

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052820\
 Data File : VW015512.D
 Acq On : 28 May 2020 10:01
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 29 03:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 01:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367416	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335719	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162851	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108840	32.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.32%
7) Chloroethane-d5	2.89	69	105364	31.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.88%
10) 1,1-Dichloroethene-d2	4.01	63	240465	29.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	117.24%#
20) 2-Butanone-d5	7.08	46	62290	56.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.32%
24) Chloroform-d	7.65	84	236886	27.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.52%
26) 1,2-Dichloroethane-d4	8.31	65	131859	27.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.60%
29) Benzene-d6	8.27	84	456252	27.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.84%
33) 1,2-Dichloropropane-d6	9.27	67	137695	27.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.08%
37) Toluene-d8	10.32	98	435148	27.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.72%
38) trans-1,3-Dichloropropene-	10.58	79	61158	26.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.68%
39) 2-Hexanone-d5	10.93	63	51604	59.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107921	28.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	149593	27.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	92749	28.574	ug/L	96
3) Chloromethane	2.22	50	96884	27.114	ug/L	99
5) Vinyl chloride	2.37	62	148850	27.701	ug/L	98
6) Bromomethane	2.79	94	94406	27.030	ug/L	99
8) Chloroethane	2.93	64	91000	27.820	ug/L	98
9) Trichlorofluoromethane	3.26	101	106720	27.908	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	122556	27.022	ug/L	100
12) 1,1-Dichloroethene	4.04	96	119651	27.311	ug/L	94
13) Acetone	4.12	43	56300	66.249	ug/L	100
14) Carbon disulfide	4.38	76	382078	26.142	ug/L	99
15) Methyl Acetate	4.67	43	51053	27.768	ug/L	99
16) Methylene chloride	4.91	84	119438	26.487	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	183351	26.372	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	128476	27.364	ug/L	99
19) 1,1-Dichloroethane	6.21	63	227763	26.970	ug/L	99
21) 2-Butanone	7.17	43	72449	55.496	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	130282	26.600	ug/L	97

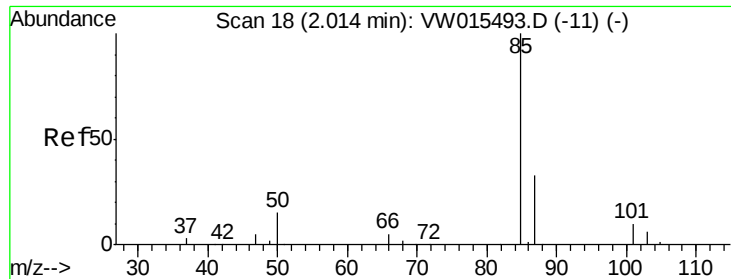
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052820\
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 Quant Title : VOC Analysis
 QLast Update : Thu May 28 01:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56328	26.670	ug/L	94
25) Chloroform	7.68	83	229371	26.974	ug/L	98
27) 1,2-Dichloroethane	8.40	62	158805	27.606	ug/L	98
30) Cyclohexane	7.96	56	219464	26.446	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	201566	26.838	ug/L	100
32) Carbon tetrachloride	8.07	117	182852	26.544	ug/L	98
34) Benzene	8.32	78	509191	27.121	ug/L	100
35) Trichloroethene	9.09	95	136617	27.090	ug/L	99
36) Methylcyclohexane	9.34	83	240002	26.684	ug/L	99
40) 1,2-Dichloropropane	9.37	63	124347	26.895	ug/L	100
41) Bromodichloromethane	9.65	83	162645	26.333	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	199332	26.942	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	151985	56.080	ug/L	99
44) Toluene	10.39	91	556436	27.204	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	174982	27.177	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89948	27.808	ug/L	97
47) Tetrachloroethene	10.86	164	107974	27.010	ug/L	99
49) 2-Hexanone	10.97	43	108996	59.583	ug/L	99
50) Dibromochloromethane	11.13	129	107508	27.357	ug/L	94
51) 1,2-Dibromoethane	11.24	107	85931	27.673	ug/L	98
52) Chlorobenzene	11.66	112	346846	27.034	ug/L	99
53) Ethylbenzene	11.73	91	635222	27.046	ug/L	100
54) m,p-Xylene	11.84	106	242884	27.559	ug/L	99
55) o-xylene	12.16	106	228299	27.290	ug/L	98
56) Styrene	12.18	104	391905	27.417	ug/L	99
57) Isopropylbenzene	12.46	105	638698	27.407	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	106523	28.446	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	79256	27.913	ug/L	100
62) Bromoform	12.35	173	59745	26.331	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	270970	27.192	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	263849	27.022	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	238318	27.520	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	17956	27.333	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	190440	27.603	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	157053	28.264	ug/L	100
69) Naphthalene	15.36	128	291130	28.855	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	135478	28.659	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 28.574 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

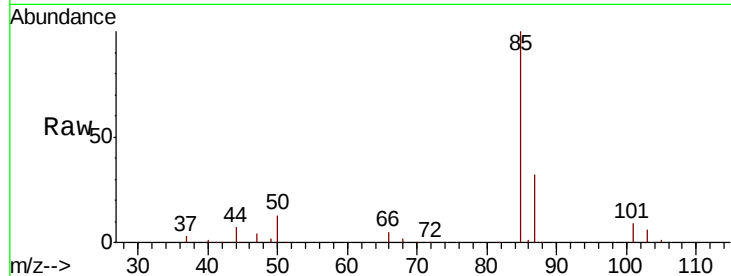
ClientSampleId :

Tot Ion: 85 Resp: 92749

Ion Ratio Lower Upper

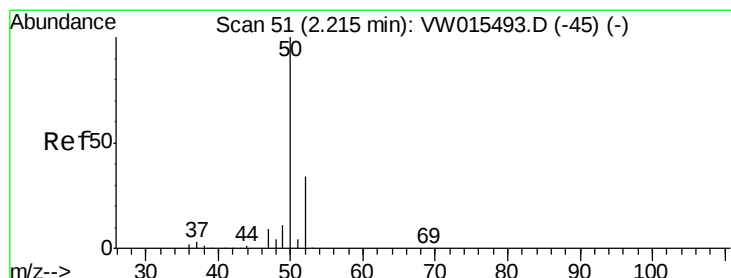
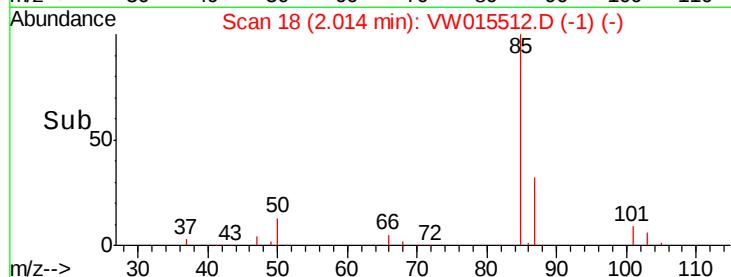
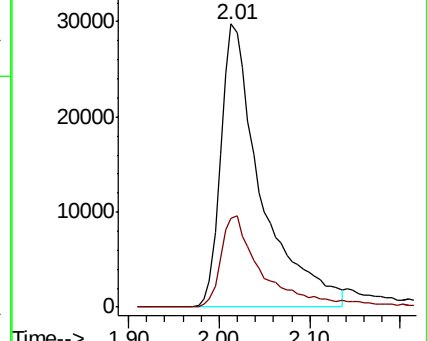
85 100

87 32.3 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.114 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015512.D

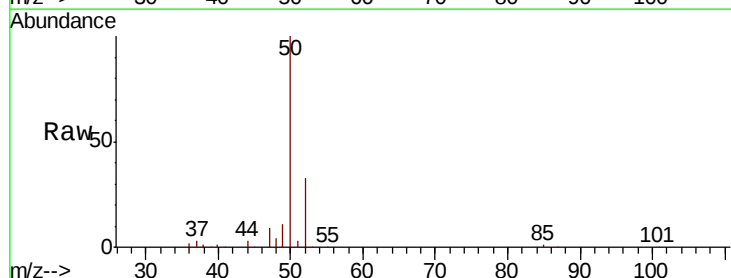
Acq: 28 May 2020 10:01

Tgt Ion: 50 Resp: 96884

Ion Ratio Lower Upper

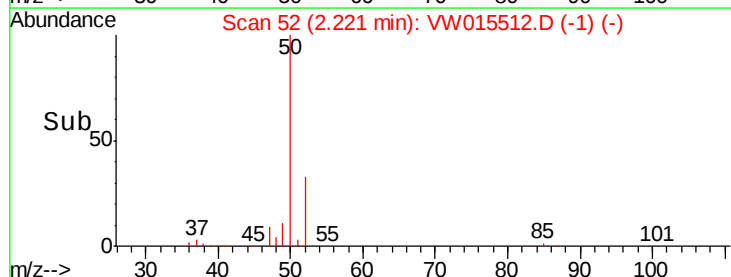
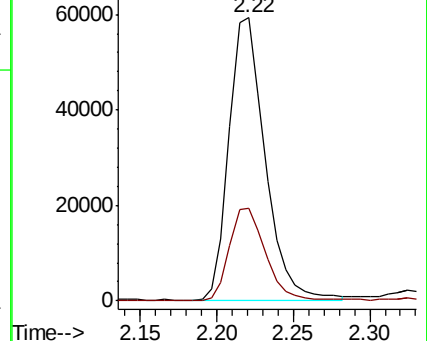
50 100

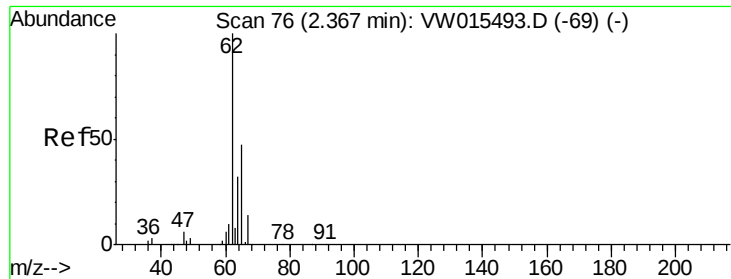
52 32.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.701 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

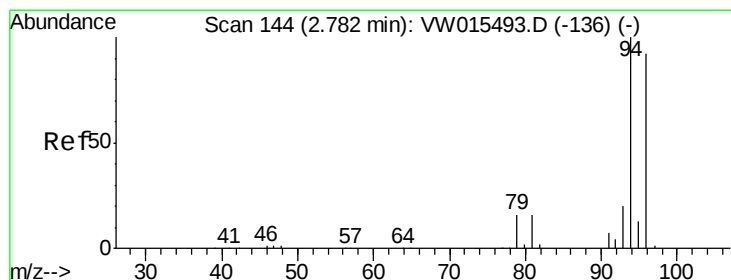
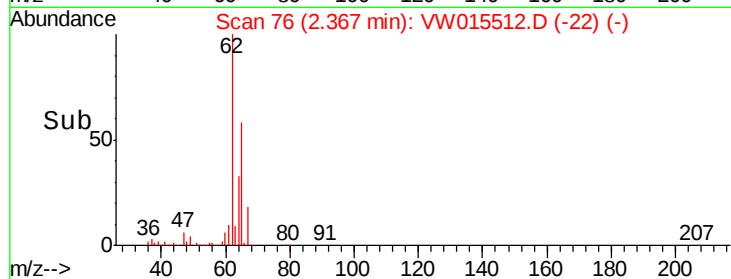
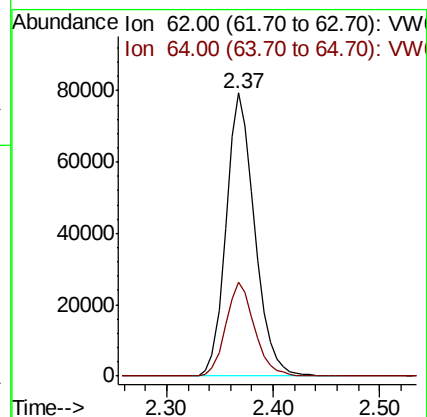
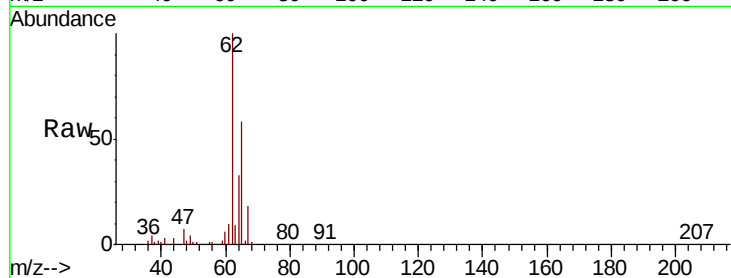
ClientSampled :

Tot Ion: 62 Resp: 148850

Ion Ratio Lower Upper

62 100

64 33.3 22.6 42.0



#6

Bromomethane

Concen: 27.030 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW015512.D

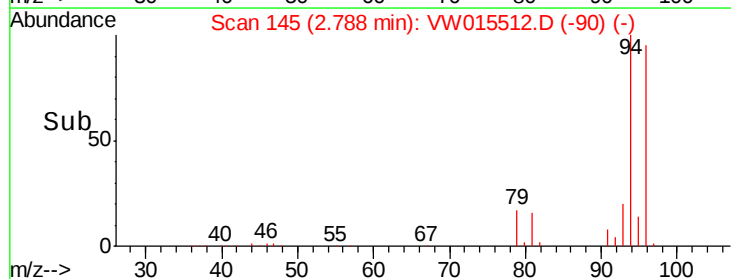
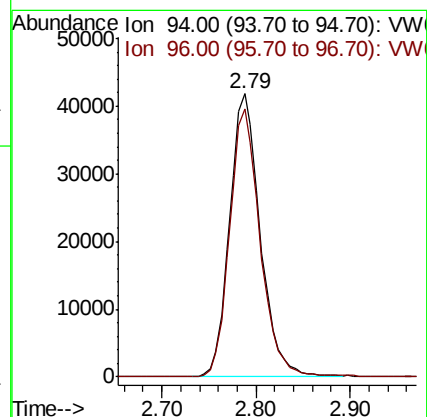
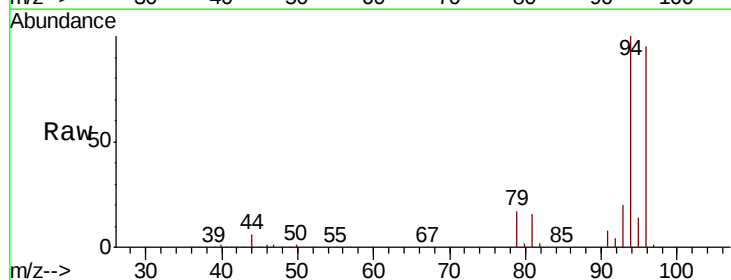
Acq: 28 May 2020 10:01

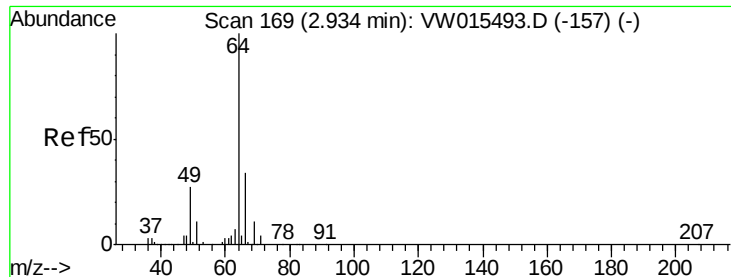
Tgt Ion: 94 Resp: 94406

Ion Ratio Lower Upper

94 100

96 94.1 9.3 177.5

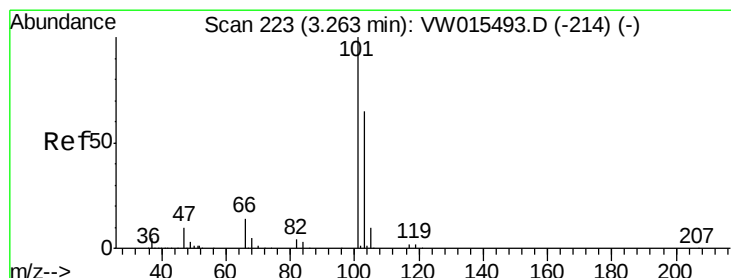
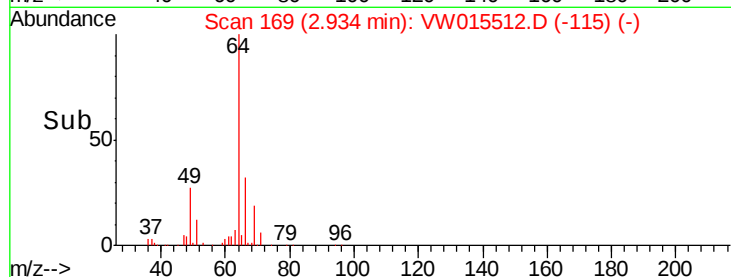
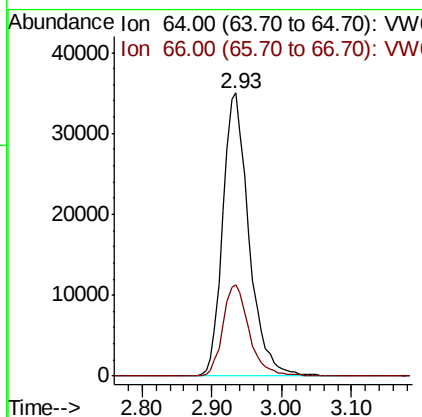
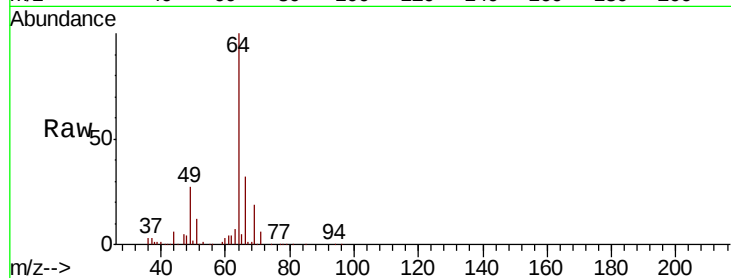




#8
Chloroethane
Concen: 27.820 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

