

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072820\
 Data File : VW015974.D
 Acq On : 28 Jul 2020 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 29 04:34:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 22:34:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	430584	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	396864	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191383	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113050	18.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.44%
7) Chloroethane-d5	2.90	69	107523	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
10) 1,1-Dichloroethene-d2	4.02	63	271422	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.40%
20) 2-Butanone-d5	7.09	46	88011	55.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.28%
24) Chloroform-d	7.65	84	277680	22.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	8.30	65	148470	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.44%
29) Benzene-d6	8.27	84	542176	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.27	67	166221	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.80%
37) Toluene-d8	10.32	98	469935	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.92%
38) trans-1,3-Dichloropropene-	10.58	79	67653	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	68229	56.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143229	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	169091	22.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	94295	25.880	ug/L	94
3) Chloromethane	2.21	50	121614	27.598	ug/L	98
5) Vinyl chloride	2.37	62	176155	25.918	ug/L	100
6) Bromomethane	2.79	94	102910	25.380	ug/L	100
8) Chloroethane	2.93	64	107038	26.884	ug/L	99
9) Trichlorofluoromethane	3.26	101	134943	29.538	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	153507	27.488	ug/L	99
12) 1,1-Dichloroethene	4.04	96	150851	27.254	ug/L	94
13) Acetone	4.14	43	89629	66.872	ug/L	97
14) Carbon disulfide	4.38	76	455198	26.040	ug/L	100
15) Methyl Acetate	4.68	43	75435	29.850	ug/L	99
16) Methylene chloride	4.92	84	170190	24.121	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	225079	28.756	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	156786	26.824	ug/L	98
19) 1,1-Dichloroethane	6.22	63	293549	27.253	ug/L	98
21) 2-Butanone	7.18	43	108807	65.649	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	167922	27.459	ug/L	99

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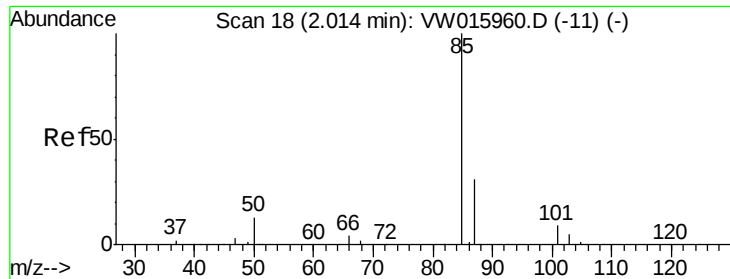
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 29 04:34:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 22:34:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	74551	27.801	ug/L	98
25) Chloroform	7.68	83	288954	27.068	ug/L	99
27) 1,2-Dichloroethane	8.40	62	190967	26.290	ug/L #	95
30) Cyclohexane	7.96	56	266720	26.654	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	243632	26.291	ug/L	99
32) Carbon tetrachloride	8.07	117	220555	26.247	ug/L	100
34) Benzene	8.32	78	652859	27.085	ug/L	100
35) Trichloroethene	9.09	95	168923	26.492	ug/L	98
36) Methylcyclohexane	9.34	83	292323	26.718	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162904	27.281	ug/L	99
41) Bromodichloromethane	9.65	83	203671	26.411	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	250189	27.510	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	208343	59.776	ug/L	99
44) Toluene	10.39	91	689679	27.281	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	218228	27.684	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	121230	28.233	ug/L	99
47) Tetrachloroethene	10.87	164	131248	26.518	ug/L	95
49) 2-Hexanone	10.97	43	154934	62.641	ug/L	97
50) Dibromochloromethane	11.13	129	137933	27.746	ug/L	97
51) 1,2-Dibromoethane	11.24	107	114934	27.980	ug/L	97
52) Chlorobenzene	11.66	112	429665	26.524	ug/L	99
53) Ethylbenzene	11.73	91	769573	27.071	ug/L	98
54) m,p-Xylene	11.84	106	287411	27.023	ug/L	97
55) o-xylene	12.17	106	274041	27.364	ug/L	98
56) Styrene	12.18	104	474381	27.854	ug/L	99
57) Isopropylbenzene	12.47	105	741287	27.191	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	147228	29.199	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	110177	29.164	ug/L	99
62) Bromoform	12.35	173	79238	28.145	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	324148	26.464	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	329747	26.526	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	290505	26.110	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	24274	28.986	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	234244	27.198	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	189238	27.663	ug/L	99
69) Naphthalene	15.37	128	387512	30.068	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	169956	27.883	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 25.880 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

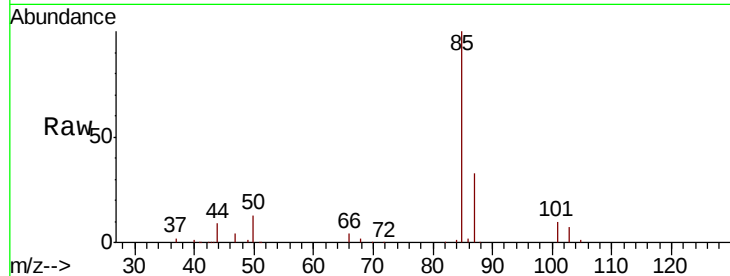
ClientSampleId :

Tot Ion: 85 Resp: 94295

Ion Ratio Lower Upper

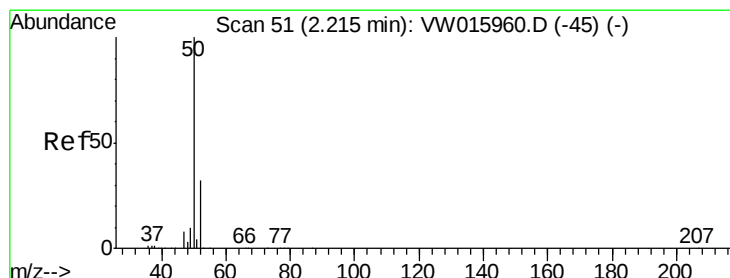
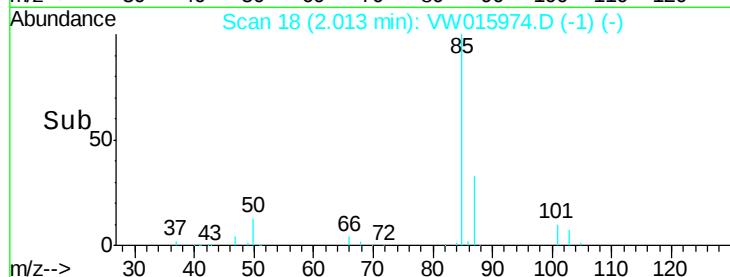
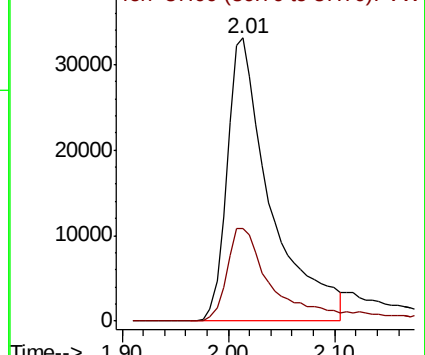
85 100

87 33.1 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: 27.598 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015974.D

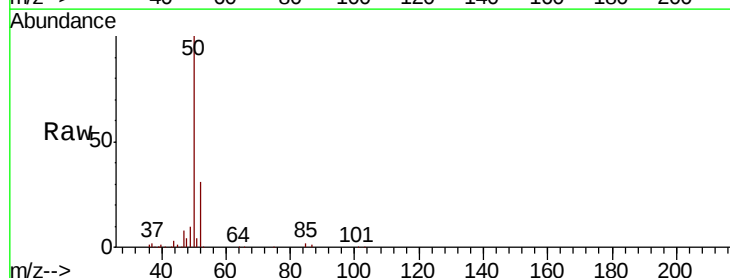
Acq: 28 Jul 2020 09:56

Tgt Ion: 50 Resp: 121614

Ion Ratio Lower Upper

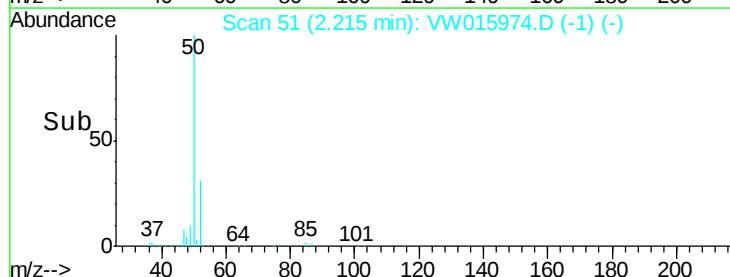
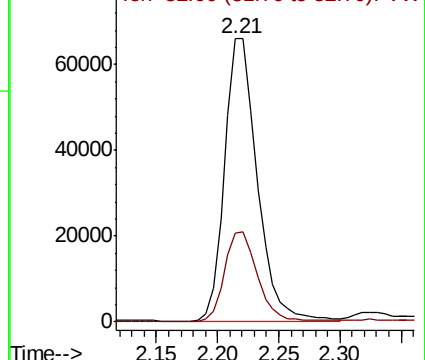
50 100

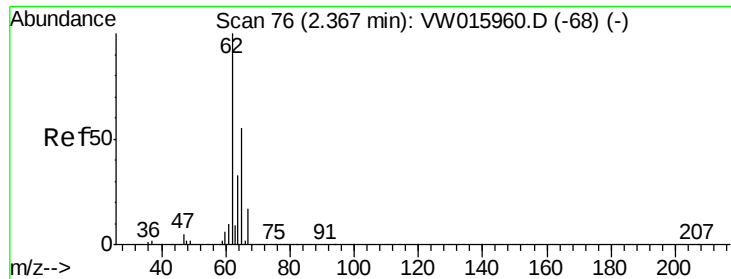
52 31.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.918 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

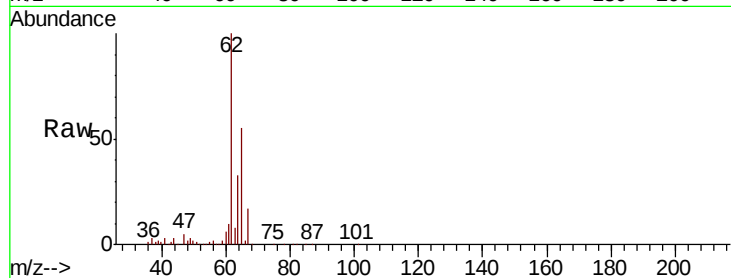
ClientSampleId :

Tot Ion: 62 Resp: 176155

Ion Ratio Lower Upper

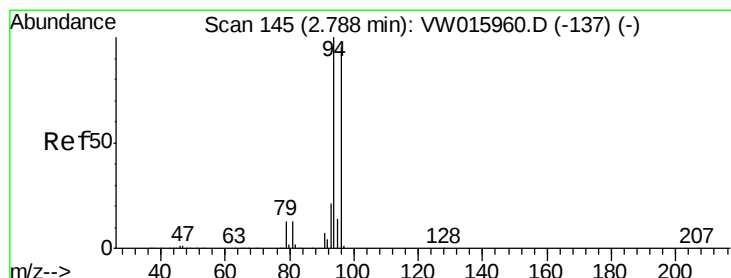
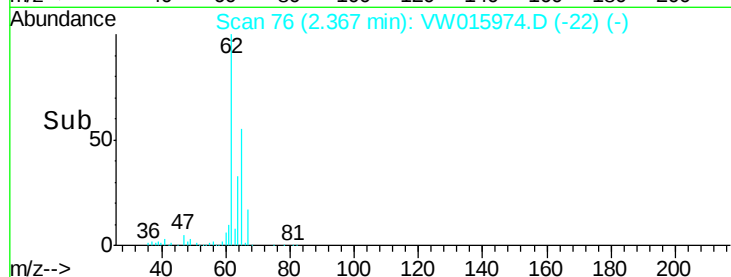
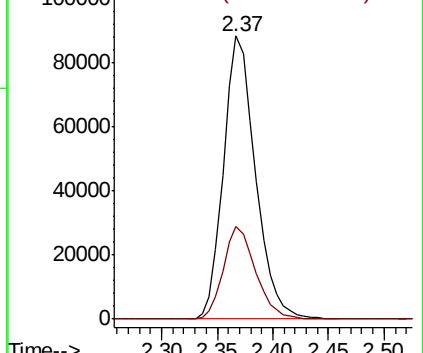
62 100

64 32.9 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: 25.380 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015974.D

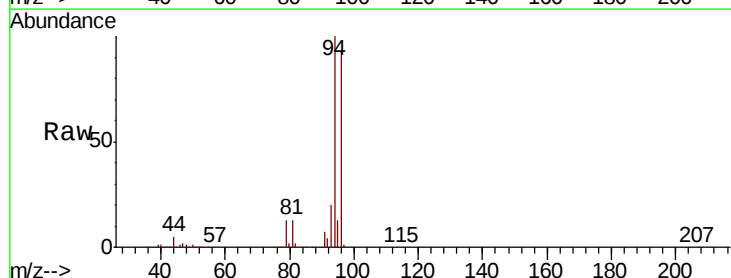
Acq: 28 Jul 2020 09:56

Tgt Ion: 94 Resp: 102910

Ion Ratio Lower Upper

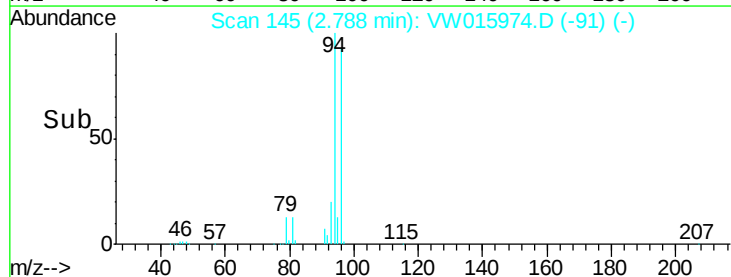
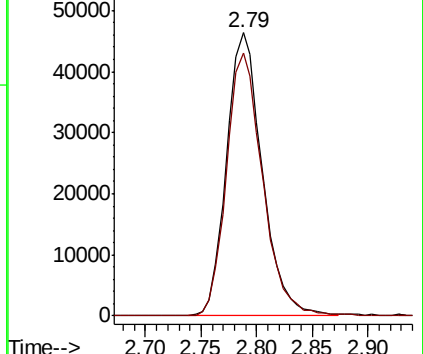
94 100

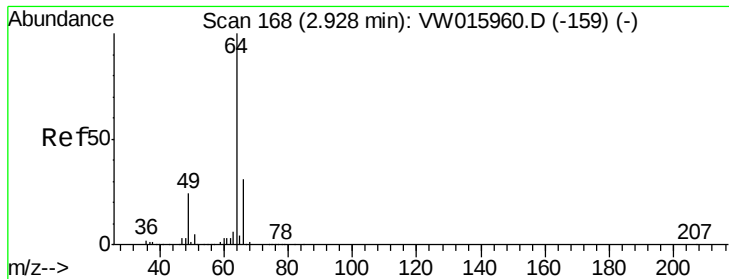
96 94.4 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

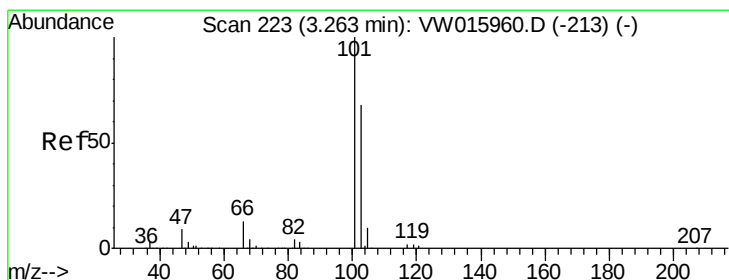
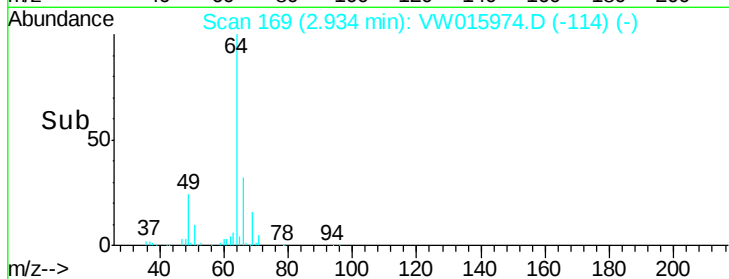
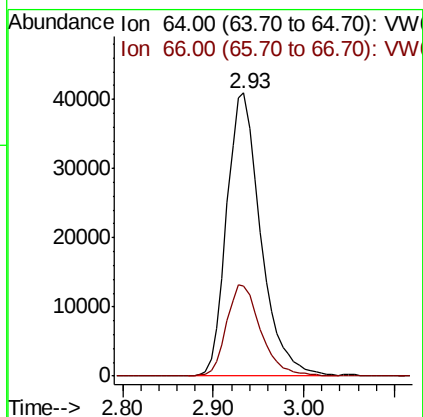
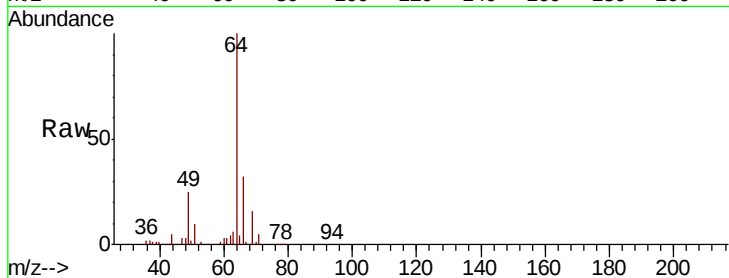




#8
Chloroethane
Concen: 26.884 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

