

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102320\
 Data File : VW016986.D
 Acq On : 23 Oct 2020 16:55
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 00:34:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 24 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	516048	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	468577	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239390	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123772	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
7) Chloroethane-d5	2.89	69	100535	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
10) 1,1-Dichloroethene-d2	4.03	63	267136	23.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.24%
20) 2-Butanone-d5	7.09	46	47762	42.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.14%
24) Chloroform-d	7.65	84	268844	22.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.36%
26) 1,2-Dichloroethane-d4	8.31	65	122457	21.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.44%
29) Benzene-d6	8.28	84	534962	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	145868	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.80%
37) Toluene-d8	10.33	98	511641	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
38) trans-1,3-Dichloropropene-	10.58	79	61512	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.24%
39) 2-Hexanone-d5	10.93	63	42700	46.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109756	22.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	189037	22.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	158393	26.910	ug/L 98
3) Chloromethane	2.21	50	126456	24.891	ug/L 100
5) Vinyl chloride	2.37	62	200518	26.947	ug/L 97
6) Bromomethane	2.79	94	132347	26.187	ug/L 100
8) Chloroethane	2.93	64	116857	27.287	ug/L 99
9) Trichlorofluoromethane	3.26	101	159562	27.035	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	192274	27.029	ug/L 98
12) 1,1-Dichloroethene	4.04	96	183362	27.143	ug/L 96
13) Acetone	4.15	43	36964	48.963	ug/L 99
14) Carbon disulfide	4.39	76	536415	26.193	ug/L 100
15) Methyl Acetate	4.68	43	49074	24.898	ug/L 98
16) Methylene chloride	4.93	84	175826	25.770	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	196188	26.642	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	189553	26.830	ug/L 98
19) 1,1-Dichloroethane	6.22	63	292534	27.037	ug/L 99
21) 2-Butanone	7.18	43	59059	46.746	ug/L 97
22) cis-1,2-Dichloroethene	7.18	96	192579	26.961	ug/L 99

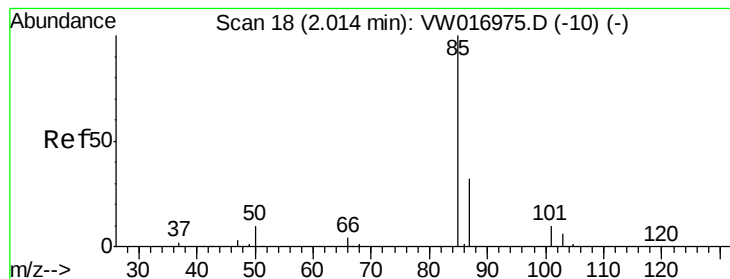
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102320\
 Data File : VW016986.D
 Acq On : 23 Oct 2020 16:55
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 00:34:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 24 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	88727	26.909	ug/L	98
25) Chloroform	7.68	83	314951	27.344	ug/L	99
27) 1,2-Dichloroethane	8.40	62	174828	26.654	ug/L	98
30) Cyclohexane	7.96	56	269895	27.535	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	272684	26.880	ug/L	99
32) Carbon tetrachloride	8.07	117	265746	27.291	ug/L	97
34) Benzene	8.33	78	702773	27.149	ug/L	100
35) Trichloroethene	9.10	95	192198	26.809	ug/L	99
36) Methylcyclohexane	9.34	83	333662	27.713	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155616	26.919	ug/L	100
41) Bromodichloromethane	9.65	83	213747	27.242	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	243398	26.925	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	142394	51.963	ug/L	100
44) Toluene	10.39	91	775898	27.665	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	203744	27.208	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	122693	26.515	ug/L	99
47) Tetrachloroethene	10.86	164	174115	26.402	ug/L	92
49) 2-Hexanone	10.97	43	92691	53.075	ug/L	99
50) Dibromochloromethane	11.13	129	154065	27.331	ug/L	97
51) 1,2-Dibromoethane	11.24	107	115692	26.225	ug/L	98
52) Chlorobenzene	11.66	112	508975	27.147	ug/L	98
53) Ethylbenzene	11.73	91	867738	27.550	ug/L	99
54) m,p-Xylene	11.84	106	344752	27.822	ug/L	98
55) o-xylene	12.17	106	323971	28.224	ug/L	93
56) Styrene	12.18	104	545665	28.416	ug/L	99
57) Isopropylbenzene	12.46	105	891897	28.092	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	130584	26.292	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	92733	26.090	ug/L	99
62) Bromoform	12.35	173	84418	25.095	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	407408	26.375	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	406659	26.410	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	366690	26.911	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	18683	25.205	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	304989	26.977	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	243886	27.831	ug/L	98
69) Naphthalene	15.37	128	394979	27.788	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	217048	28.423	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.910 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

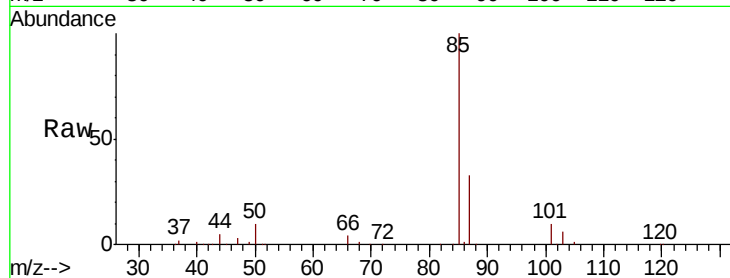
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 158393

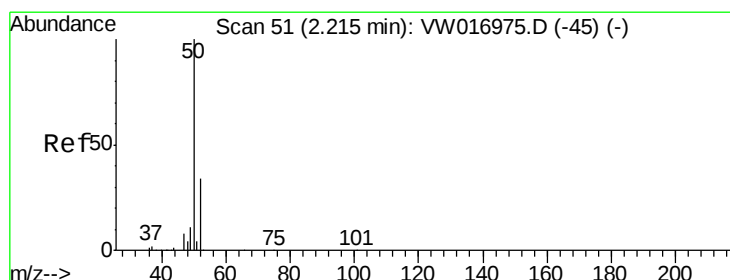
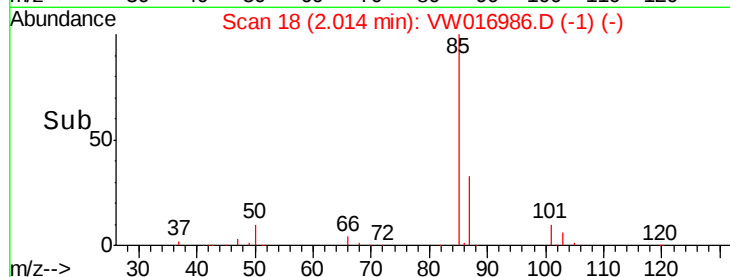
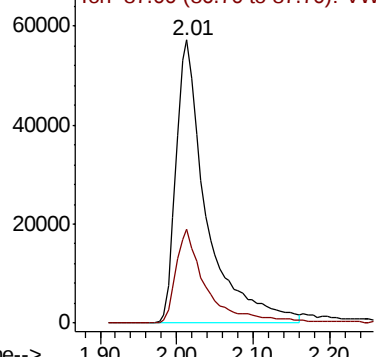
Ion Ratio Lower Upper

85 100

87 31.1 22.4 41.6



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



#3

Chloromethane

Concen: 24.891 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016986.D

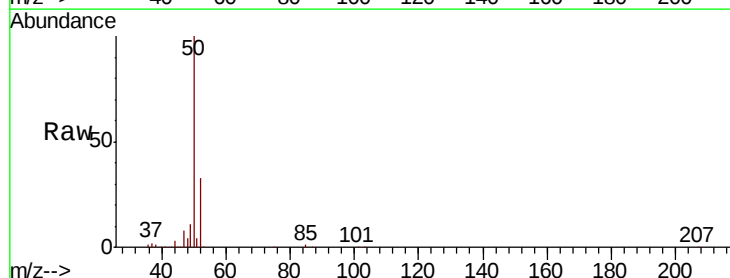
Acq: 23 Oct 2020 16:55

Tgt Ion: 50 Resp: 126456

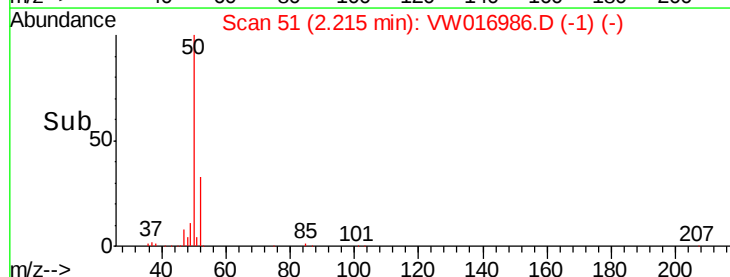
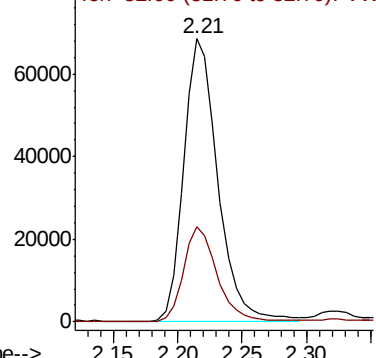
Ion Ratio Lower Upper

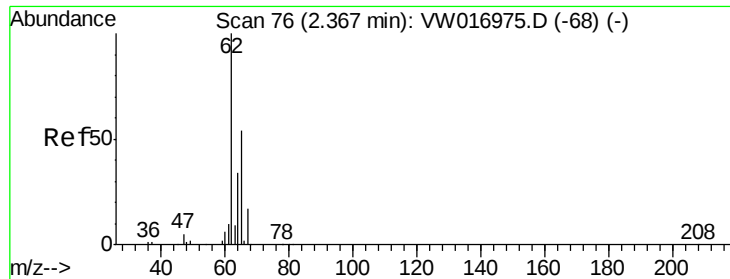
50 100

52 33.4 23.5 43.7



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





#5

Vinyl chloride

Concen: 26.947 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

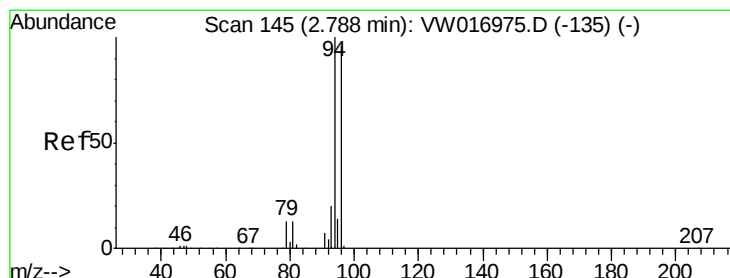
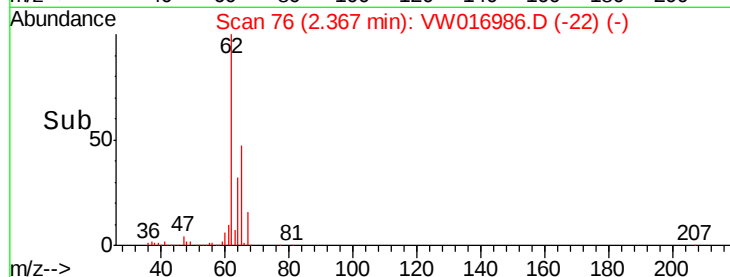
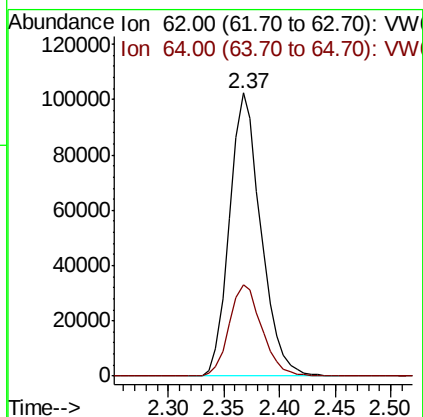
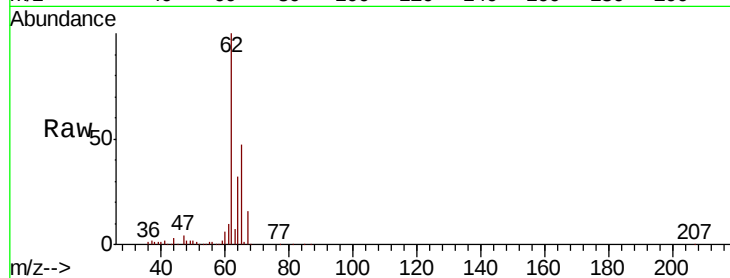
ClientSampled :

Tot Ion: 62 Resp: 200518

Ion Ratio Lower Upper

62 100

64 32.4 24.1 44.7



#6

Bromomethane

Concen: 26.187 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016986.D

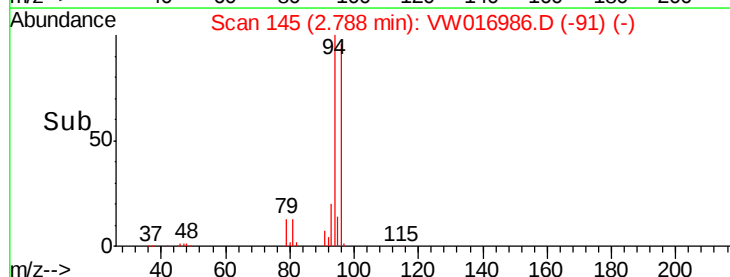
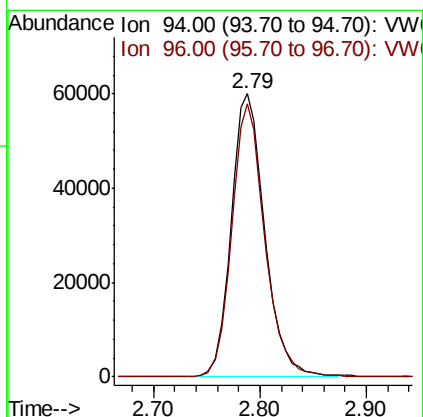
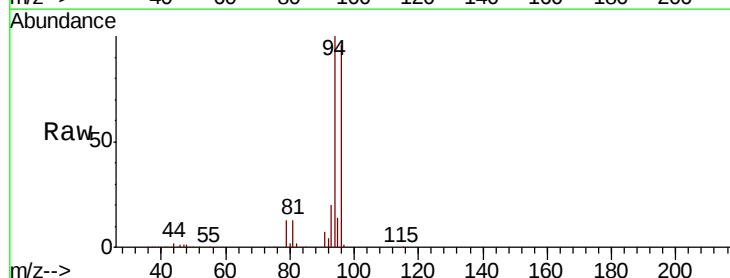
Acq: 23 Oct 2020 16:55

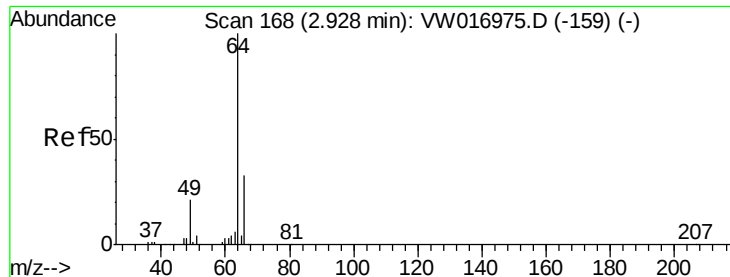
Tgt Ion: 94 Resp: 132347

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8

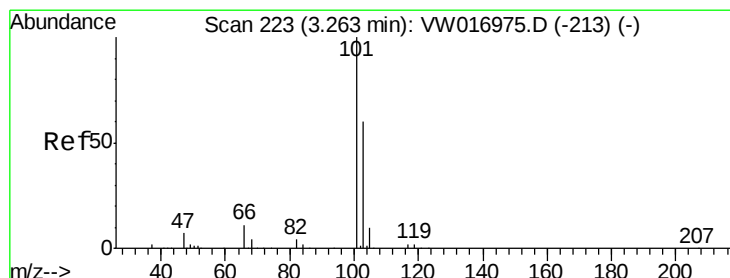
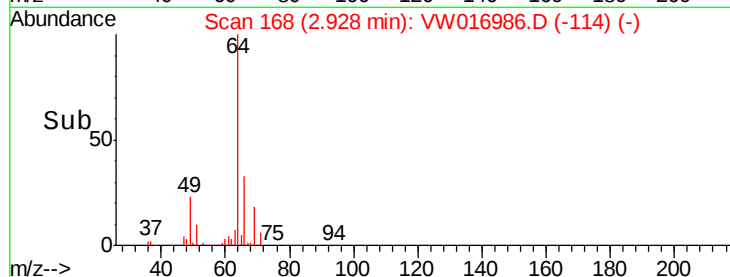
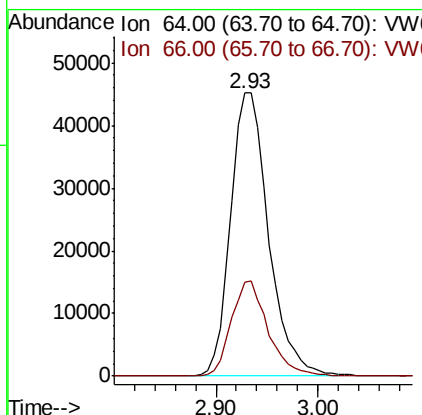
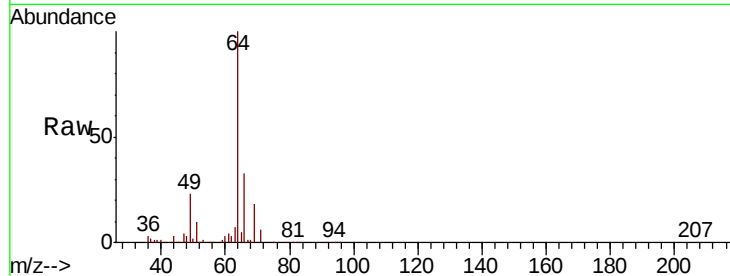




#8
Chloroethane
Concen: 27.287 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