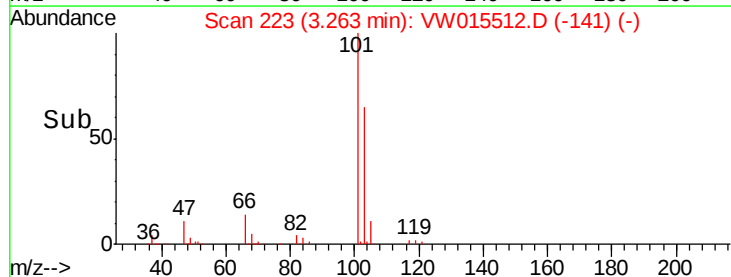
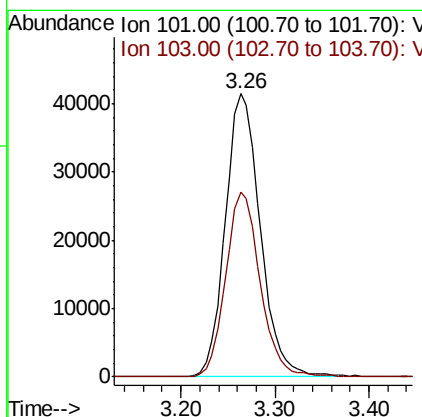
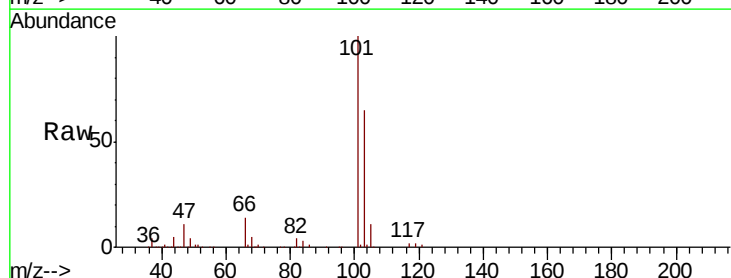
Instrument :
MSVOA_W
ClientSampleId :

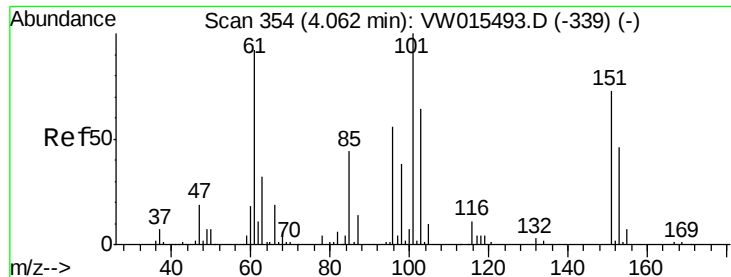
Tot Ion: 64 Resp: 91000
Ion Ratio Lower Upper
64 100
66 32.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 27.908 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Tgt Ion:101 Resp: 106720
Ion Ratio Lower Upper
101 100
103 64.4 46.6 86.6





#11

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

Concen: 27.022 ug/L

RT: 4.07 min Scan# 355

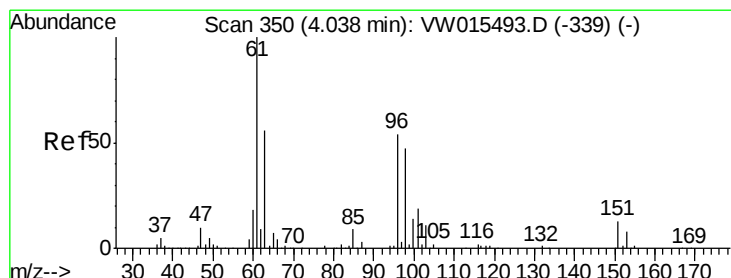
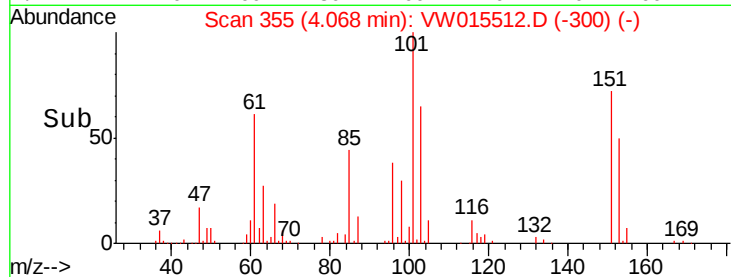
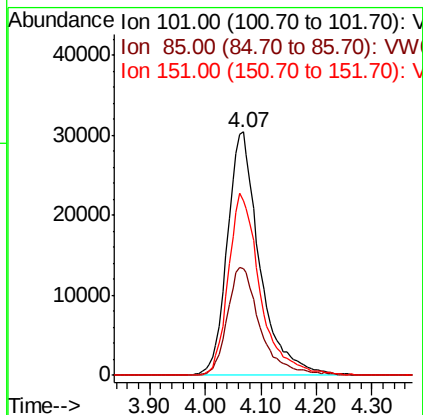
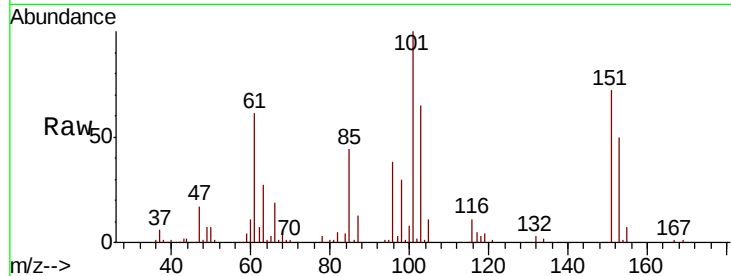
Delta R.T. 0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	101	Resp:	122556
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.1	52.7
151	73.7	58.6	87.8



#12

1,1-Dichloroethene

Concen: 27.311 ug/L

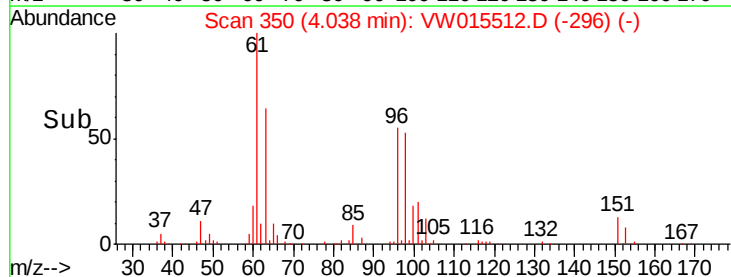
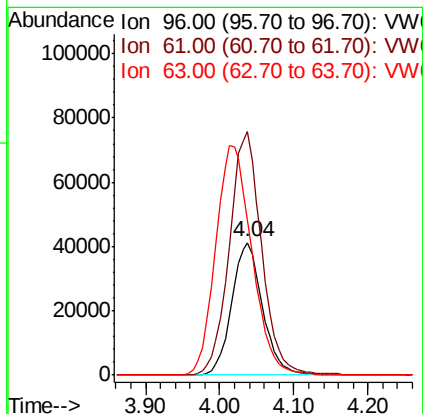
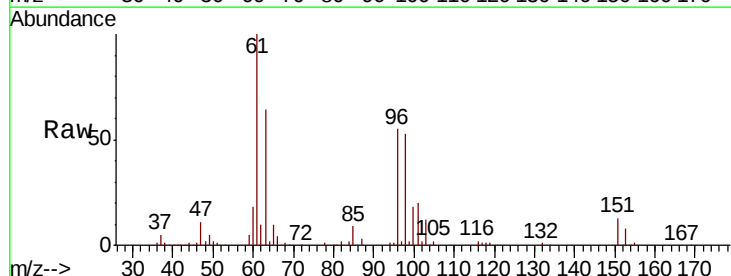
RT: 4.04 min Scan# 350

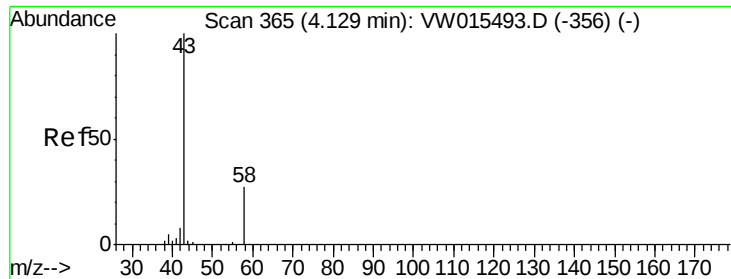
Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Tgt Ion:	96	Resp:	119651
Ion	Ratio	Lower	Upper
96	100		
61	183.3	127.7	237.1
63	116.9	92.3	171.5





#13

Acetone

Concen: 66.249 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

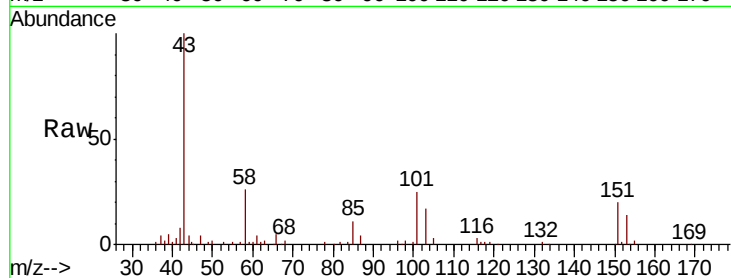
ClientSampleId :

Tot Ion: 43 Resp: 56300

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

15000

10000

5000

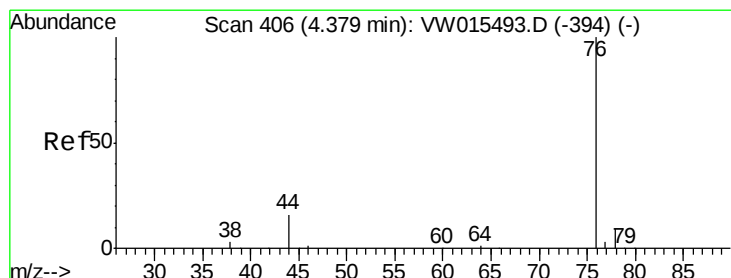
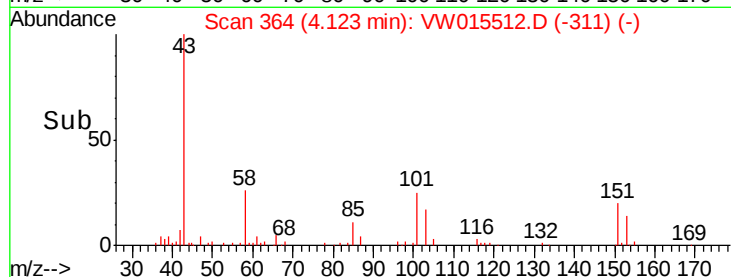
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Time-->

4.00

4.10

4.20



#14

Carbon disulfide

Concen: 26.142 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015512.D

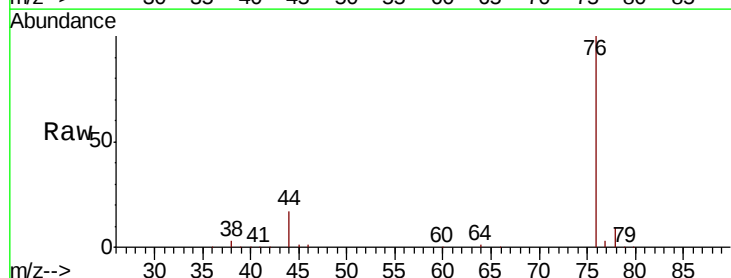
Acq: 28 May 2020 10:01

Tgt Ion: 76 Resp: 382078

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

150000

100000

50000

0

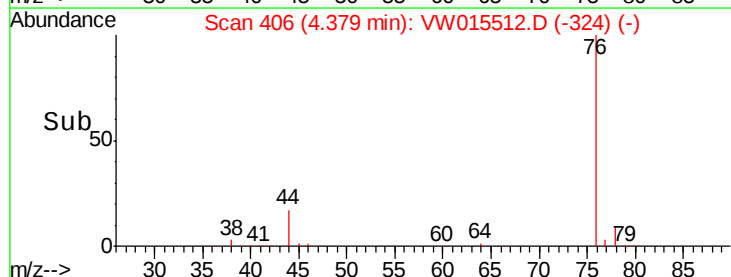
Time-->

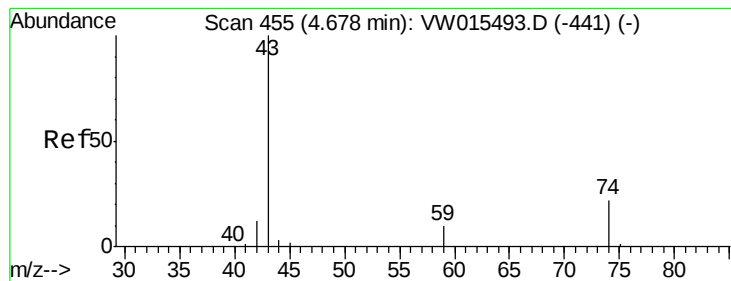
4.20

4.30

4.40

4.50





#15

Methvl Acetate

Concen: 27.768 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

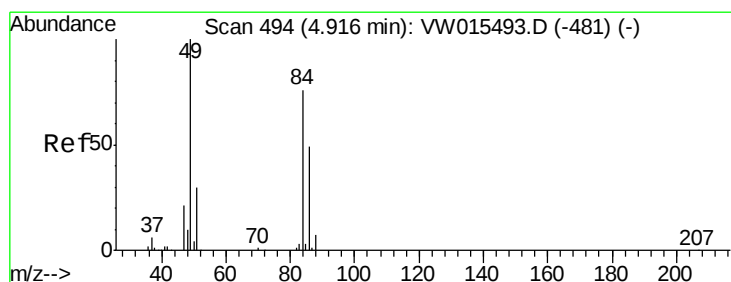
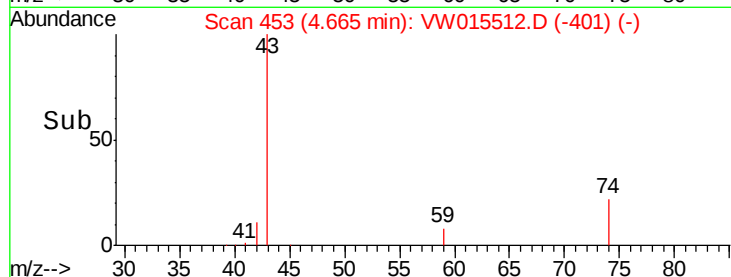
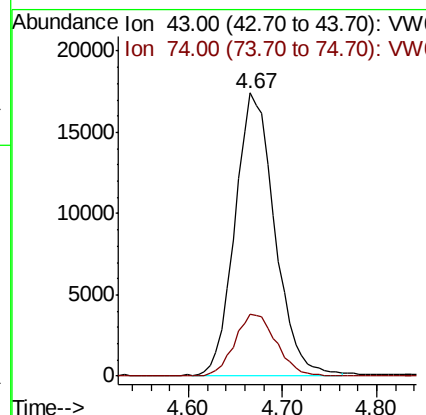
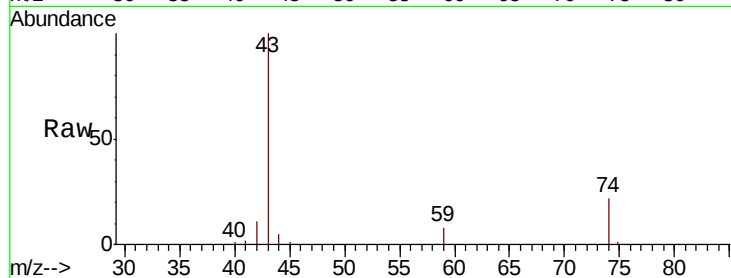
ClientSampleId :

Tot Ion: 43 Resp: 51053

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.2



#16

Methylene chloride

Concen: 26.487 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

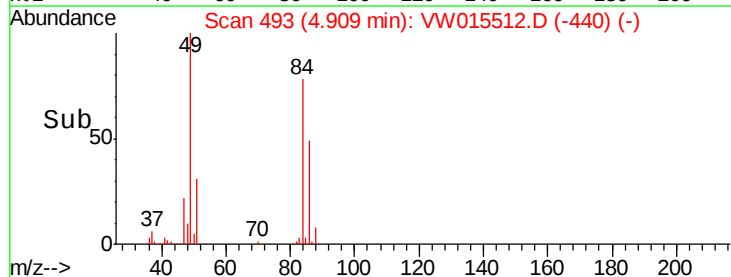
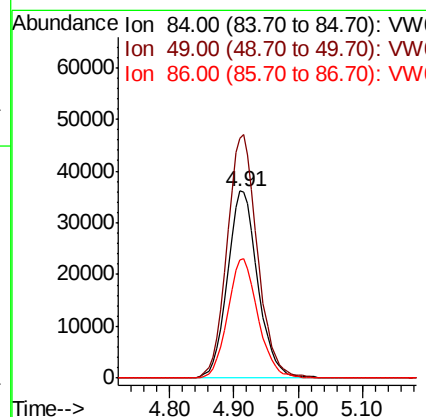
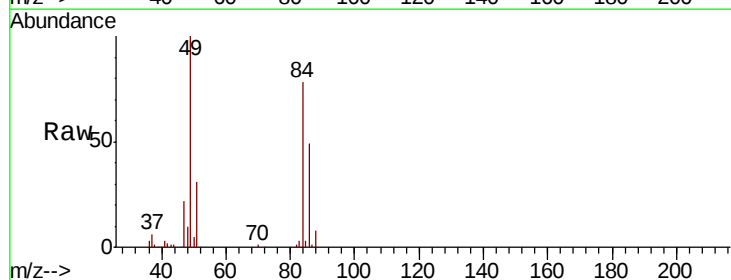
Tgt Ion: 84 Resp: 119438

