

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
 Data File : VW015998.D
 Acq On : 30 Jul 2020 08:31
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 31 06:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 30 18:57:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	441522	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	403486	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	109655	17.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.40%
7) Chloroethane-d5	2.90	69	107593	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
10) 1,1-Dichloroethene-d2	4.01	63	276246	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.72%
20) 2-Butanone-d5	7.09	46	77454	47.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.66%
24) Chloroform-d	7.65	84	285713	23.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.16%
26) 1,2-Dichloroethane-d4	8.31	65	145661	21.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.60%
29) Benzene-d6	8.27	84	552508	22.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.00%
33) 1,2-Dichloropropane-d6	9.27	67	170570	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.68%
37) Toluene-d8	10.32	98	492076	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.48%
38) trans-1,3-Dichloropropene-	10.58	79	66392	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.64%
39) 2-Hexanone-d5	10.93	63	60703	49.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137546	24.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	169515	22.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	103580	27.724	ug/L 97
3) Chloromethane	2.21	50	125820	27.845	ug/L 100
5) Vinyl chloride	2.37	62	181105	25.986	ug/L 100
6) Bromomethane	2.79	94	106389	25.588	ug/L 99
8) Chloroethane	2.93	64	110449	27.053	ug/L 96
9) Trichlorofluoromethane	3.26	101	147771	31.544	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163340	28.524	ug/L 99
12) 1,1-Dichloroethene	4.04	96	156981	27.659	ug/L 89
13) Acetone	4.14	43	72067	52.437	ug/L 96
14) Carbon disulfide	4.38	76	464791	25.930	ug/L 99
15) Methyl Acetate	4.68	43	66504	25.664	ug/L 98
16) Methylene chloride	4.92	84	166836	23.060	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	219136	27.303	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	160868	26.840	ug/L 99
19) 1,1-Dichloroethane	6.22	63	303472	27.476	ug/L 99
21) 2-Butanone	7.18	43	91111	53.610	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	169629	27.051	ug/L 97

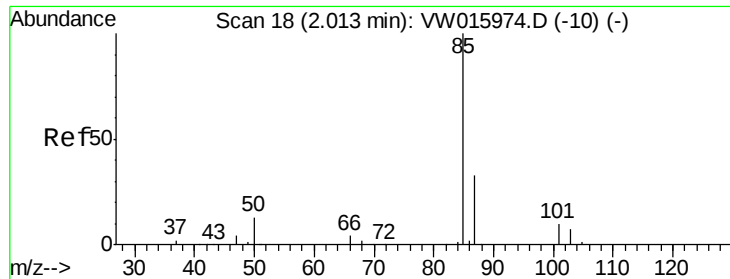
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 30 18:57:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	74650	27.149	ug/L	95
25) Chloroform	7.68	83	299732	27.382	ug/L	98
27) 1,2-Dichloroethane	8.40	62	184936	24.829	ug/L	100
30) Cyclohexane	7.96	56	275805	27.109	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	252964	26.850	ug/L	99
32) Carbon tetrachloride	8.07	117	228037	26.692	ug/L	100
34) Benzene	8.32	78	677171	27.633	ug/L	100
35) Trichloroethene	9.09	95	172453	26.602	ug/L	99
36) Methylcyclohexane	9.34	83	304384	27.364	ug/L	99
40) 1,2-Dichloropropane	9.37	63	168240	27.712	ug/L	100
41) Bromodichloromethane	9.65	83	206451	26.332	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	248100	26.833	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	184689	52.120	ug/L	98
44) Toluene	10.39	91	707495	27.526	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	215505	26.890	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	116326	26.646	ug/L	98
47) Tetrachloroethene	10.87	164	135082	26.845	ug/L	97
49) 2-Hexanone	10.97	43	135390	53.841	ug/L	98
50) Dibromochloromethane	11.13	129	136964	27.099	ug/L	97
51) 1,2-Dibromoethane	11.24	107	107426	25.723	ug/L	95
52) Chlorobenzene	11.66	112	441641	26.816	ug/L	99
53) Ethylbenzene	11.73	91	792745	27.429	ug/L	98
54) m,p-Xylene	11.84	106	301584	27.891	ug/L	98
55) o-xylene	12.17	106	284076	27.900	ug/L	97
56) Styrene	12.18	104	489759	28.285	ug/L	98
57) Isopropylbenzene	12.47	105	770249	27.790	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	137252	26.774	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	100830	26.251	ug/L	99
62) Bromoform	12.35	173	73708	25.549	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	337348	26.877	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	331088	25.991	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	297712	26.113	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	21359	24.891	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	236625	26.812	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	188466	26.886	ug/L	100
69) Naphthalene	15.37	128	347788	26.335	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	163897	26.241	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 27.724 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

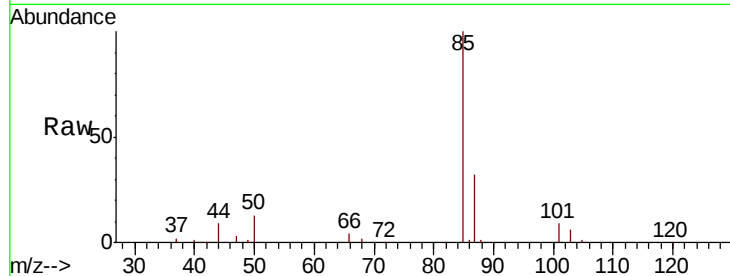
ClientSampled :

Tot Ion: 85 Resp: 103580

Ion Ratio Lower Upper

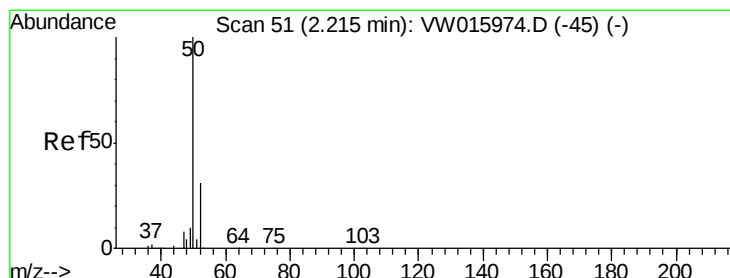
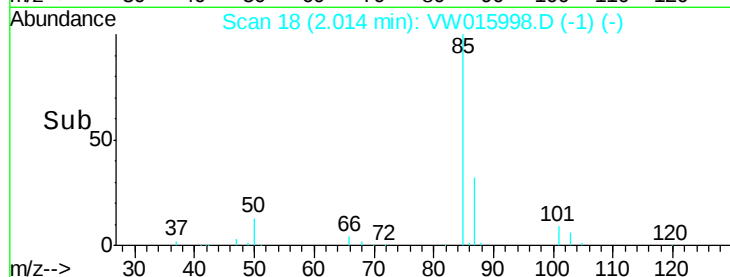
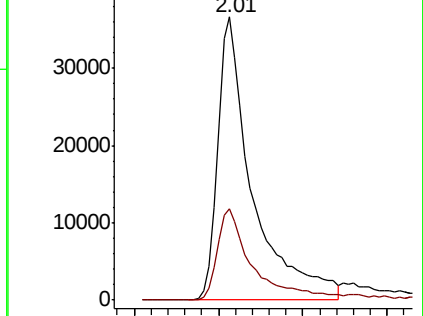
85 100

87 31.7 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.845 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015998.D

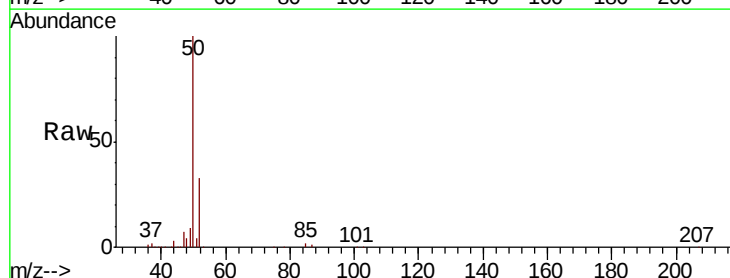
Acq: 30 Jul 2020 08:31

Tgt Ion: 50 Resp: 125820

Ion Ratio Lower Upper

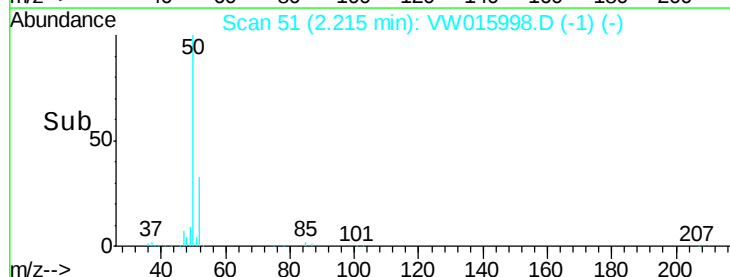
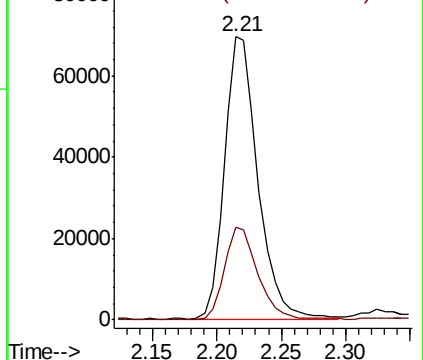
50 100

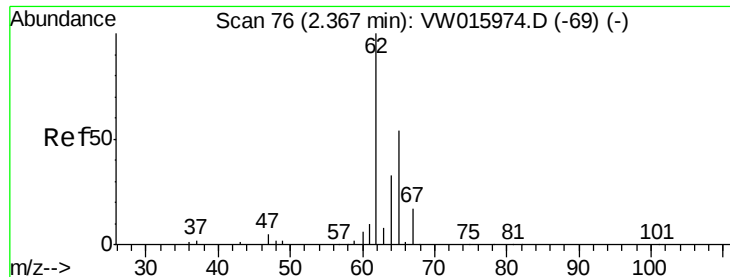
52 32.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.986 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

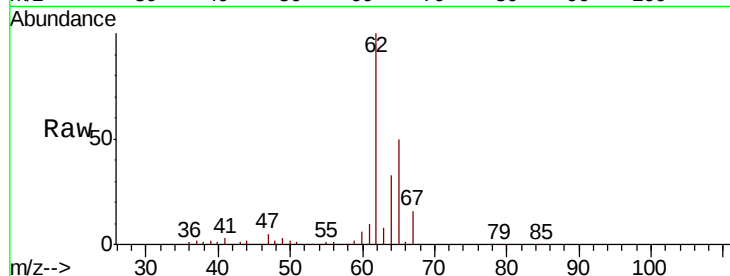
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 181105

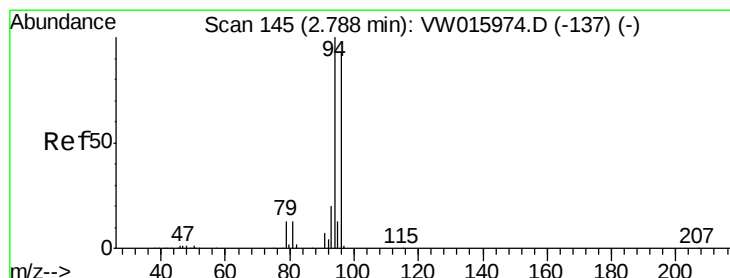
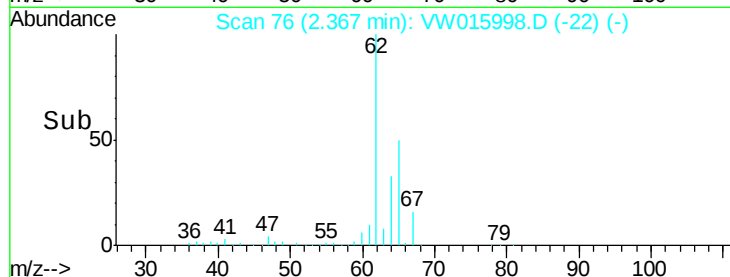
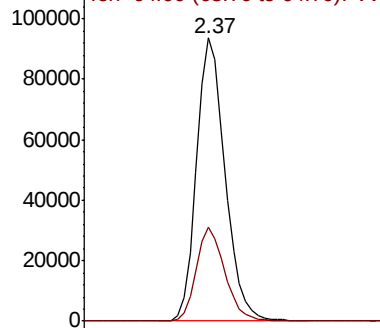
Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.588 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015998.D

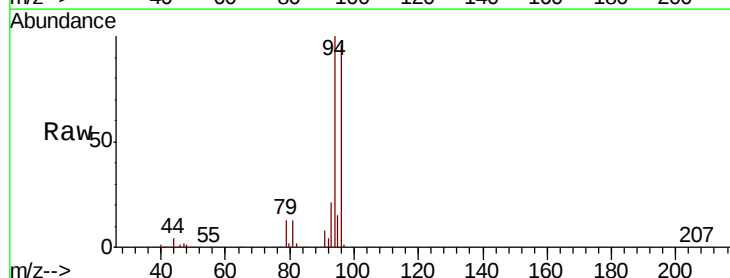
Acq: 30 Jul 2020 08:31

Tgt Ion: 94 Resp: 106389

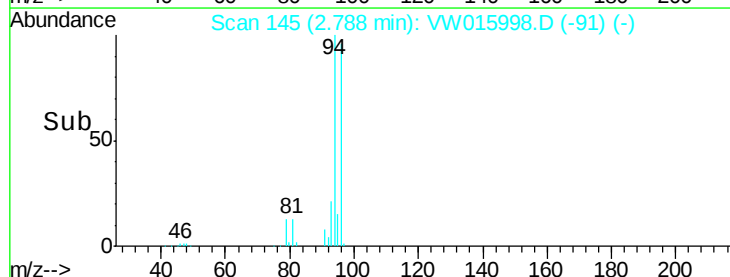
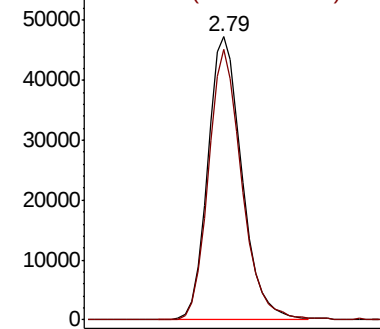
Ion Ratio Lower Upper

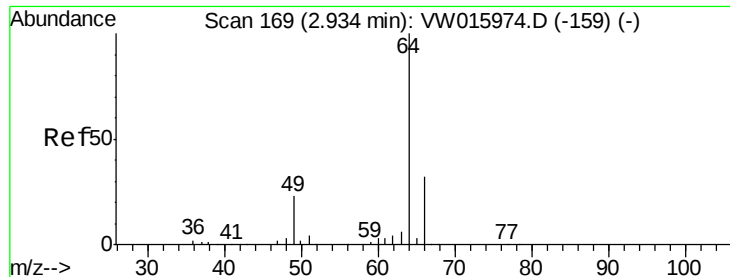
94 100

96 93.6 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW
Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 27.053 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

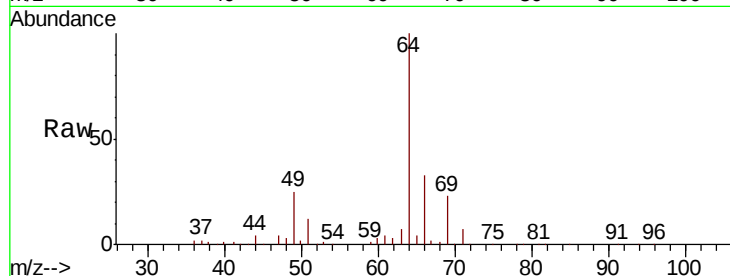
ClientSampleId :

Tot Ion: 64 Resp: 110449

Ion Ratio Lower Upper

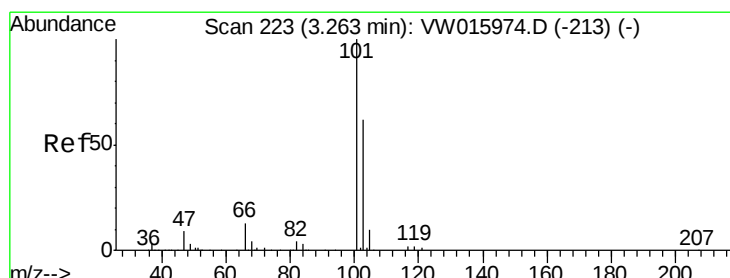
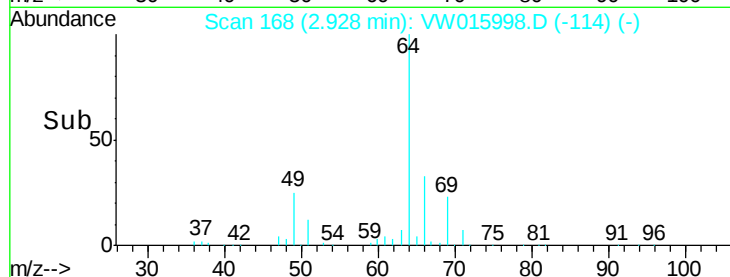
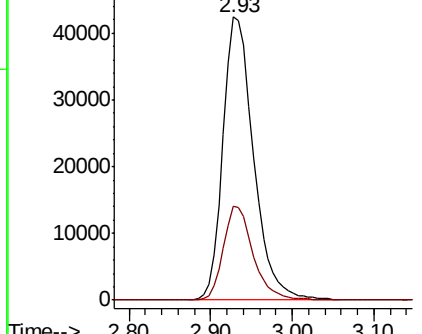
64 100

66 33.4 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 31.544 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015998.D