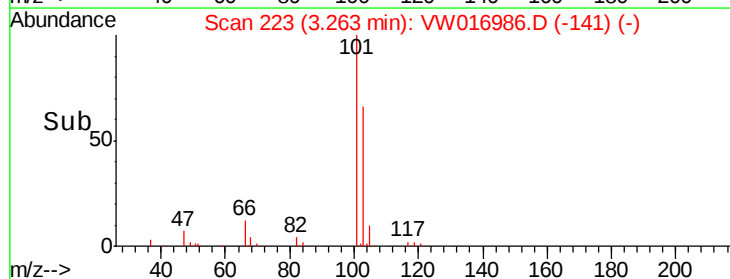
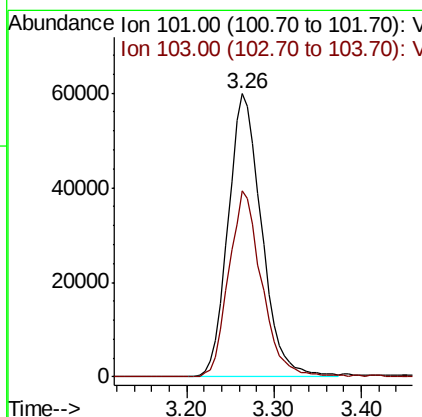
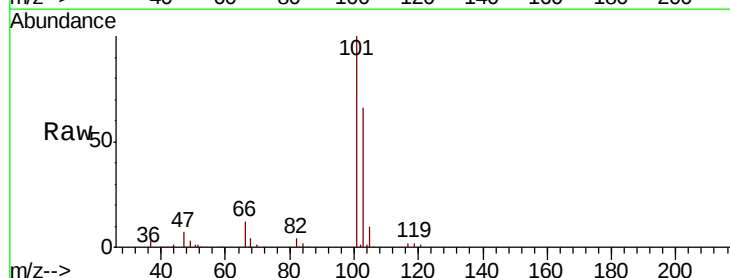
Instrument :
MSVOA_W
ClientSampled :

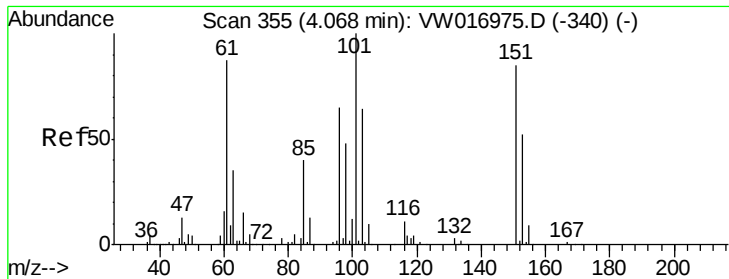
Tot Ion: 64 Resp: 116857
Ion Ratio Lower Upper
64 100
66 33.1 23.4 43.6



#9
Trichlorofluoromethane
Concen: 27.035 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 101 Resp: 159562
Ion Ratio Lower Upper
101 100
103 64.3 44.9 83.5





#11

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

Concen: 27.029 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

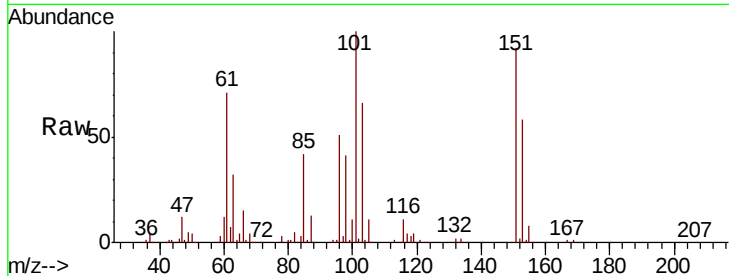
Tot Ion:101 Resp: 192274

Ion Ratio Lower Upper

101 100

85 40.4 32.5 48.7

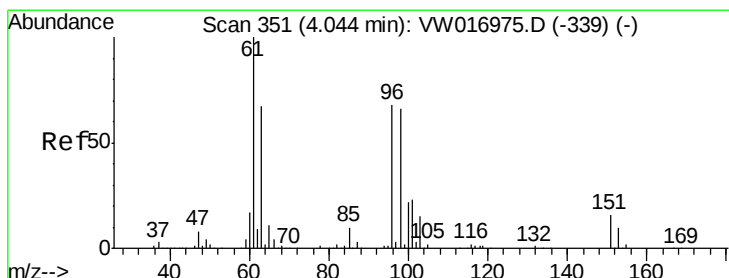
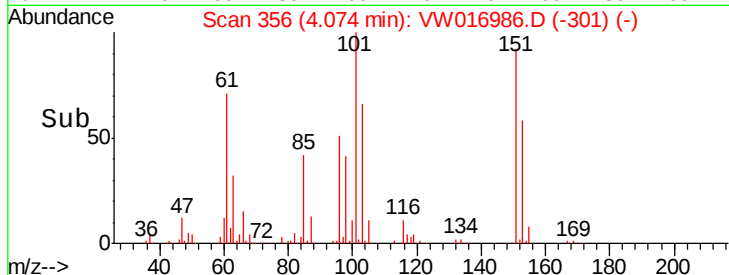
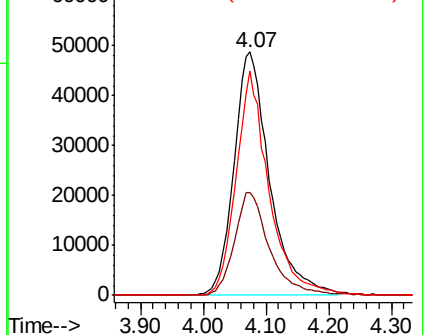
151 84.5 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.143 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

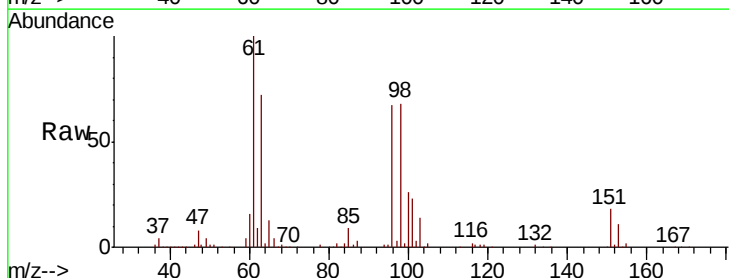
Tgt Ion: 96 Resp: 183362

Ion Ratio Lower Upper

96 100

61 149.1 101.4 188.4

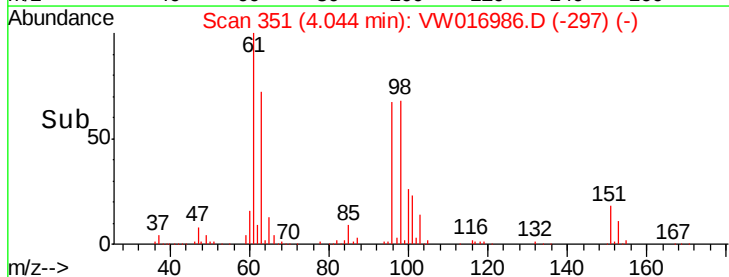
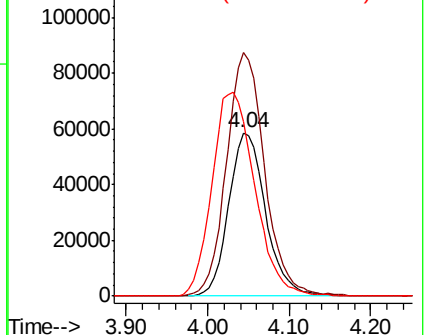
63 107.2 78.5 145.9

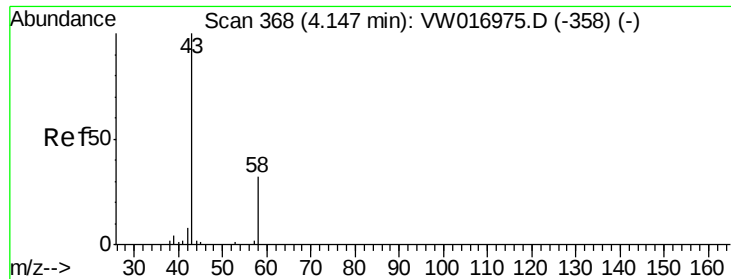


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.963 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

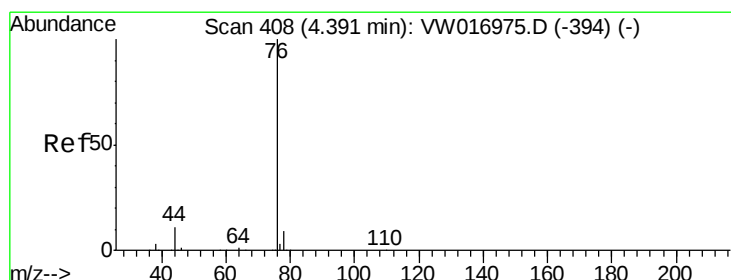
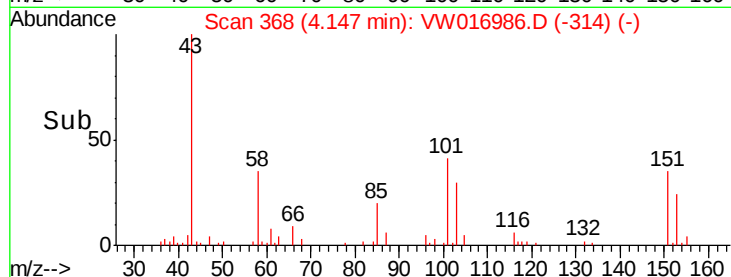
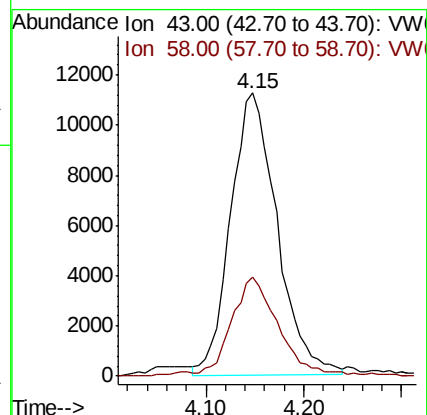
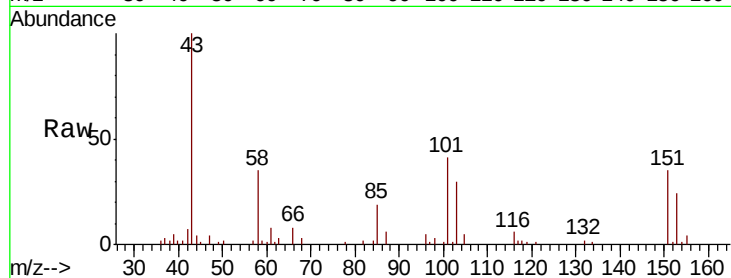
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 36964

Ion Ratio Lower Upper

43 100

58 34.5 0.0 69.8



#14

Carbon disulfide

Concen: 26.193 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016986.D

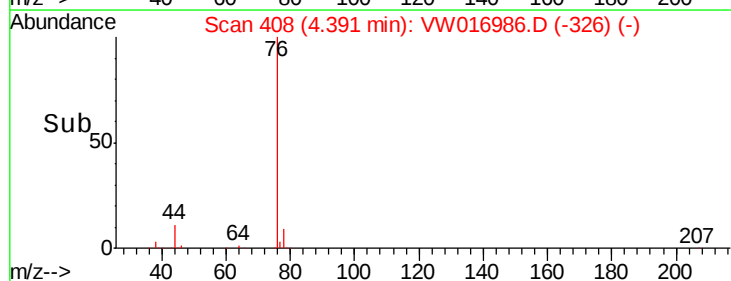
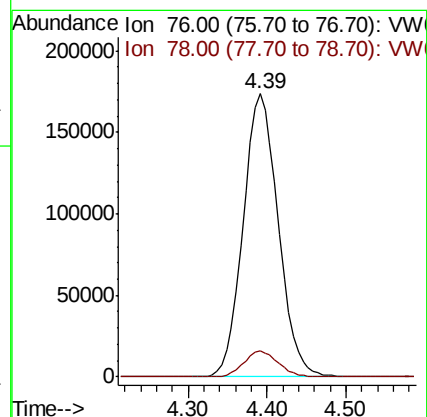
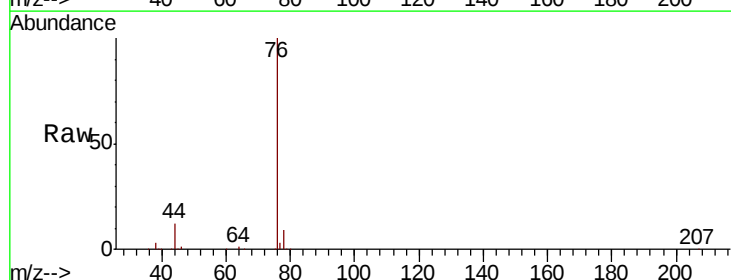
Acq: 23 Oct 2020 16:55

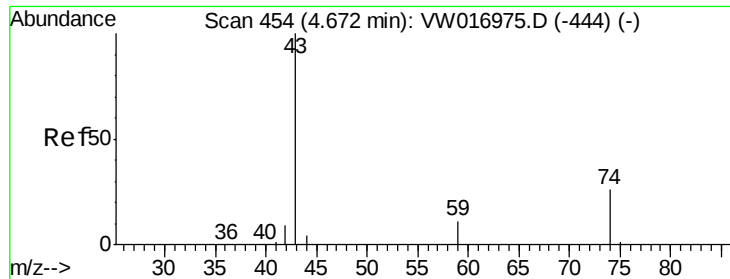
Tgt Ion: 76 Resp: 536415

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

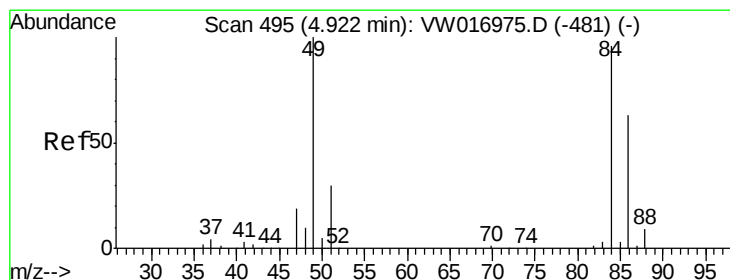
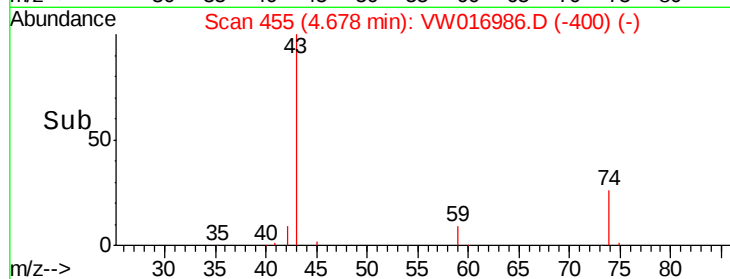
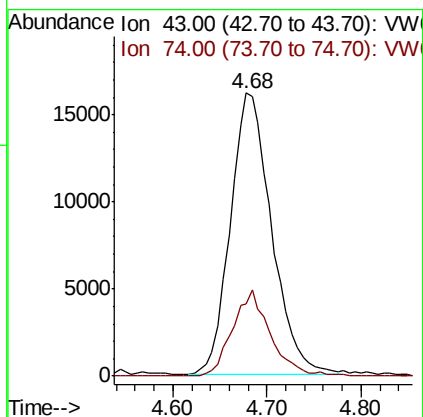
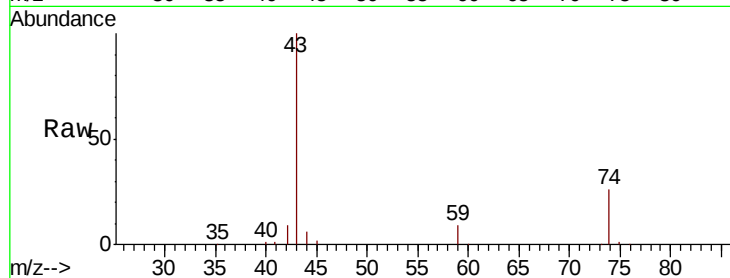




#15
Methyl Acetate
Concen: 24.898 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

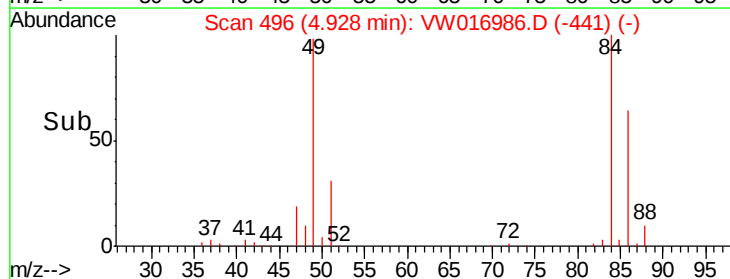
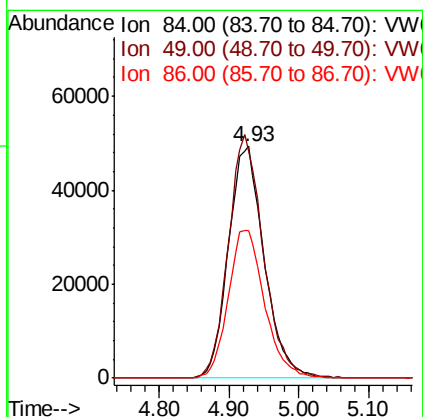
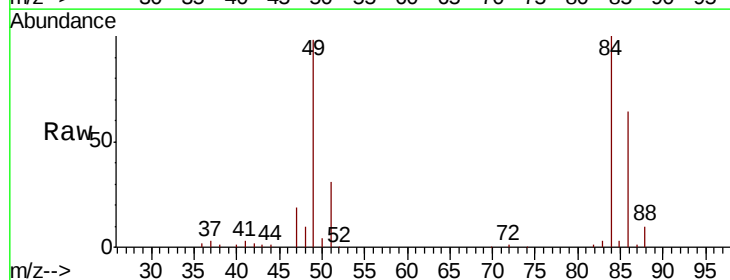
Instrument :
MSVOA_W
ClientSampled :

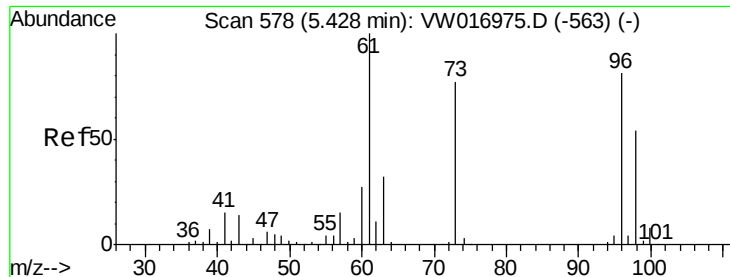
Tot Ion: 43 Resp: 49074
Ion Ratio Lower Upper
43 100
74 27.5 22.8 34.2



#16
Methylene chloride
Concen: 25.770 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 84 Resp: 175826
Ion Ratio Lower Upper
84 100
49 97.9 73.8 137.0
86 63.9 47.4 88.0