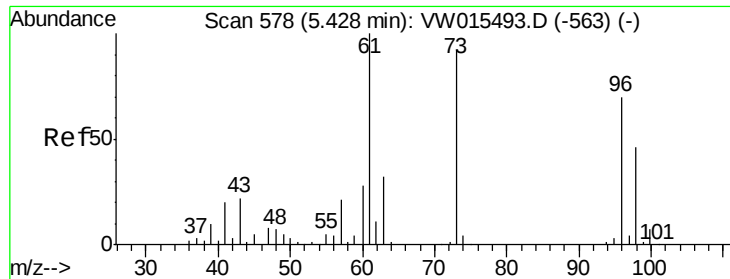
Ion Ratio Lower Upper

84 100

49 128.6 93.0 172.8

86 63.6 44.7 83.1

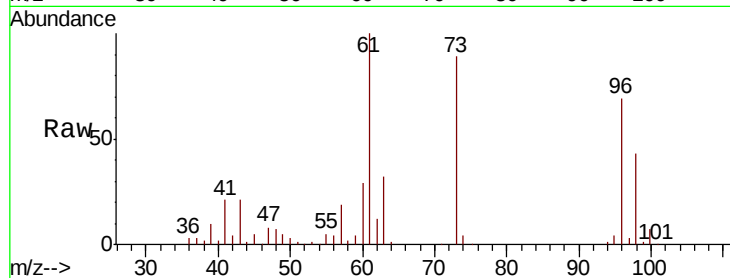




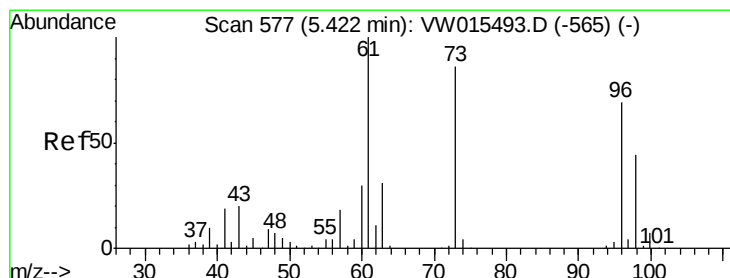
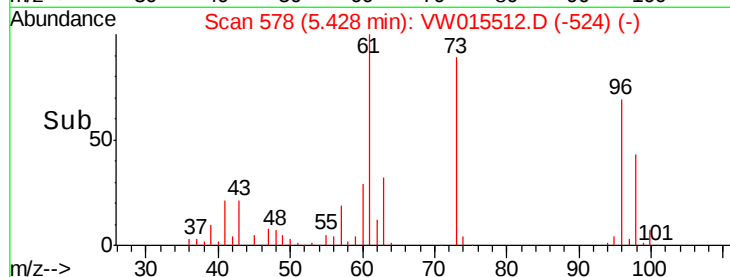
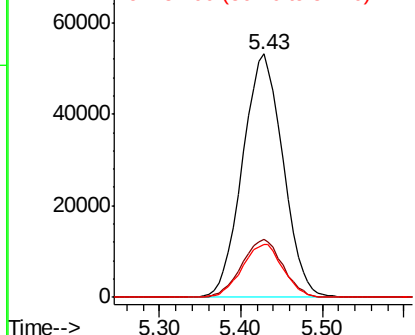
#17
Methvl tert-butvl Ether
Concen: 26.372 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 183351
Ion Ratio Lower Upper
73 100
43 24.1 19.6 29.4
57 22.0 17.7 26.5

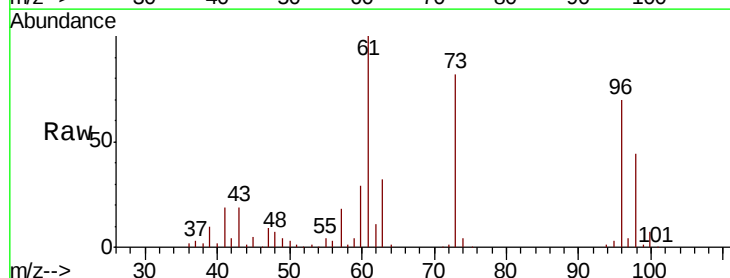


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

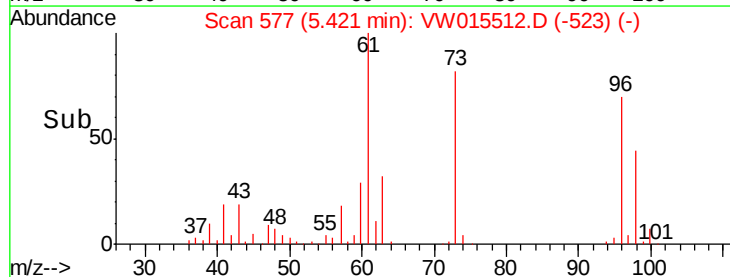
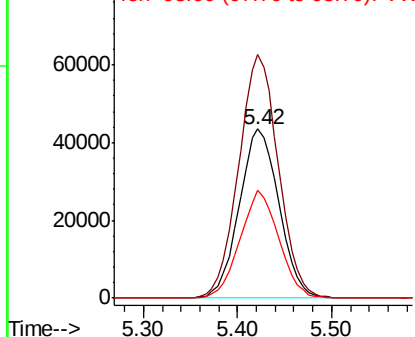


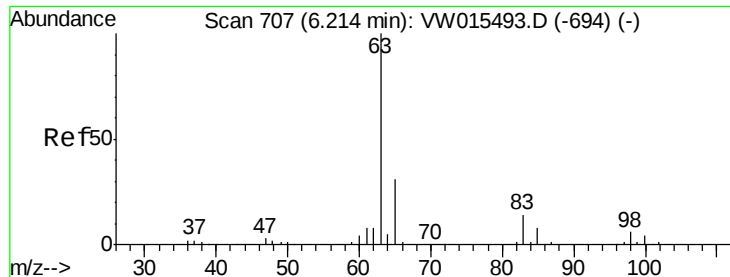
#18
trans-1,2-Dichloroethene
Concen: 27.364 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Tgt Ion: 96 Resp: 128476
Ion Ratio Lower Upper
96 100
61 143.8 101.9 189.3
98 63.9 44.9 83.5



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

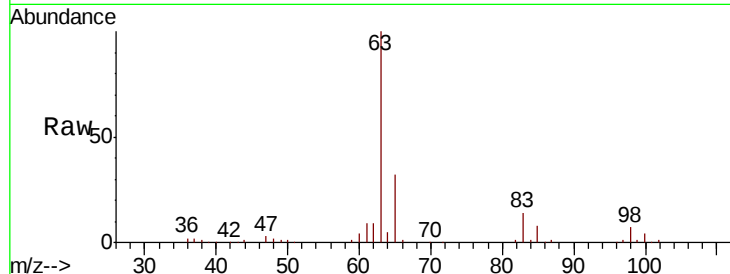




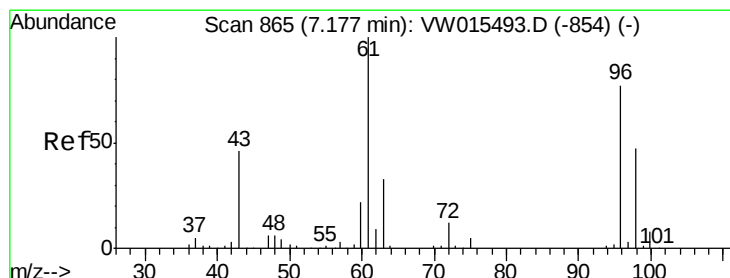
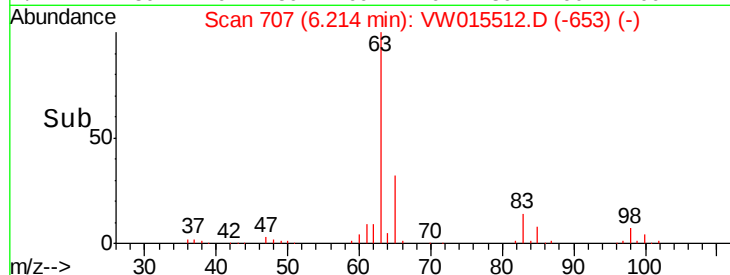
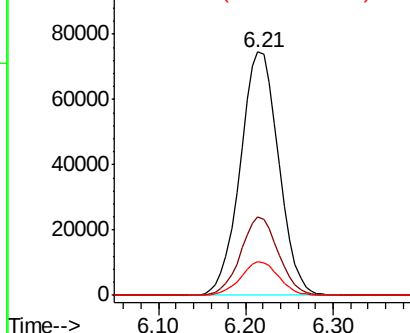
#19
 1,1-Dichloroethane
 Concen: 26.970 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 63 Resp: 227763
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.1 41.1
 83 14.0 9.7 17.9

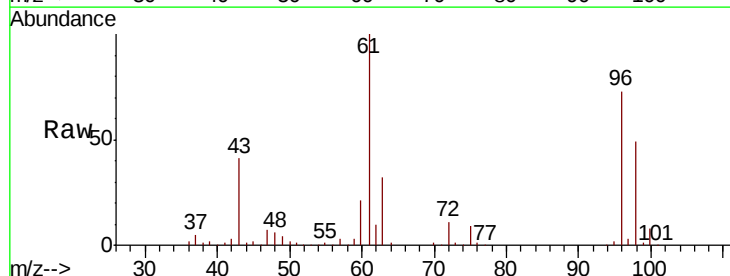


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

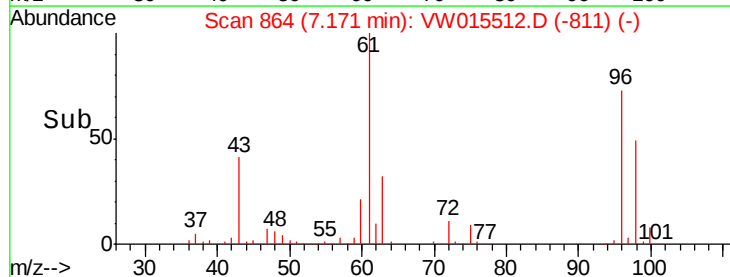
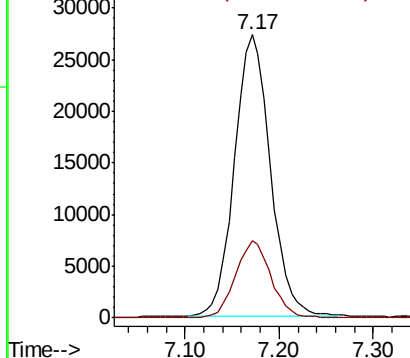


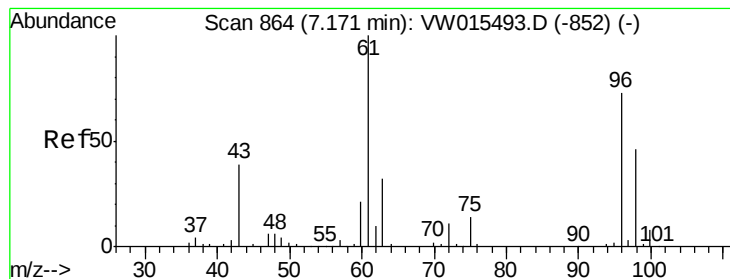
#21
 2-Butanone
 Concen: 55.496 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Tgt Ion: 43 Resp: 72449
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.3 39.9



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



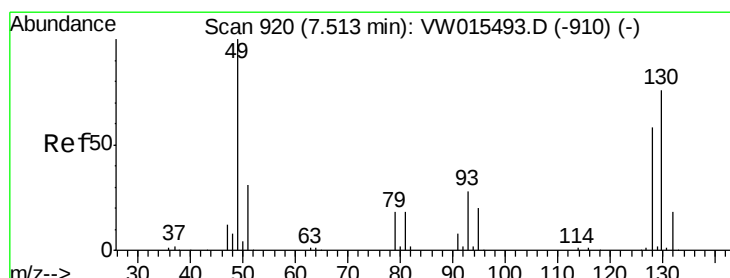
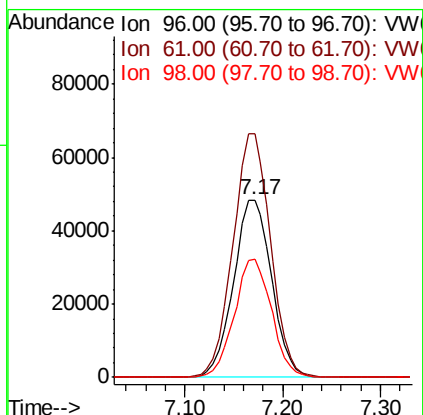
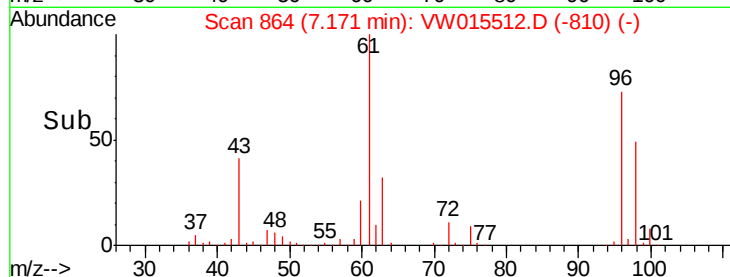
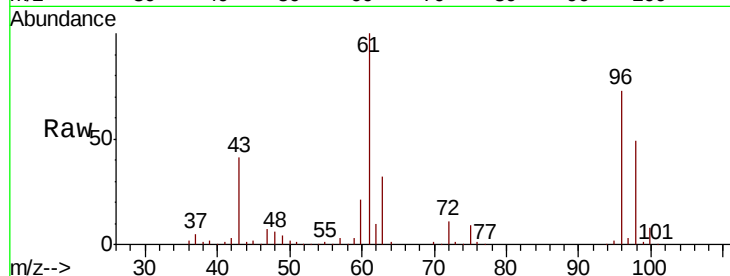


#22

cis-1,2-Dichloroethene
Concen: 26.600 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Instrument :
MSVOA_W
ClientSampled :

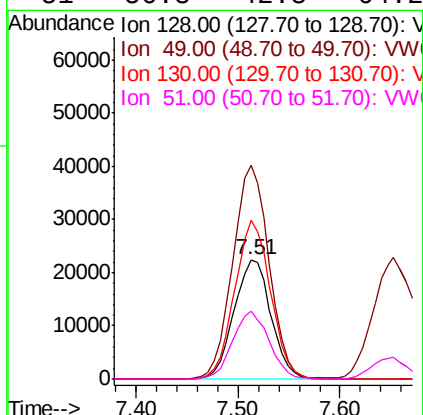
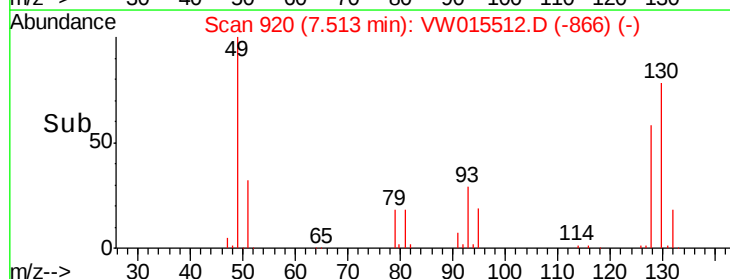
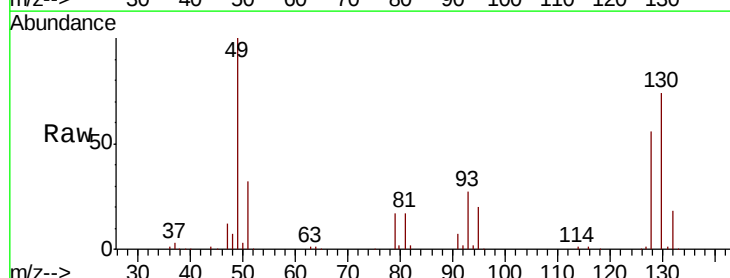
Tot Ion: 96 Resp: 130282
Ion Ratio Lower Upper
96 100
61 137.5 93.7 173.9
98 66.8 45.1 83.9

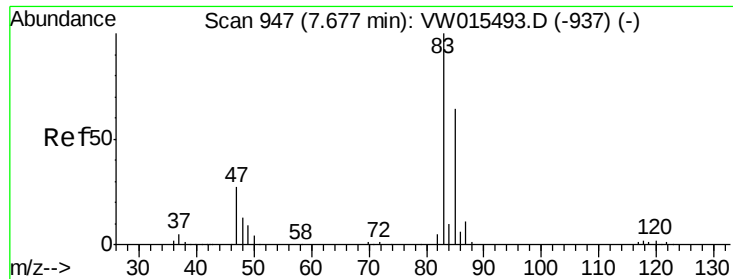


#23

Bromochloromethane
Concen: 26.670 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Tgt Ion: 128 Resp: 56328
Ion Ratio Lower Upper
128 100
49 178.5 118.1 219.3
130 132.7 88.5 164.3
51 56.8 42.8 64.2

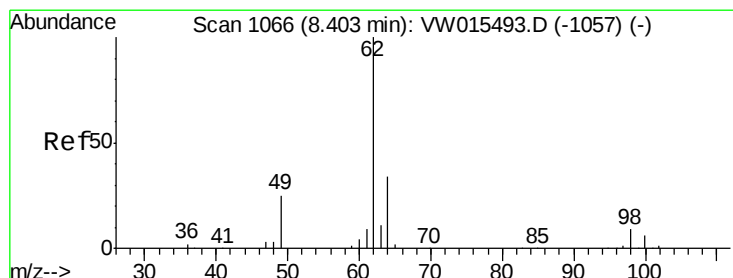
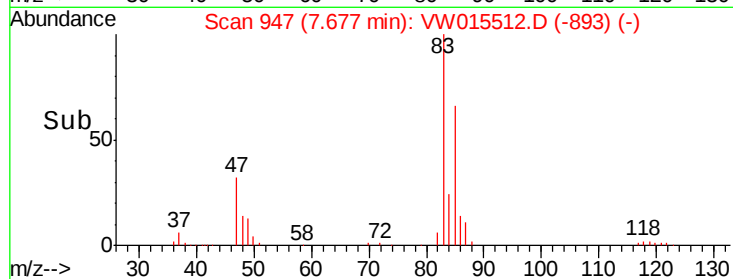
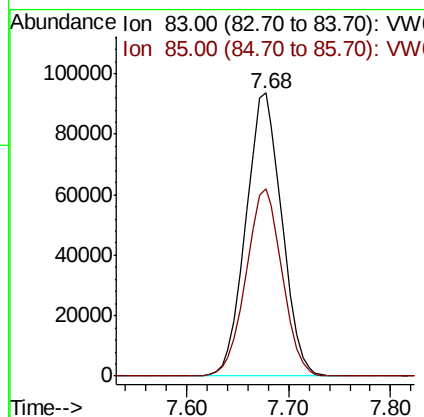
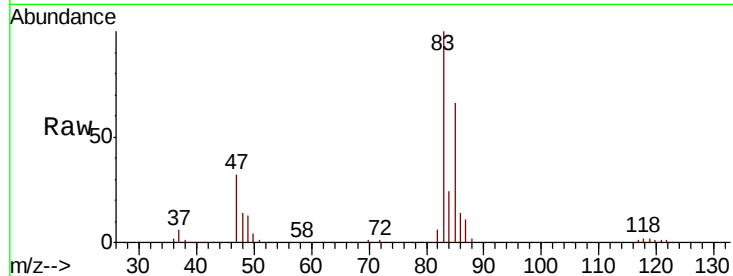