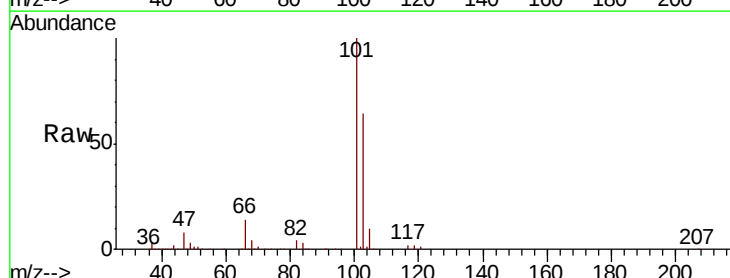
Acq: 30 Jul 2020 08:31

Tgt Ion: 101 Resp: 147771

Ion Ratio Lower Upper

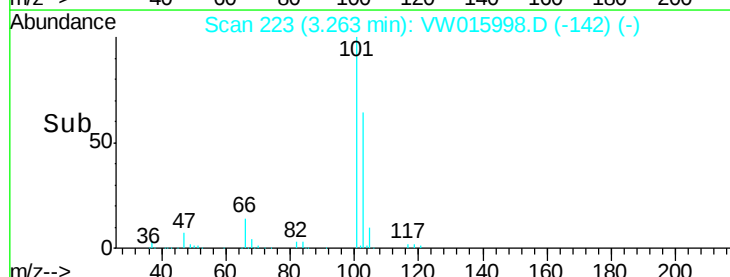
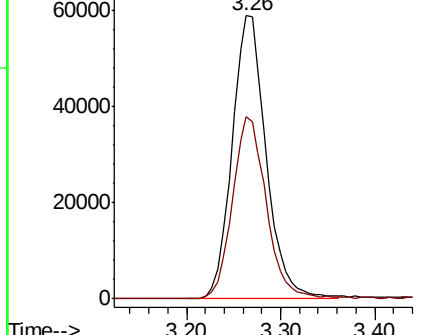
101 100

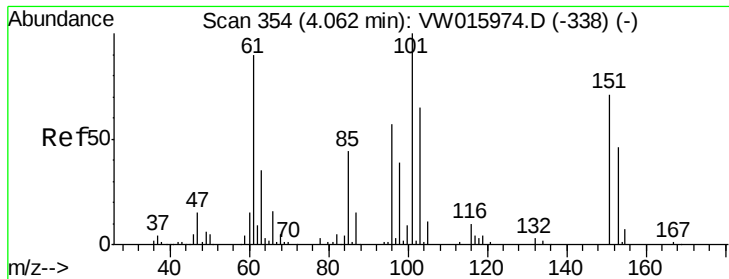
103 64.4 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 28.524 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :
MSVOA_W
ClientSampled :

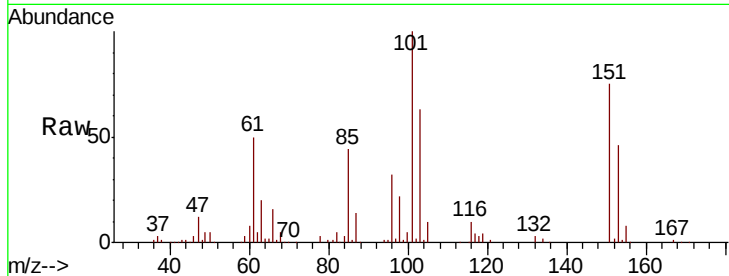
Tot Ion:101 Resp: 163340

Ion Ratio Lower Upper

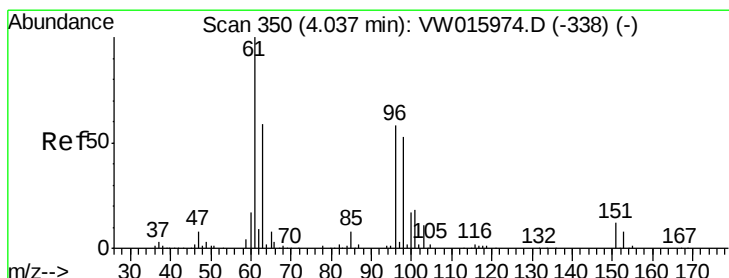
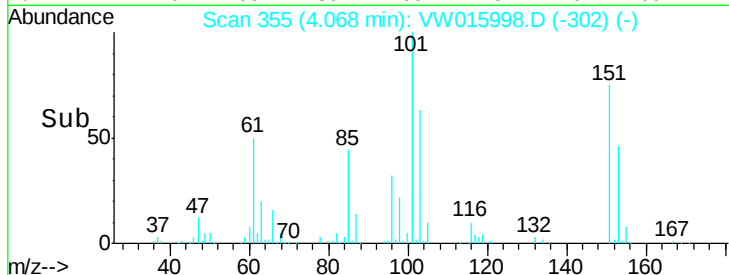
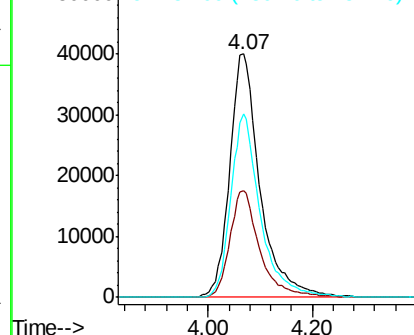
101 100

85 42.9 35.5 53.3

151 72.8 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.659 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

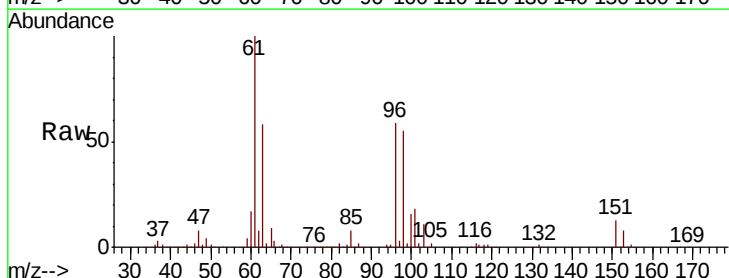
Tgt Ion: 96 Resp: 156981

Ion Ratio Lower Upper

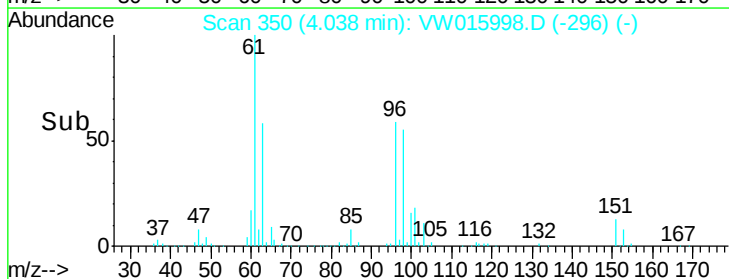
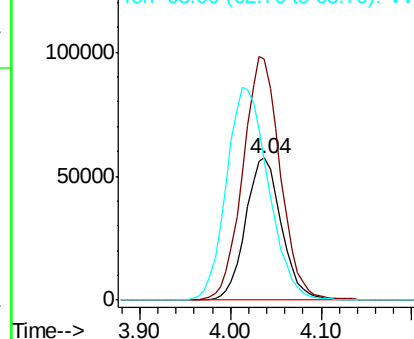
96 100

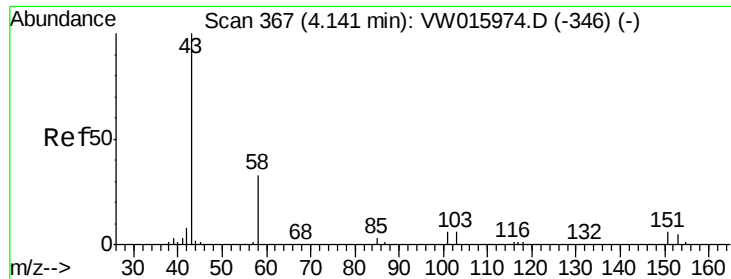
61 169.8 125.0 232.2

63 98.8 82.3 152.8



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

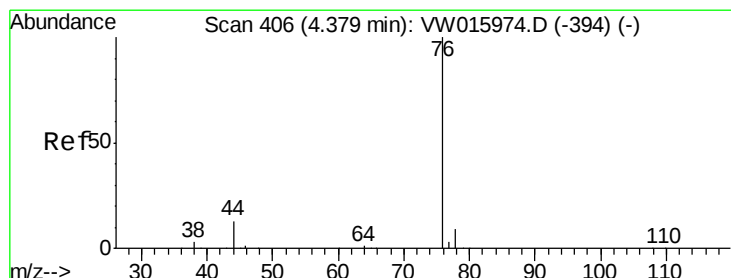
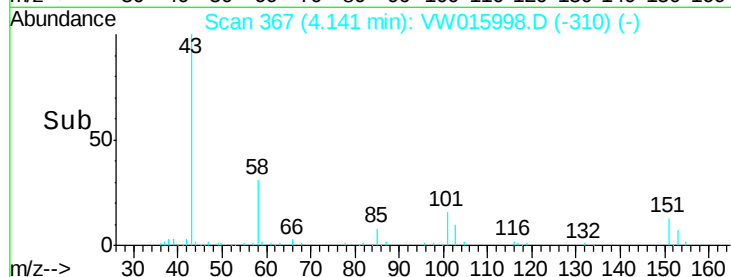
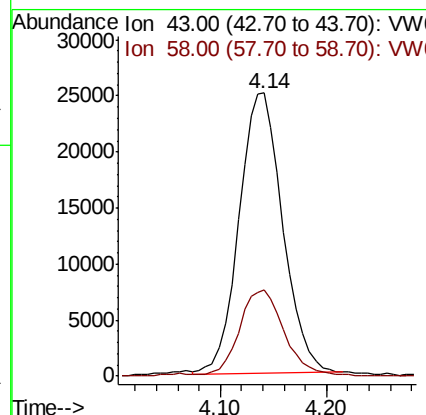
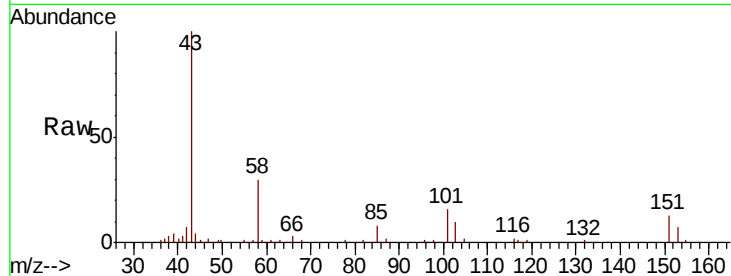




#13
Acetone
Concen: 52.437 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

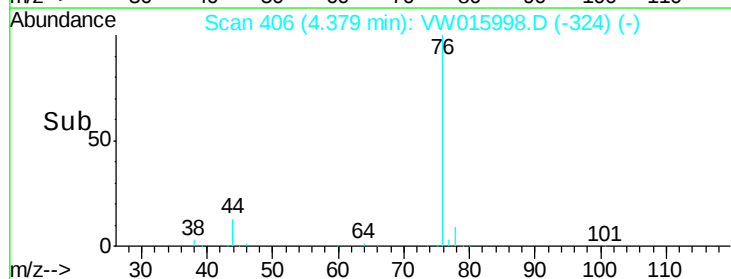
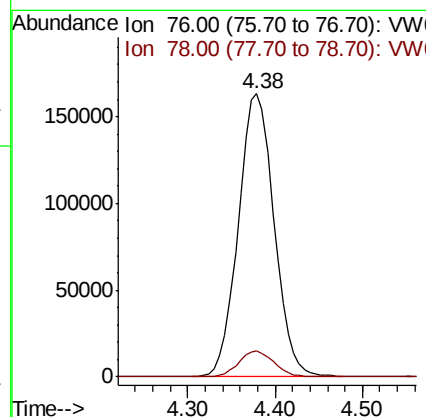
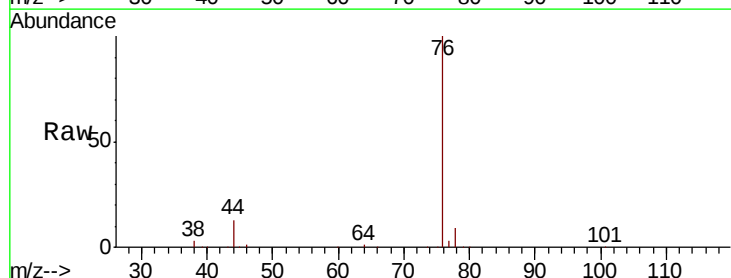
Instrument :
MSVOA_W
ClientSampled :

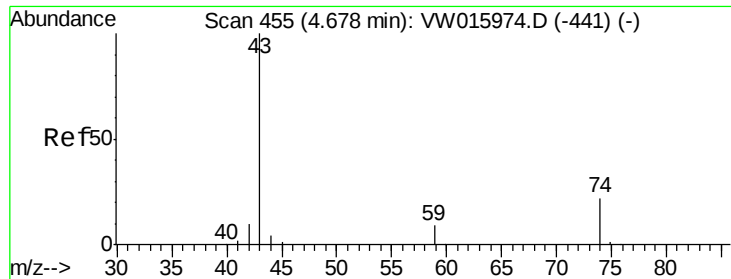
Tot Ion: 43 Resp: 72067
Ion Ratio Lower Upper
43 100
58 31.0 0.0 58.2



#14
Carbon disulfide
Concen: 25.930 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion: 76 Resp: 464791
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

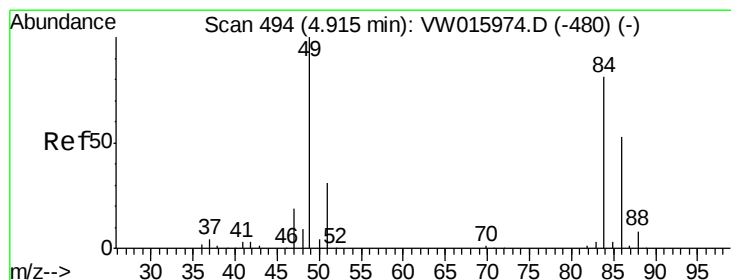
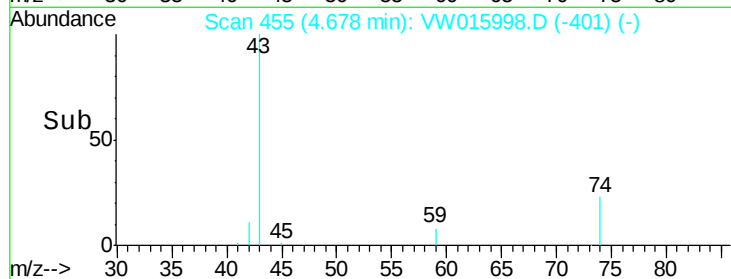
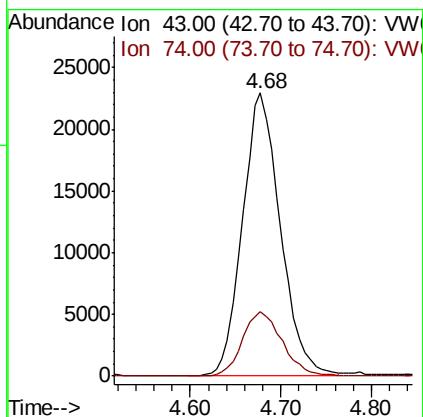
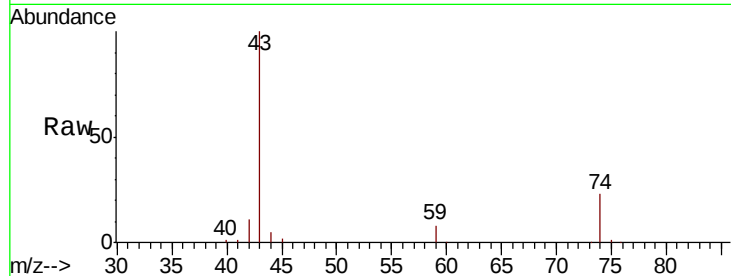




#15
Methvl Acetate
Concen: 25.664 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

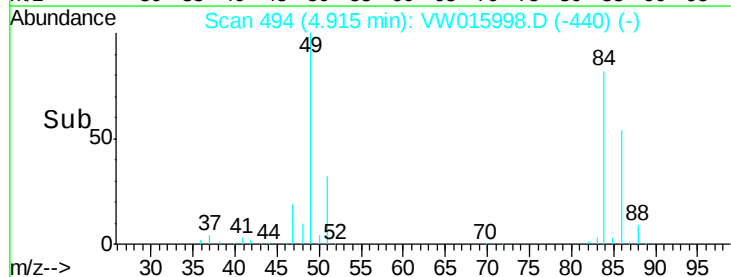
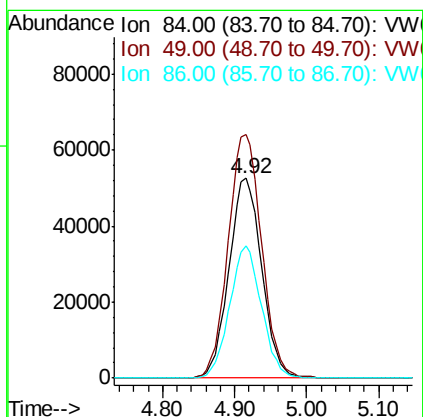
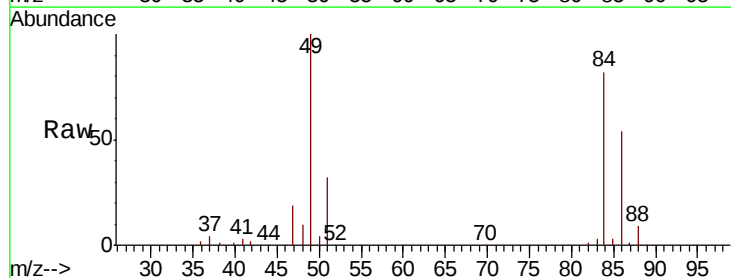
Instrument :
MSVOA_W
ClientSampled :

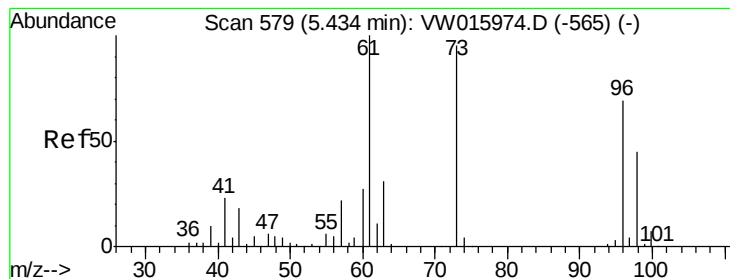
Tot Ion: 43 Resp: 66504
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.2



#16
Methylene chloride
Concen: 23.060 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion: 84 Resp: 166836
Ion Ratio Lower Upper
84 100
49 122.0 91.1 169.1
86 66.0 46.0 85.4