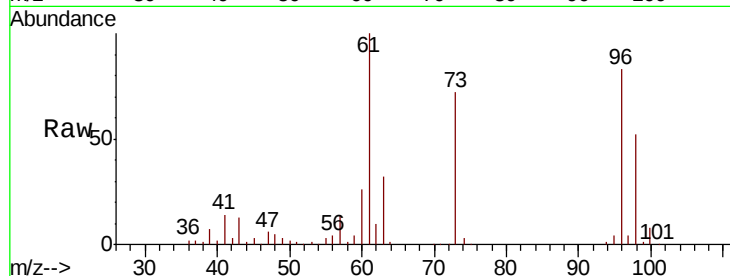




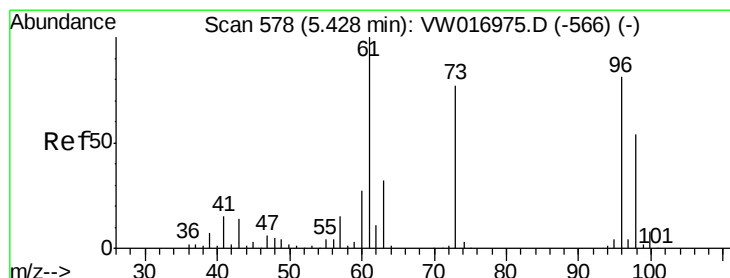
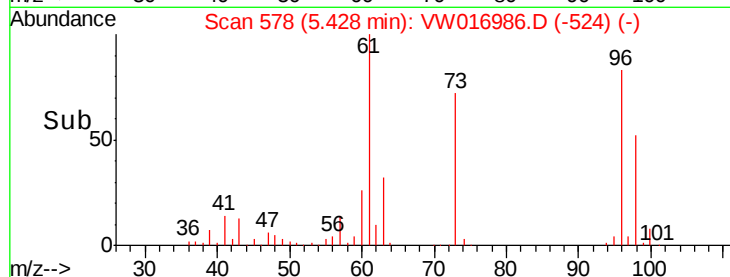
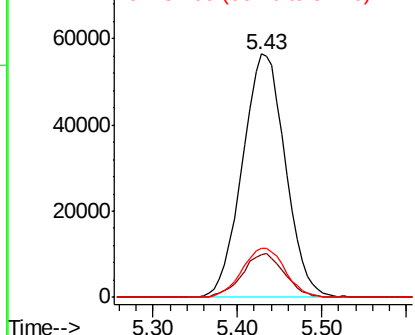
#17
Methvl tert-butvl Ether
Concen: 26.642 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 196188
Ion Ratio Lower Upper
73 100
43 17.6 14.4 21.6
57 20.3 16.6 25.0

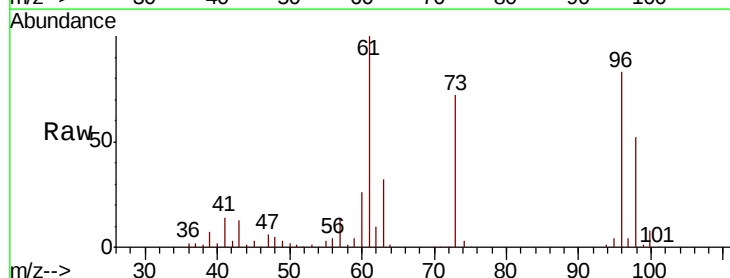


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

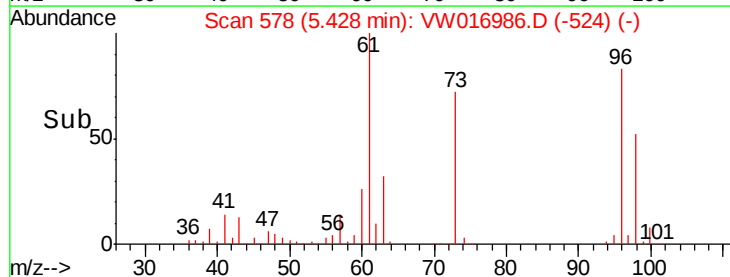
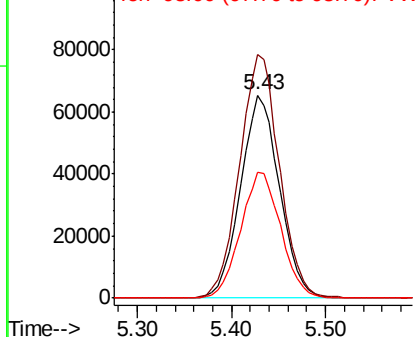


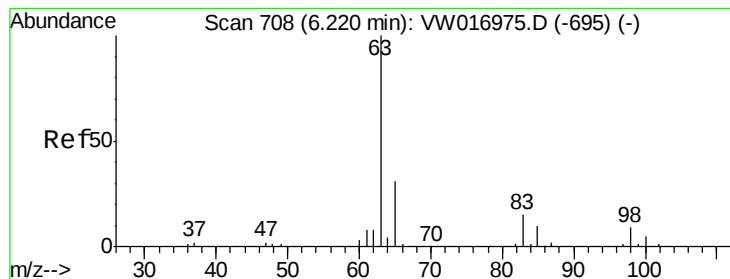
#18
trans-1,2-Dichloroethene
Concen: 26.830 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 96 Resp: 189553
Ion Ratio Lower Upper
96 100
61 120.1 82.7 153.7
98 62.2 42.6 79.0



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





#19

1,1-Dichloroethane

Concen: 27.037 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

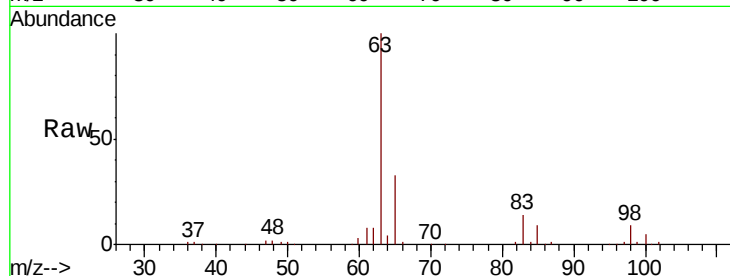
Tot Ion: 63 Resp: 292534

Ion Ratio Lower Upper

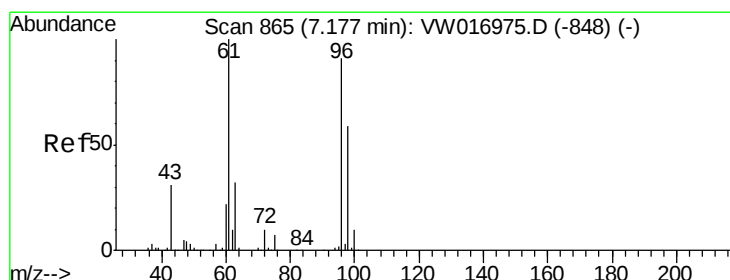
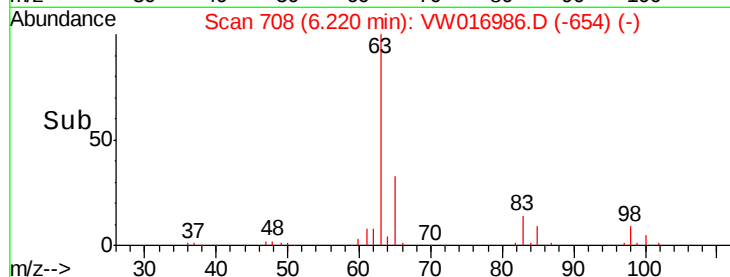
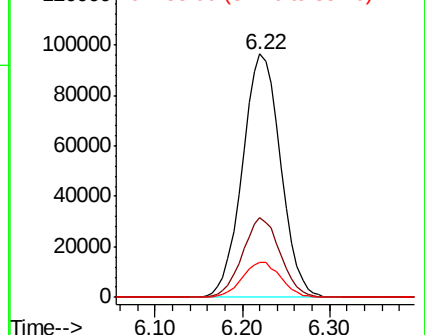
63 100

65 33.0 22.5 41.9

83 14.5 10.1 18.9



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: 46.746 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016986.D

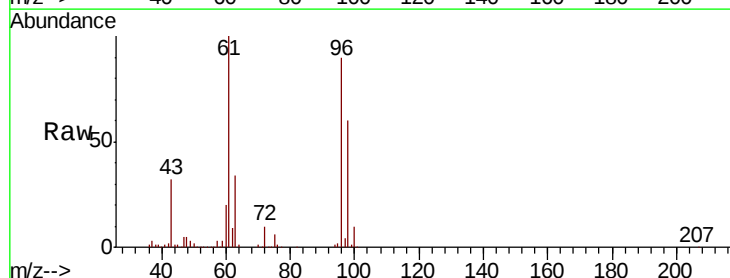
Acq: 23 Oct 2020 16:55

Tgt Ion: 43 Resp: 59059

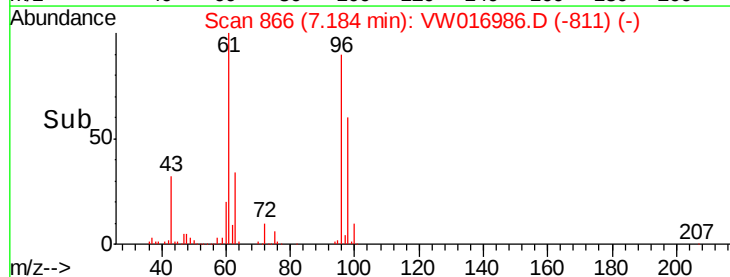
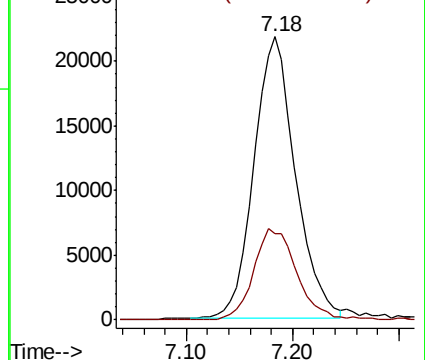
Ion Ratio Lower Upper

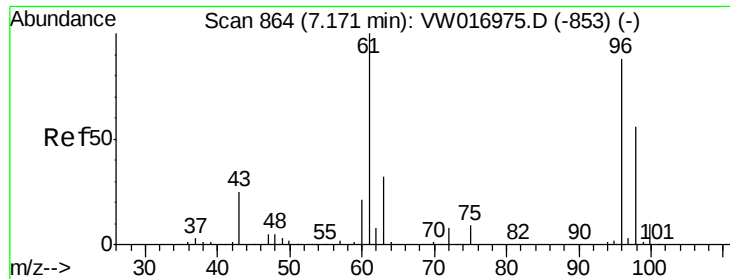
43 100

72 33.6 16.1 48.2



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



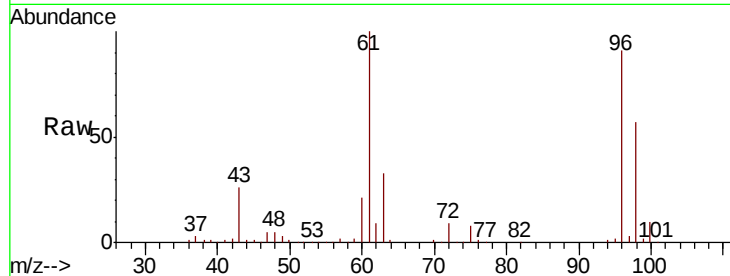


#22

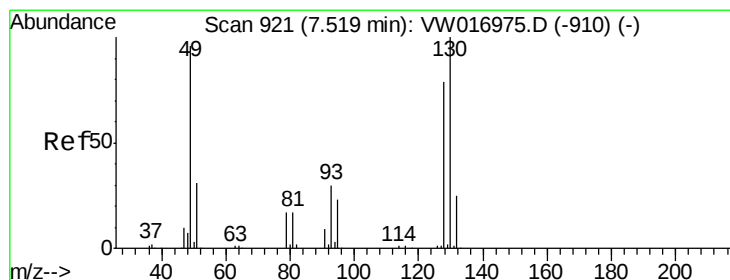
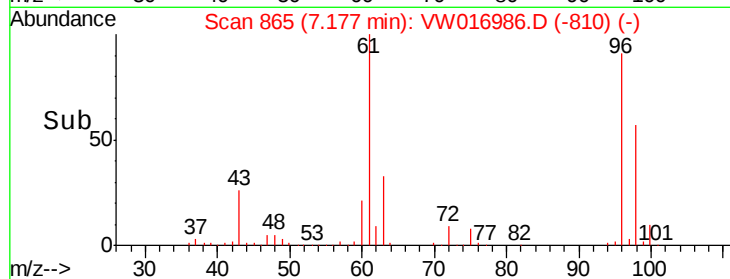
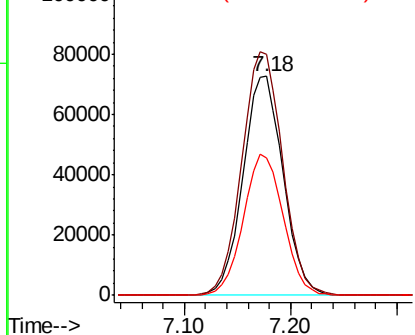
cis-1,2-Dichloroethene
 Concen: 26.961 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 192579
 Ion Ratio Lower Upper
 96 100
 61 110.3 77.4 143.8
 98 62.6 44.4 82.5



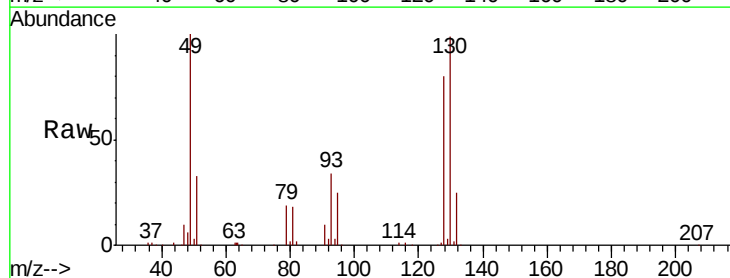
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



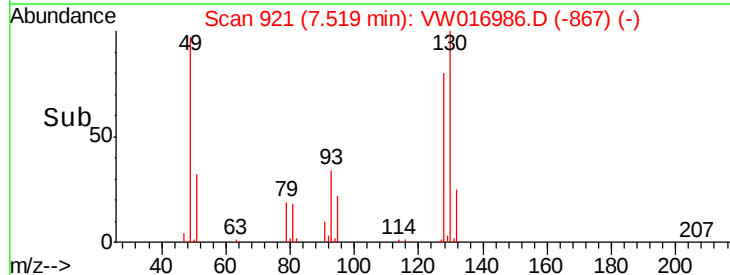
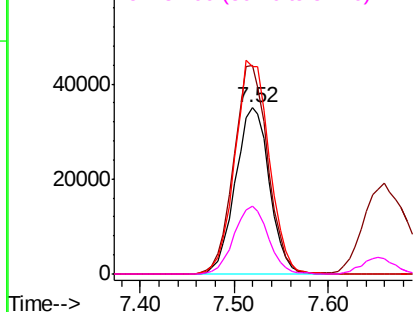
#23

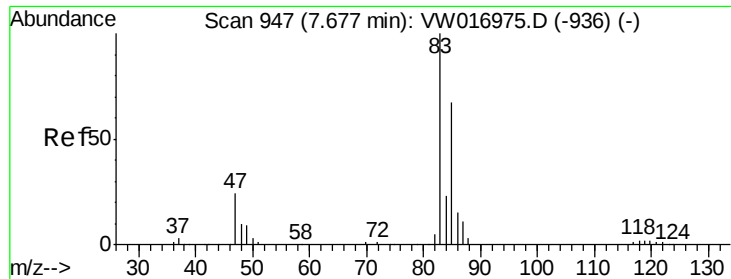
Bromochloromethane
 Concen: 26.909 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 128 Resp: 88727
 Ion Ratio Lower Upper
 128 100
 49 125.6 86.4 160.4
 130 124.9 86.4 160.4
 51 41.0 30.9 46.3



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

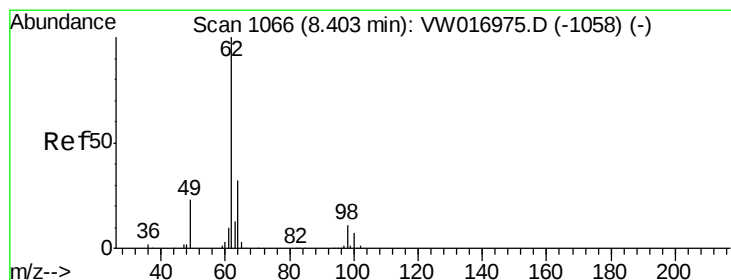
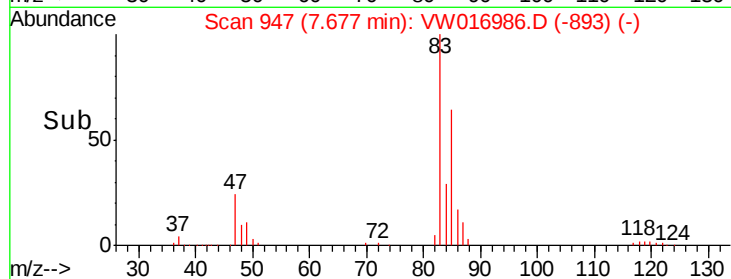
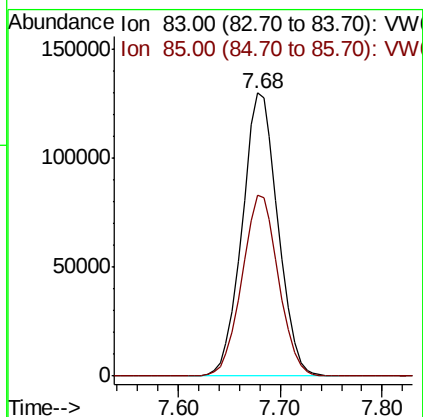
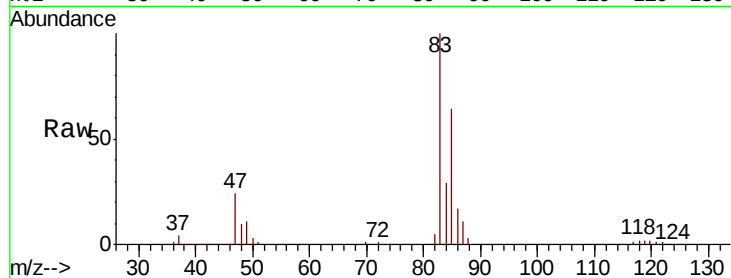




#25
Chloroform
Concen: 27.344 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

