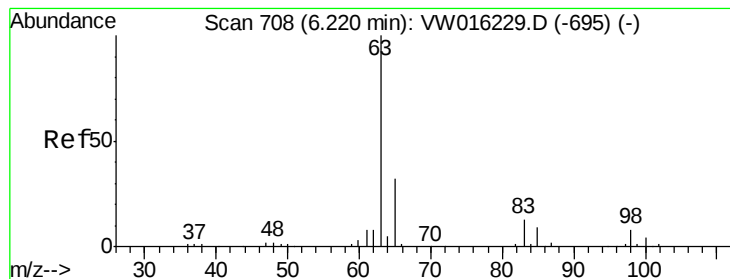
#18
trans-1,2-Dichloroethene
Concen: 24.703 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Tgt Ion: 96 Resp: 125969
Ion Ratio Lower Upper
96 100
61 123.8 101.6 188.8
98 61.0 47.7 88.7



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: 23.043 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

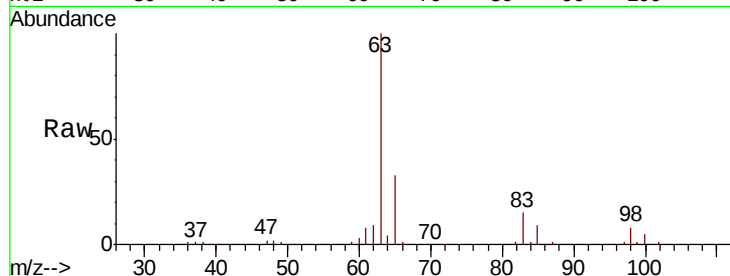
Tot Ion: 63 Resp: 207902

Ion Ratio Lower Upper

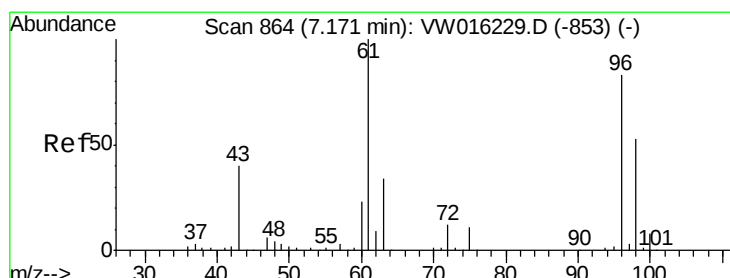
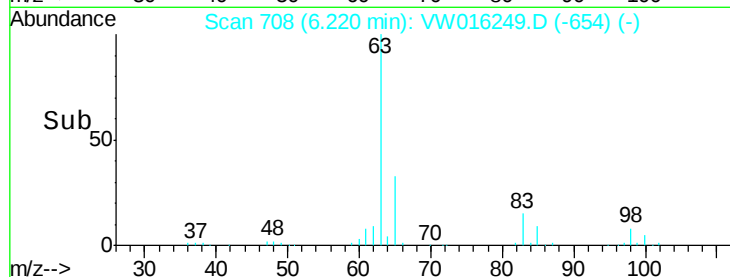
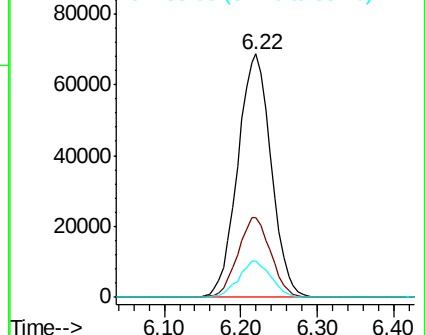
63 100

65 32.5 21.6 40.0

83 14.7 9.8 18.2



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: 36.027 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016249.D

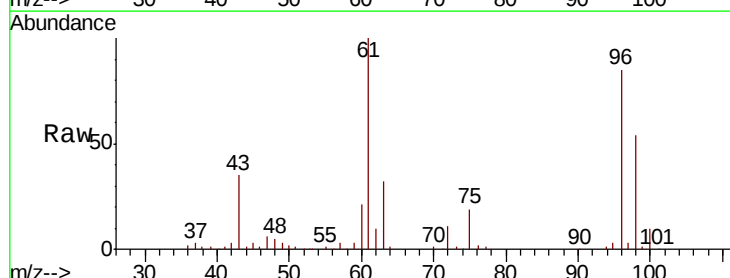
Acq: 19 Aug 2020 10:16

Tgt Ion: 43 Resp: 53226

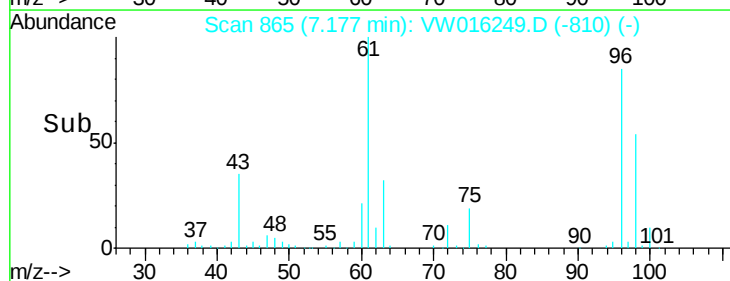
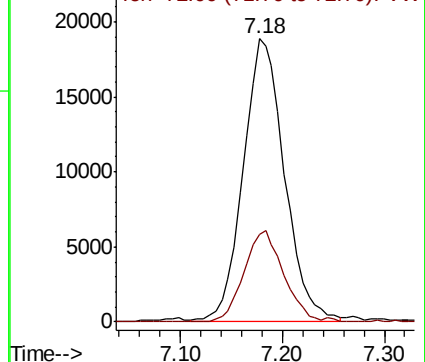
Ion Ratio Lower Upper

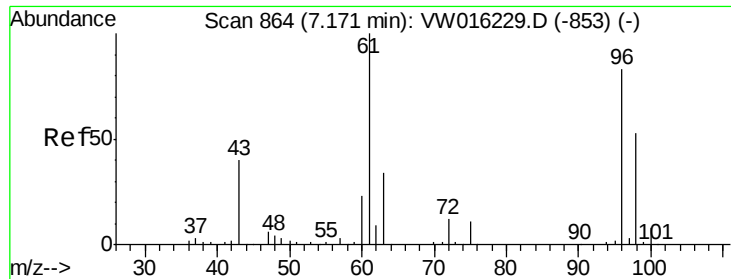
43 100

72 30.6 13.9 41.7



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

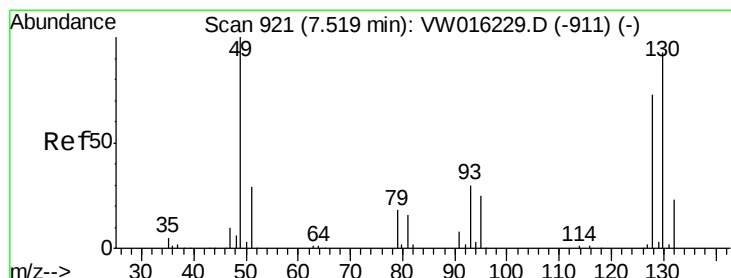
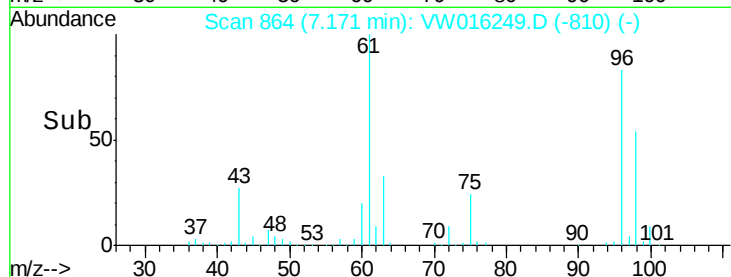
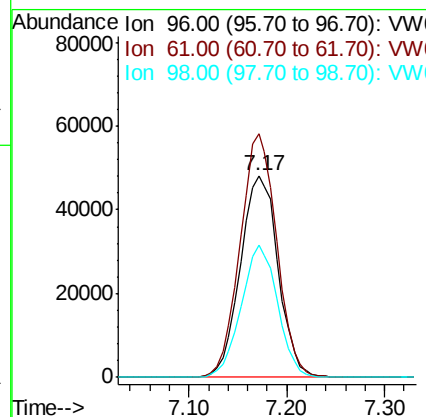
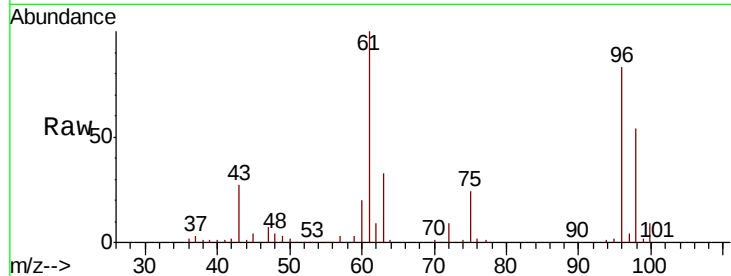




#22
 cis-1,2-Dichloroethene
 Concen: 23.949 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

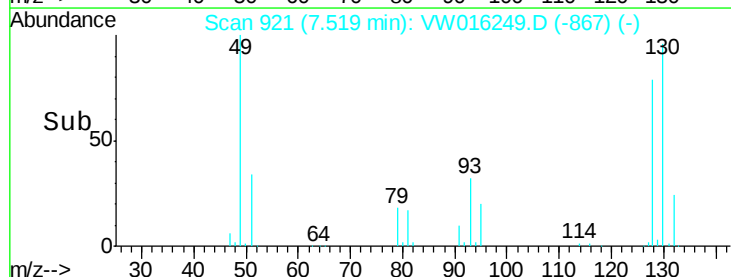
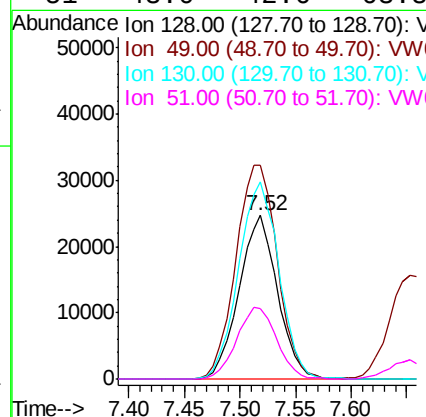
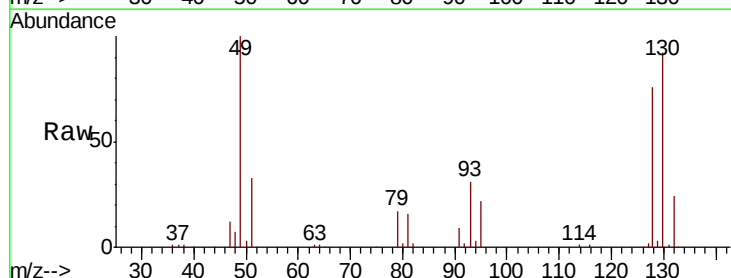
Instrument :
 MSVOA_W
 ClientSampleId :

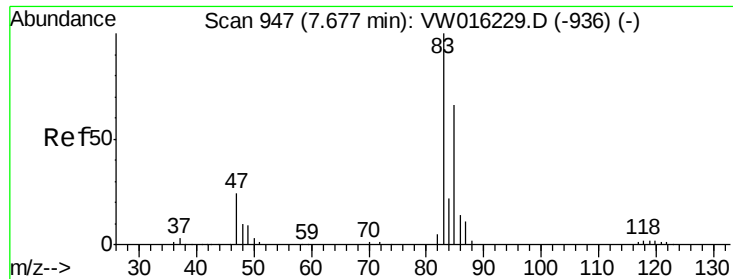
Tot Ion: 96 Resp: 128835
 Ion Ratio Lower Upper
 96 100
 61 120.7 87.0 161.6
 98 65.5 44.0 81.6



#23
 Bromochloromethane
 Concen: 23.939 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion:128 Resp: 59105
 Ion Ratio Lower Upper
 128 100
 49 130.8 111.8 207.6
 130 120.7 90.6 168.3
 51 43.0 42.6 63.8

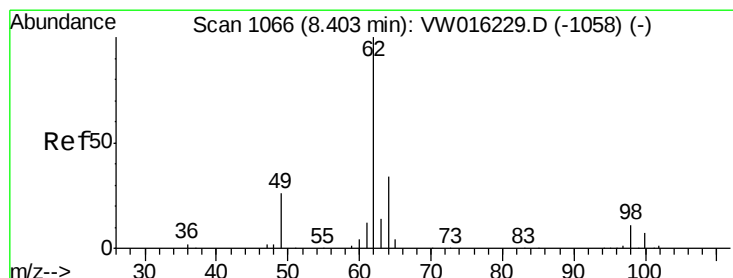
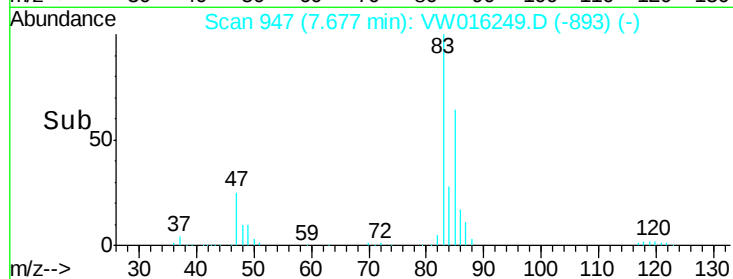
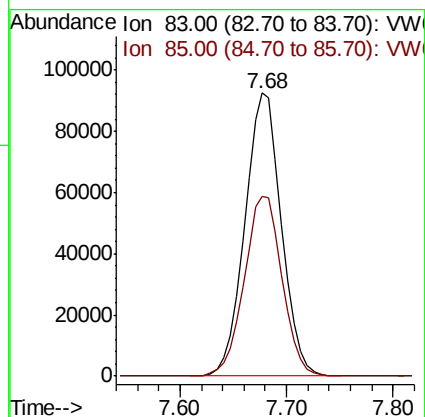
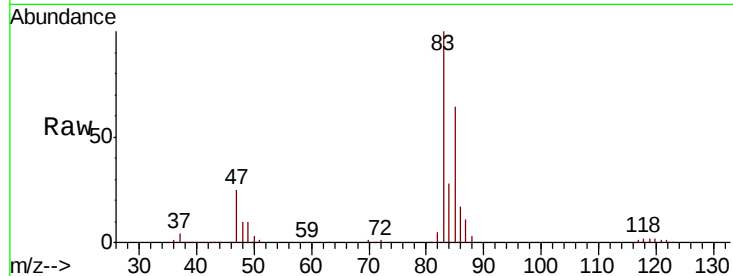