#25
Chloroform
Concen: 26.974 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

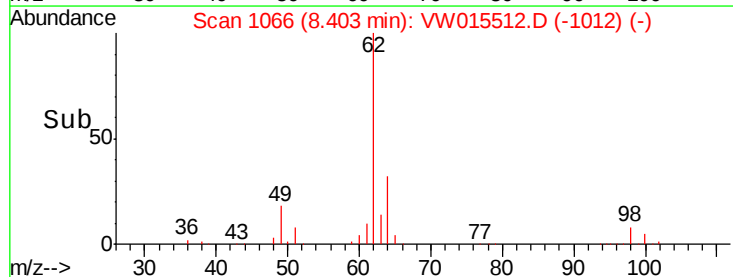
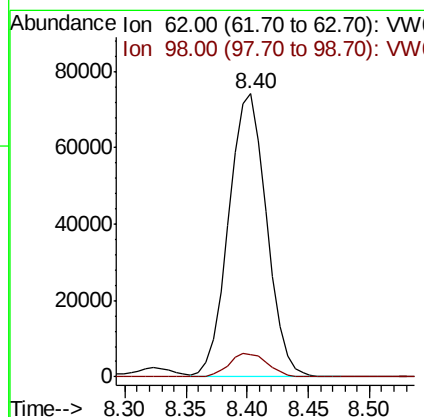
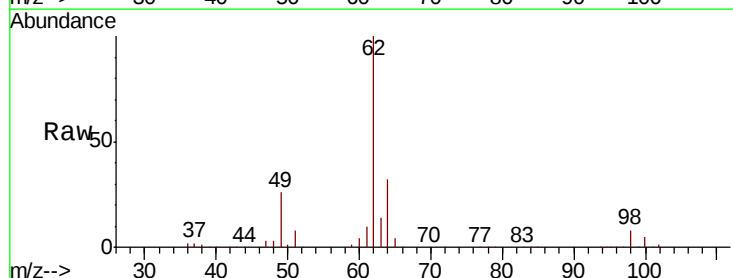
Instrument :
MSVOA_W
ClientSampled :

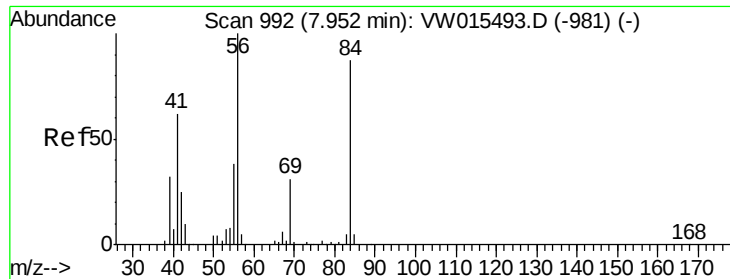
Tot Ion: 83 Resp: 229371
Ion Ratio Lower Upper
83 100
85 66.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.606 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Tgt Ion: 62 Resp: 158805
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.4

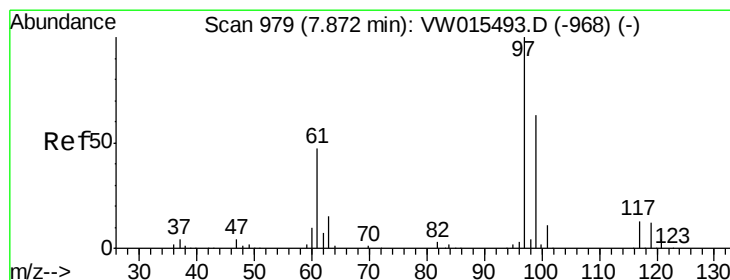
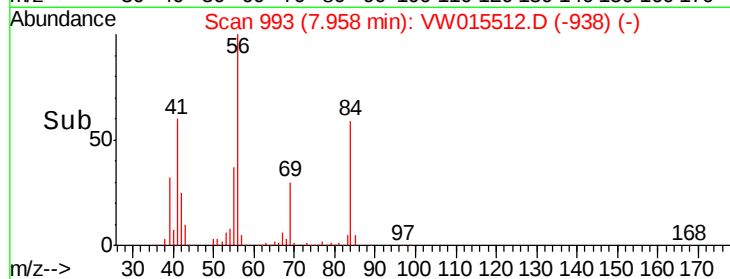
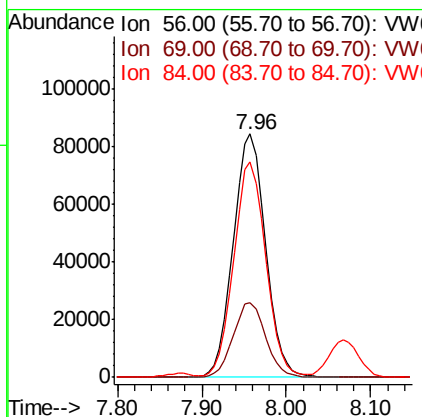
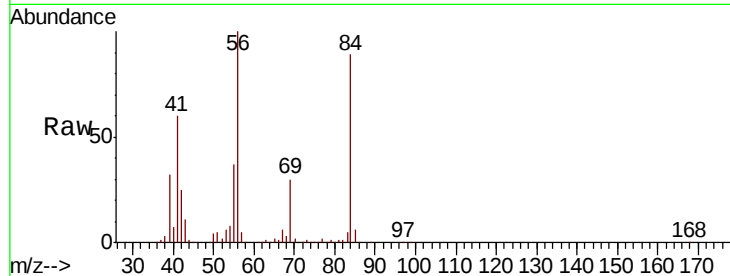




#30
Cyclohexane
Concen: 26.446 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

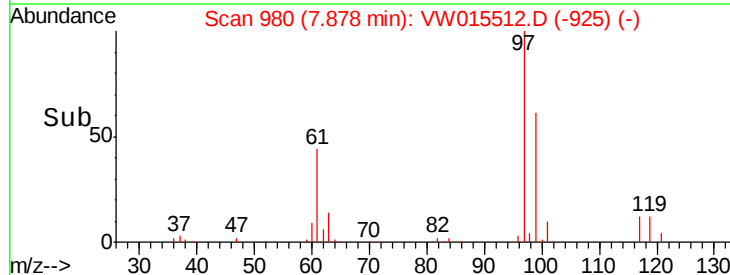
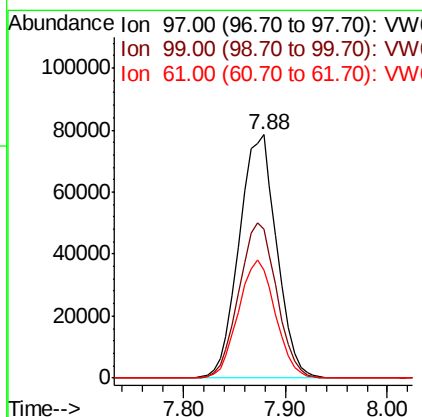
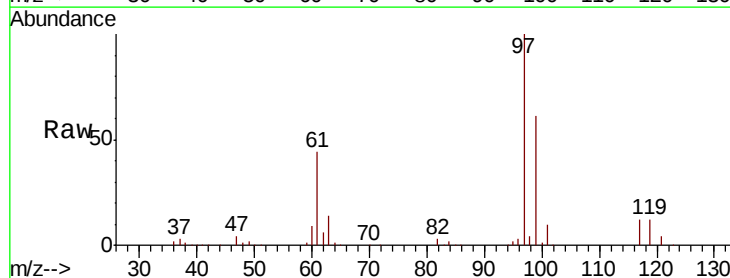
Instrument :
MSVOA_W
ClientSampled :

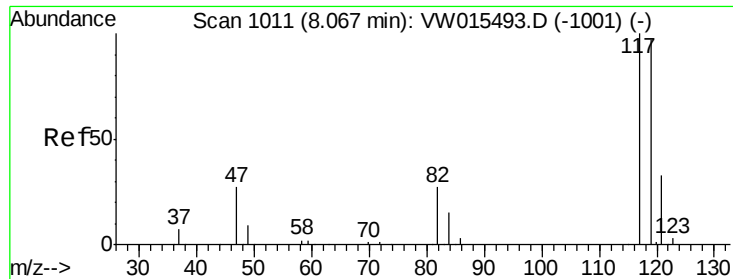
Tot Ion: 56 Resp: 219464
Ion Ratio Lower Upper
56 100
69 30.6 24.6 37.0
84 88.1 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 26.838 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Tgt Ion: 97 Resp: 201566
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 47.7 38.1 57.1





#32

Carbon tetrachloride

Concen: 26.544 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

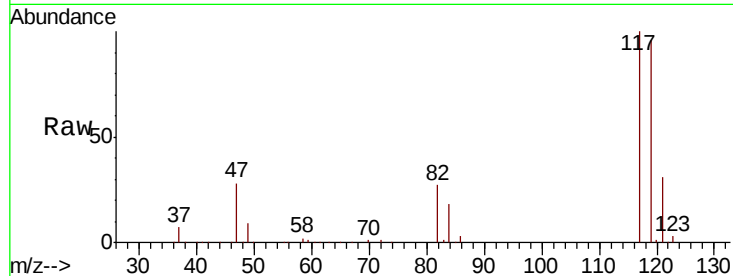
ClientSampleId :

Tot Ion:117 Resp: 182852

Ion Ratio Lower Upper

117 100

119 97.0 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

80000

60000

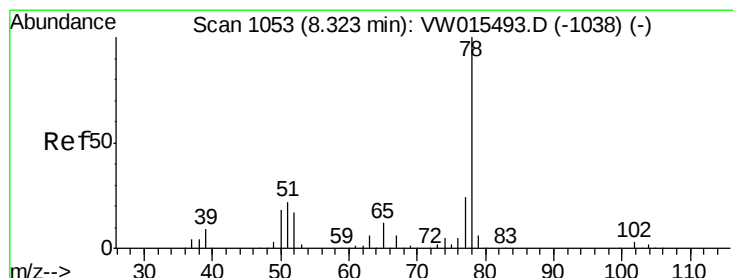
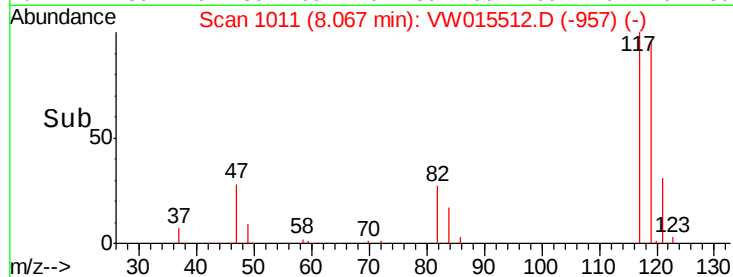
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 27.121 ug/L

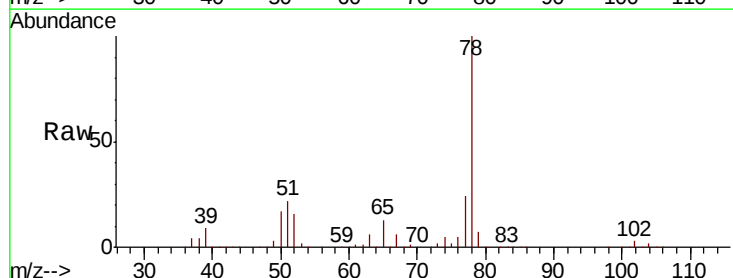
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Tgt Ion: 78 Resp: 509191



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

150000

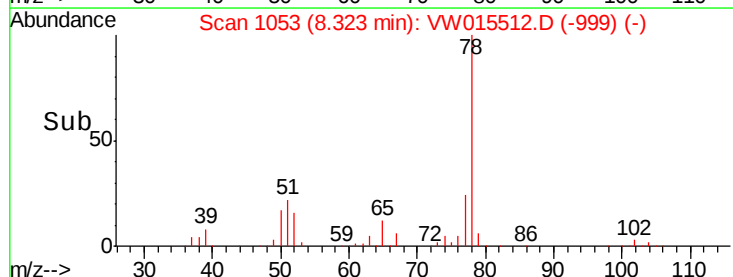
100000

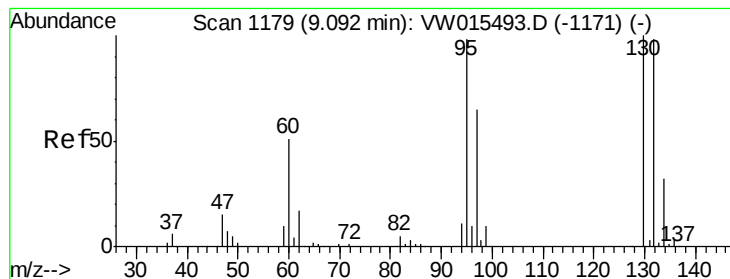
50000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 27.090 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 136617

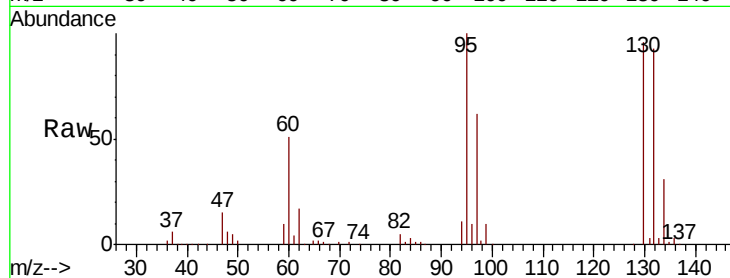
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.2

132 94.9 67.1 124.7

130 98.3 69.4 128.8

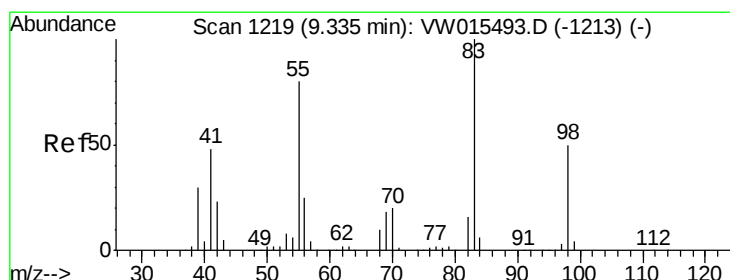
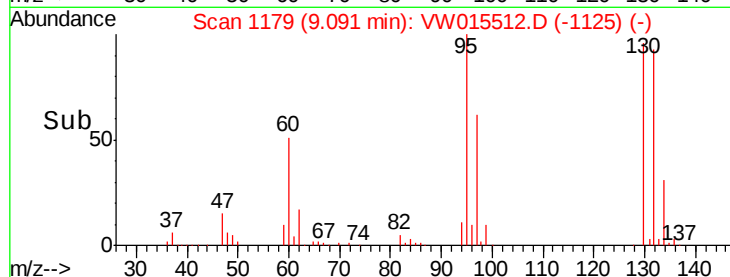
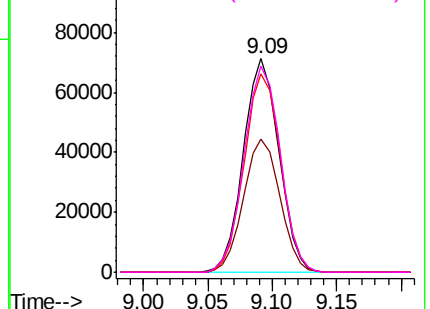


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.684 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

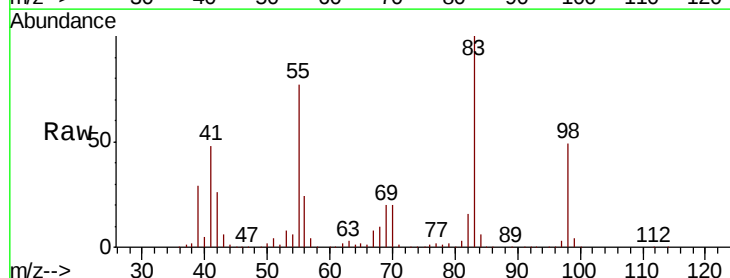
Tgt Ion: 83 Resp: 240002

Ion Ratio Lower Upper

83 100

55 79.1 62.8 94.2

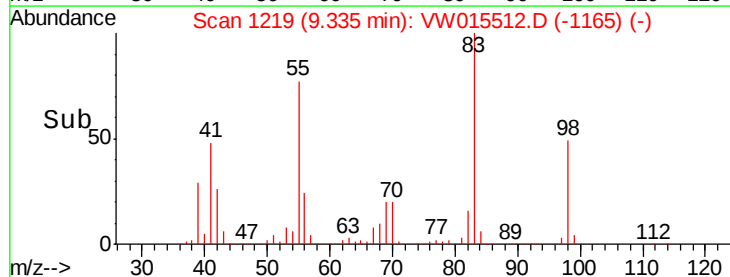
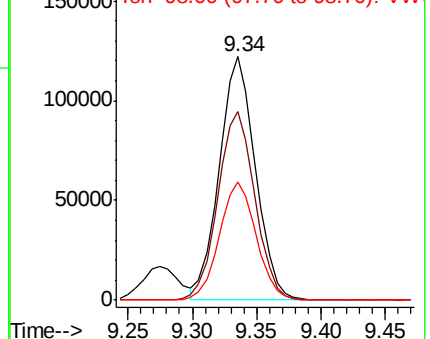
98 49.4 39.2 58.8

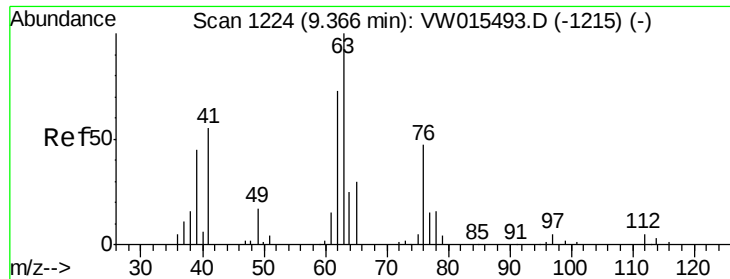


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.895 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

