

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072820\
 Data File : VW015986.D
 Acq On : 28 Jul 2020 16:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 29 04:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 29 04:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	432393	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	399915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190546	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	112161	18.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.52%
7) Chloroethane-d5	2.90	69	107742	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.96%
10) 1,1-Dichloroethene-d2	4.02	63	269687	21.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.44%
20) 2-Butanone-d5	7.09	46	96734	60.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.72%
24) Chloroform-d	7.65	84	287938	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.31	65	155519	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.32%
29) Benzene-d6	8.28	84	560762	23.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.16%
33) 1,2-Dichloropropane-d6	9.27	67	174365	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.56%
37) Toluene-d8	10.33	98	501518	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.96%
38) trans-1,3-Dichloropropene-	10.58	79	71124	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.48%
39) 2-Hexanone-d5	10.93	63	75146	61.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	154385	27.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	172554	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	92844	25.375	ug/L	98
3) Chloromethane	2.22	50	116395	26.303	ug/L	98
5) Vinyl chloride	2.37	62	173303	25.392	ug/L	100
6) Bromomethane	2.79	94	102497	25.173	ug/L	99
8) Chloroethane	2.93	64	106250	26.574	ug/L	100
9) Trichlorofluoromethane	3.26	101	135197	29.470	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	155968	27.812	ug/L	98
12) 1,1-Dichloroethene	4.04	96	151253	27.212	ug/L	94
13) Acetone	4.13	43	84252	62.597	ug/L	96
14) Carbon disulfide	4.38	76	446144	25.415	ug/L	100
15) Methyl Acetate	4.68	43	77656	30.600	ug/L	98
16) Methylene chloride	4.92	84	179187	25.290	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	234886	29.884	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	159920	27.246	ug/L	97
19) 1,1-Dichloroethane	6.22	63	294391	27.217	ug/L	98
21) 2-Butanone	7.18	43	110734	66.532	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	171242	27.885	ug/L	94

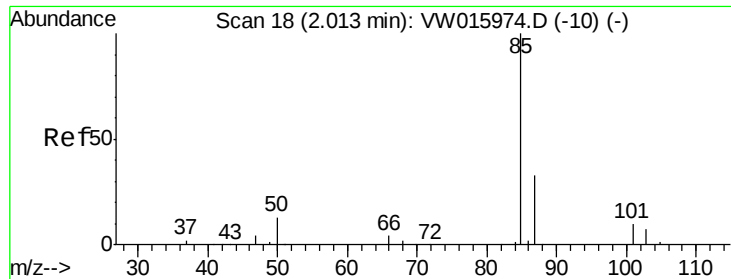
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072820\
 Data File : VW015986.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 29 04:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	77511	28.784	ug/L	99
25) Chloroform	7.68	83	295379	27.554	ug/L	99
27) 1,2-Dichloroethane	8.40	62	192183	26.347	ug/L	97
30) Cyclohexane	7.96	56	271225	26.897	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	246076	26.352	ug/L	99
32) Carbon tetrachloride	8.07	117	223703	26.418	ug/L	98
34) Benzene	8.33	78	659287	27.143	ug/L	100
35) Trichloroethene	9.10	95	169479	26.377	ug/L	99
36) Methylcyclohexane	9.34	83	303208	27.502	ug/L	98
40) 1,2-Dichloropropane	9.37	63	166462	27.664	ug/L	100
41) Bromodichloromethane	9.65	83	204961	26.376	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	252639	27.568	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	218623	62.247	ug/L	98
44) Toluene	10.39	91	704520	27.655	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	221536	27.889	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	124336	28.735	ug/L	97
47) Tetrachloroethene	10.87	164	132354	26.538	ug/L	96
49) 2-Hexanone	10.97	43	159809	64.119	ug/L	98
50) Dibromochloromethane	11.13	129	140097	27.966	ug/L	98
51) 1,2-Dibromoethane	11.24	107	117571	28.403	ug/L	97
52) Chlorobenzene	11.66	112	446024	27.323	ug/L	100
53) Ethylbenzene	11.73	91	787503	27.491	ug/L	97
54) m,p-Xylene	11.84	106	294835	27.510	ug/L	96
55) o-xylene	12.17	106	275365	27.286	ug/L	95
56) Styrene	12.18	104	487720	28.419	ug/L	100
57) Isopropylbenzene	12.47	105	772583	28.123	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	154011	30.311	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	115702	30.392	ug/L	99
62) Bromoform	12.35	173	80753	28.809	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	336154	27.564	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	331723	26.802	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	309475	27.938	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	24500	29.385	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	232512	27.115	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	194825	28.604	ug/L	99
69) Naphthalene	15.37	128	393600	30.674	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	175153	28.862	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 25.375 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

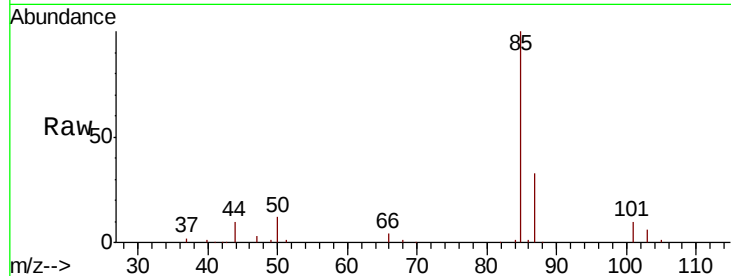
ClientSampleId :

Tot Ion: 85 Resp: 92844

Ion Ratio Lower Upper

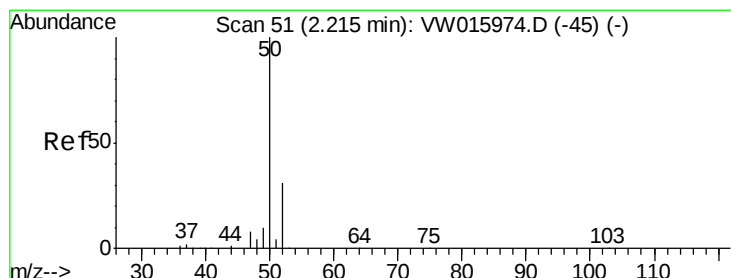
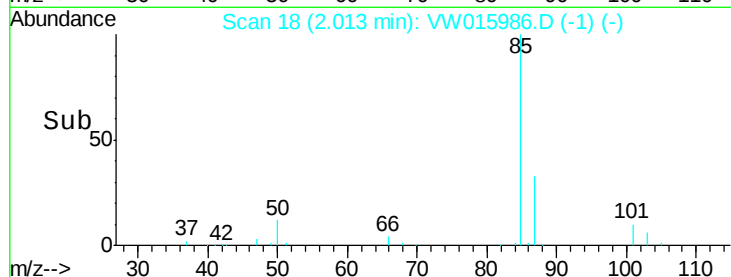
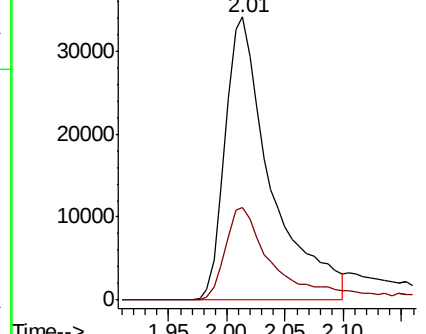
85 100

87 31.3 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: 26.303 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015986.D

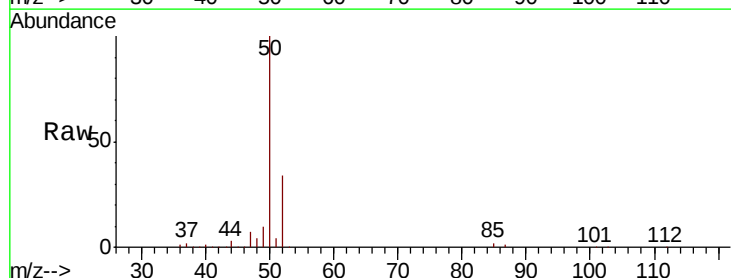
Acq: 28 Jul 2020 16:03

Tgt Ion: 50 Resp: 116395

Ion Ratio Lower Upper

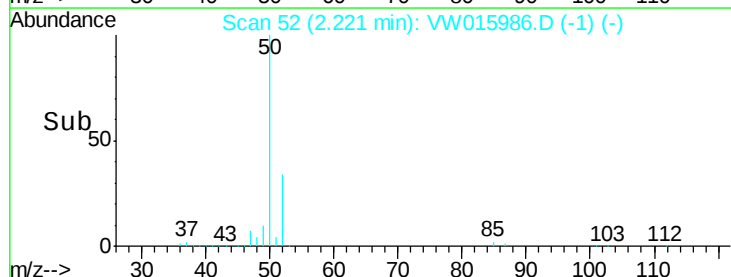
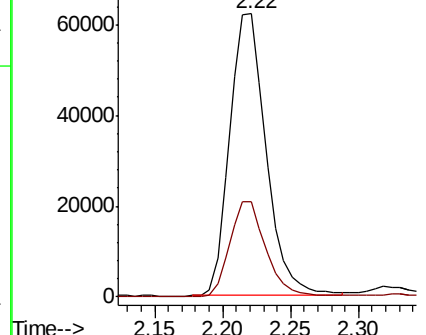
50 100

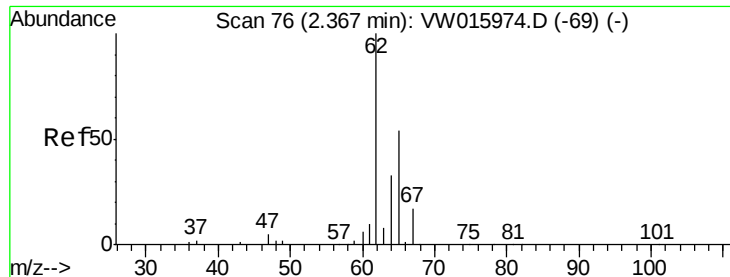
52 33.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.392 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

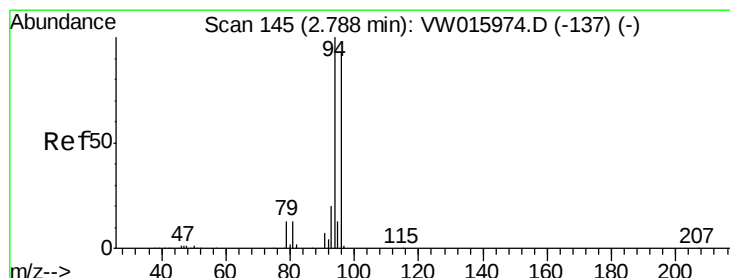
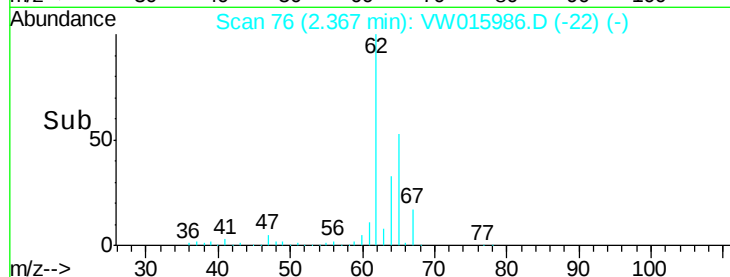
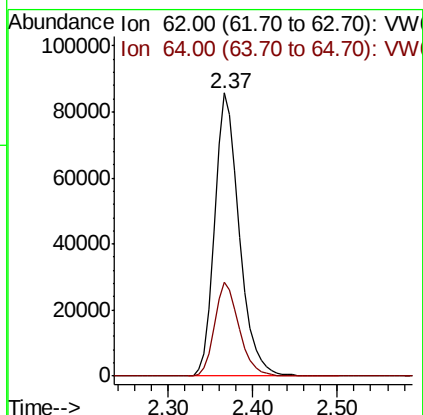
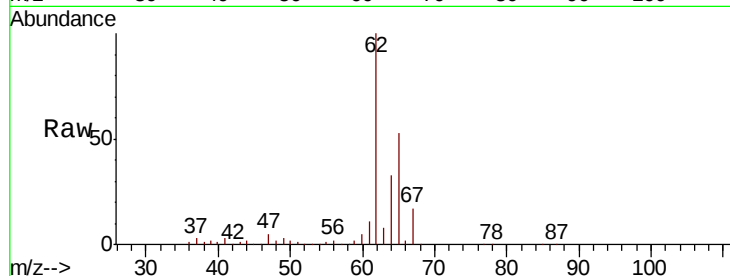
ClientSampleId :

Tot Ion: 62 Resp: 173303

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.0



#6

Bromomethane

Concen: 25.173 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015986.D

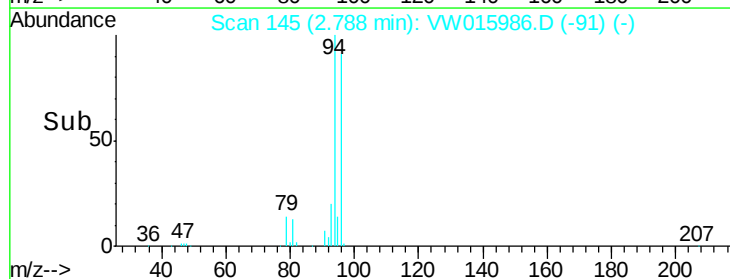
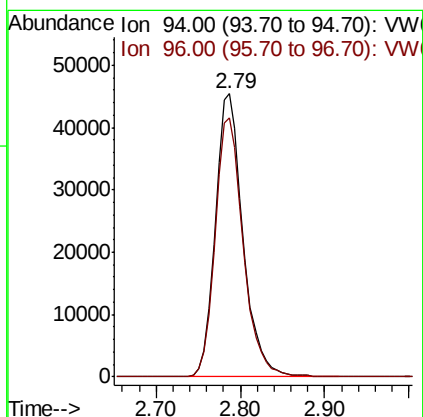
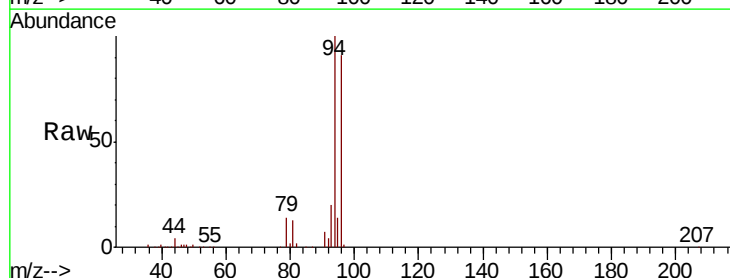
Acq: 28 Jul 2020 16:03

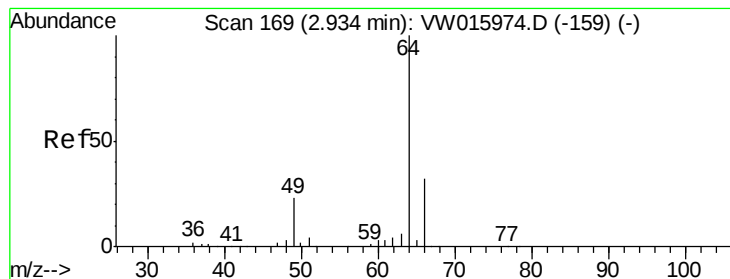
Tgt Ion: 94 Resp: 102497

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.1





#8

Chloroethane

Concen: 26.574 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

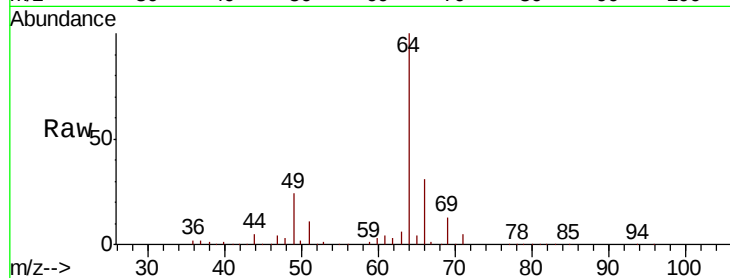
ClientSampleId :

Tot Ion: 64 Resp: 106250

Ion Ratio Lower Upper

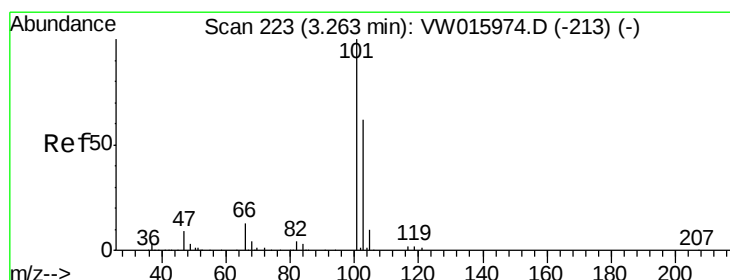
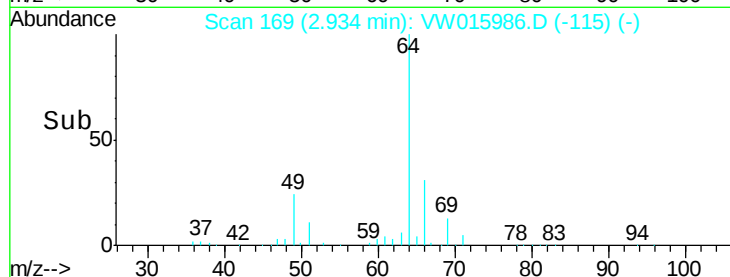
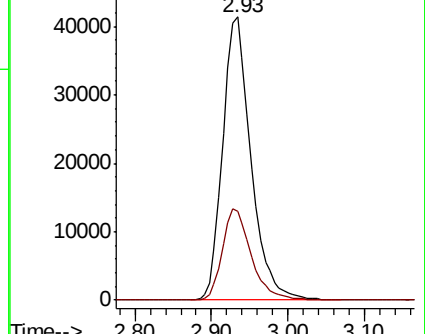
64 100

66 31.3 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: 29.470 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015986.D