#25
Chloroform
Concen: 23.188 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

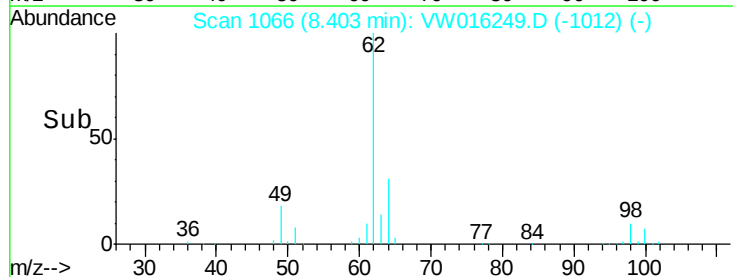
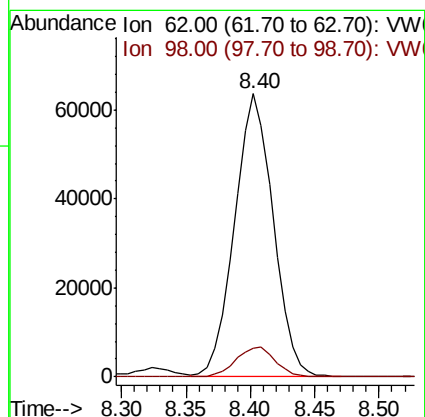
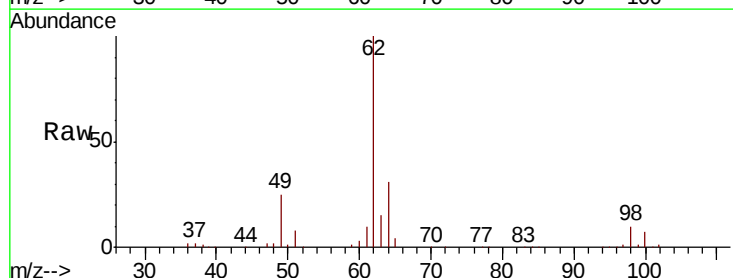
Instrument :
MSVOA_W
ClientSampleId :

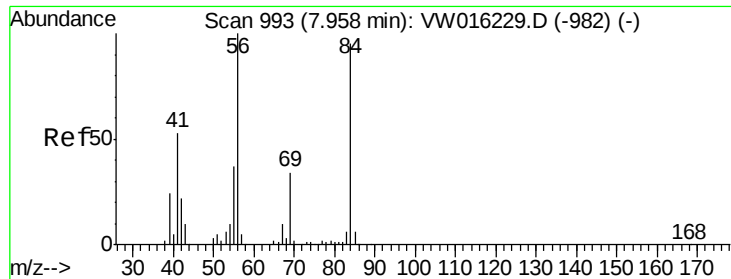
Tot Ion: 83 Resp: 222579
Ion Ratio Lower Upper
83 100
85 65.9 46.0 85.4



#27
1,2-Dichloroethane
Concen: 20.652 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Tgt Ion: 62 Resp: 132049
Ion Ratio Lower Upper
62 100
98 10.0 7.7 11.5

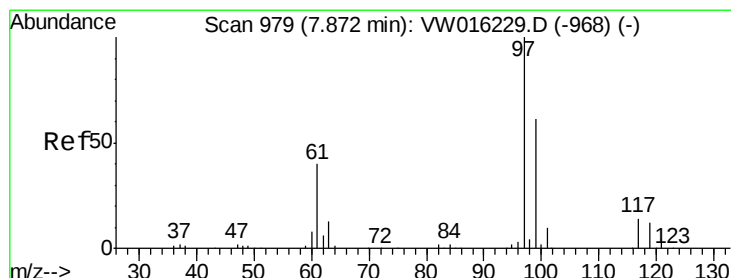
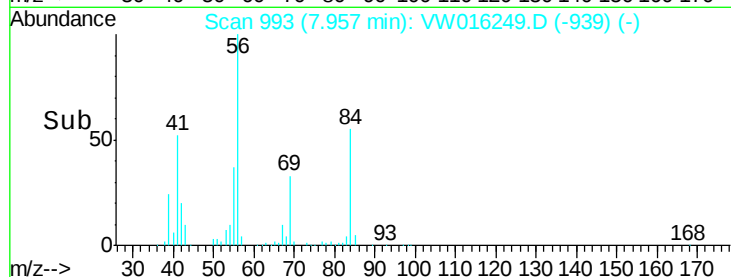
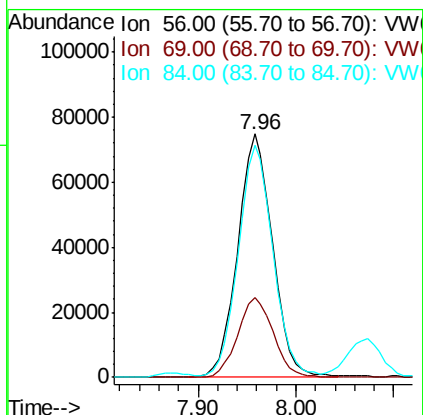
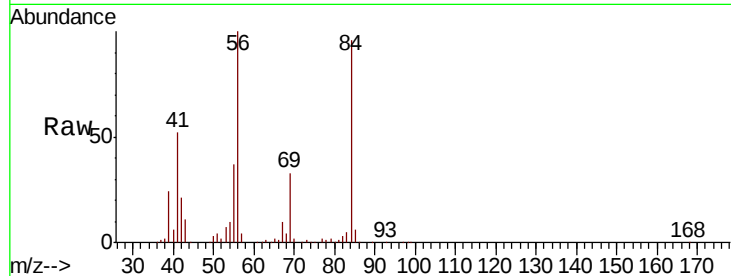




#30
Cyclohexane
Concen: 24.365 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

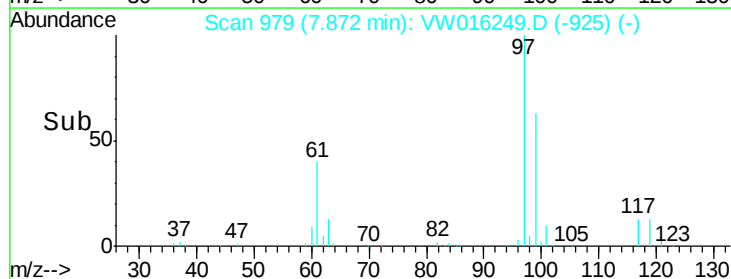
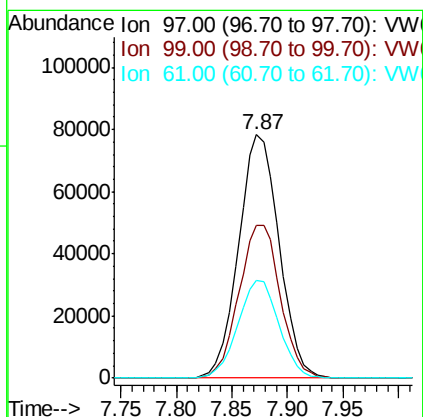
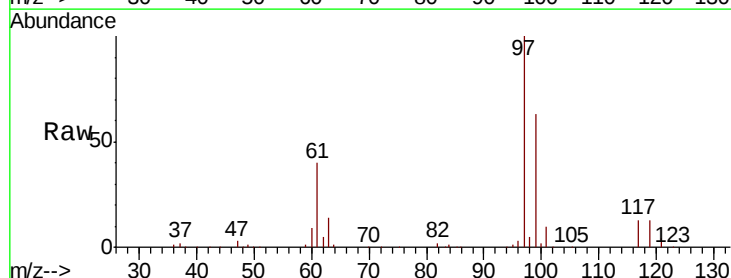
Instrument :
MSVOA_W
ClientSampled :

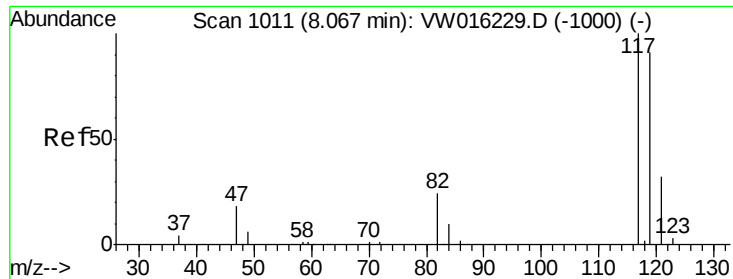
Tot Ion	56	Resp	185527
Ion Ratio	Lower	Upper	
56	100		
69	33.5	25.4	38.0
84	95.3	73.0	109.6



#31
1,1,1-Trichloroethane
Concen: 24.663 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Tgt Ion	97	Resp	198330
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.6	77.4
61	40.7	34.5	51.7





#32

Carbon tetrachloride

Concen: 24.494 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

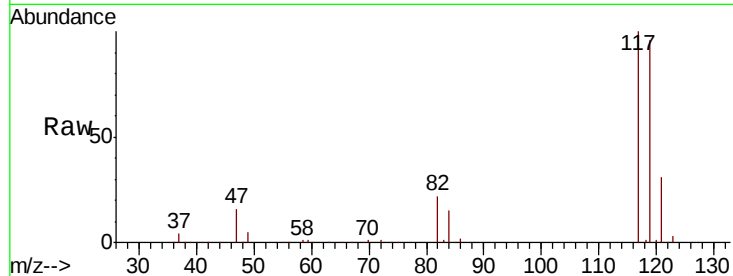
ClientSampleId :

Tot Ion:117 Resp: 186293

Ion Ratio Lower Upper

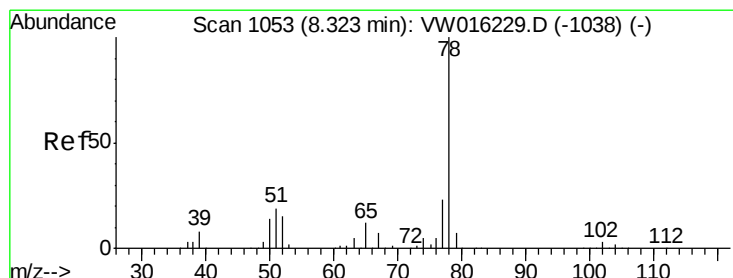
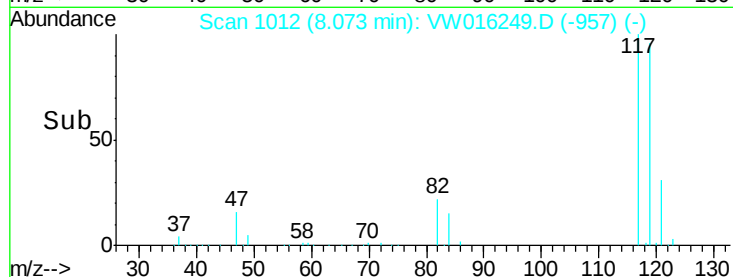
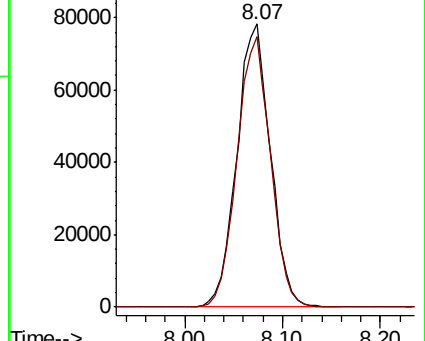
117 100

119 95.4 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.521 ug/L

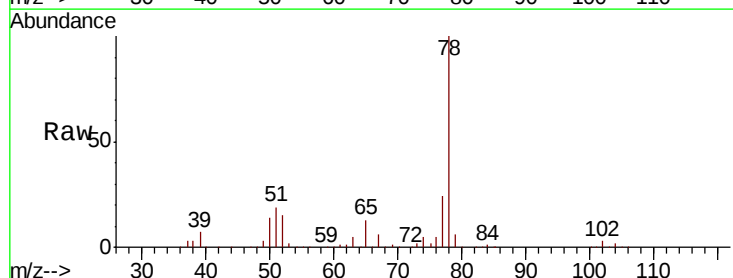
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