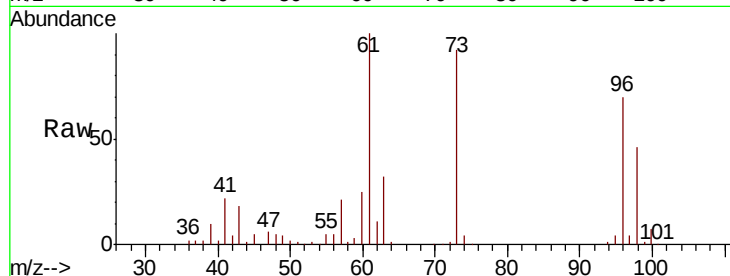


#17

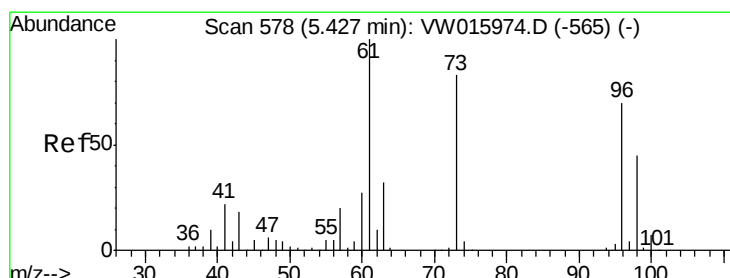
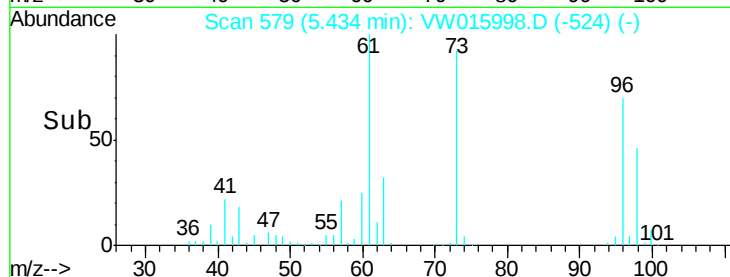
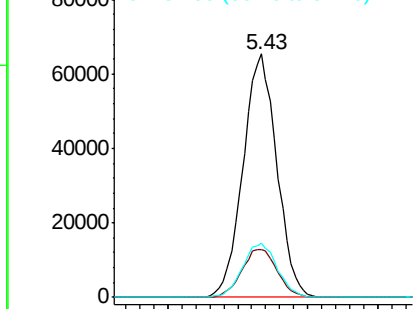
Methvl tert-butvl Ether
 Concen: 27.303 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 219136
 Ion Ratio Lower Upper
 73 100
 43 21.0 18.4 27.6
 57 22.8 17.8 26.8



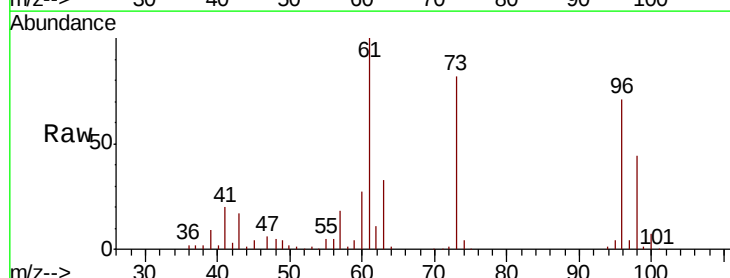
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



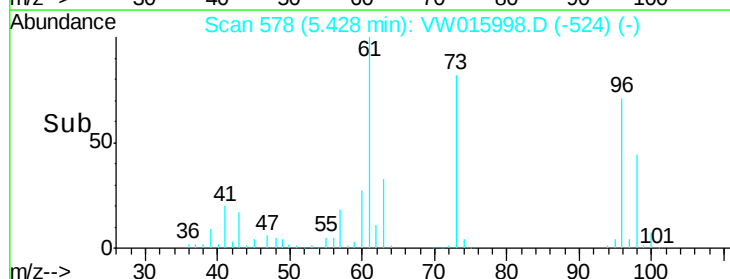
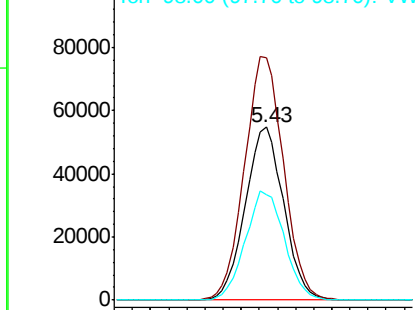
#18

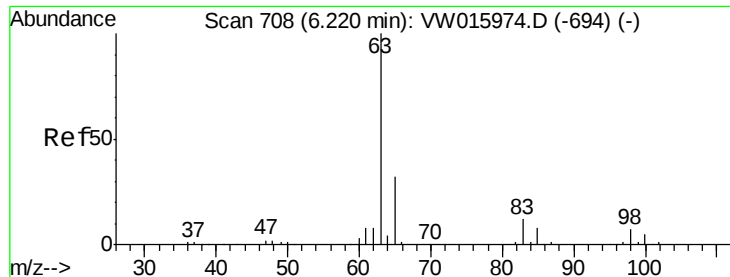
trans-1,2-Dichloroethene
 Concen: 26.840 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion: 96 Resp: 160868
 Ion Ratio Lower Upper
 96 100
 61 140.1 99.3 184.5
 98 61.3 42.9 79.7



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

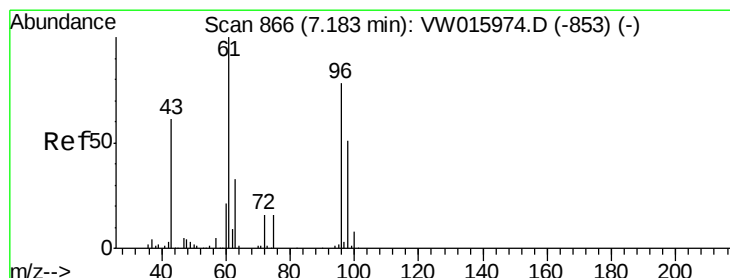
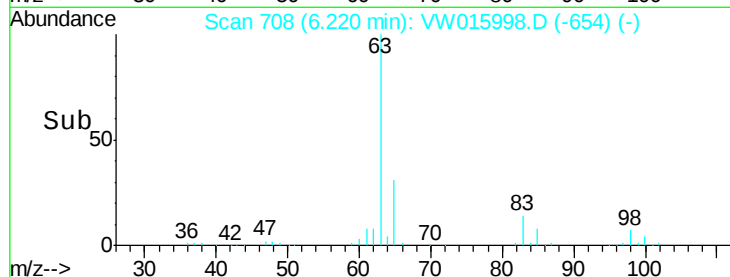
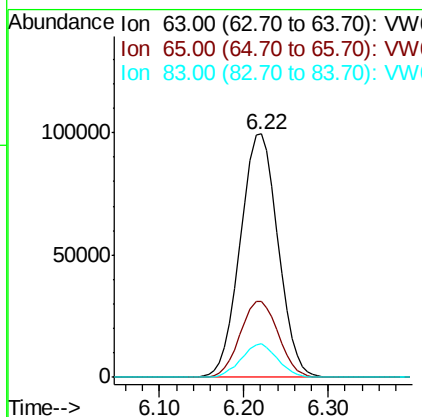
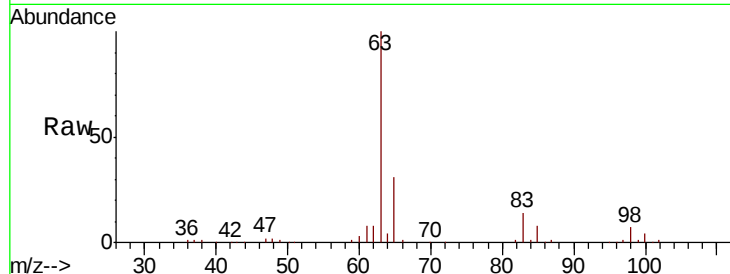




#19
 1,1-Dichloroethane
 Concen: 27.476 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

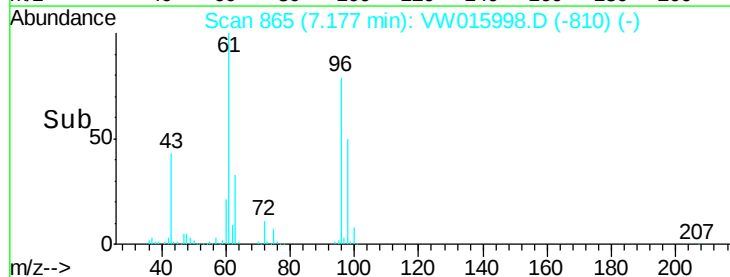
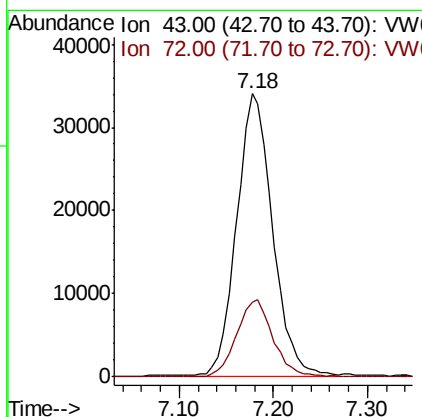
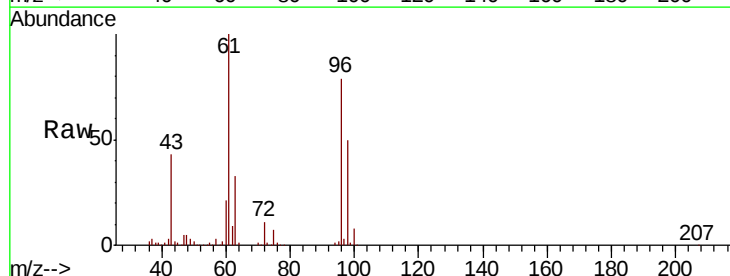
Instrument :
 MSVOA_W
 ClientSampled :

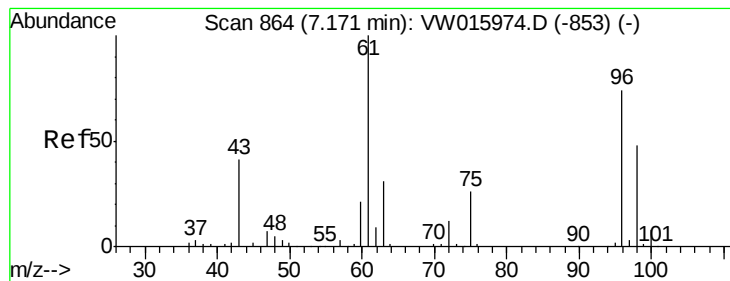
Tot Ion: 63 Resp: 303472
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.2 41.2
 83 13.6 9.8 18.2



#21
 2-Butanone
 Concen: 53.610 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion: 43 Resp: 91111
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.9 41.7



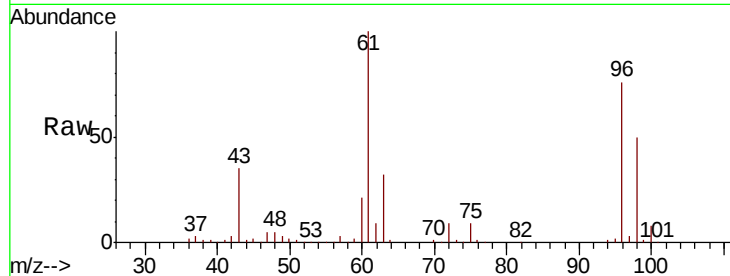


#22

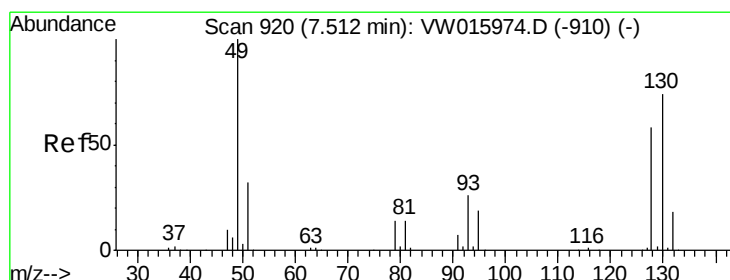
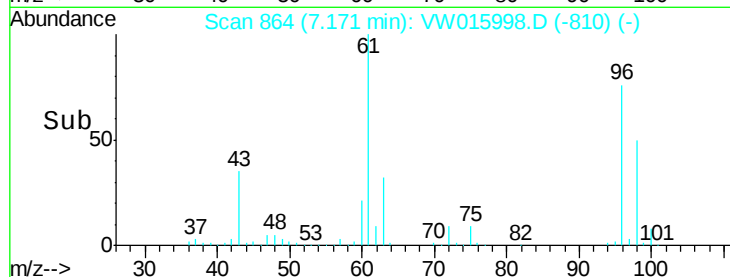
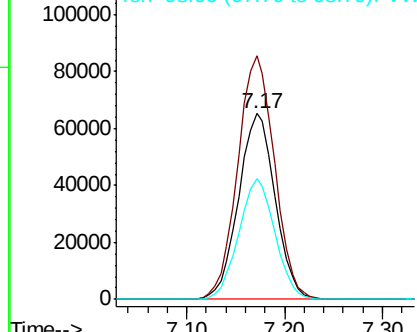
cis-1,2-Dichloroethene
Concen: 27.051 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 169629
Ion Ratio Lower Upper
96 100
61 130.9 94.6 175.8
98 65.1 44.3 82.3



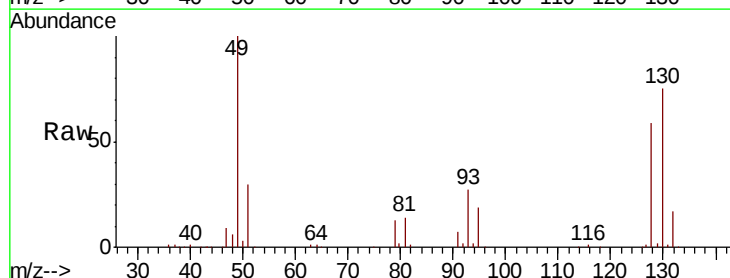
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



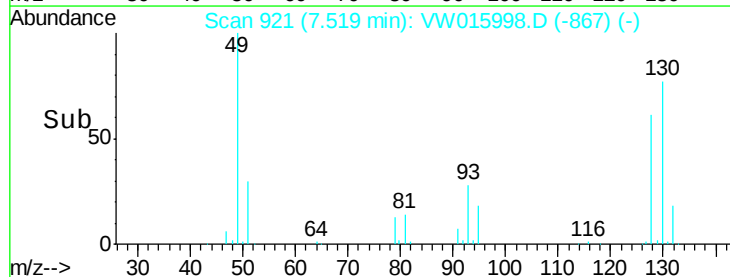
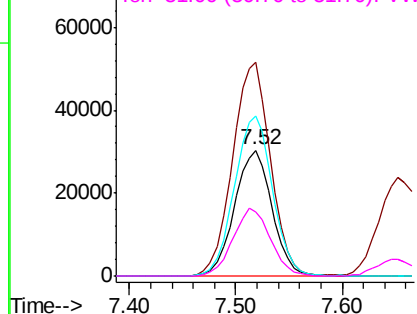
#23

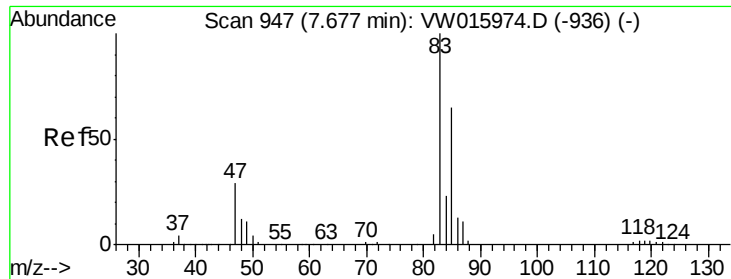
Bromochloromethane
Concen: 27.149 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion: 128 Resp: 74650
Ion Ratio Lower Upper
128 100
49 169.5 122.4 227.2
130 127.2 93.9 174.5
51 50.7 43.2 64.8



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

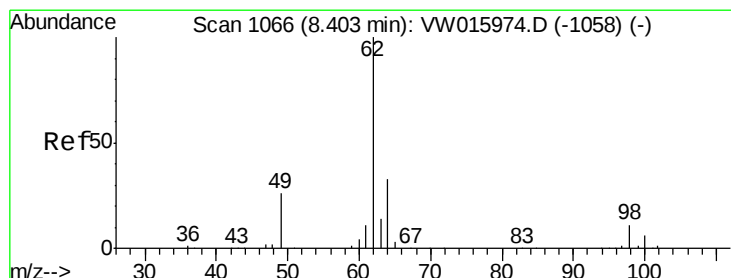
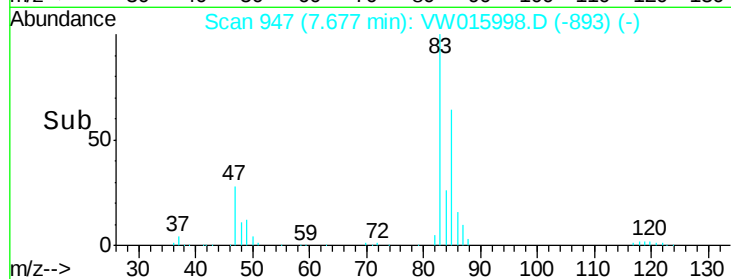
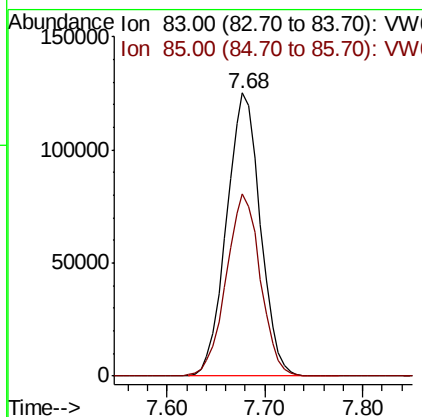
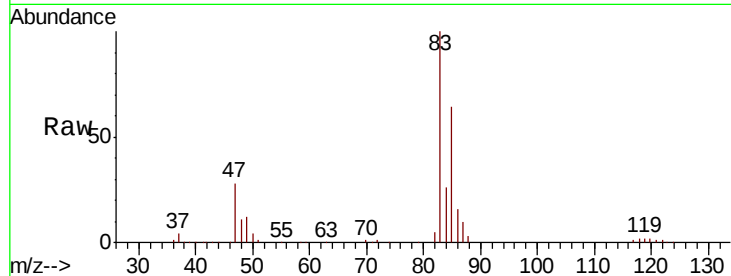