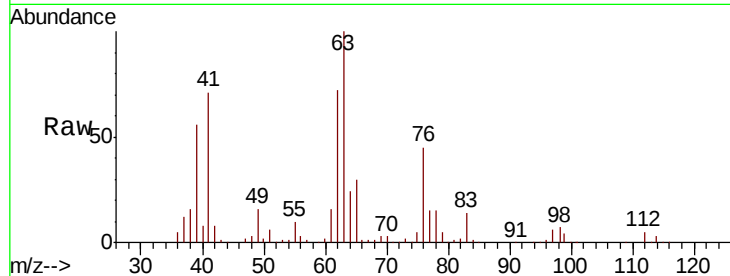
ClientSampleId :

Tot Ion: 63 Resp: 124347

Ion Ratio Lower Upper

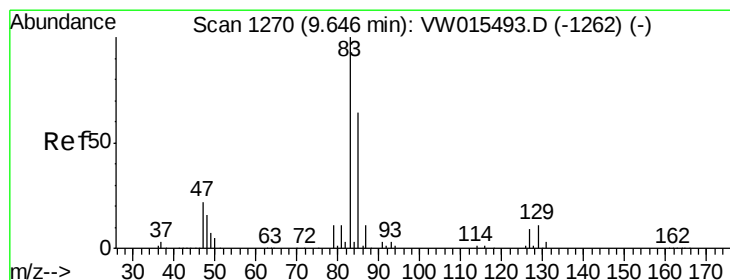
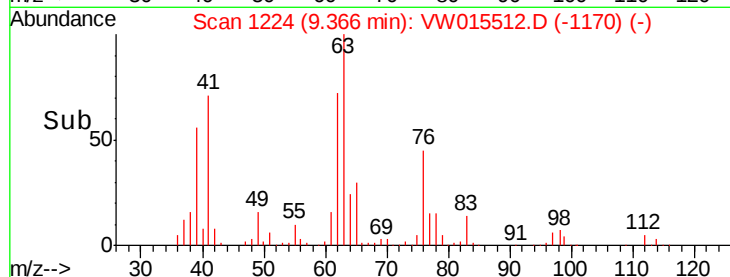
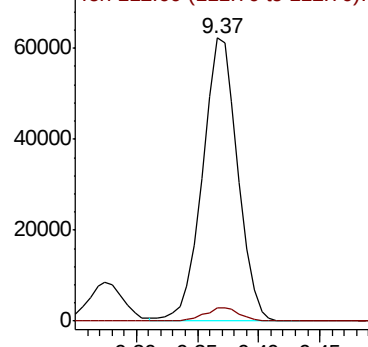
63 100

112 4.6 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.333 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

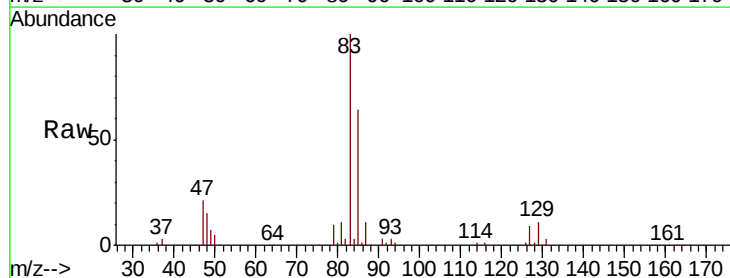
Tgt Ion: 83 Resp: 162645

Ion Ratio Lower Upper

83 100

85 63.9 44.8 83.2

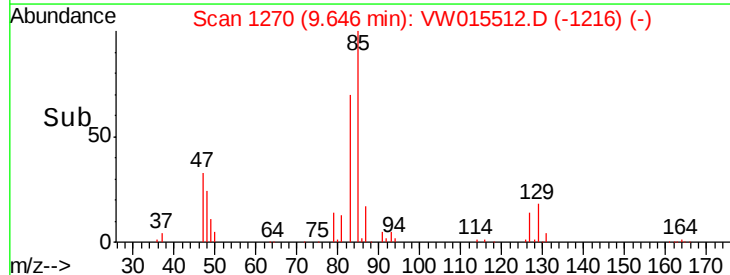
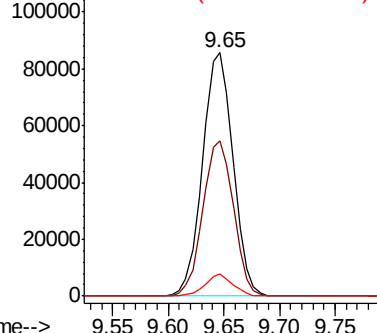
127 9.1 7.0 10.6

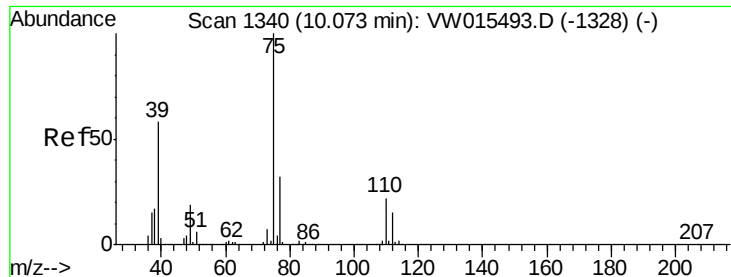


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.942 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

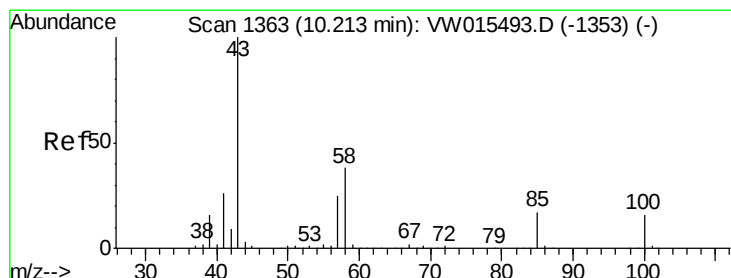
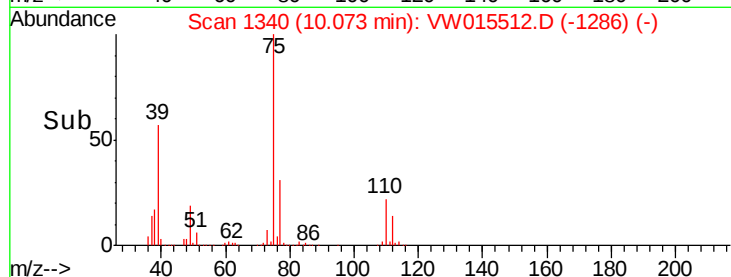
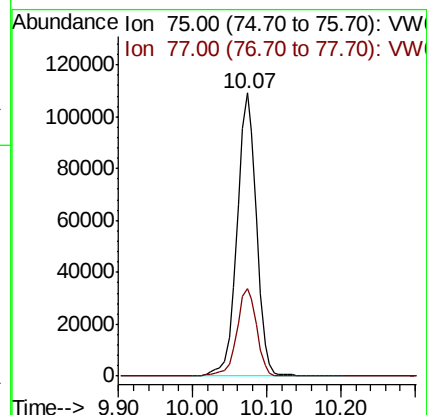
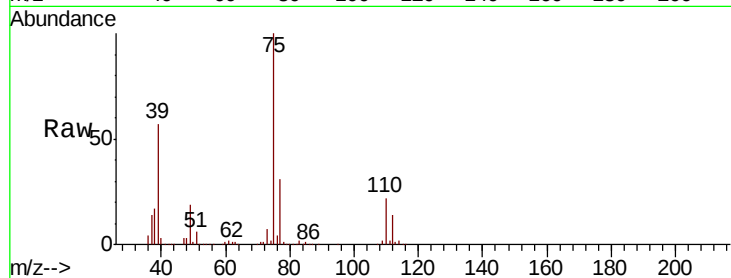
ClientSampled :

Tot Ion: 75 Resp: 199332

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 56.080 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

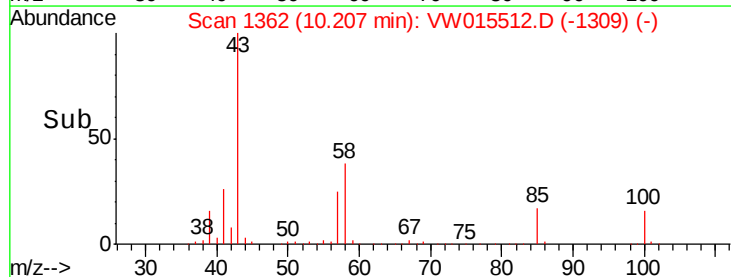
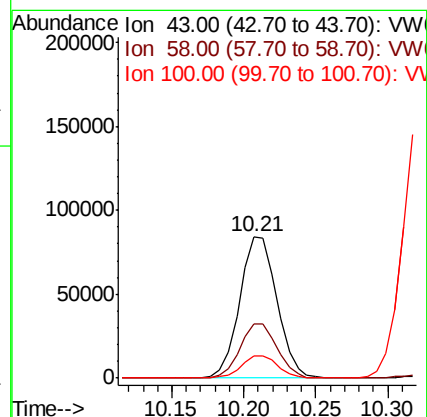
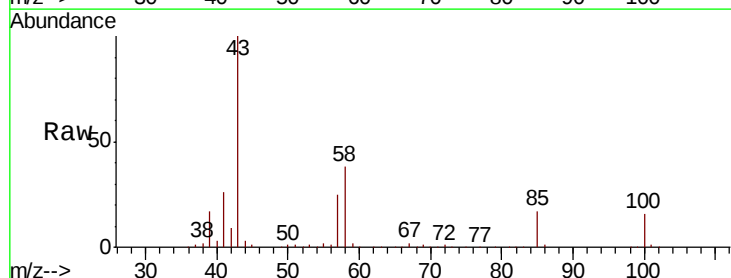
Tgt Ion: 43 Resp: 151985

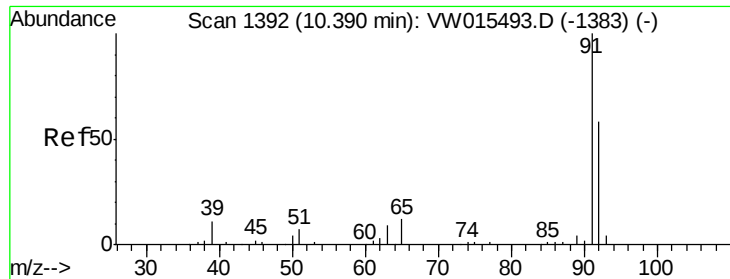
Ion Ratio Lower Upper

43 100

58 37.9 30.6 46.0

100 15.5 12.5 18.7





#44

Toluene

Concen: 27.204 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

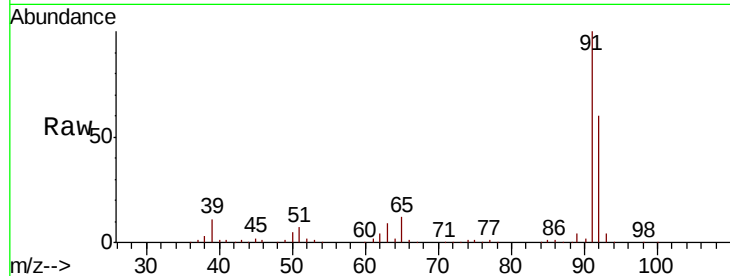
ClientSampleId :

Tot Ion: 91 Resp: 556436

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

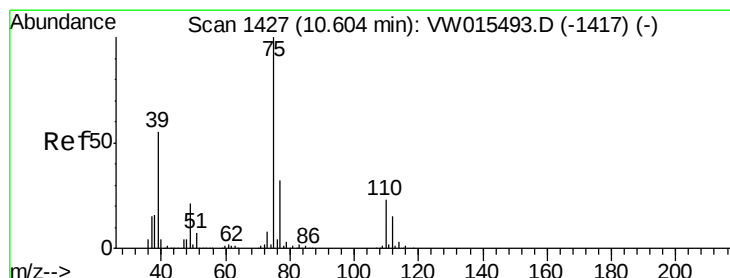
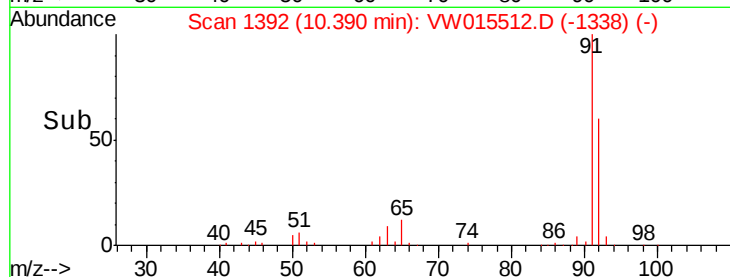
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.177 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015512.D

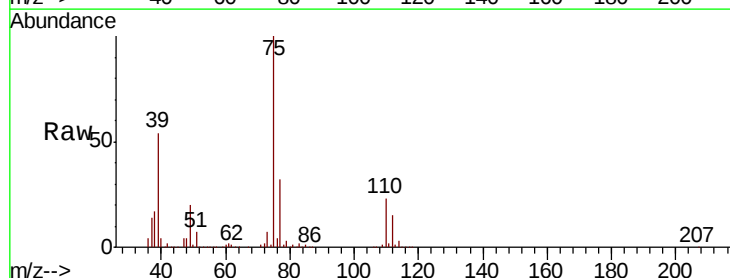
Acq: 28 May 2020 10:01

Tgt Ion: 75 Resp: 174982

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

120000

100000

80000

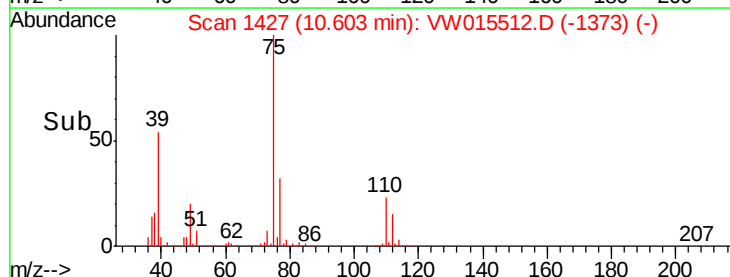
60000

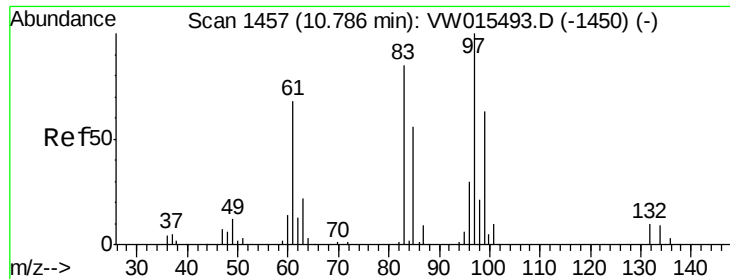
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 27.808 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 89948

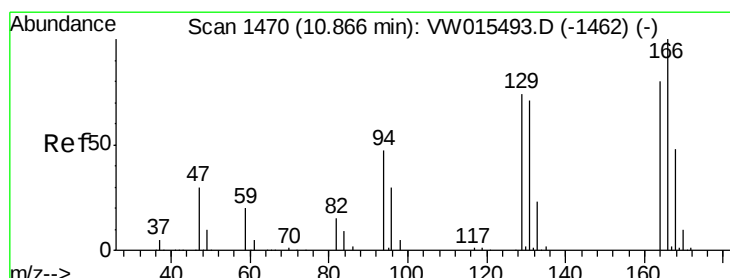
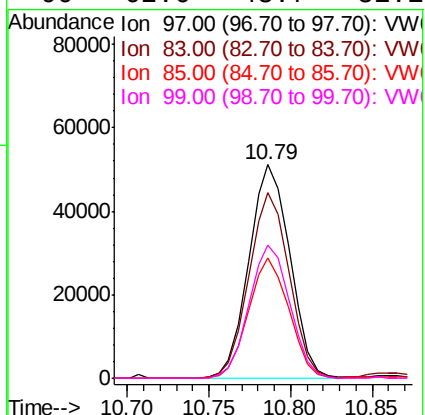
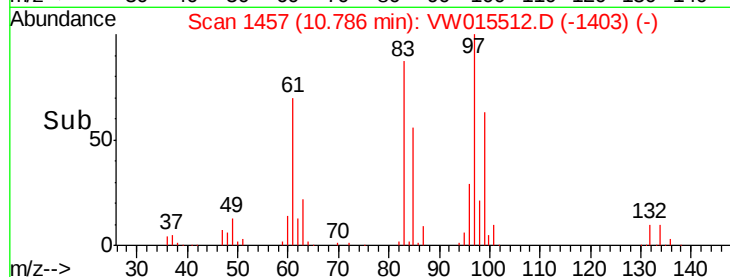
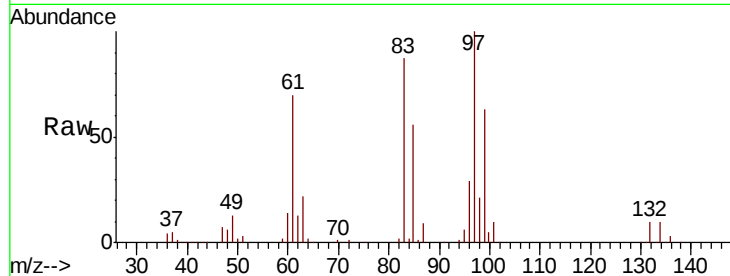
Ion	Ratio	Lower	Upper
97	100		
83	86.9	58.2	108.2
85	56.2	37.4	69.4
99	62.6	43.7	81.1

97 100

83 86.9 58.2 108.2

85 56.2 37.4 69.4

99 62.6 43.7 81.1



#47

Tetrachloroethene

Concen: 27.010 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Tgt Ion: 164 Resp: 107974