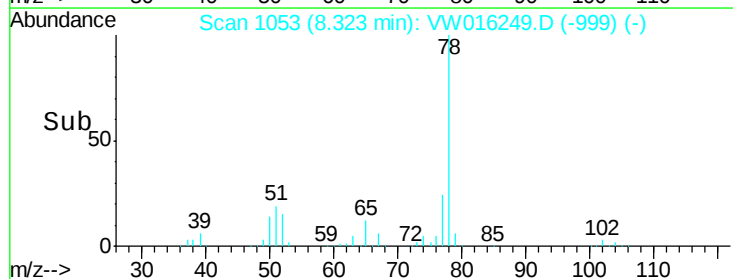
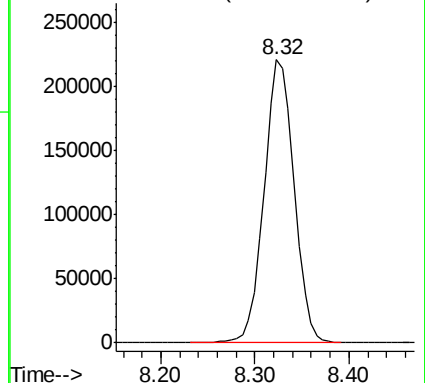
Lab File: VW016249.D

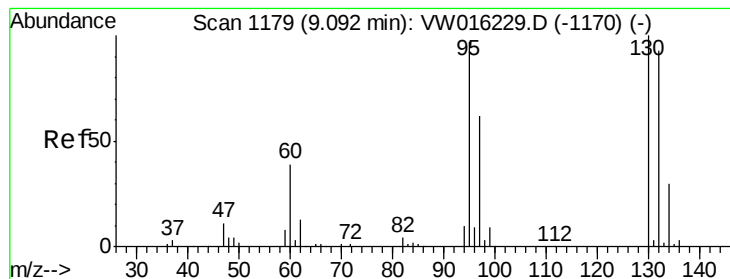
Acq: 19 Aug 2020 10:16

Tgt Ion: 78 Resp: 494849



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.123 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 95 Resp: 130903

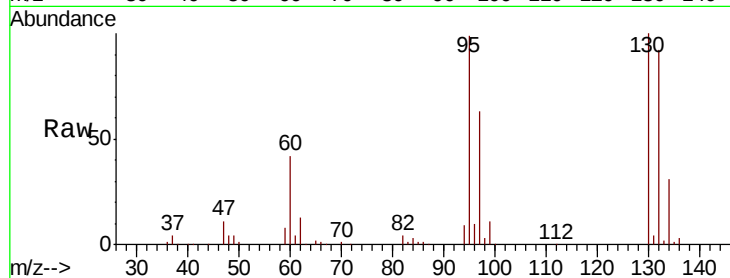
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.3

132 98.5 65.8 122.2

130 103.4 69.5 129.1

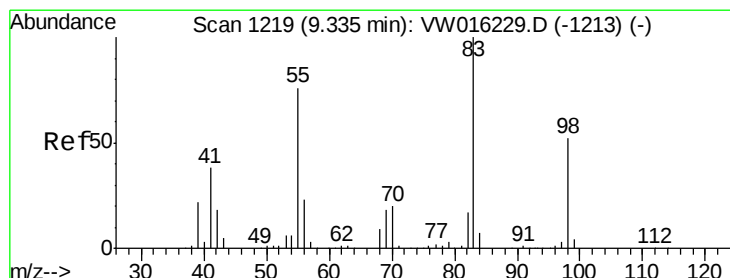
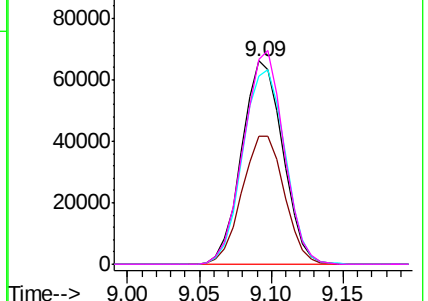
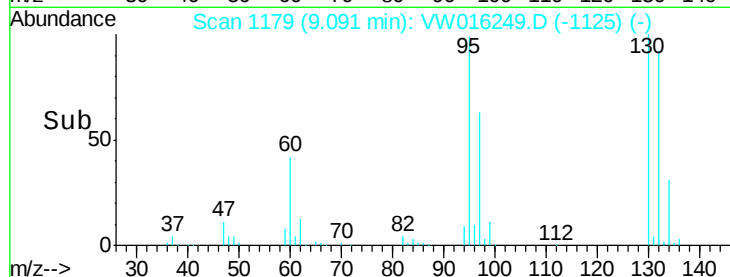


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.609 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

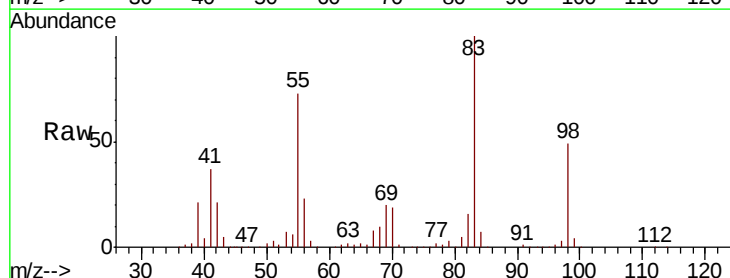
Tgt Ion: 83 Resp: 228924

Ion Ratio Lower Upper

83 100

55 71.6 60.7 91.1

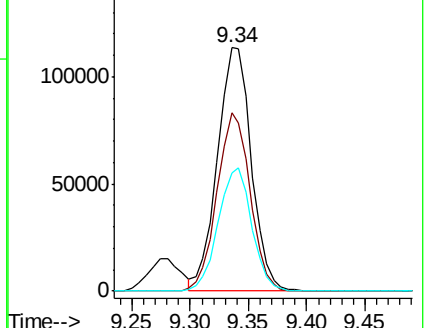
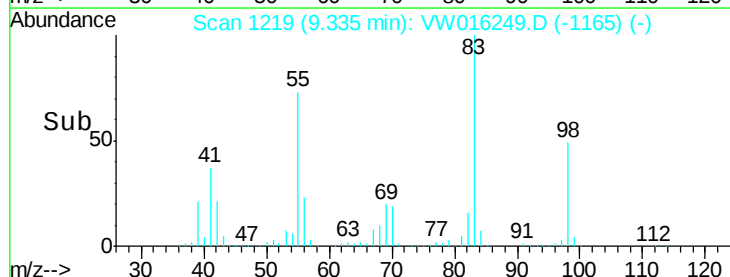
98 50.1 39.4 59.0

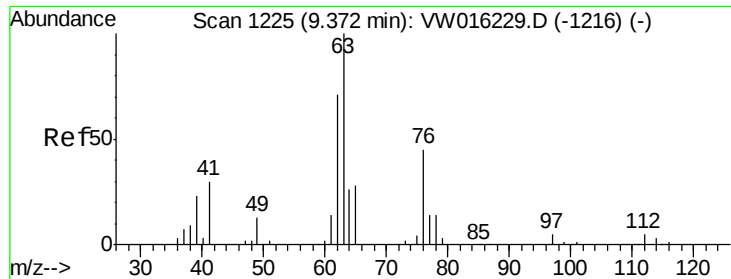


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

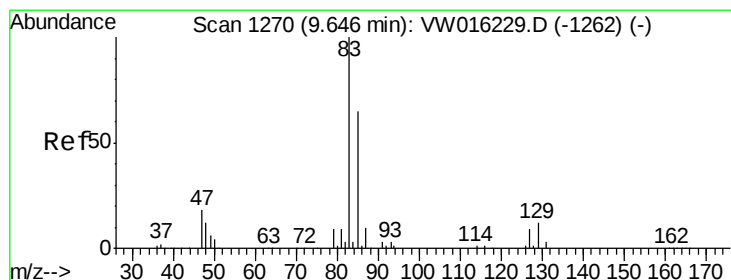
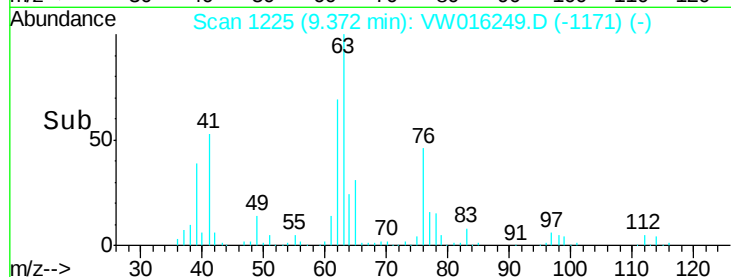
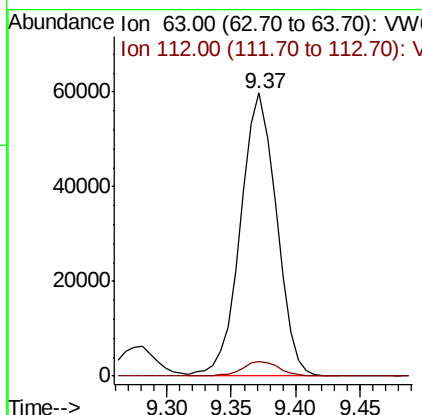
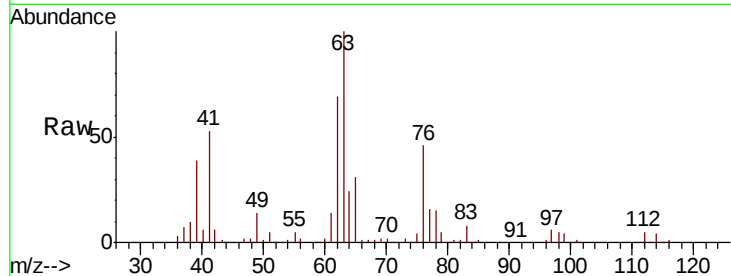




#40
 1,2-Dichloropropane
 Concen: 23.357 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

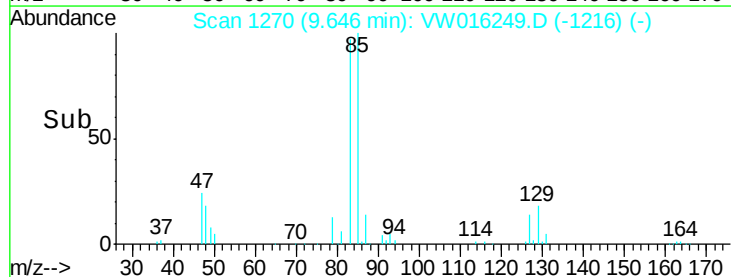
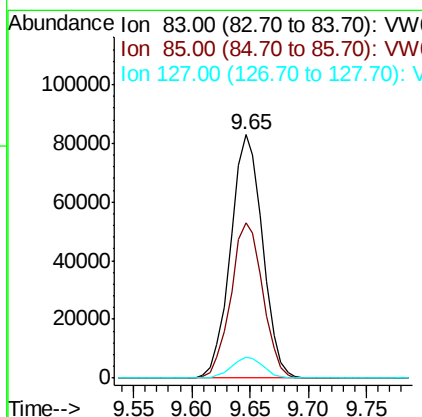
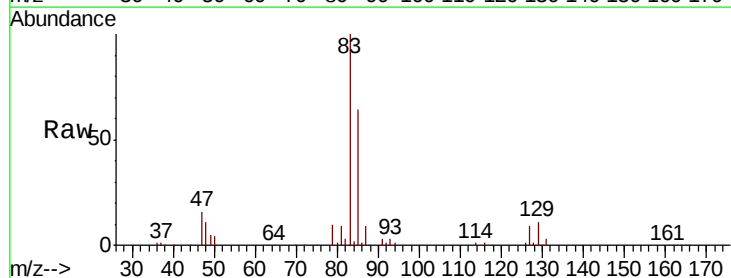
Instrument :
 MSVOA_W
 ClientSampled :

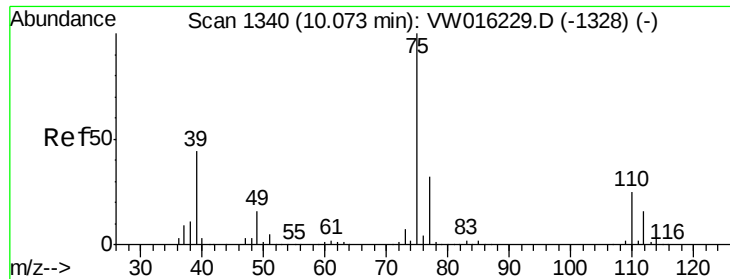
Tot Ion: 63 Resp: 115756
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.0 6.0



#41
 Bromodichloromethane
 Concen: 23.251 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion: 83 Resp: 158294
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.1 85.5
 127 8.7 7.2 10.8

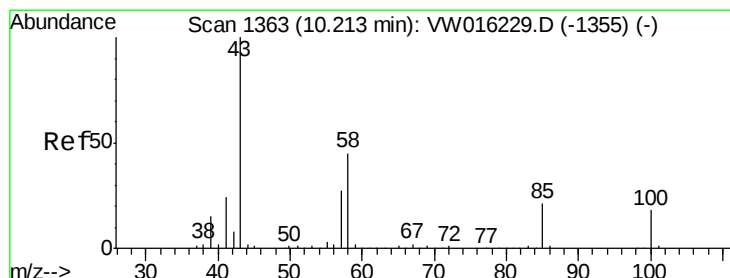
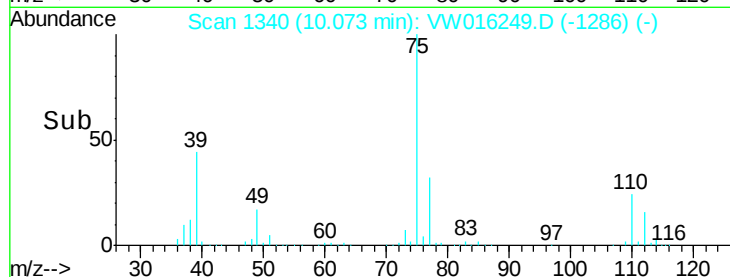
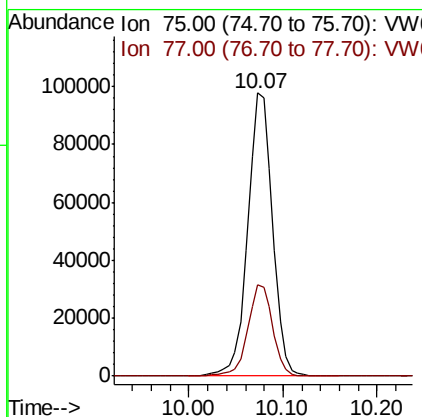
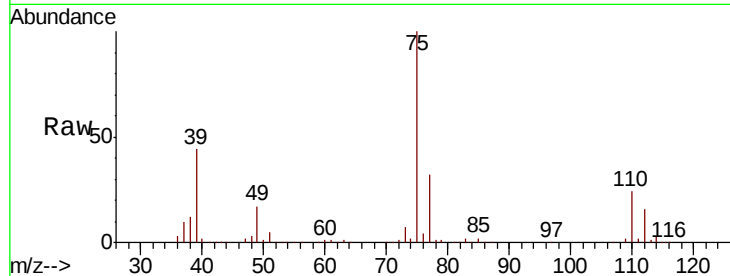