#25
Chloroform
Concen: 27.382 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

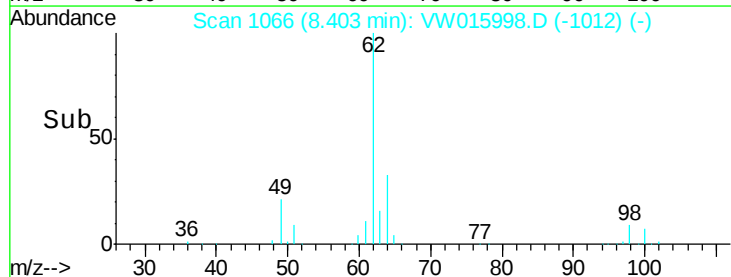
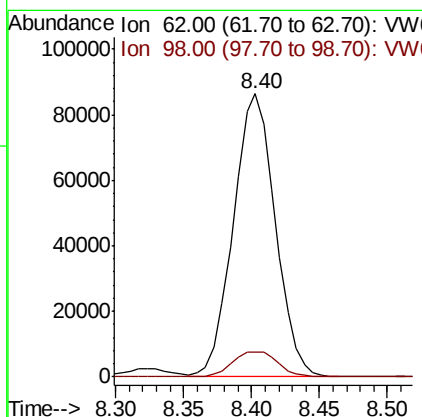
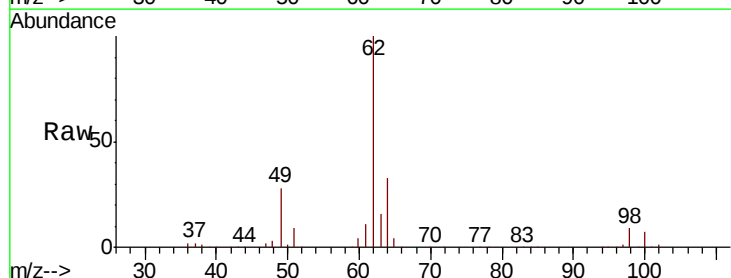
Instrument :
MSVOA_W
ClientSampled :

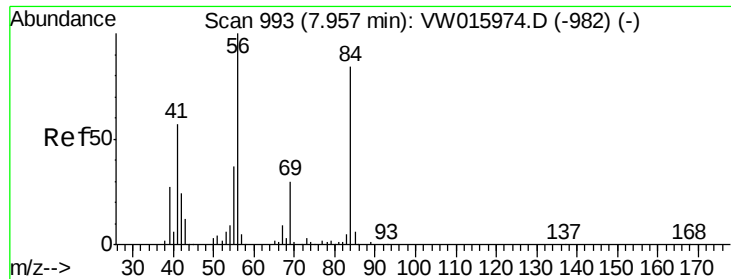
Tot Ion: 83 Resp: 299732
Ion Ratio Lower Upper
83 100
85 65.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 24.829 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion: 62 Resp: 184936
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

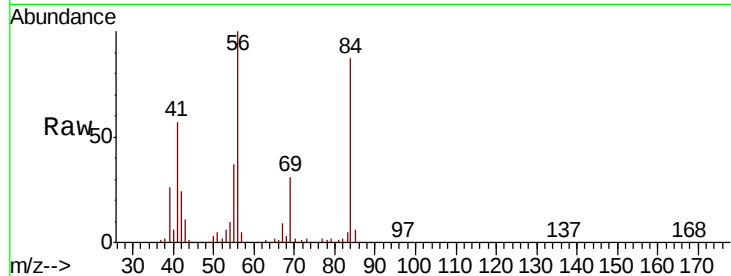




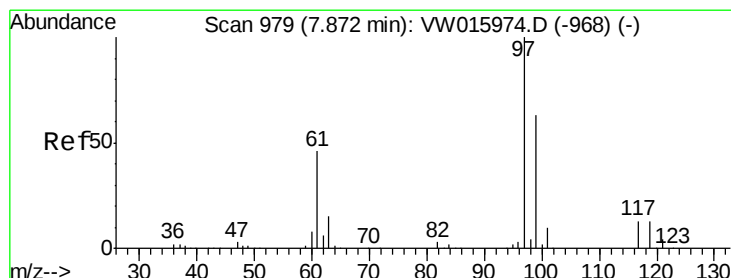
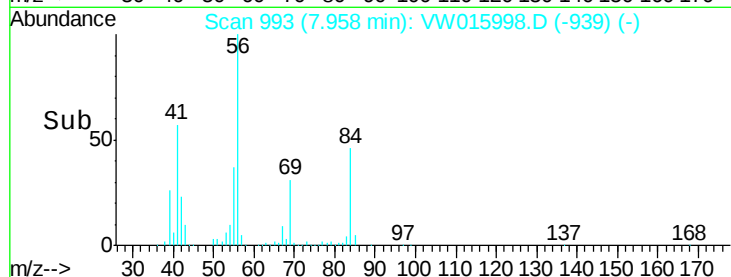
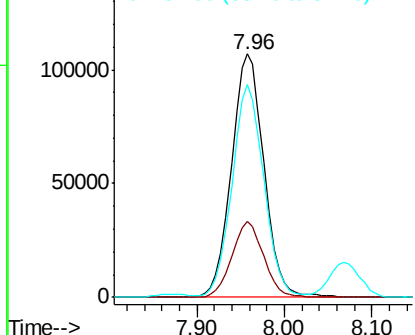
#30
Cyclohexane
Concen: 27.109 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	85.7	69.3	103.9

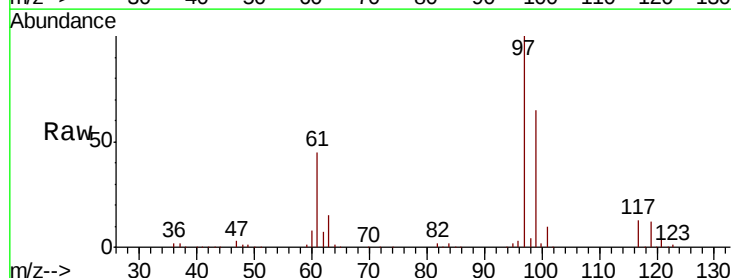


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

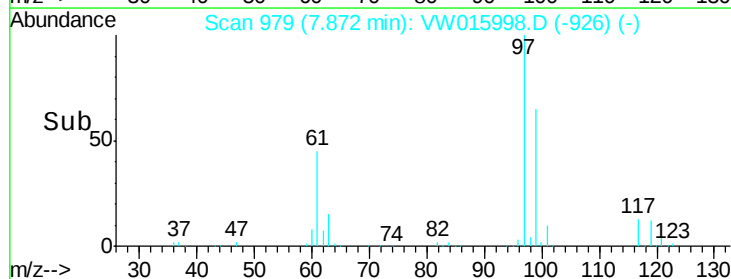
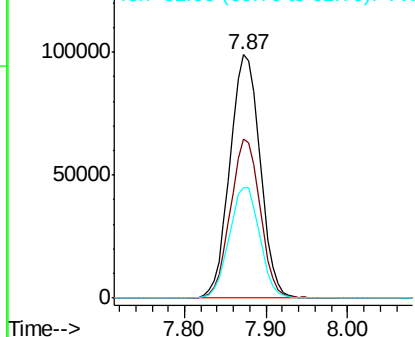


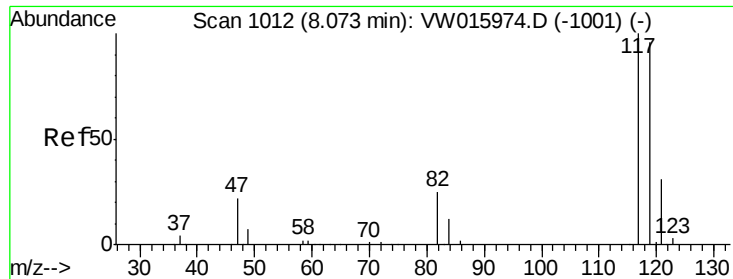
#31
1,1,1-Trichloroethane
Concen: 26.850 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	45.6	37.6	56.4



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





#32

Carbon tetrachloride

Concen: 26.692 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

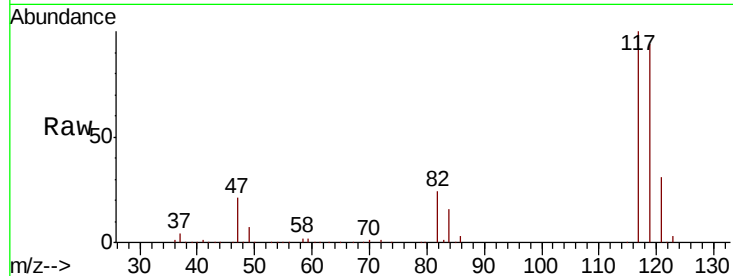
ClientSampled :

Tot Ion:117 Resp: 228037

Ion Ratio Lower Upper

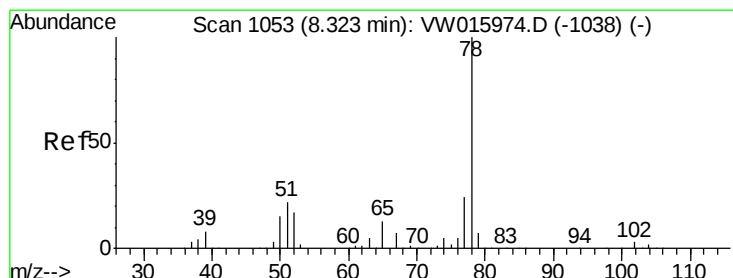
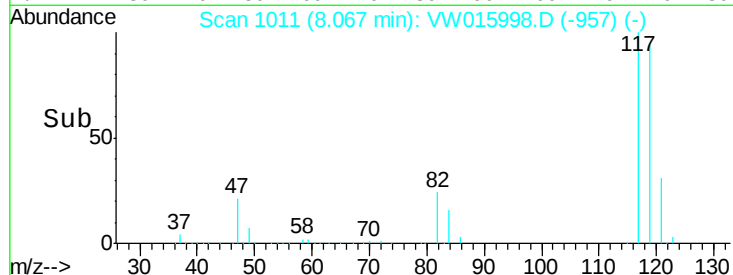
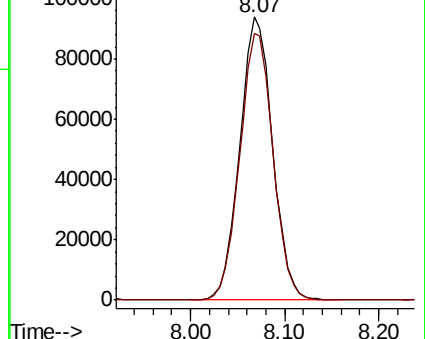
117 100

119 95.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.633 ug/L

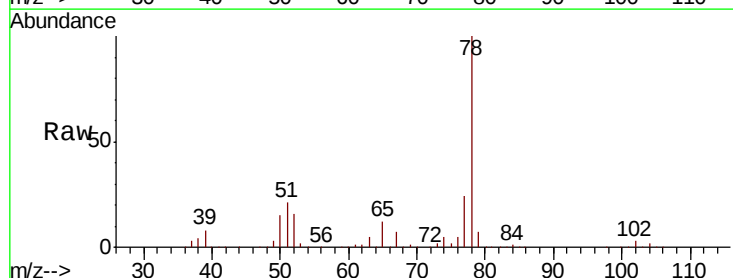
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

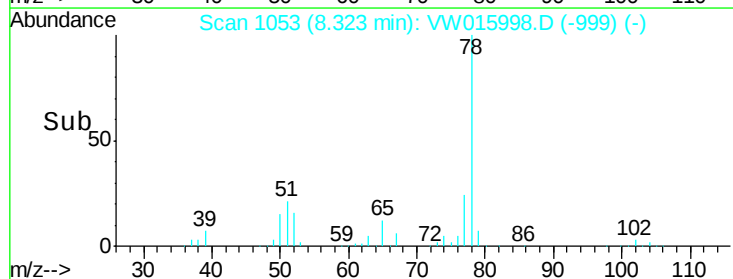
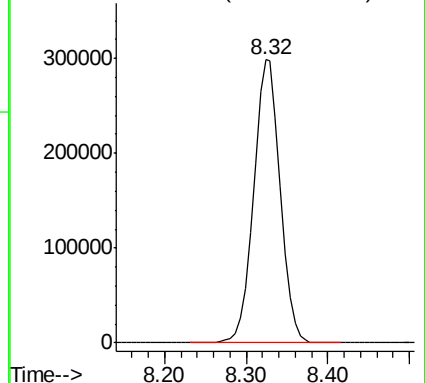
Lab File: VW015998.D

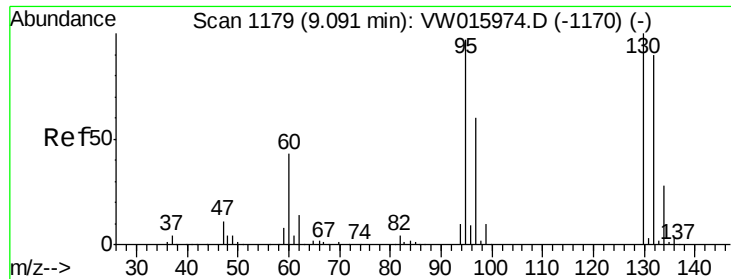
Acq: 30 Jul 2020 08:31

Tgt Ion: 78 Resp: 677171



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.602 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 172453

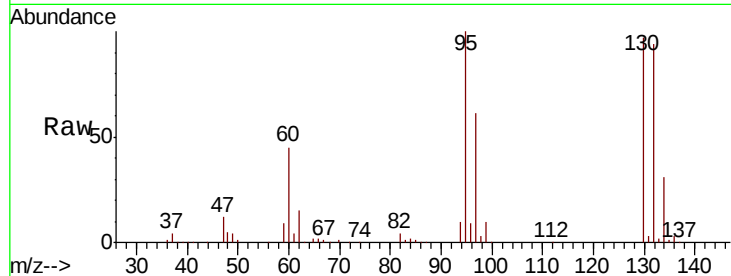
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.4

132 95.0 65.1 120.9

130 99.1 68.6 127.4

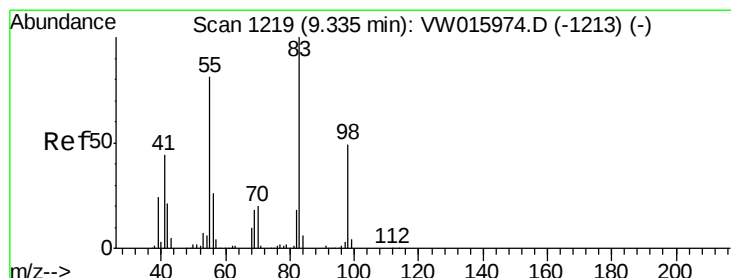
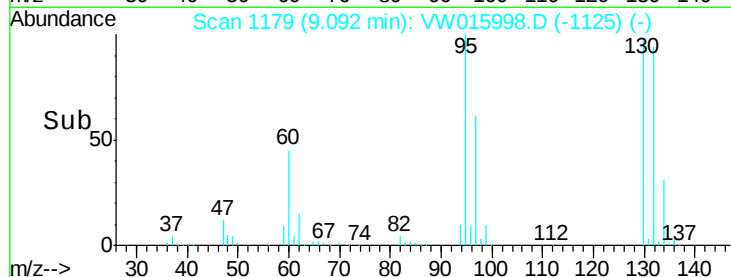
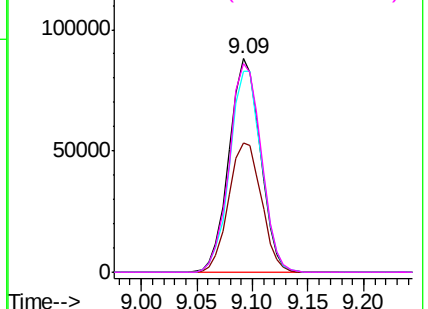


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 27.364 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

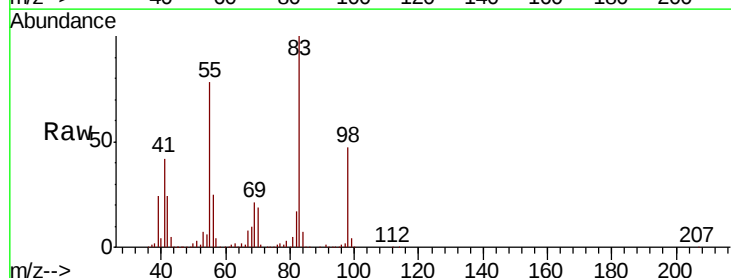
Tgt Ion: 83 Resp: 304384

Ion Ratio Lower Upper

83 100

55 78.1 63.5 95.3

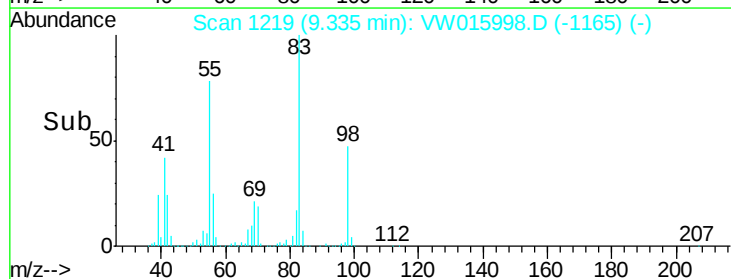
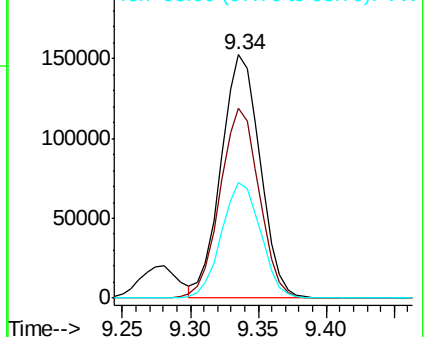
98 47.7 39.0 58.4