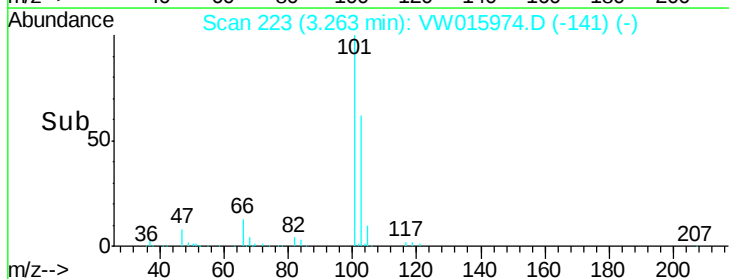
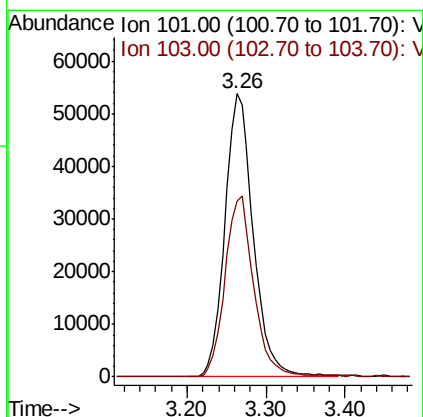
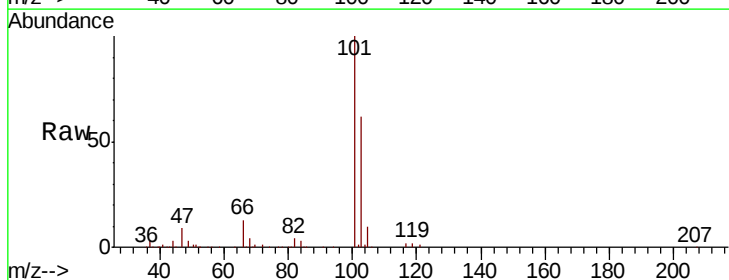
Instrument :
MSVOA_W
ClientSampled :

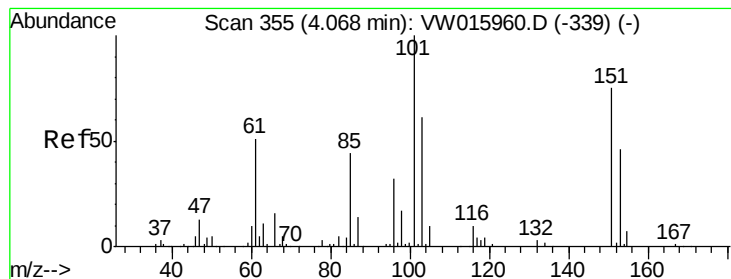
Tot Ion: 64 Resp: 107038
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 29.538 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion:101 Resp: 134943
Ion Ratio Lower Upper
101 100
103 64.5 45.8 85.2





#11

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

Concen: 27.488 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

ClientSampled :

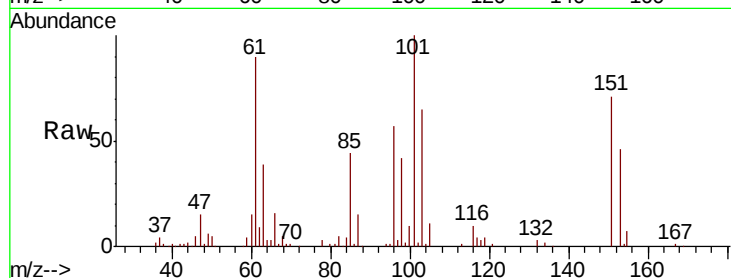
Tot Ion:101 Resp: 153507

Ion Ratio Lower Upper

101 100

85 42.6 35.5 53.3

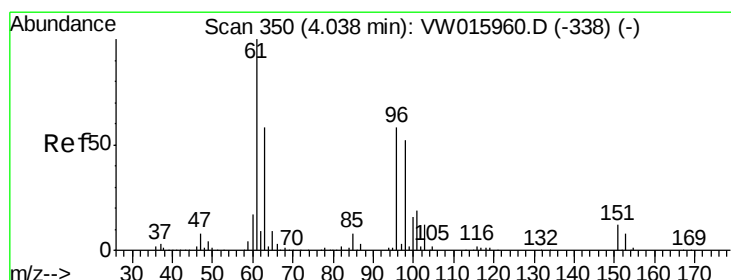
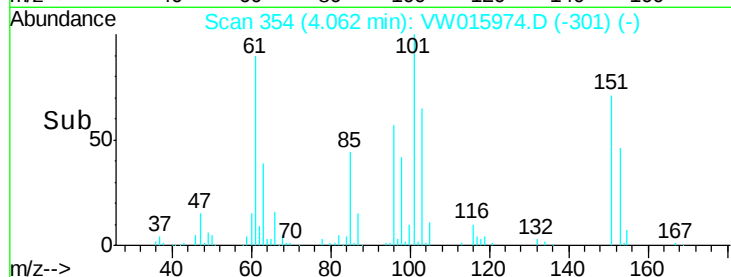
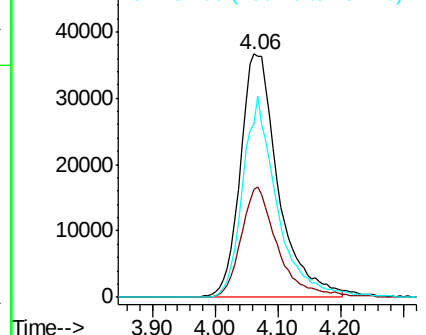
151 72.7 58.4 87.6



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: 27.254 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

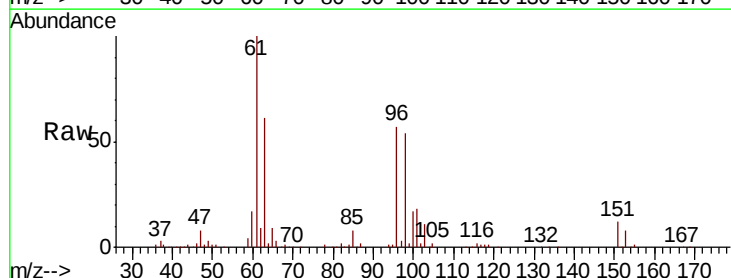
Tgt Ion: 96 Resp: 150851

Ion Ratio Lower Upper

96 100

61 174.1 125.0 232.2

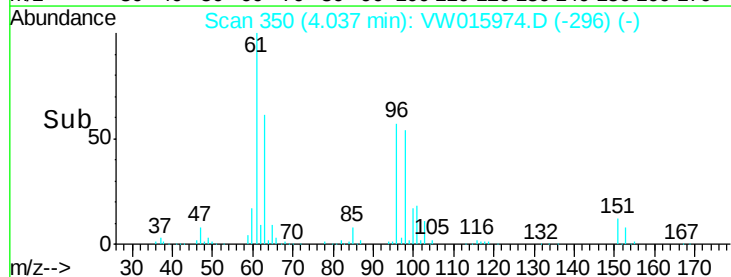
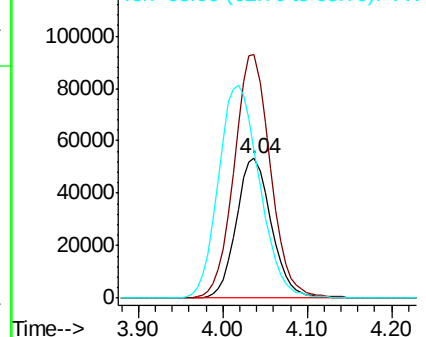
63 105.5 82.3 152.8

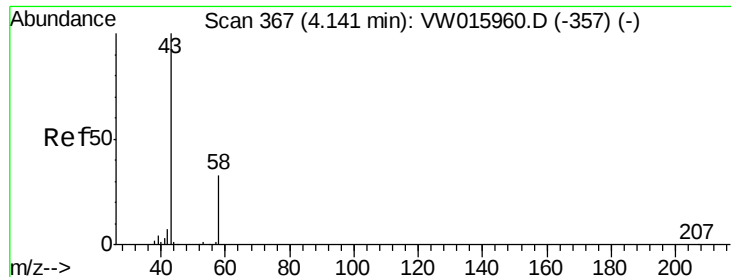


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 66.872 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

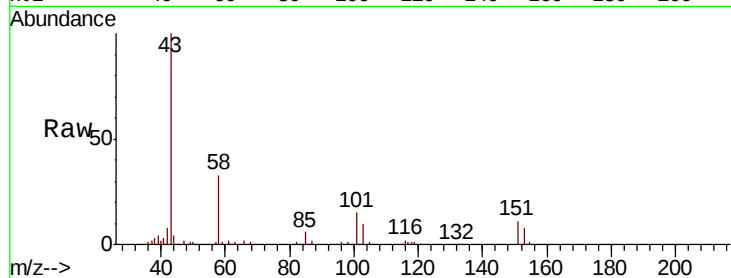
ClientSampleId :

Tot Ion: 43 Resp: 89629

Ion Ratio Lower Upper

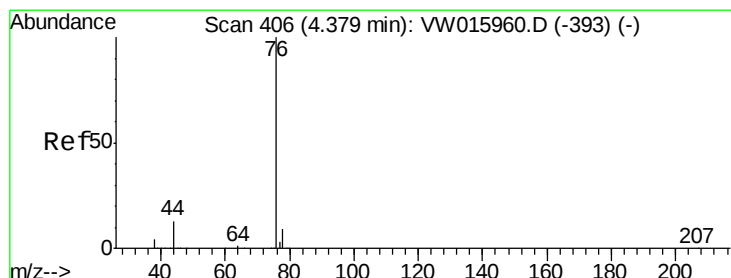
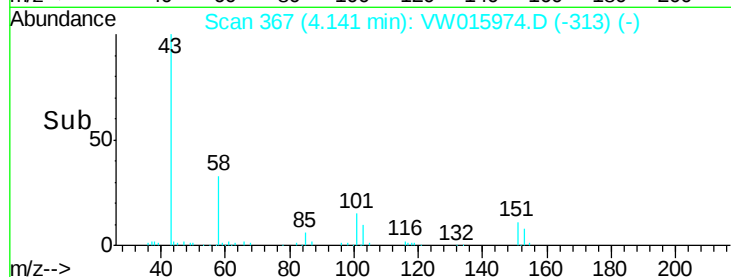
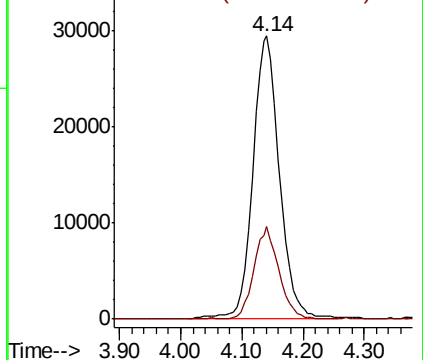
43 100

58 30.7 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.040 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015974.D

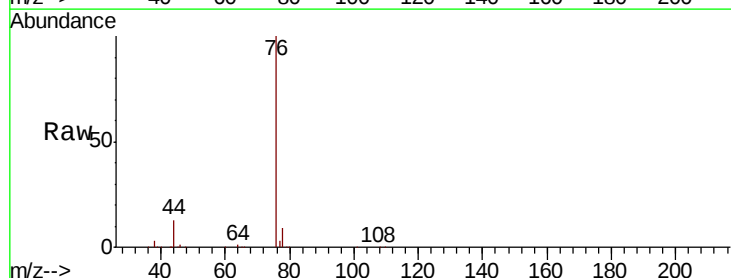
Acq: 28 Jul 2020 09:56

Tgt Ion: 76 Resp: 455198

Ion Ratio Lower Upper

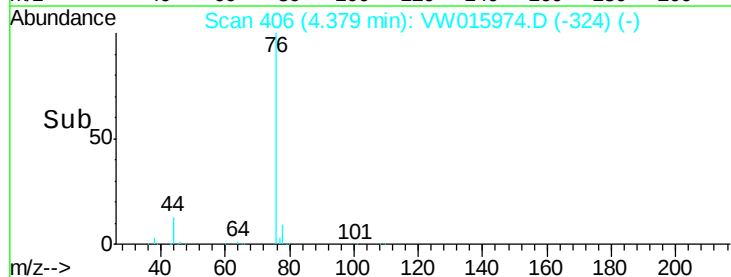
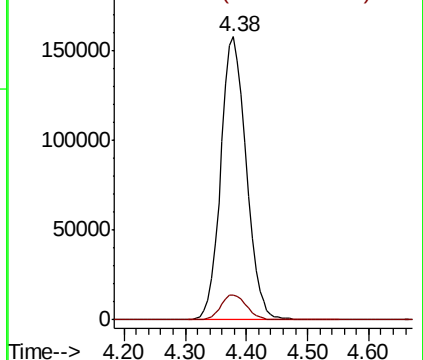
76 100

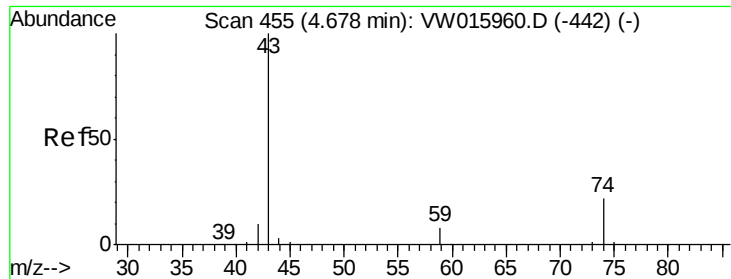
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

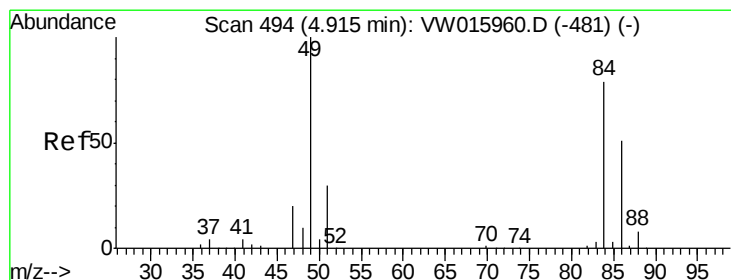
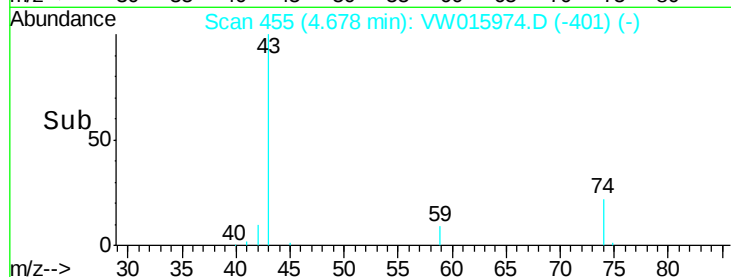
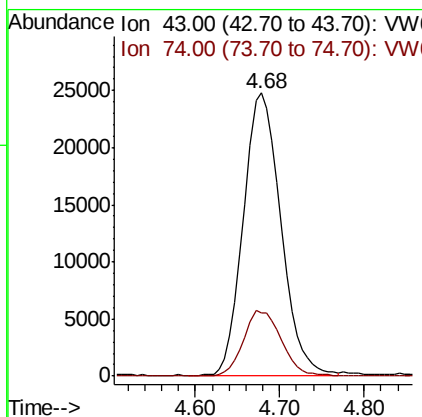
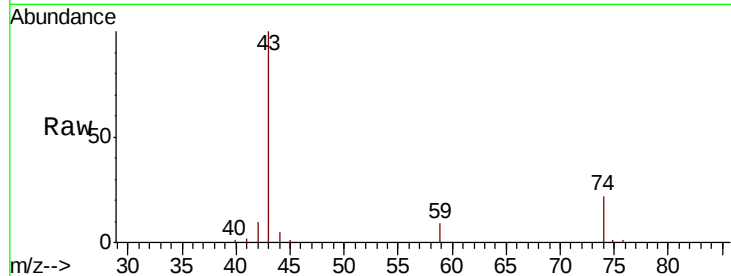




#15
Methvl Acetate
Concen: 29.850 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

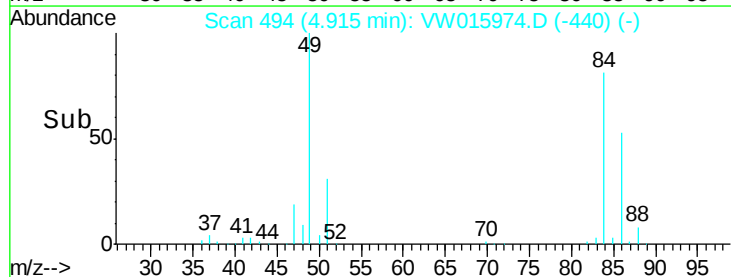
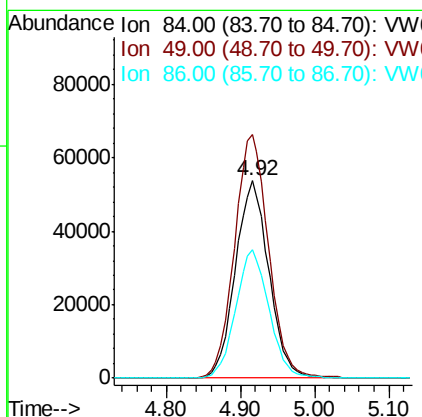
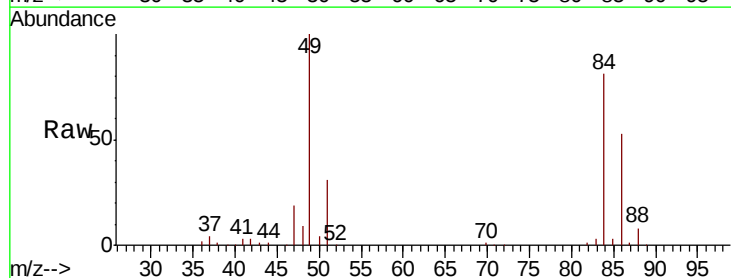
Instrument :
MSVOA_W
ClientSampled :

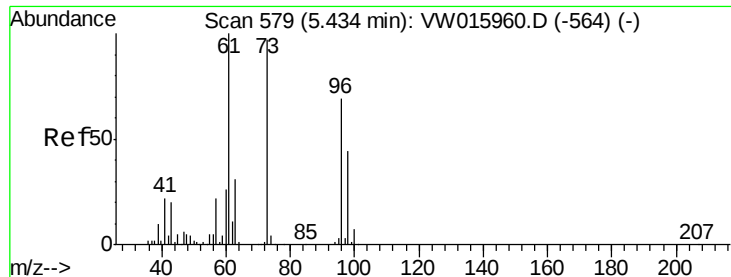
Tot Ion: 43 Resp: 75435
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.2



#16
Methylene chloride
Concen: 24.121 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion: 84 Resp: 170190
Ion Ratio Lower Upper
84 100
49 123.4 91.1 169.1
86 65.1 46.0 85.4