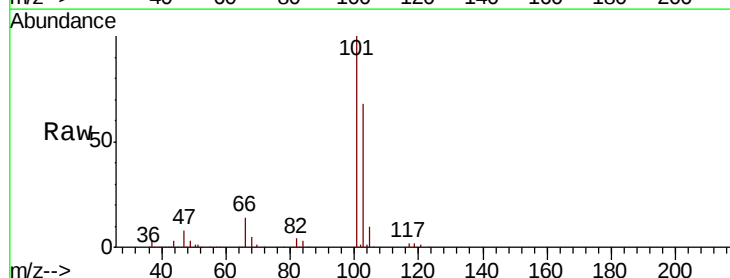
Acq: 28 Jul 2020 16:03

Tgt Ion:101 Resp: 135197

Ion Ratio Lower Upper

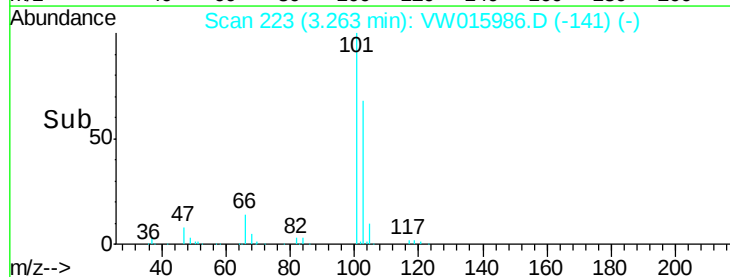
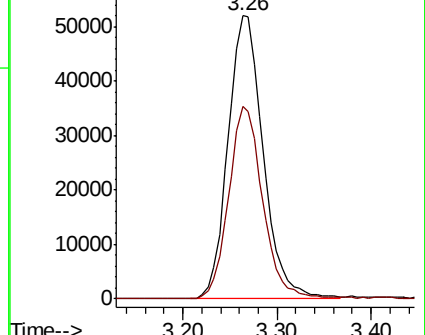
101 100

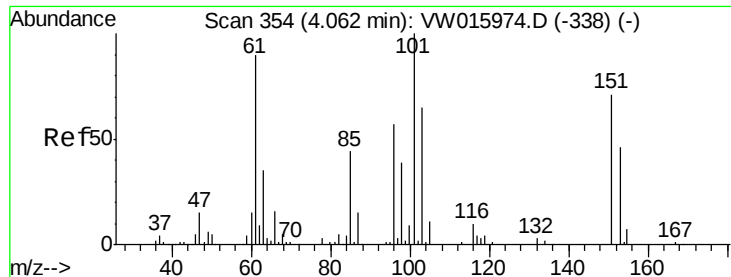
103 65.5 45.8 85.2



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: 27.812 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :
MSVOA_W
ClientSampled :

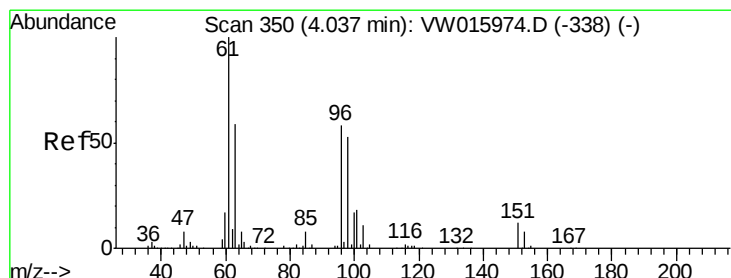
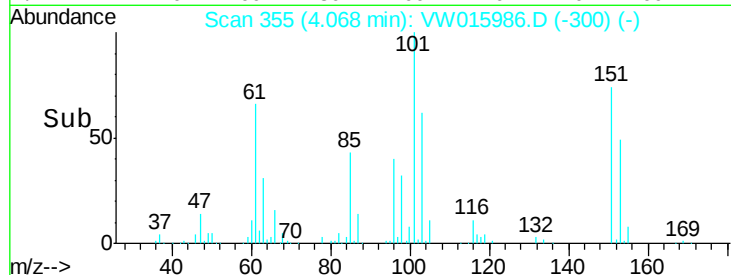
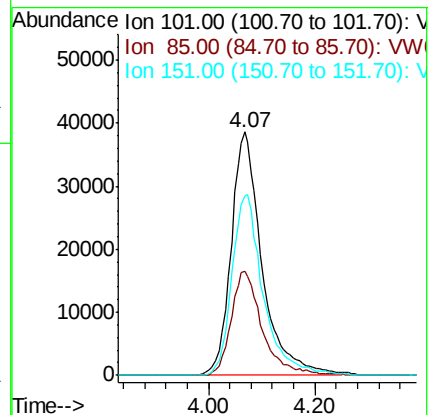
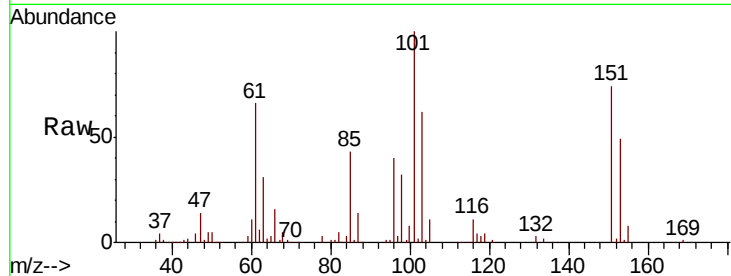
Tot Ion:101 Resp: 155968

Ion Ratio Lower Upper

101 100

85 42.1 35.5 53.3

151 74.5 58.4 87.6



#12

1,1-Dichloroethene

Concen: 27.212 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

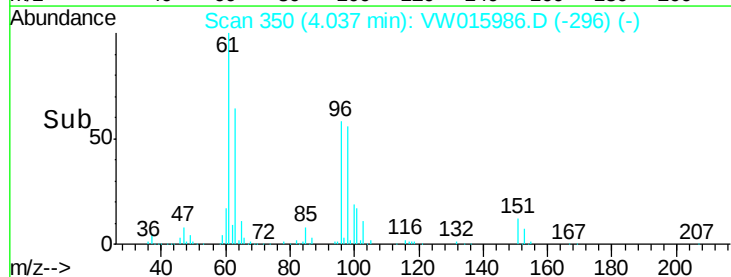
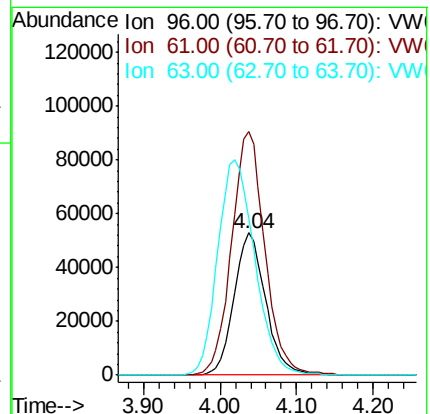
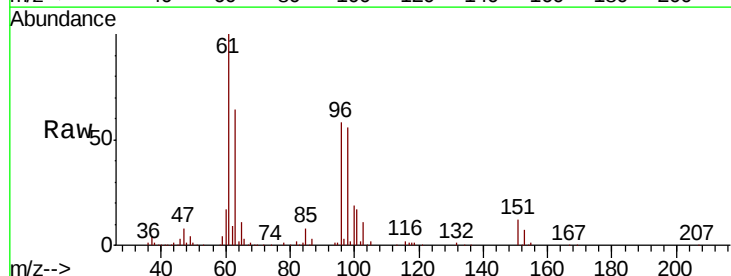
Tgt Ion: 96 Resp: 151253

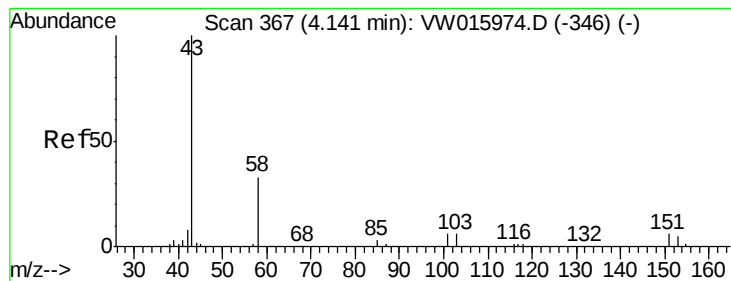
Ion Ratio Lower Upper

96 100

61 171.1 125.0 232.2

63 110.1 82.3 152.8





#13

Acetone

Concen: 62.597 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

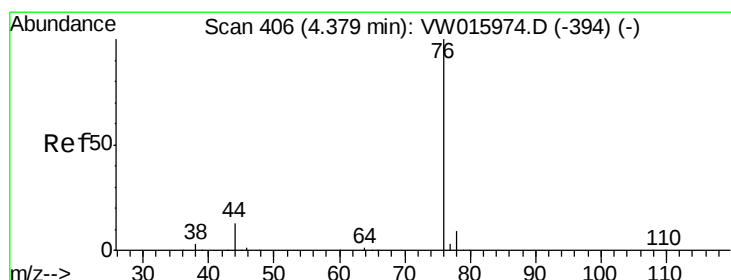
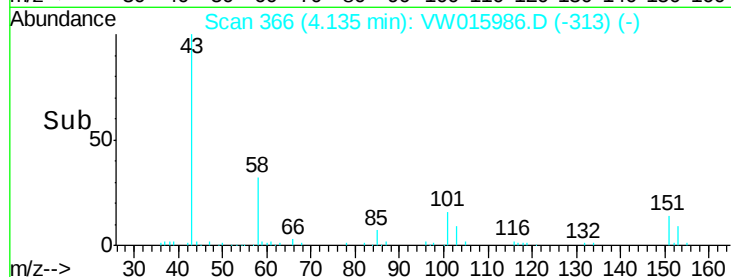
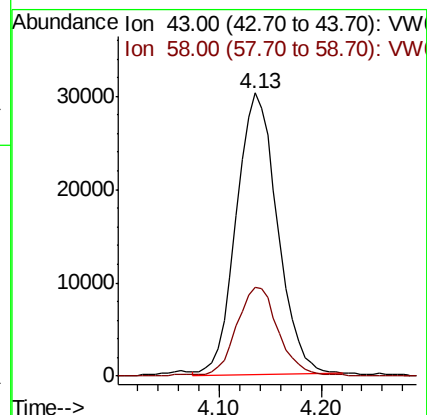
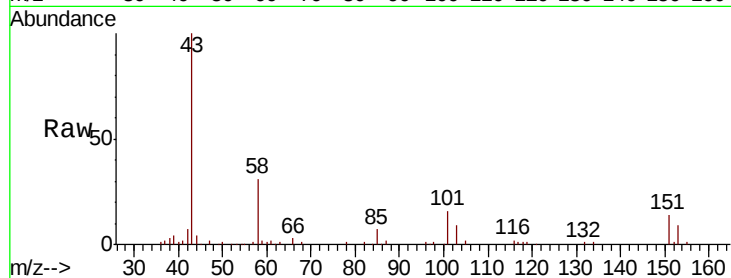
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 84252

Ion Ratio Lower Upper

43 100

58 31.0 0.0 58.2



#14

Carbon disulfide

Concen: 25.415 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015986.D

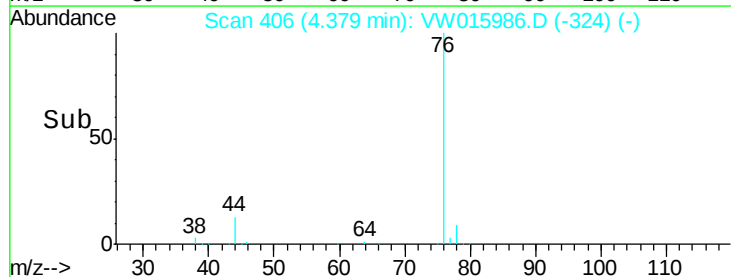
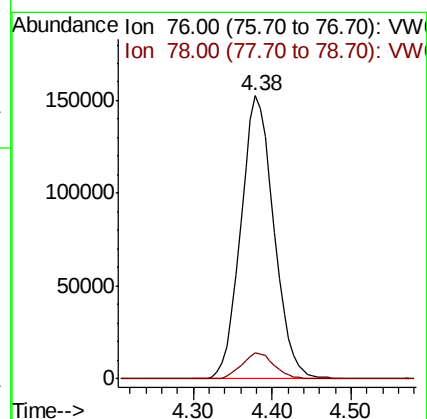
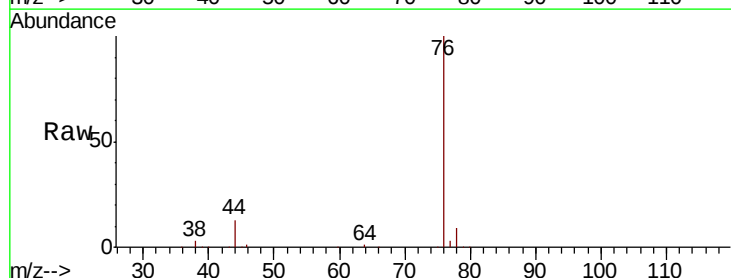
Acq: 28 Jul 2020 16:03

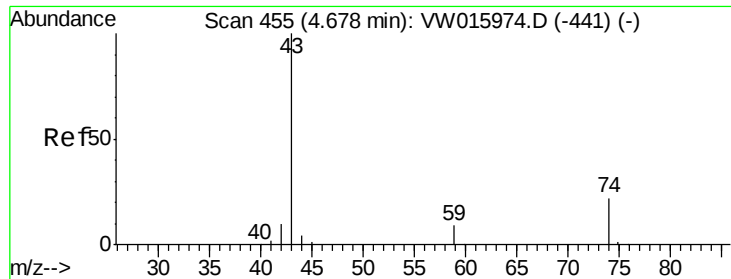
Tgt Ion: 76 Resp: 446144

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

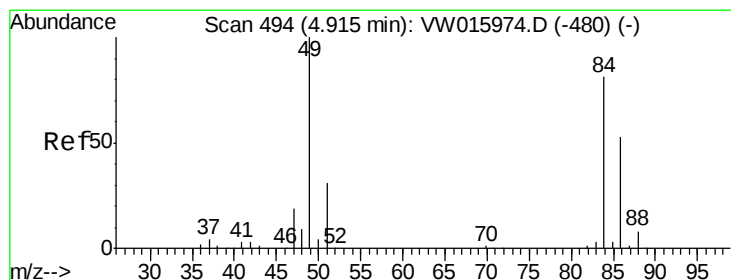
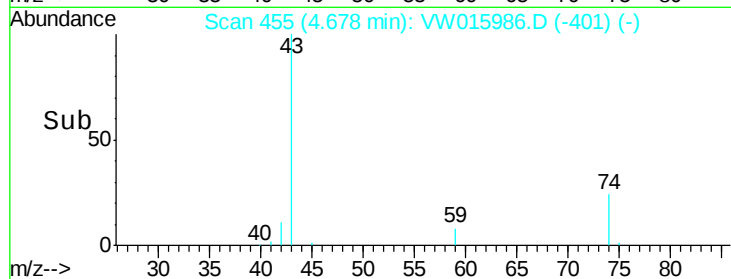
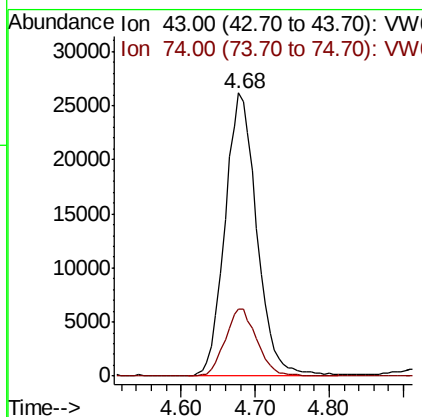
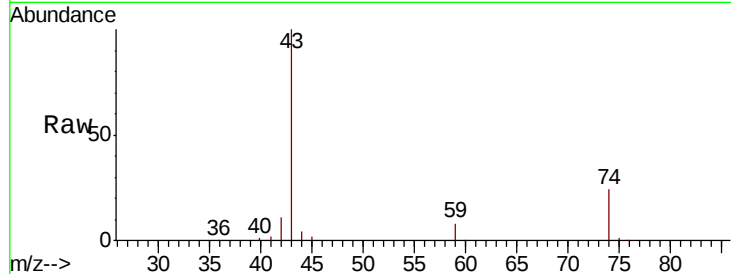




#15
Methyl Acetate
Concen: 30.600 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

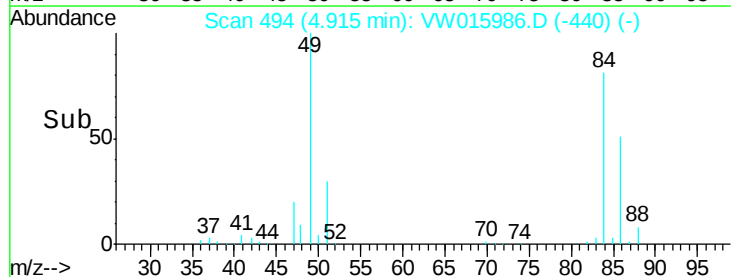
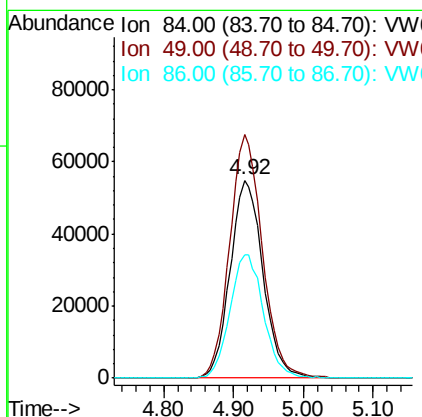
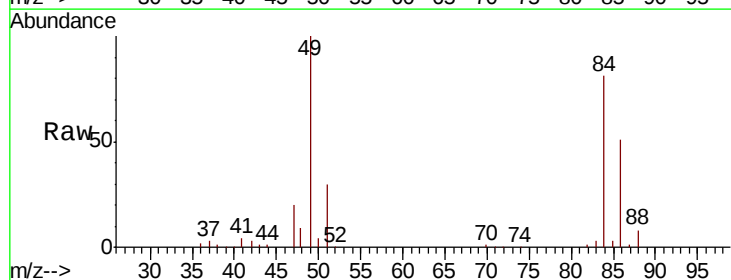
Instrument :
MSVOA_W
ClientSampled :

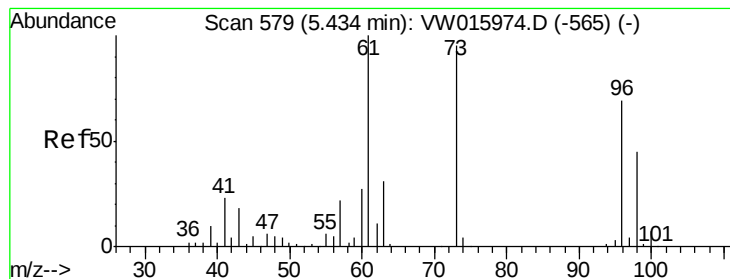
Tot Ion: 43 Resp: 77656
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.2



#16
Methylene chloride
Concen: 25.290 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion: 84 Resp: 179187
Ion Ratio Lower Upper
84 100
49 122.9 91.1 169.1
86 62.1 46.0 85.4