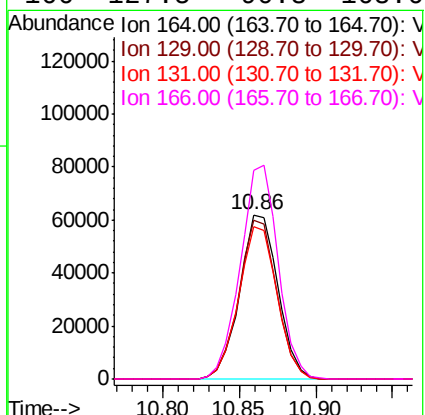
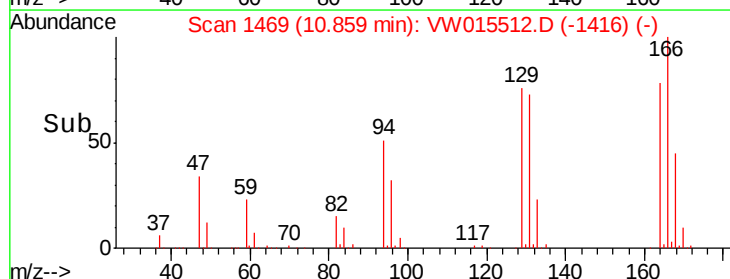
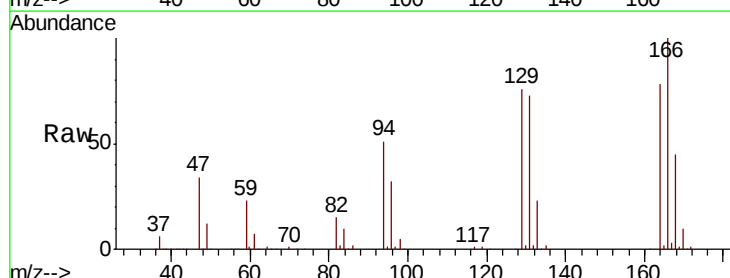
Ion	Ratio	Lower	Upper
164	100		
129	96.7	66.3	123.1
131	92.7	65.1	120.9
166	127.5	90.8	168.6

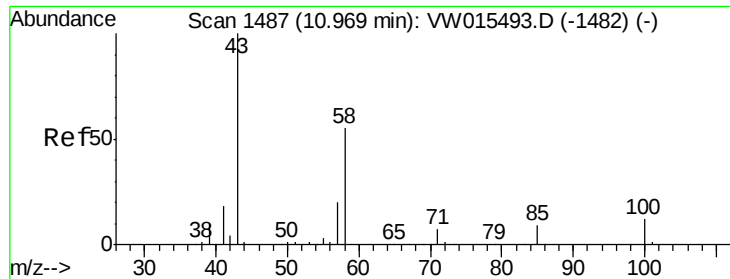
164 100

129 96.7 66.3 123.1

131 92.7 65.1 120.9

166 127.5 90.8 168.6





#49

2-Hexanone

Concen: 59.583 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 108996

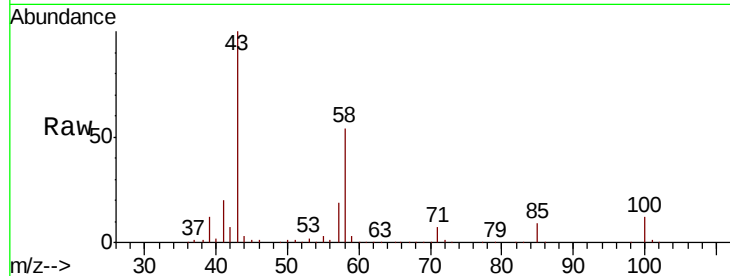
Ion Ratio Lower Upper

43 100

58 54.0 42.6 64.0

57 18.9 15.5 23.3

100 12.0 10.3 15.5

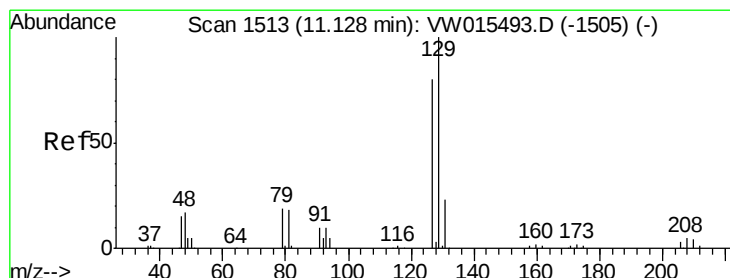
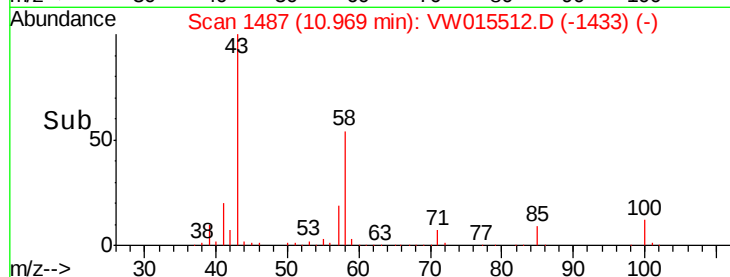
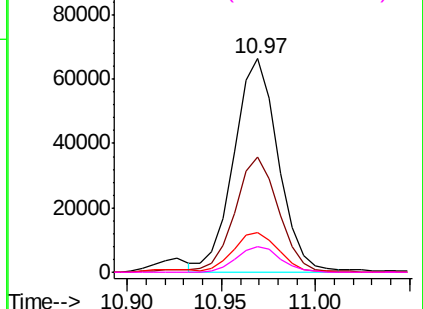


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.357 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015512.D

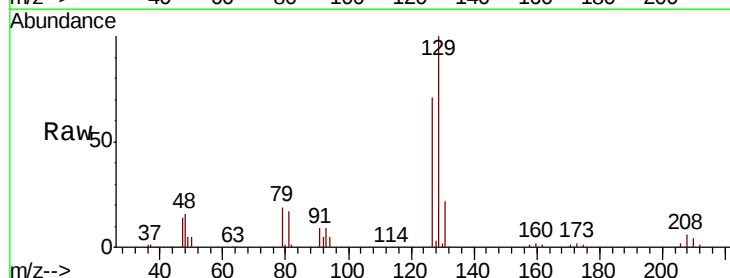
Acq: 28 May 2020 10:01

Tgt Ion: 129 Resp: 107508

Ion Ratio Lower Upper

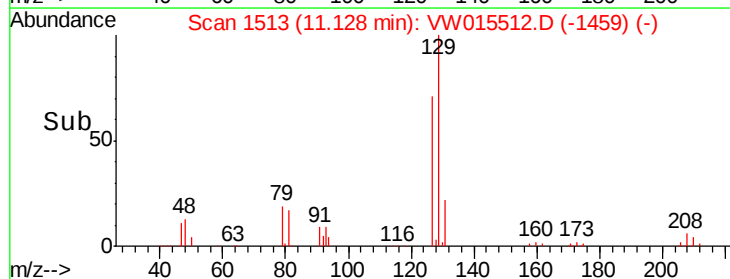
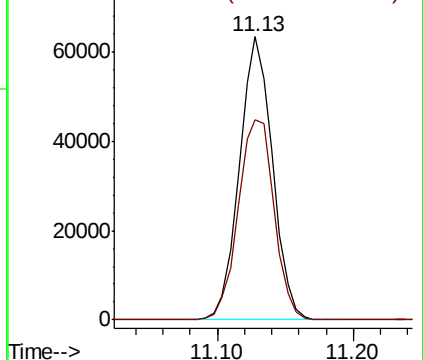
129 100

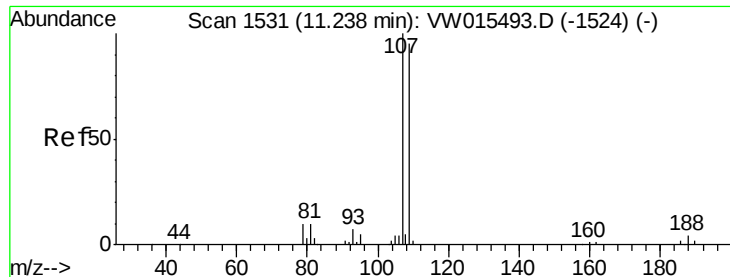
127 70.8 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

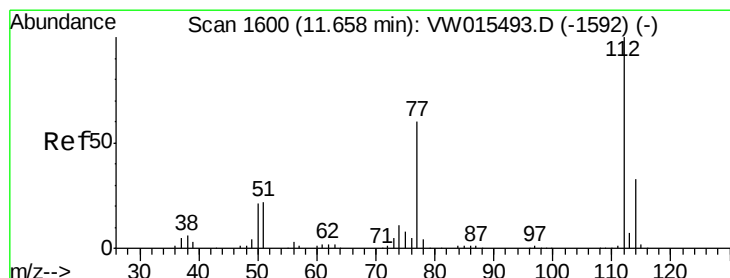
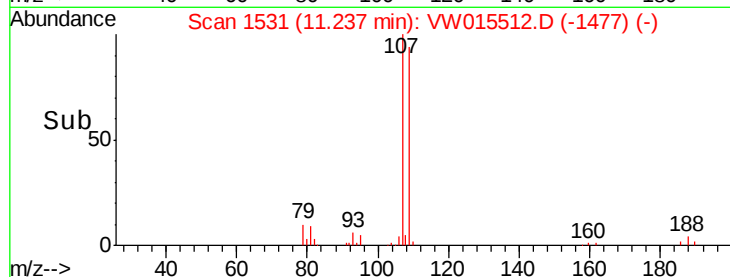
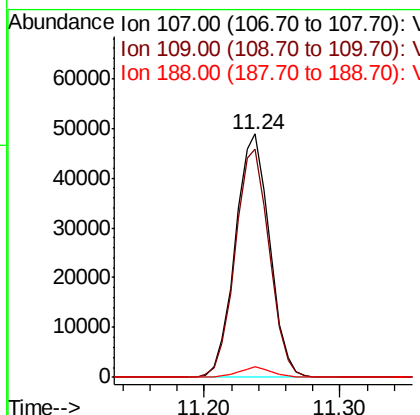
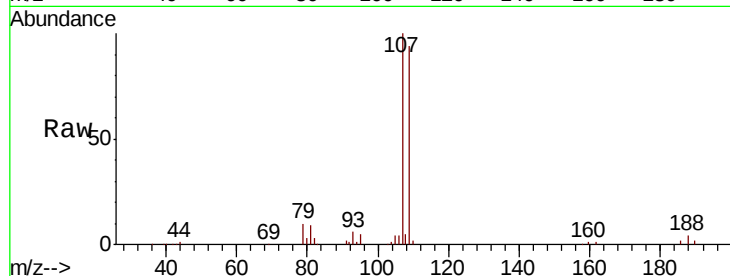




#51
 1,2-Dibromoethane
 Concen: 27.673 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

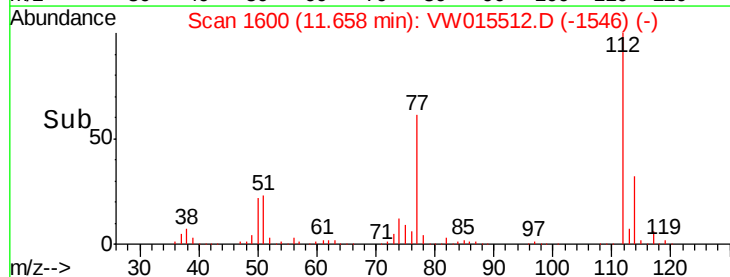
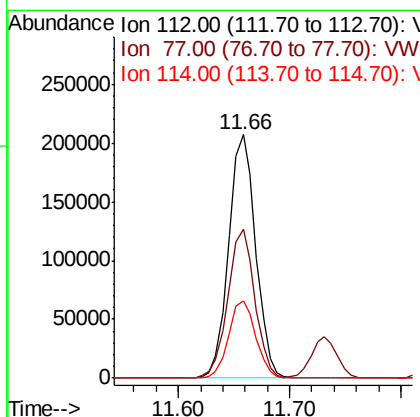
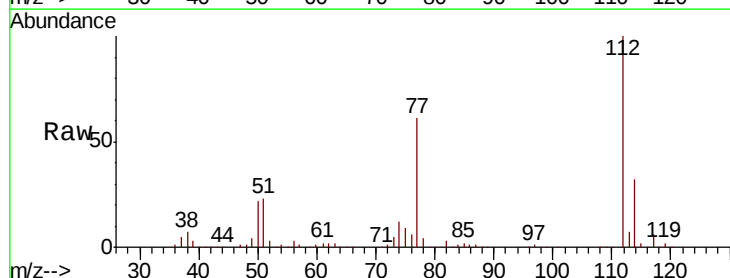
Instrument :
 MSVOA_W
 ClientSampleId :

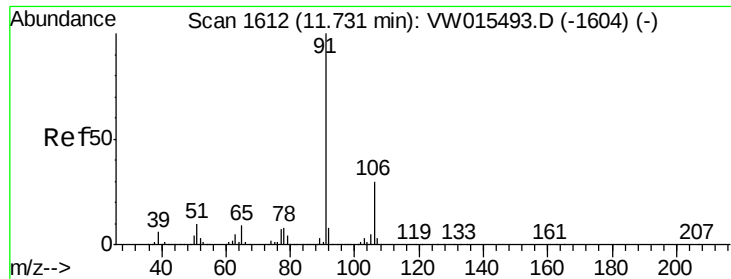
Tot Ion:107 Resp: 85931
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.6 120.0
 188 4.1 2.8 4.2



#52
 Chlorobenzene
 Concen: 27.034 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Tgt Ion:112 Resp: 346846
 Ion Ratio Lower Upper
 112 100
 77 61.0 49.7 74.5
 114 31.9 21.8 40.6





#53

Ethylbenzene

Concen: 27.046 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

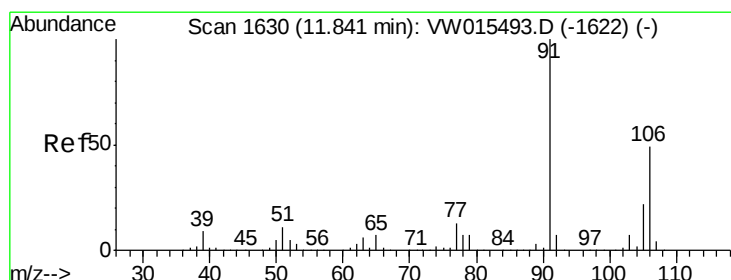
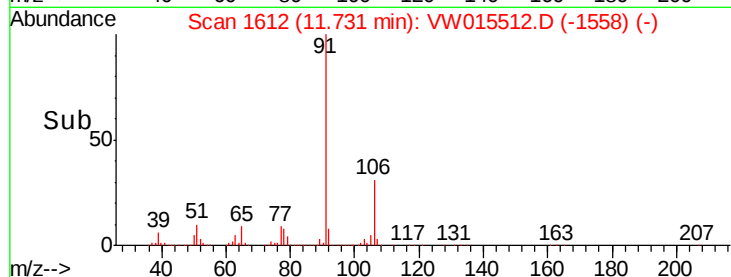
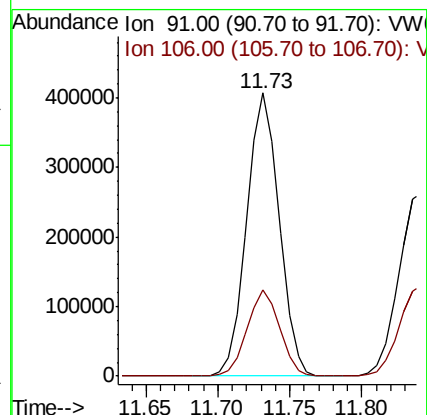
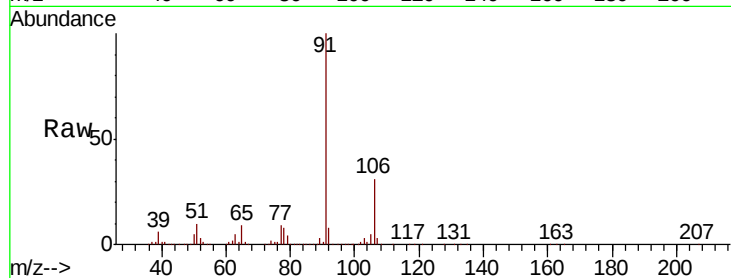
ClientSampled :

Tot Ion: 91 Resp: 635222

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#54

m,p-Xylene

Concen: 27.559 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015512.D

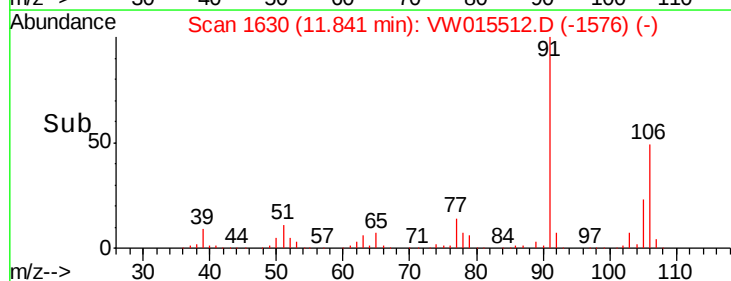
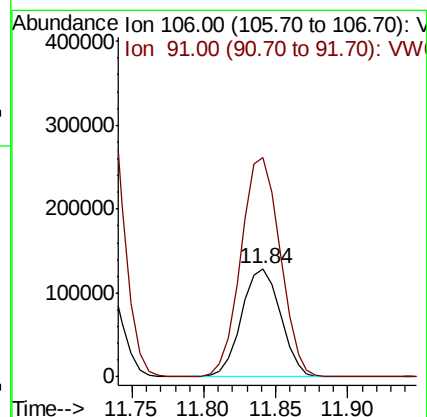
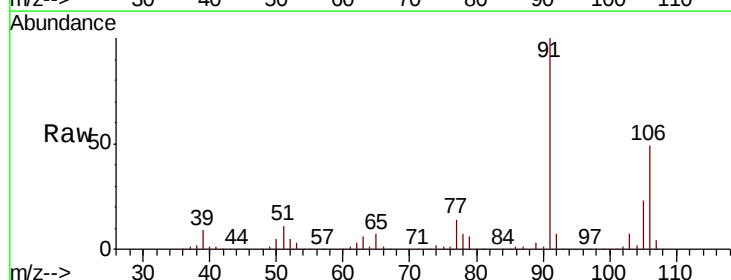
Acq: 28 May 2020 10:01

