

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050820\
 Data File : VW015422.D
 Acq On : 08 May 2020 11:52
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 09 06:12:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 06 12:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	351575	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318611	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	156229	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	99149	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.16%
7) Chloroethane-d5	2.89	69	96941	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
10) 1,1-Dichloroethene-d2	4.01	63	205999	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.12%
20) 2-Butanone-d5	7.08	46	58351	49.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.32%
24) Chloroform-d	7.64	84	208709	23.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	8.31	65	118534	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.32%
29) Benzene-d6	8.27	84	408527	23.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.76%
33) 1,2-Dichloropropane-d6	9.27	67	124719	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.44%
37) Toluene-d8	10.32	98	389705	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.00%
38) trans-1,3-Dichloropropene-	10.57	79	57288	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.28%
39) 2-Hexanone-d5	10.92	63	48672	49.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99261	24.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	124811	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	66011	21.395	ug/L	97
3) Chloromethane	2.21	50	72124	21.845	ug/L	100
5) Vinyl chloride	2.37	62	122104	23.803	ug/L	98
6) Bromomethane	2.78	94	84167	23.848	ug/L	99
8) Chloroethane	2.93	64	81953	23.902	ug/L	98
9) Trichlorofluoromethane	3.26	101	82077	21.947	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105255	25.261	ug/L	99
12) 1,1-Dichloroethene	4.03	96	102550	24.319	ug/L	92
13) Acetone	4.13	43	49757	55.925	ug/L	99
14) Carbon disulfide	4.38	76	302605	23.102	ug/L	99
15) Methyl Acetate	4.67	43	50648	26.027	ug/L	99
16) Methylene chloride	4.91	84	107554	21.360	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	172549	25.168	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	112179	24.685	ug/L	98
19) 1,1-Dichloroethane	6.21	63	212596	24.838	ug/L	99
21) 2-Butanone	7.17	43	68587	51.275	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	122617	25.034	ug/L	98

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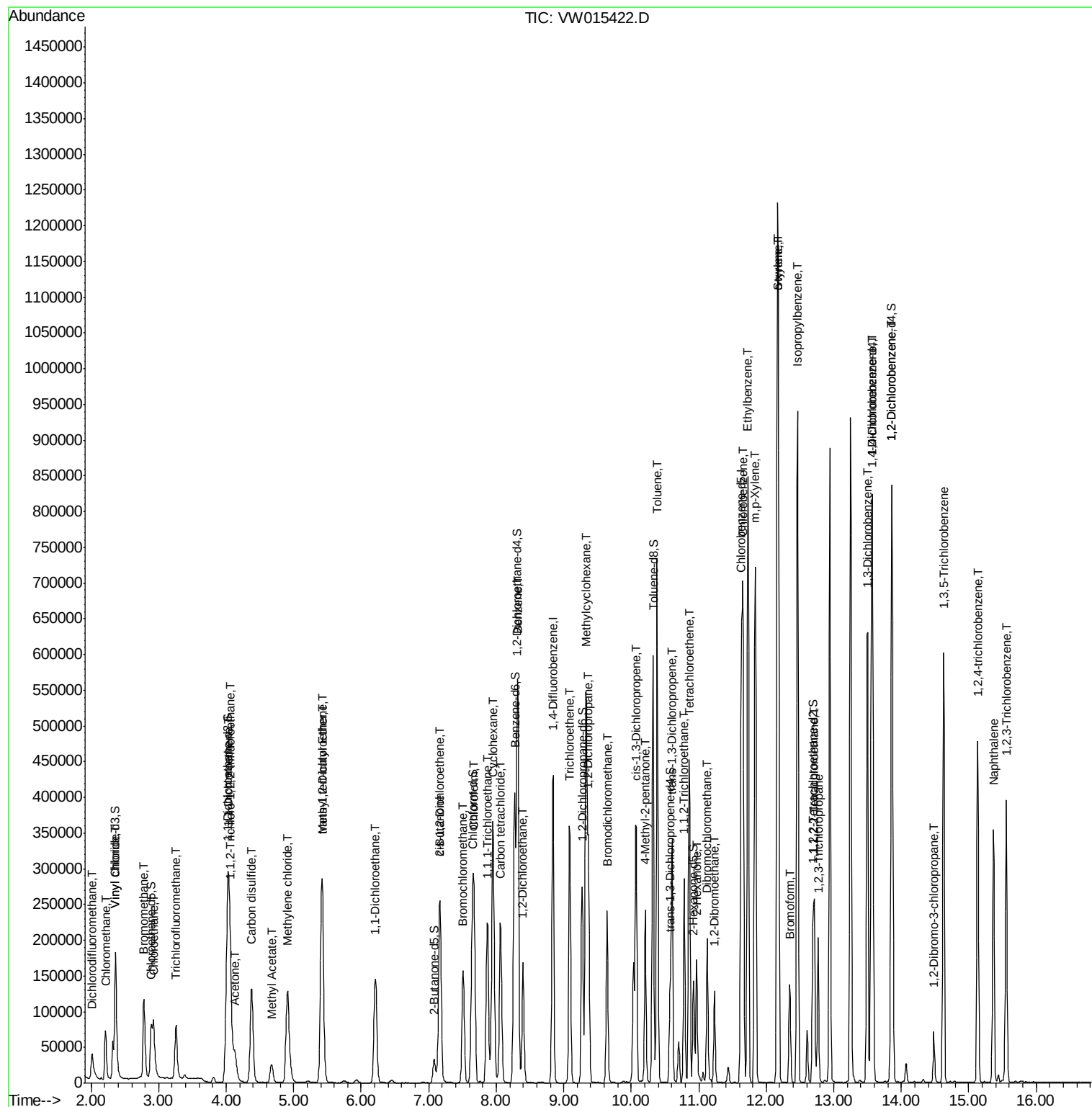
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52347	25.643	ug/L	94
25) Chloroform	7.67	83	214045	25.295	ug/L	99
27) 1,2-Dichloroethane	8.40	62	149240	25.919	ug/L	99
30) Cyclohexane	7.95	56	203774	24.451	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	182481	25.521	ug/L	100
32) Carbon tetrachloride	8.06	117	165320	25.406	ug/L	99
34) Benzene	8.32	78	471230	25.280	ug/L	100
35) Trichloroethene	9.09	95	124554	24.935	ug/L	99
36) Methylcyclohexane	9.33	83	220253	24.833	ug/L	98
40) 1,2-Dichloropropane	9.37	63	118399	25.416	ug/L	100
41) Bromodichloromethane	9.64	83	157070	25.544	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	192676	25.614	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	153823	49.285	ug/L	99
44) Toluene	10.38	91	519502	25.501	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171982	26.234	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	87018	26.644	ug/L	99
47) Tetrachloroethene	10.86	164	95589	25.509	ug/L	99
49) 2-Hexanone	10.97	43	109350	55.606	ug/L	99
50) Dibromochloromethane	11.13	129	102551	25.956	ug/L	99
51) 1,2-Dibromoethane	11.23	107	84383	27.075	ug/L	100
52) Chlorobenzene	11.65	112	325326	25.312	ug/L	99
53) Ethylbenzene	11.73	91	599895	25.249	ug/L	99
54) m,p-Xylene	11.83	106	225277	25.380	ug/L	100
55) o-xylene	12.16	106	214373	25.104	ug/L	99
56) Styrene	12.18	104	367854	25.230	ug/L	95
57) Isopropylbenzene	12.46	105	593615	25.165	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	106842	27.502	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	80153	27.164	ug/L	100
62) Bromoform	12.35	173	60923	26.403	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	251125	25.279	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	251745	25.454	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	222960	25.514	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	18408	26.134	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	179727	26.312	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	145683	25.830	ug/L	98
69) Naphthalene	15.36	128	292377	27.623	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	124331	25.587	ug/L	98