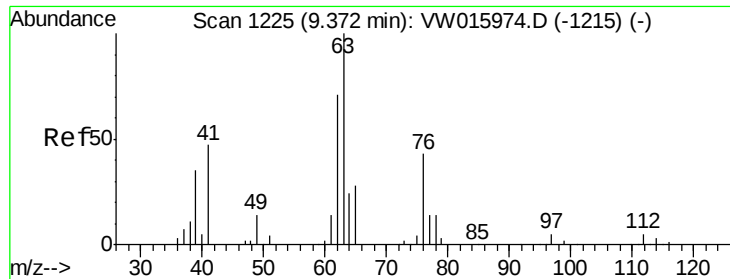


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

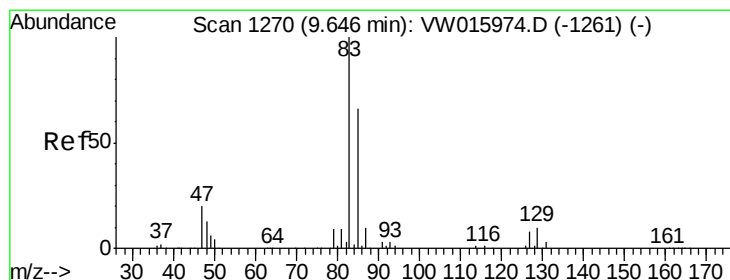
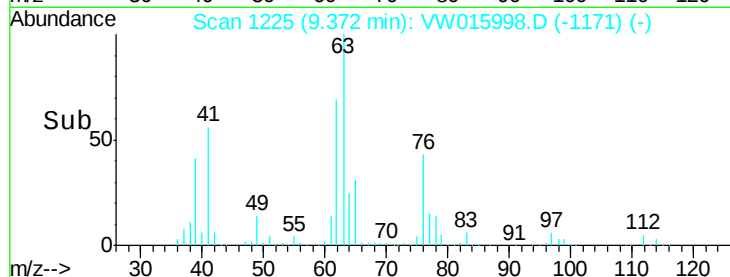
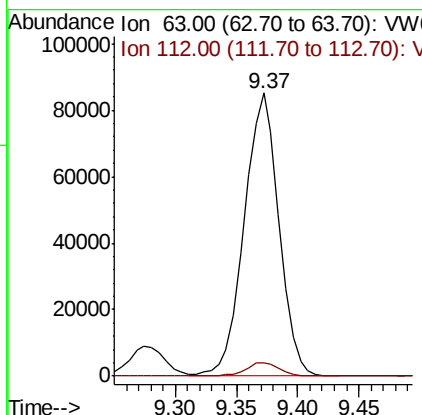
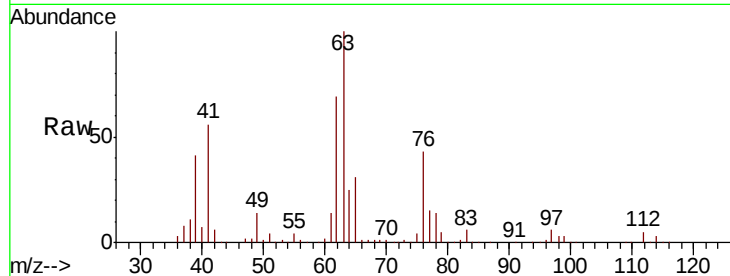




#40
 1,2-Dichloropropane
 Concen: 27.712 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

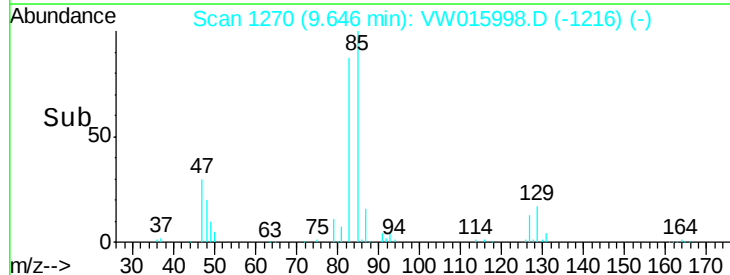
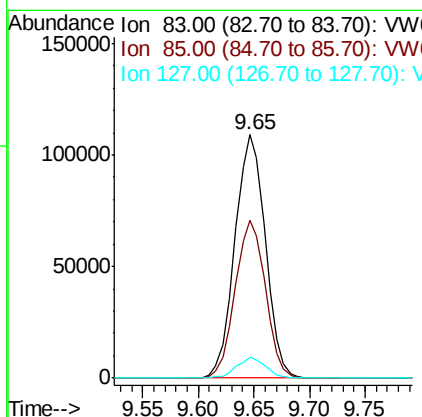
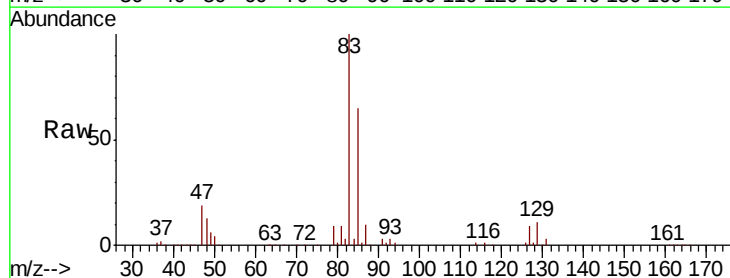
Instrument :
 MSVOA_W
 ClientSampleId :

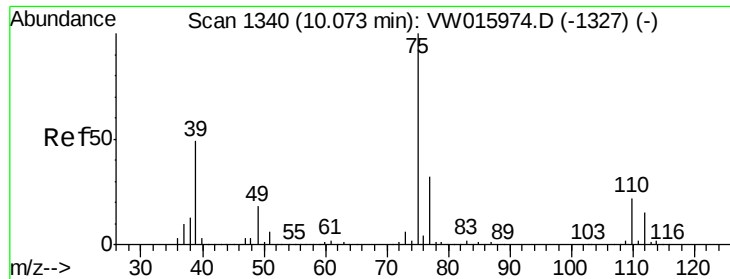
Tot Ion: 63 Resp: 168240
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.332 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion: 83 Resp: 206451
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.7 81.1
 127 8.6 6.5 9.7

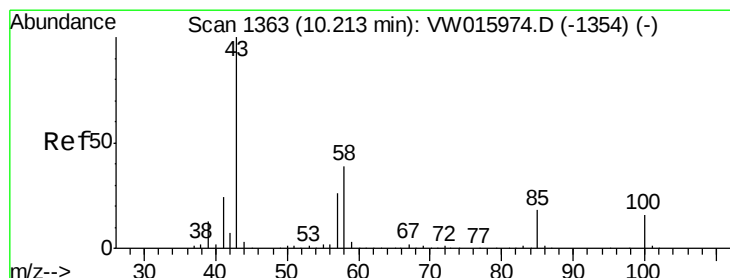
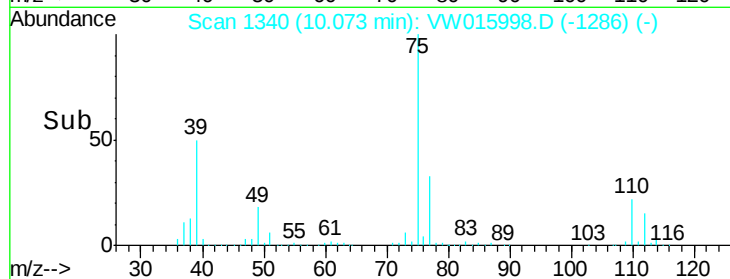
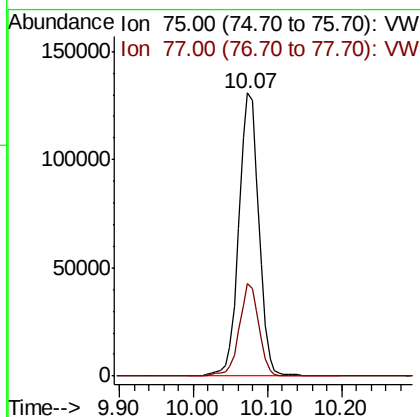
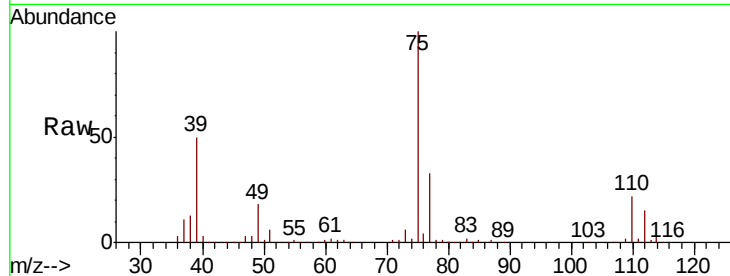




#42
 cis-1,3-Dichloropropene
 Concen: 26.833 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

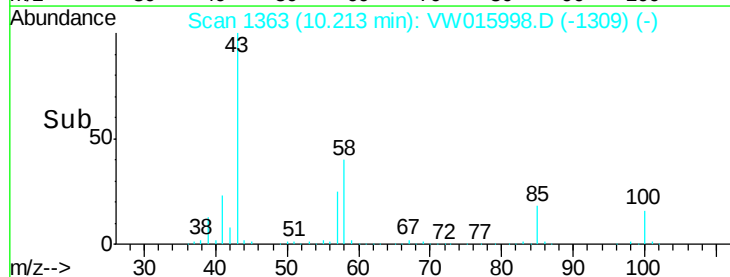
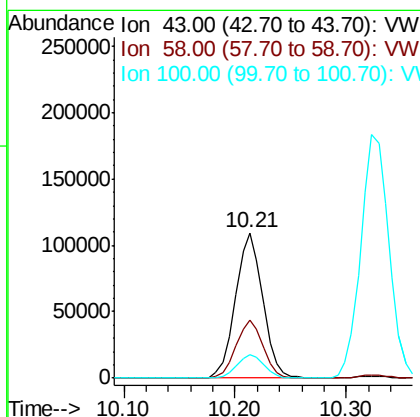
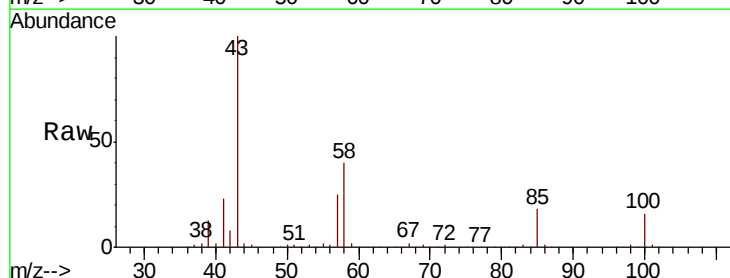
Instrument :
 MSVOA_W
 ClientSampleId :

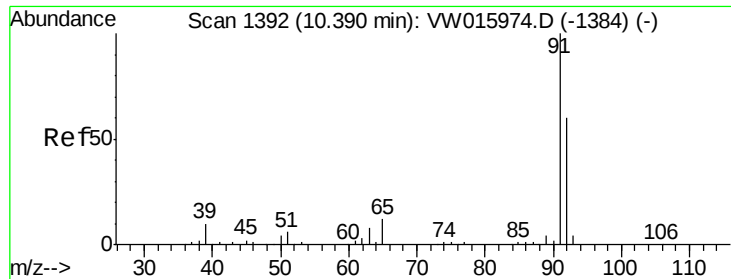
Tot Ion: 75 Resp: 248100
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 52.120 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion: 43 Resp: 184689
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.0 46.4
 100 16.1 12.6 19.0





#44

Toluene

Concen: 27.526 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

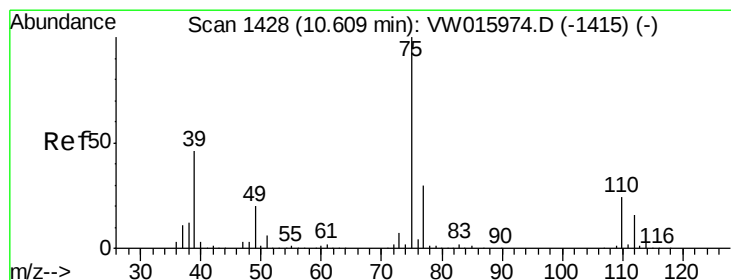
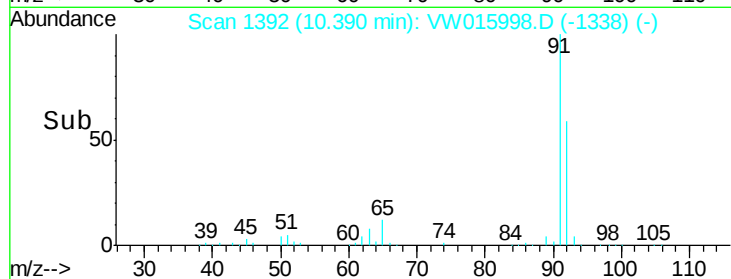
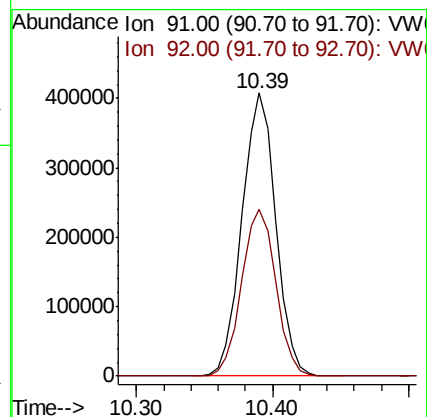
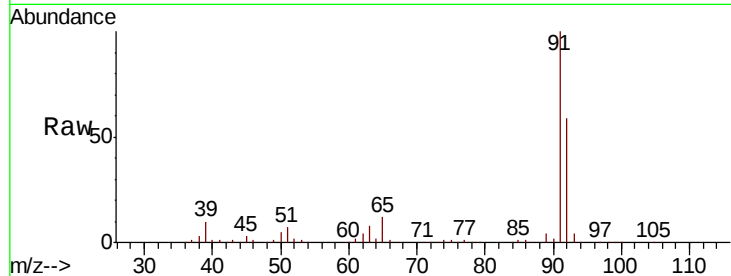
ClientSampleId :

Tot Ion: 91 Resp: 707495

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 26.890 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015998.D

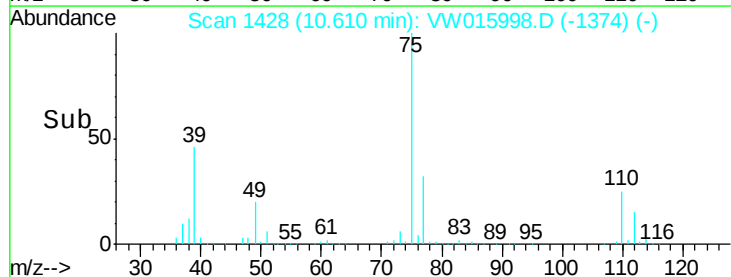
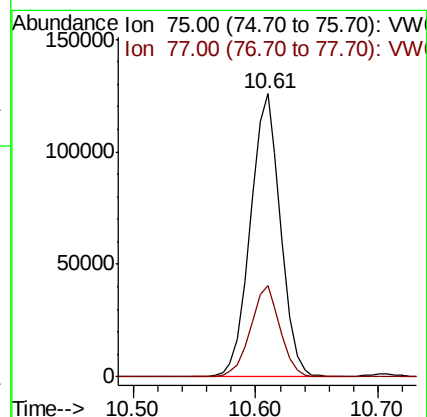
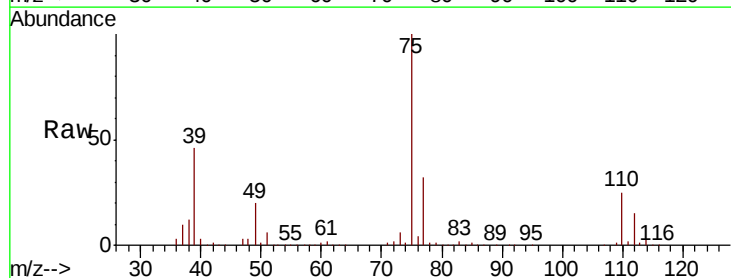
Acq: 30 Jul 2020 08:31

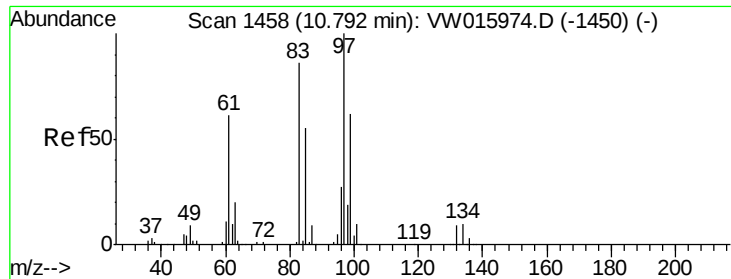
Tgt Ion: 75 Resp: 215505

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9

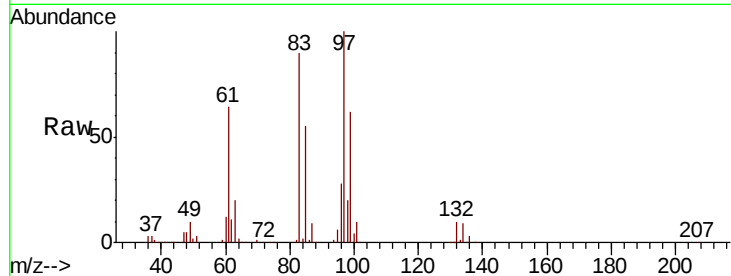




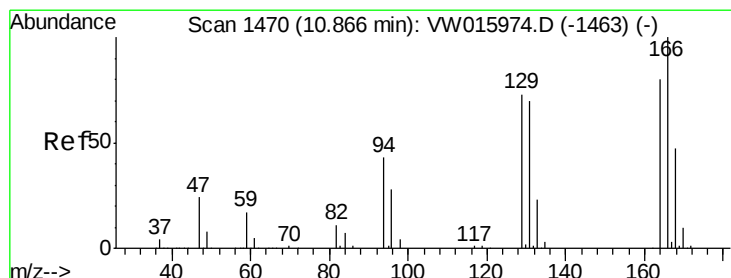
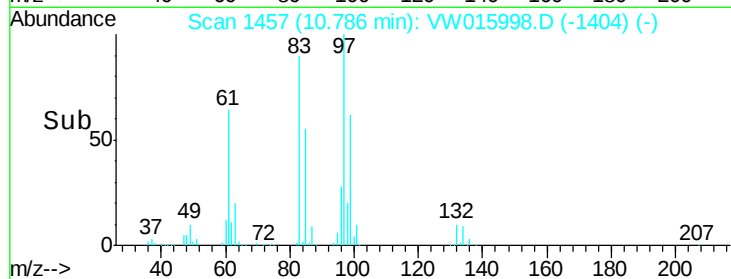
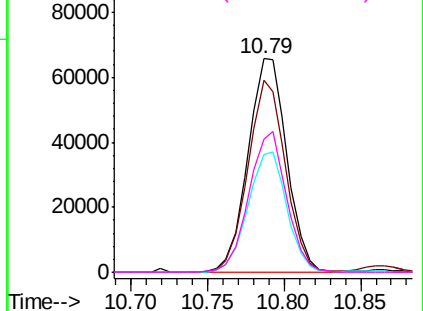
#46
1,1,2-Trichloroethane
Concen: 26.646 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 97 Resp: 116326
Ion Ratio Lower Upper
97 100
83 90.0 60.6 112.6
85 55.2 38.9 72.2
99 62.0 43.1 80.1