#42
 cis-1,3-Dichloropropene
 Concen: 23.987 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

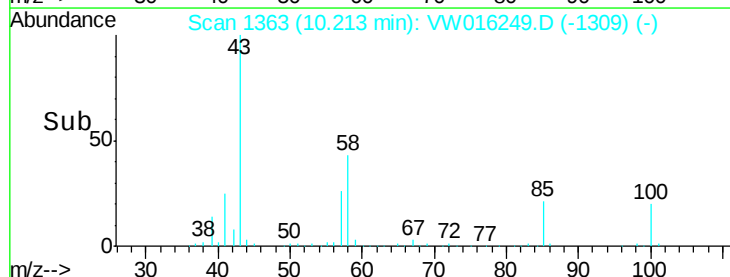
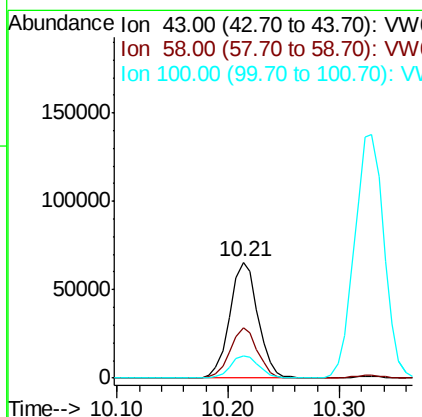
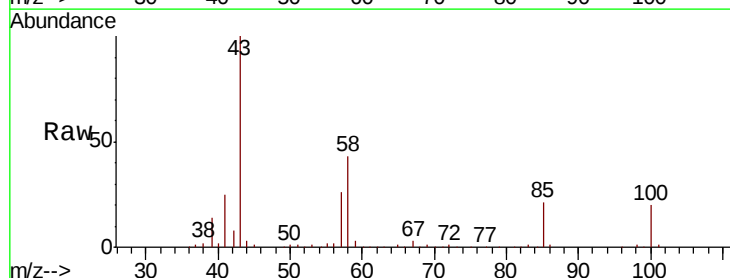
Instrument :
 MSVOA_W
 ClientSampled :

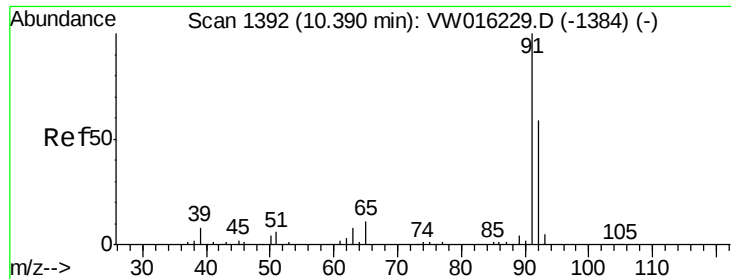
Tot Ion: 75 Resp: 181041
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 38.565 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion: 43 Resp: 114955
 Ion Ratio Lower Upper
 43 100
 58 42.4 32.1 48.1
 100 19.5 13.8 20.8





#44

Toluene

Concen: 25.317 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

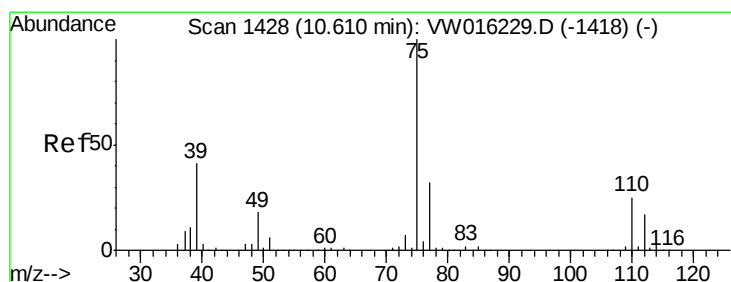
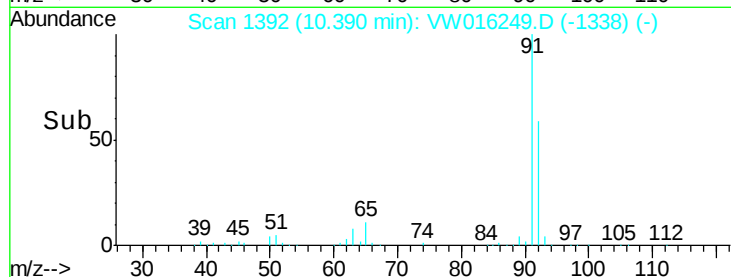
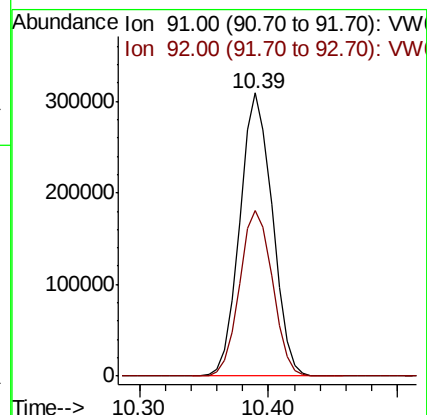
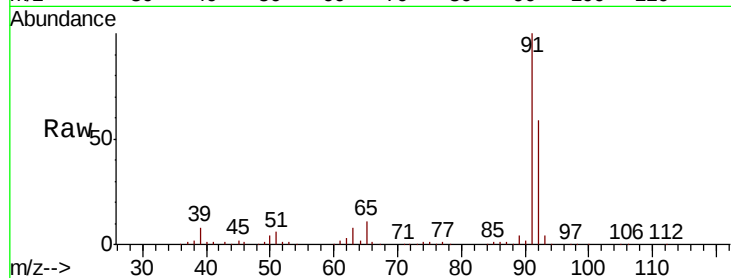
ClientSampleId :

Tot Ion: 91 Resp: 539347

Ion Ratio Lower Upper

91 100

92 58.6 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 22.992 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016249.D

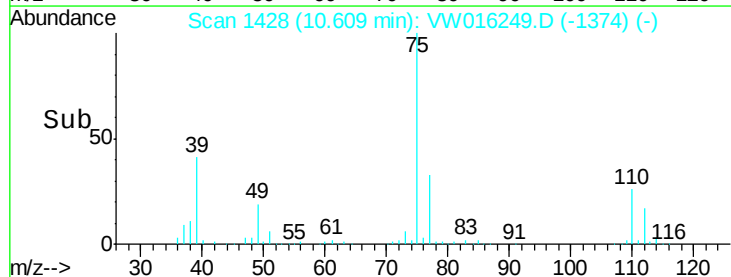
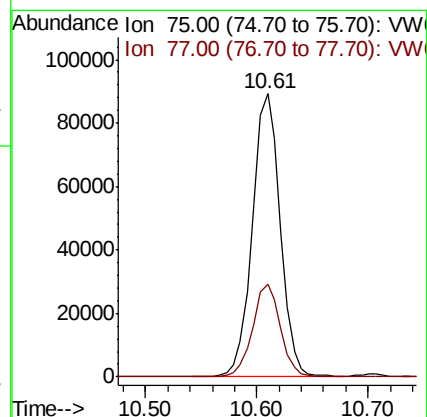
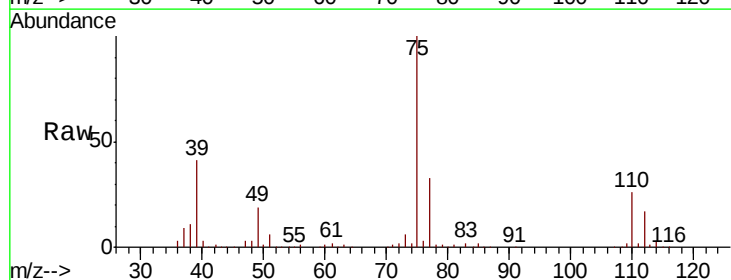
Acq: 19 Aug 2020 10:16

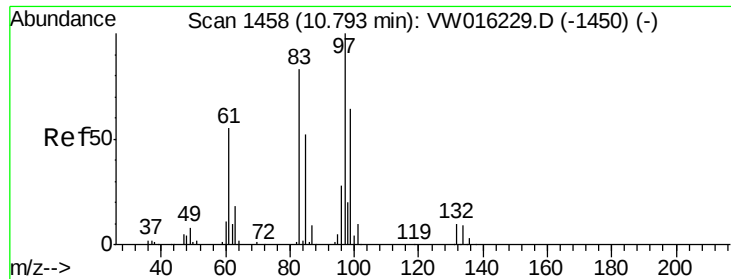
Tgt Ion: 75 Resp: 155884

Ion Ratio Lower Upper

75 100

77 32.9 22.7 42.1

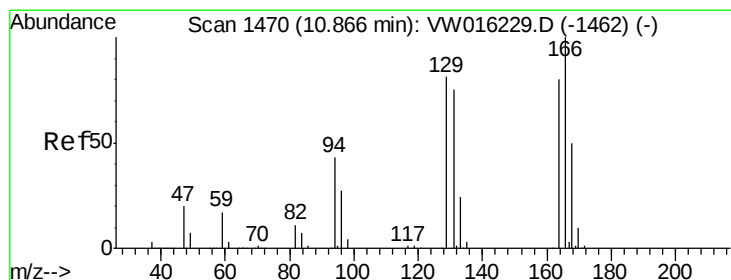
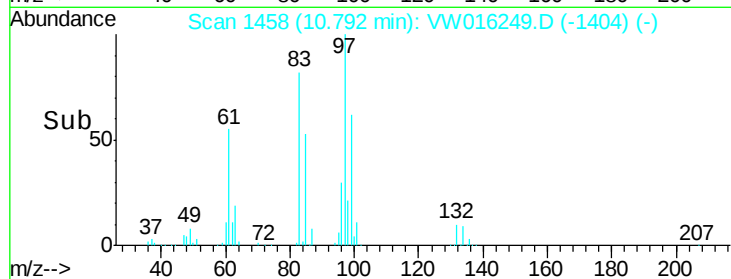
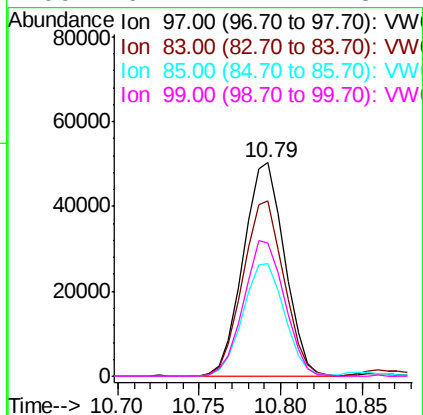
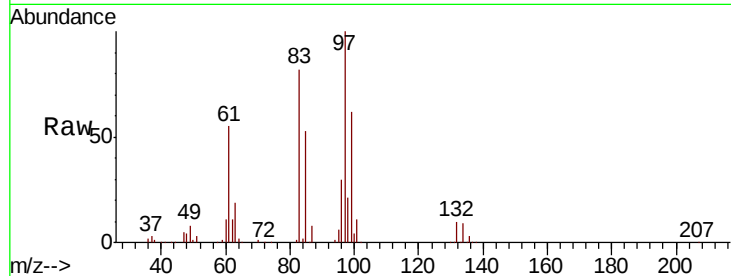




#46
 1,1,2-Trichloroethane
 Concen: 22.841 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

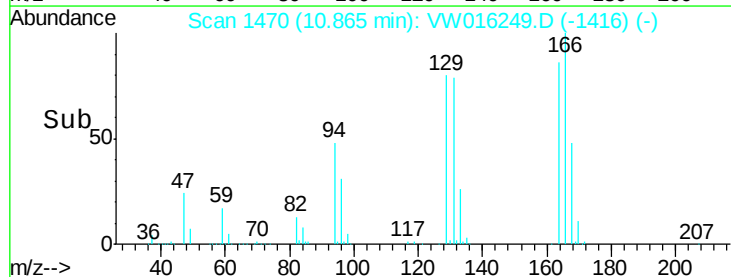
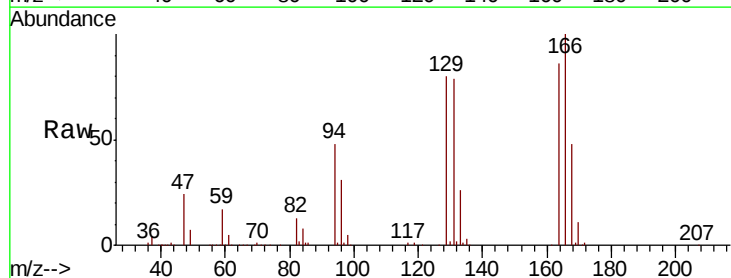
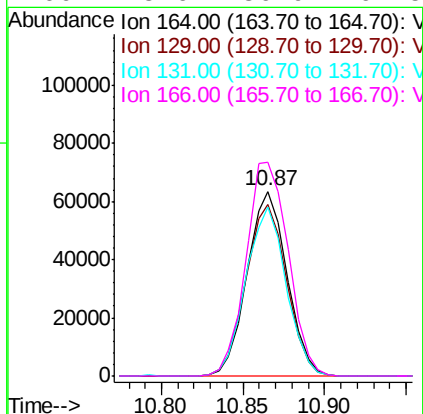
Instrument :
 MSVOA_W
 ClientSampleId :