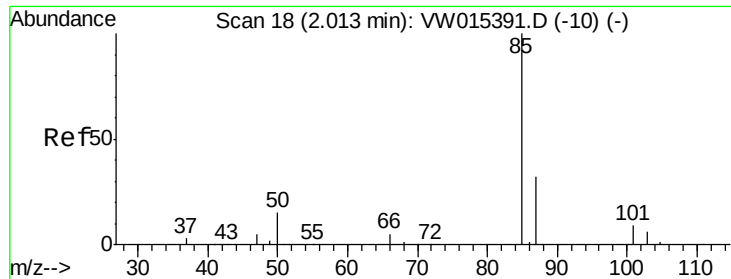
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.395 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

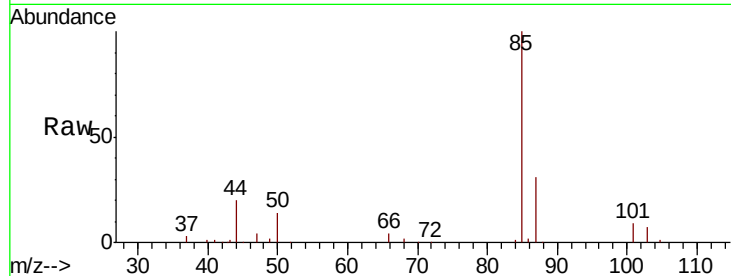
ClientSampleId :

Tot Ion: 85 Resp: 66011

Ion Ratio Lower Upper

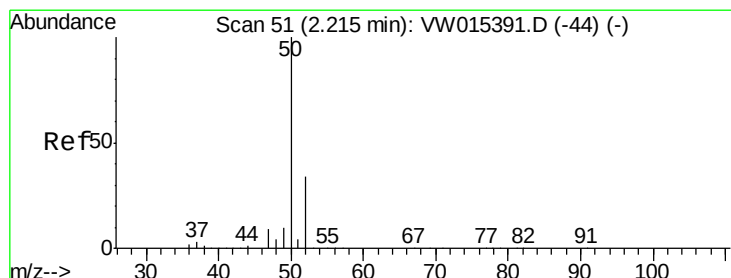
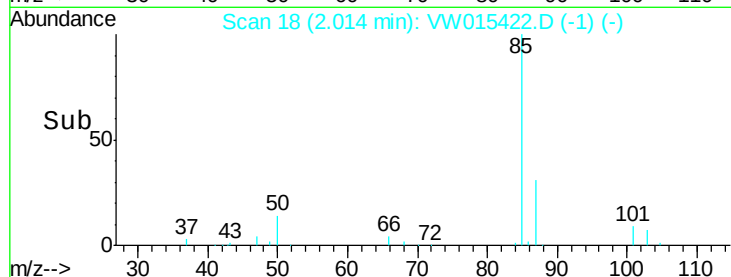
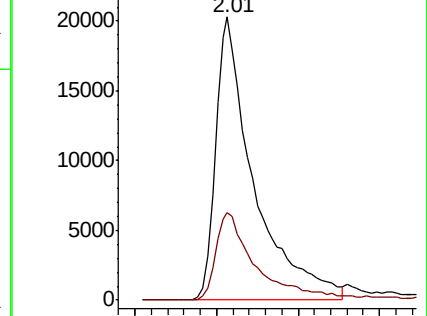
85 100

87 32.3 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.845 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015422.D

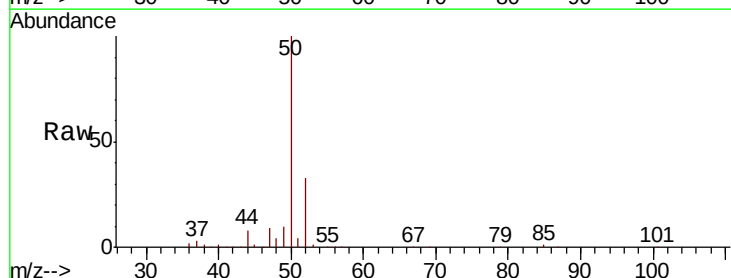
Acq: 08 May 2020 11:52

Tgt Ion: 50 Resp: 72124

Ion Ratio Lower Upper

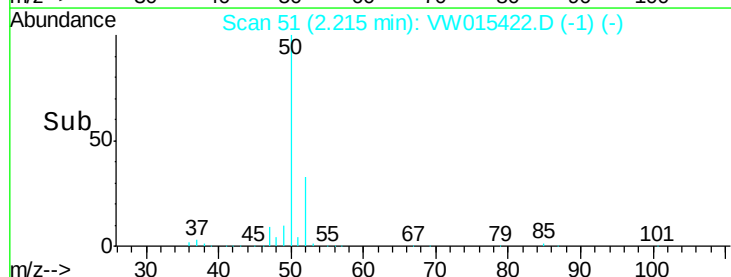
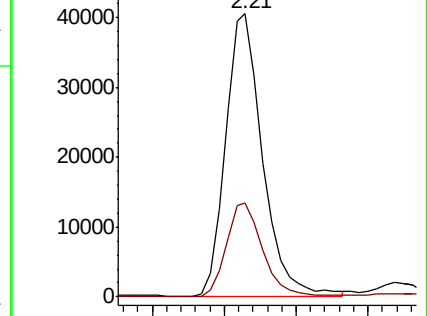
50 100

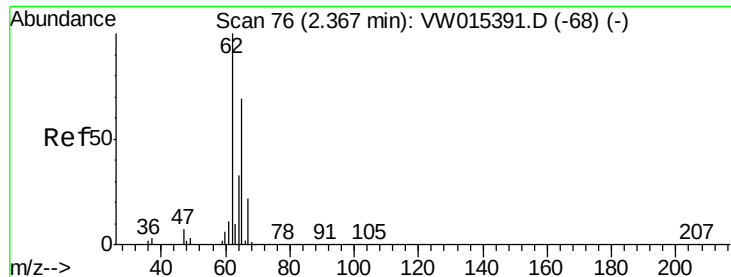
52 33.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.803 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