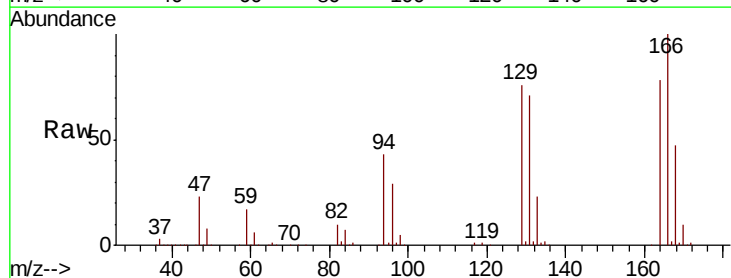


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

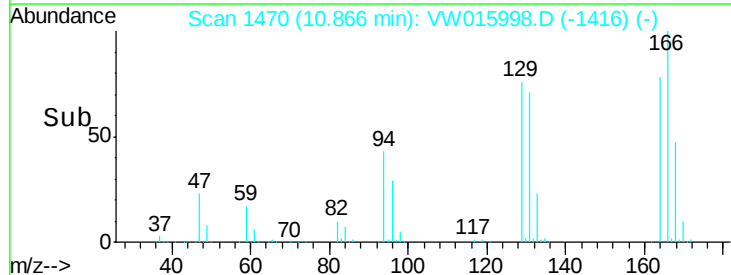
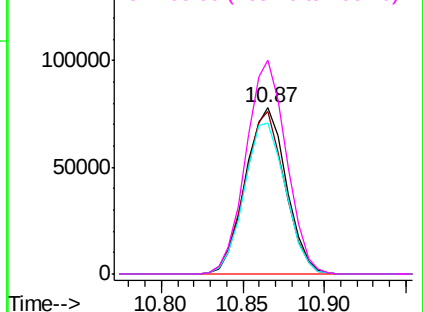


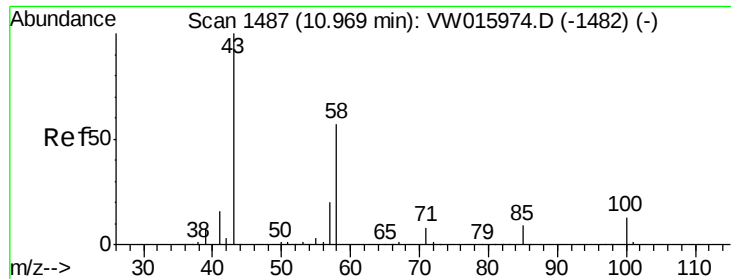
#47
Tetrachloroethene
Concen: 26.845 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion: 164 Resp: 135082
Ion Ratio Lower Upper
164 100
129 97.8 70.0 130.0
131 90.9 67.3 124.9
166 128.7 88.5 164.3



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 53.841 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 135390

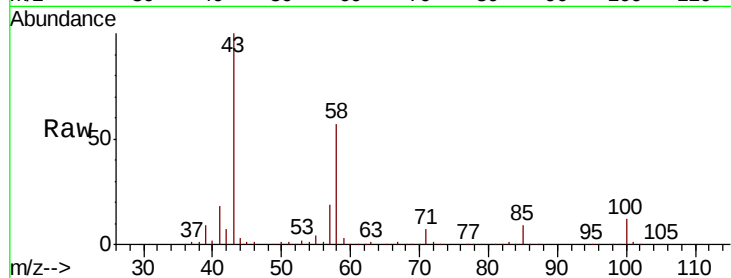
Ion Ratio Lower Upper

43 100

58 54.9 42.4 63.6

57 18.8 15.6 23.4

100 12.2 9.8 14.6

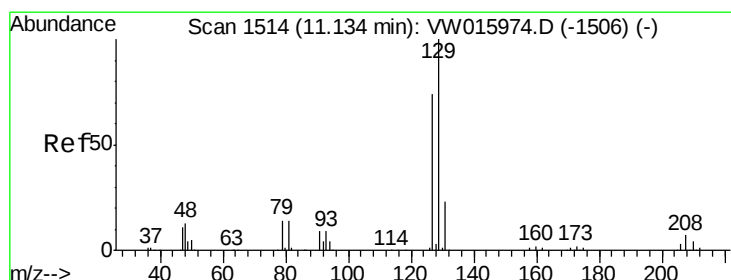
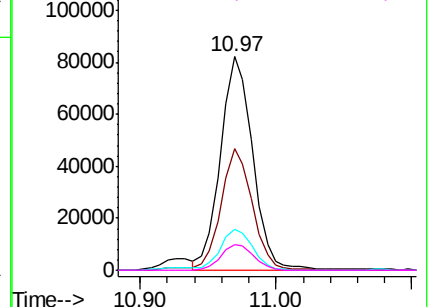
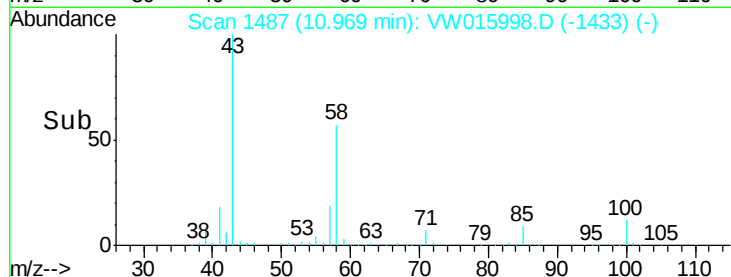


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.099 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015998.D

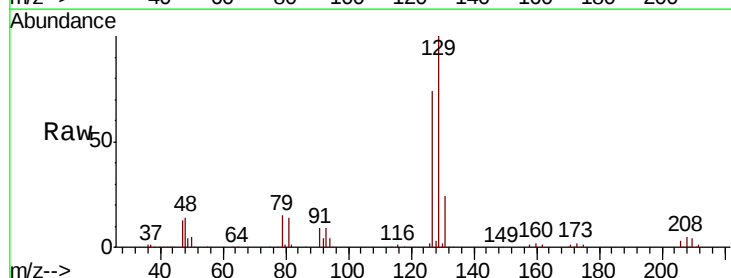
Acq: 30 Jul 2020 08:31

Tgt Ion: 129 Resp: 136964

Ion Ratio Lower Upper

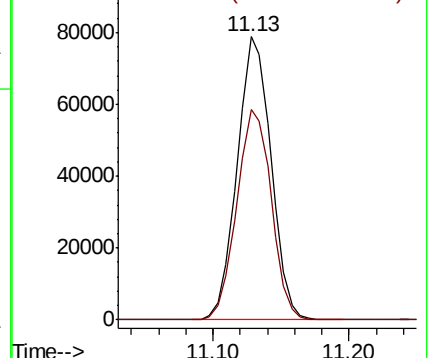
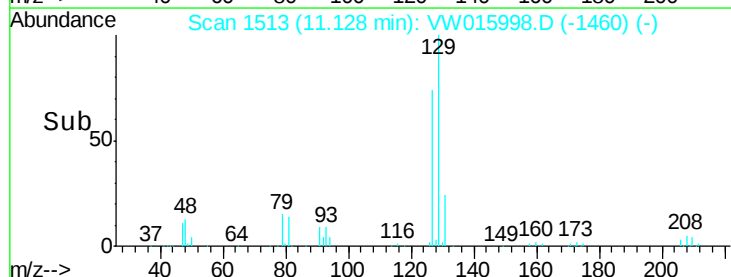
129 100

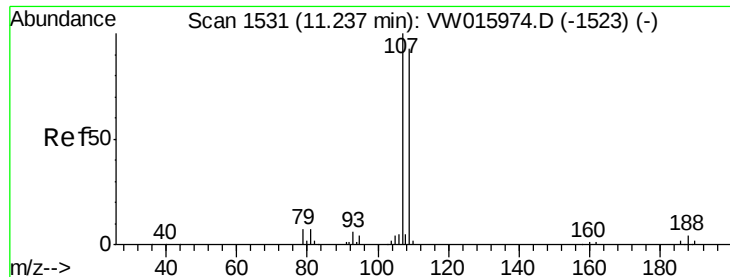
127 74.1 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

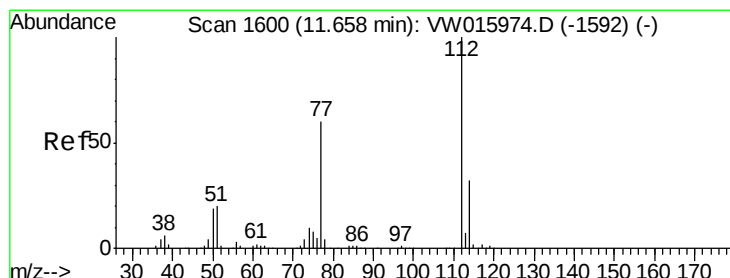
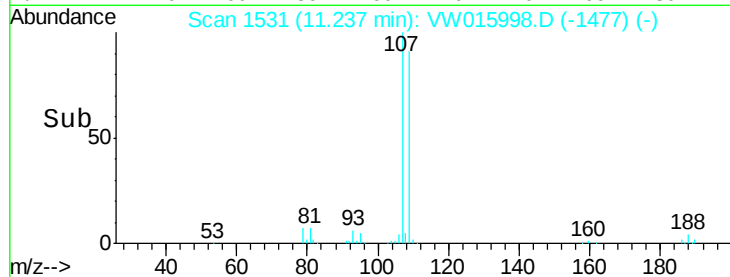
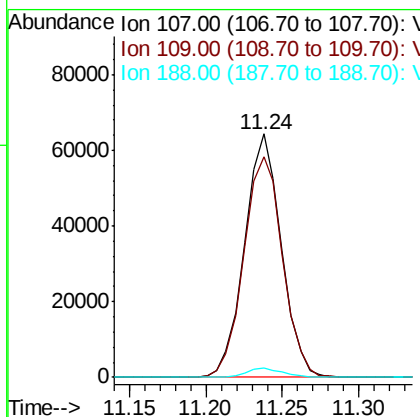
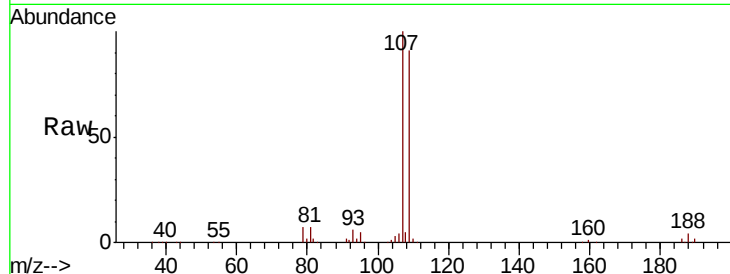




#51
 1,2-Dibromoethane
 Concen: 25.723 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

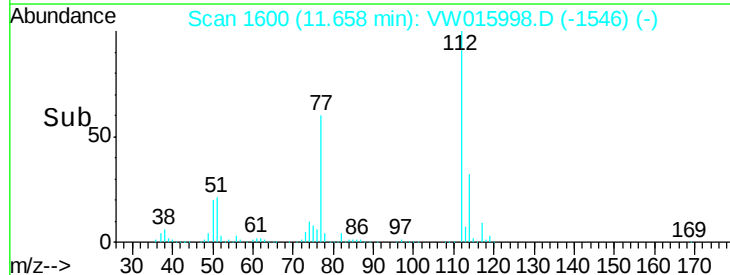
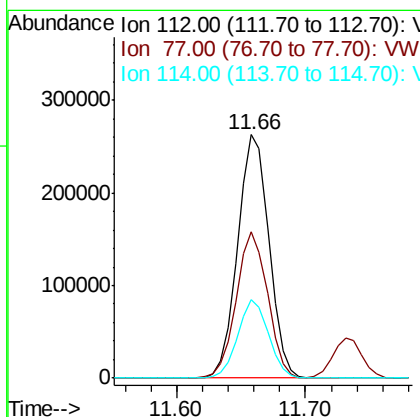
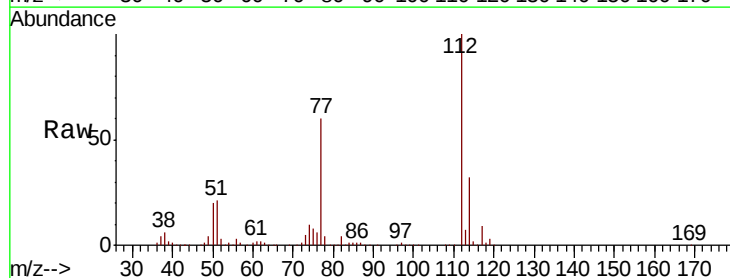
Instrument :
 MSVOA_W
 ClientSampleId :

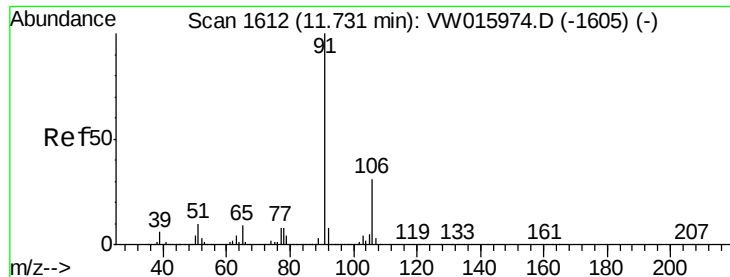
Tot Ion:107 Resp: 107426
 Ion Ratio Lower Upper
 107 100
 109 90.9 66.9 124.3
 188 3.6 3.2 4.8



#52
 Chlorobenzene
 Concen: 26.816 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion:112 Resp: 441641
 Ion Ratio Lower Upper
 112 100
 77 60.1 47.8 71.6
 114 32.3 22.1 41.1

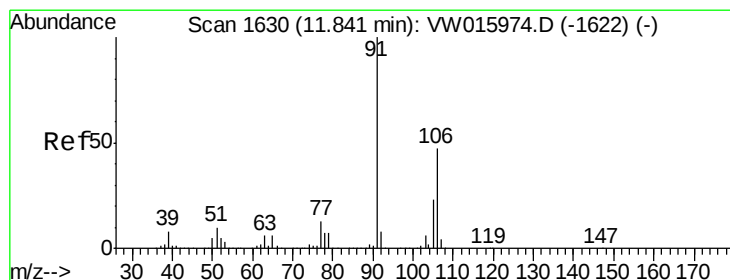
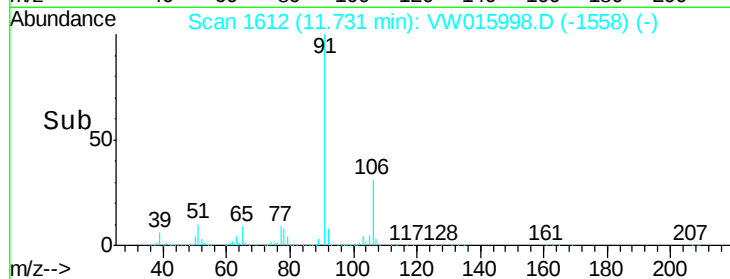
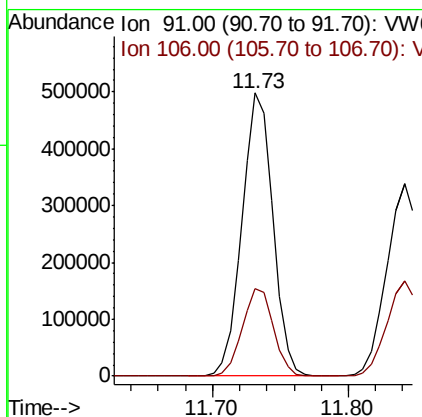
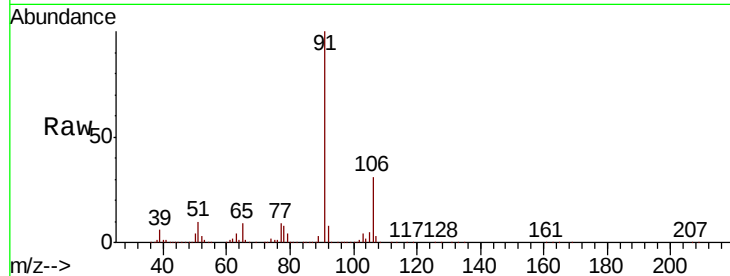




#53
Ethylbenzene
Concen: 27.429 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

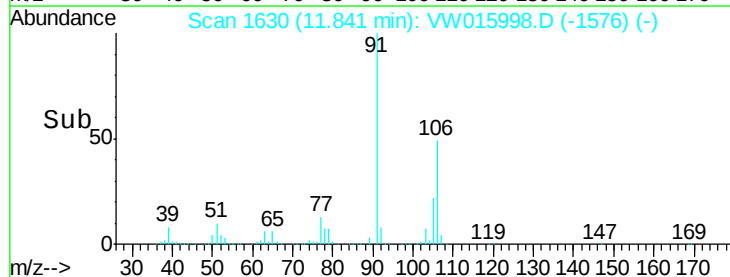
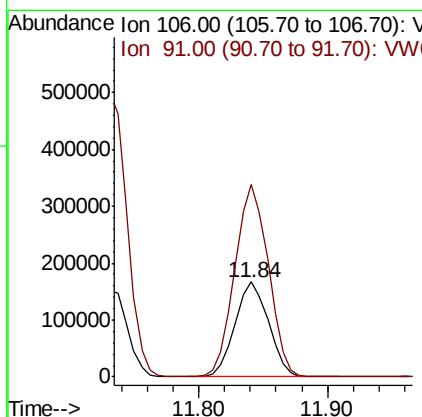
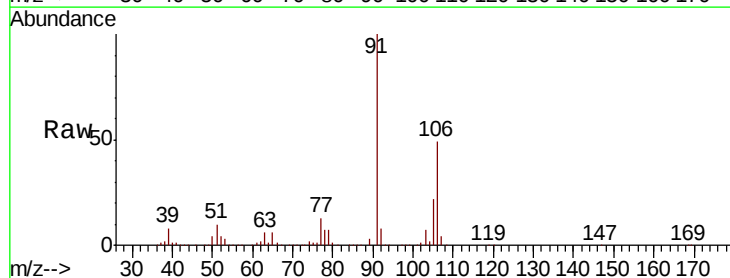
Instrument :
MSVOA_W
ClientSampleId :