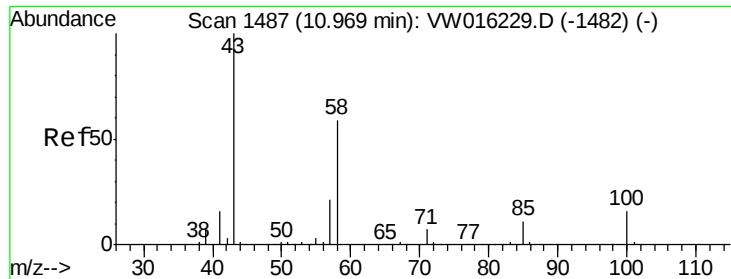
Tot Ion:	97	Resp:	89106
Ion	Ratio	Lower	Upper
97	100		
83	81.9	57.8	107.4
85	52.6	38.0	70.6
99	62.4	44.4	82.4



#47
 Tetrachloroethene
 Concen: 26.498 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion:	164	Resp:	107797
Ion	Ratio	Lower	Upper
164	100		
129	92.7	71.5	132.9
131	91.4	65.4	121.4
166	115.6	86.9	161.5





#49

2-Hexanone

Concen: 39.474 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 79398

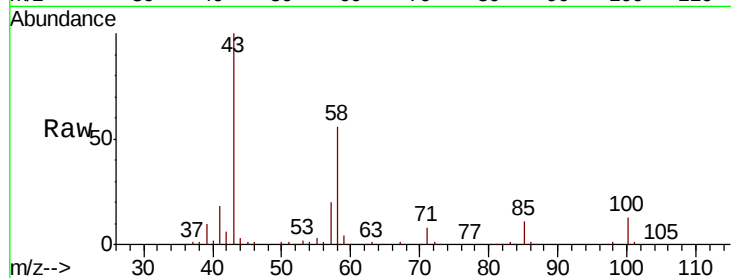
Ion Ratio Lower Upper

43 100

58 59.3 44.2 66.2

57 20.2 15.8 23.6

100 14.7 10.8 16.2

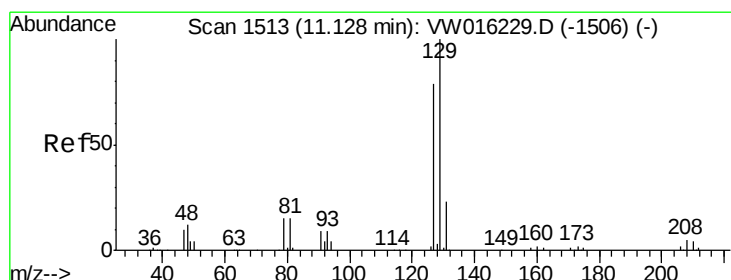
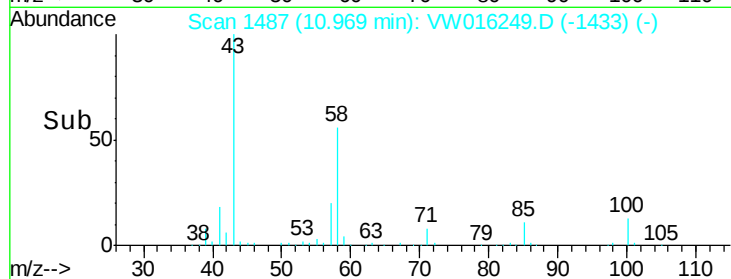
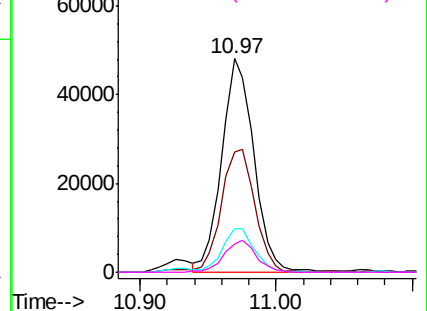


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.585 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016249.D

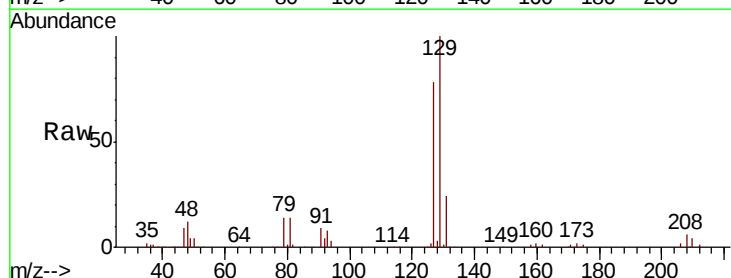
Acq: 19 Aug 2020 10:16

Tgt Ion:129 Resp: 108366

Ion Ratio Lower Upper

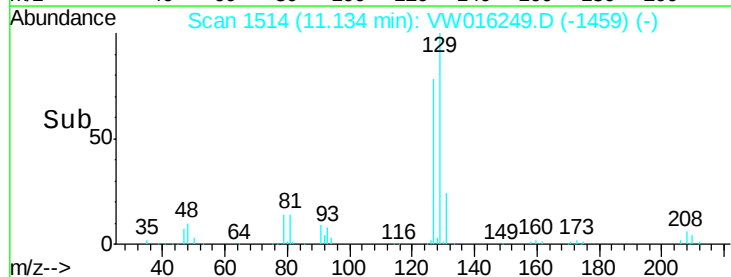
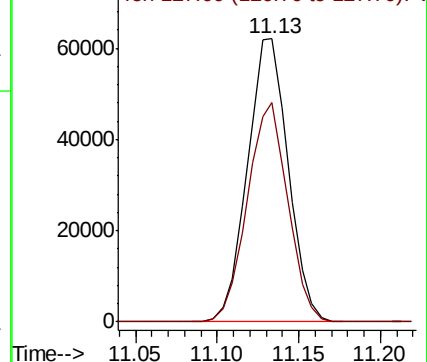
129 100

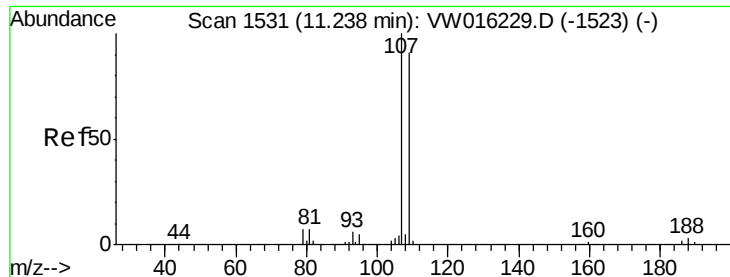
127 77.7 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

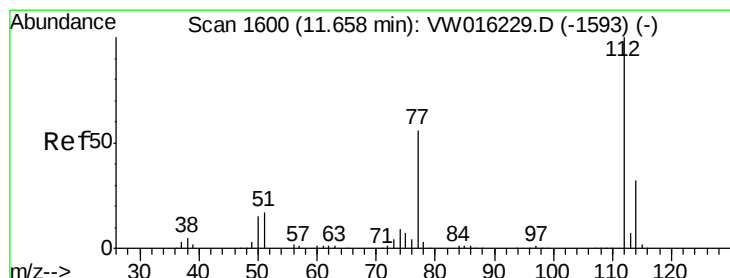
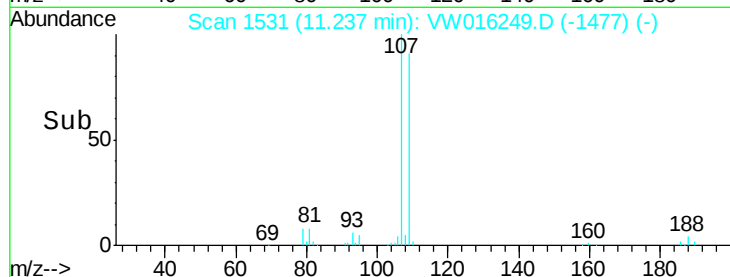
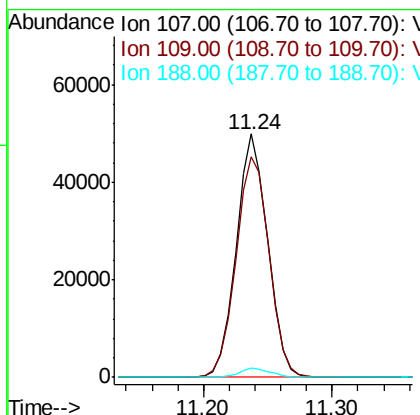
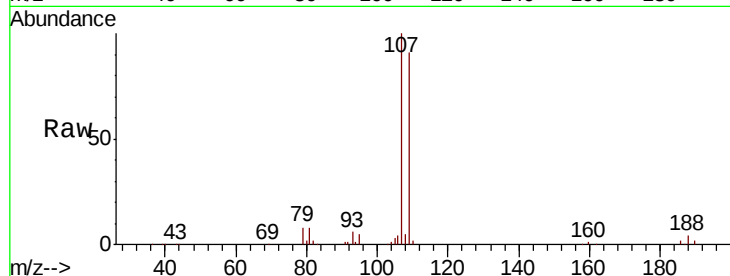




#51
 1,2-Dibromoethane
 Concen: 22.777 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

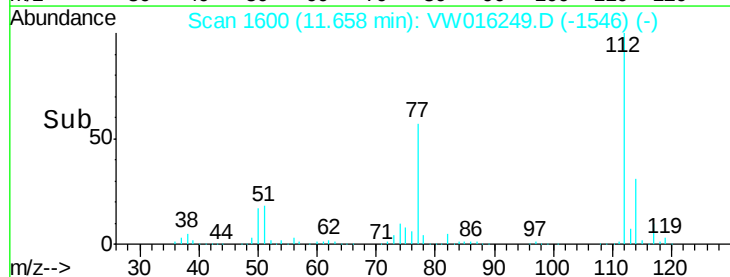
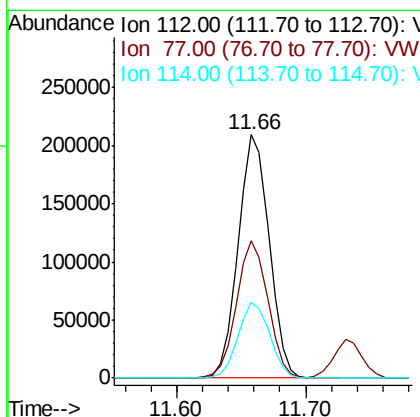
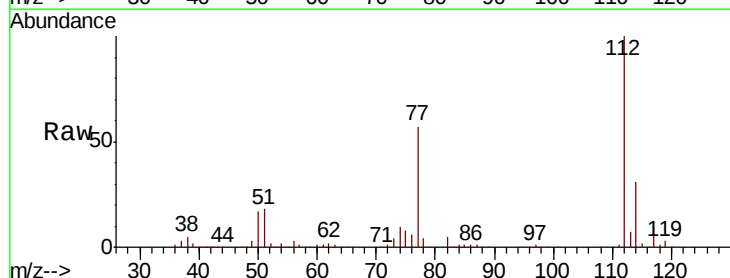
Instrument :
 MSVOA_W
 ClientSampleId :

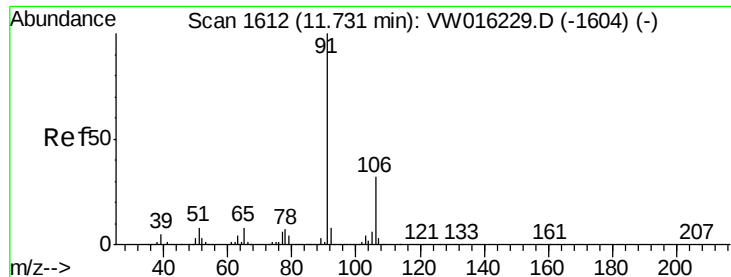
Tot Ion:107 Resp: 84236
 Ion Ratio Lower Upper
 107 100
 109 90.8 66.0 122.6
 188 3.6 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.727 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion:112 Resp: 348532
 Ion Ratio Lower Upper
 112 100
 77 56.6 49.1 73.7
 114 31.4 23.5 43.7