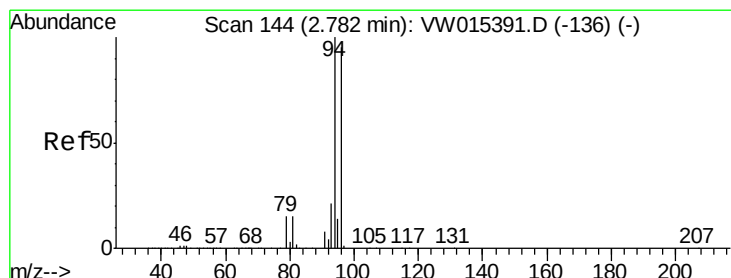
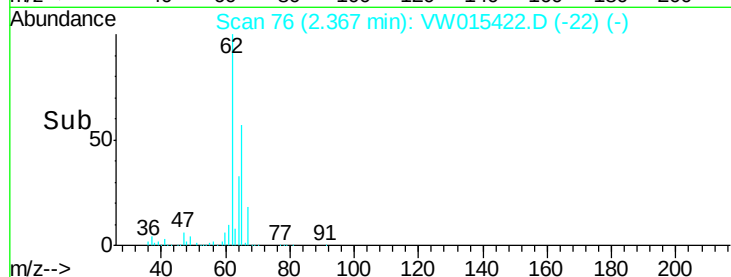
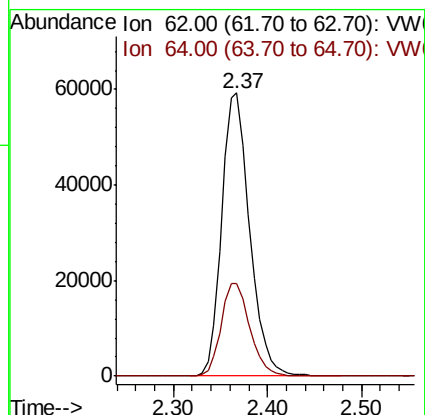
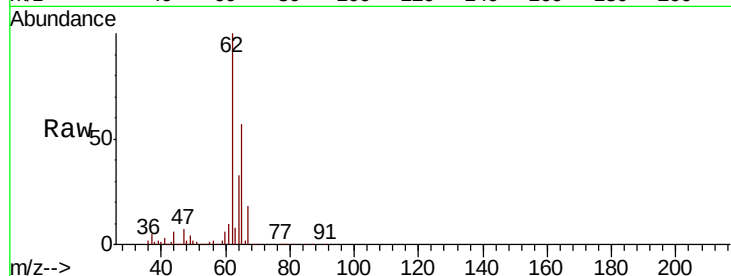
ClientSampleId :

Tot Ion: 62 Resp: 122104

Ion Ratio Lower Upper

62 100

64 32.6 23.7 44.1



#6

Bromomethane

Concen: 23.848 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015422.D

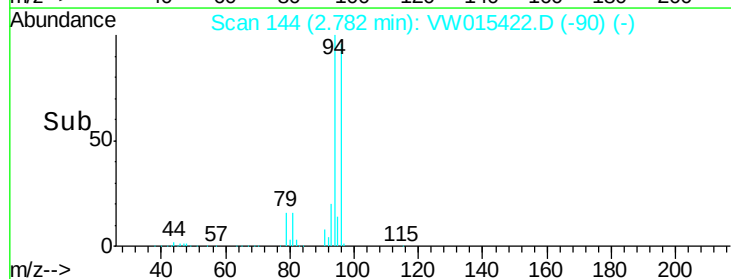
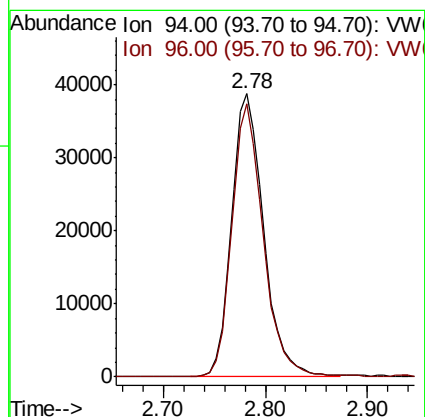
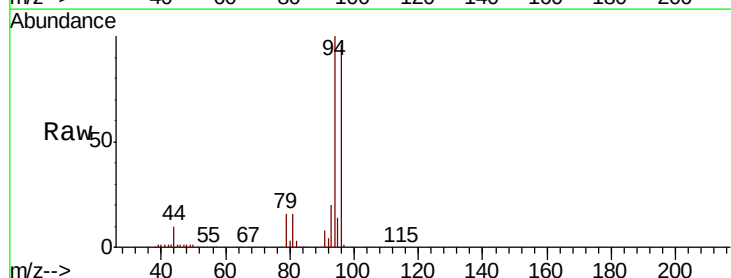
Acq: 08 May 2020 11:52

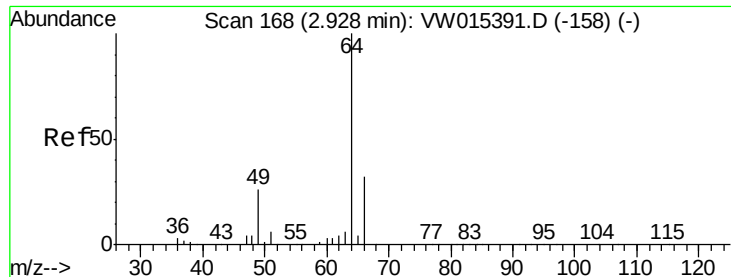
Tgt Ion: 94 Resp: 84167

Ion Ratio Lower Upper

94 100

96 94.4 9.3 177.7

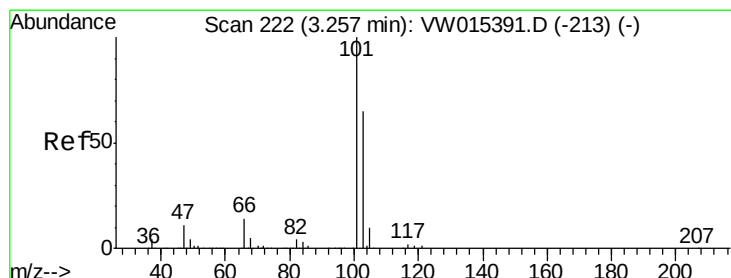
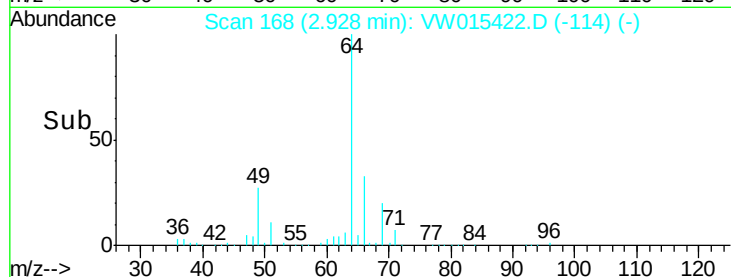
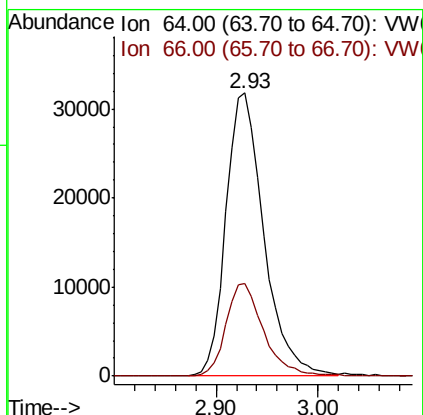
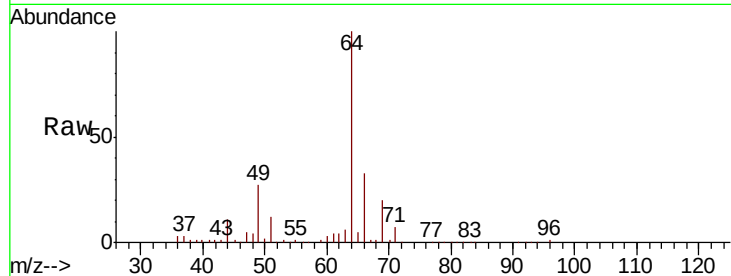