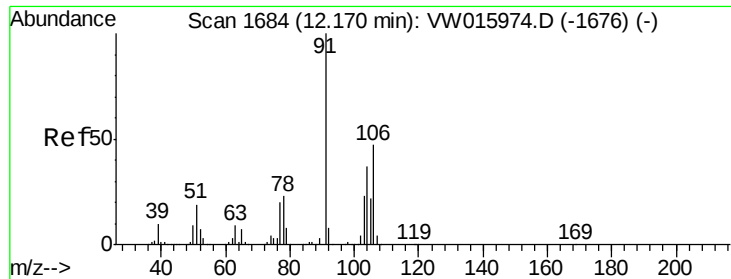
Tot Ion: 91 Resp: 792745
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#54
m,p-Xylene
Concen: 27.891 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015998.D
Acq: 30 Jul 2020 08:31

Tgt Ion: 106 Resp: 301584
Ion Ratio Lower Upper
106 100
91 202.5 144.1 267.5





#55

o-xylene

Concen: 27.900 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

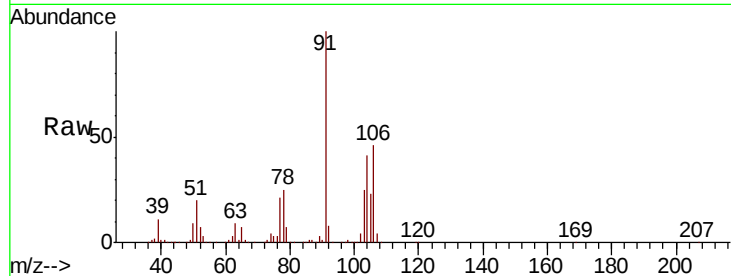
ClientSampled :

Tot Ion:106 Resp: 284076

Ion Ratio Lower Upper

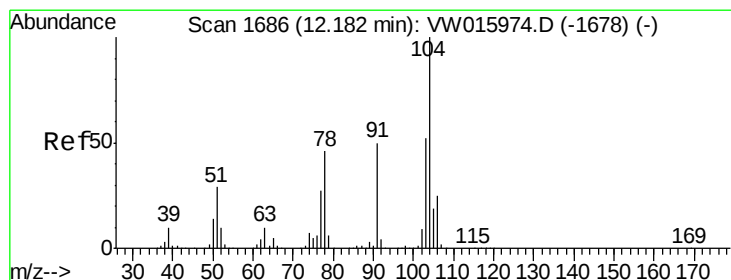
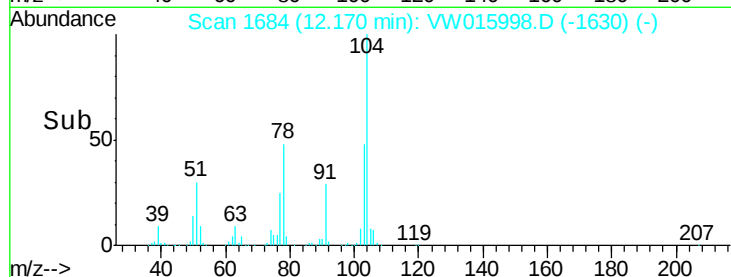
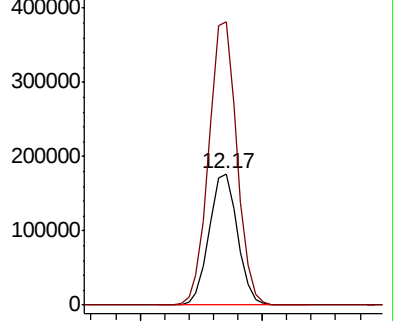
106 100

91 215.1 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.285 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015998.D

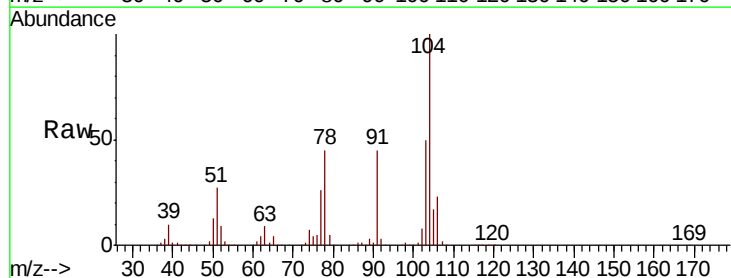
Acq: 30 Jul 2020 08:31

Tgt Ion:104 Resp: 489759

Ion Ratio Lower Upper

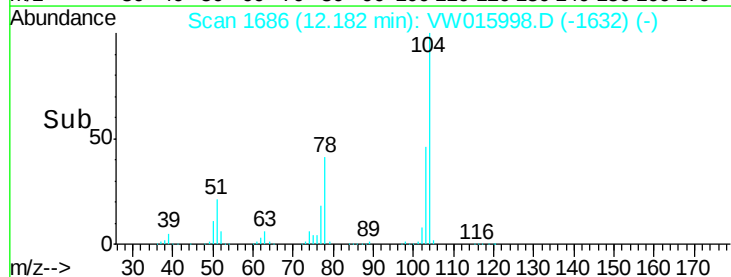
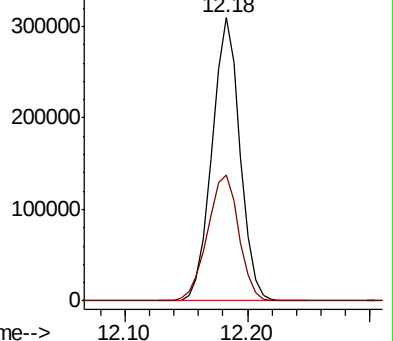
104 100

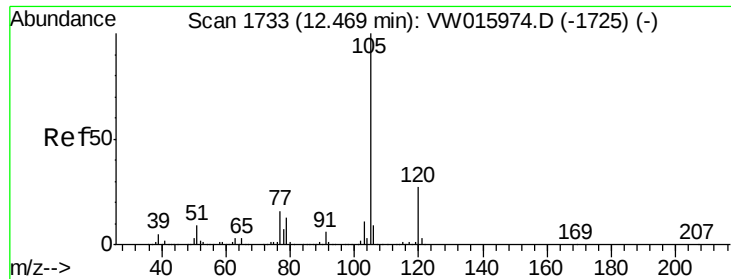
78 44.6 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.790 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

ClientSampled :

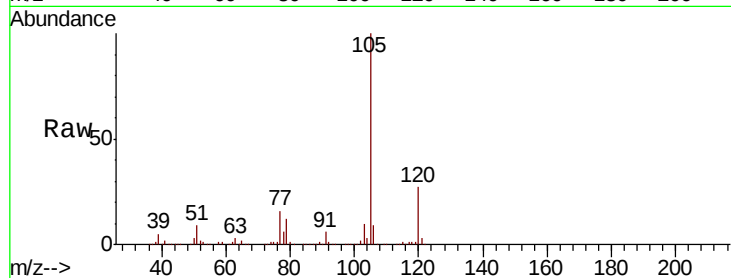
Tot Ion:105 Resp: 770249

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

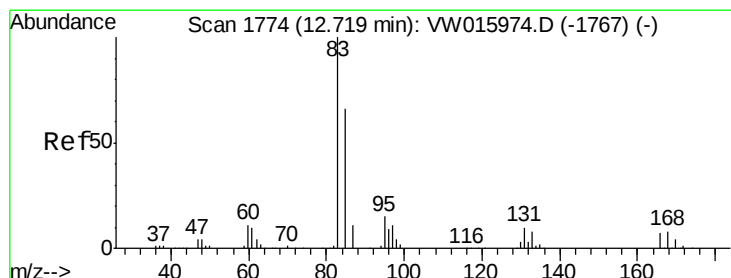
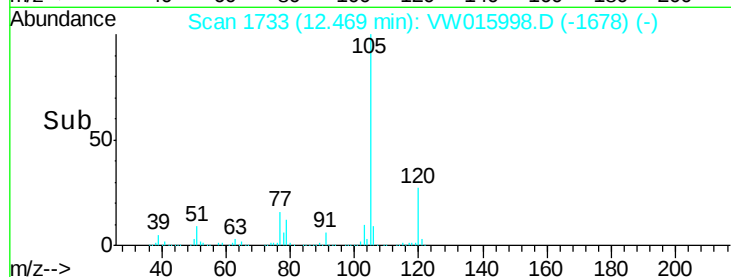
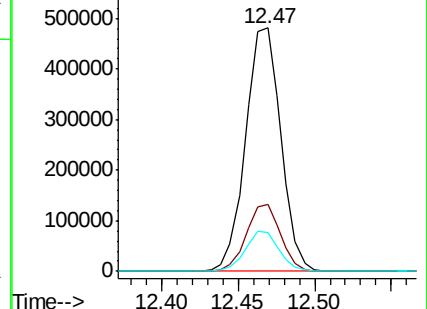
77 15.8 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.774 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

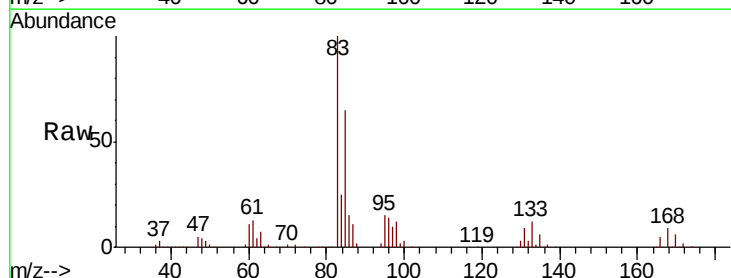
Tgt Ion: 83 Resp: 137252

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

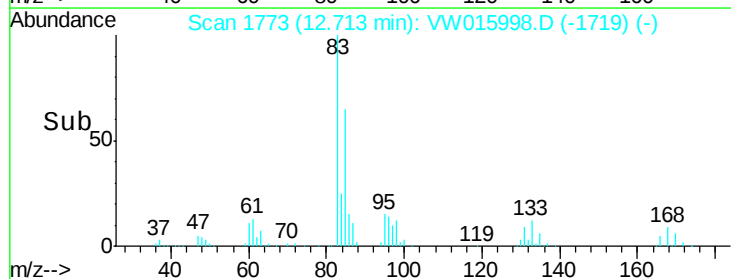
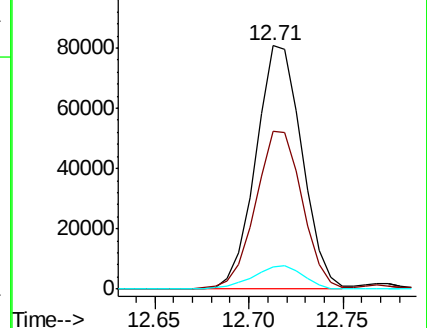
131 8.9 8.2 12.4

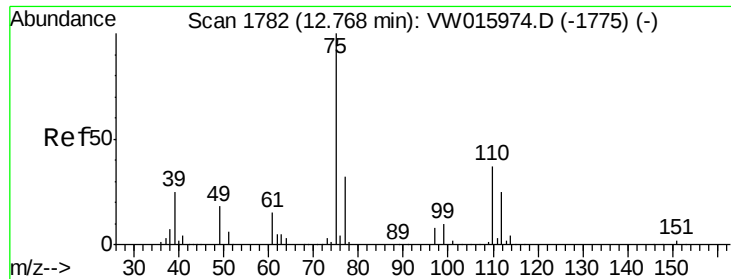


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.251 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

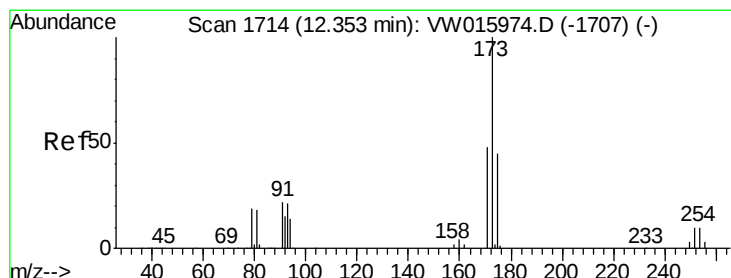
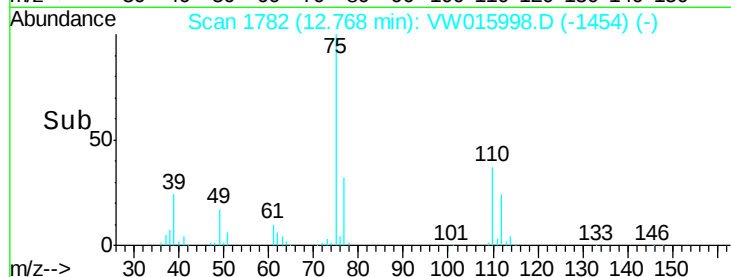
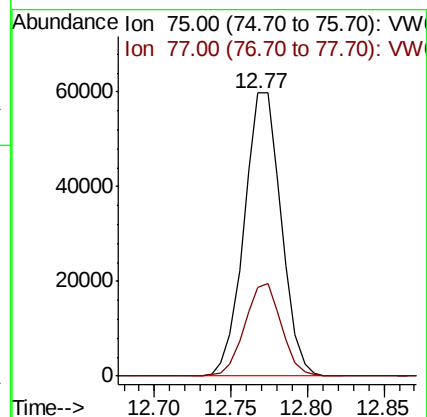
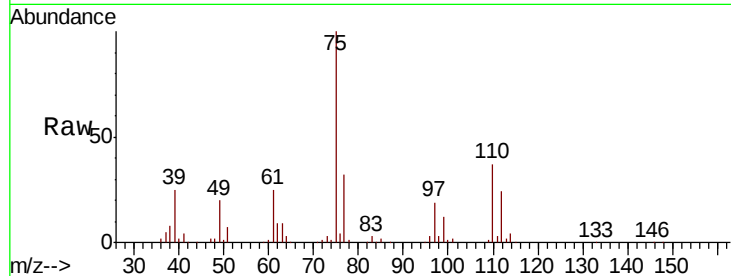
ClientSampleId :

Tot Ion: 75 Resp: 100830

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0



#62

Bromoform

Concen: 25.549 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

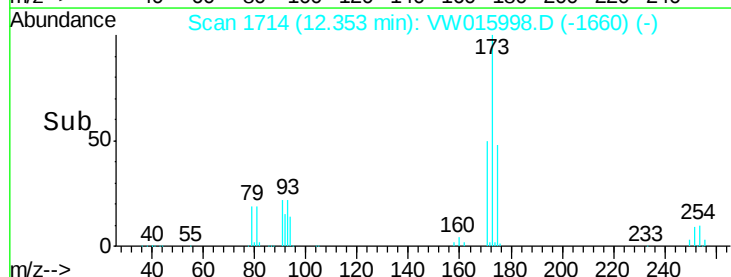
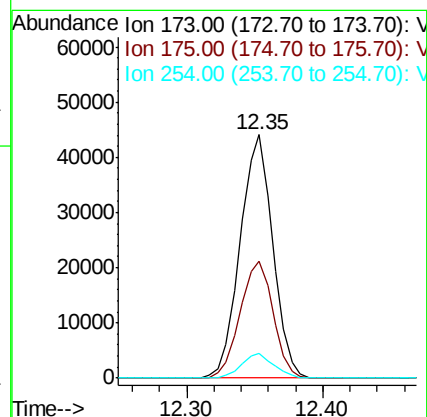
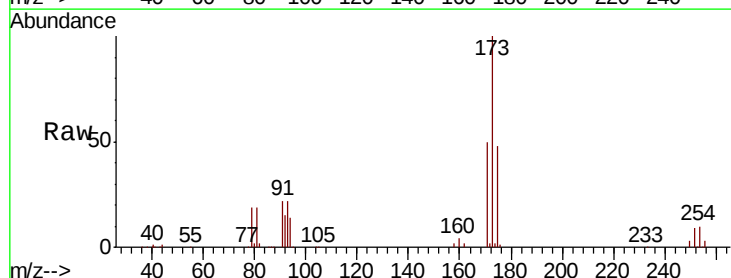
Tgt Ion:173 Resp: 73708

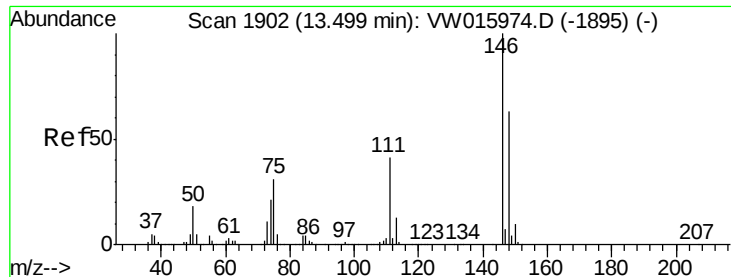
Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