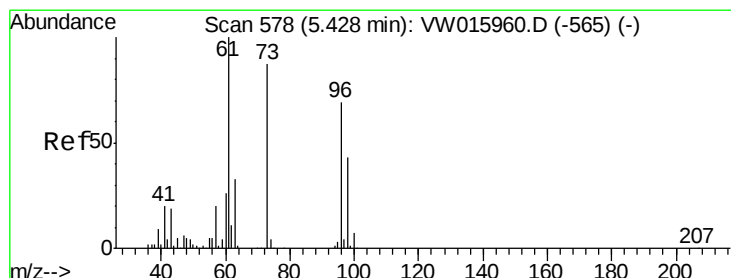
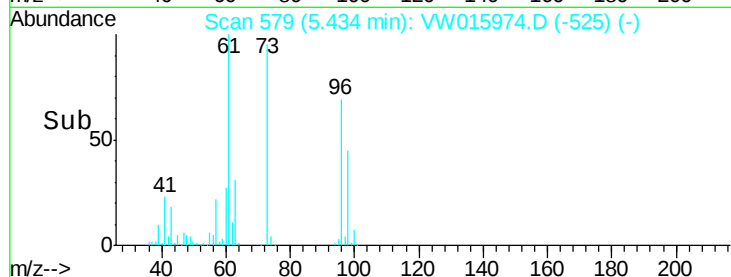
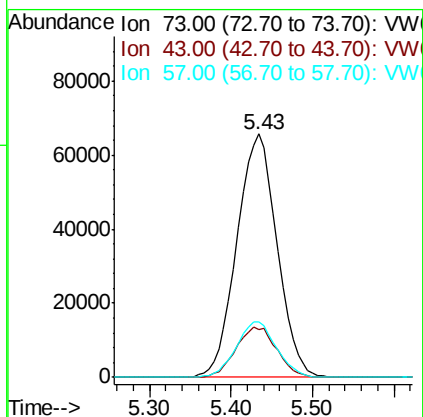
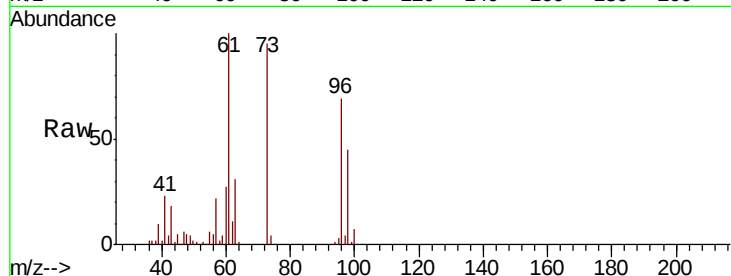




#17
Methvl tert-butvl Ether
Concen: 28.756 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

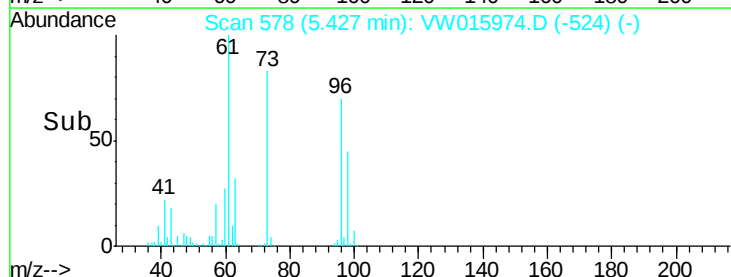
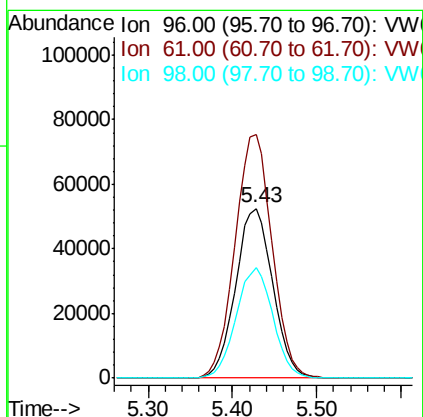
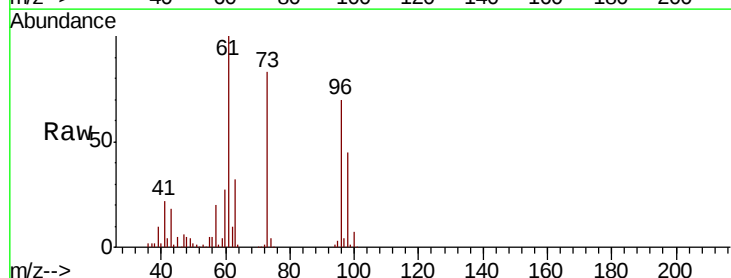
Instrument :
MSVOA_W
ClientSampleId :

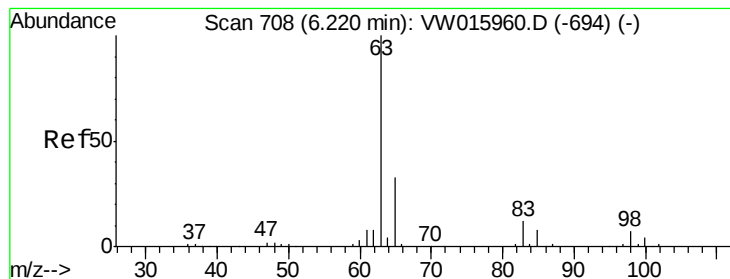
Tot Ion: 73 Resp: 225079
Ion Ratio Lower Upper
73 100
43 21.2 18.4 27.6
57 22.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.824 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion: 96 Resp: 156786
Ion Ratio Lower Upper
96 100
61 143.4 99.3 184.5
98 64.9 42.9 79.7





#19

1,1-Dichloroethane

Concen: 27.253 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

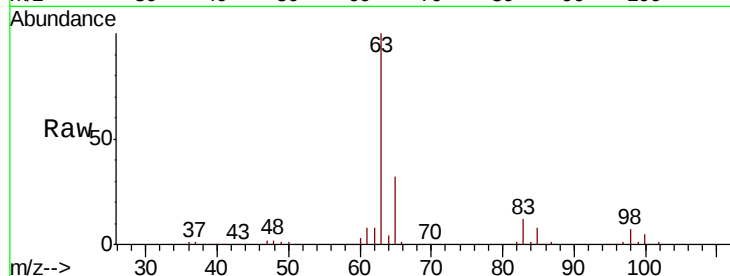
Tot Ion: 63 Resp: 293549

Ion Ratio Lower Upper

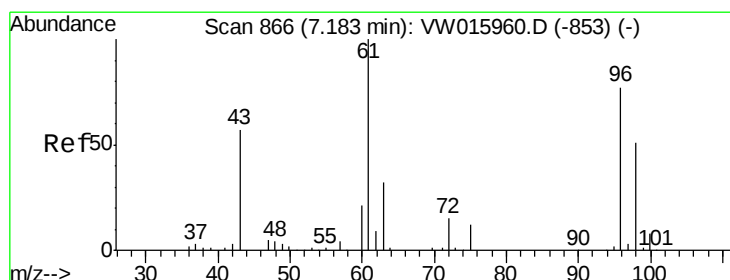
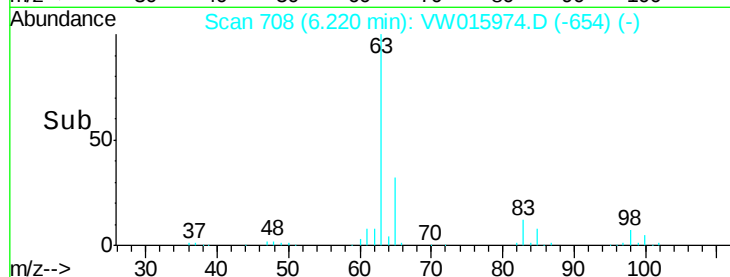
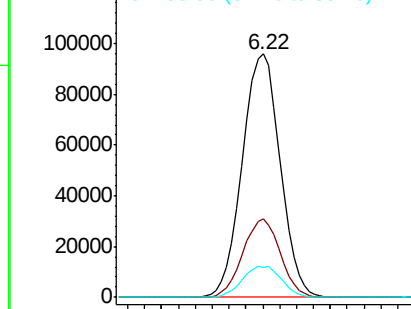
63 100

65 32.1 22.2 41.2

83 12.5 9.8 18.2



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



#21

2-Butanone

Concen: 65.649 ug/L

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW015974.D

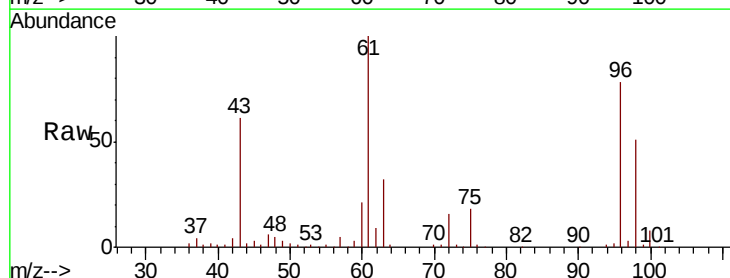
Acq: 28 Jul 2020 09:56

Tgt Ion: 43 Resp: 108807

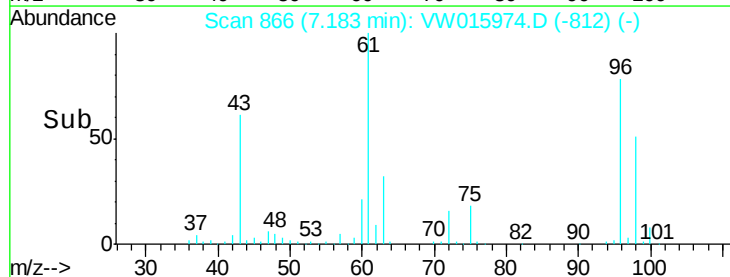
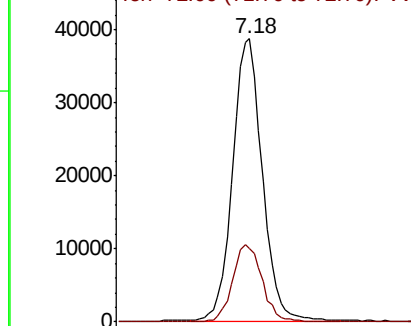
Ion Ratio Lower Upper

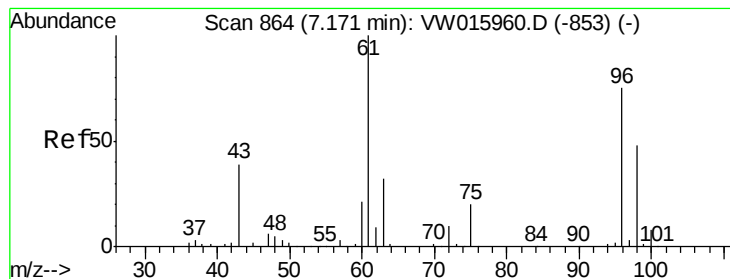
43 100

72 27.1 13.9 41.7



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



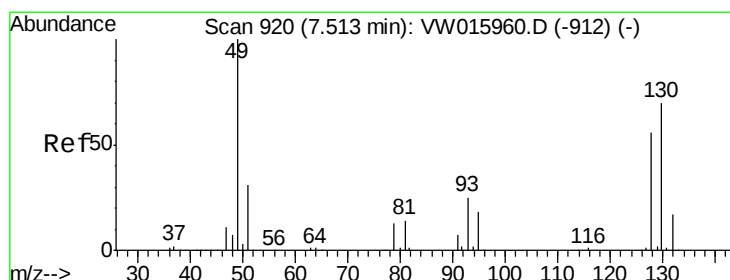
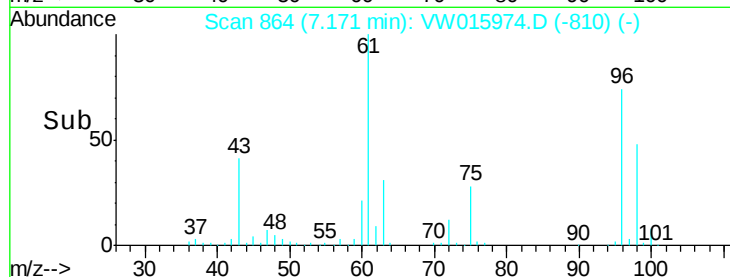
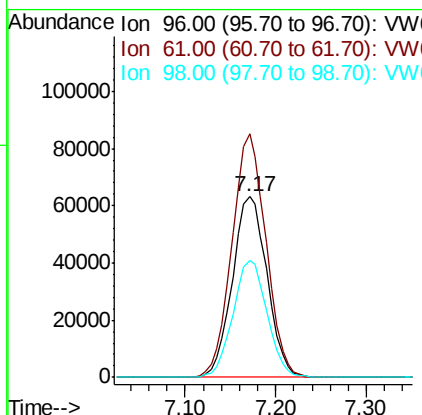
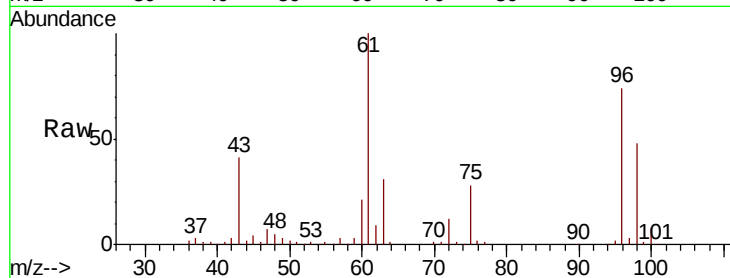


#22

cis-1,2-Dichloroethene
 Concen: 27.459 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Instrument :
 MSVOA_W
 ClientSampled :

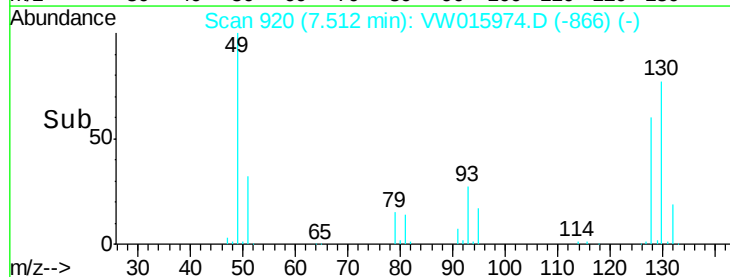
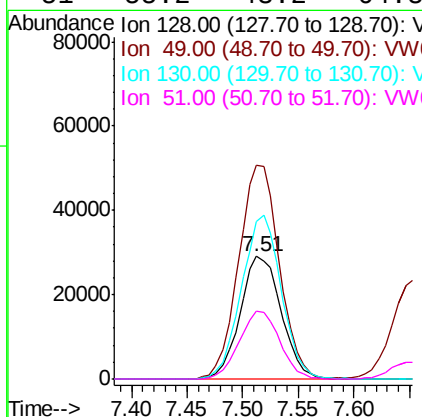
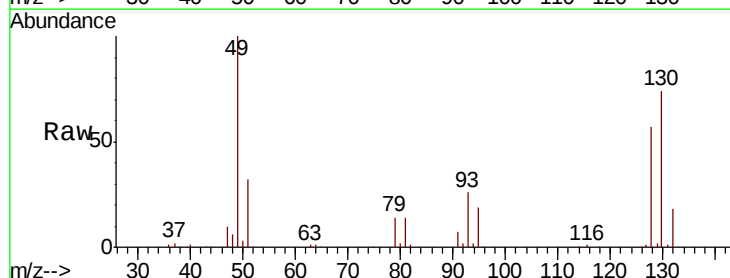
Tot Ion: 96 Resp: 167922
 Ion Ratio Lower Upper
 96 100
 61 134.8 94.6 175.8
 98 64.7 44.3 82.3

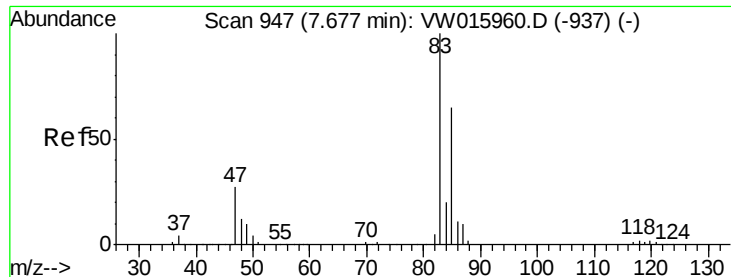


#23

Bromochloromethane
 Concen: 27.801 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Tgt Ion: 128 Resp: 74551
 Ion Ratio Lower Upper
 128 100
 49 174.0 122.4 227.2
 130 128.2 93.9 174.5
 51 55.2 43.2 64.8

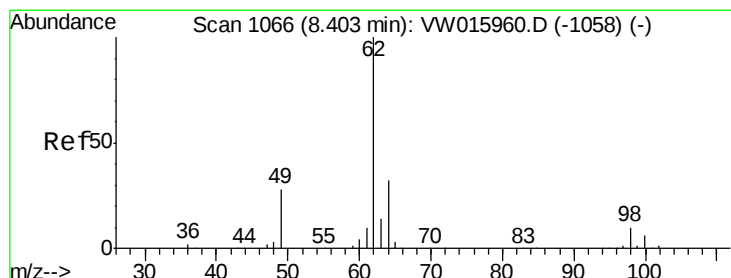
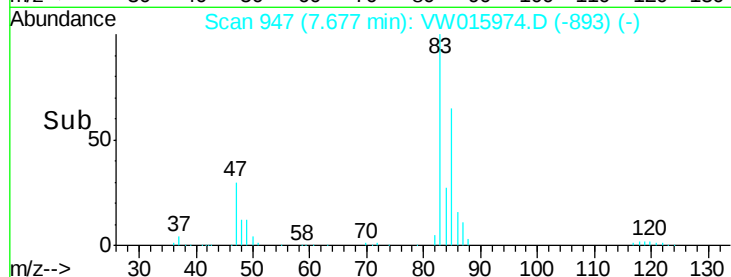
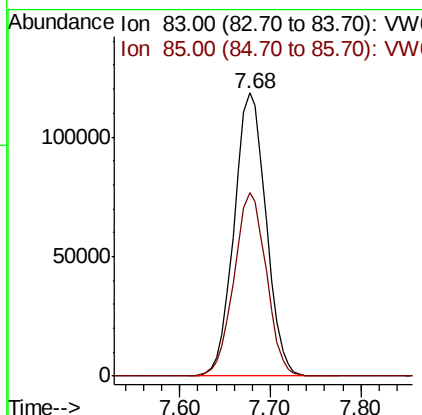
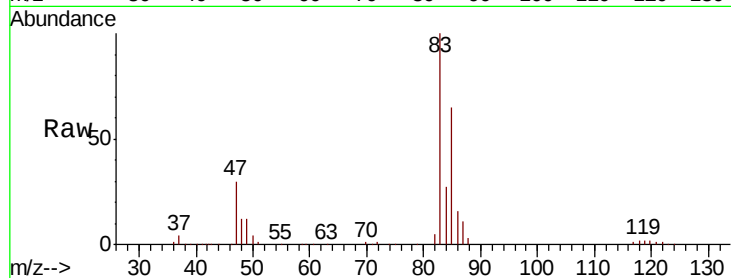