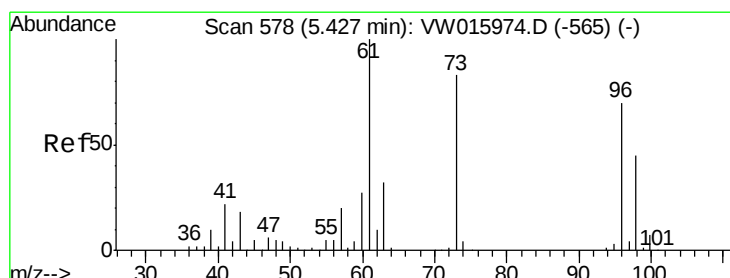
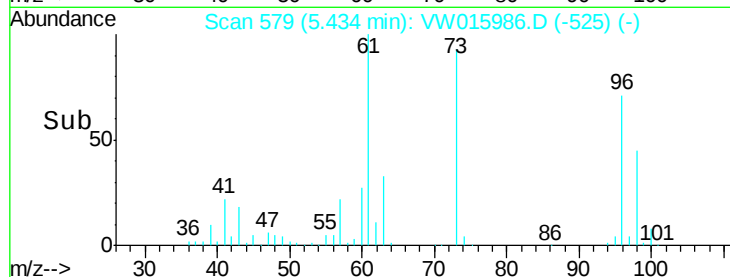
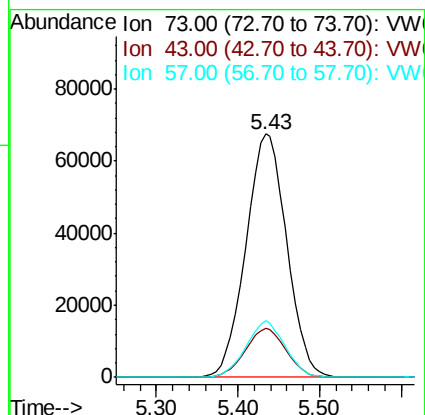
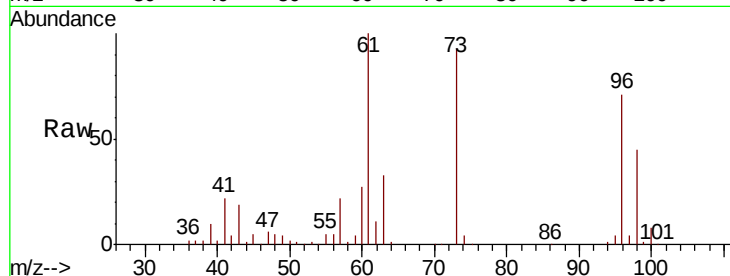
#17

Methvl tert-butvl Ether
 Concen: 29.884 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 234886

Ion	Ratio	Lower	Upper
73	100		
43	20.3	18.4	27.6
57	22.2	17.8	26.8

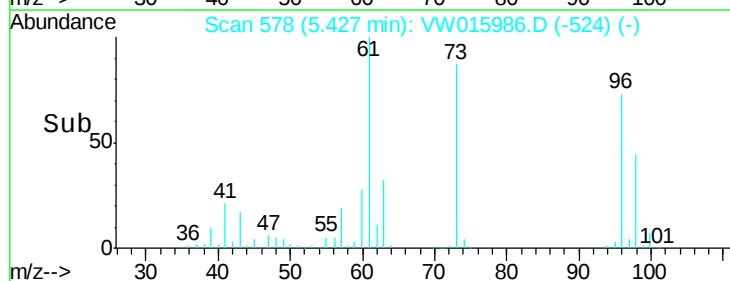
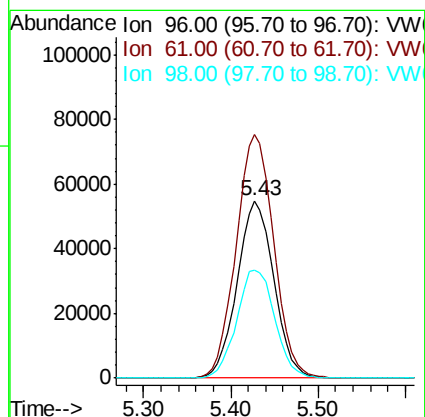
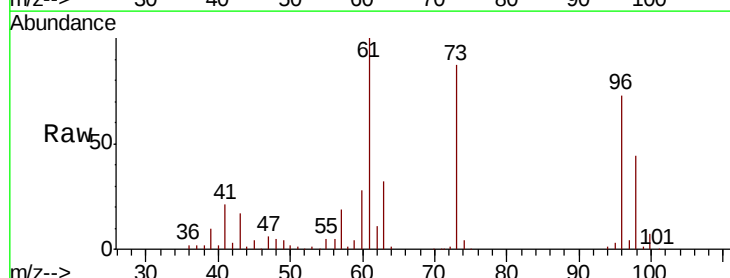


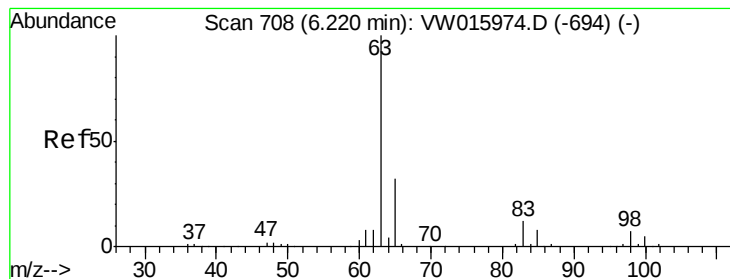
#18

trans-1,2-Dichloroethene
 Concen: 27.246 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Tgt Ion: 96 Resp: 159920

Ion	Ratio	Lower	Upper
96	100		
61	137.4	99.3	184.5
98	60.7	42.9	79.7





#19

1,1-Dichloroethane

Concen: 27.217 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :
MSVOA_W
ClientSampled :

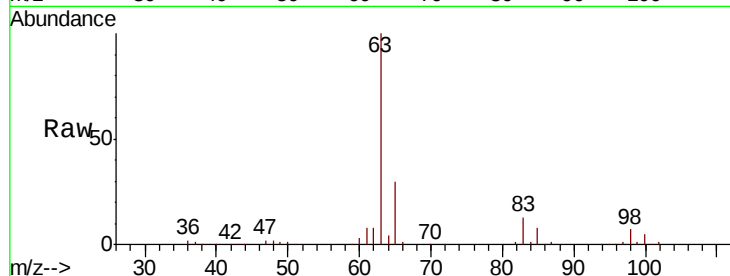
Tot Ion: 63 Resp: 294391

Ion Ratio Lower Upper

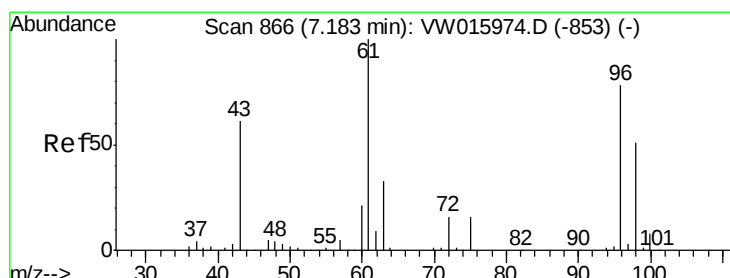
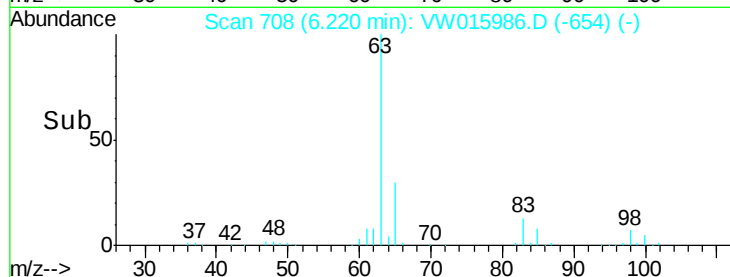
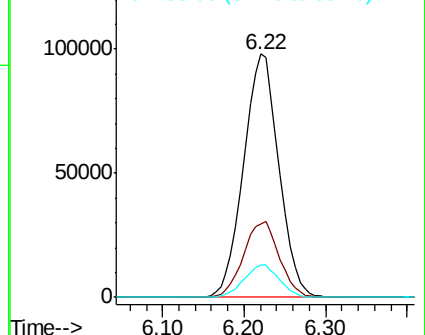
63 100

65 30.3 22.2 41.2

83 13.1 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: 66.532 ug/L

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW015986.D

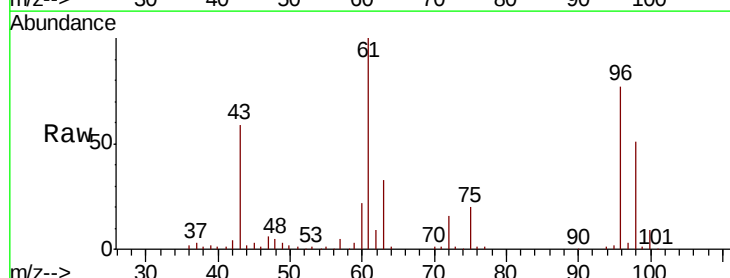
Acq: 28 Jul 2020 16:03

Tgt Ion: 43 Resp: 110734

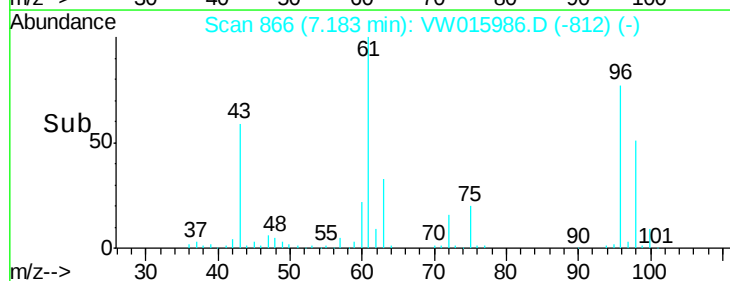
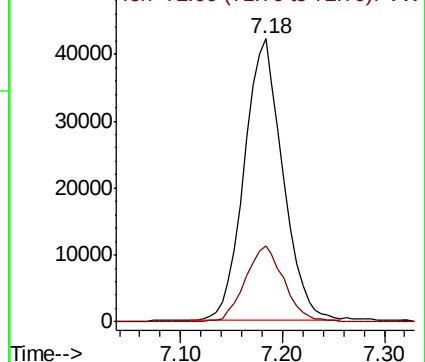
Ion Ratio Lower Upper

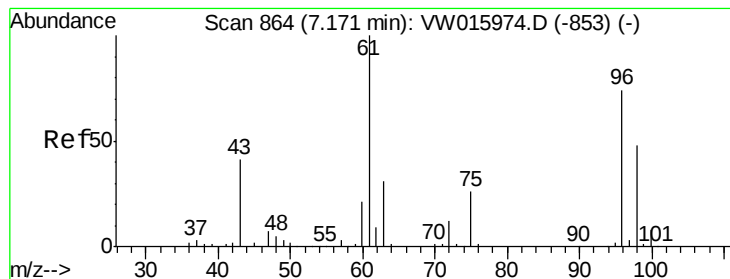
43 100

72 27.3 13.9 41.7



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



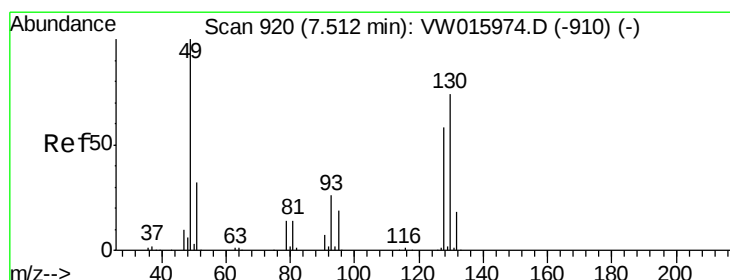
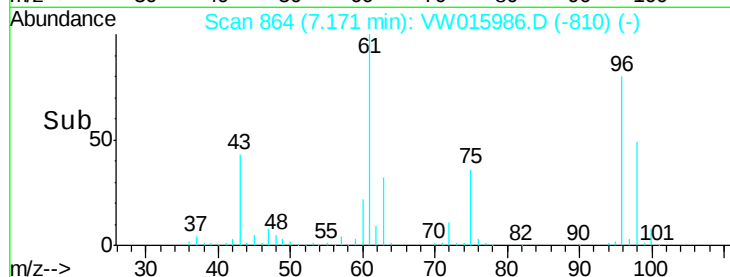
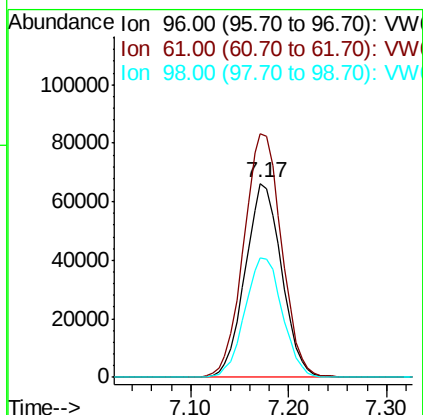
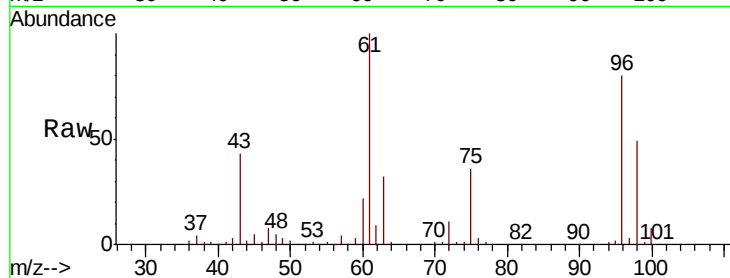


#22

cis-1,2-Dichloroethene
 Concen: 27.885 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Instrument :
 MSVOA_W
 ClientSampled :

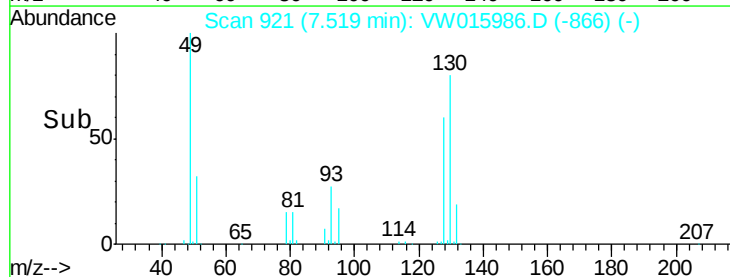
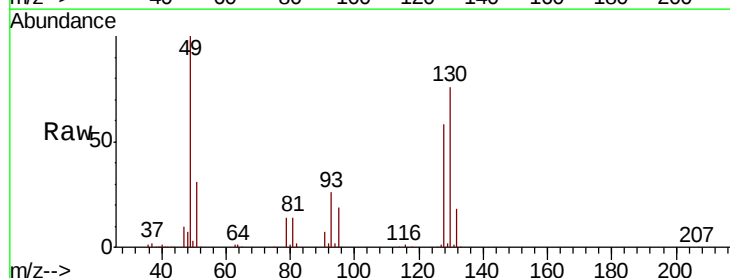
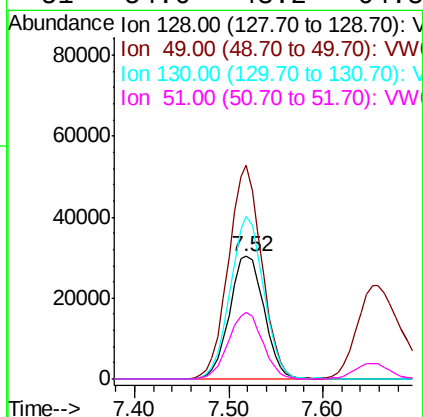
Tot Ion: 96 Resp: 171242
 Ion Ratio Lower Upper
 96 100
 61 125.5 94.6 175.8
 98 61.5 44.3 82.3

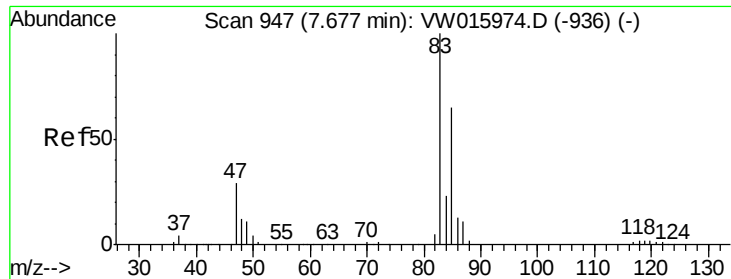


#23

Bromochloromethane
 Concen: 28.784 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Tgt Ion: 128 Resp: 77511
 Ion Ratio Lower Upper
 128 100
 49 173.8 122.4 227.2
 130 132.7 93.9 174.5
 51 54.6 43.2 64.8

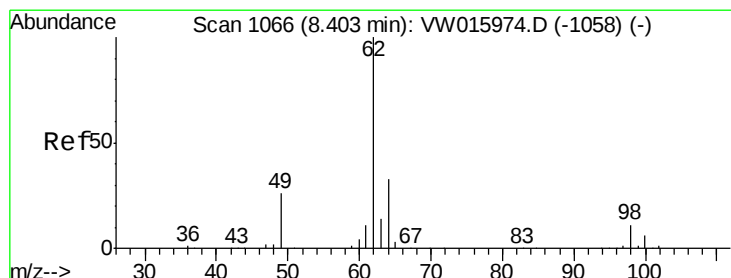
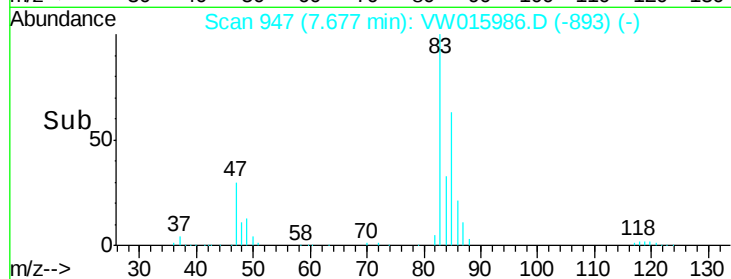
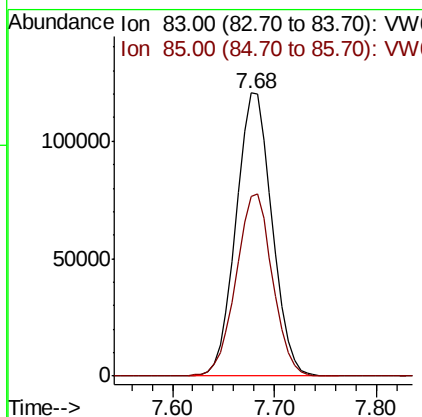
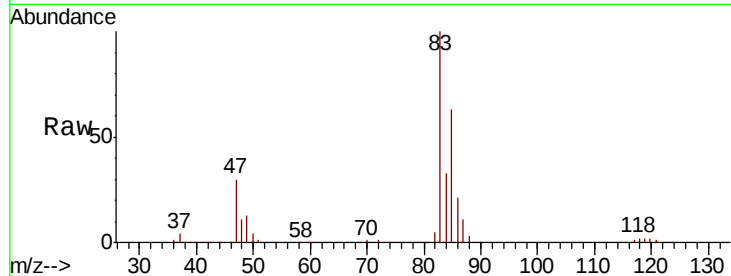