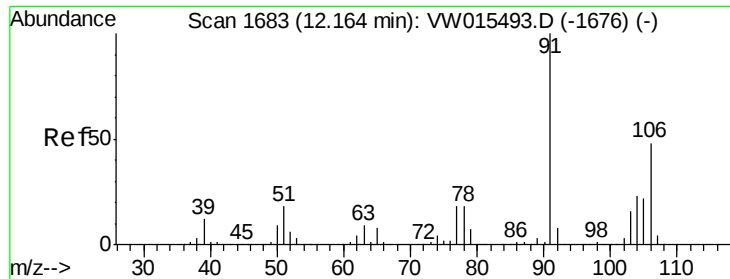
Tgt Ion: 106 Resp: 242884

Ion Ratio Lower Upper

106 100

91 202.3 142.6 264.8

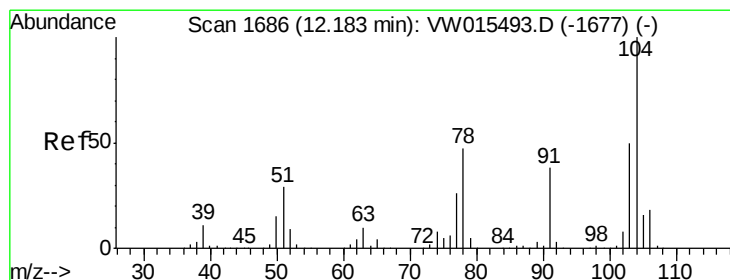
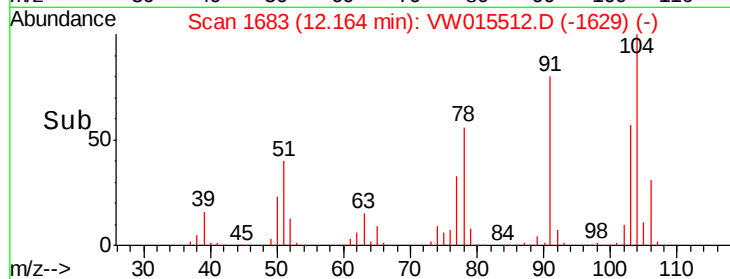
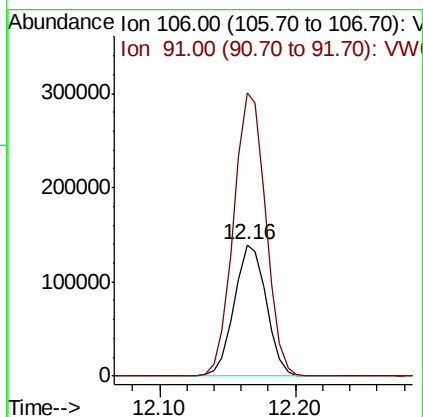
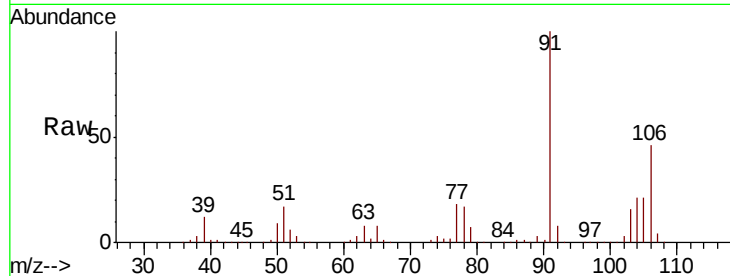




#55
o-xylene
Concen: 27.290 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

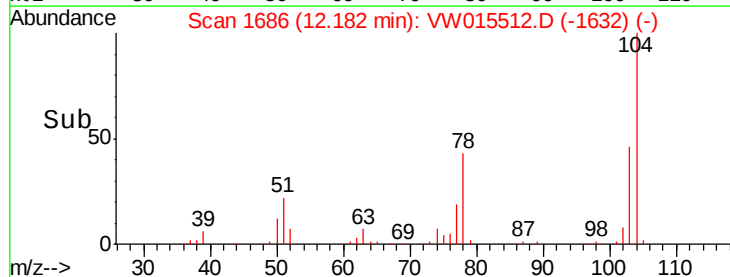
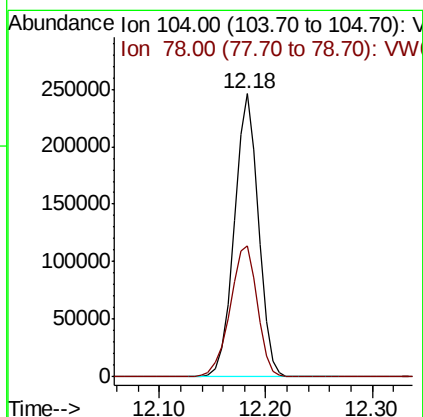
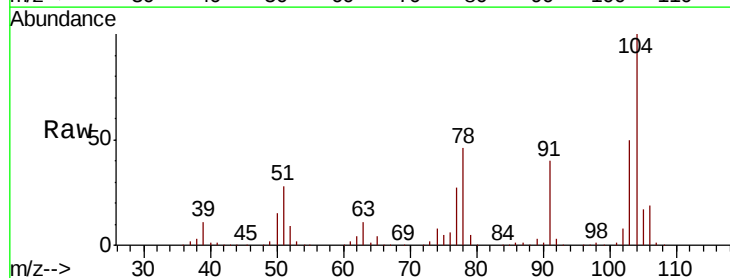
Instrument :
MSVOA_W
ClientSampled :

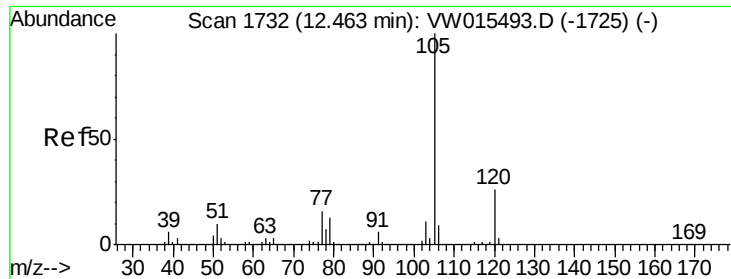
Tot Ion:106 Resp: 228299
Ion Ratio Lower Upper
106 100
91 215.6 149.0 276.6



#56
Styrene
Concen: 27.417 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015512.D
Acq: 28 May 2020 10:01

Tgt Ion:104 Resp: 391905
Ion Ratio Lower Upper
104 100
78 46.1 32.9 61.1





#57

Isopropylbenzene

Concen: 27.407 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

ClientSampled :

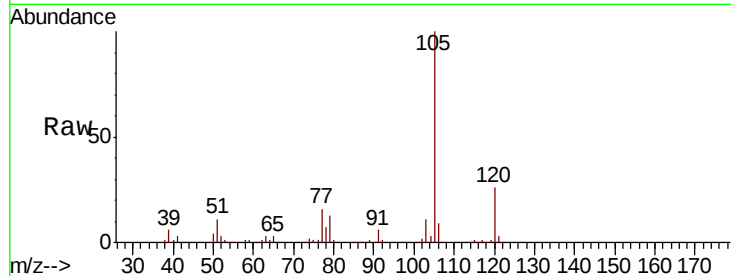
Tot Ion:105 Resp: 638698

Ion Ratio Lower Upper

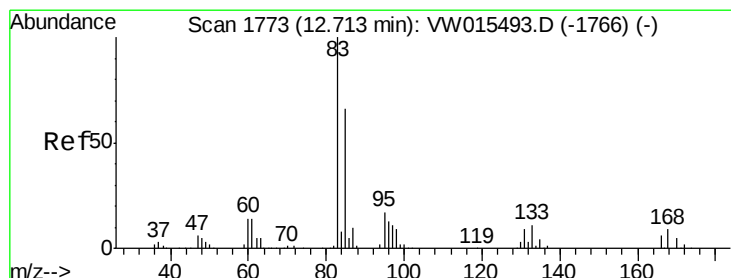
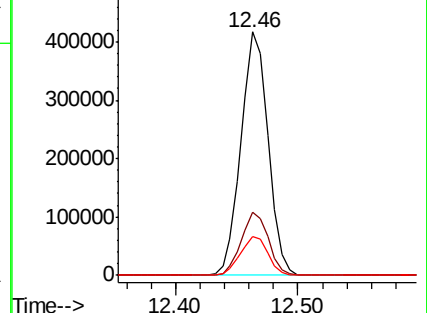
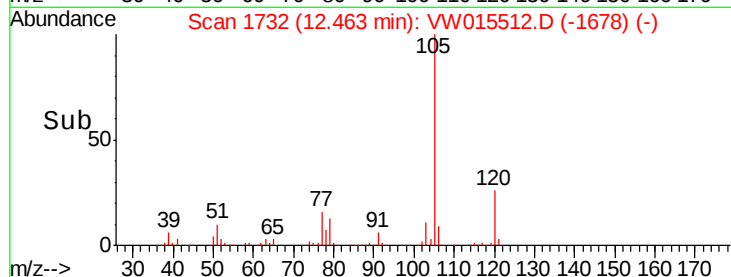
105 100

120 25.8 21.0 31.4

77 16.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VW
Ion 120.00 (119.70 to 120.70): VW
Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 28.446 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

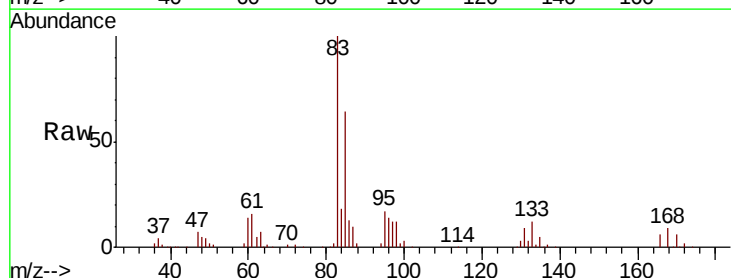
Tgt Ion: 83 Resp: 106523

Ion Ratio Lower Upper

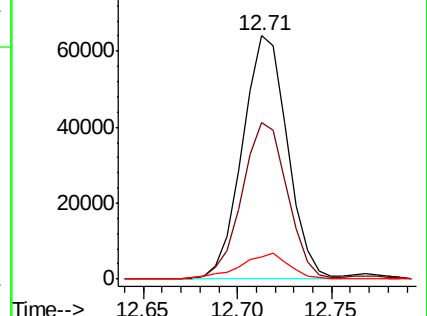
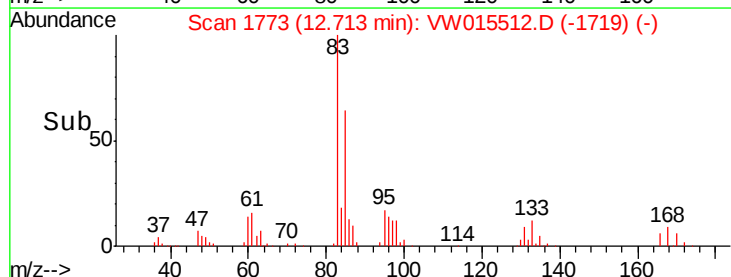
83 100

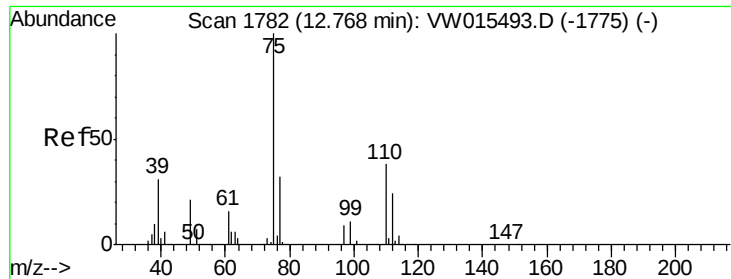
85 64.3 44.7 82.9

131 9.3 9.1 13.7



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 27.913 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

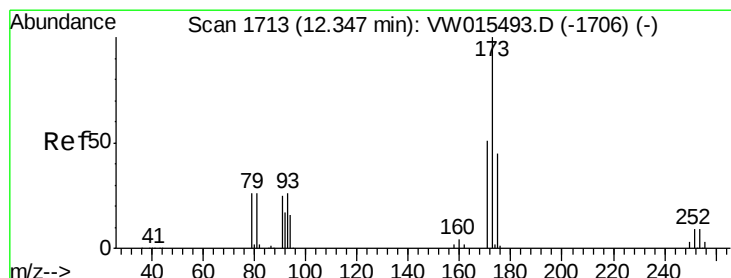
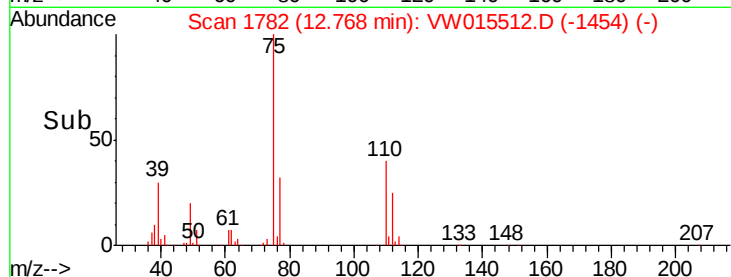
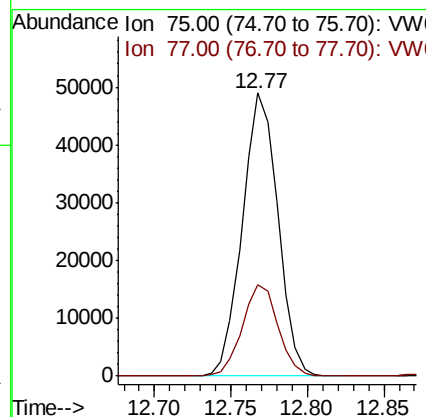
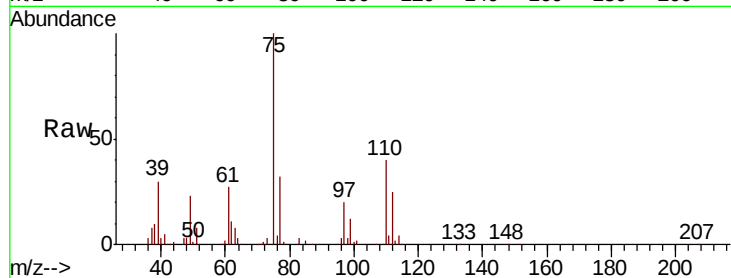
ClientSampled :

Tot Ion: 75 Resp: 79256

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 26.331 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

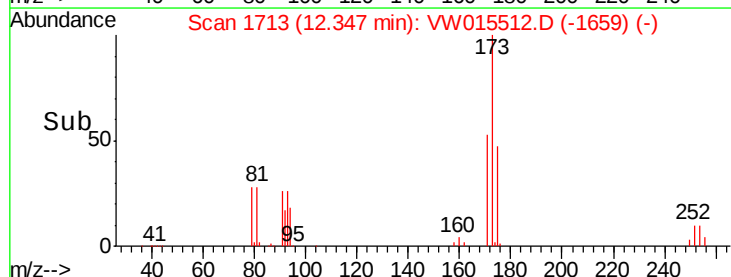
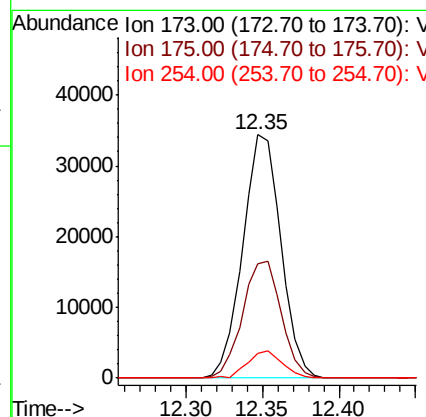
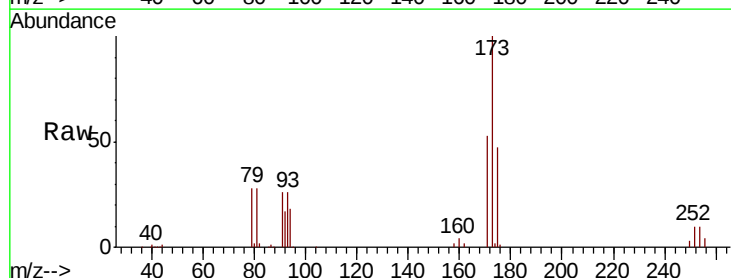
Tgt Ion: 173 Resp: 59745

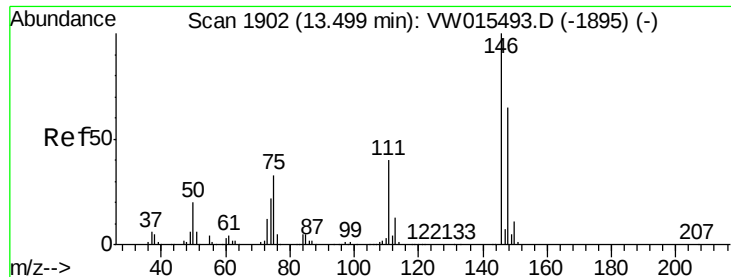
Ion Ratio Lower Upper

173 100

175 48.7 37.9 56.9

254 9.9 6.8 10.2

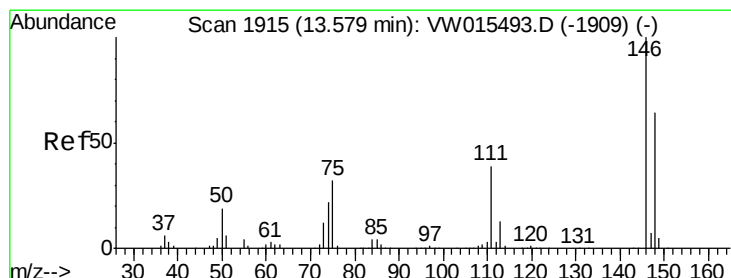
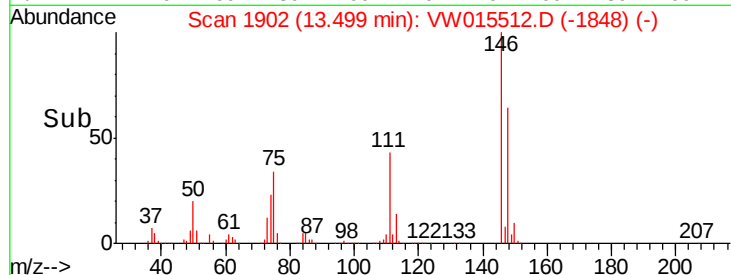
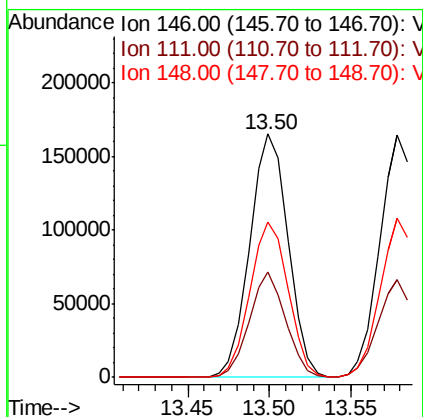
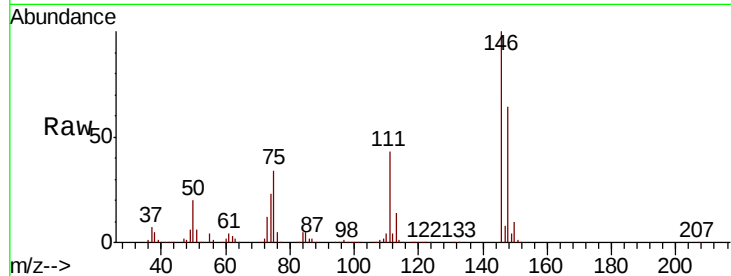