#25
Chloroform
Concen: 27.068 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

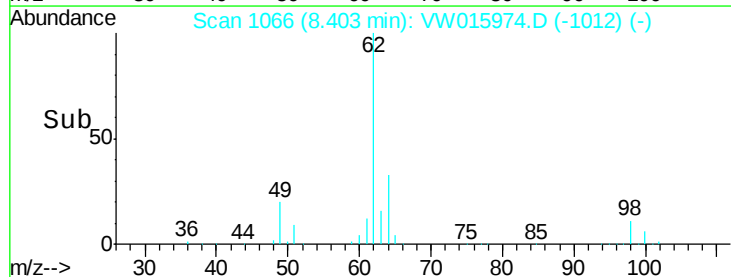
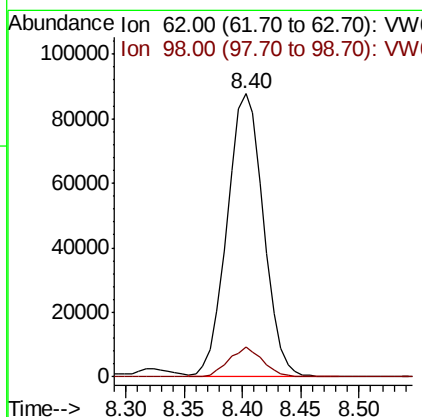
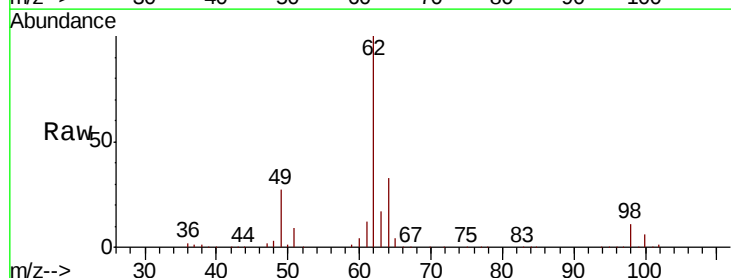
Instrument :
MSVOA_W
ClientSampleId :

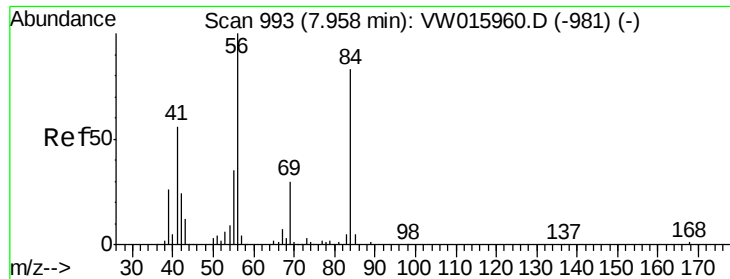
Tot Ion: 83 Resp: 288954
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 26.290 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion: 62 Resp: 190967
Ion Ratio Lower Upper
62 100
98 10.6 7.0 10.6#

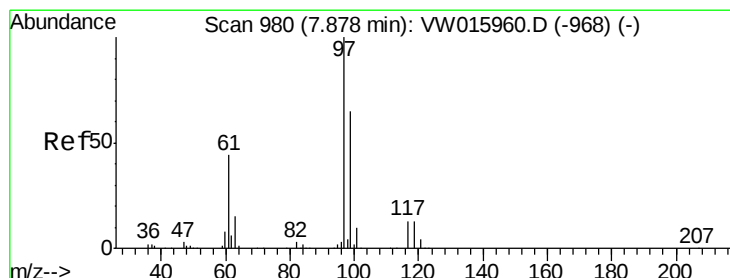
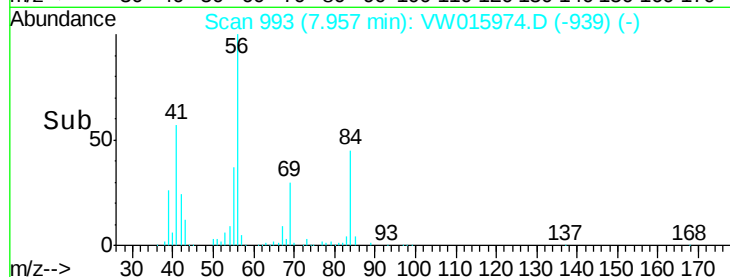
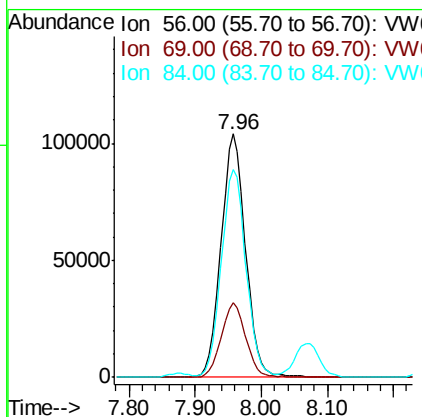
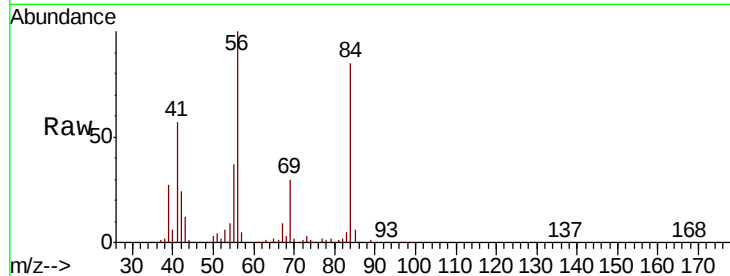




#30
Cyclohexane
Concen: 26.654 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

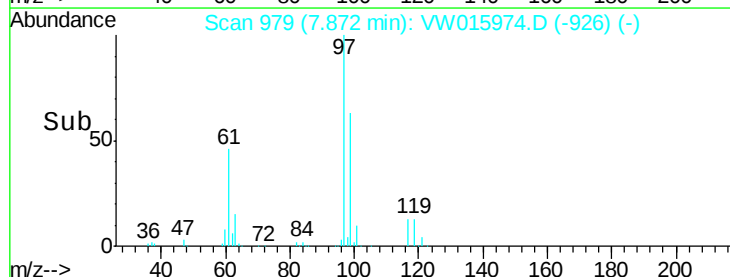
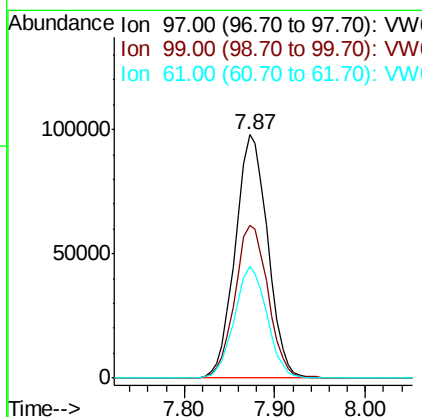
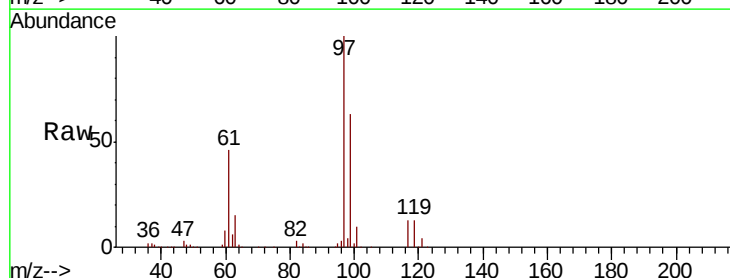
Instrument :
MSVOA_W
ClientSampled :

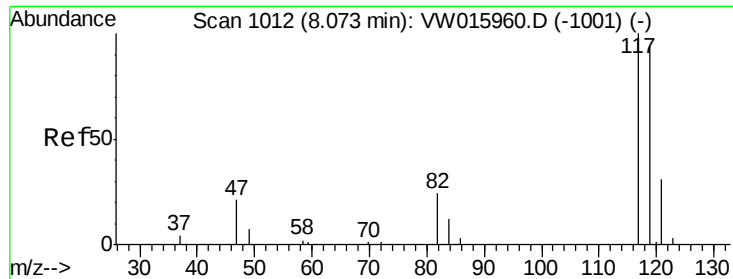
Tot Ion: 56 Resp: 266720
Ion Ratio Lower Upper
56 100
69 30.3 24.4 36.6
84 86.3 69.3 103.9



#31
1,1,1-Trichloroethane
Concen: 26.291 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion: 97 Resp: 243632
Ion Ratio Lower Upper
97 100
99 64.1 51.9 77.9
61 46.2 37.6 56.4





#32

Carbon tetrachloride

Concen: 26.247 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

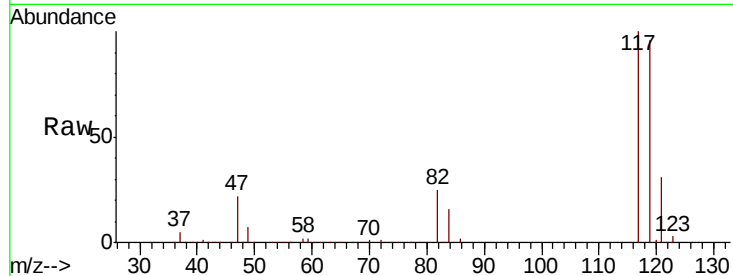
ClientSampled :

Tot Ion:117 Resp: 220555

Ion Ratio Lower Upper

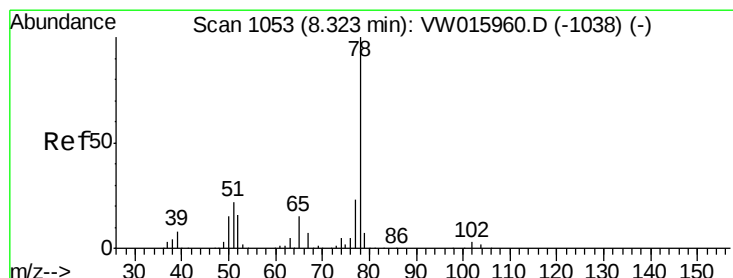
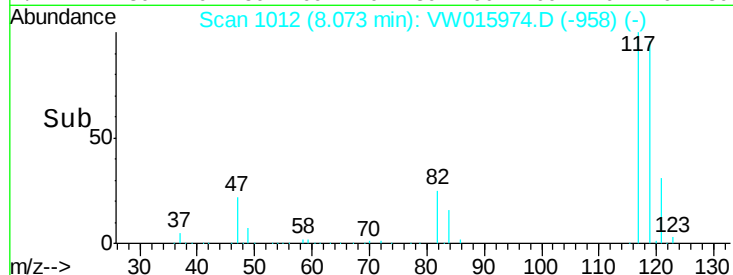
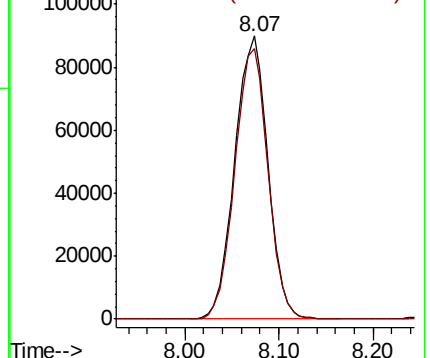
117 100

119 95.5 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: 27.085 ug/L

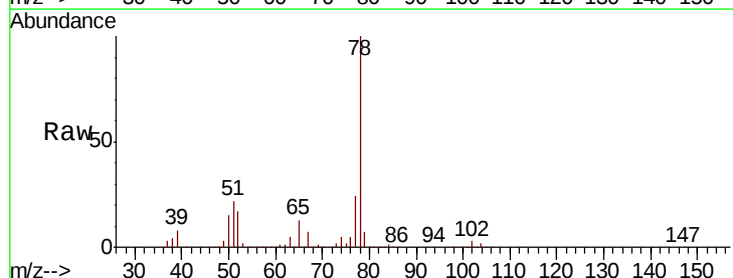
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

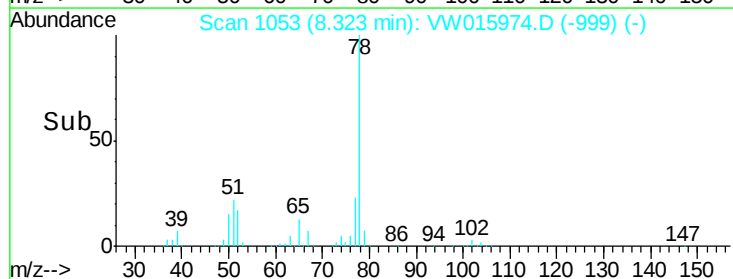
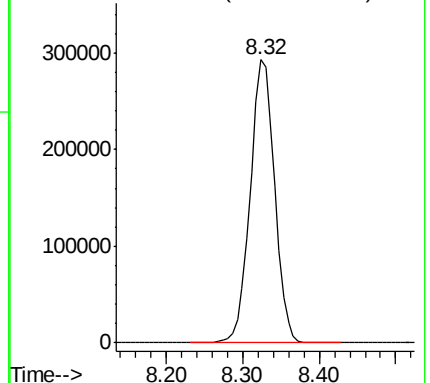
Lab File: VW015974.D

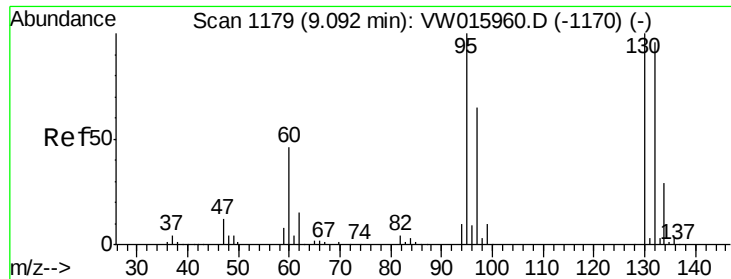
Acq: 28 Jul 2020 09:56

Tgt Ion: 78 Resp: 652859



Abundance Ion 78.00 (77.70 to 78.70): VW

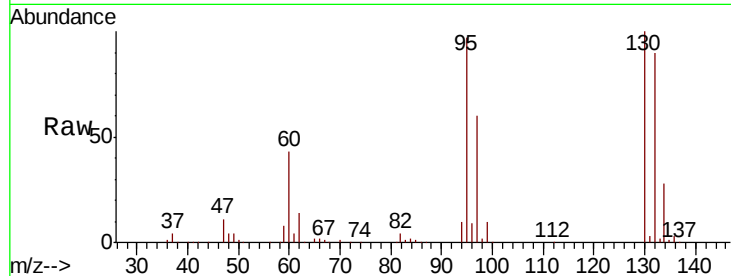




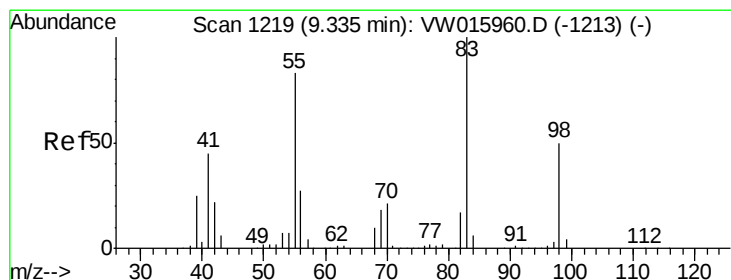
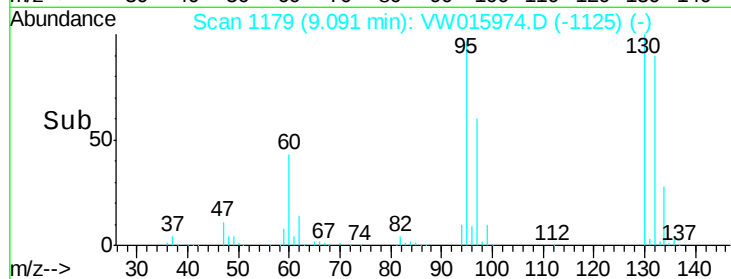
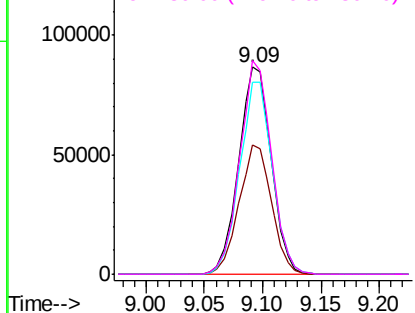
#35
 Trichloroethene
 Concen: 26.492 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 168923
 Ion Ratio Lower Upper
 95 100
 97 62.6 44.4 82.4
 132 93.7 65.1 120.9
 130 100.7 68.6 127.4

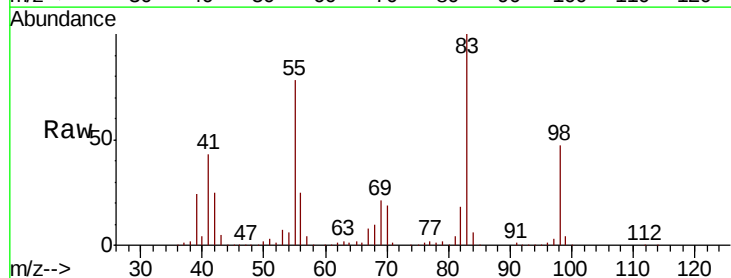


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

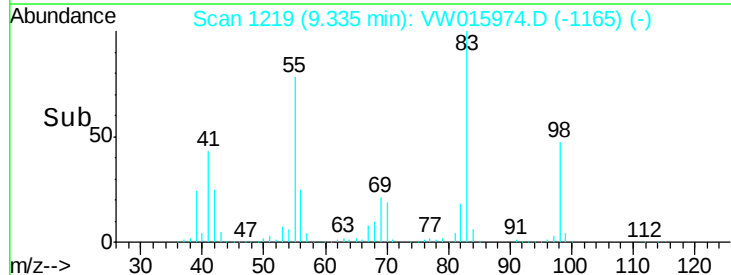
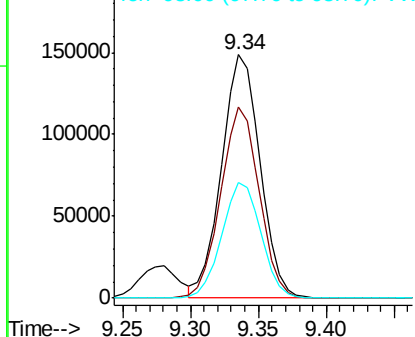