#25
Chloroform
Concen: 27.554 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

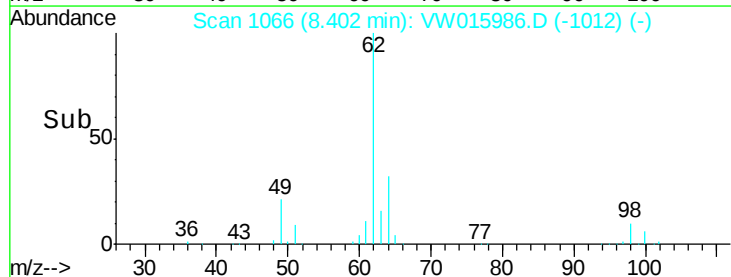
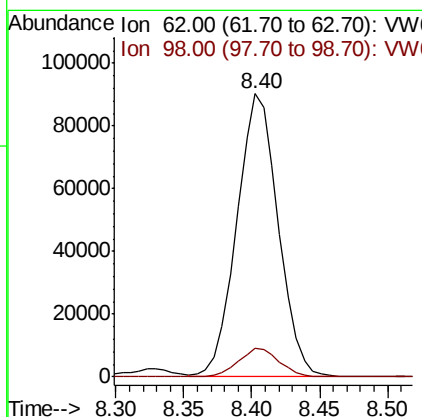
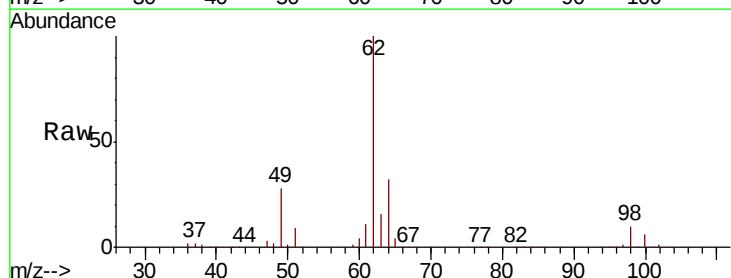
Instrument :
MSVOA_W
ClientSampleId :

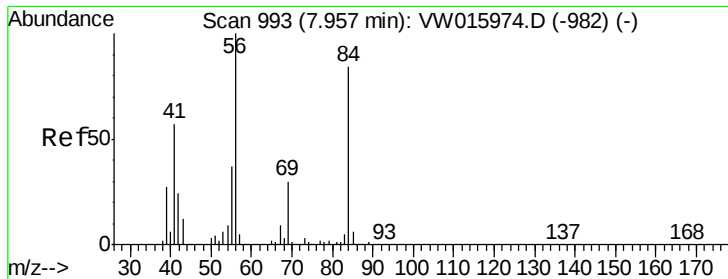
Tot Ion: 83 Resp: 295379
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 26.347 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion: 62 Resp: 192183
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.6

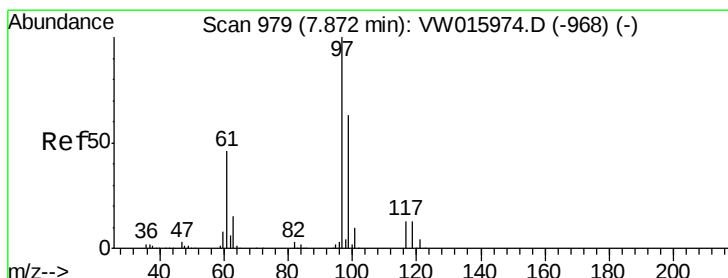
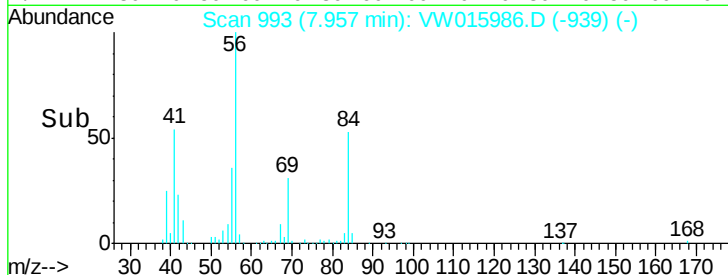
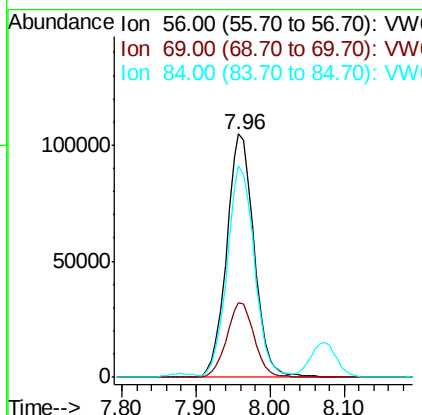
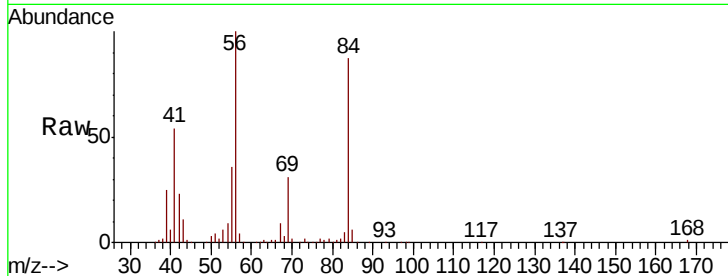




#30
Cyclohexane
Concen: 26.897 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

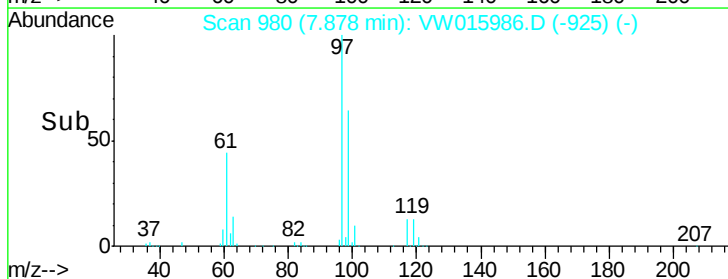
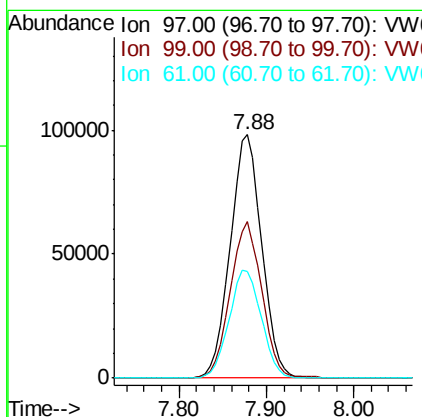
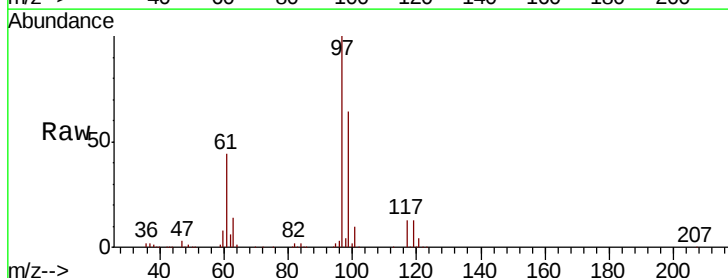
Instrument :
MSVOA_W
ClientSampled :

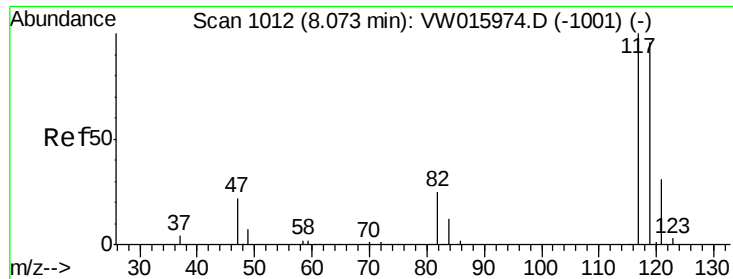
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.4	36.6
84	86.5	69.3	103.9



#31
1,1,1-Trichloroethane
Concen: 26.352 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	45.4	37.6	56.4





#32

Carbon tetrachloride

Concen: 26.418 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

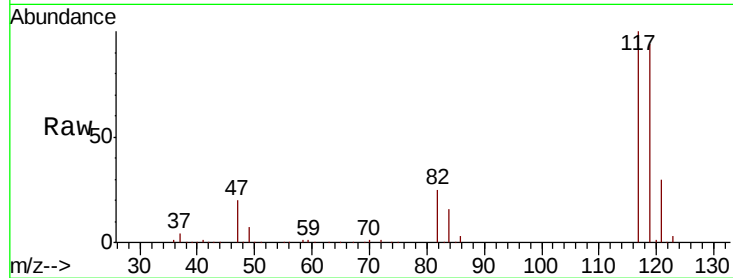
ClientSampleId :

Tot Ion:117 Resp: 223703

Ion Ratio Lower Upper

117 100

119 93.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

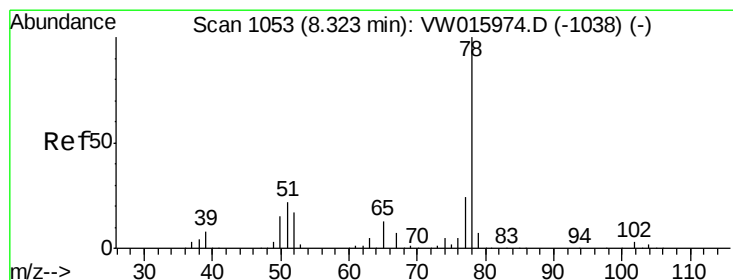
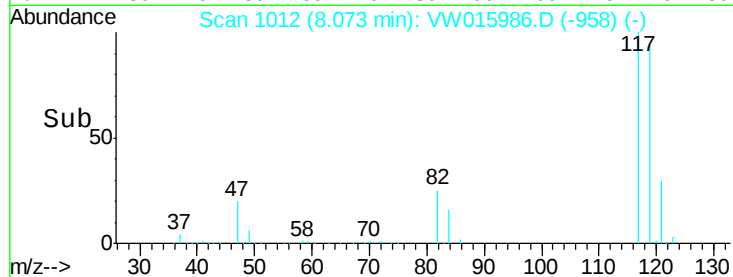
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 27.143 ug/L

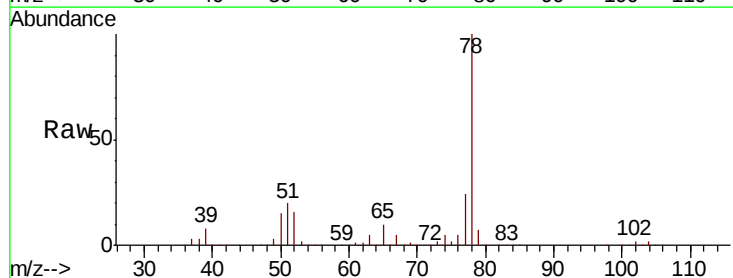
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Tgt Ion: 78 Resp: 659287



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

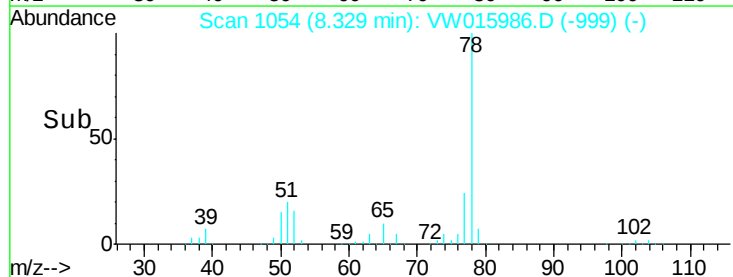
300000

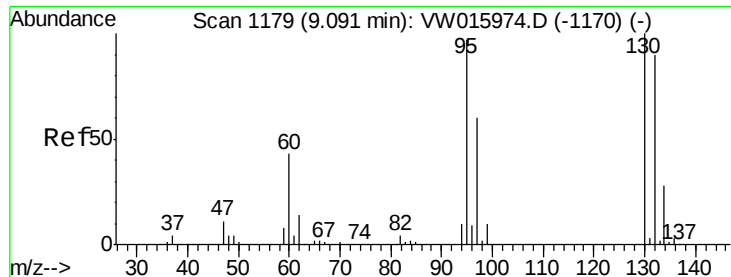
200000

100000

0

Time-->

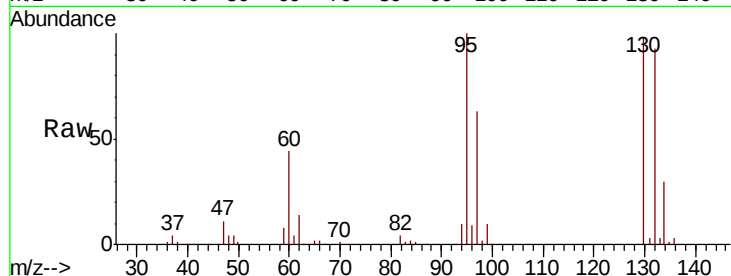




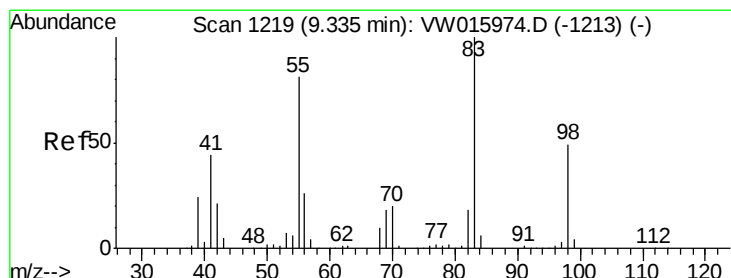
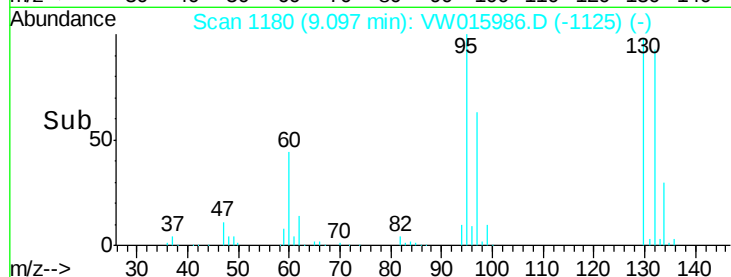
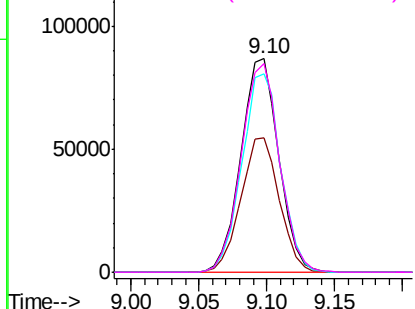
#35
 Trichloroethene
 Concen: 26.377 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 169479
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.4 82.4
 132 94.8 65.1 120.9
 130 98.9 68.6 127.4

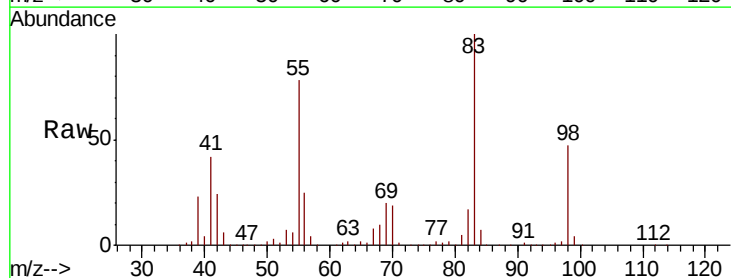


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

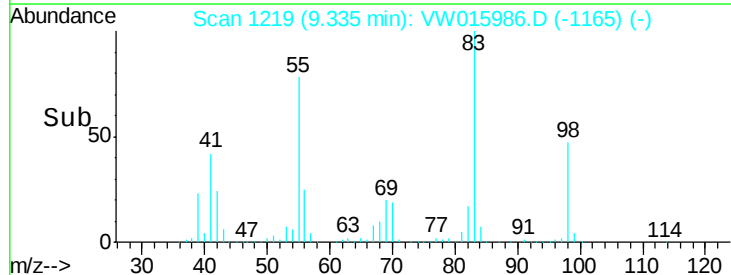
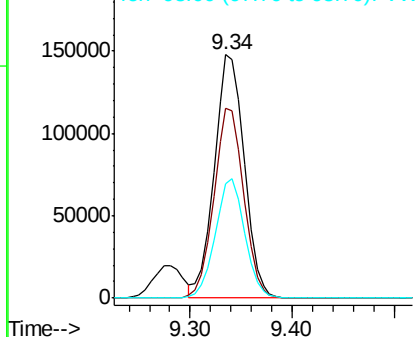


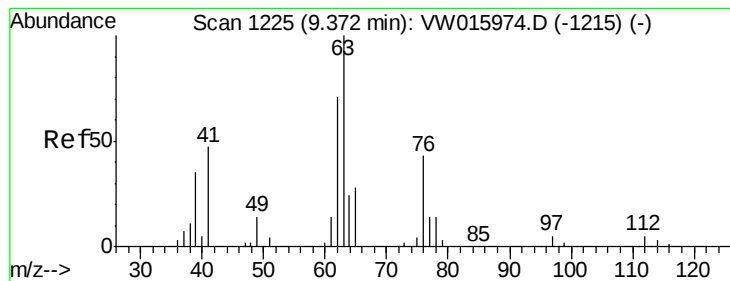
#36
 Methylcyclohexane
 Concen: 27.502 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Tgt Ion: 83 Resp: 303208
 Ion Ratio Lower Upper
 83 100
 55 77.3 63.5 95.3
 98 48.2 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: 27.664 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