#63
 1,3-Dichlorobenzene
 Concen: 27.192 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

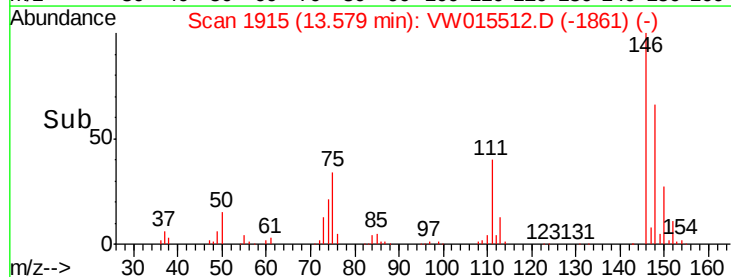
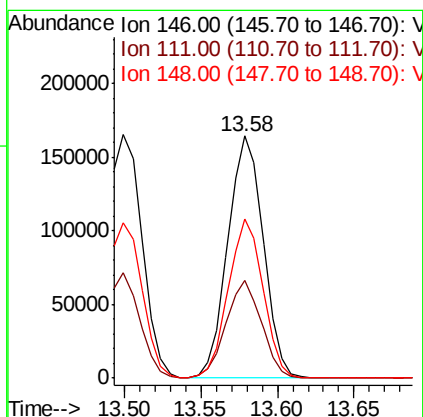
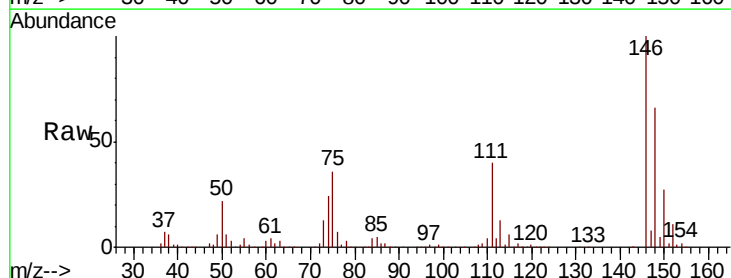
Instrument :
 MSVOA_W
 ClientSampleId :

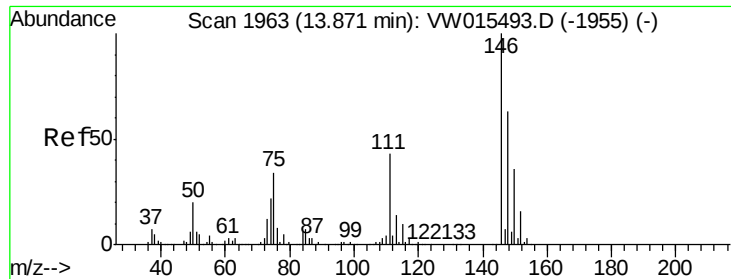
Tot Ion:146 Resp: 270970
 Ion Ratio Lower Upper
 146 100
 111 43.4 29.3 54.5
 148 63.7 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 27.022 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Tgt Ion:146 Resp: 263849
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.1 52.1
 148 65.9 43.3 80.3

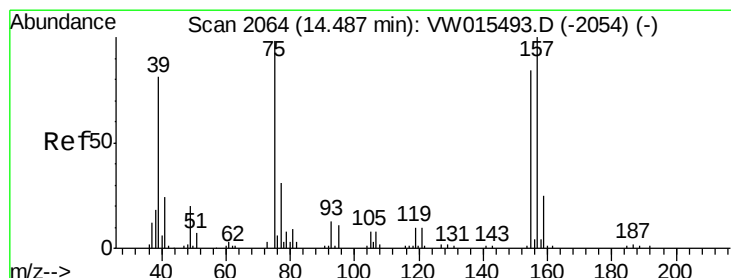
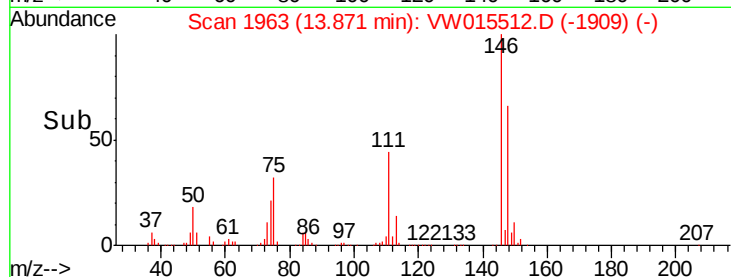
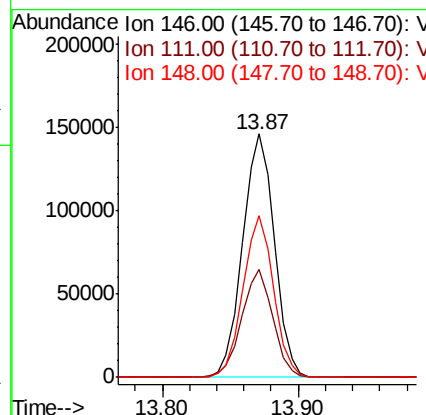
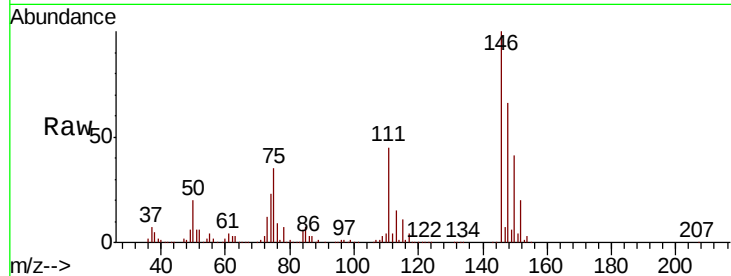




#65
 1,2-Dichlorobenzene
 Concen: 27.520 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

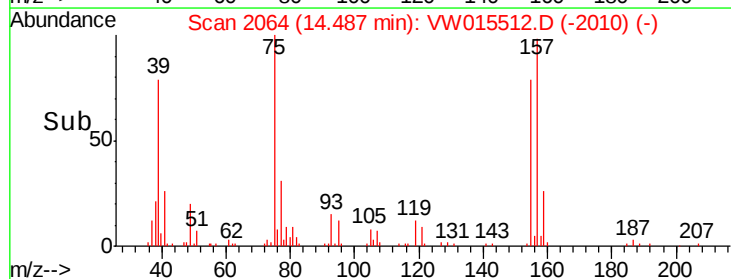
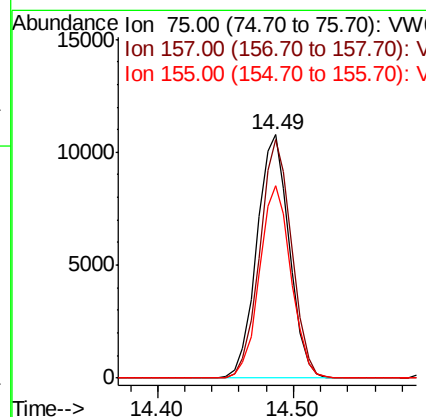
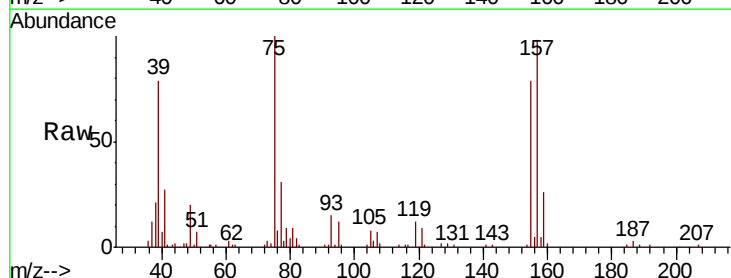
Instrument :
 MSVOA_W
 ClientSampled :

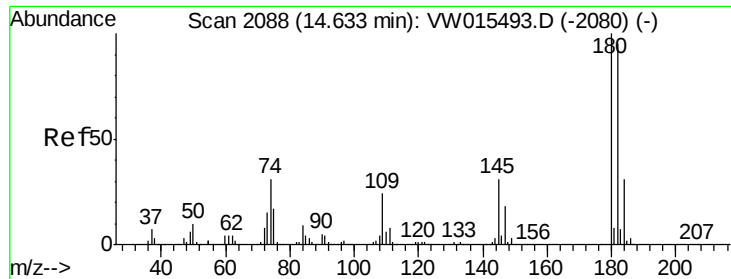
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	34.9	52.3
148	66.3	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.333 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
157	98.1	87.4	131.0
155	78.9	64.6	96.8

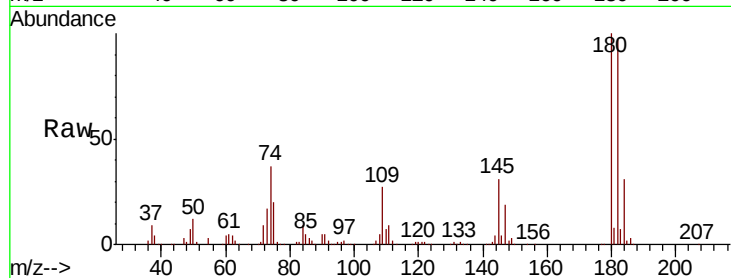




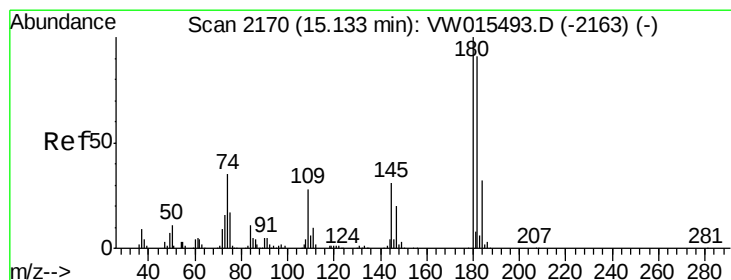
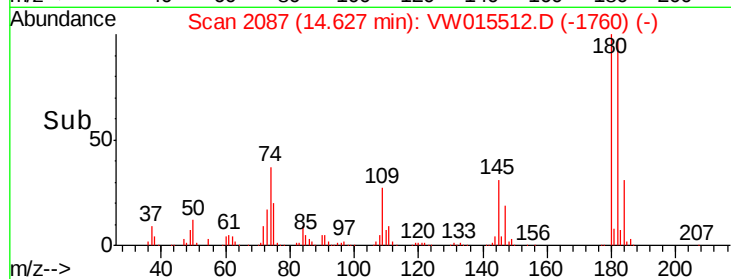
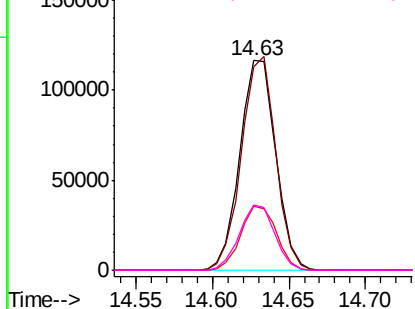
#67
 1,3,5-Trichlorobenzene
 Concen: 27.603 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	190440
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.6 114.8
184	30.2	24.4 36.6
145	30.6	24.0 36.0

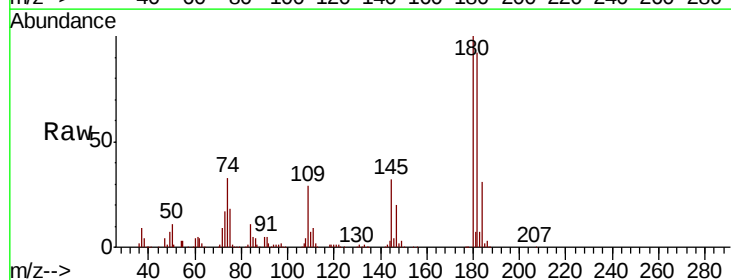


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

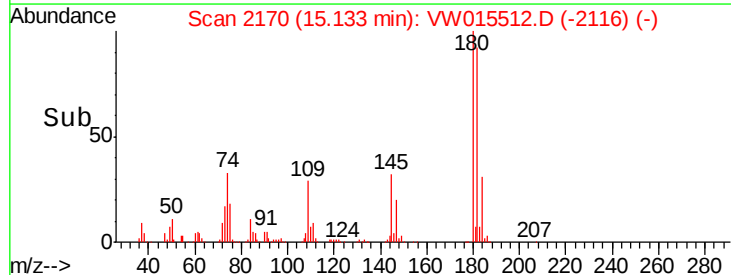
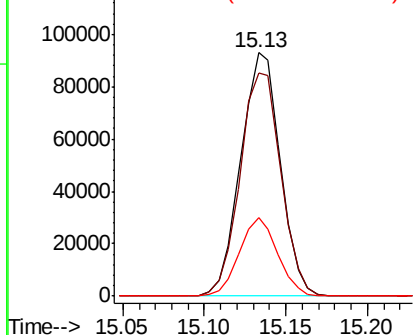


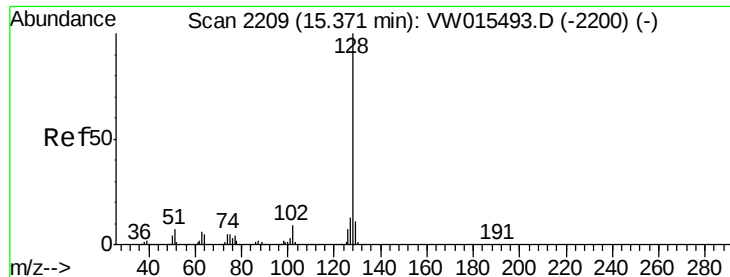
#68
 1,2,4-trichlorobenzene
 Concen: 28.264 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015512.D
 Acq: 28 May 2020 10:01

Tgt Ion:180	Resp:	157053
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.1 114.1
145	31.1	25.2 37.8



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: 28.855 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

Instrument :

MSVOA_W

ClientSampleId :

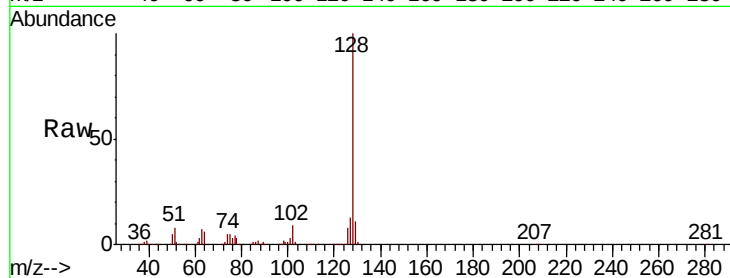
Tot Ion:128 Resp: 291130

Ion Ratio Lower Upper

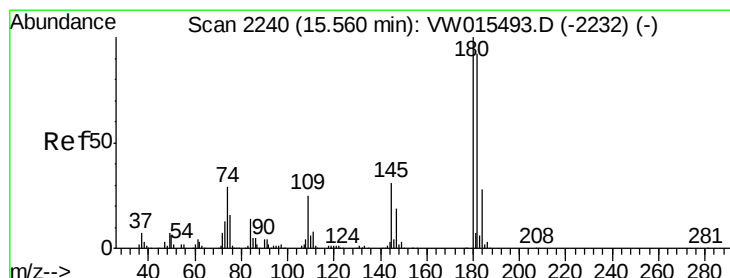
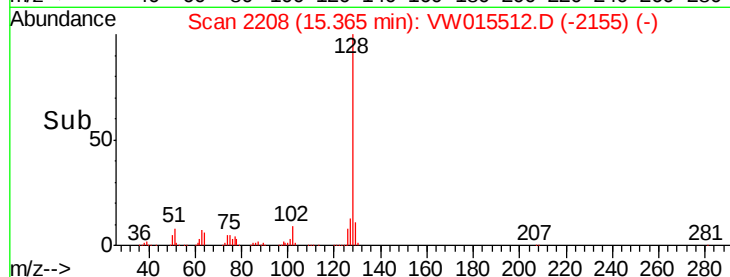
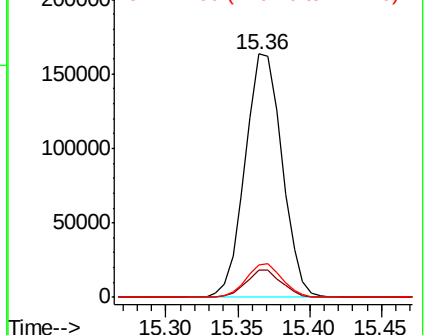
128 100

129 10.8 8.6 12.8

127 13.3 10.6 15.8



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: 28.659 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015512.D

Acq: 28 May 2020 10:01

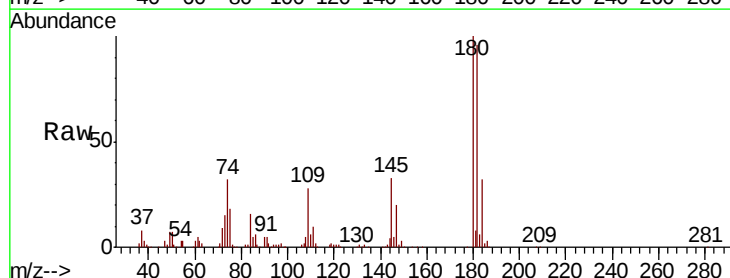
Tgt Ion:180 Resp: 135478

Ion Ratio Lower Upper

180 100

182 93.7 75.4 113.2

145 32.0 26.7 40.1



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