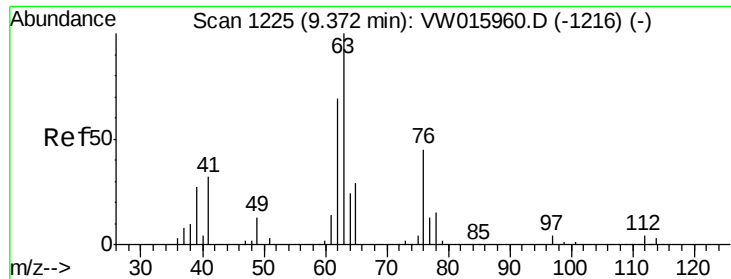
#36
 Methylcyclohexane
 Concen: 26.718 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Tgt Ion: 83 Resp: 292323
 Ion Ratio Lower Upper
 83 100
 55 78.6 63.5 95.3
 98 48.4 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

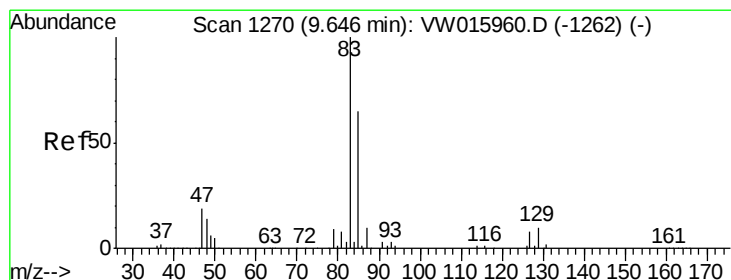
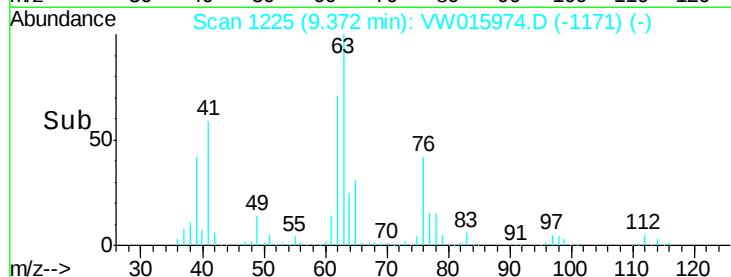
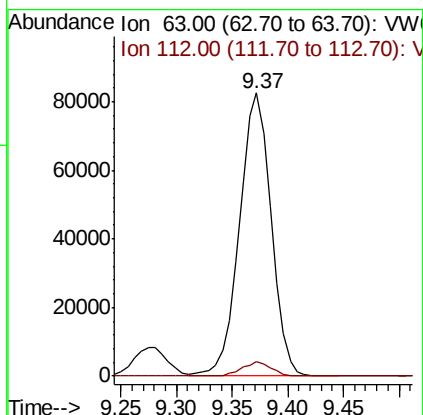
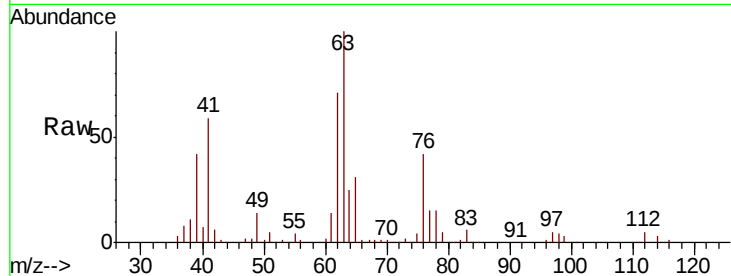




#40
1,2-Dichloropropane
Concen: 27.281 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

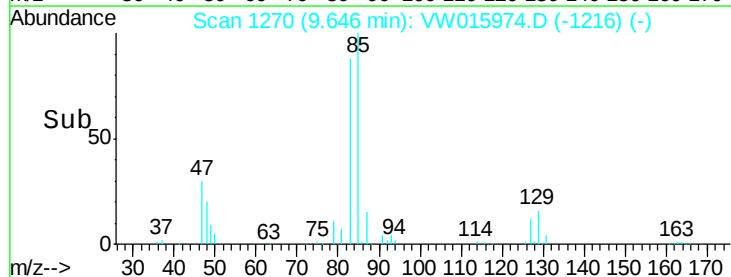
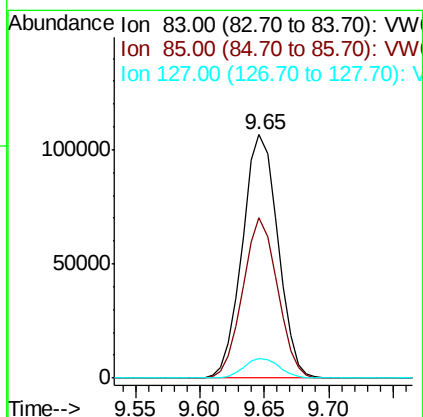
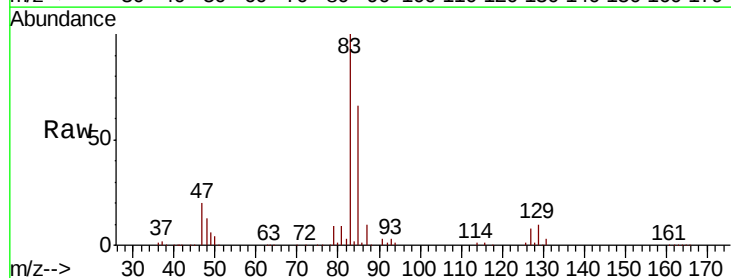
Instrument :
MSVOA_W
ClientSampleId :

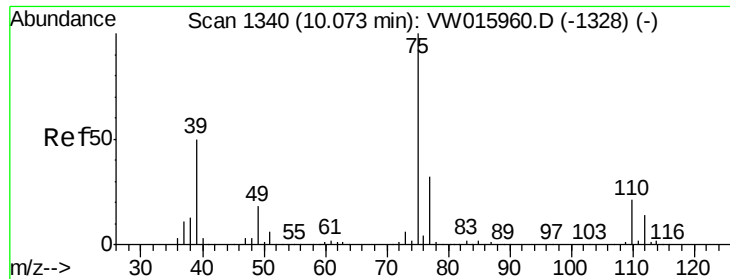
Tot Ion: 63 Resp: 162904
Ion Ratio Lower Upper
63 100
112 4.8 3.7 5.5



#41
Bromodichloromethane
Concen: 26.411 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion: 83 Resp: 203671
Ion Ratio Lower Upper
83 100
85 65.9 43.7 81.1
127 8.0 6.5 9.7

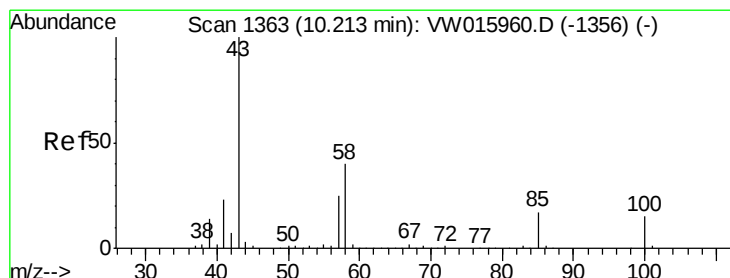
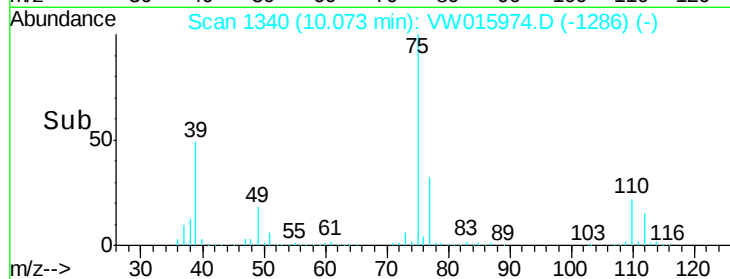
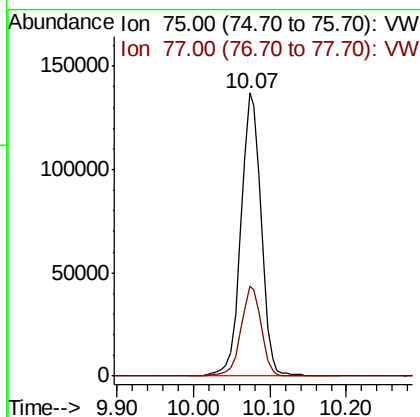
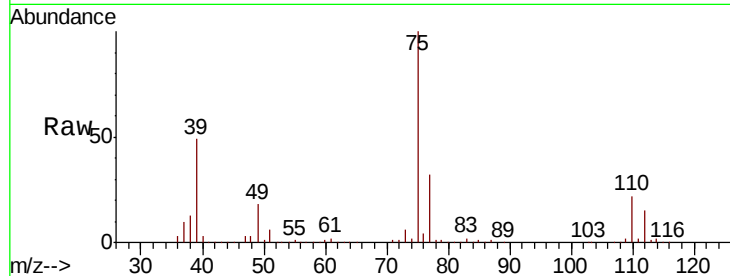




#42
 cis-1,3-Dichloropropene
 Concen: 27.510 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

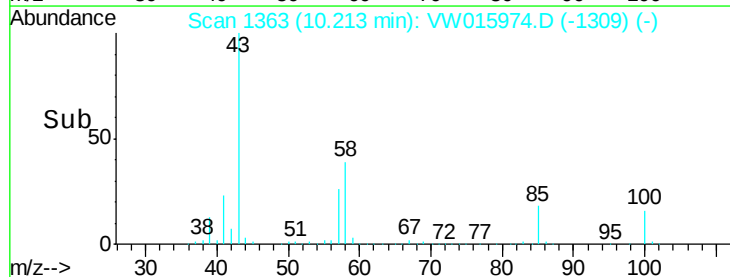
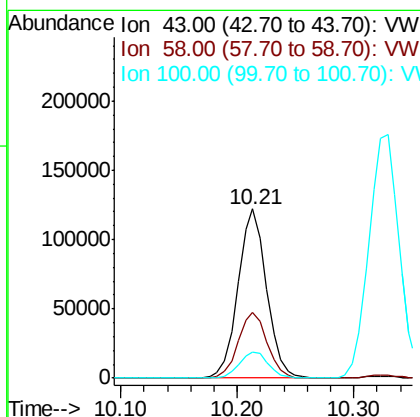
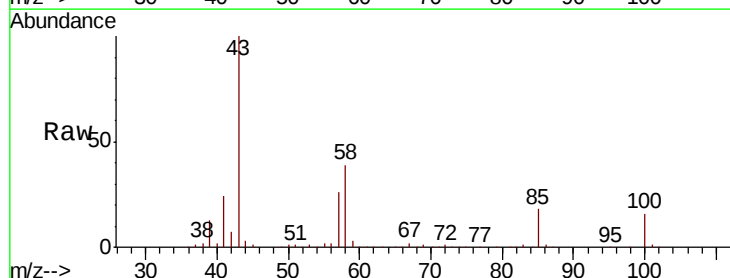
Instrument :
 MSVOA_W
 ClientSampleId :

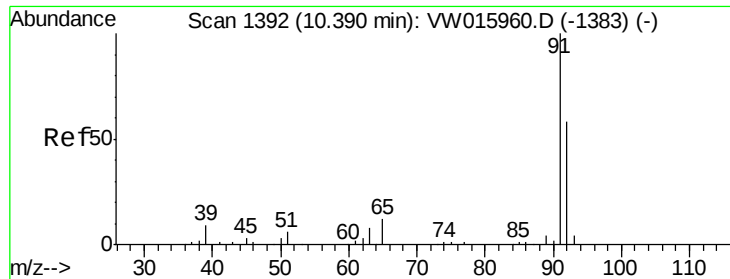
Tot Ion: 75 Resp: 250189
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 59.776 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Tgt Ion: 43 Resp: 208343
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.0 46.4
 100 15.9 12.6 19.0





#44

Toluene

Concen: 27.281 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

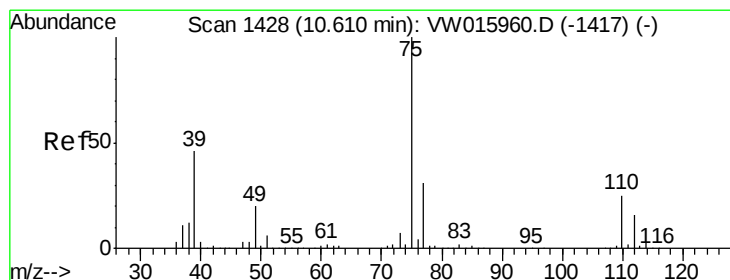
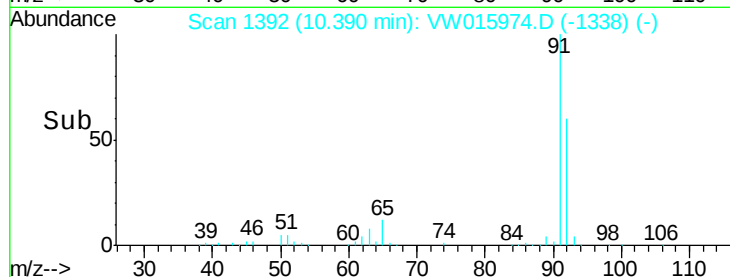
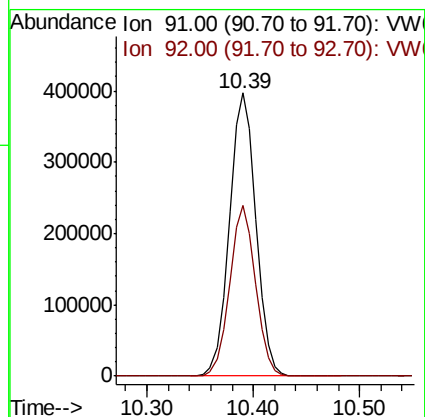
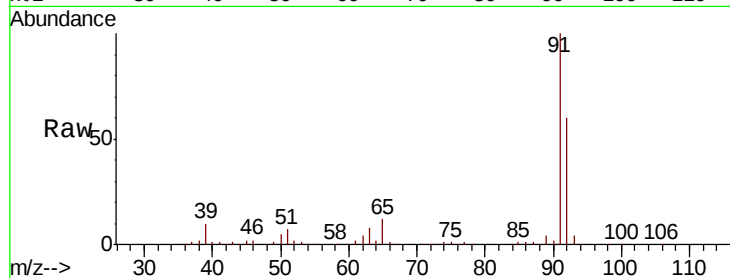
ClientSampled :

Tot Ion: 91 Resp: 689679

Ion Ratio Lower Upper

91 100

92 60.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 27.684 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015974.D

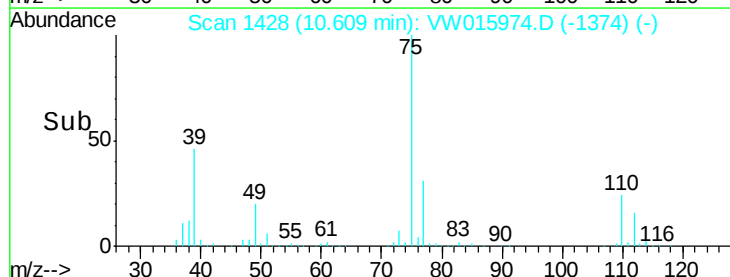
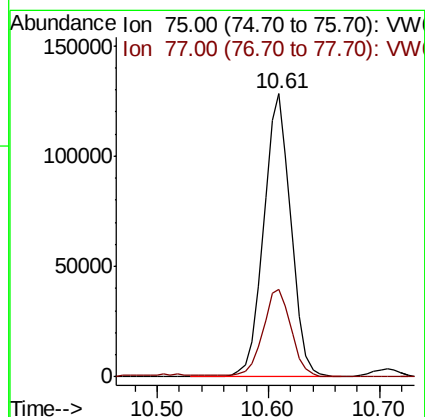
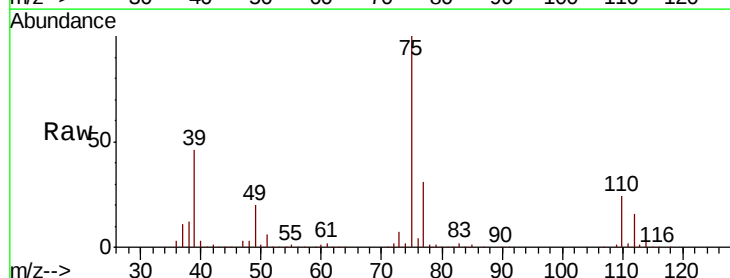
Acq: 28 Jul 2020 09:56

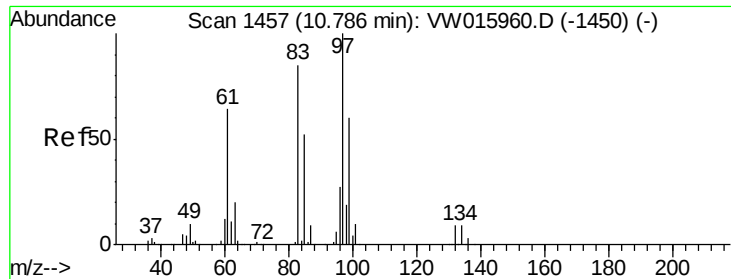
Tgt Ion: 75 Resp: 218228

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.9

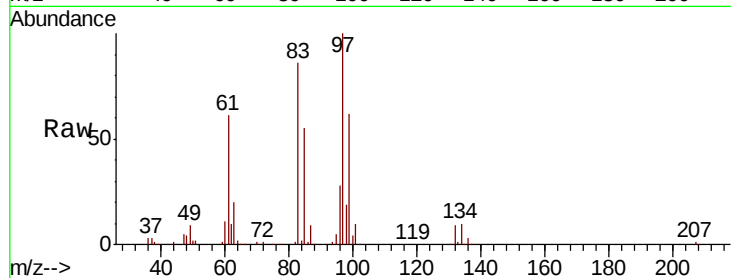




#46
1,1,2-Trichloroethane
Concen: 28.233 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	97	Resp:	121230
Ion	Ratio	Lower	Upper
97	100		
83	85.8	60.6	112.6
85	55.4	38.9	72.2
99	62.2	43.1	80.1