254 10.1 7.9 11.9

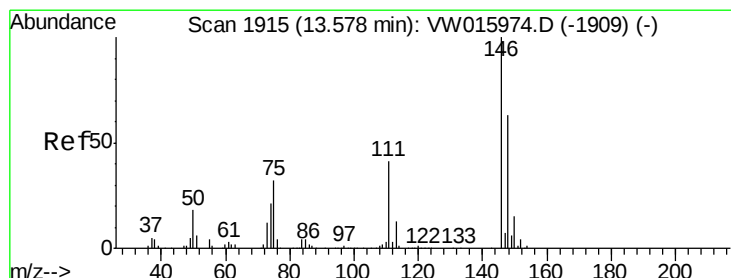
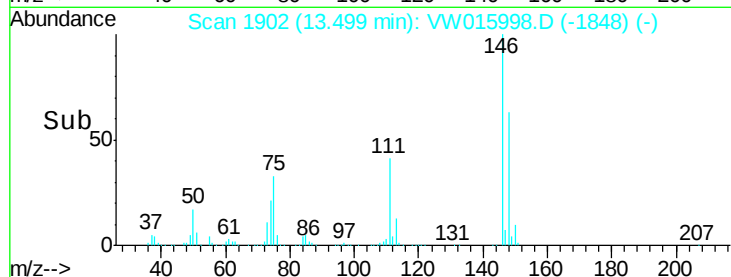
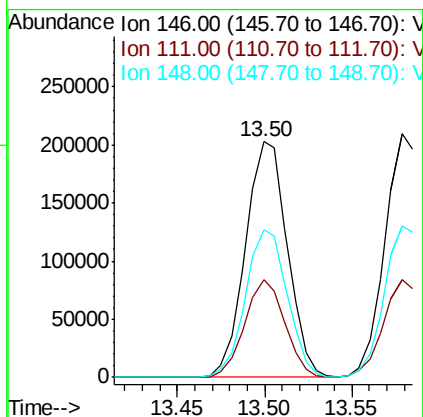
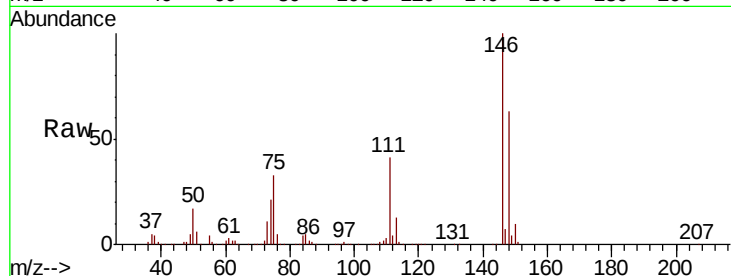




#63
 1,3-Dichlorobenzene
 Concen: 26.877 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

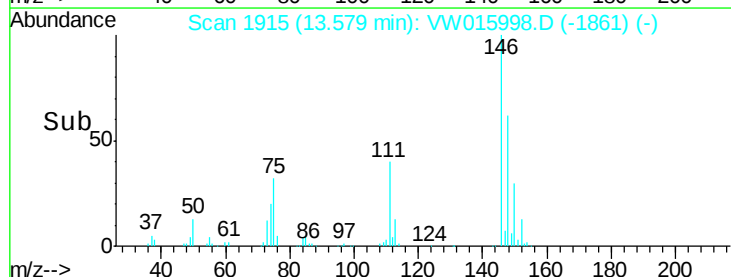
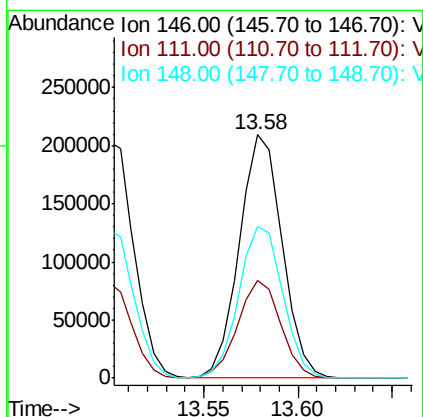
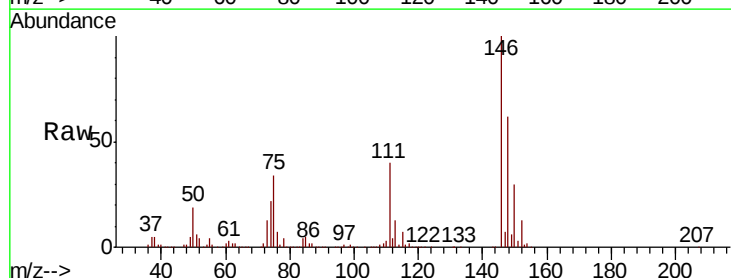
Instrument :
 MSVOA_W
 ClientSampleId :

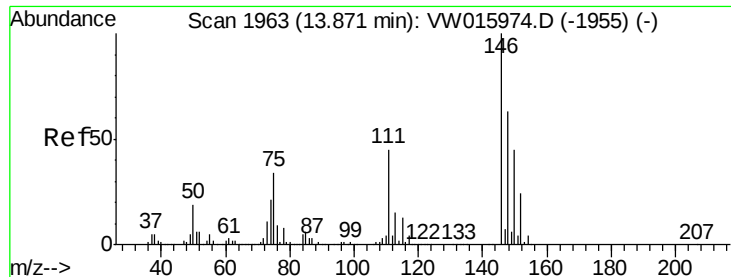
Tot Ion:146 Resp: 337348
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.9 51.7
 148 63.0 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 25.991 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion:146 Resp: 331088
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.3 54.3
 148 62.3 44.5 82.7

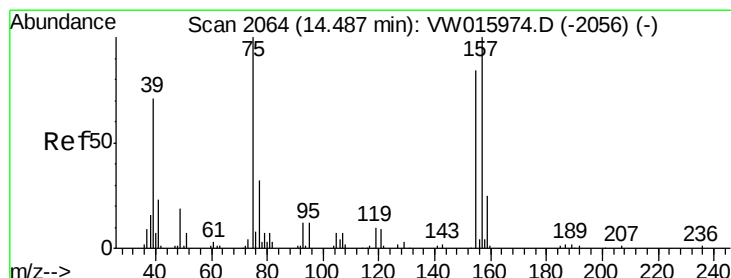
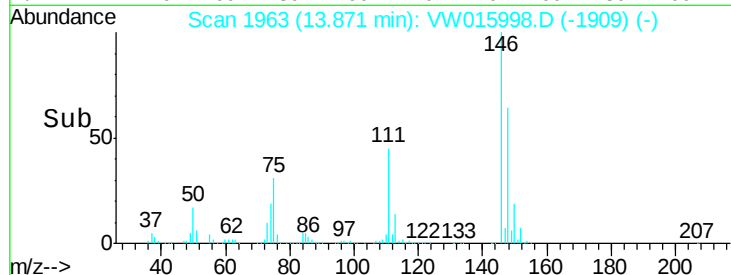
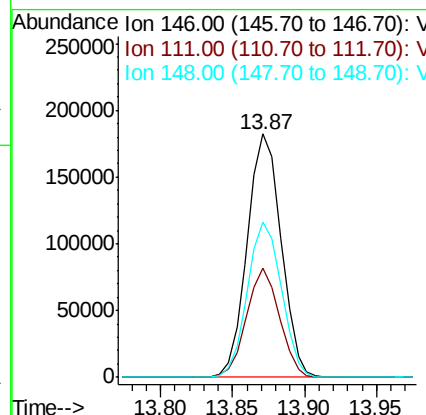
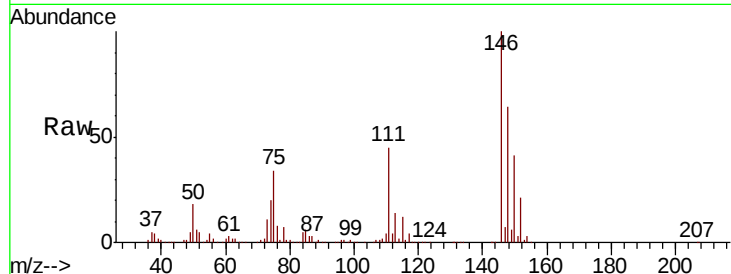




#65
 1,2-Dichlorobenzene
 Concen: 26.113 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

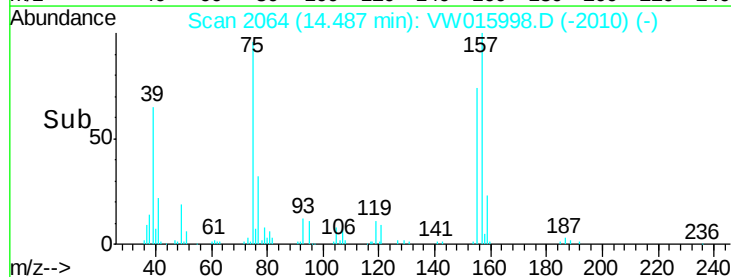
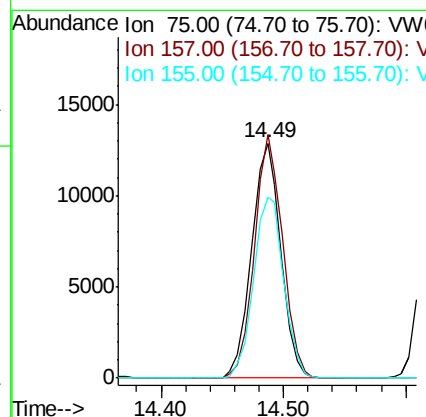
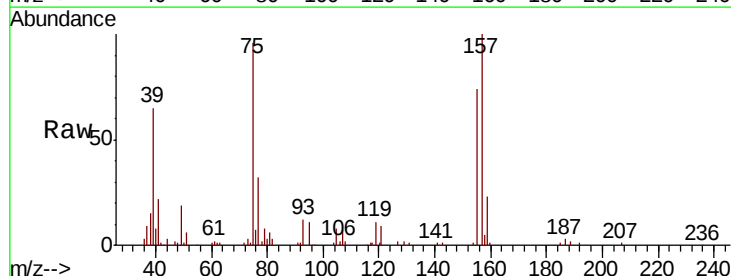
Instrument :
 MSVOA_W
 ClientSampled :

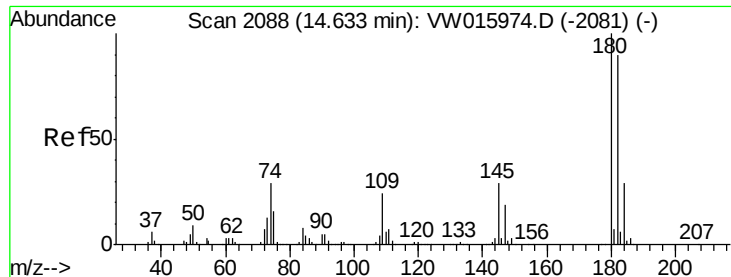
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	32.9	49.3
148	63.9	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.891 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.7	83.0	124.4
155	77.1	66.9	100.3

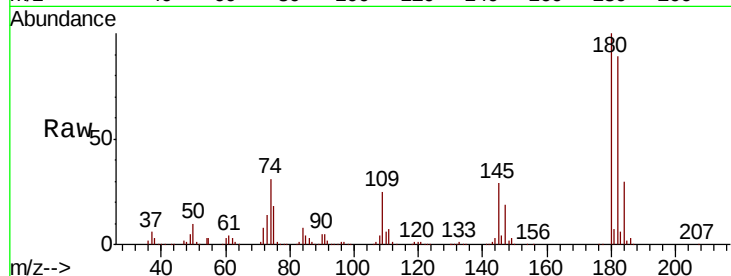




#67
 1,3,5-Trichlorobenzene
 Concen: 26.812 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.4	113.0
184	30.1	24.6	37.0
145	30.0	24.1	36.1

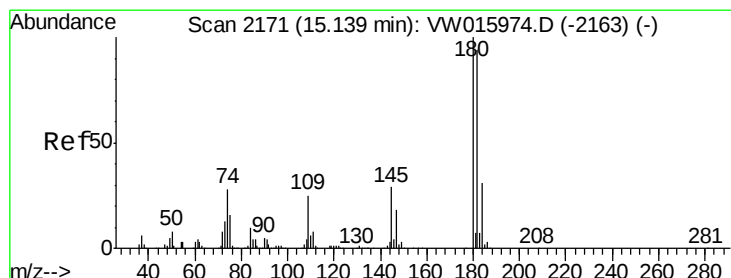
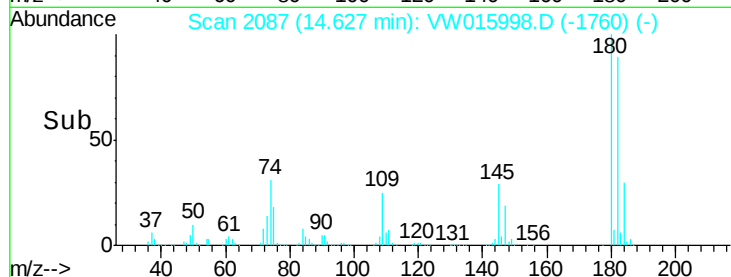
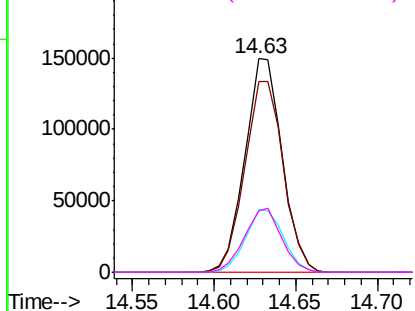


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

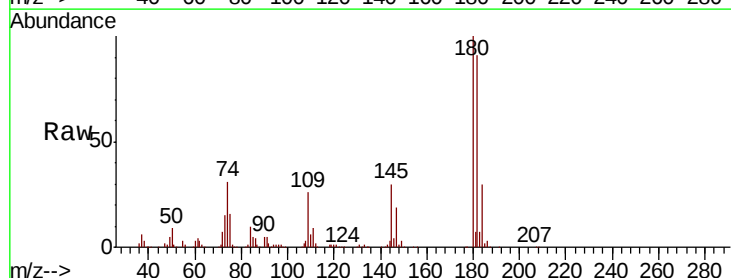
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.886 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015998.D
 Acq: 30 Jul 2020 08:31

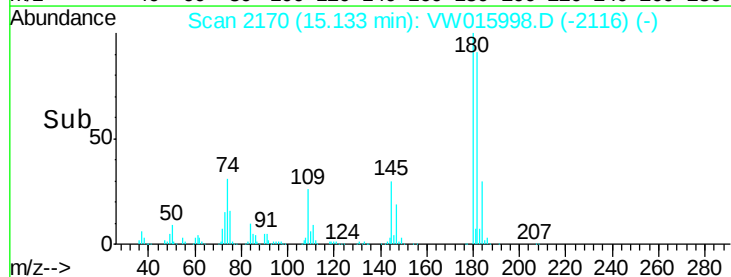
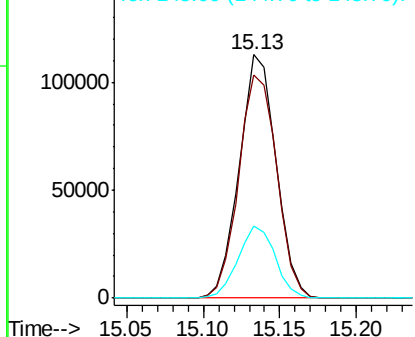
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
145	29.8	24.3	36.5

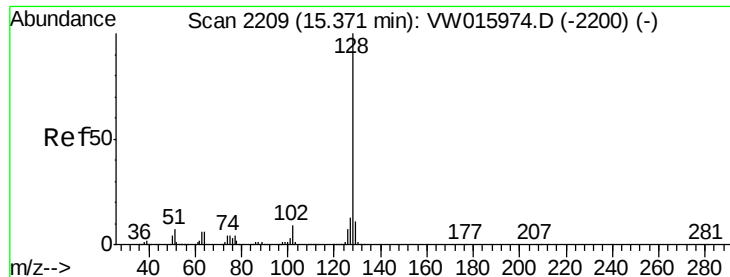


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.335 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

Instrument :

MSVOA_W

ClientSampled :

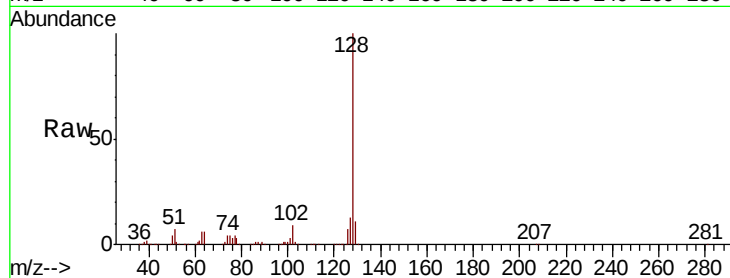
Tot Ion:128 Resp: 347788

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

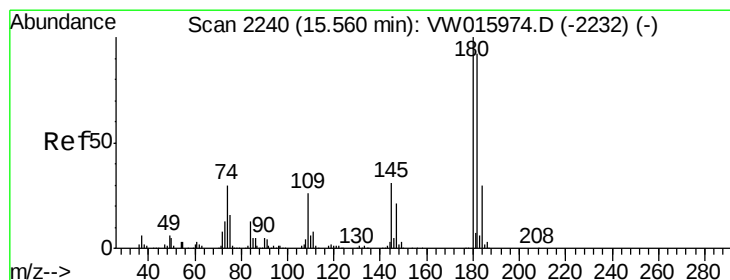
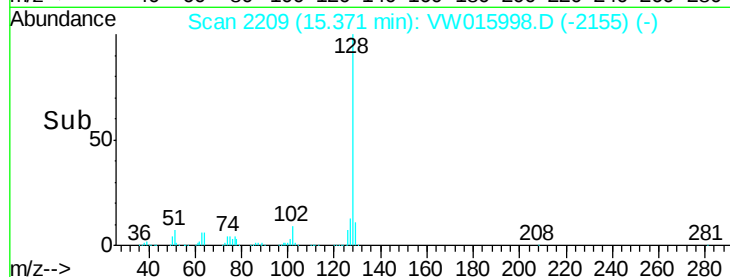
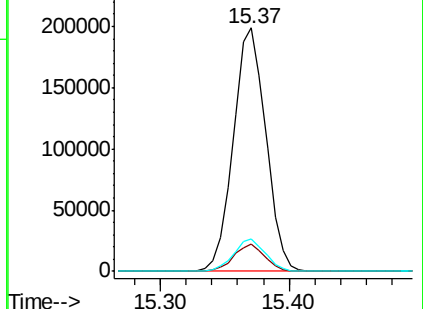
127 12.9 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.241 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015998.D

Acq: 30 Jul 2020 08:31

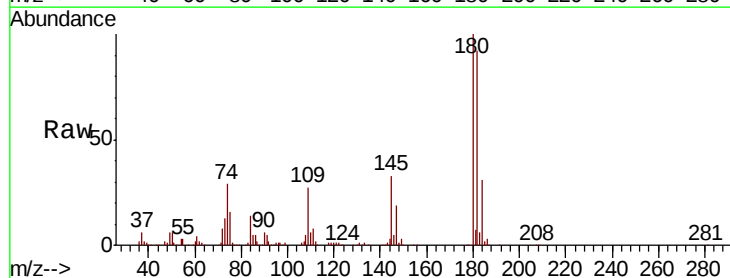
Tgt Ion:180 Resp: 163897

Ion Ratio Lower Upper

180 100

182 95.0 74.0 111.0

145 33.1 25.9 38.9



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