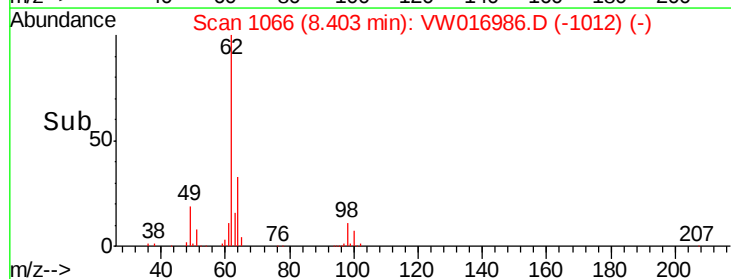
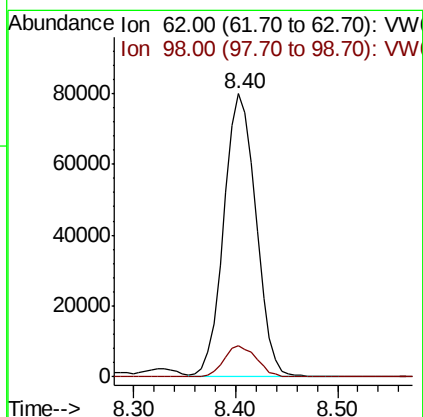
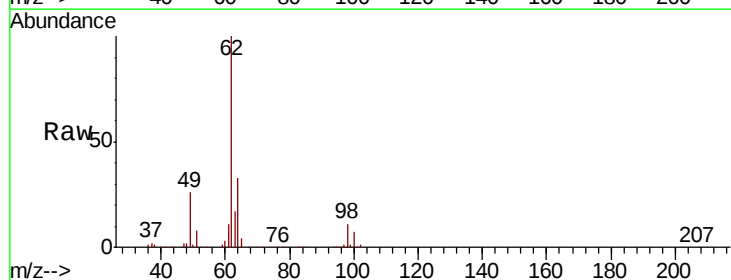
Instrument :
MSVOA_W
ClientSampled :

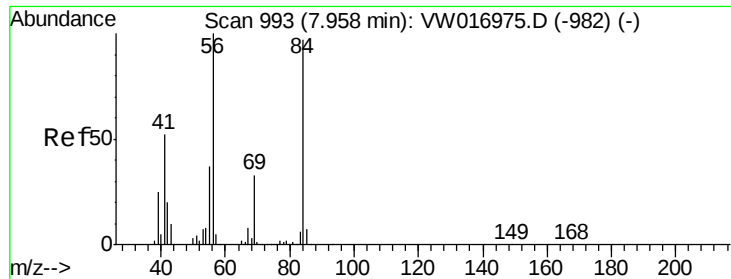
Tot Ion: 83 Resp: 314951
Ion Ratio Lower Upper
83 100
85 65.7 46.6 86.6



#27
1,2-Dichloroethane
Concen: 26.654 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 62 Resp: 174828
Ion Ratio Lower Upper
62 100
98 11.2 8.5 12.7

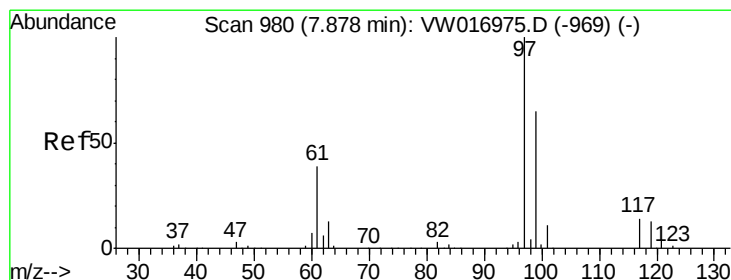
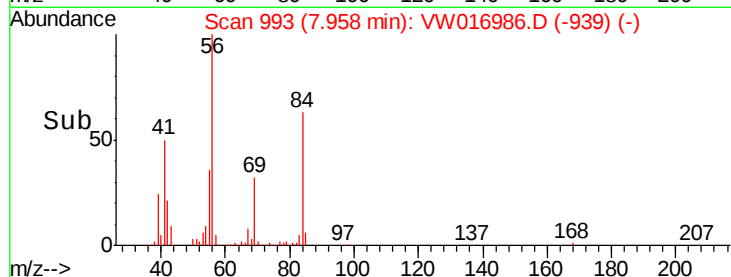
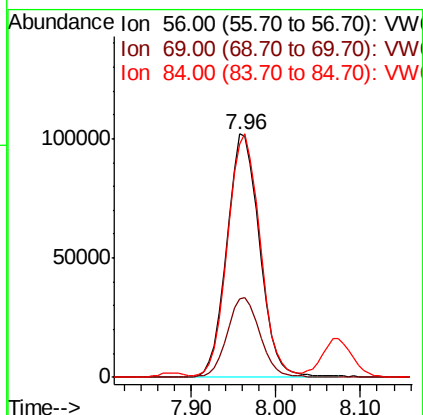
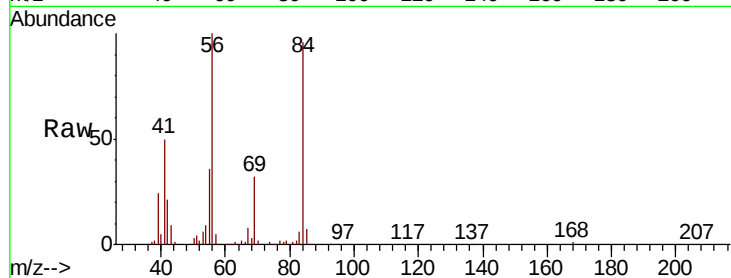




#30
Cyclohexane
Concen: 27.535 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

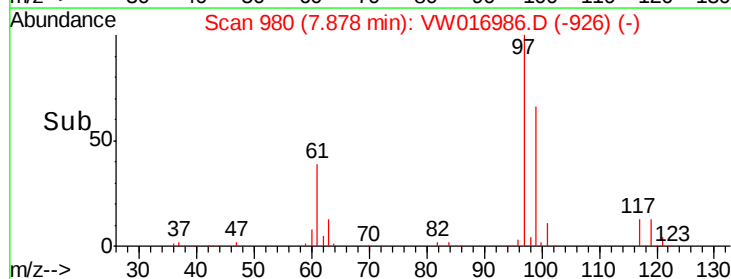
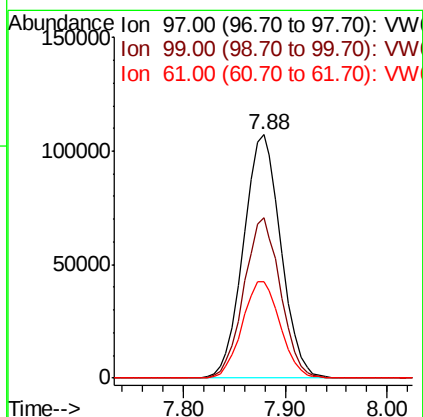
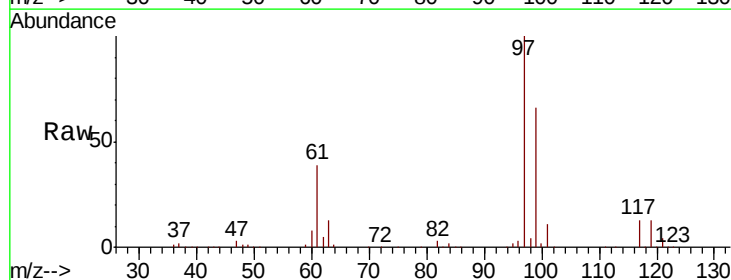
Instrument :
MSVOA_W
ClientSampled :

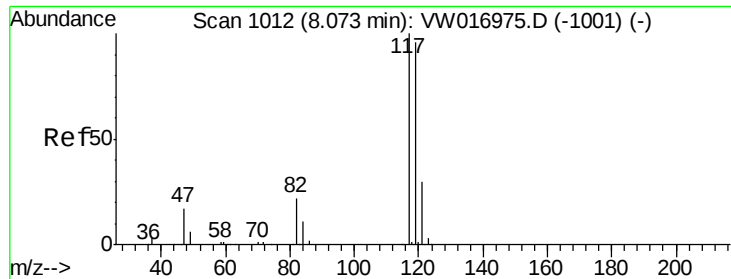
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.0	39.0
84	98.7	78.6	118.0



#31
1,1,1-Trichloroethane
Concen: 26.880 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016986.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	40.5	31.8	47.8





#32

Carbon tetrachloride

Concen: 27.291 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

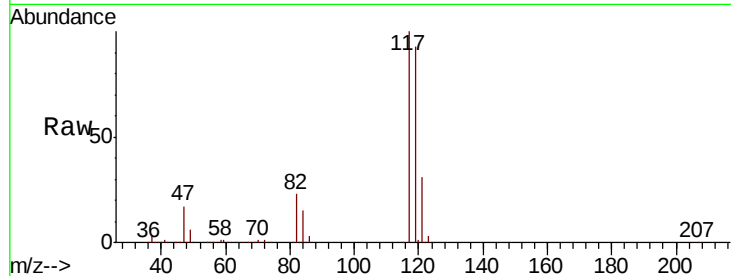
ClientSampled :

Tot Ion:117 Resp: 265746

Ion Ratio Lower Upper

117 100

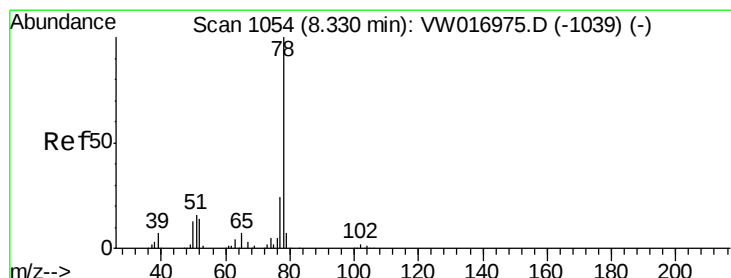
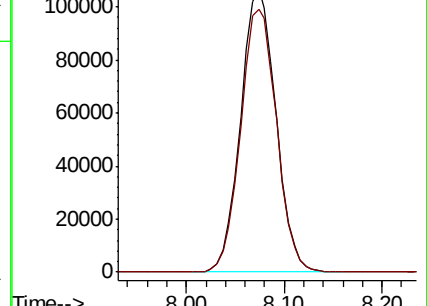
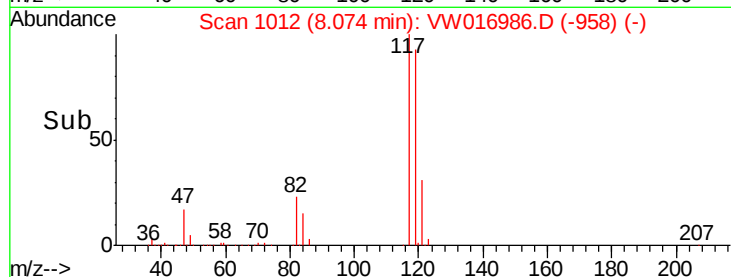
119 94.9 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



#34

Benzene

Concen: 27.149 ug/L

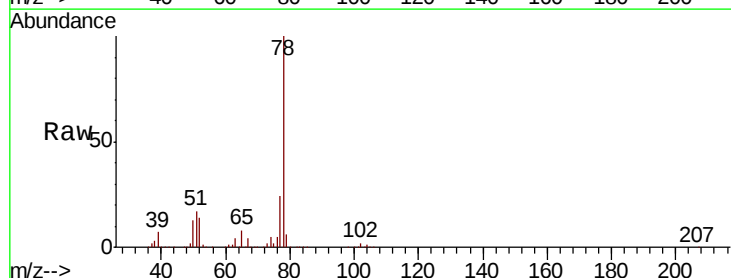
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016986.D

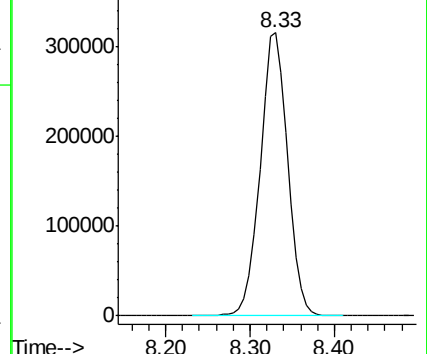
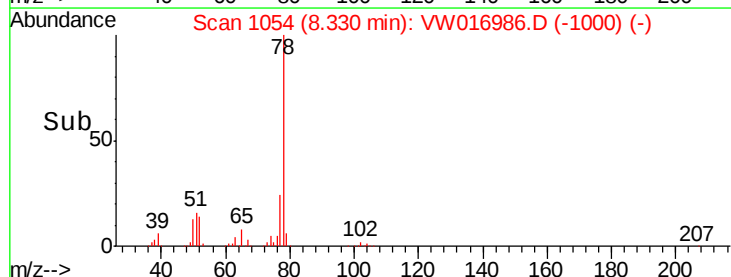
Acq: 23 Oct 2020 16:55

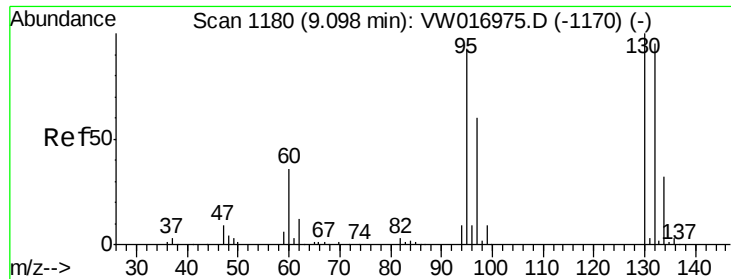
Tgt Ion: 78 Resp: 702773



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

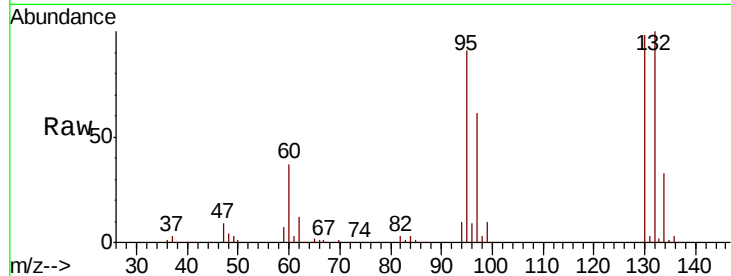




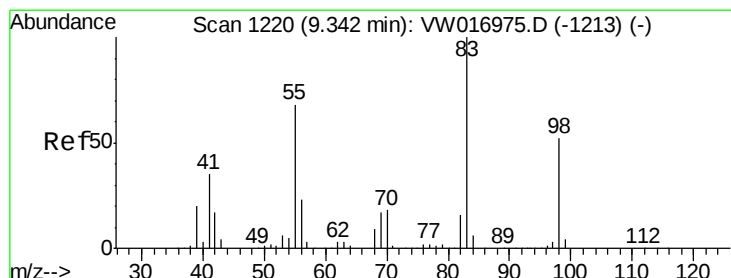
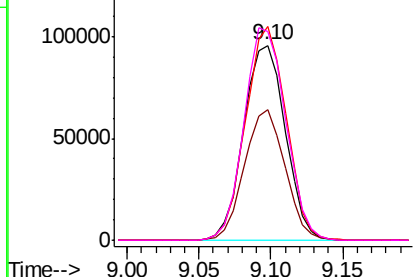
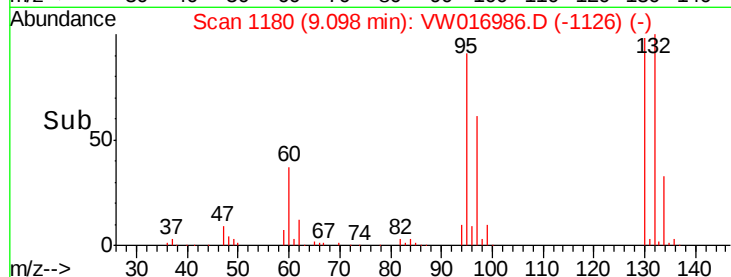
#35
 Trichloroethene
 Concen: 26.809 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	192198
Ion	Ratio	Lower	Upper
95	100		
97	65.3	46.0	85.4
132	107.0	73.9	137.3
130	109.0	77.6	144.2

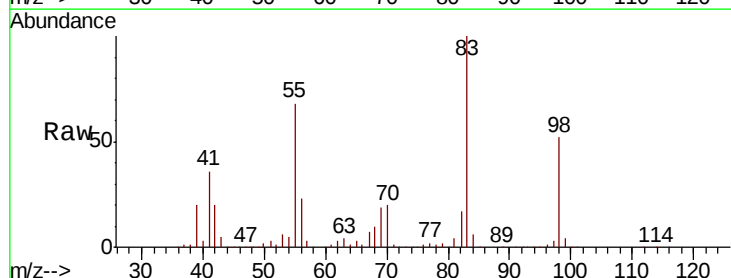


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

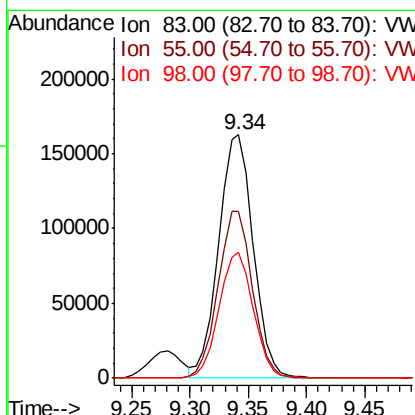
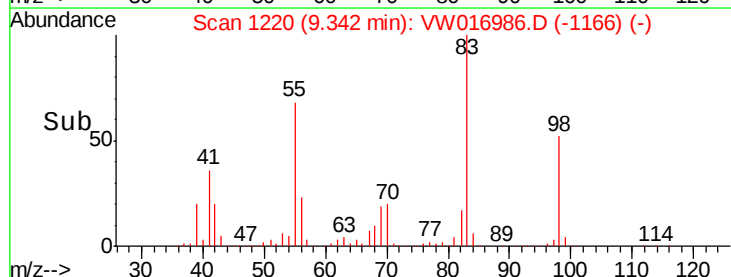


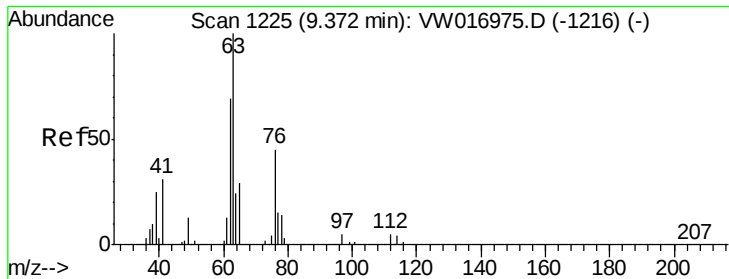
#36
 Methylcyclohexane
 Concen: 27.713 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion:	83	Resp:	333662
Ion	Ratio	Lower	Upper
83	100		
55	68.4	54.5	81.7
98	51.6	40.8	61.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