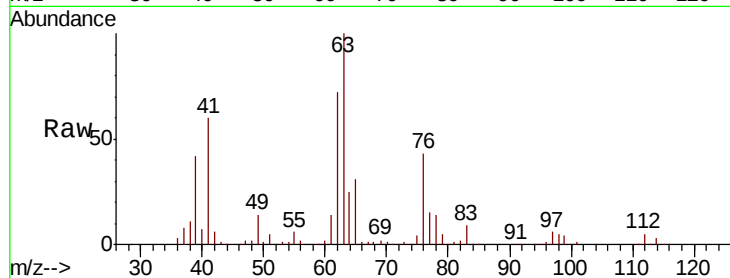
ClientSampled :

Tot Ion: 63 Resp: 166462

Ion Ratio Lower Upper

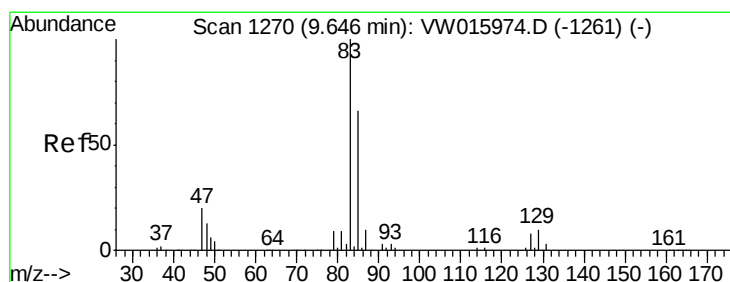
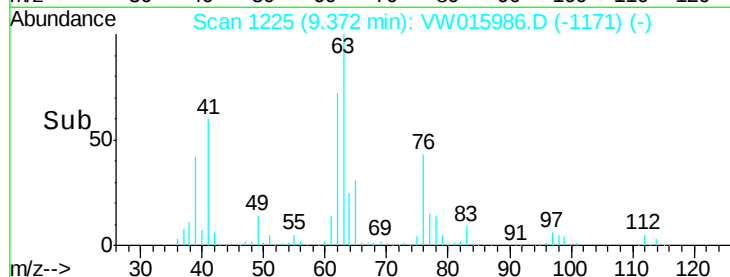
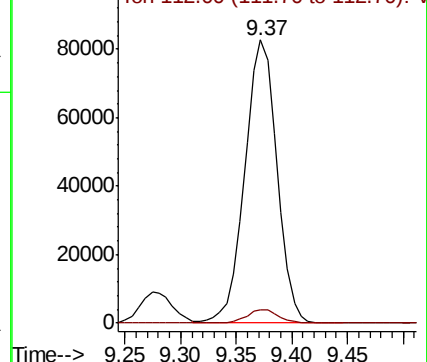
63 100

112 4.7 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.376 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

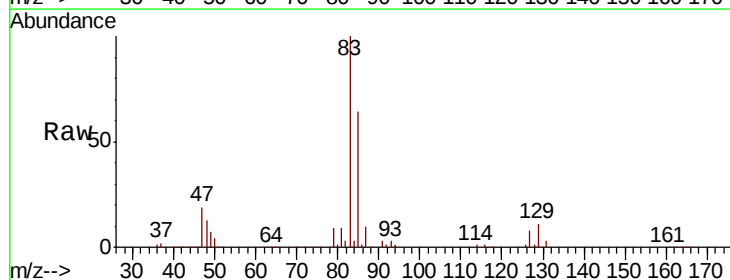
Tgt Ion: 83 Resp: 204961

Ion Ratio Lower Upper

83 100

85 64.5 43.7 81.1

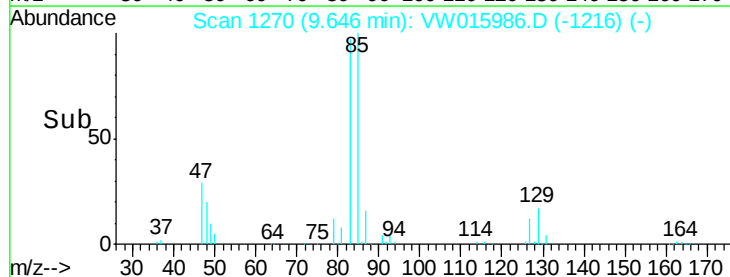
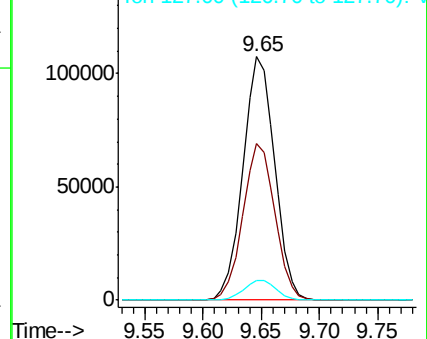
127 7.8 6.5 9.7

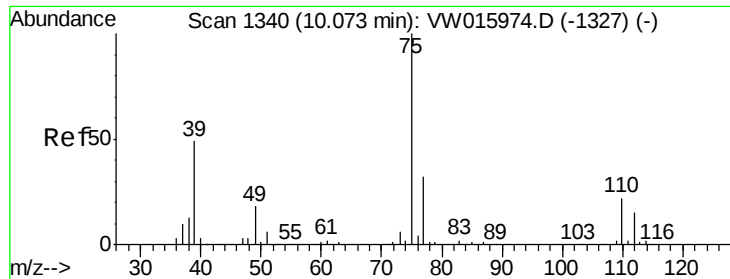


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

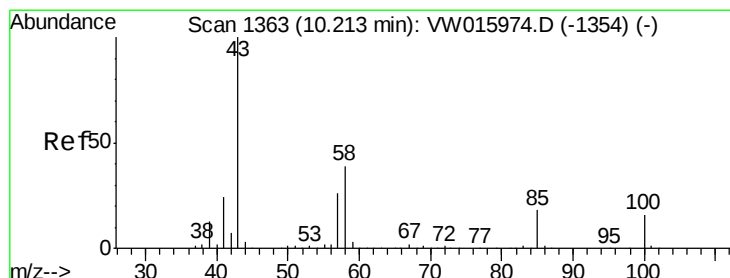
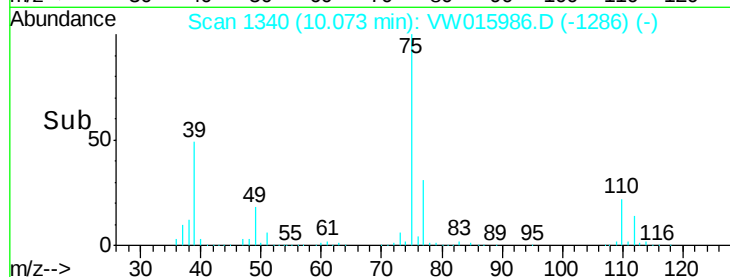
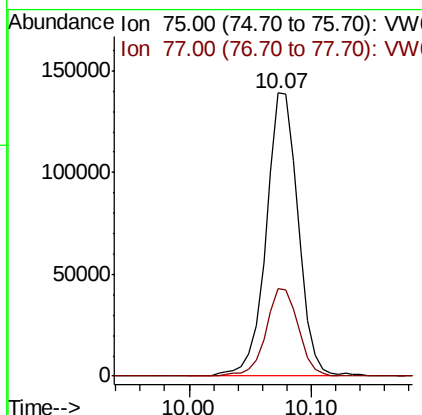
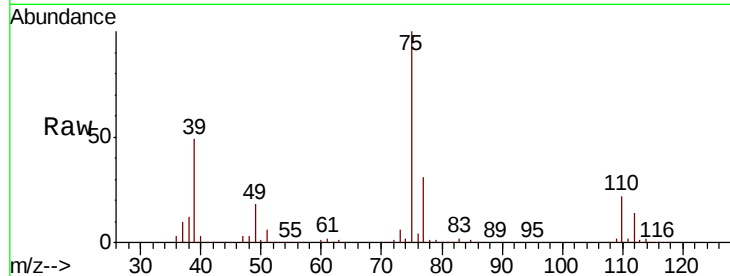




#42
 cis-1,3-Dichloropropene
 Concen: 27.568 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

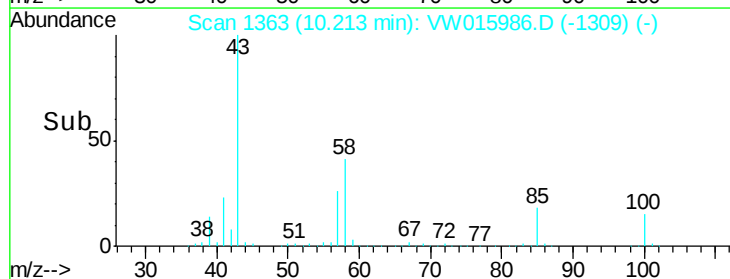
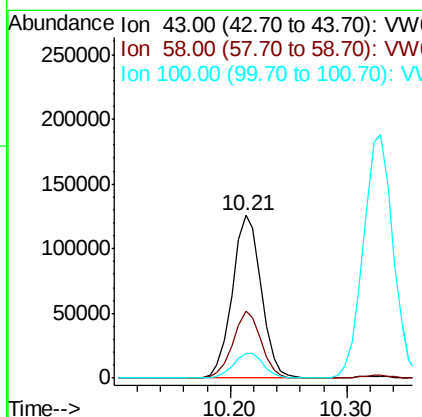
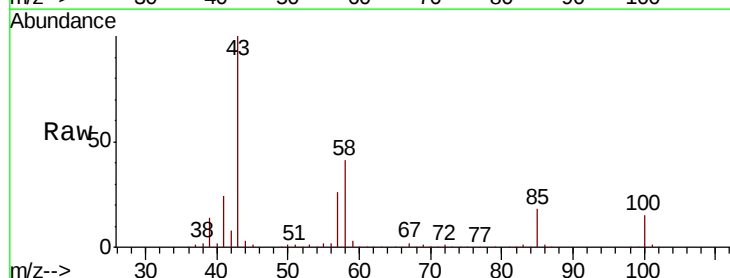
Instrument :
 MSVOA_W
 ClientSampleId :

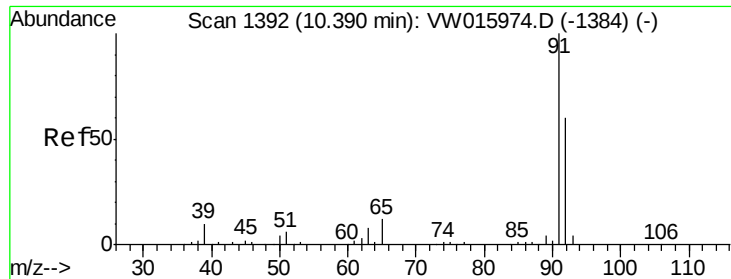
Tot Ion: 75 Resp: 252639
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 62.247 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Tgt Ion: 43 Resp: 218623
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.0 46.4
 100 15.9 12.6 19.0





#44

Toluene

Concen: 27.655 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

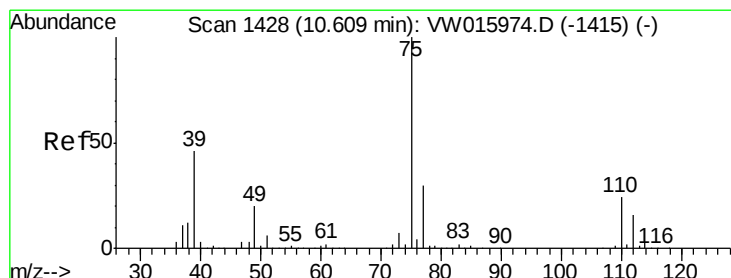
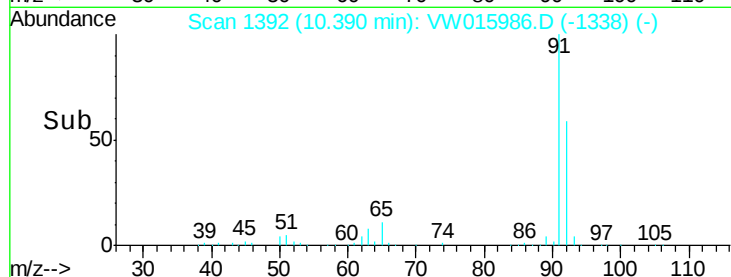
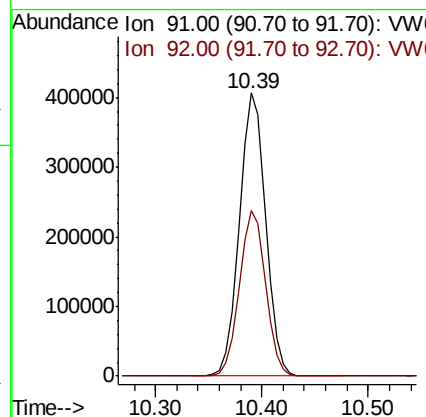
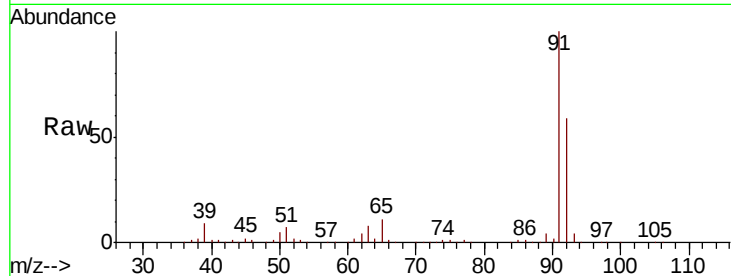
ClientSampleId :

Tot Ion: 91 Resp: 704520

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 27.889 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015986.D

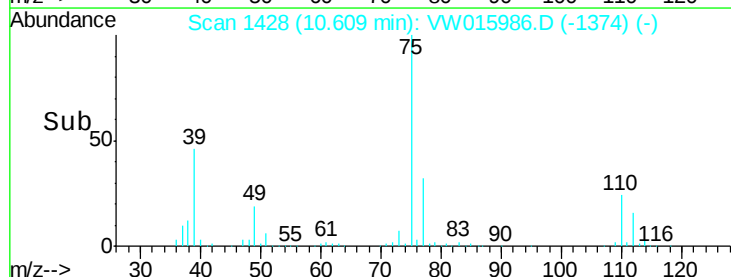
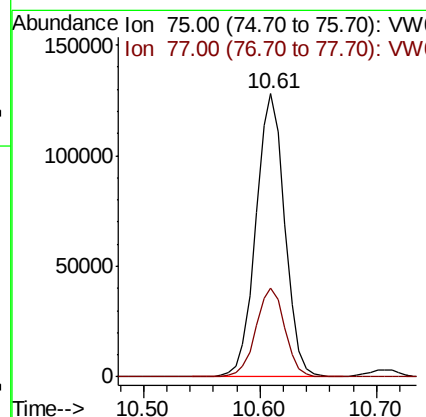
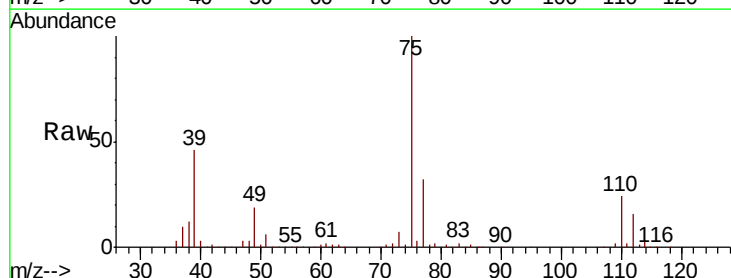
Acq: 28 Jul 2020 16:03

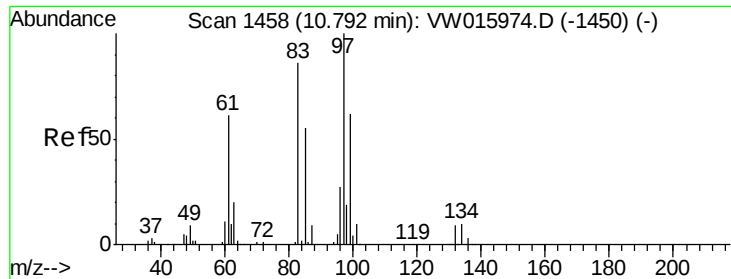
Tgt Ion: 75 Resp: 221536

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9

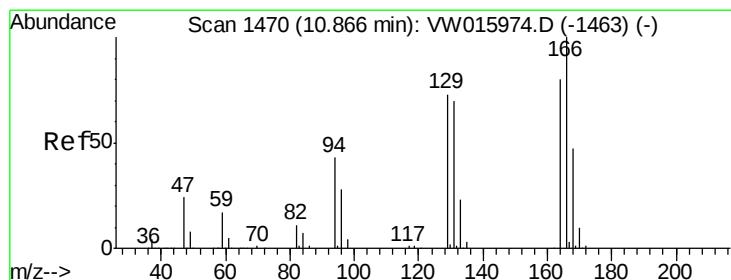
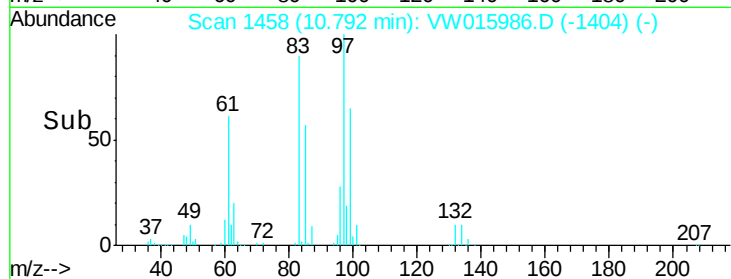
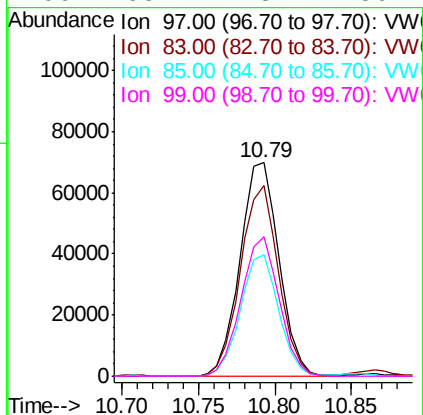
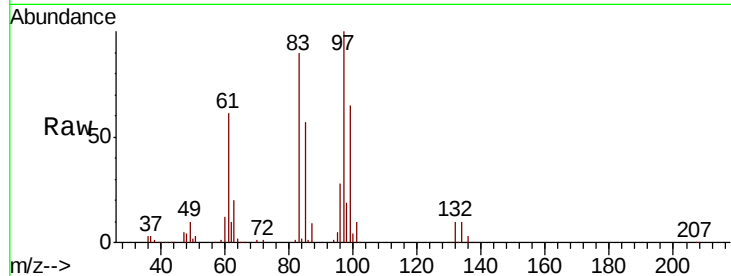