#8
Chloroethane
Concen: 23.902 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

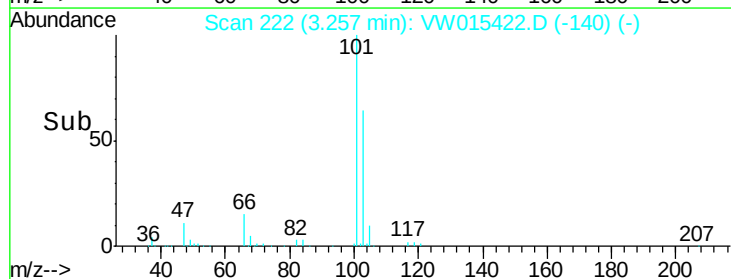
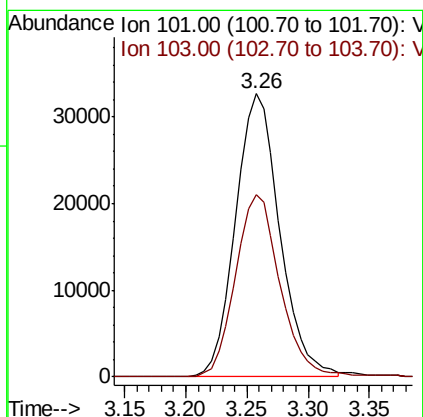
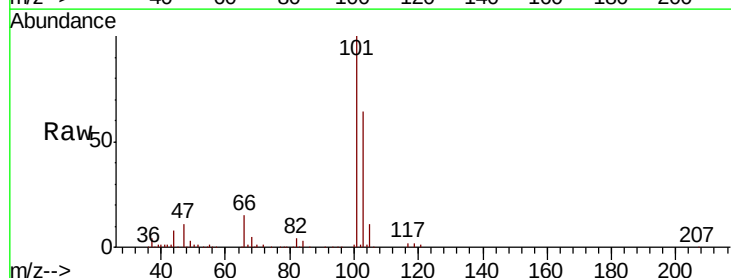
Instrument :
MSVOA_W
ClientSampled :

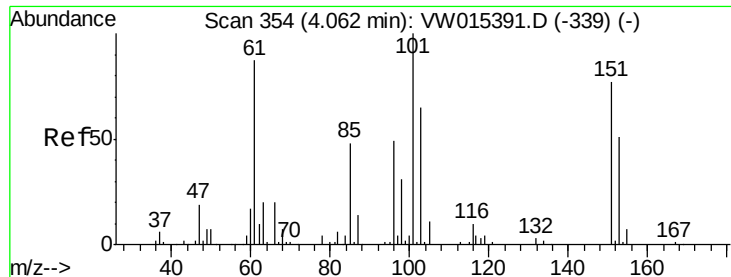
Tot Ion: 64 Resp: 81953
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 21.947 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion: 101 Resp: 82077
Ion Ratio Lower Upper
101 100
103 64.1 45.5 84.5





#11

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

Concen: 25.261 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

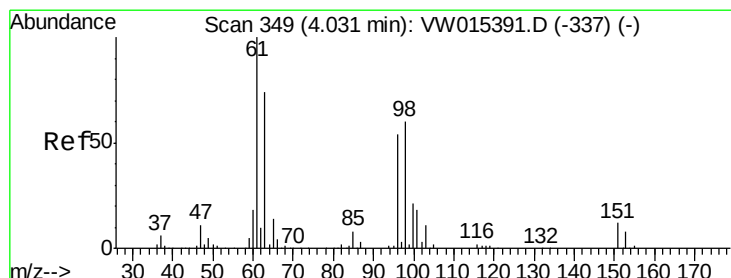
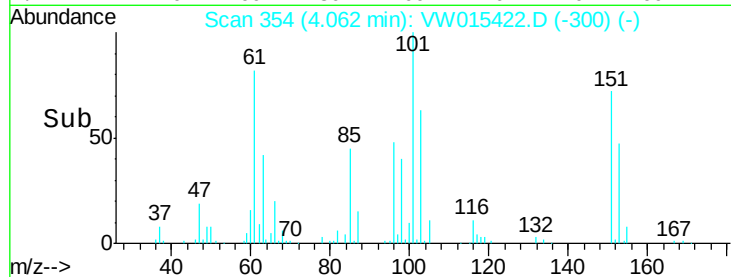
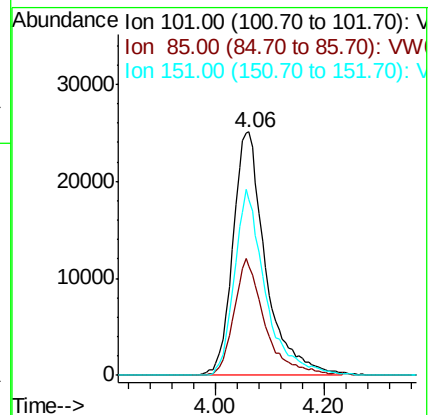
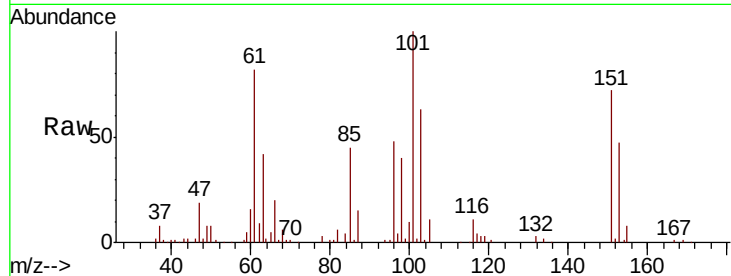
Tot Ion:101 Resp: 105255

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

151 71.6 57.1 85.7



#12

1,1-Dichloroethene

Concen: 24.319 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

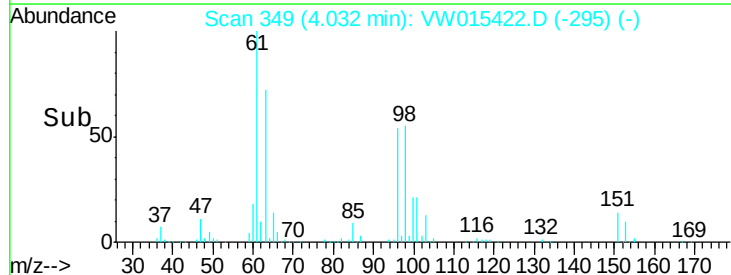
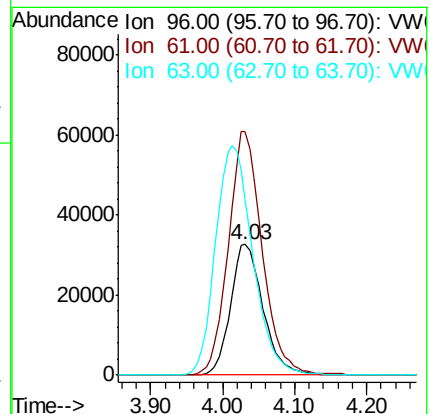
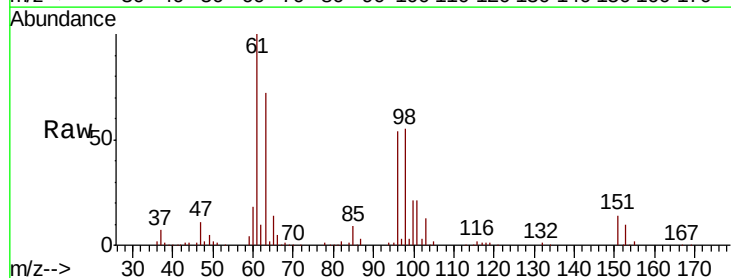
Tgt Ion: 96 Resp: 102550