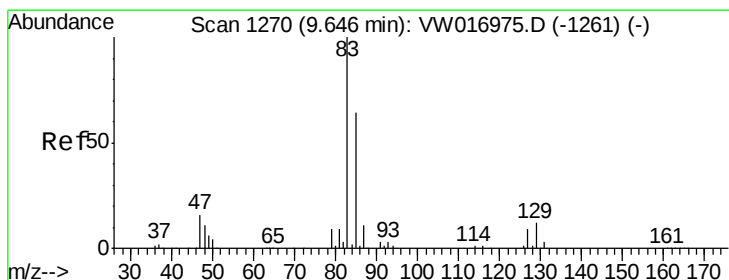
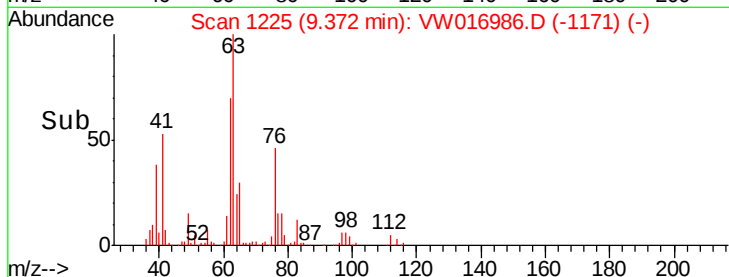
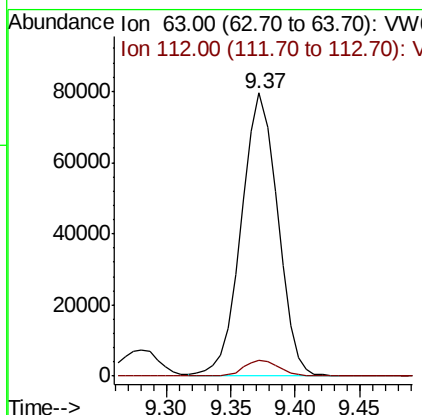
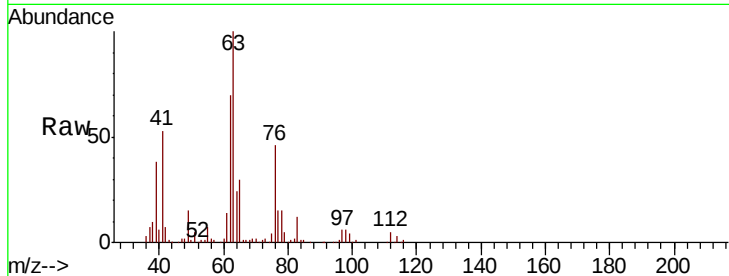




#40
 1,2-Dichloropropane
 Concen: 26.919 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

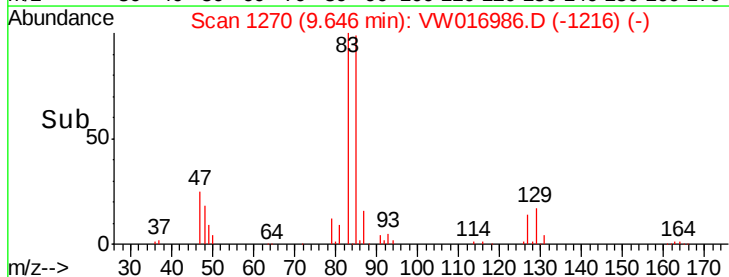
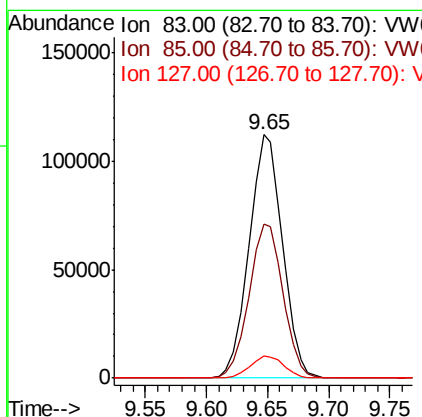
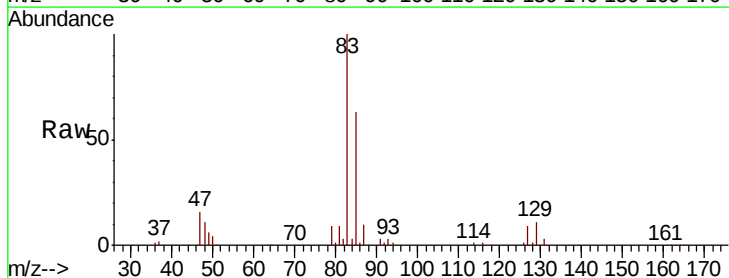
Instrument :
 MSVOA_W
 ClientSampled :

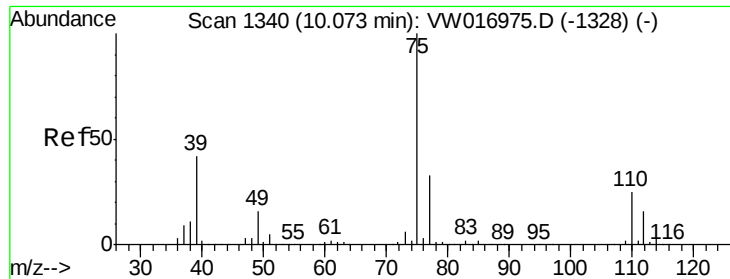
Tot Ion: 63 Resp: 155616
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.242 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 83 Resp: 213747
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.9
 127 9.1 7.8 11.6

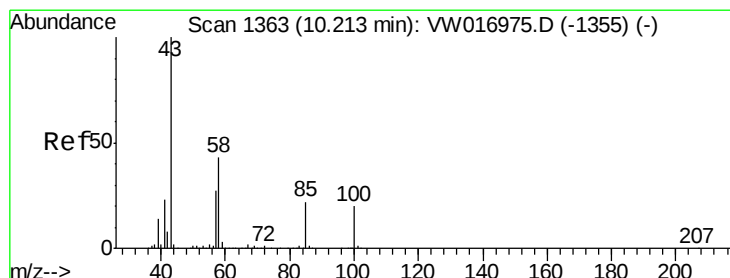
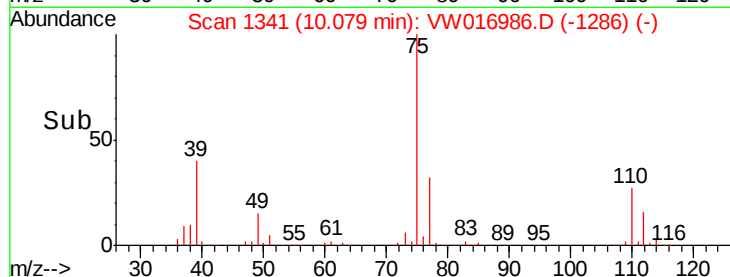
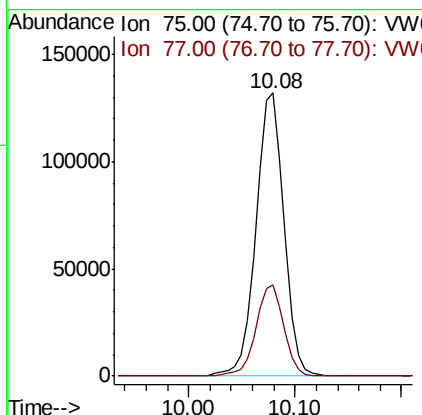
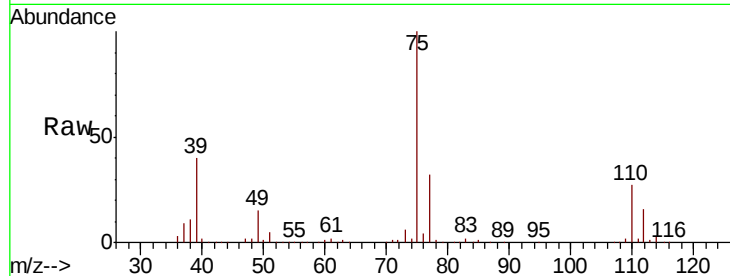




#42
 cis-1,3-Dichloropropene
 Concen: 26.925 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

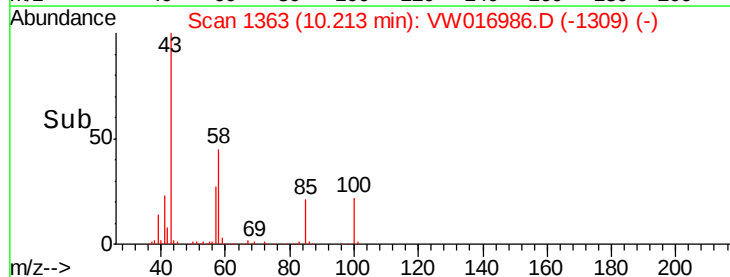
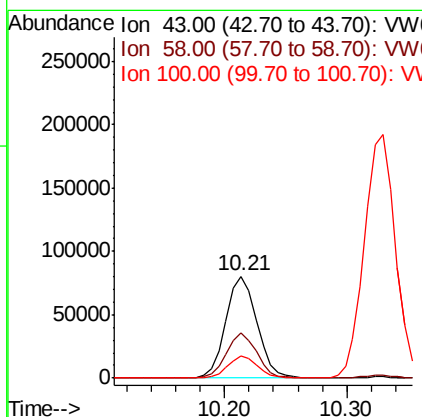
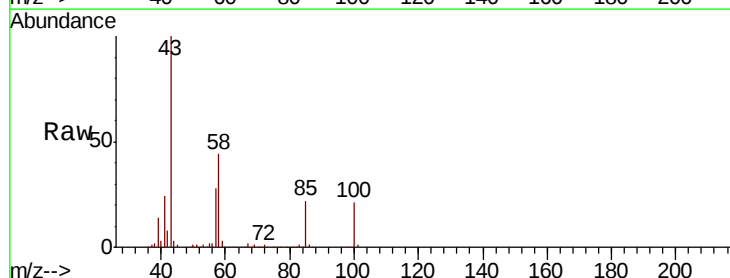
Instrument :
 MSVOA_W
 ClientSampled :

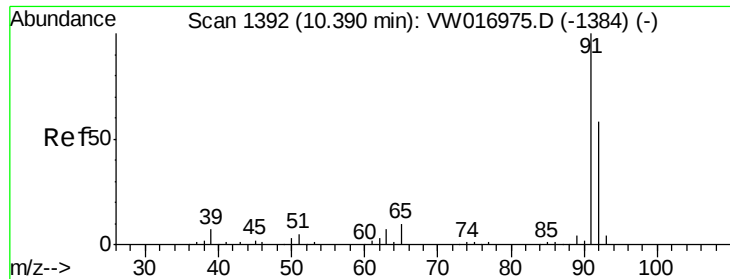
Tot Ion: 75 Resp: 243398
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 51.963 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 43 Resp: 142394
 Ion Ratio Lower Upper
 43 100
 58 43.1 34.4 51.6
 100 20.8 16.2 24.2





#44

Toluene

Concen: 27.665 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

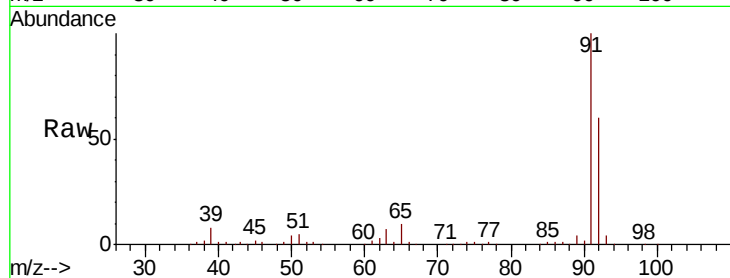
ClientSampleId :

Tot Ion: 91 Resp: 775898

Ion Ratio Lower Upper

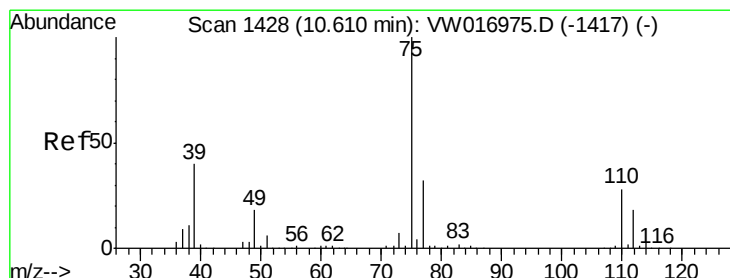
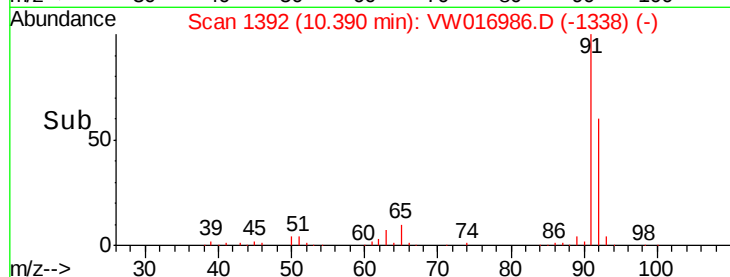
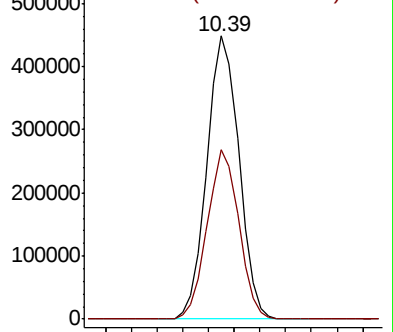
91 100

92 59.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 27.208 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016986.D

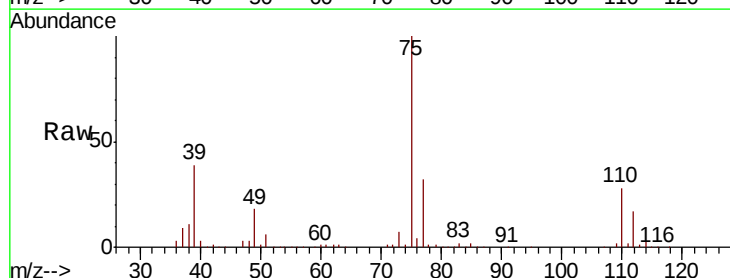
Acq: 23 Oct 2020 16:55

Tgt Ion: 75 Resp: 203744

Ion Ratio Lower Upper

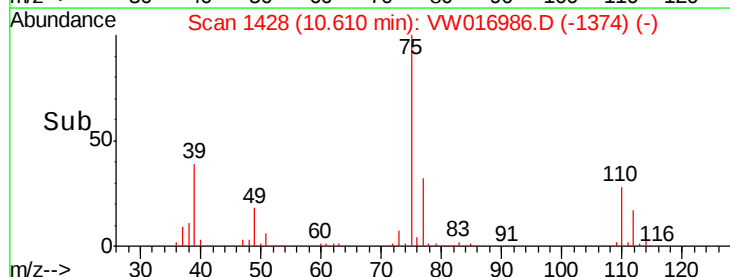
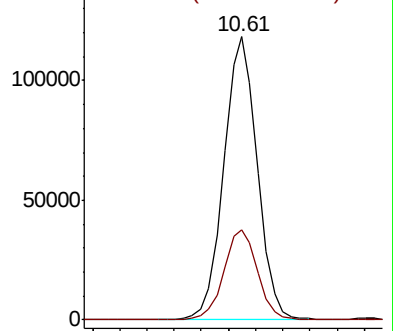
75 100

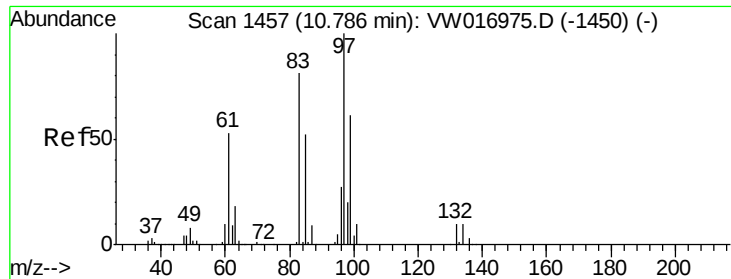
77 32.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

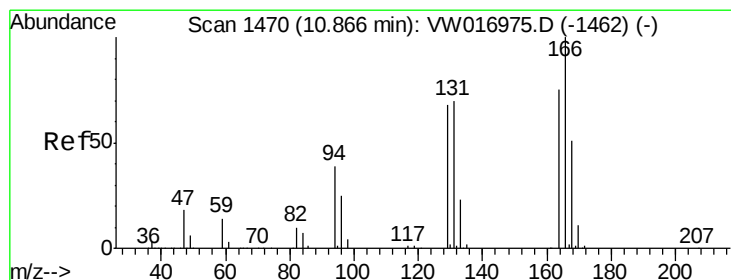
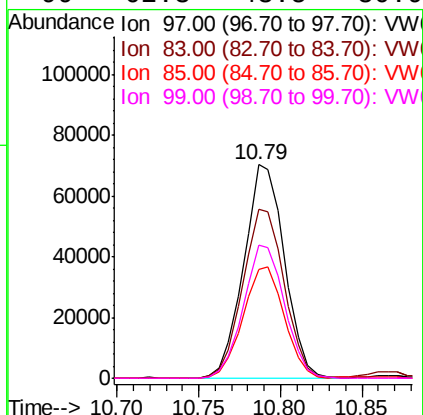
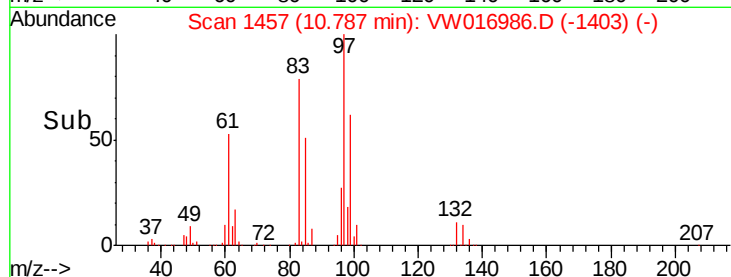
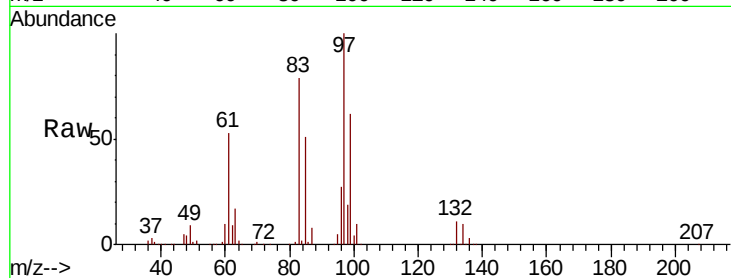