#46
1,1,2-Trichloroethane
Concen: 28.735 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

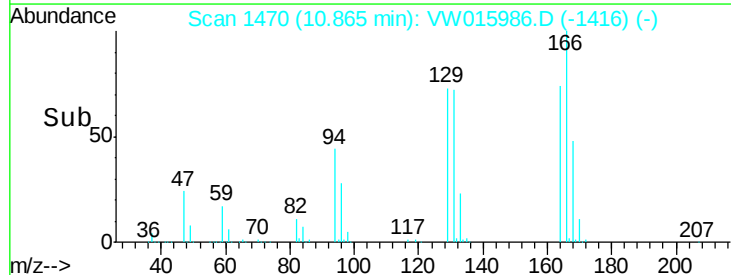
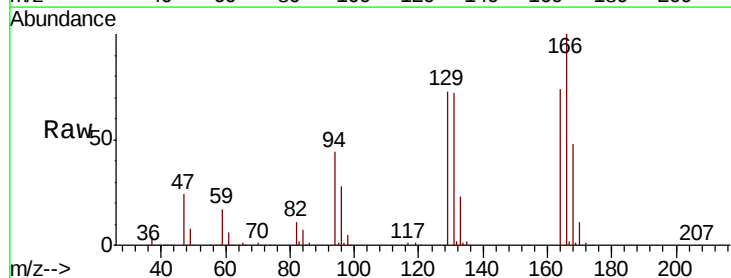
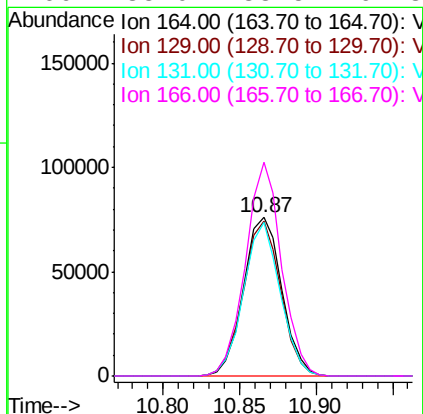
Instrument :
MSVOA_W
ClientSampled :

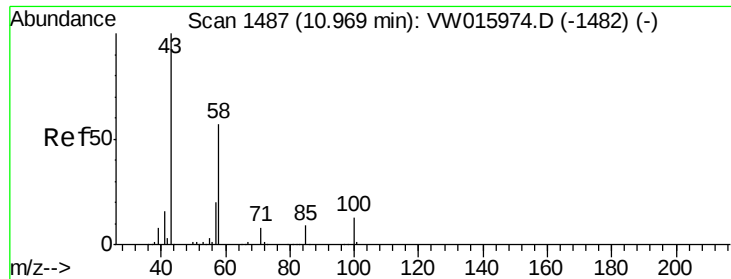
Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	60.6	112.6
85	56.8	38.9	72.2
99	65.4	43.1	80.1



#47
Tetrachloroethene
Concen: 26.538 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.2	70.0	130.0
131	97.2	67.3	124.9
166	135.0	88.5	164.3

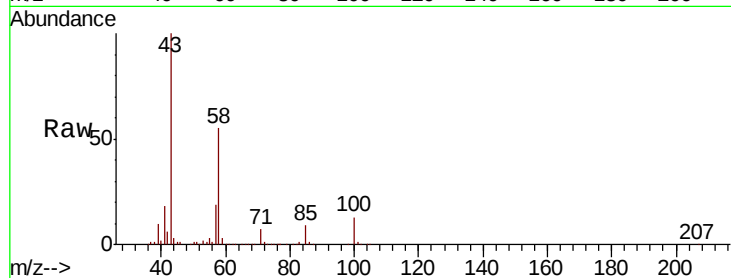




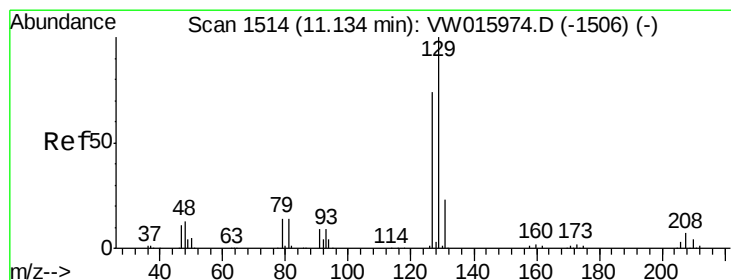
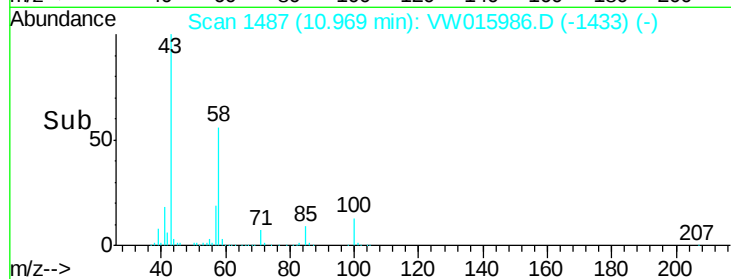
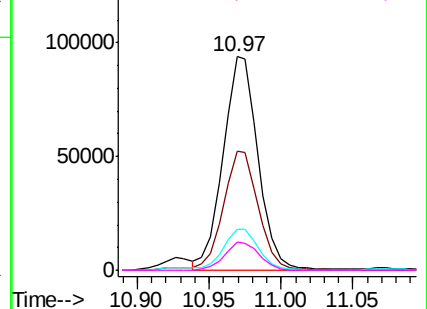
#49
2-Hexanone
Concen: 64.119 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 159809
Ion Ratio Lower Upper
43 100
58 55.1 42.4 63.6
57 19.5 15.6 23.4
100 13.0 9.8 14.6

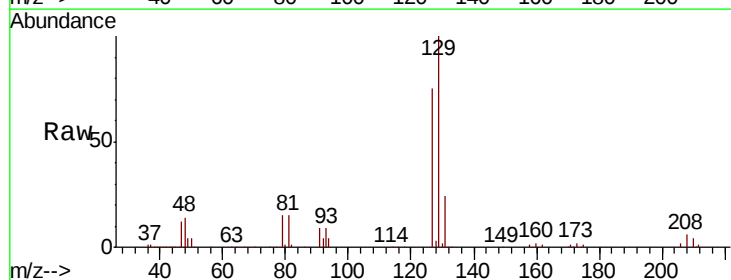


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

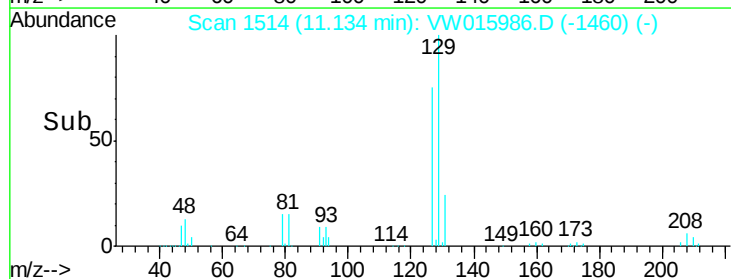
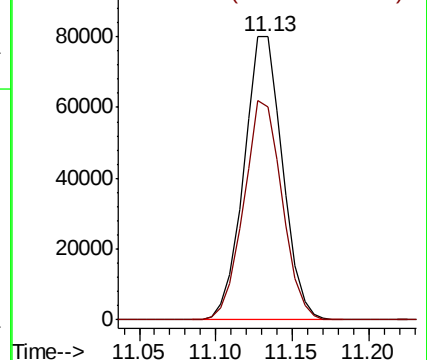


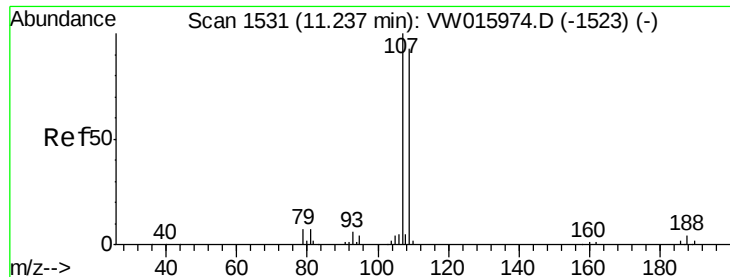
#50
Dibromochloromethane
Concen: 27.966 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion: 129 Resp: 140097
Ion Ratio Lower Upper
129 100
127 75.3 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

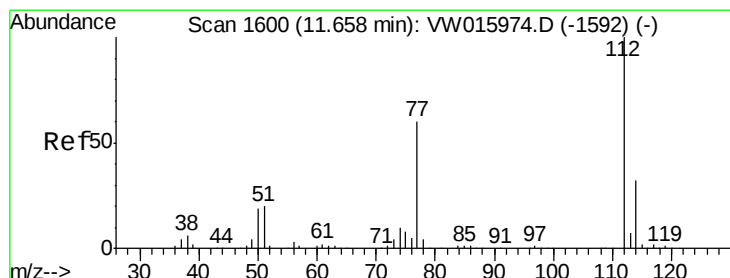
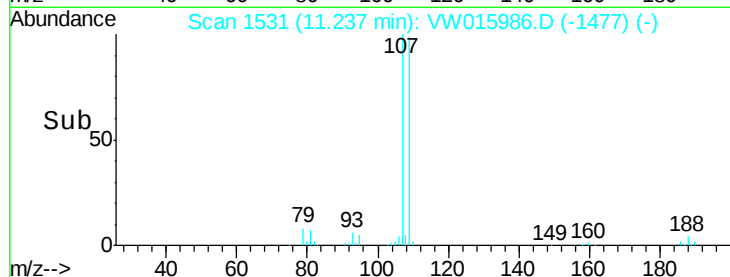
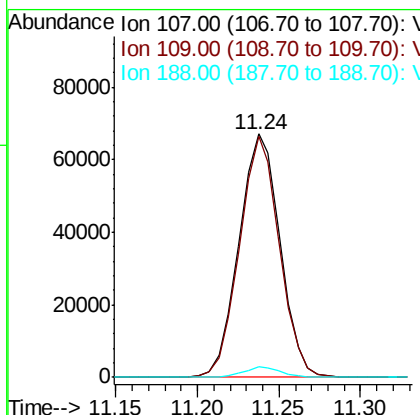
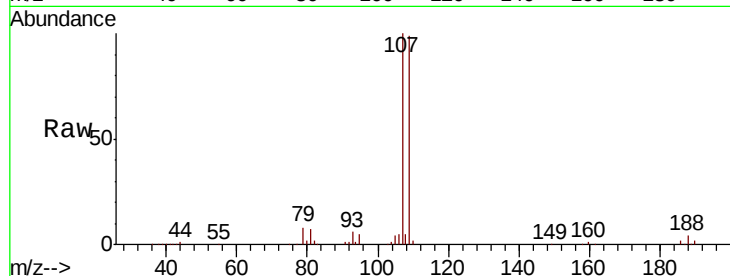




#51
1,2-Dibromoethane
Concen: 28.403 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

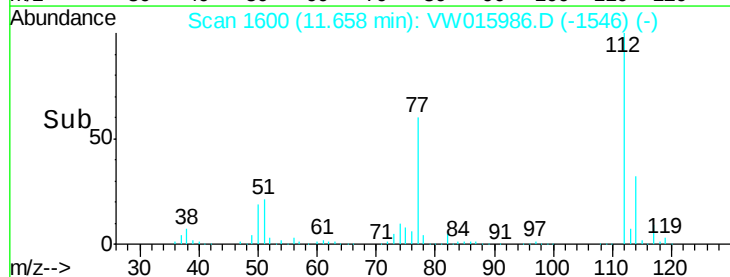
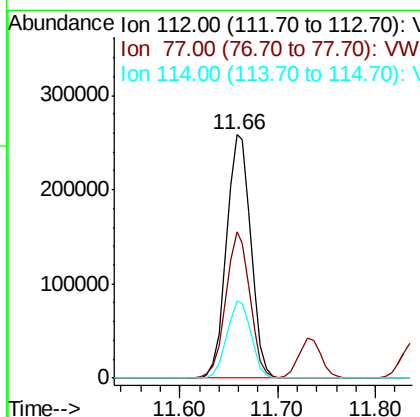
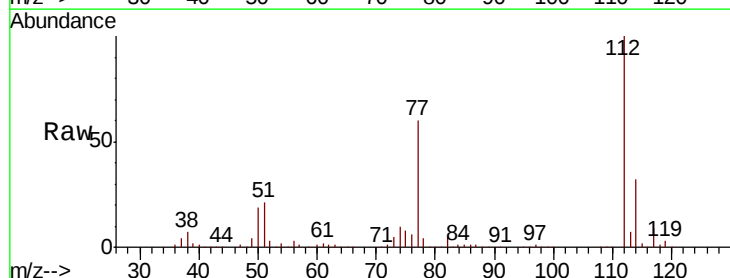
Instrument :
MSVOA_W
ClientSampleId :

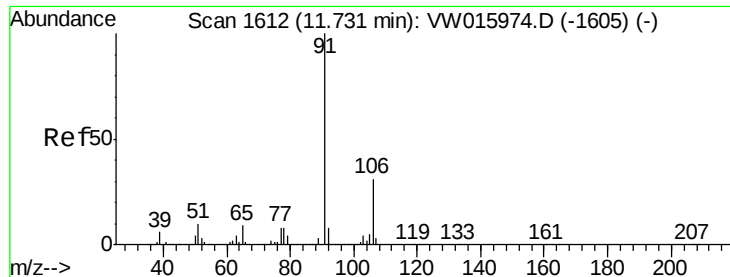
Tot Ion:107 Resp: 117571
Ion Ratio Lower Upper
107 100
109 98.8 66.9 124.3
188 4.1 3.2 4.8



#52
Chlorobenzene
Concen: 27.323 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion:112 Resp: 446024
Ion Ratio Lower Upper
112 100
77 60.0 47.8 71.6
114 31.5 22.1 41.1

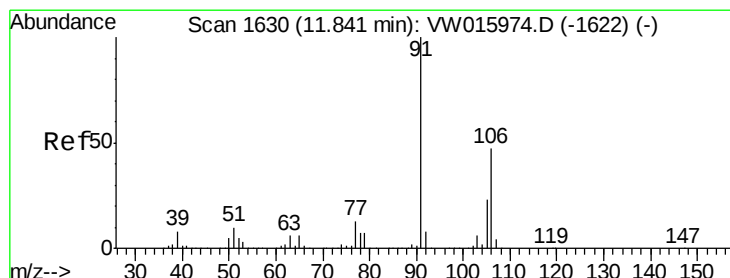
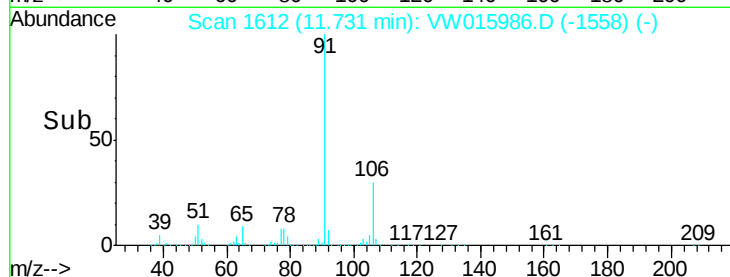
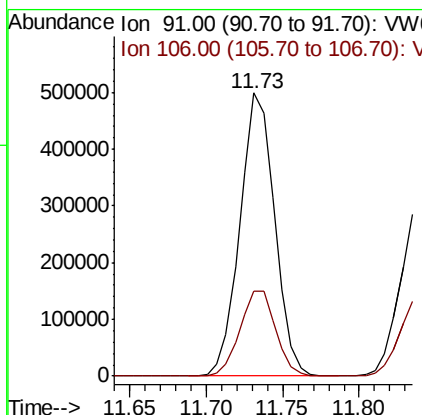
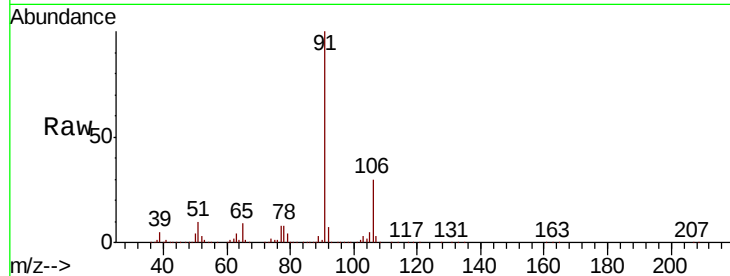




#53
Ethylbenzene
Concen: 27.491 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

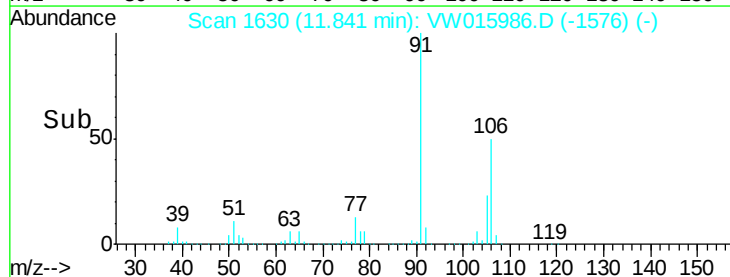
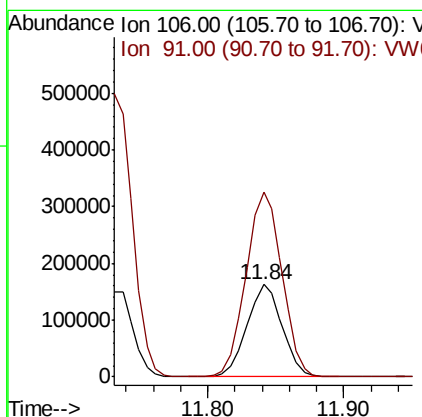
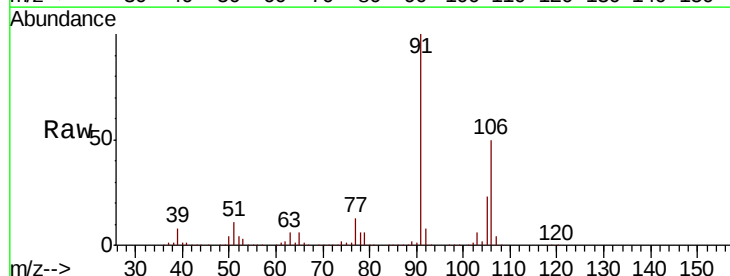
Instrument :
MSVOA_W
ClientSampleId :