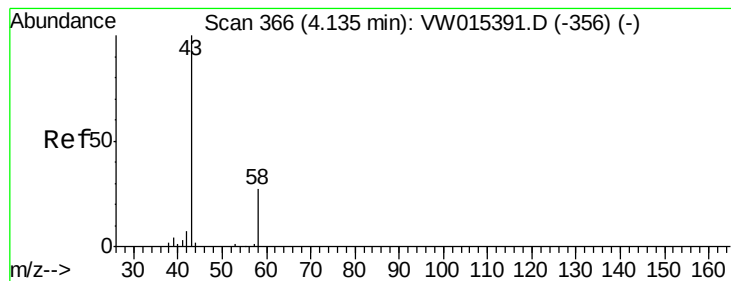
Ion Ratio Lower Upper

96 100

61 186.7 135.9 252.5

63 134.4 104.4 194.0





#13

Acetone

Concen: 55.925 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

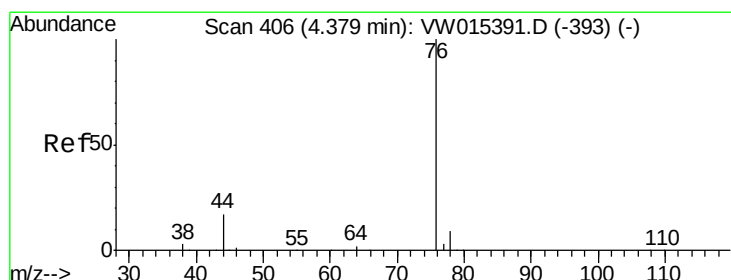
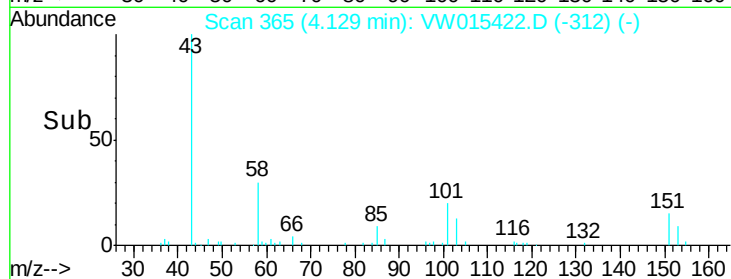
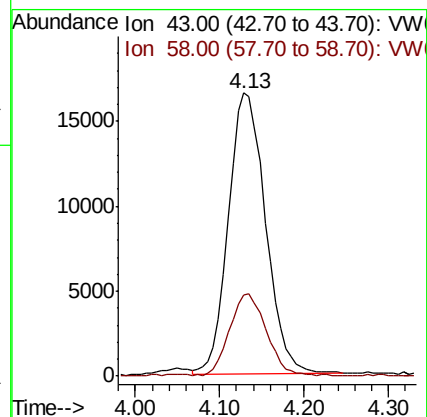
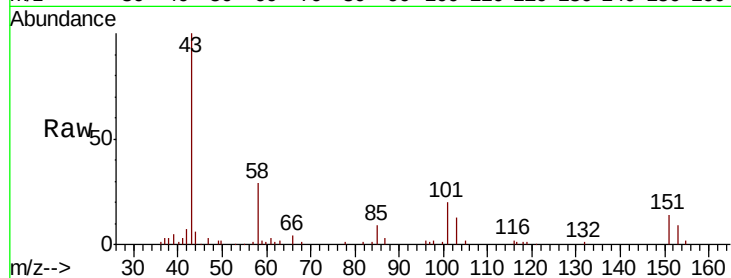
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 49757

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.0



#14

Carbon disulfide

Concen: 23.102 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015422.D

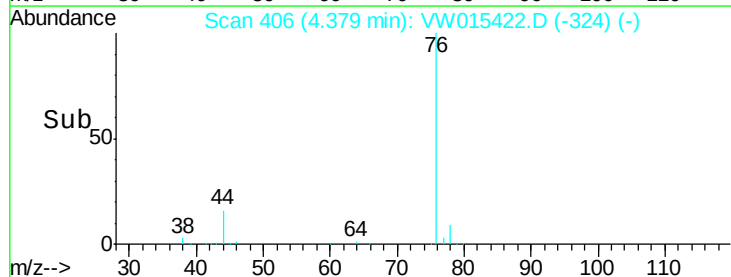
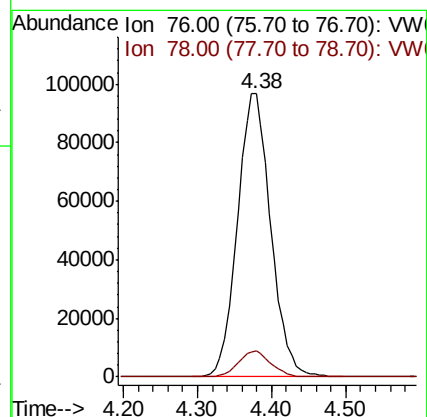
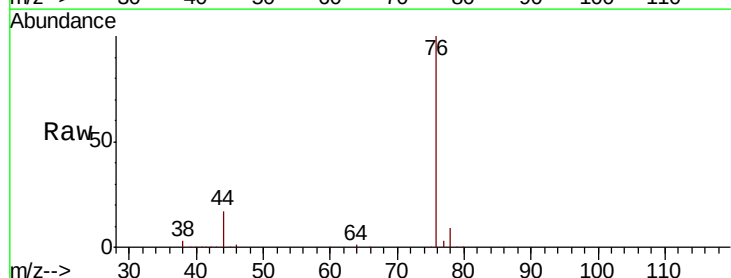
Acq: 08 May 2020 11:52

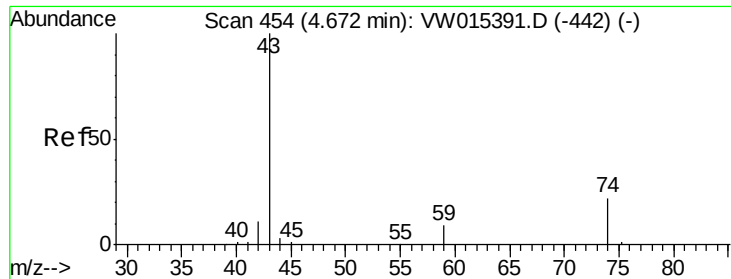
Tgt Ion: 76 Resp: 302605

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4





#15

Methyl Acetate

Concen: 26.027 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

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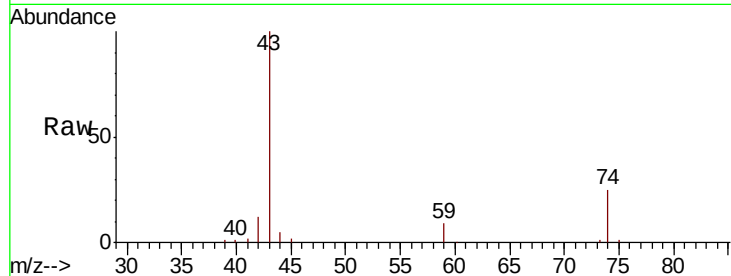
ClientSampleId :