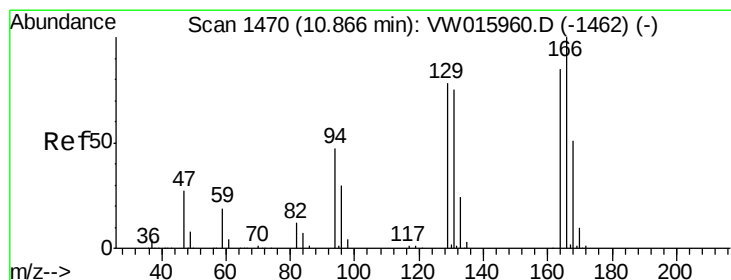
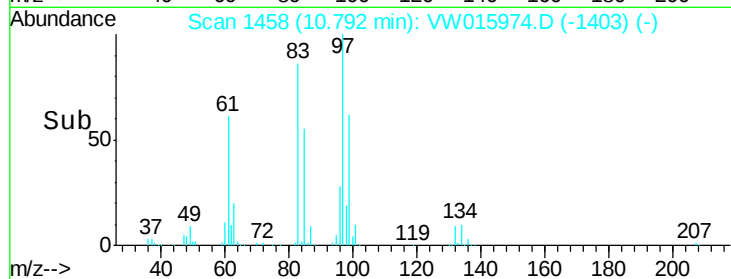
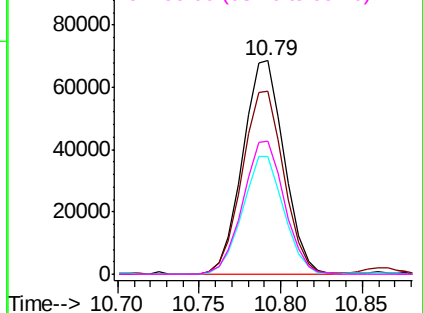
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

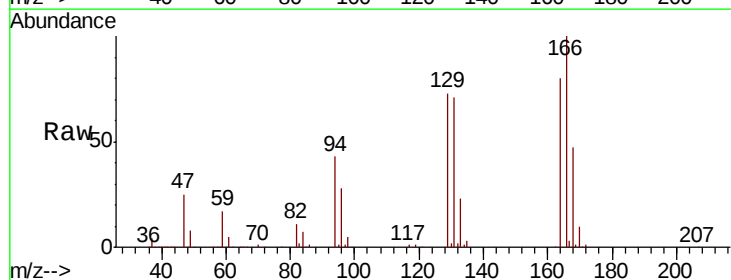
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 26.518 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion:	164	Resp:	131248
Ion	Ratio	Lower	Upper
164	100		
129	91.6	70.0	130.0
131	88.4	67.3	124.9
166	125.4	88.5	164.3



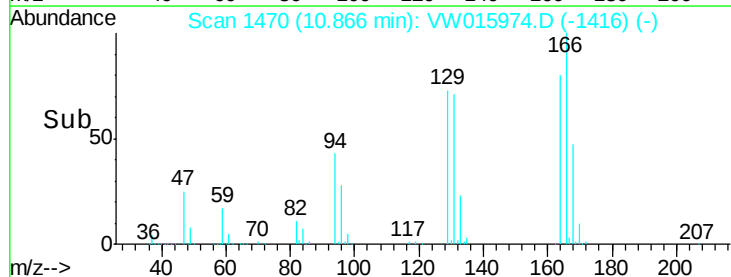
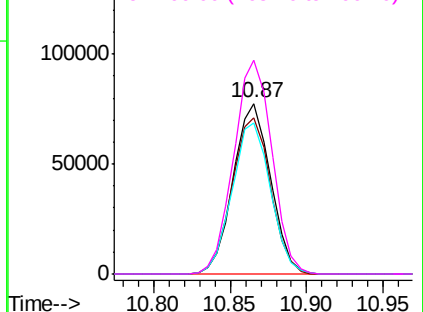
Abundance

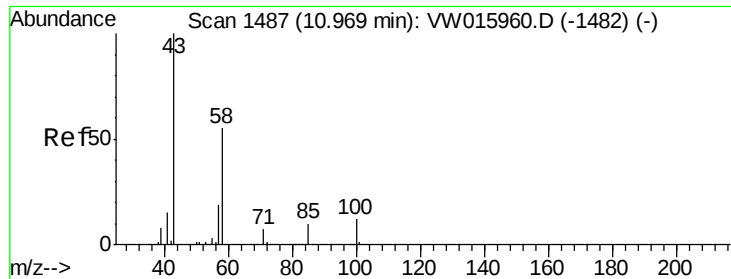
Ion 164.00 (163.70 to 164.70): V

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: 62.641 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 154934

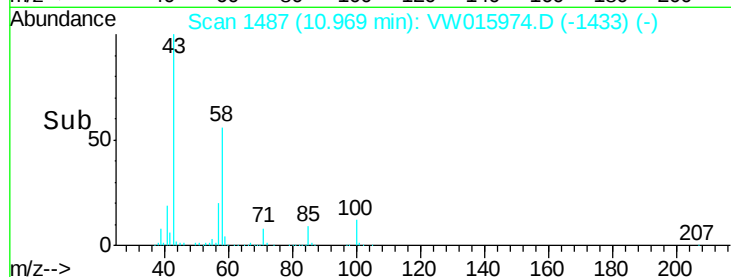
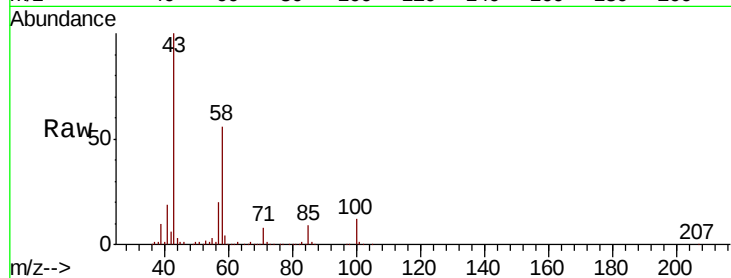
Ion Ratio Lower Upper

43 100

58 56.1 42.4 63.6

57 19.5 15.6 23.4

100 12.8 9.8 14.6

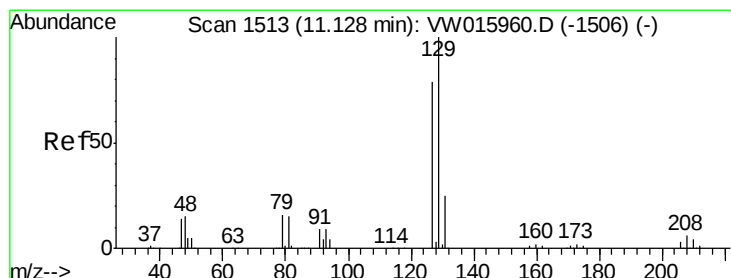
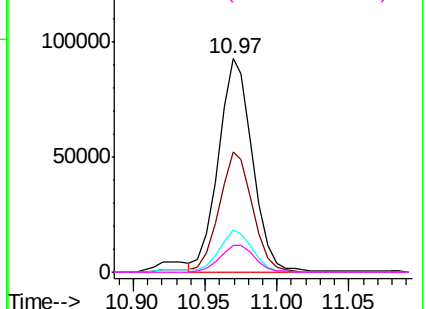


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.746 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015974.D

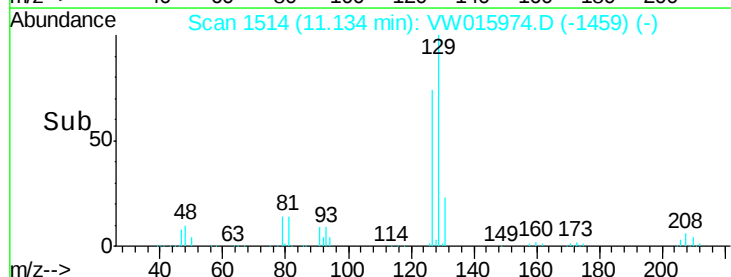
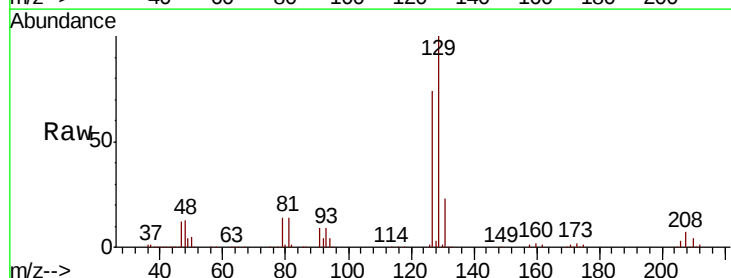
Acq: 28 Jul 2020 09:56

Tgt Ion: 129 Resp: 137933

Ion Ratio Lower Upper

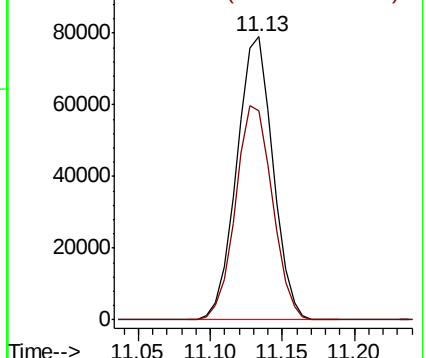
129 100

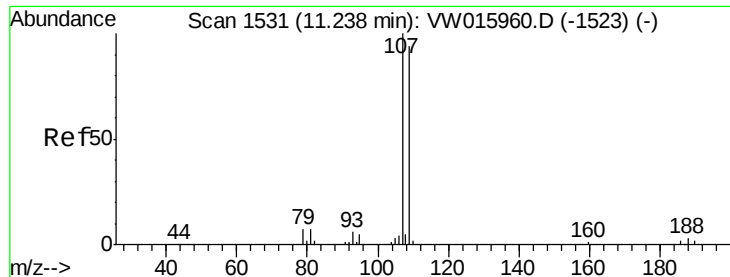
127 74.0 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

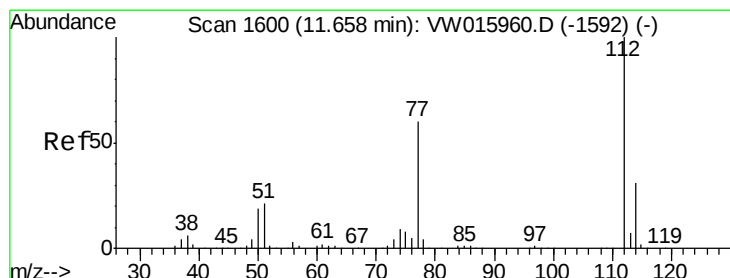
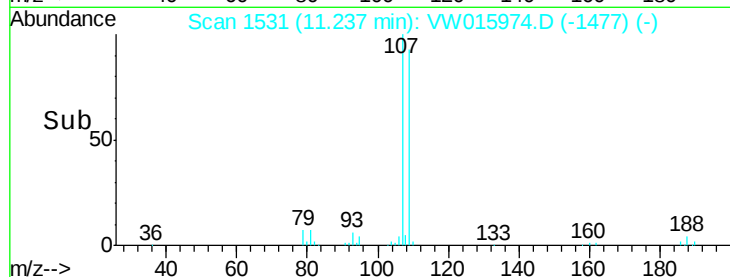
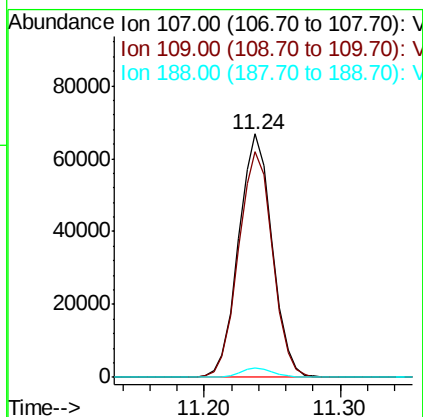
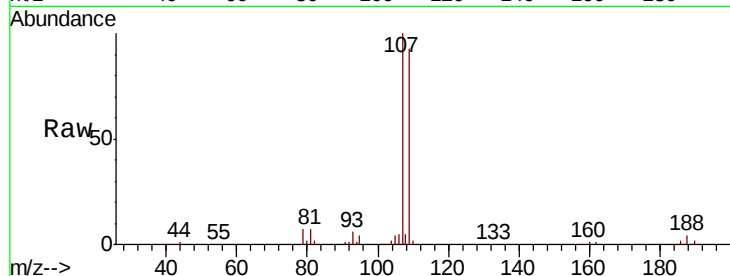




#51
1,2-Dibromoethane
Concen: 27.980 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

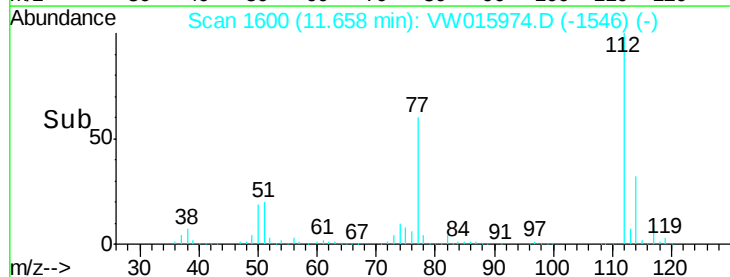
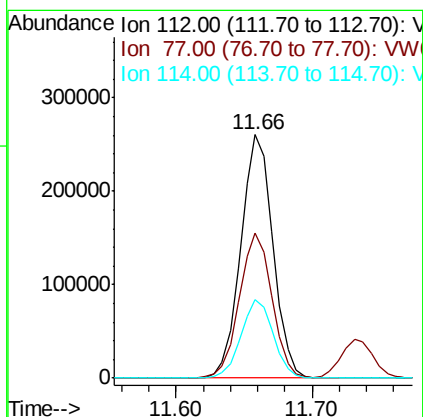
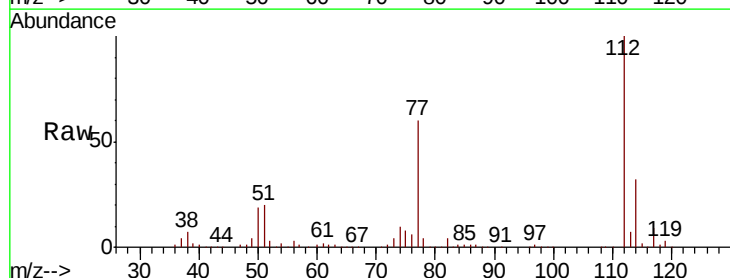
Instrument :
MSVOA_W
ClientSampleId :

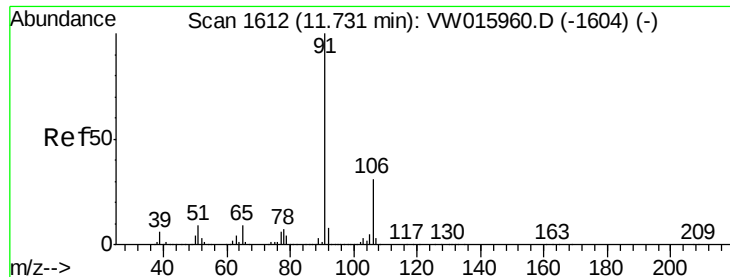
Tot Ion:107 Resp: 114934
Ion Ratio Lower Upper
107 100
109 92.7 66.9 124.3
188 3.7 3.2 4.8



#52
Chlorobenzene
Concen: 26.524 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion:112 Resp: 429665
Ion Ratio Lower Upper
112 100
77 59.8 47.8 71.6
114 32.4 22.1 41.1





#53

Ethylbenzene

Concen: 27.071 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

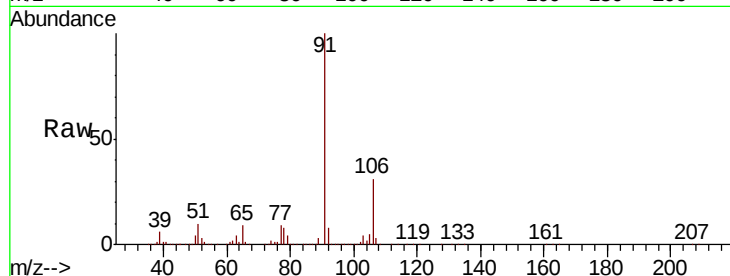
ClientSampled :

Tot Ion: 91 Resp: 769573

Ion Ratio Lower Upper

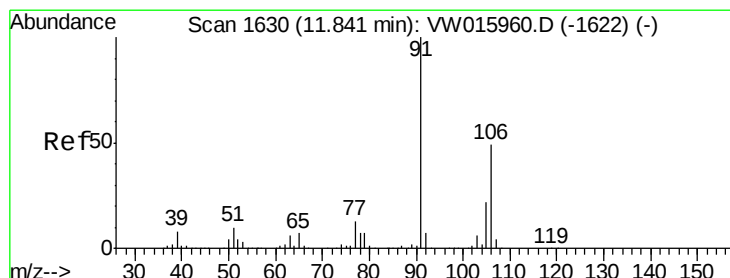
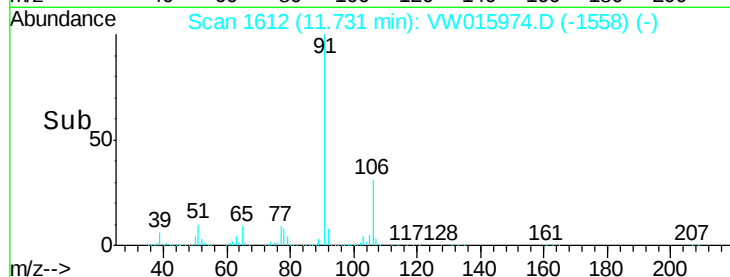
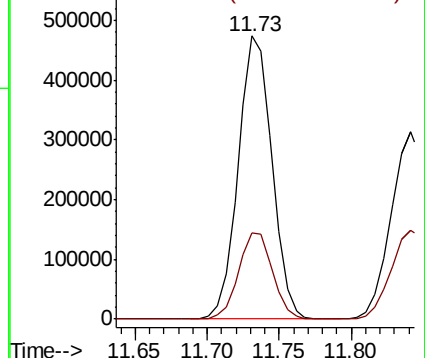
91 100

106 30.7 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.023 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015974.D