#46
 1,1,2-Trichloroethane
 Concen: 26.515 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

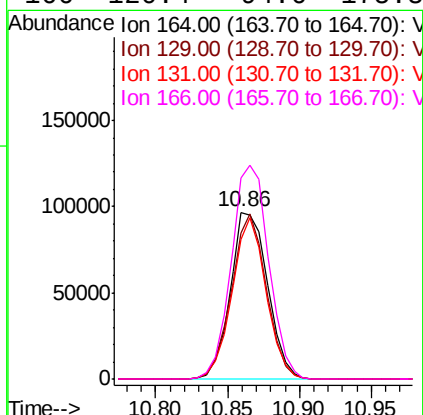
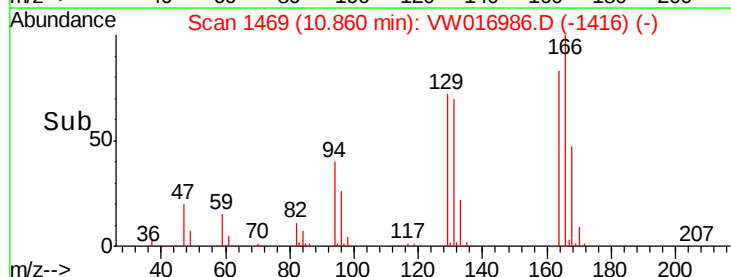
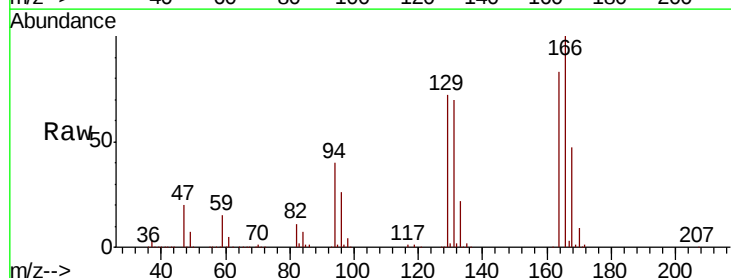
Instrument :
 MSVOA_W
 ClientSampled :

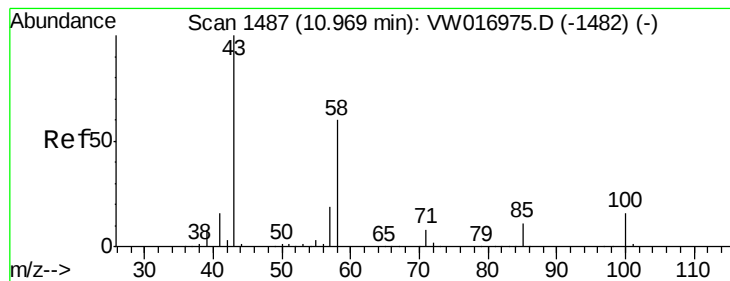
Tot Ion:	97	Resp:	122693
Ion	Ratio	Lower	Upper
97	100		
83	79.3	56.6	105.0
85	51.2	34.6	64.3
99	62.3	43.5	80.9



#47
 Tetrachloroethene
 Concen: 26.402 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion:	164	Resp:	174115
Ion	Ratio	Lower	Upper
164	100		
129	87.2	64.0	119.0
131	83.9	61.7	114.5
166	120.4	94.6	175.8





#49

2-Hexanone

Concen: 53.075 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 92691

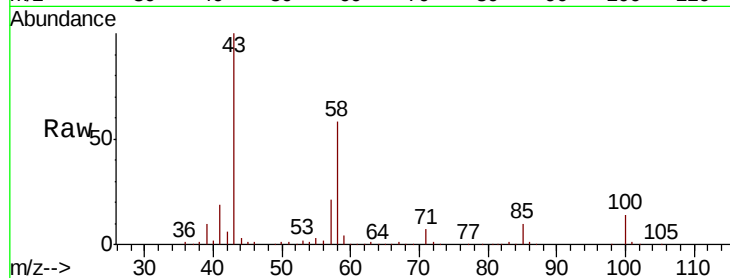
Ion Ratio Lower Upper

43 100

58 62.2 49.2 73.8

57 21.1 17.0 25.4

100 16.1 13.2 19.8

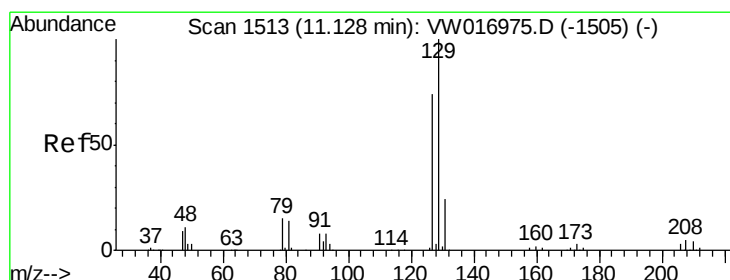
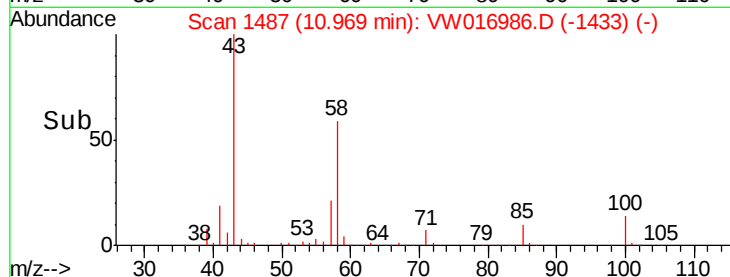
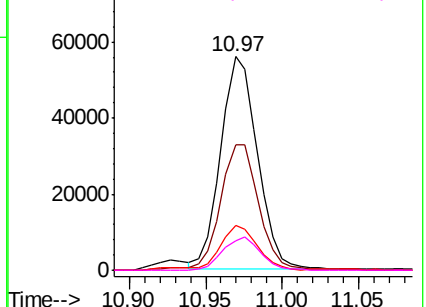


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.331 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016986.D

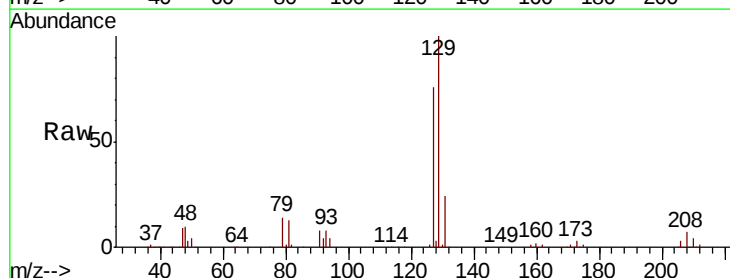
Acq: 23 Oct 2020 16:55

Tgt Ion: 129 Resp: 154065

Ion Ratio Lower Upper

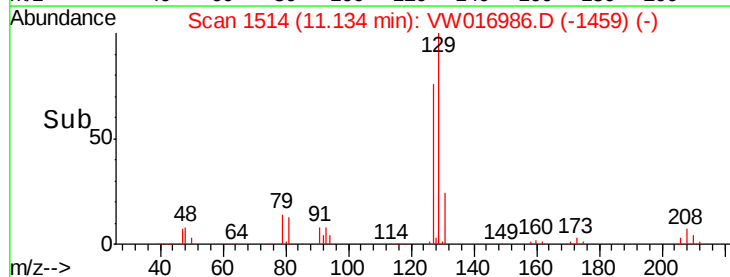
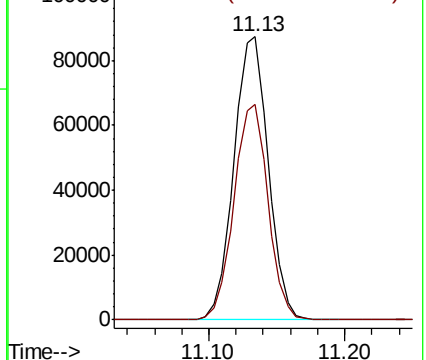
129 100

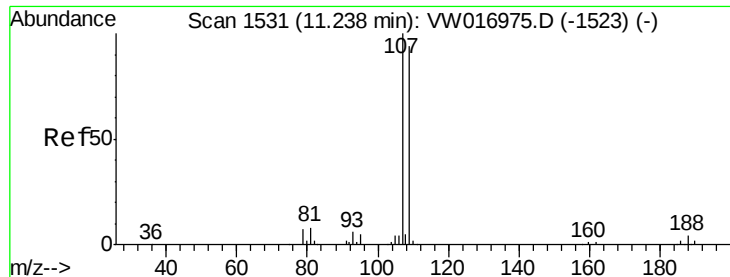
127 76.1 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

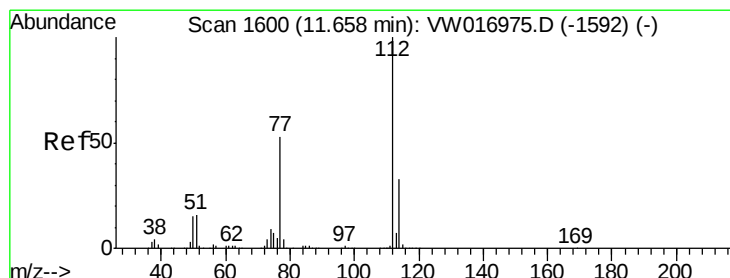
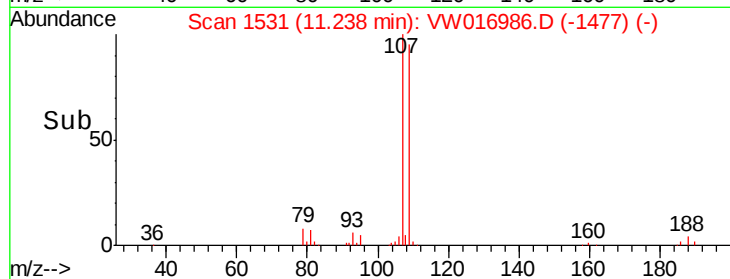
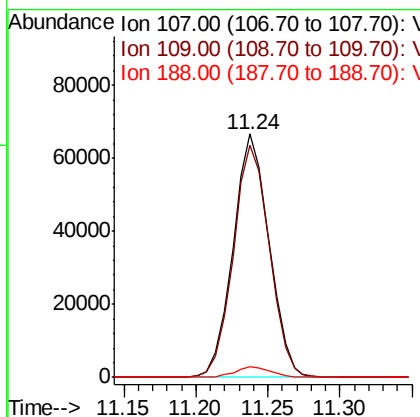
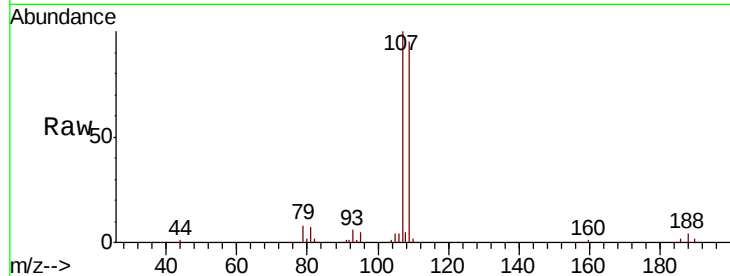




#51
 1,2-Dibromoethane
 Concen: 26.225 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

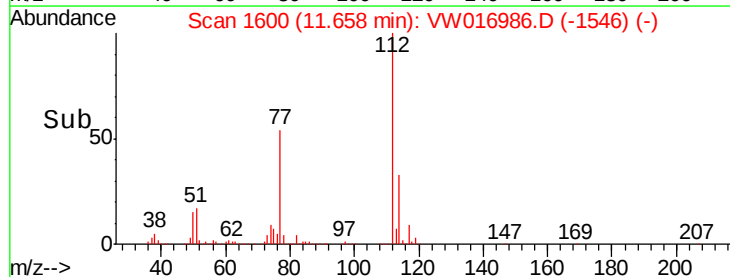
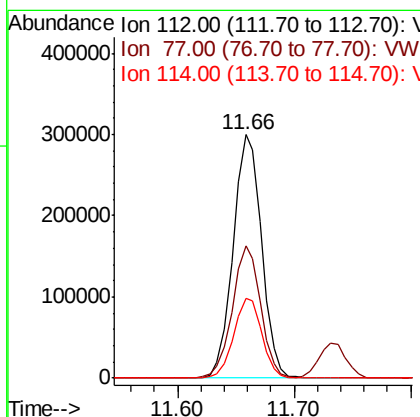
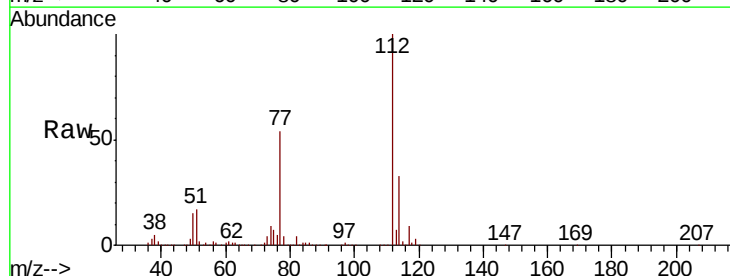
Instrument :
 MSVOA_W
 ClientSampleId :

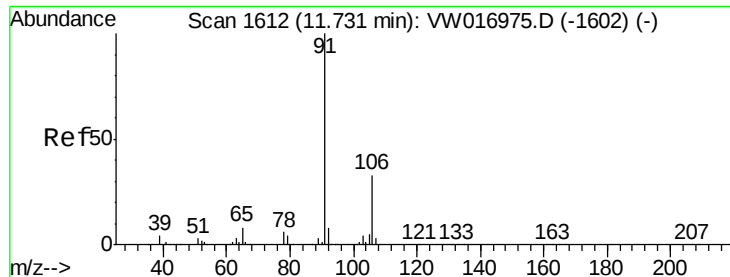
Tot Ion	107	Resp	115692
Ion Ratio	Lower	Upper	
107	100		
109	95.3	65.7	121.9
188	4.4	3.1	4.7



#52
 Chlorobenzene
 Concen: 27.147 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	112	Resp	508975
Ion Ratio	Lower	Upper	
112	100		
77	54.3	42.5	63.7
114	32.7	22.3	41.3





#53

Ethylbenzene

Concen: 27.550 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

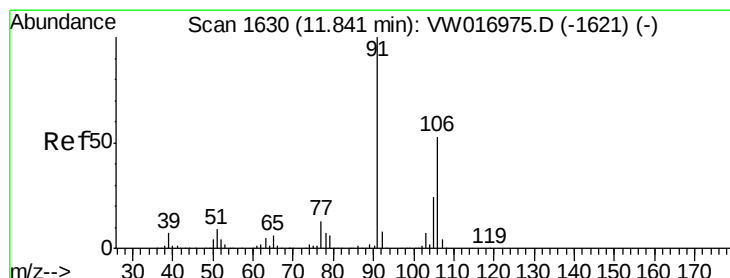
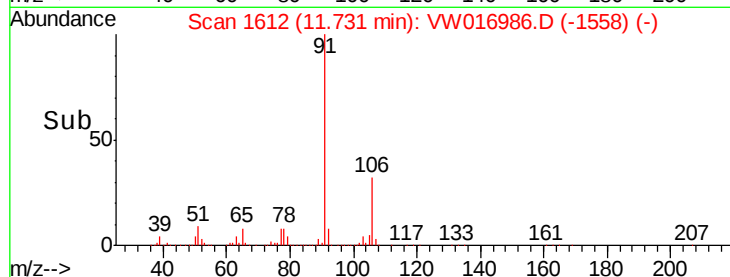
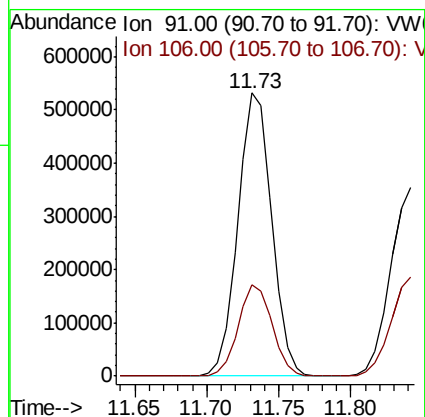
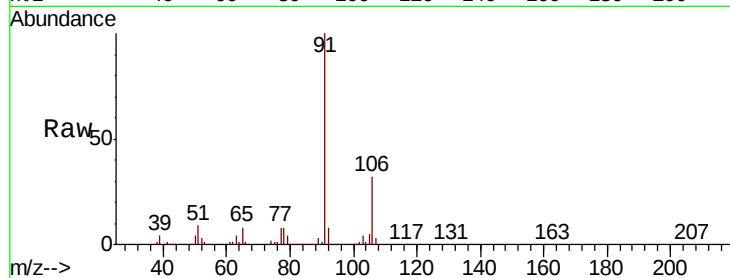
ClientSampleId :

Tot Ion: 91 Resp: 867738

Ion Ratio Lower Upper

91 100

106 32.5 22.5 41.7



#54

m,p-Xylene

Concen: 27.822 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016986.D

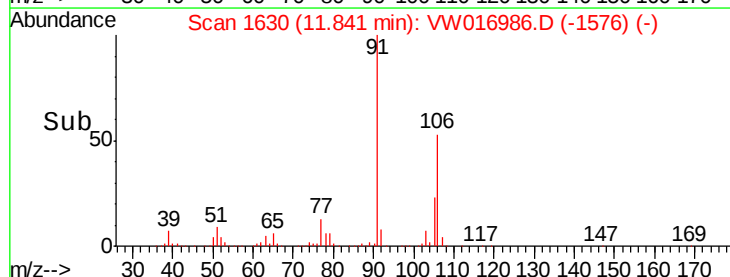
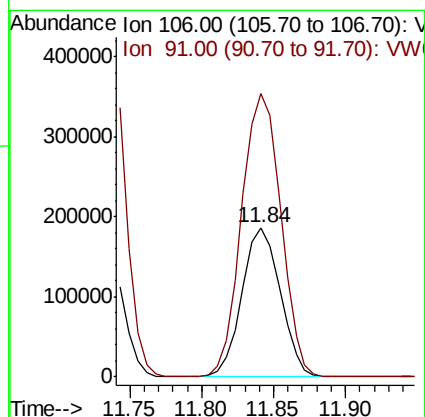
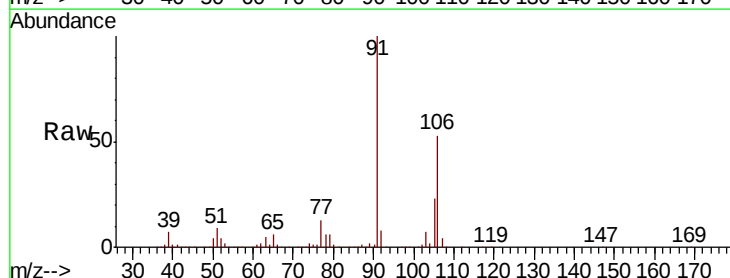
Acq: 23 Oct 2020 16:55