Tot Ion: 43 Resp: 50648

Ion Ratio Lower Upper

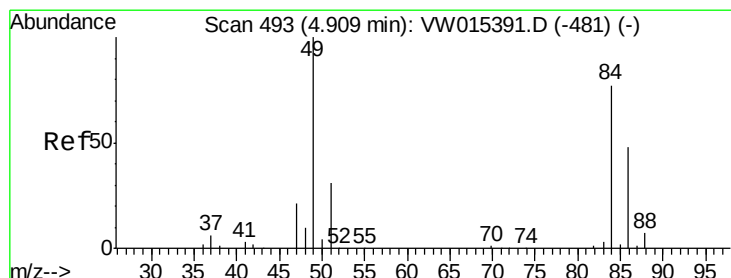
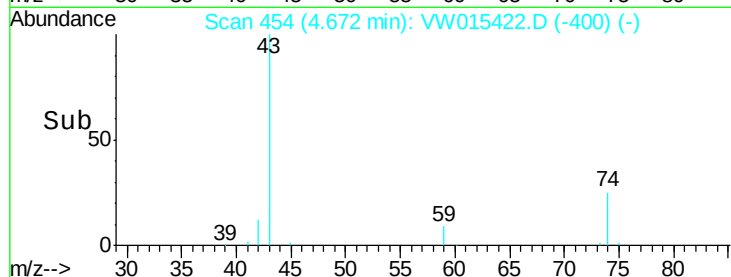
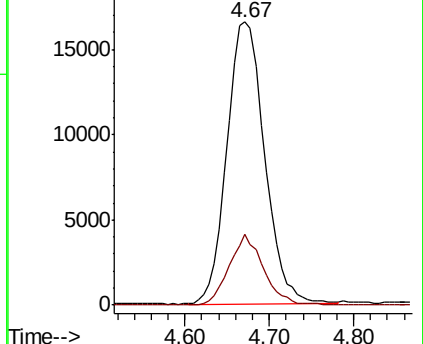
43 100

74 22.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.360 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

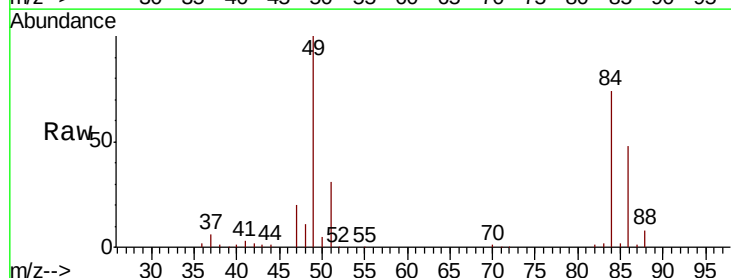
Tgt Ion: 84 Resp: 107554

Ion Ratio Lower Upper

84 100

49 135.3 91.6 170.2

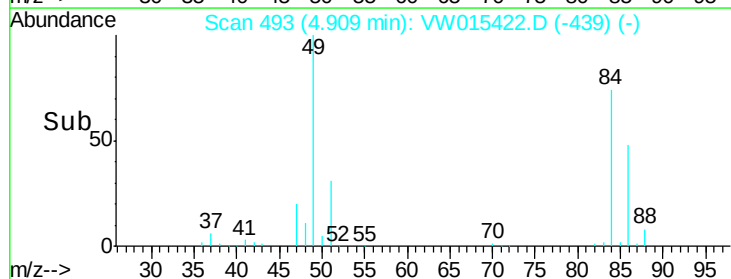
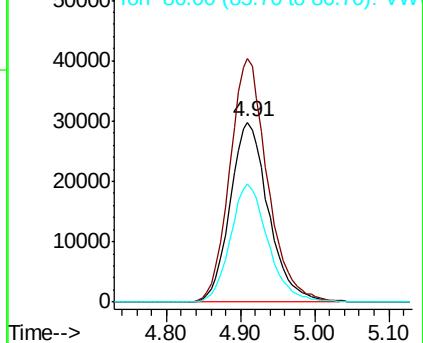
86 65.4 44.0 81.8

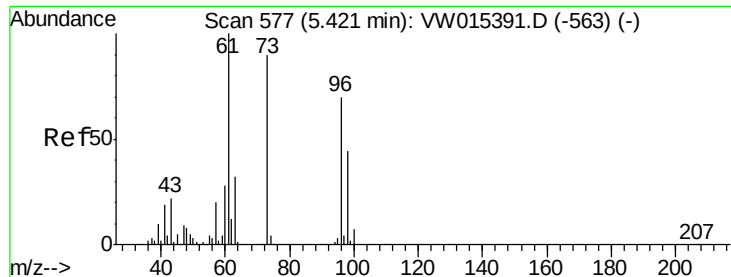


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

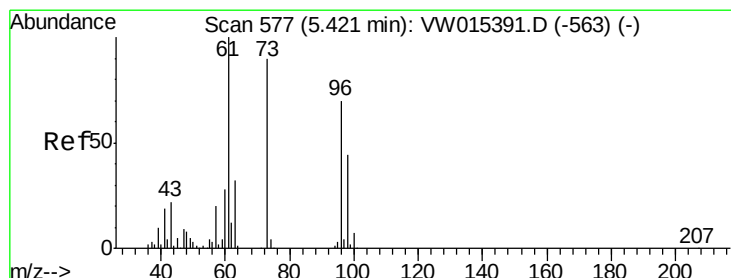
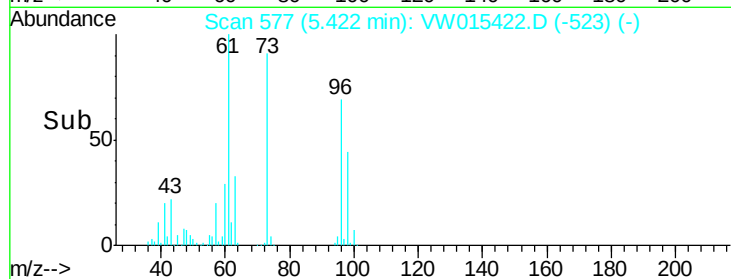
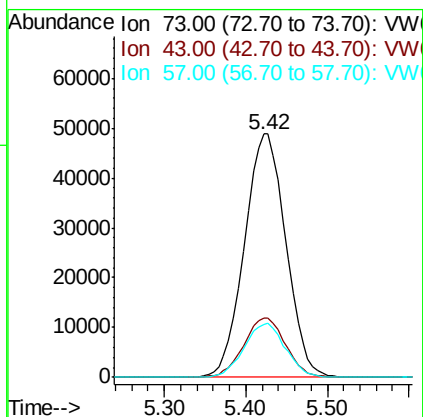
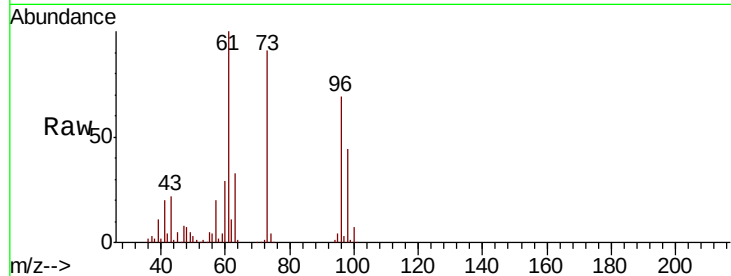