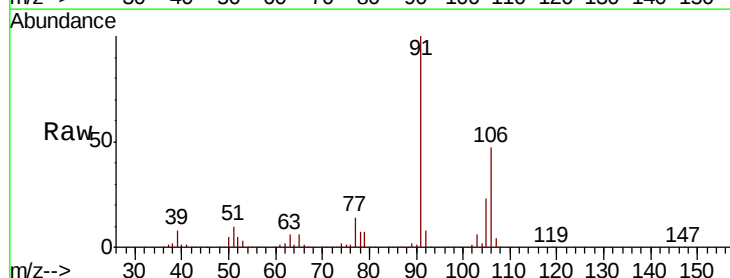
Acq: 28 Jul 2020 09:56

Tgt Ion: 106 Resp: 287411

Ion Ratio Lower Upper

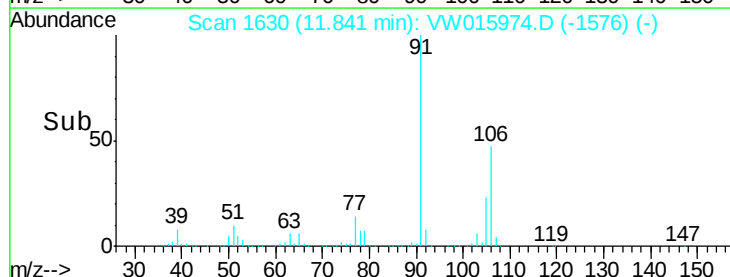
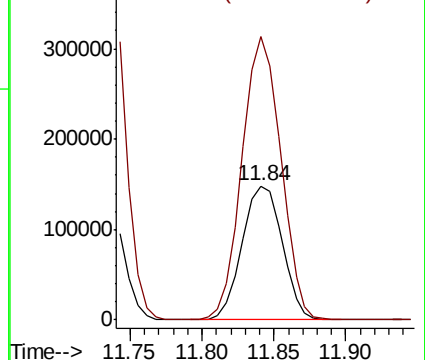
106 100

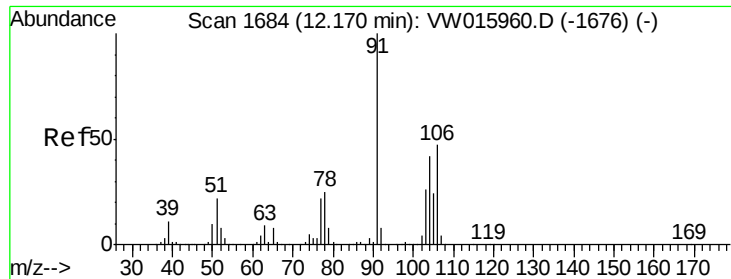
91 210.9 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

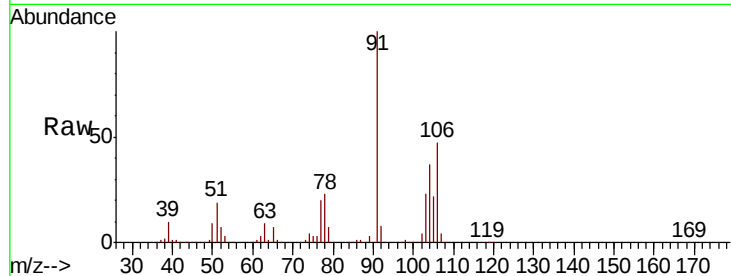




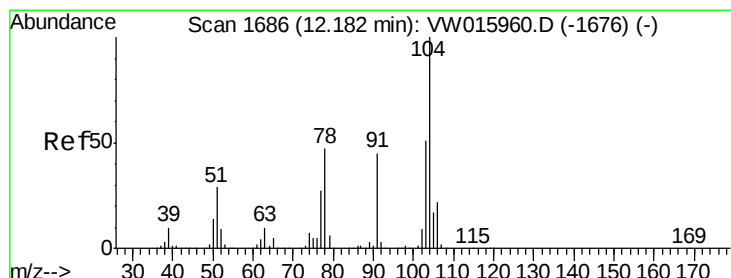
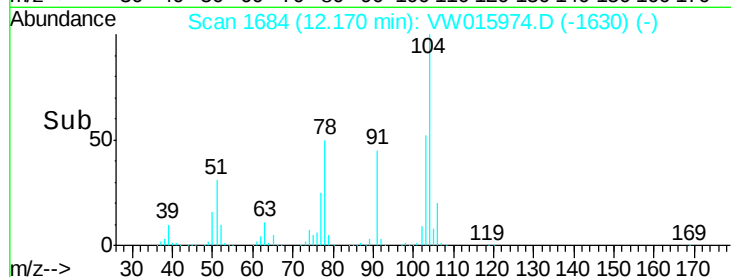
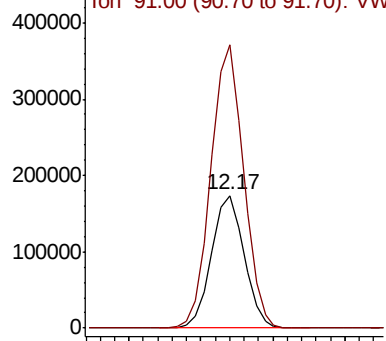
#55
o-xylene
Concen: 27.364 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 274041
Ion Ratio Lower Upper
106 100
91 213.4 146.8 272.6

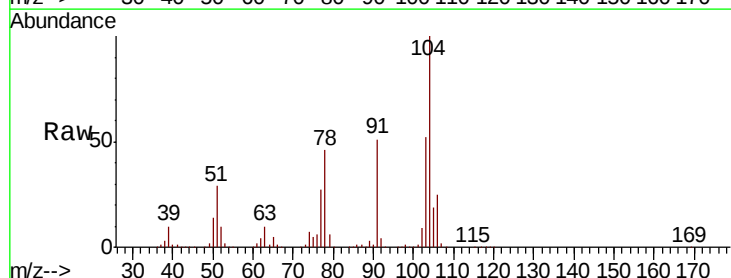


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

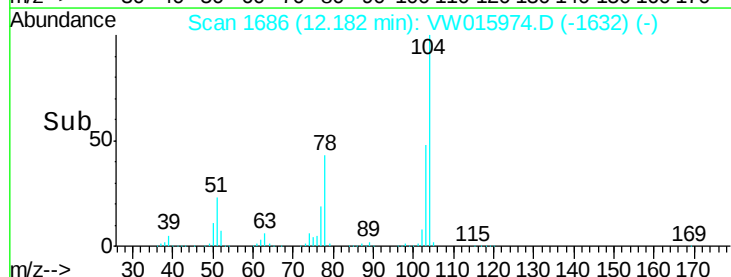
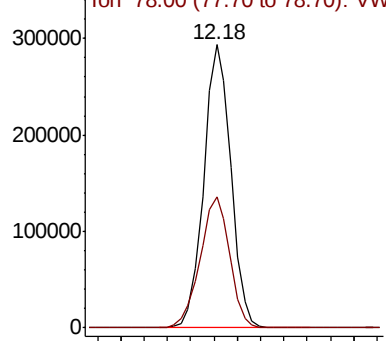


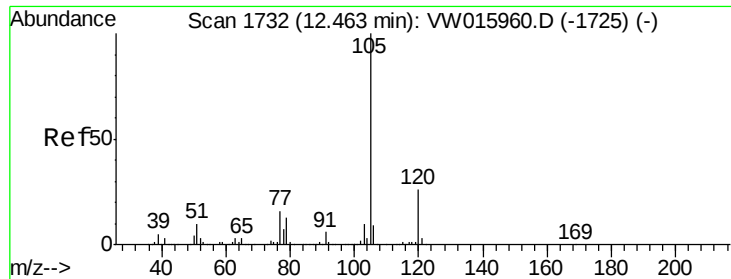
#56
Styrene
Concen: 27.854 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015974.D
Acq: 28 Jul 2020 09:56

Tgt Ion:104 Resp: 474381
Ion Ratio Lower Upper
104 100
78 46.4 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: 27.191 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

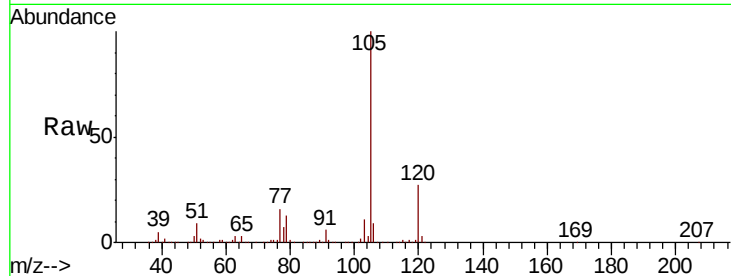
Tot Ion: 105 Resp: 741287

Ion Ratio Lower Upper

105 100

120 26.5 20.4 30.6

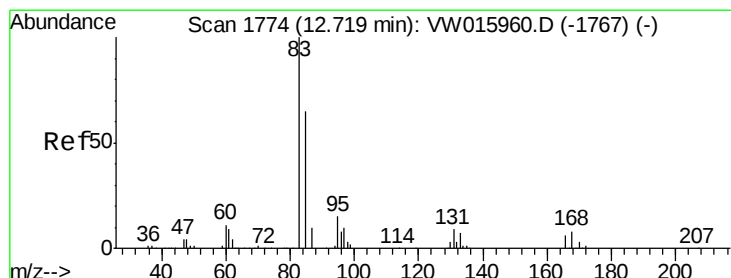
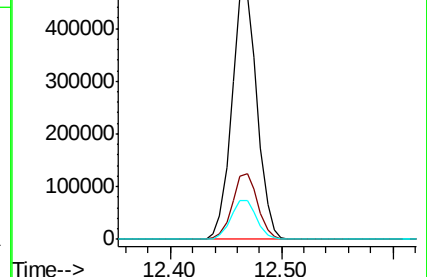
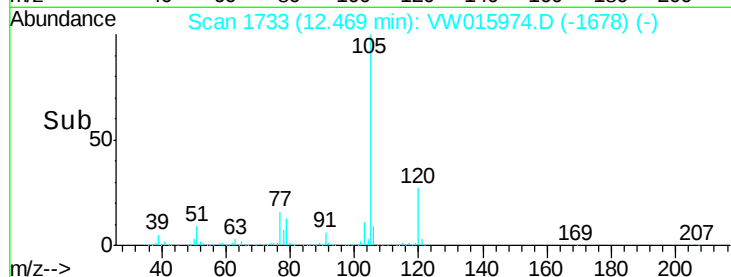
77 15.9 12.9 19.3



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: 29.199 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

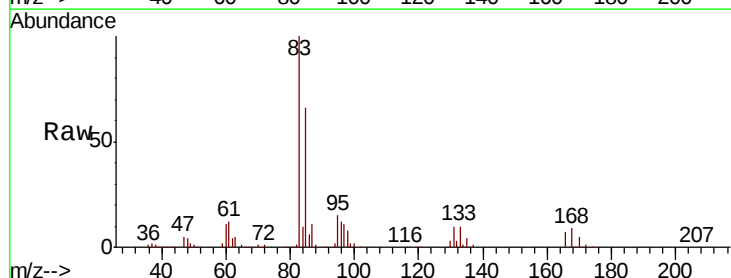
Tgt Ion: 83 Resp: 147228

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7

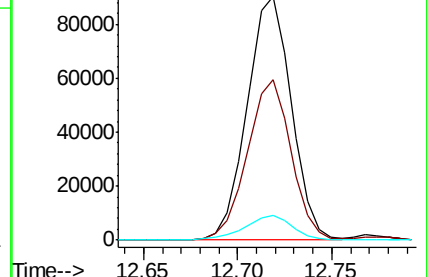
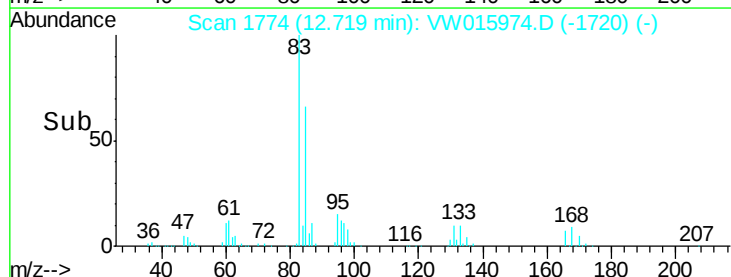
131 9.9 8.2 12.4

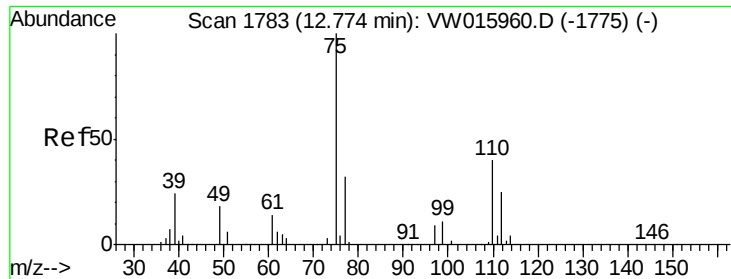


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

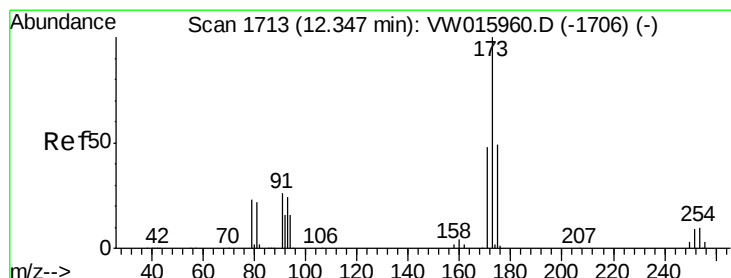
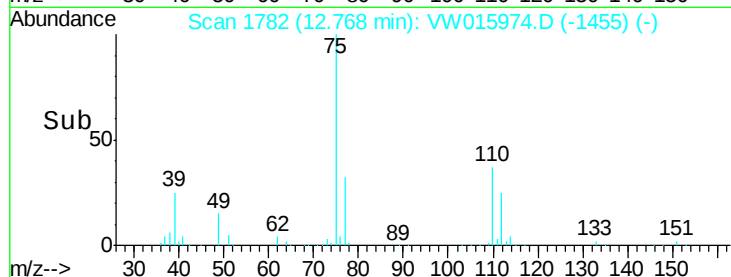
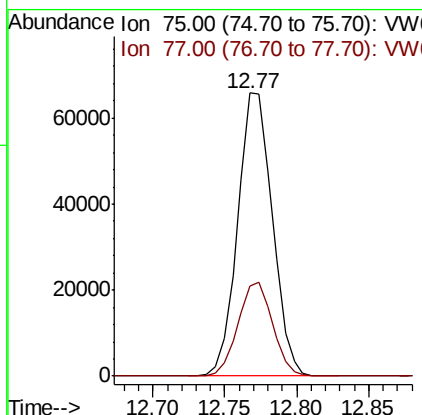
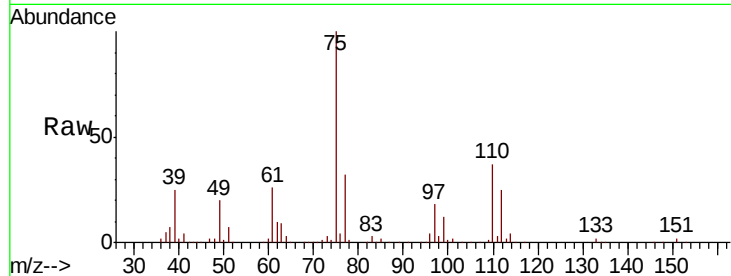




#59
 1,2,3-Trichloropropane
 Concen: 29.164 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

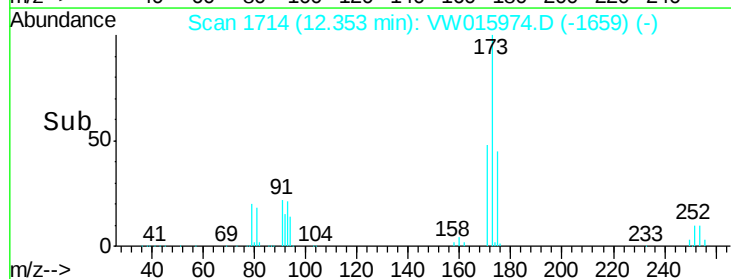
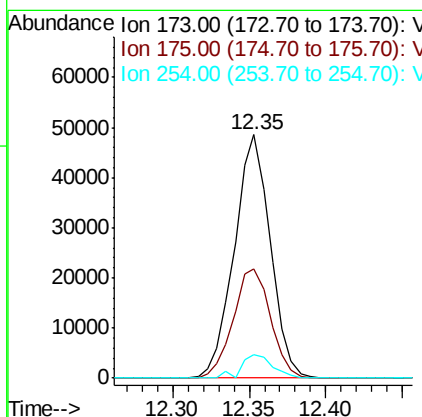
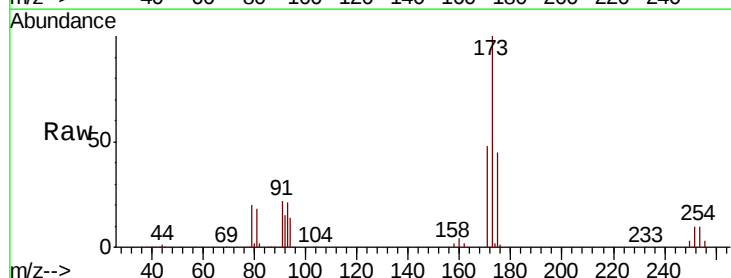
Instrument :
 MSVOA_W
 ClientSampleId :

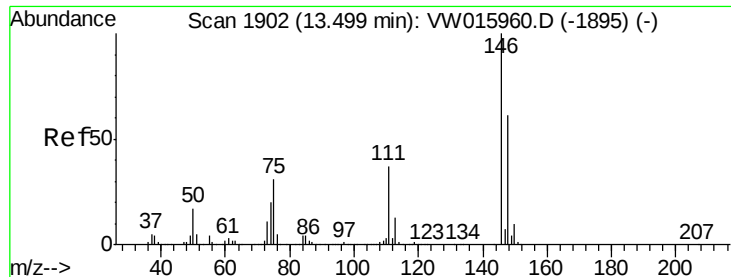
Tot Ion: 75 Resp: 110177
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.0 39.0



#62
 Bromoform
 Concen: 28.145 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Tgt Ion: 173 Resp: 79238
 Ion Ratio Lower Upper
 173 100
 175 46.8 38.7 58.1
 254 7.6 7.9 11.9#