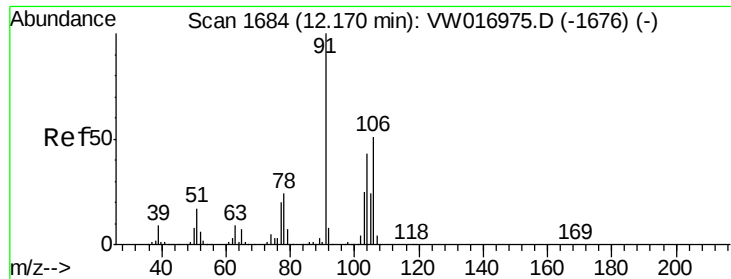
Tgt Ion: 106 Resp: 344752

Ion Ratio Lower Upper

106 100

91 189.2 134.2 249.2





#55

o-xylene

Concen: 28.224 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

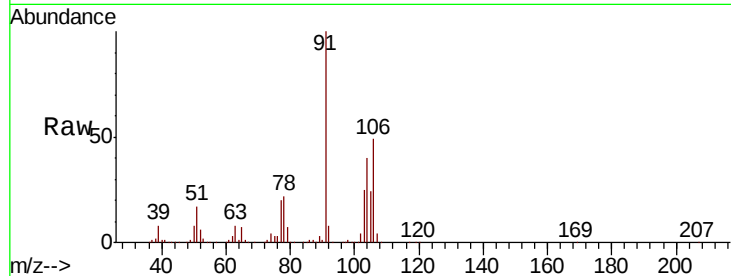
ClientSampled :

Tot Ion:106 Resp: 323971

Ion Ratio Lower Upper

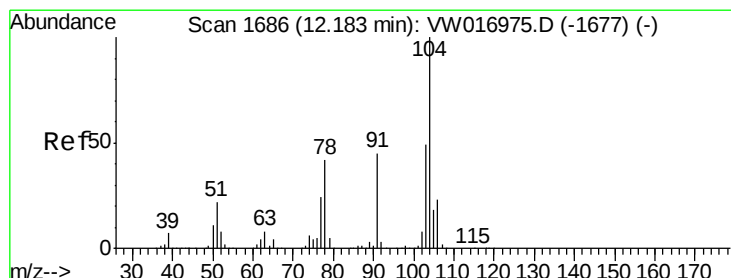
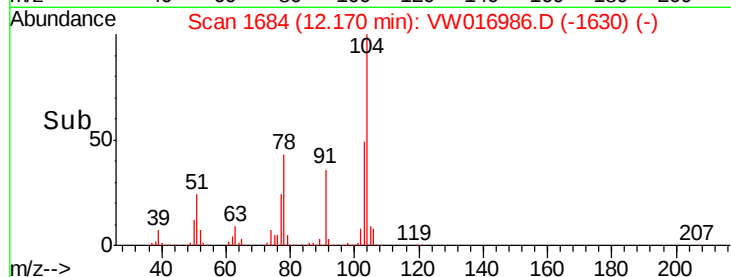
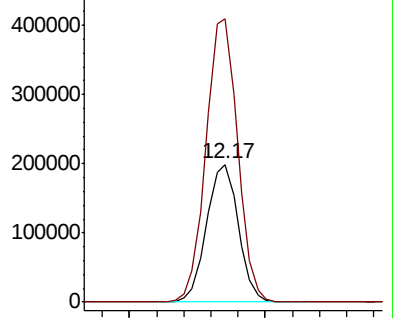
106 100

91 205.1 150.9 280.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.416 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016986.D

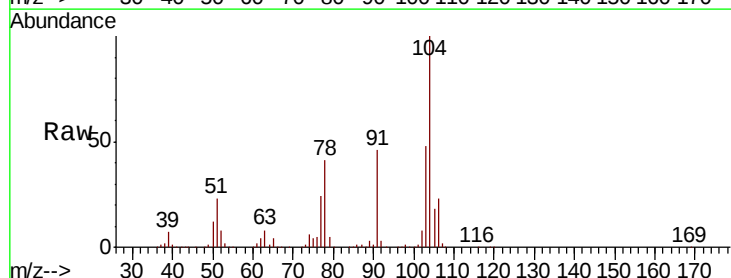
Acq: 23 Oct 2020 16:55

Tgt Ion:104 Resp: 545665

Ion Ratio Lower Upper

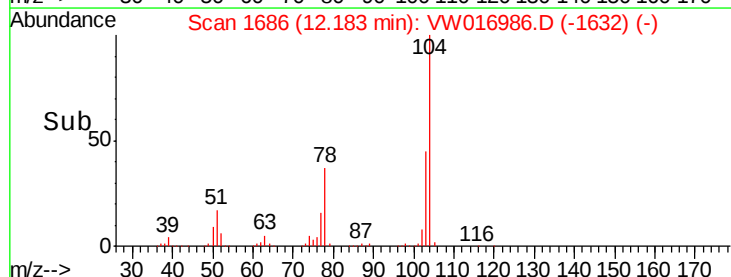
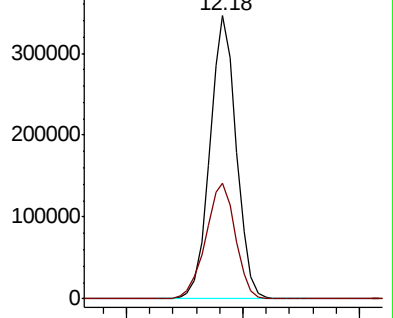
104 100

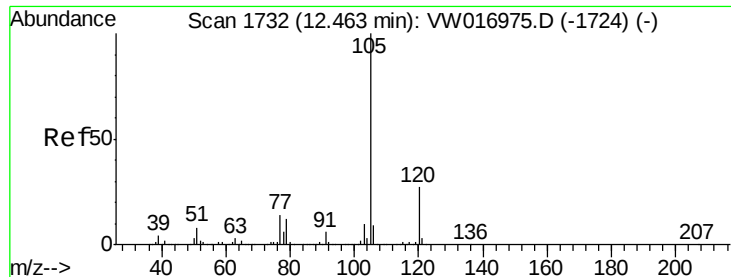
78 41.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.092 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016986.D

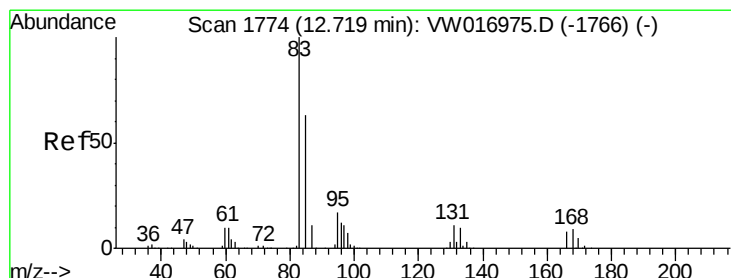
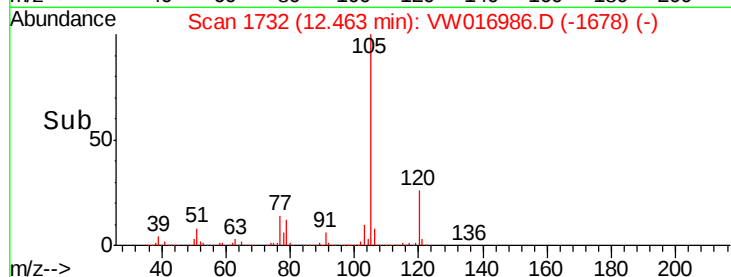
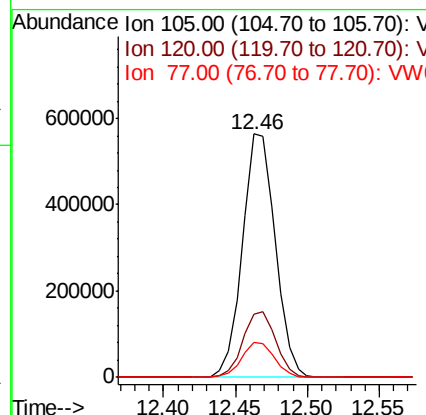
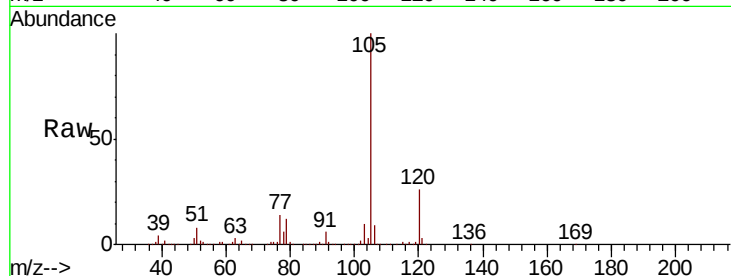
Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	891897
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.4	32.2
77	14.4	11.4	17.2



#58

1,1,2,2-Tetrachloroethane

Concen: 26.292 ug/L

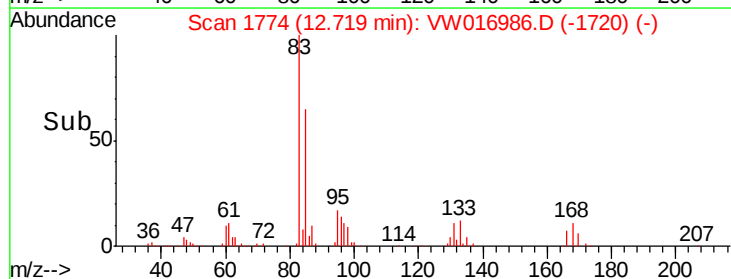
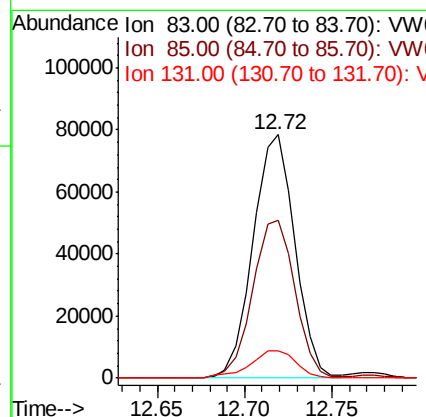
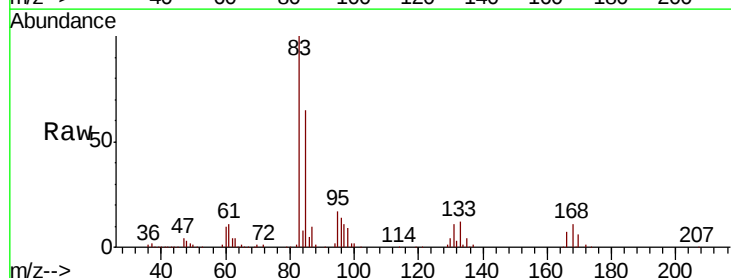
RT: 12.72 min Scan# 1774

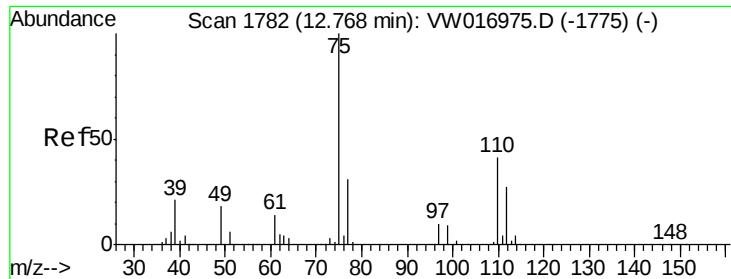
Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	83	Resp:	130584
Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.1	83.7
131	11.0	9.1	13.7

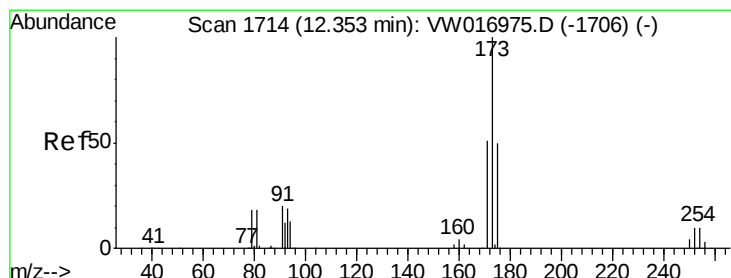
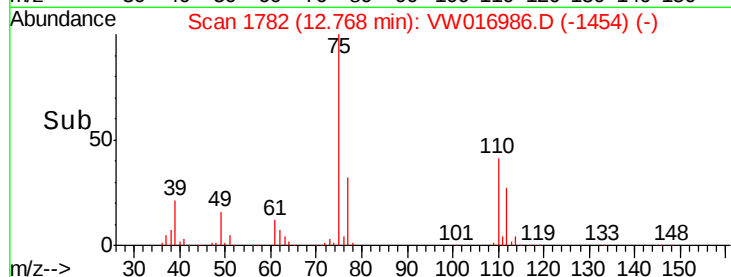
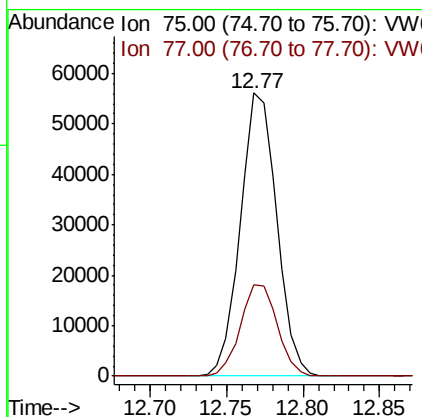
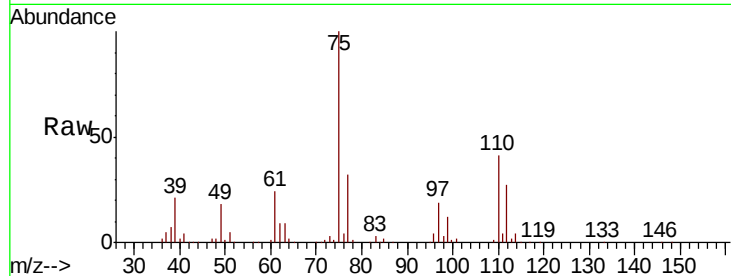




#59
 1,2,3-Trichloropropane
 Concen: 26.090 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

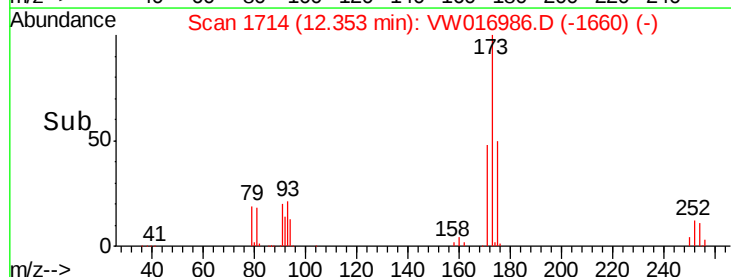
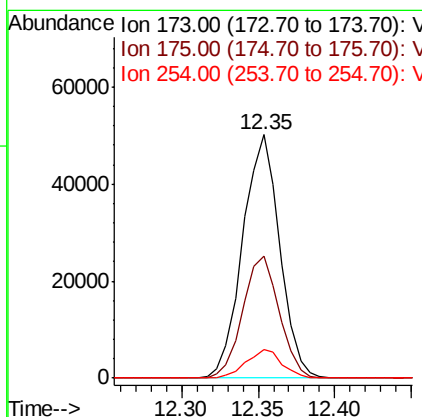
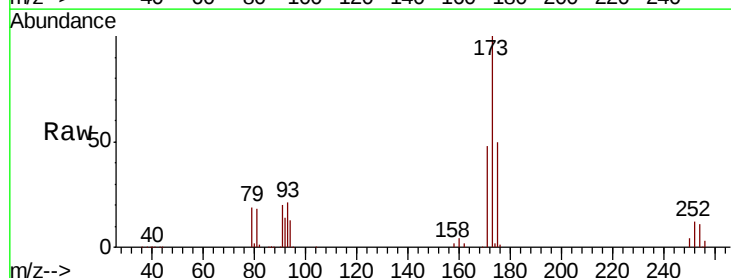
Instrument :
 MSVOA_W
 ClientSampled :

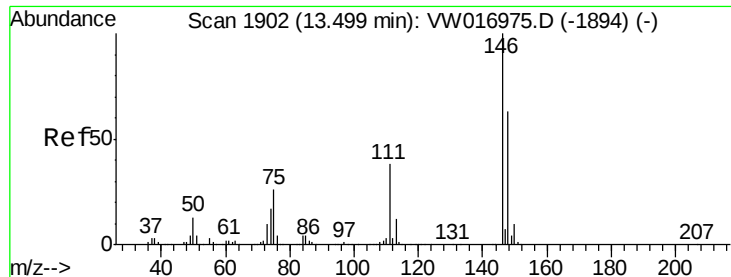
Tot Ion: 75 Resp: 92733
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



#62
 Bromoform
 Concen: 25.095 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 173 Resp: 84418
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.3 57.5
 254 11.1 7.8 11.6

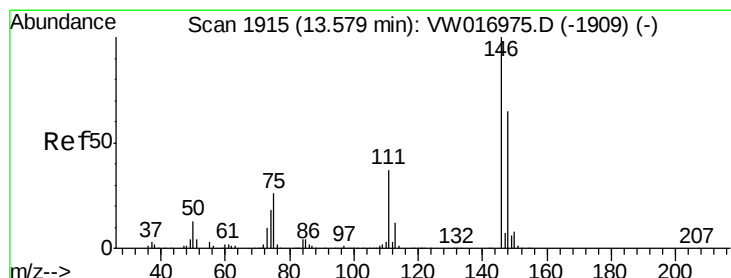
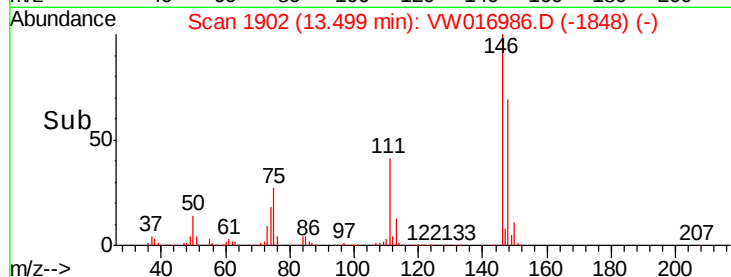
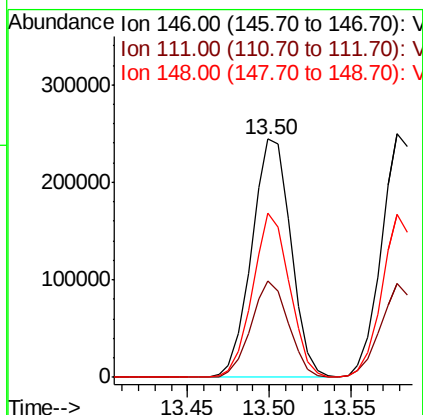
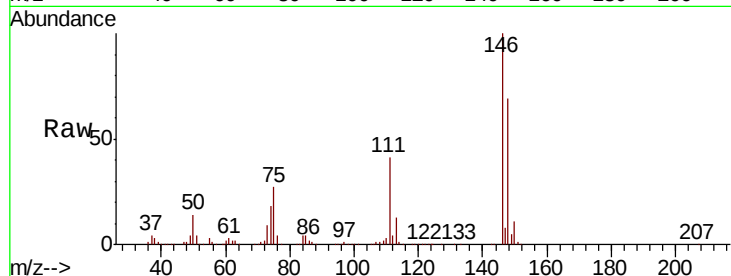