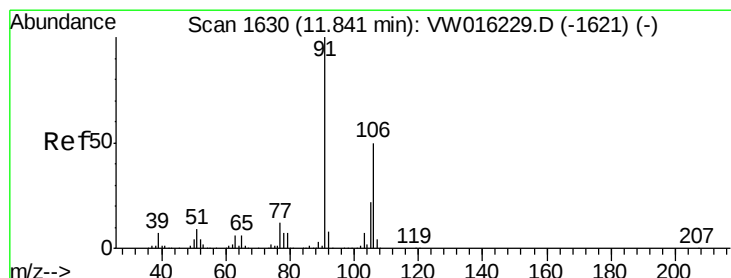
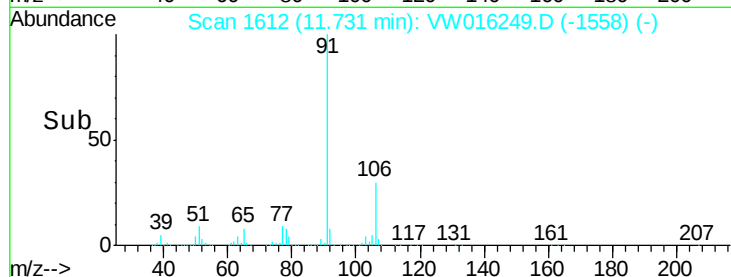
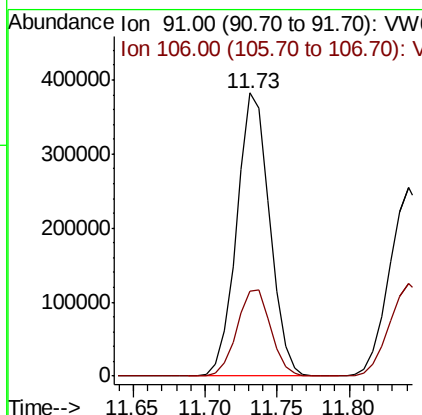
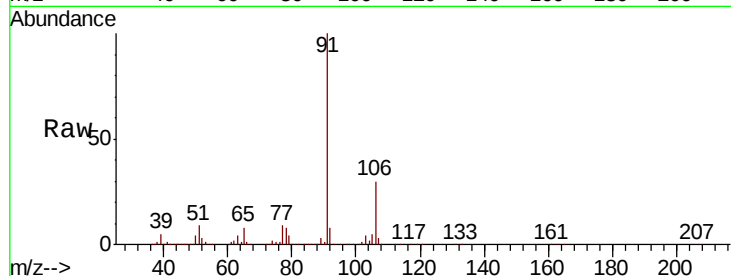




#53
Ethylbenzene
Concen: 25.137 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

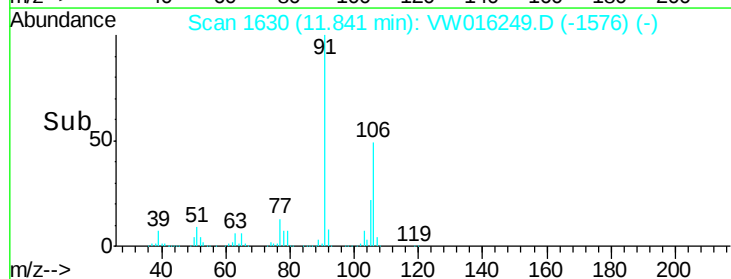
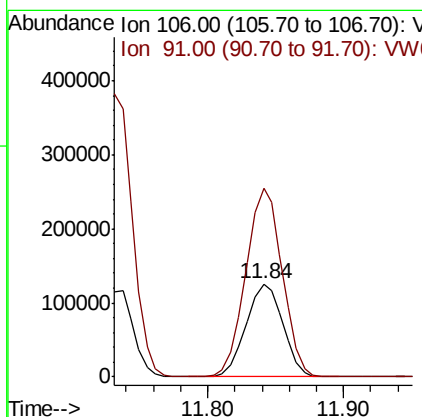
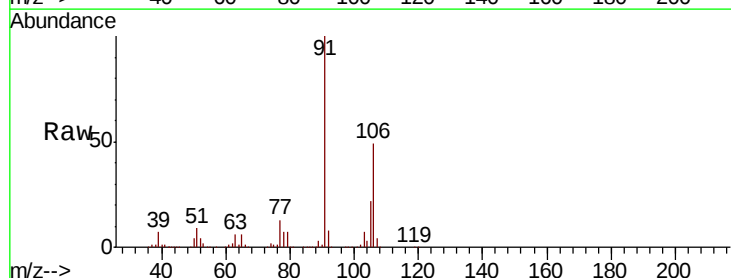
Instrument :
MSVOA_W
ClientSampled :

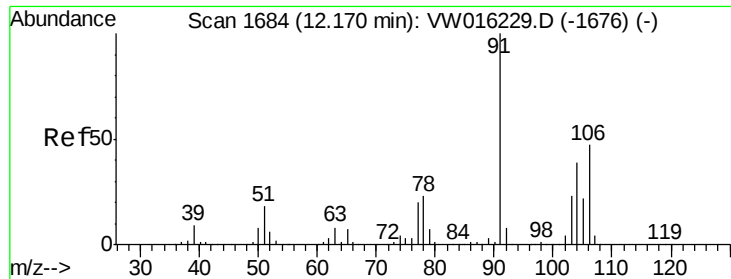
Tot Ion: 91 Resp: 607562
Ion Ratio Lower Upper
91 100
106 29.9 21.8 40.4



#54
m,p-Xylene
Concen: 26.165 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Tgt Ion: 106 Resp: 237895
Ion Ratio Lower Upper
106 100
91 202.6 136.4 253.2

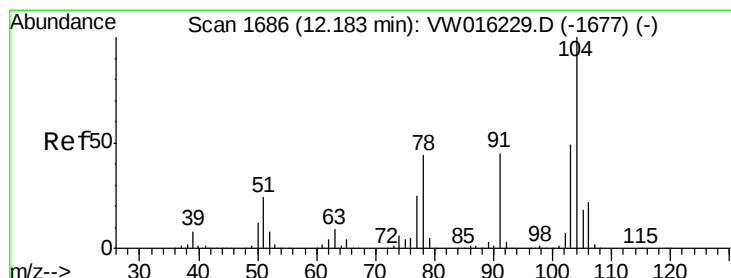
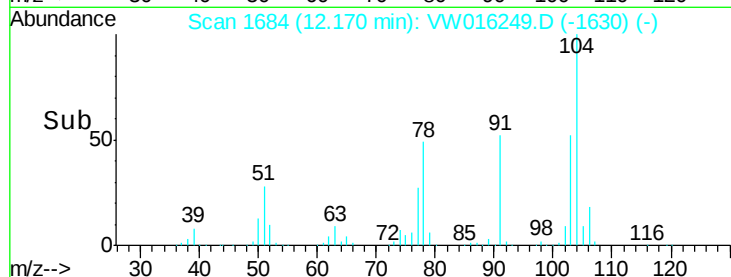
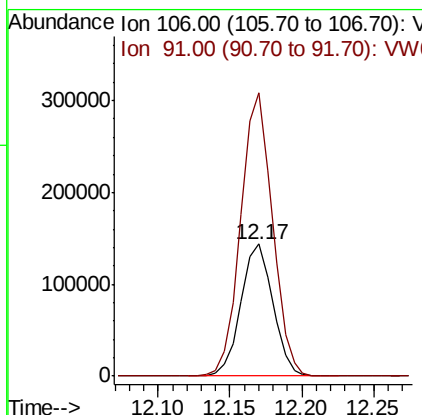
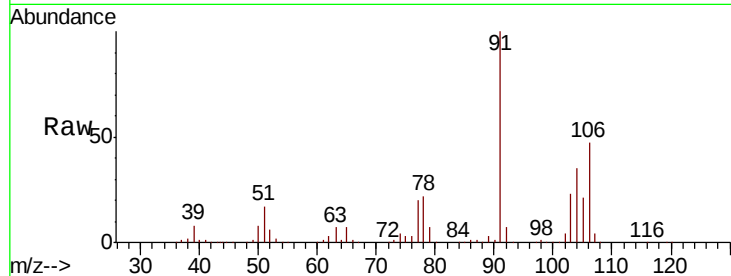




#55
o-xylene
Concen: 25.925 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

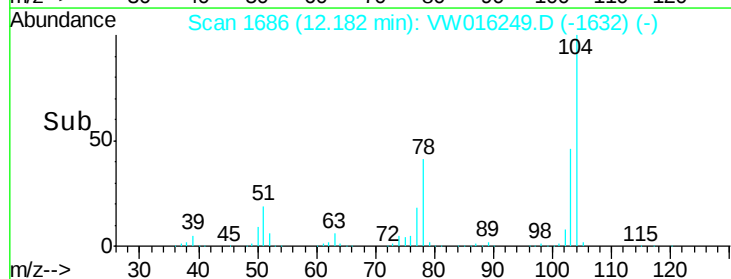
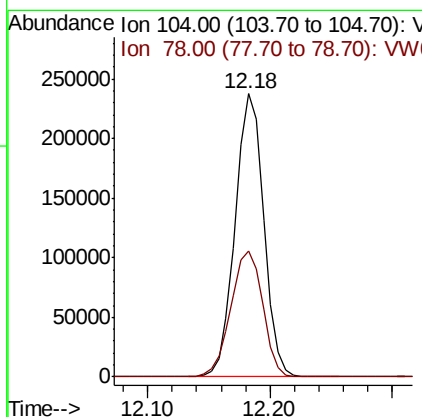
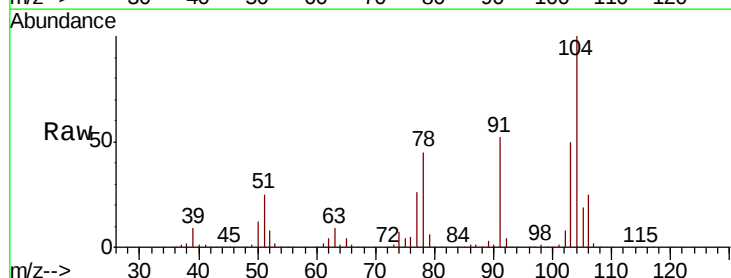
Instrument :
MSVOA_W
ClientSampleId :

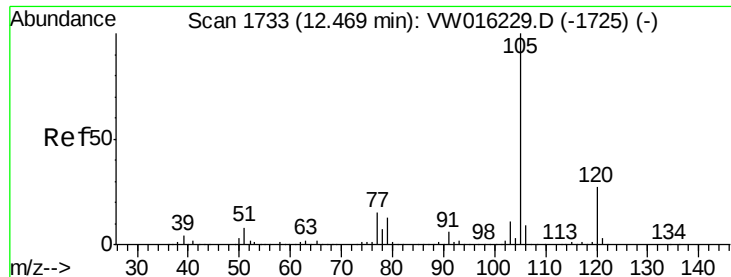
Tot Ion:106 Resp: 222023
Ion Ratio Lower Upper
106 100
91 214.3 151.3 281.1



#56
Styrene
Concen: 25.870 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016249.D
Acq: 19 Aug 2020 10:16

Tgt Ion:104 Resp: 383579
Ion Ratio Lower Upper
104 100
78 44.7 32.0 59.4





#57

Isopropylbenzene

Concen: 26.434 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

ClientSampled :

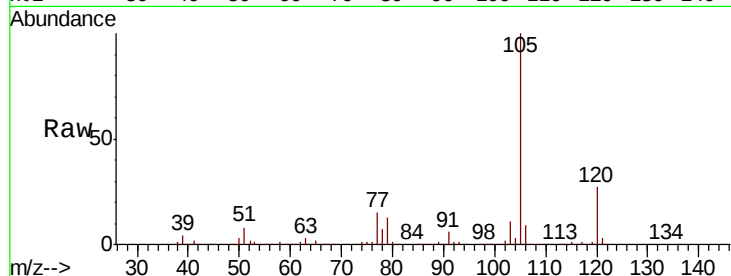
Tot Ion: 105 Resp: 610370

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

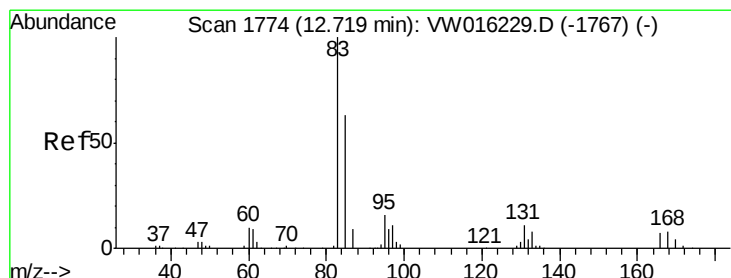
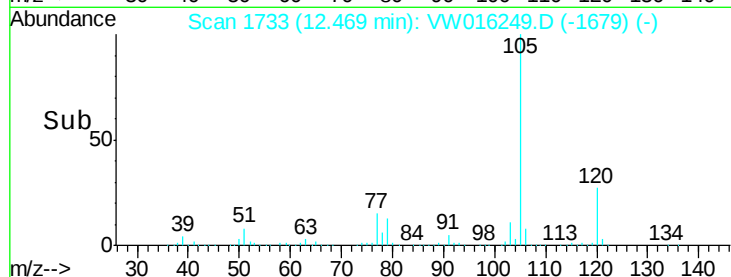
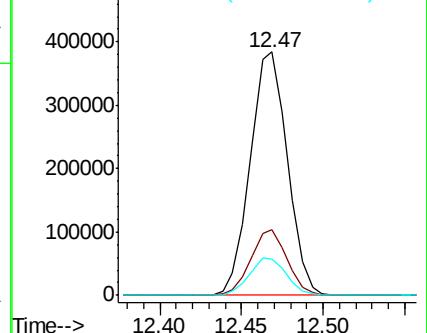
77 15.2 12.6 18.8



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: 21.978 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