#17
Methvl tert-butyl Ether
Concen: 25.168 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

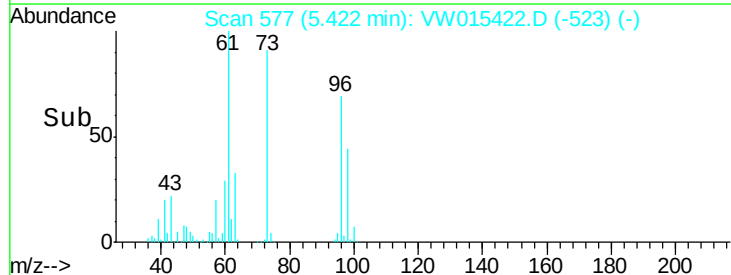
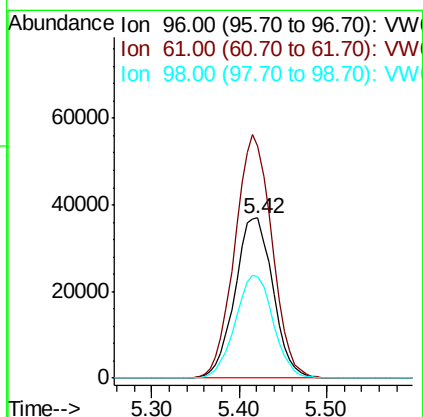
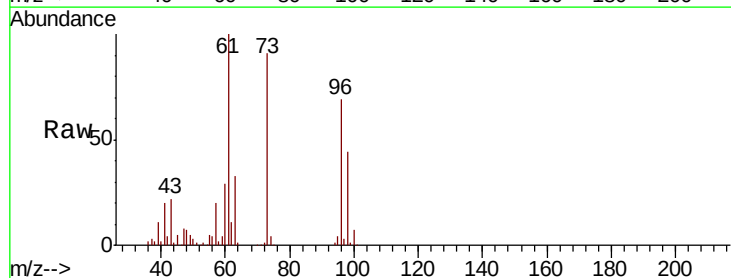
Instrument :
MSVOA_W
ClientSampleId :

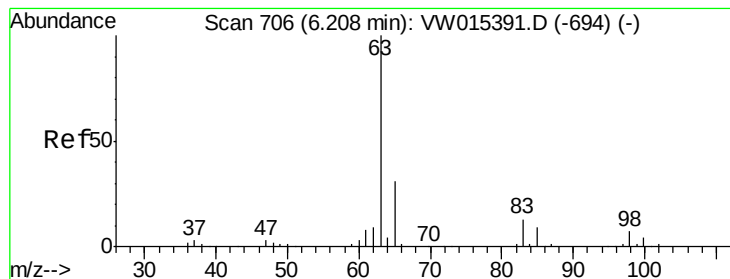
Tot Ion: 73 Resp: 172549
Ion Ratio Lower Upper
73 100
43 24.5 19.3 28.9
57 22.1 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 24.685 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion: 96 Resp: 112179
Ion Ratio Lower Upper
96 100
61 145.4 101.1 187.7
98 63.5 42.4 78.8





#19

1,1-Dichloroethane

Concen: 24.838 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

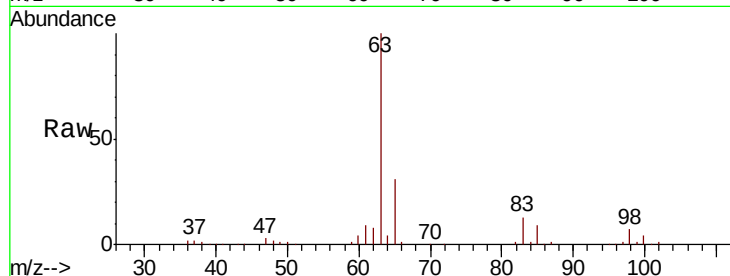
Tot Ion: 63 Resp: 212596

Ion Ratio Lower Upper

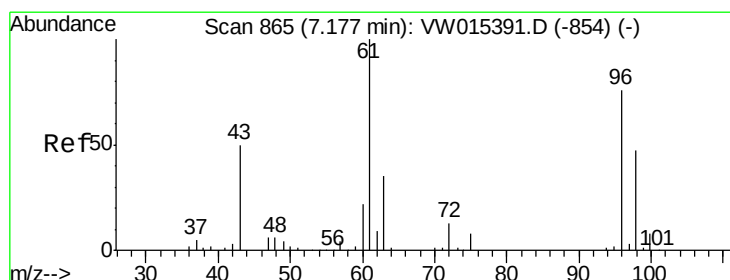
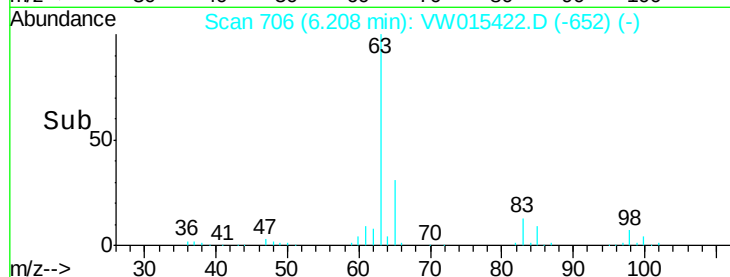
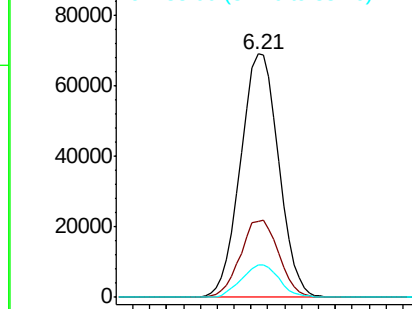
63 100

65 31.3 22.6 42.0

83 13.2 9.1 16.9



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: 51.275 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015422.D

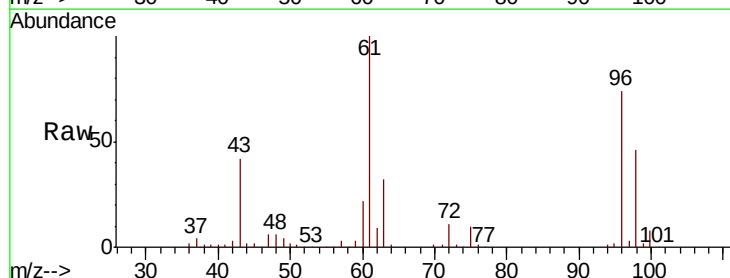
Acq: 08 May 2020 11:52

Tgt Ion: 43 Resp: 68587

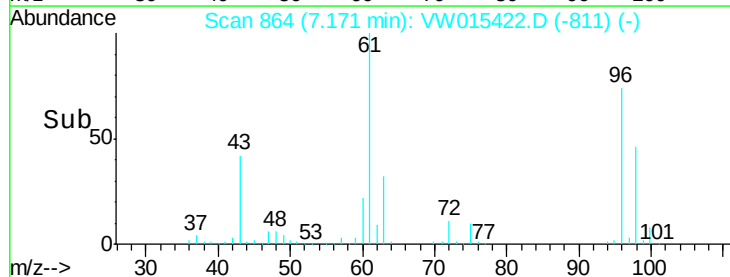
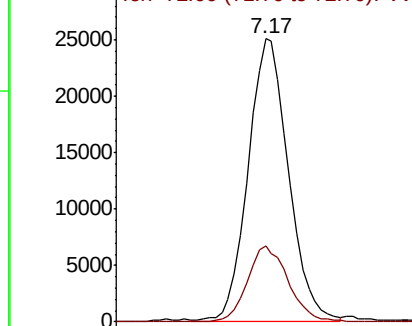
Ion Ratio Lower Upper