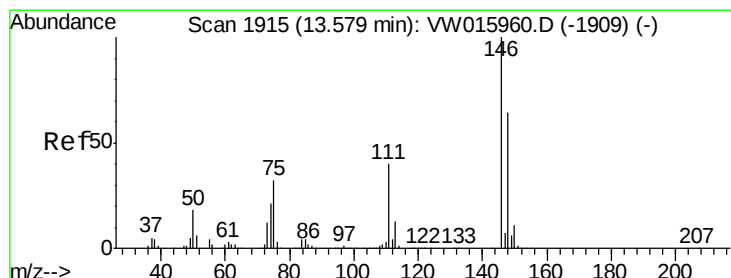
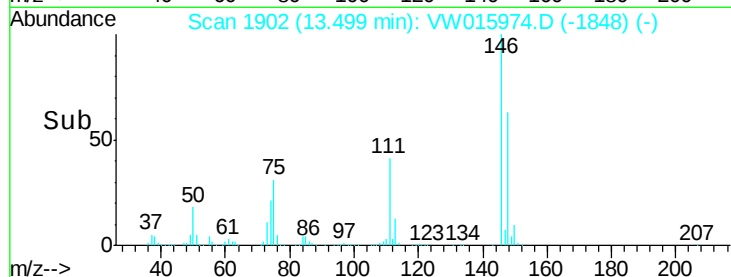
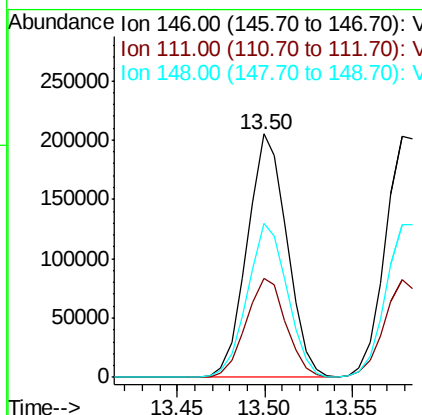
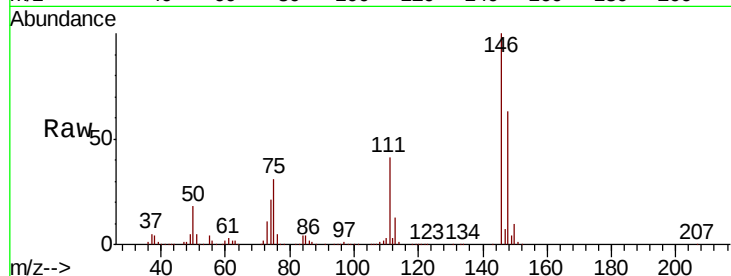




#63
 1,3-Dichlorobenzene
 Concen: 26.464 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

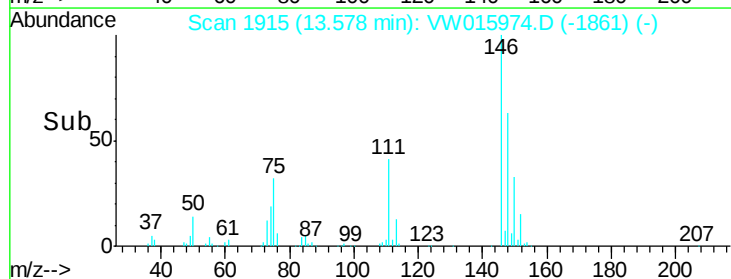
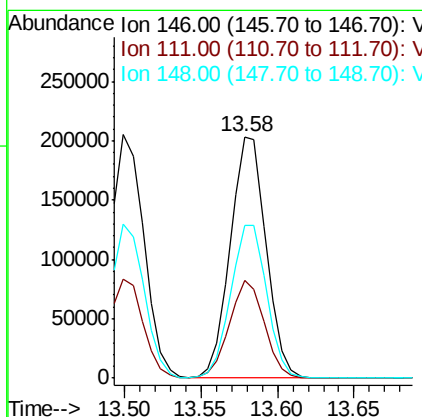
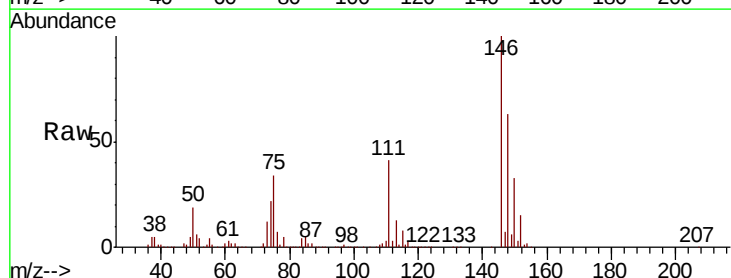
Instrument :
 MSVOA_W
 ClientSampleId :

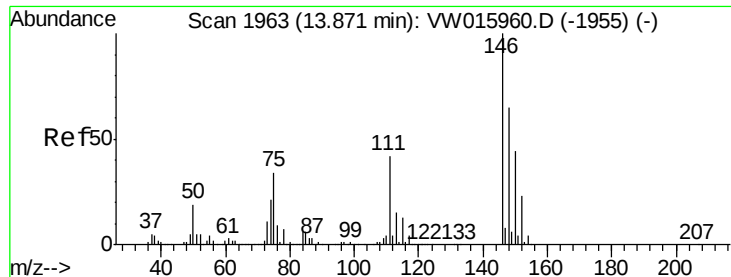
Tot Ion:146 Resp: 324148
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.9 51.7
 148 63.1 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 26.526 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Tgt Ion:146 Resp: 329747
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.3 54.3
 148 63.2 44.5 82.7

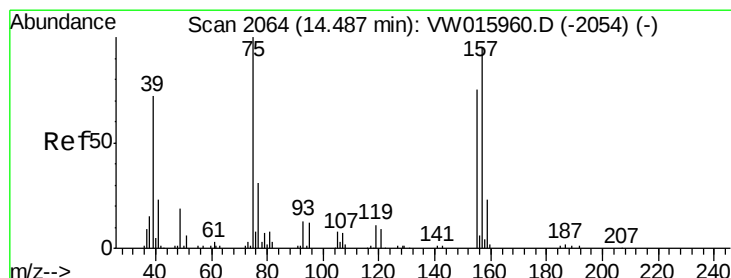
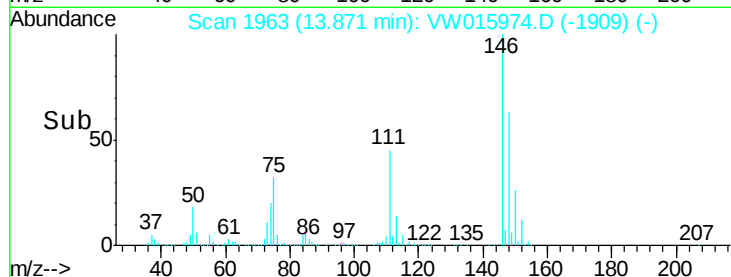
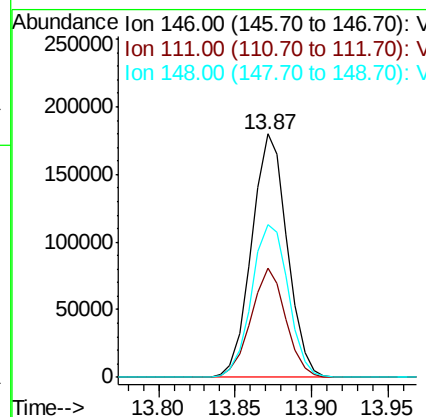
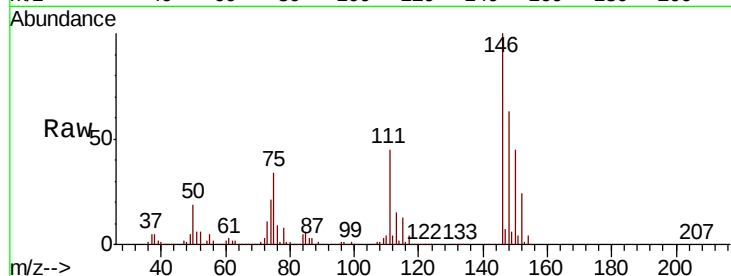




#65
 1,2-Dichlorobenzene
 Concen: 26.110 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

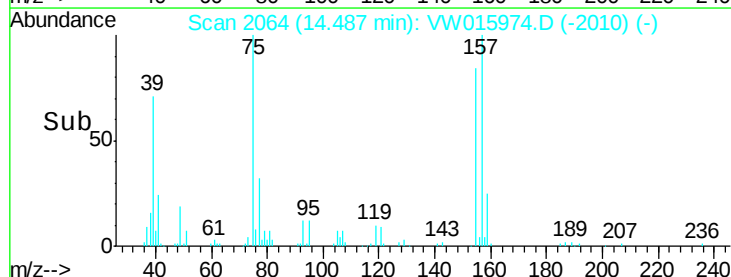
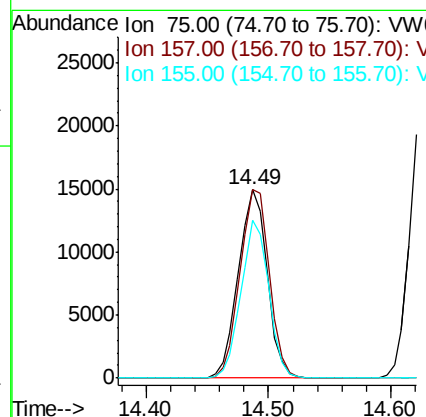
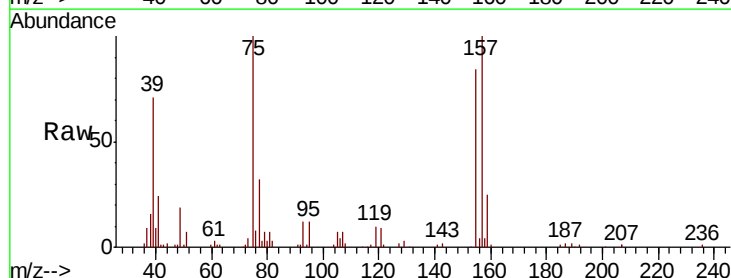
Instrument :
 MSVOA_W
 ClientSampleId :

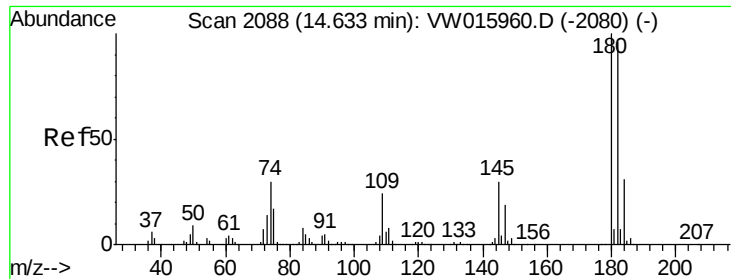
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	32.9	49.3
148	62.9	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.986 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
157	100.2	83.0	124.4
155	84.0	66.9	100.3

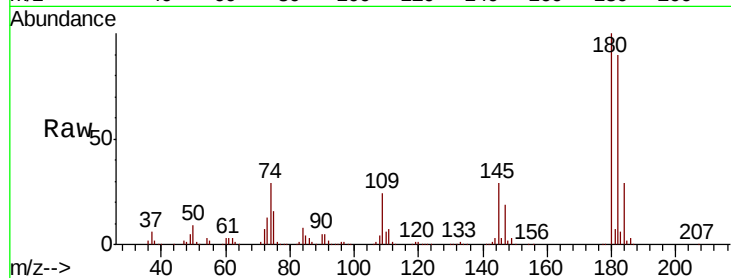




#67
 1,3,5-Trichlorobenzene
 Concen: 27.198 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.4	113.0
184	30.0	24.6	37.0
145	29.7	24.1	36.1

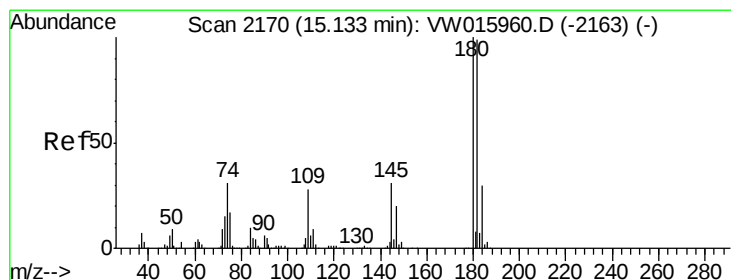
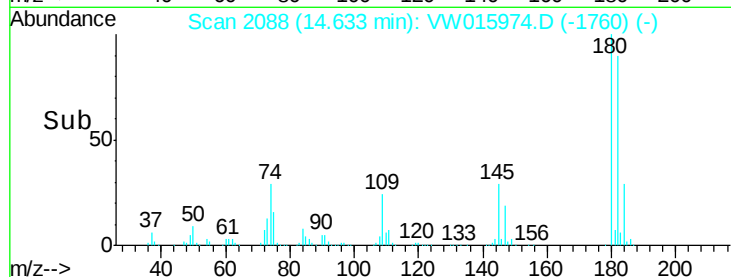
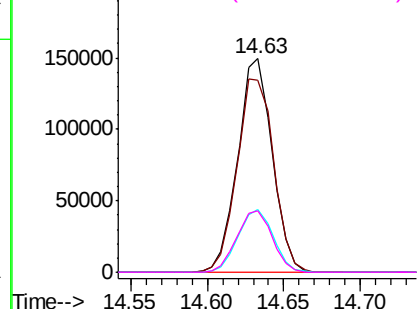


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

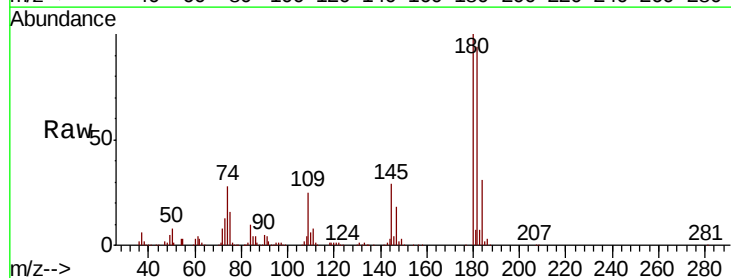
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.663 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015974.D
 Acq: 28 Jul 2020 09:56

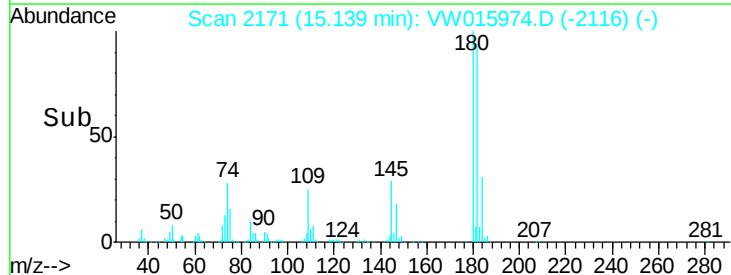
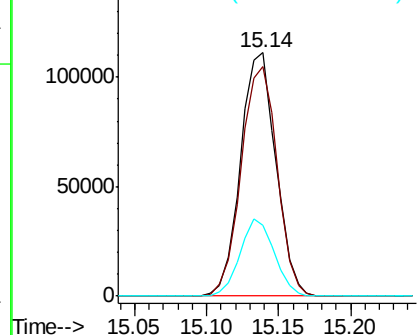
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
145	30.9	24.3	36.5

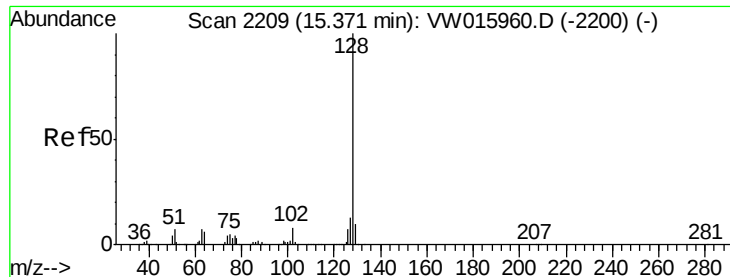


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.068 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

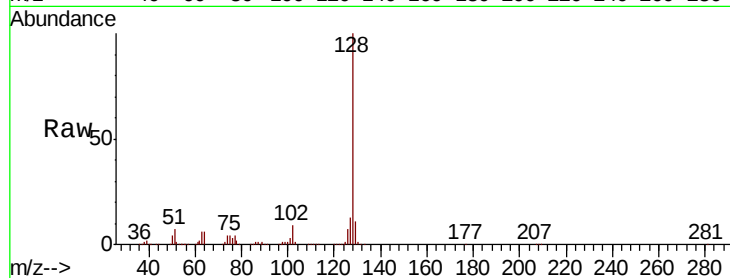
Tot Ion:128 Resp: 387512

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

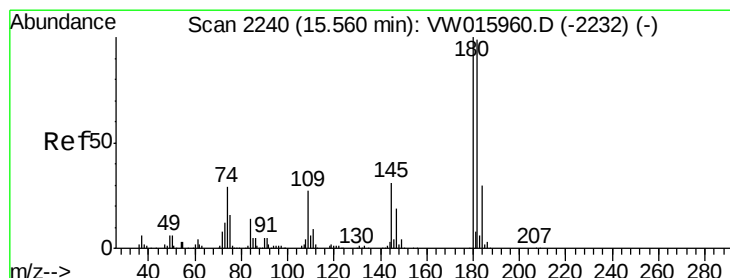
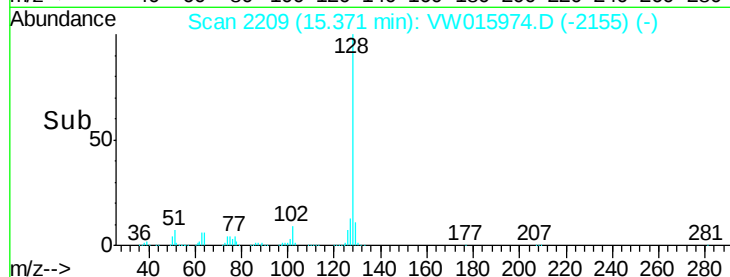
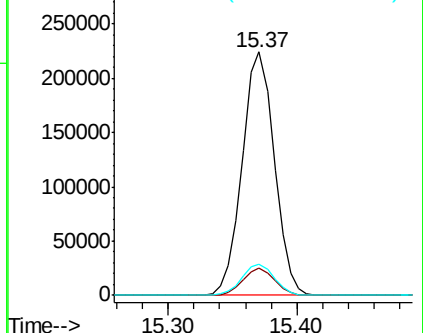
127 12.9 10.5 15.7



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: 27.883 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015974.D

Acq: 28 Jul 2020 09:56

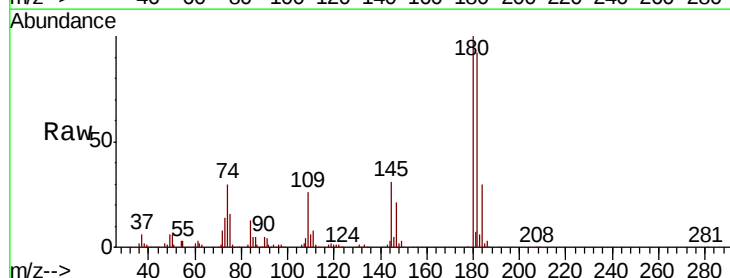
Tgt Ion:180 Resp: 169956

Ion Ratio Lower Upper

180 100

182 95.8 74.0 111.0

145 32.9 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