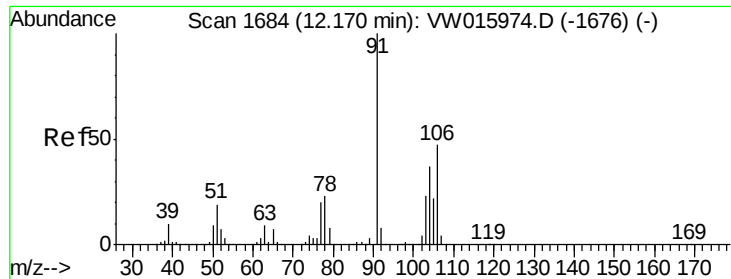
Tot Ion: 91 Resp: 787503
Ion Ratio Lower Upper
91 100
106 30.1 22.4 41.6



#54
m,p-Xylene
Concen: 27.510 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion: 106 Resp: 294835
Ion Ratio Lower Upper
106 100
91 199.9 144.1 267.5

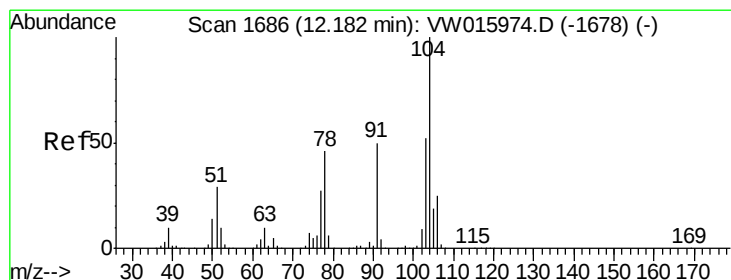
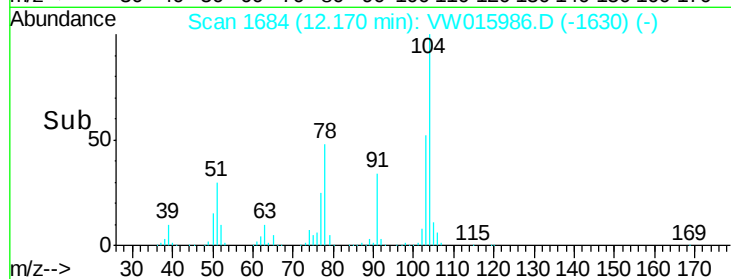
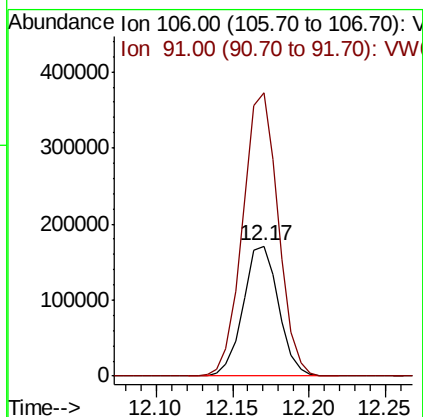
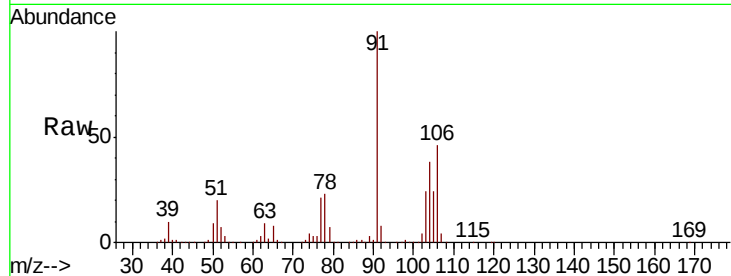




#55
o-xylene
Concen: 27.286 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

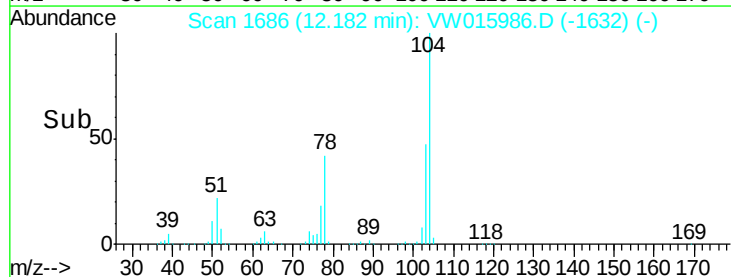
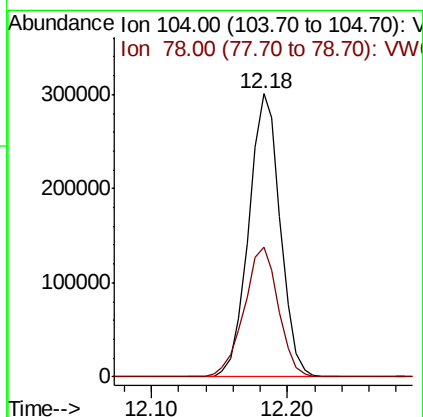
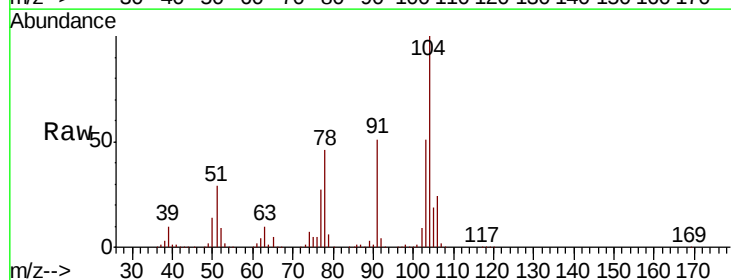
Instrument :
MSVOA_W
ClientSampled :

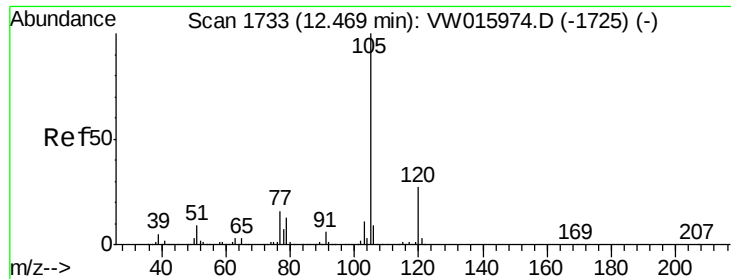
Tot Ion:106 Resp: 275365
Ion Ratio Lower Upper
106 100
91 217.7 146.8 272.6



#56
Styrene
Concen: 28.419 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015986.D
Acq: 28 Jul 2020 16:03

Tgt Ion:104 Resp: 487720
Ion Ratio Lower Upper
104 100
78 46.0 32.0 59.4





#57

Isopropylbenzene

Concen: 28.123 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

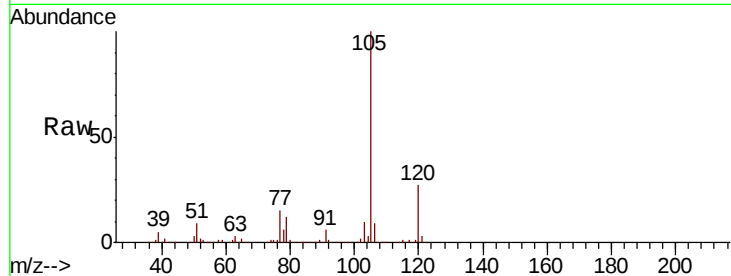
Tot Ion:105 Resp: 772583

Ion Ratio Lower Upper

105 100

120 26.4 20.4 30.6

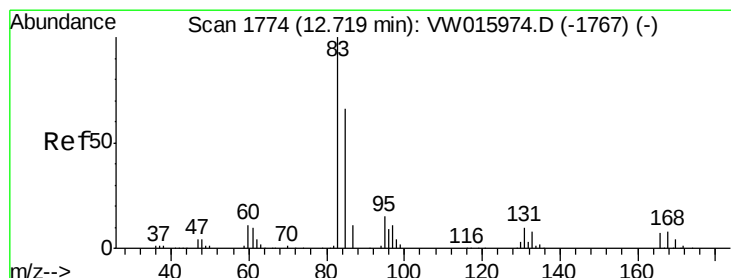
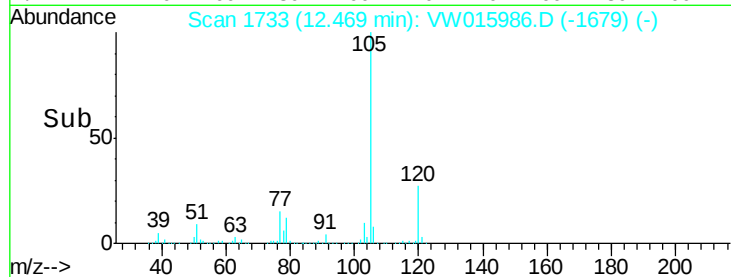
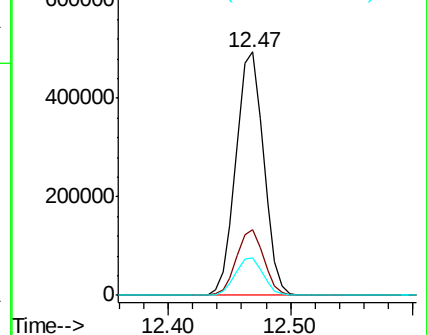
77 15.4 12.9 19.3



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: 30.311 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

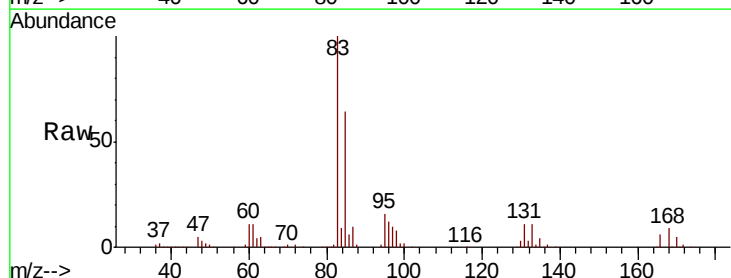
Tgt Ion: 83 Resp: 154011

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.7

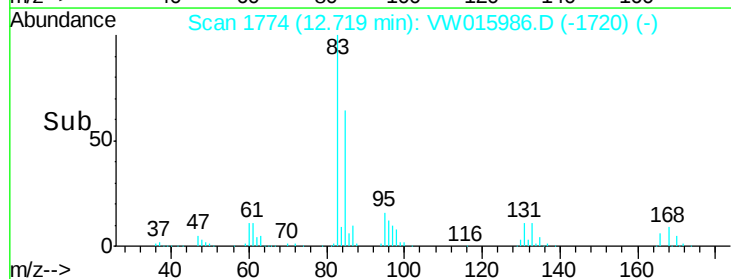
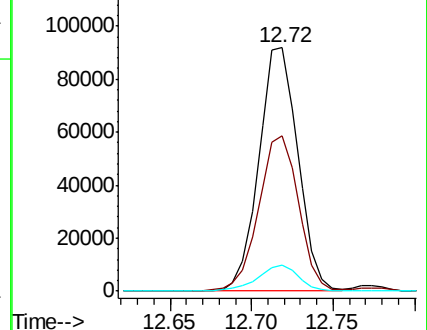
131 10.6 8.2 12.4

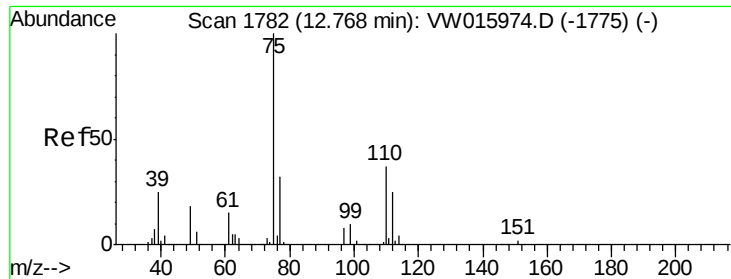


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.392 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

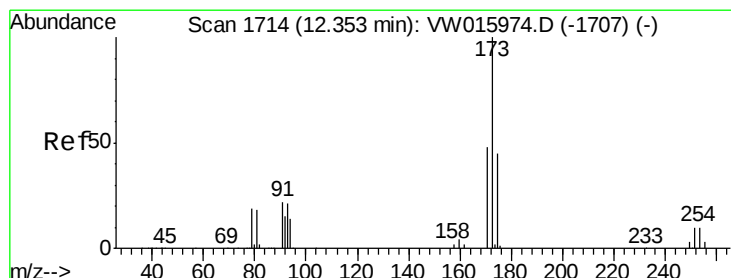
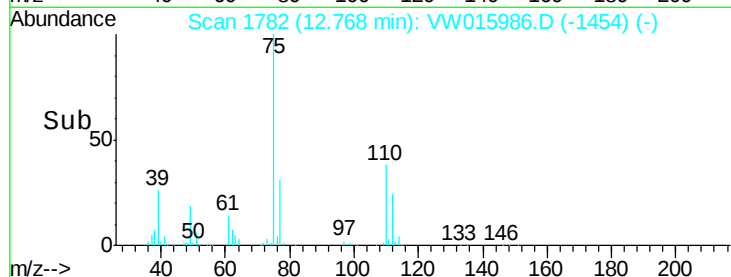
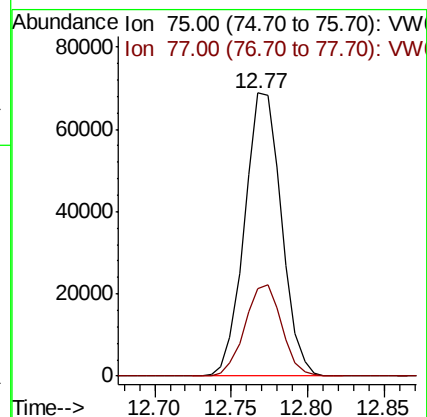
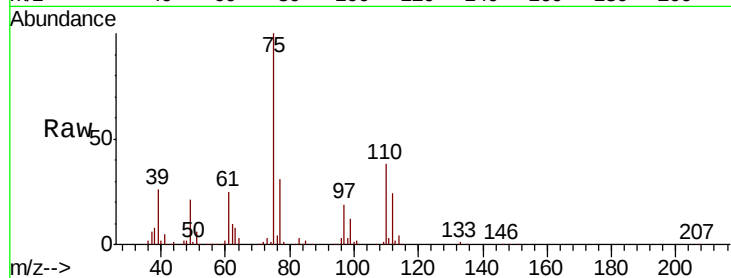
ClientSampleId :

Tot Ion: 75 Resp: 115702

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0



#62

Bromoform

Concen: 28.809 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

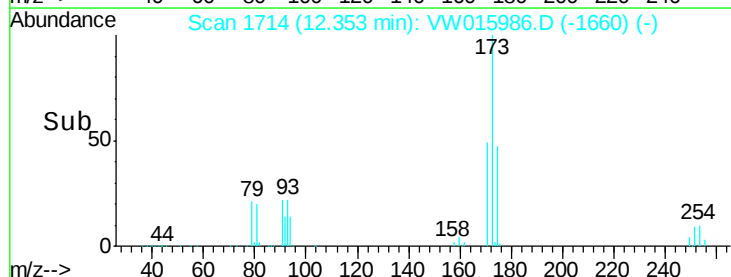
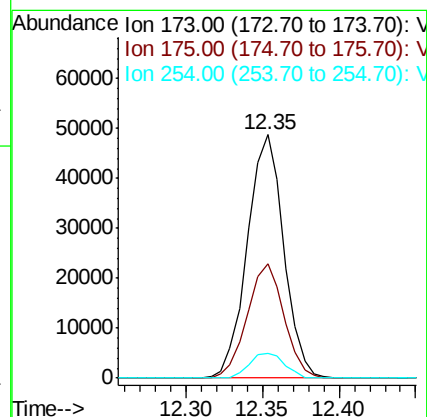
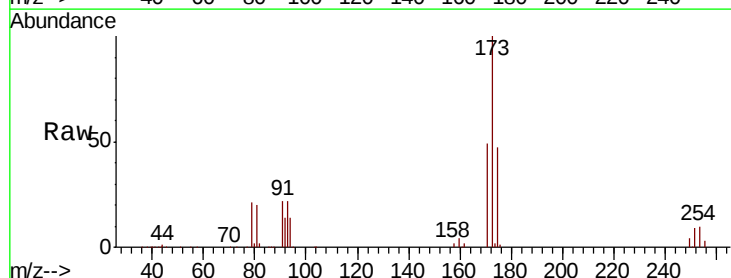
Tgt Ion: 173 Resp: 80753

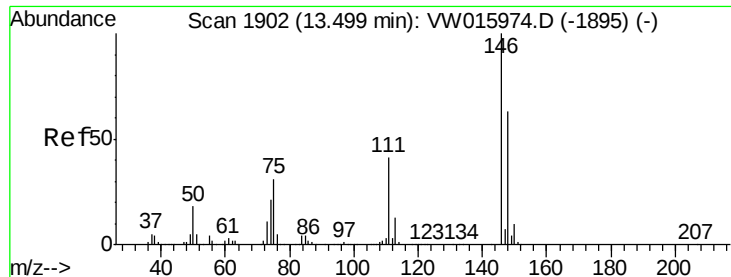
Ion Ratio Lower Upper

173 100

175 47.4 38.7 58.1

254 9.9 7.9 11.9

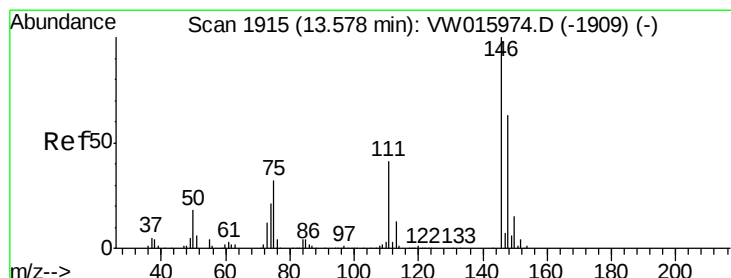
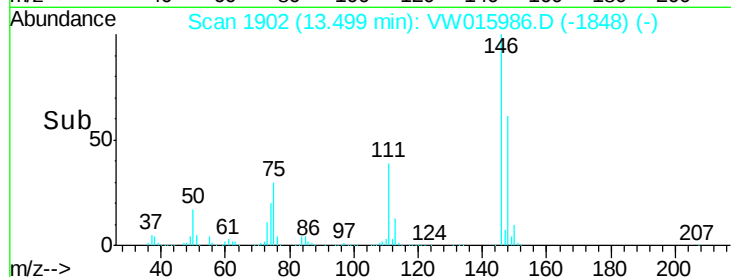
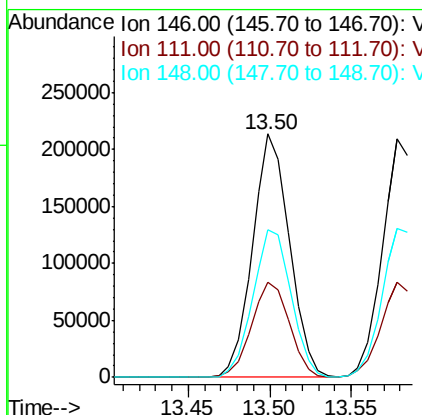
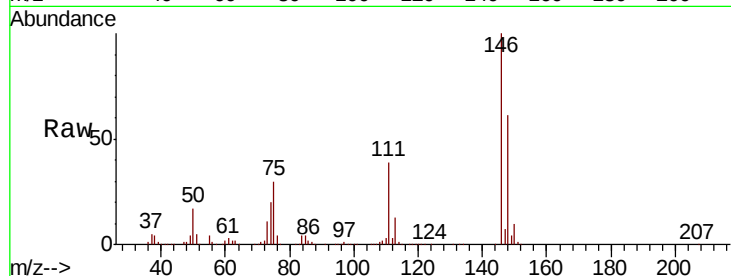