#63
 1,3-Dichlorobenzene
 Concen: 26.375 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

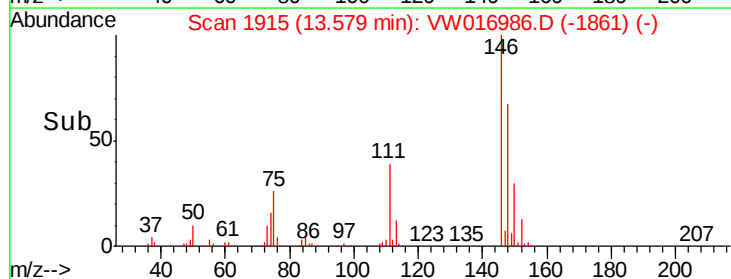
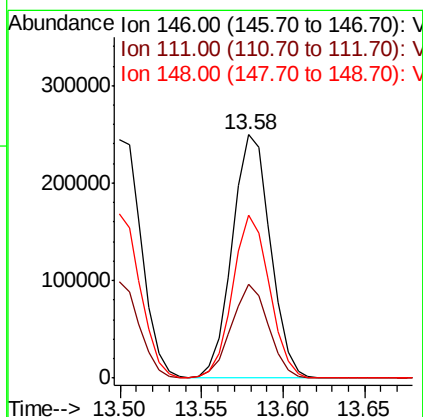
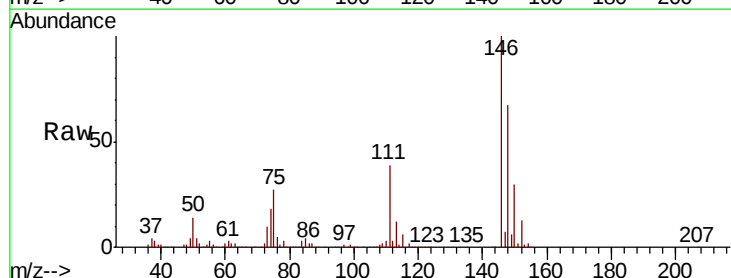
Instrument :
 MSVOA_W
 ClientSampleId :

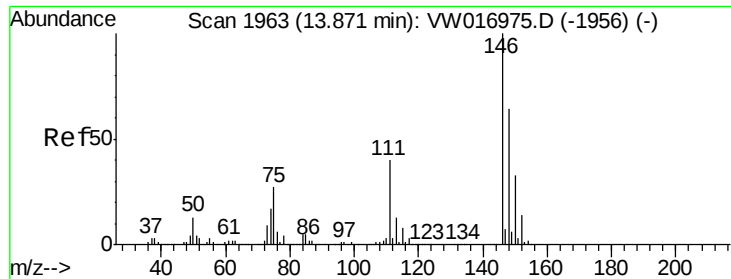
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	25.5	47.3
148	68.9	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 26.410 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	25.7	47.7
148	66.9	44.3	82.3

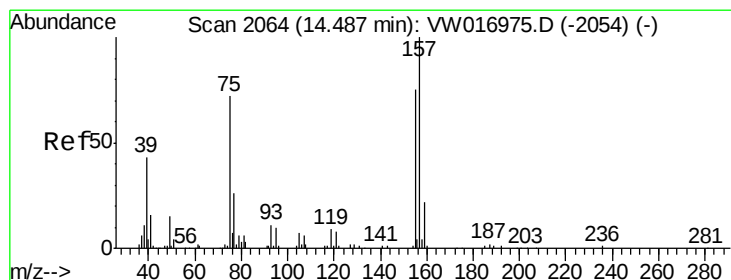
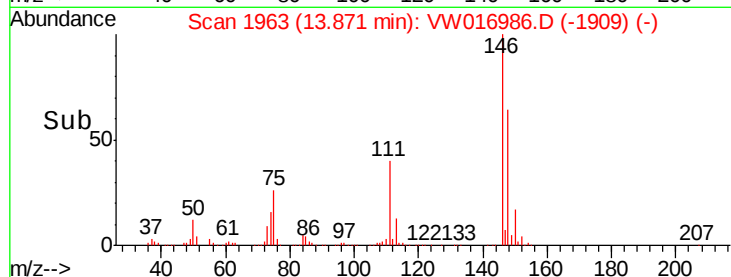
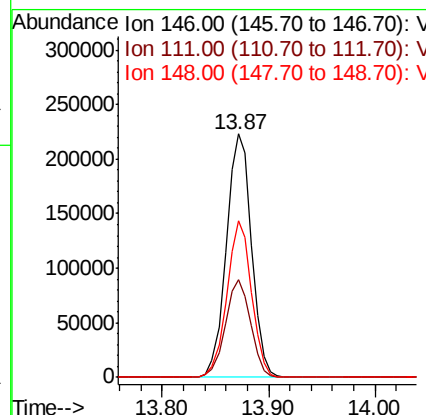
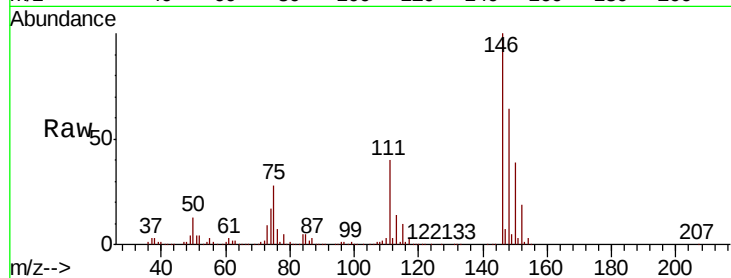




#65
 1,2-Dichlorobenzene
 Concen: 26.911 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

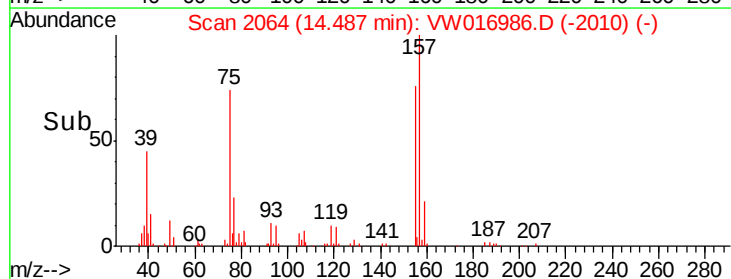
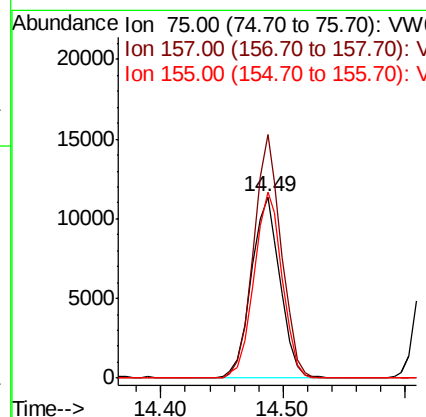
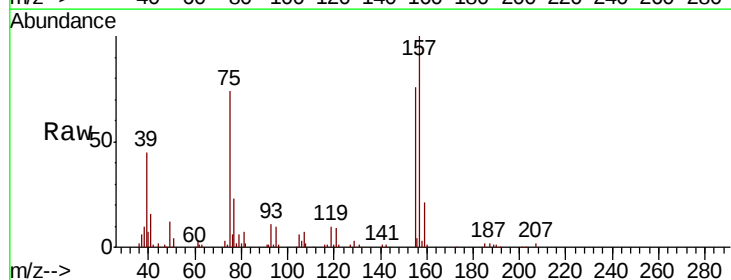
Instrument :
 MSVOA_W
 ClientSampleId :

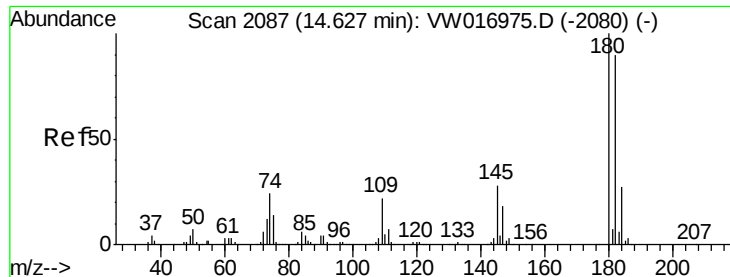
Tot Ion:146 Resp: 366690
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.4 47.0
 148 64.4 47.7 71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.205 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 75 Resp: 18683
 Ion Ratio Lower Upper
 75 100
 157 134.4 102.5 153.7
 155 102.8 80.3 120.5

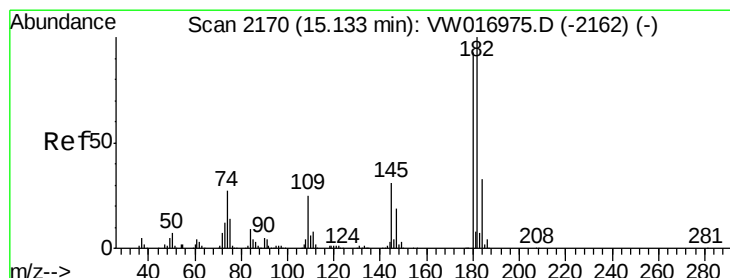
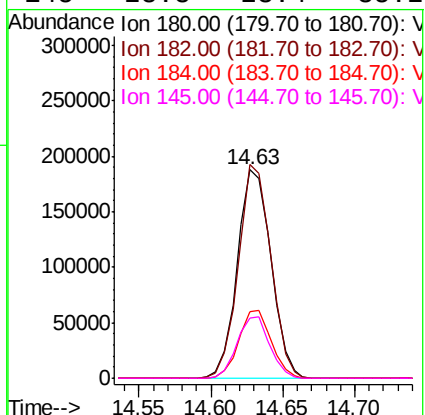
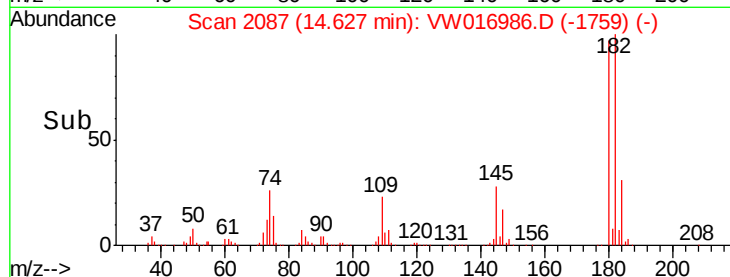
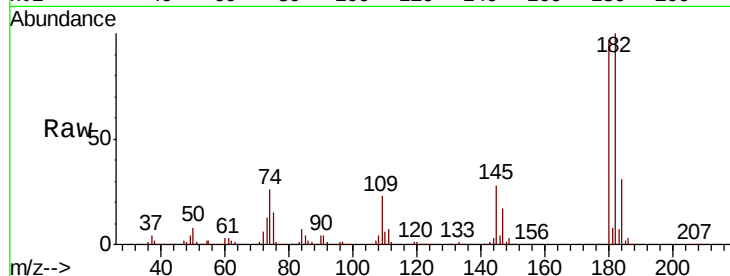




#67
 1,3,5-Trichlorobenzene
 Concen: 26.977 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

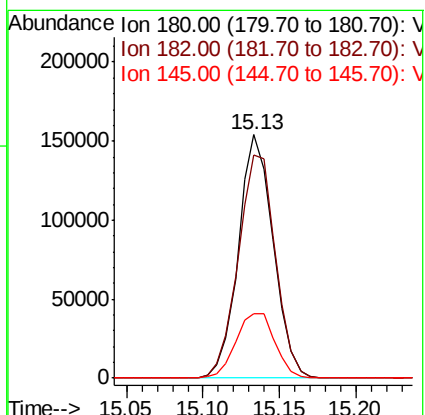
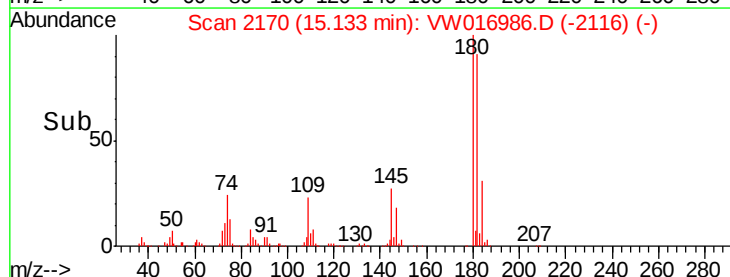
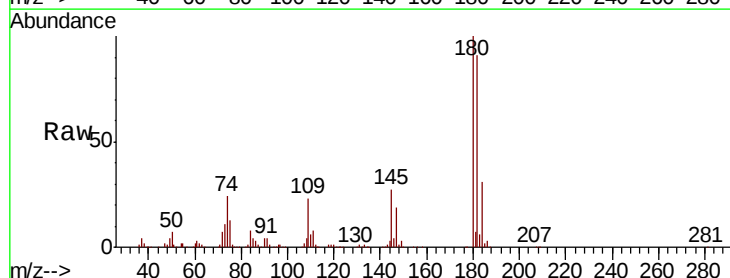
Instrument :
 MSVOA_W
 ClientSampleId :

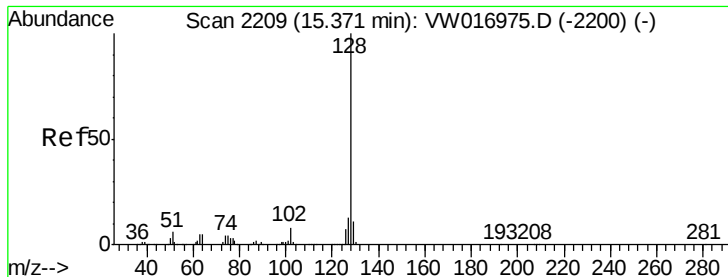
Tot Ion:180	Resp:	304989
Ion	Ratio	Lower Upper
180	100	
182	98.6	77.4 116.0
184	31.3	24.8 37.2
145	28.8	23.4 35.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.831 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016986.D
 Acq: 23 Oct 2020 16:55

Tgt Ion:180	Resp:	243886
Ion	Ratio	Lower Upper
180	100	
182	97.7	76.6 114.8
145	29.7	23.4 35.0





#69

Naphthalene

Concen: 27.788 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

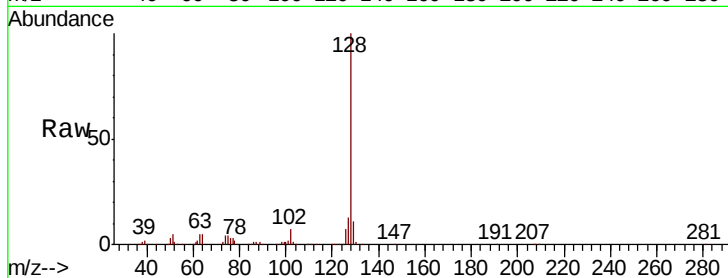
Tot Ion:128 Resp: 394979

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

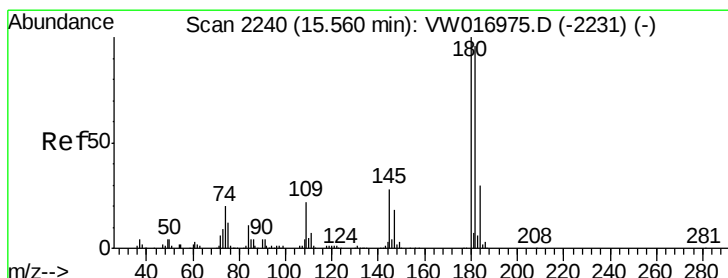
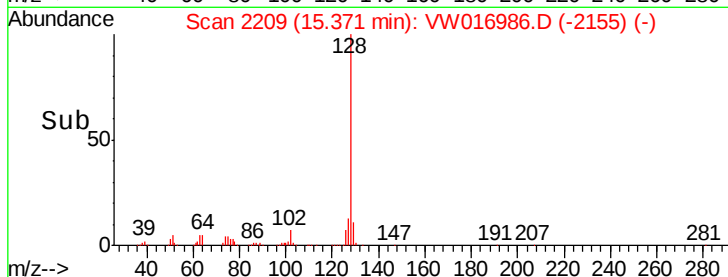
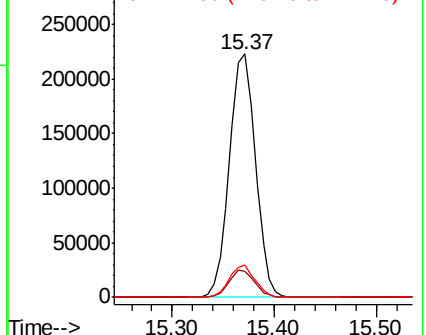
127 12.8 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.423 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016986.D

Acq: 23 Oct 2020 16:55

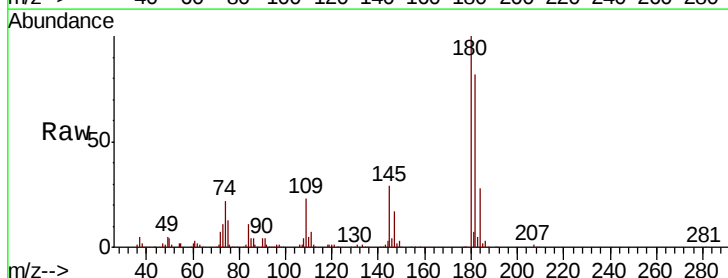
Tgt Ion:180 Resp: 217048

Ion Ratio Lower Upper

180 100

182 93.5 76.8 115.2

145 30.9 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