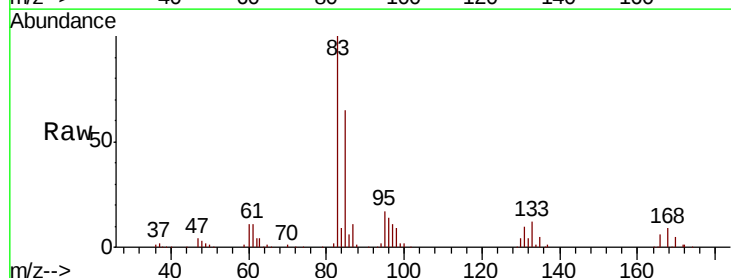
Tgt Ion: 83 Resp: 100039

Ion Ratio Lower Upper

83 100

85 64.9 42.4 78.8

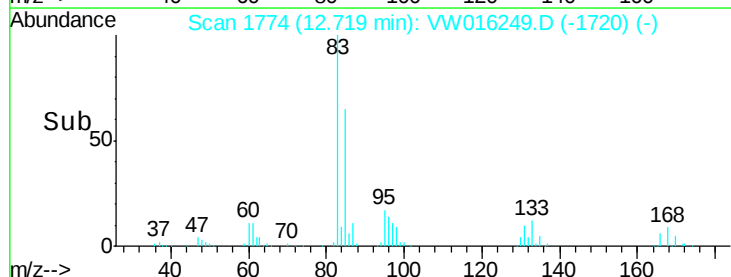
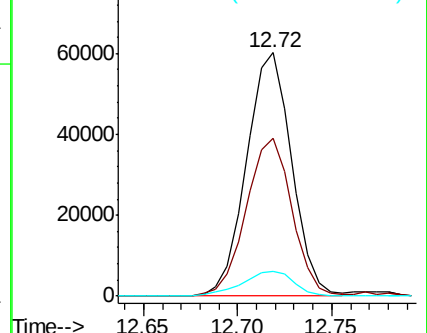
131 9.9 7.8 11.8

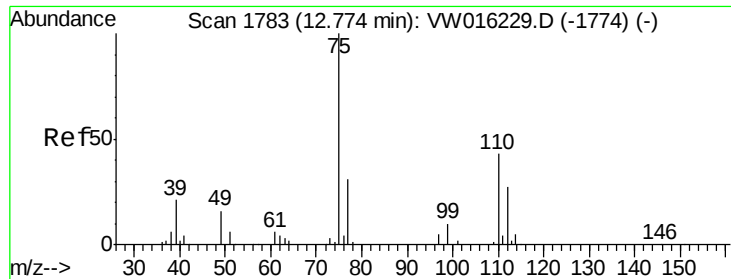


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.400 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

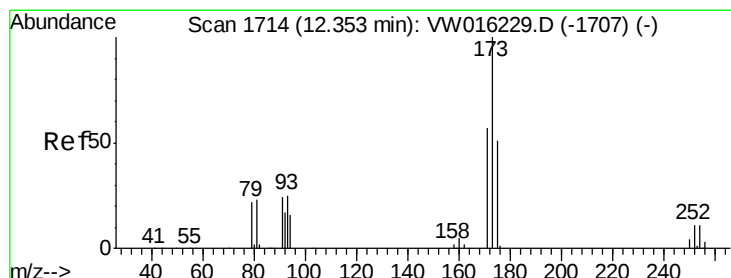
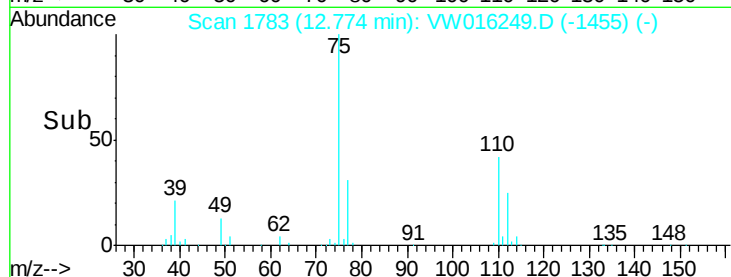
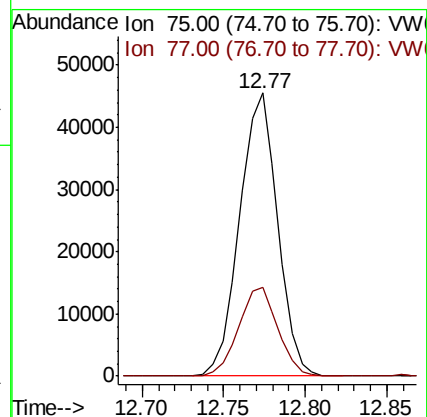
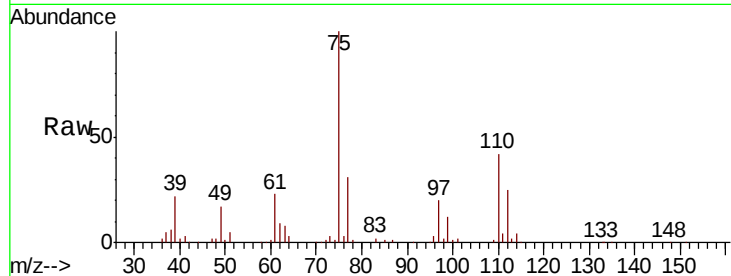
ClientSampleId :

Tot Ion: 75 Resp: 73796

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 22.112 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

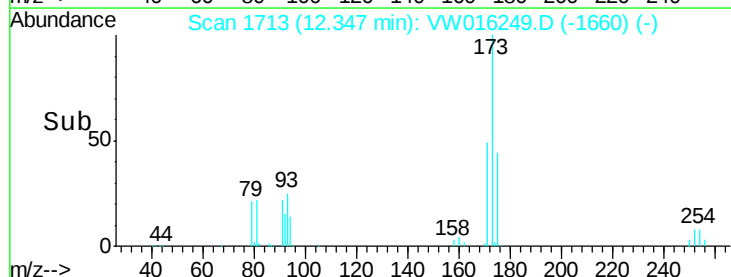
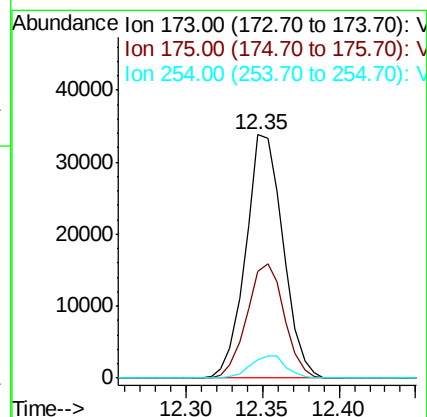
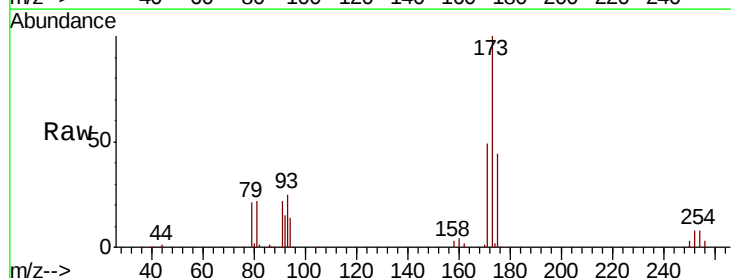
Tgt Ion: 173 Resp: 57321

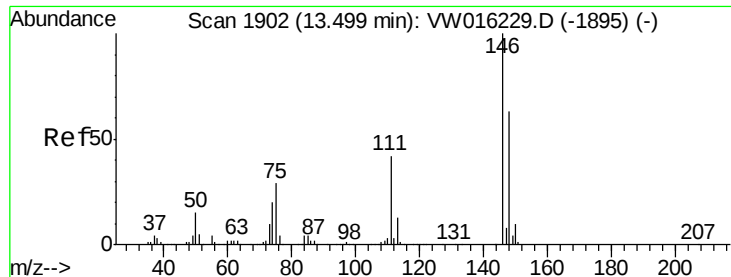
Ion Ratio Lower Upper

173 100

175 47.2 37.8 56.6

254 8.9 6.8 10.2

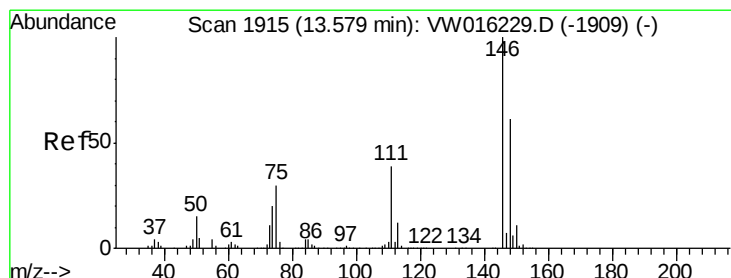
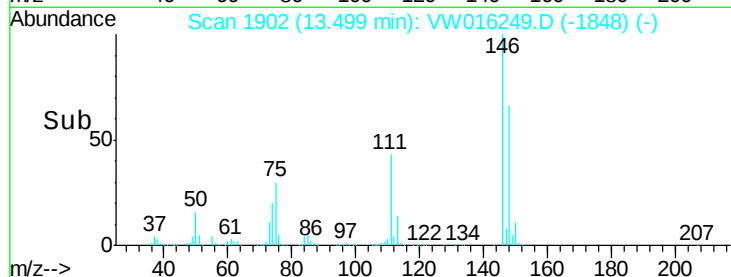
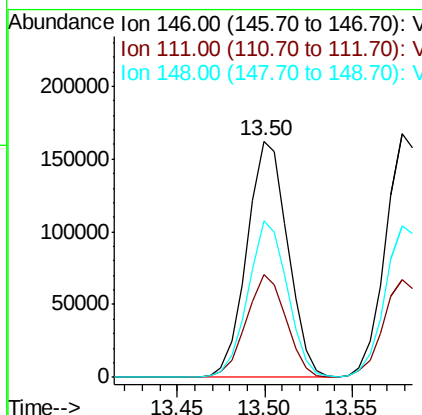
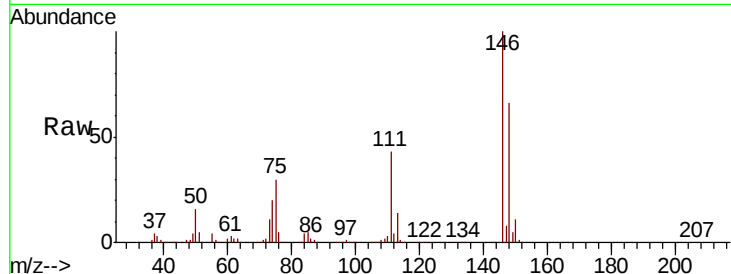




#63
 1,3-Dichlorobenzene
 Concen: 24.304 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

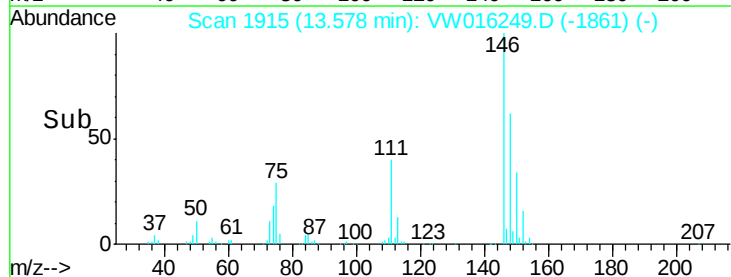
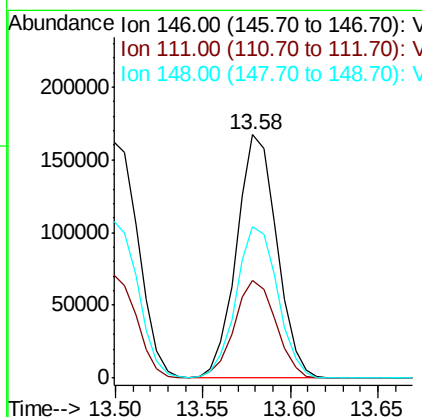
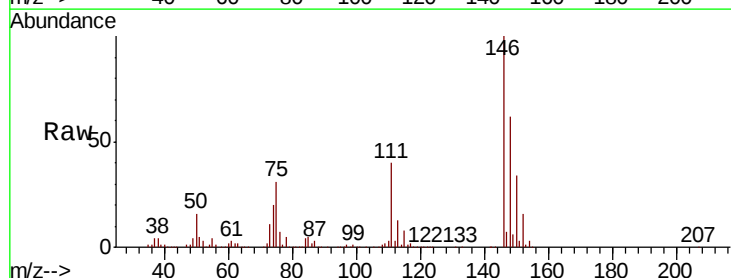
Instrument :
 MSVOA_W
 ClientSampled :

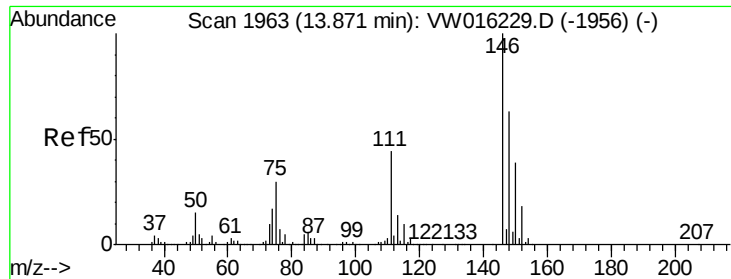
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	28.9	53.7
148	66.4	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.310 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.6	53.2
148	62.3	47.7	88.5