#63
 1,3-Dichlorobenzene
 Concen: 27.564 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

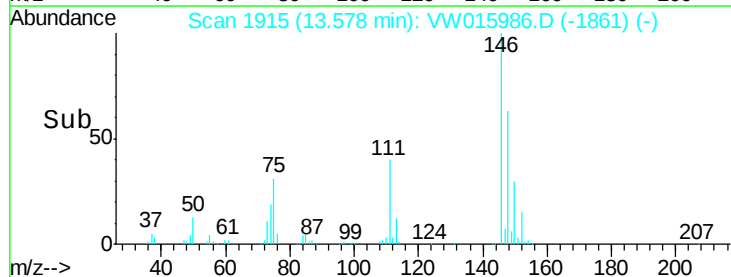
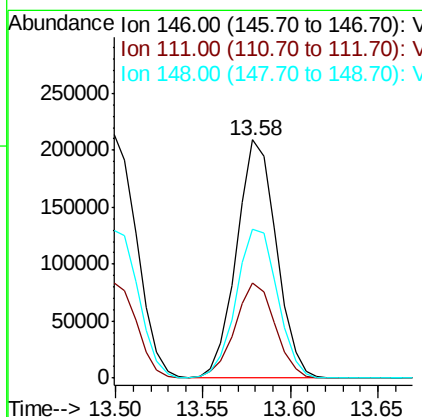
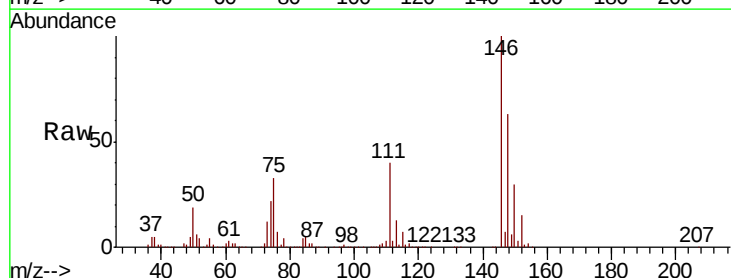
Instrument :
 MSVOA_W
 ClientSampleId :

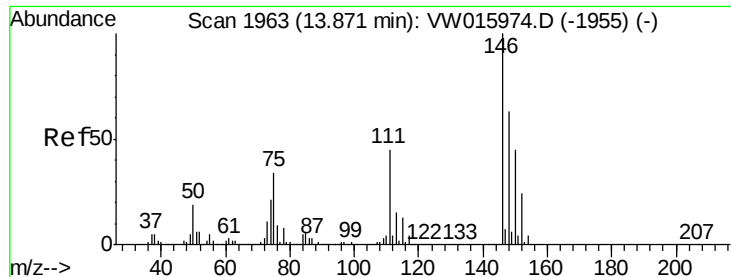
Tot Ion:146 Resp: 336154
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.9 51.7
 148 60.8 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 26.802 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Tgt Ion:146 Resp: 331723
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.3 54.3
 148 62.7 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 27.938 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015986.D

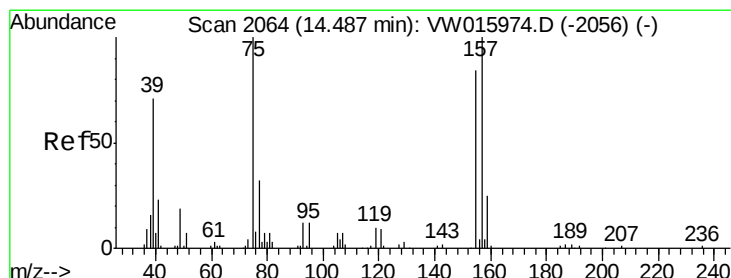
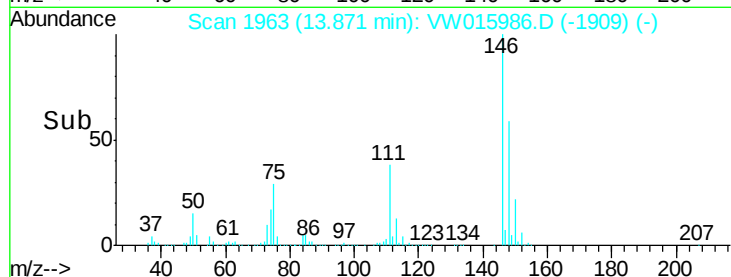
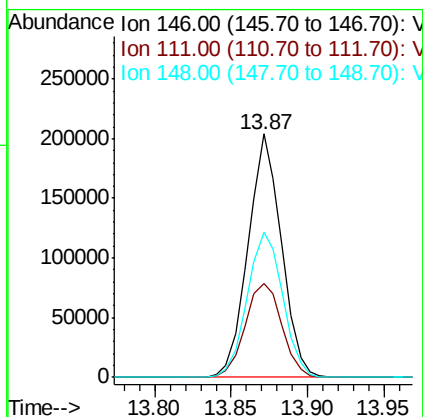
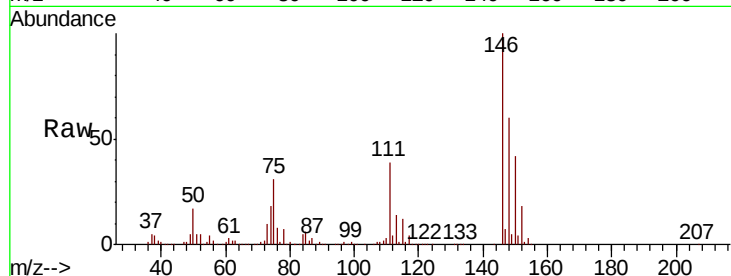
Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	146	Resp:	309475
Ion	Ratio	Lower	Upper
146	100		
111	38.6	32.9	49.3
148	59.5	48.8	73.2



#66

1,2-Dibromo-3-chloropropane

Concen: 29.385 ug/L

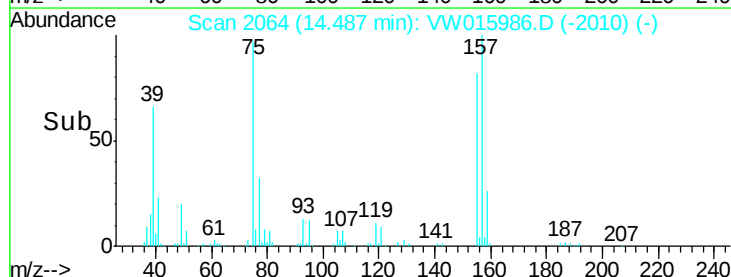
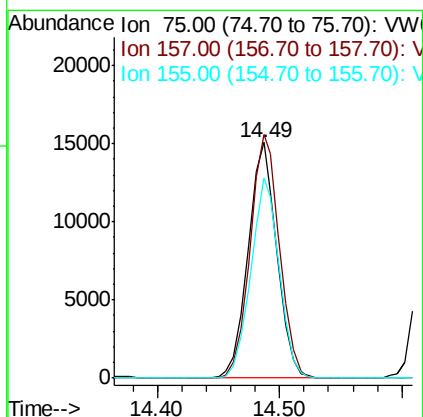
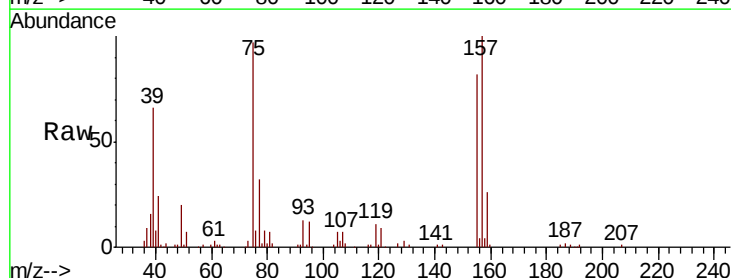
RT: 14.49 min Scan# 2064

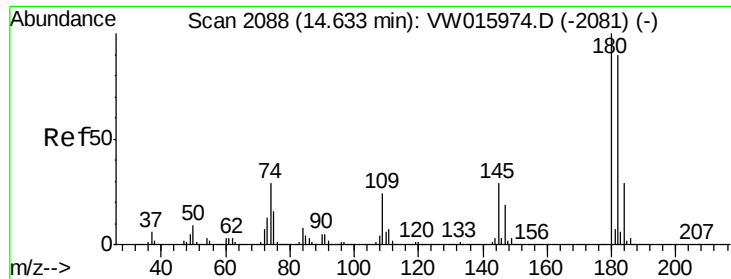
Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Tgt Ion:	75	Resp:	24500
Ion	Ratio	Lower	Upper
75	100		
157	103.4	83.0	124.4
155	84.8	66.9	100.3

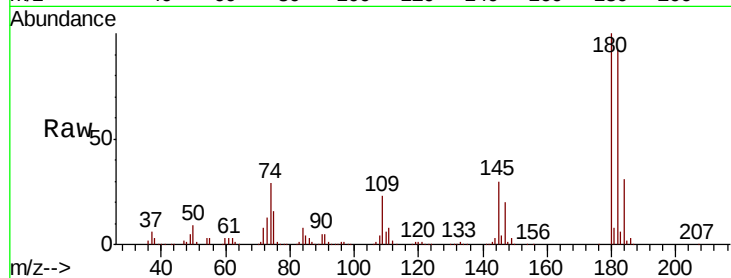




#67
 1,3,5-Trichlorobenzene
 Concen: 27.115 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.4	113.0
184	31.4	24.6	37.0
145	30.3	24.1	36.1



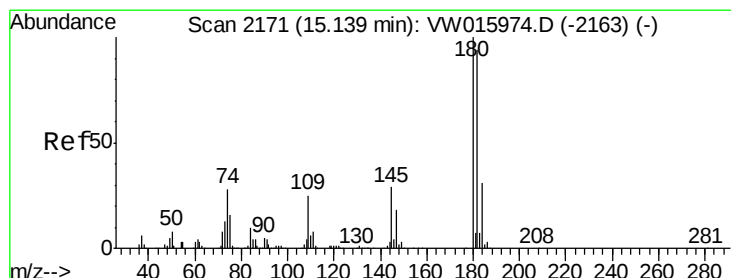
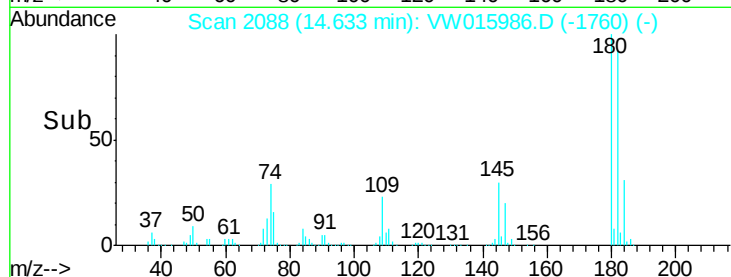
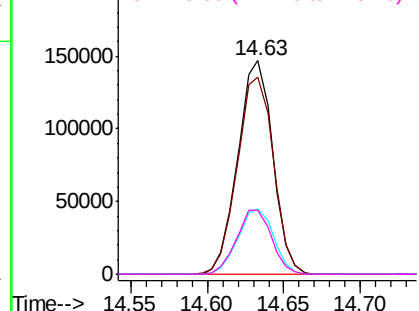
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

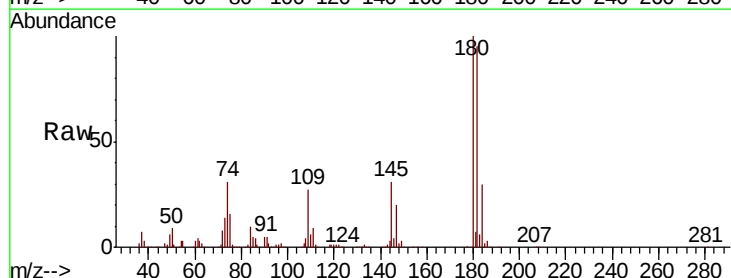
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.604 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015986.D
 Acq: 28 Jul 2020 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
145	30.6	24.3	36.5

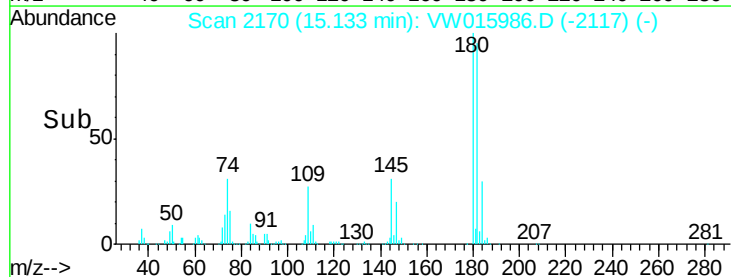
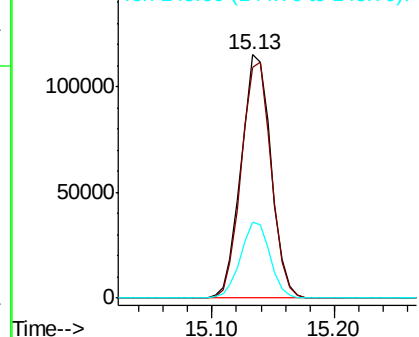


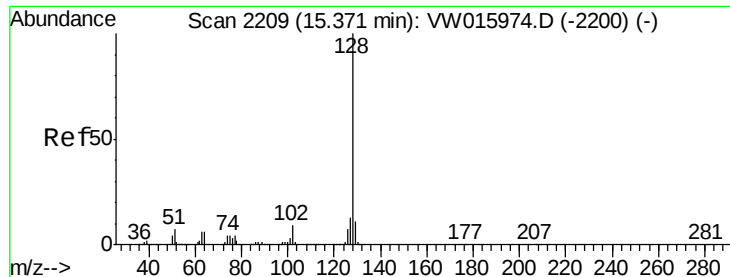
Abundance

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: 30.674 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

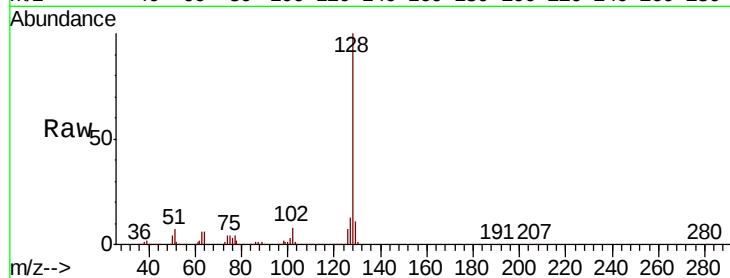
Tot Ion:128 Resp: 393600

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

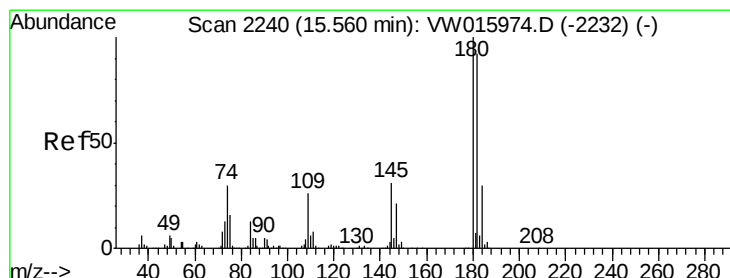
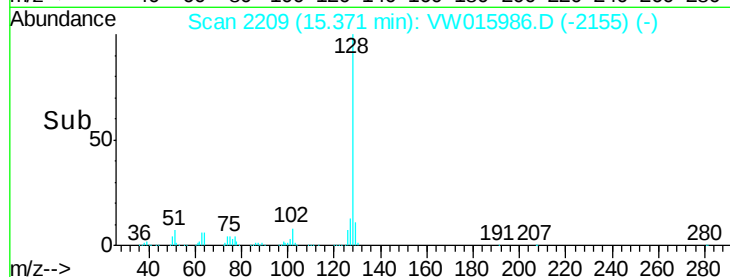
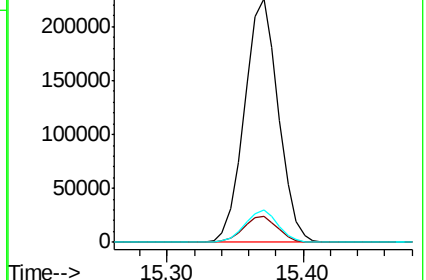
127 13.1 10.5 15.7



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: 28.862 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015986.D

Acq: 28 Jul 2020 16:03

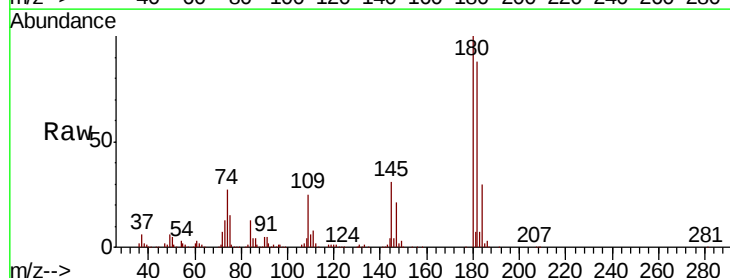
Tgt Ion:180 Resp: 175153

Ion Ratio Lower Upper

180 100

182 92.6 74.0 111.0

145 32.6 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