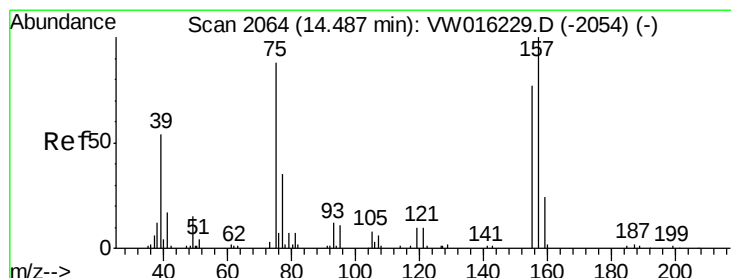
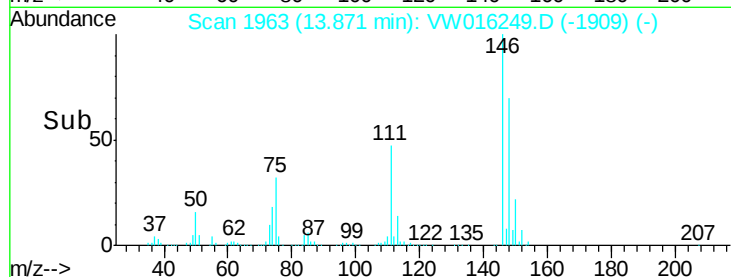
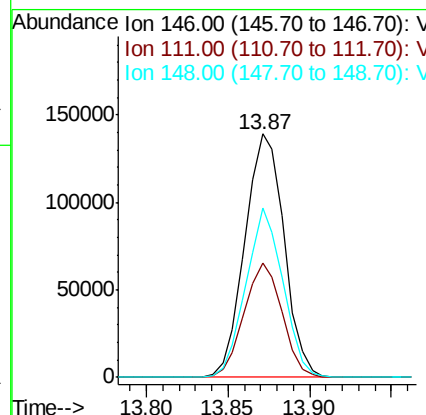
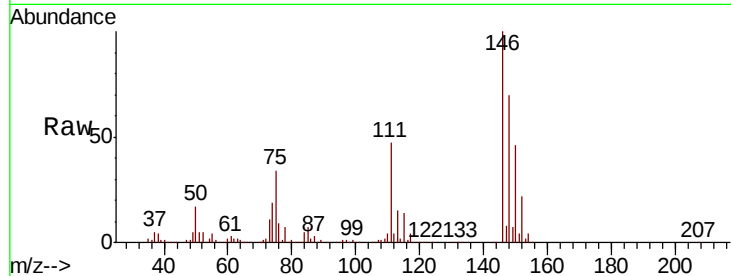




#65
 1,2-Dichlorobenzene
 Concen: 23.511 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

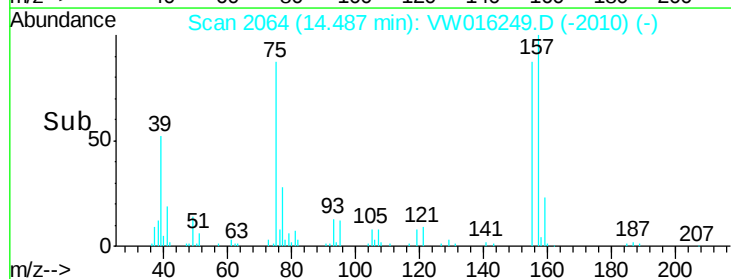
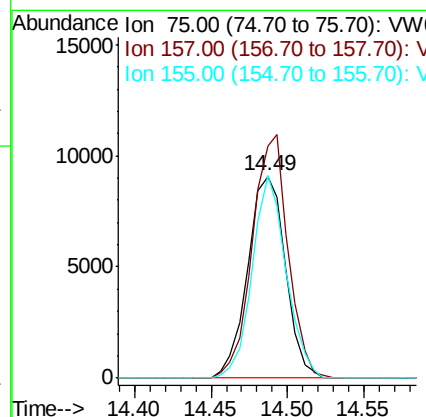
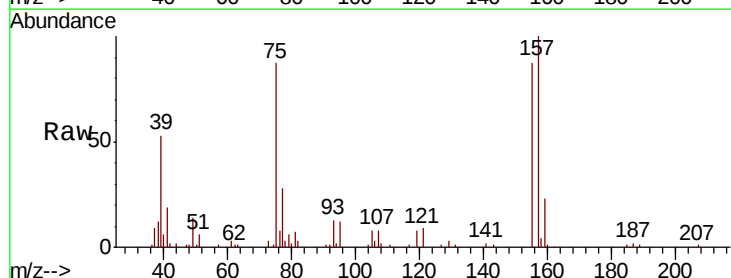
Instrument :
 MSVOA_W
 ClientSampleId :

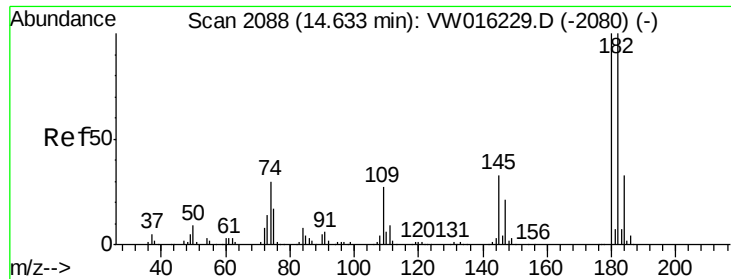
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	35.3	52.9
148	69.8	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.799 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.9	73.9	110.9#
155	100.4	63.4	95.2#

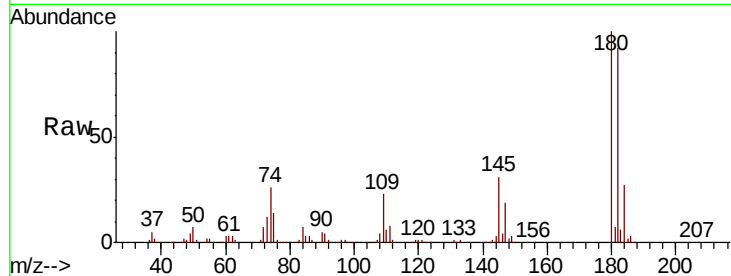




#67
 1,3,5-Trichlorobenzene
 Concen: 26.120 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.3	114.5
184	29.9	25.1	37.7
145	32.3	26.9	40.3

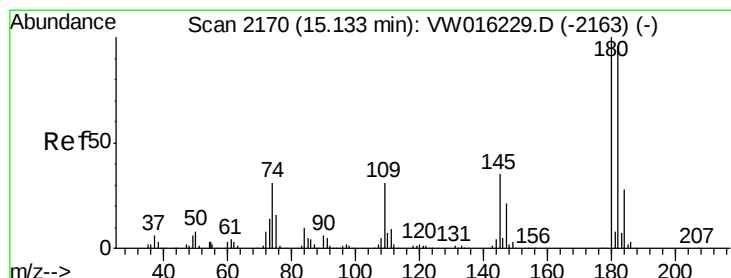
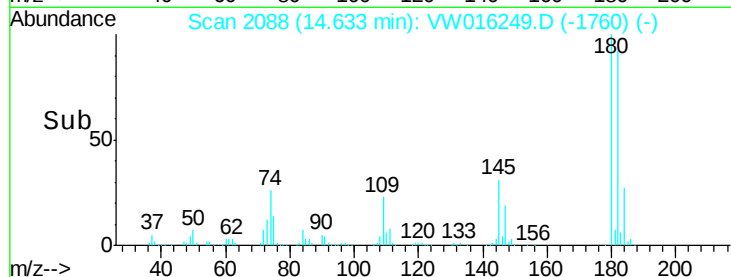
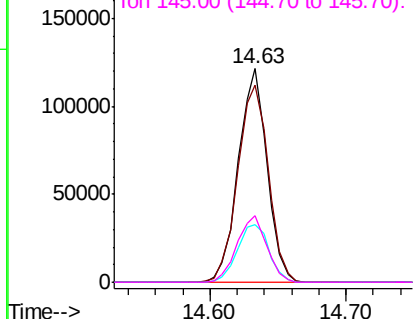


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

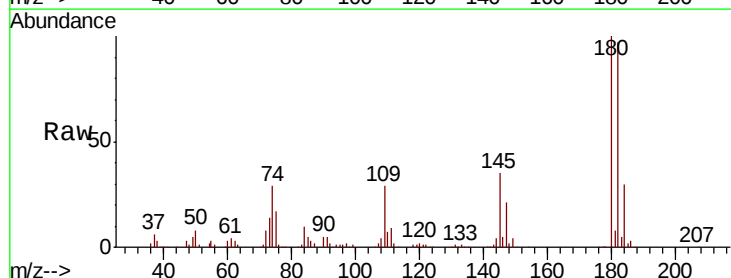
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.615 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016249.D
 Acq: 19 Aug 2020 10:16

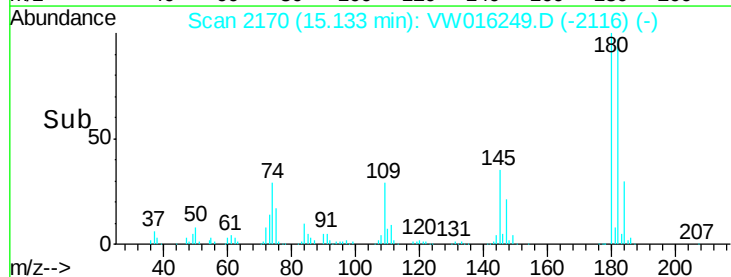
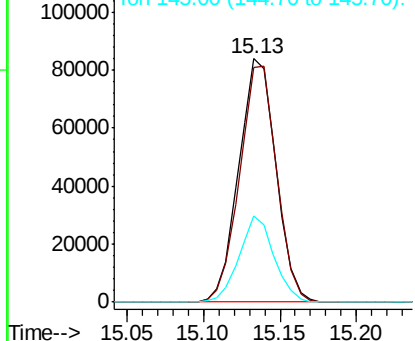
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.8	116.8
145	33.1	26.5	39.7

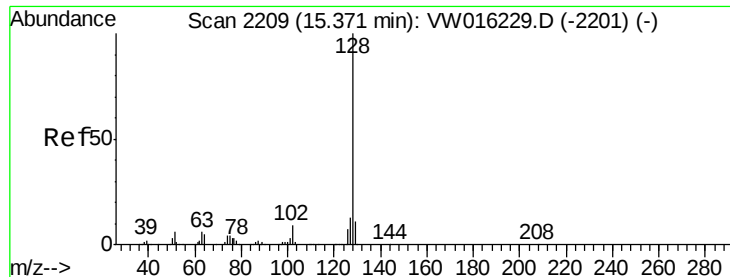


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.221 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

Instrument :

MSVOA_W

ClientSampleId :

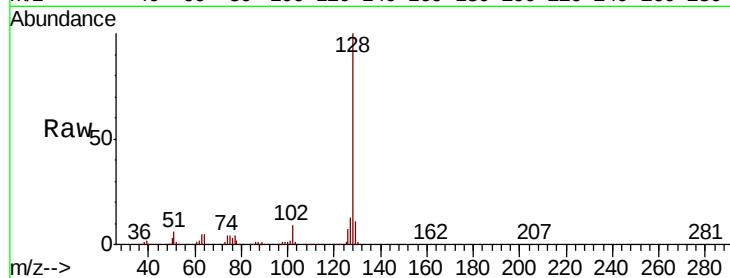
Tot Ion:128 Resp: 271416

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

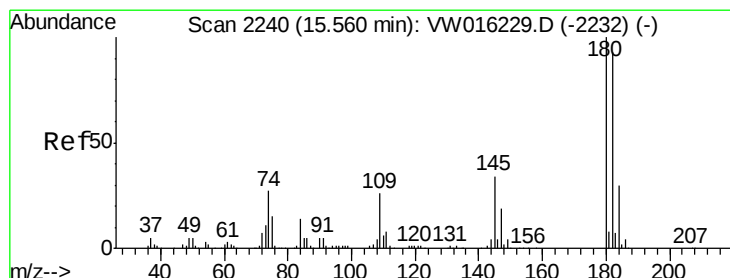
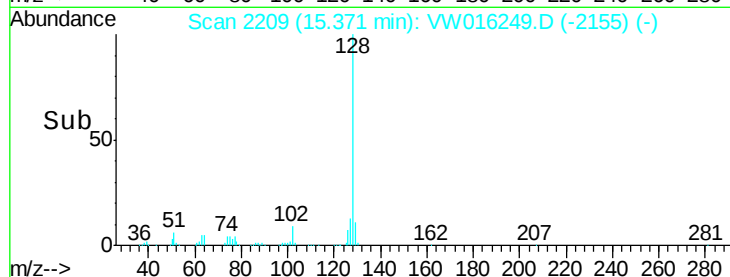
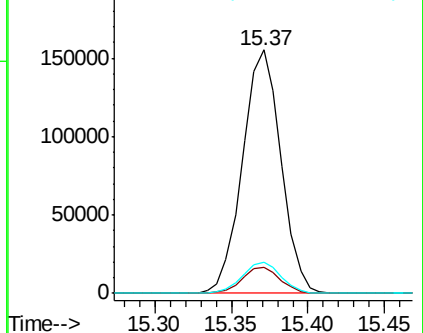
127 12.8 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.799 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016249.D

Acq: 19 Aug 2020 10:16

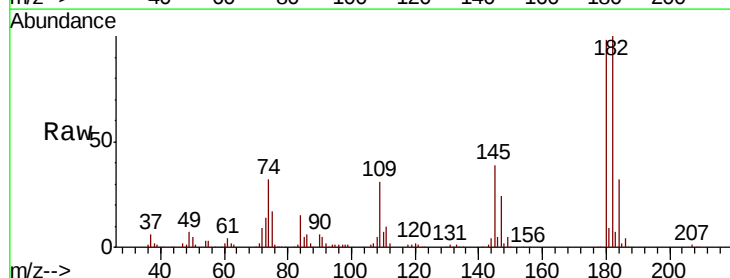
Tgt Ion:180 Resp: 124759

Ion Ratio Lower Upper

180 100

182 101.0 76.0 114.0

145 37.3 29.9 44.9



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