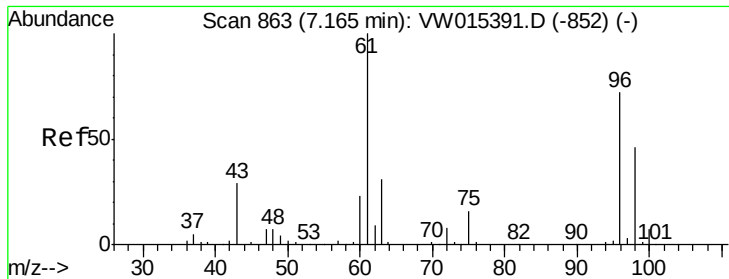
43 100

72 27.2 13.6 40.8



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



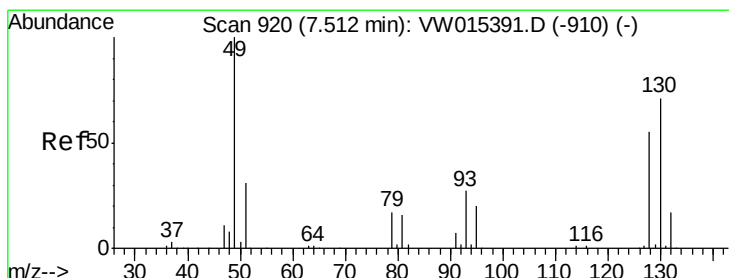
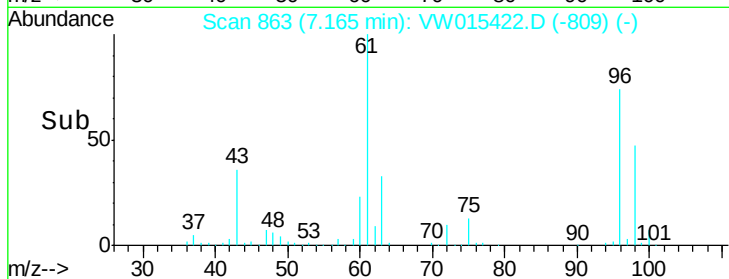
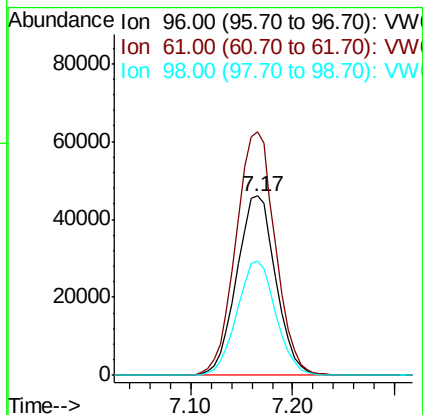
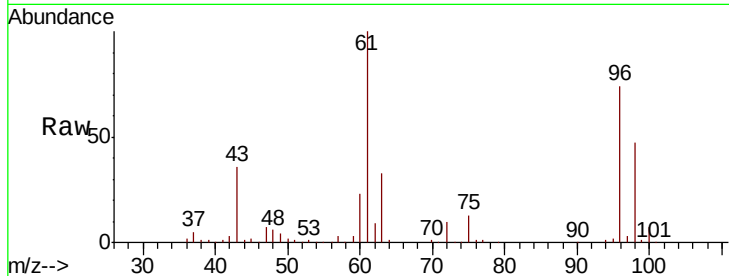


#22

cis-1,2-Dichloroethene
 Concen: 25.034 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Instrument :
 MSVOA_W
 ClientSampled :

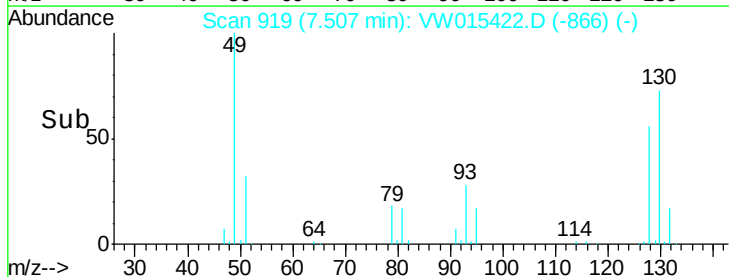
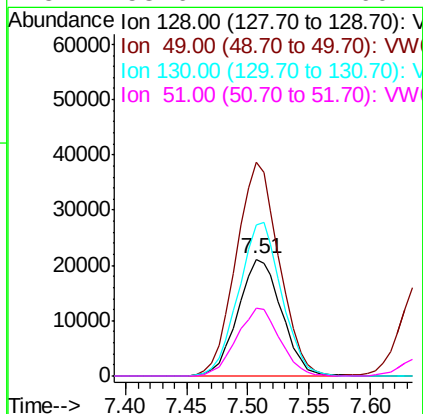
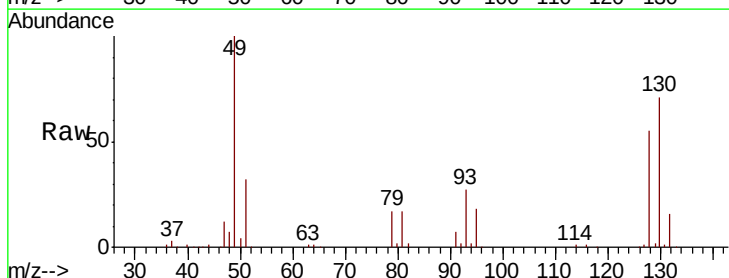
Tot Ion	96	Resp	122617
Ion Ratio	Lower	Upper	
96	100		
61	135.7	95.8	178.0
98	63.6	45.9	85.3

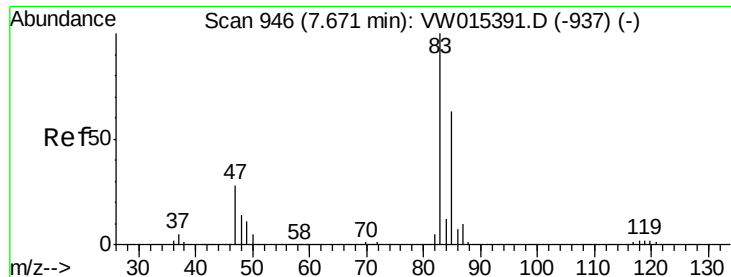


#23

Bromochloromethane
 Concen: 25.643 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion	128	Resp	52347
Ion Ratio	Lower	Upper	
128	100		
49	182.8	120.2	223.2
130	129.3	86.5	160.7
51	58.6	44.1	66.1

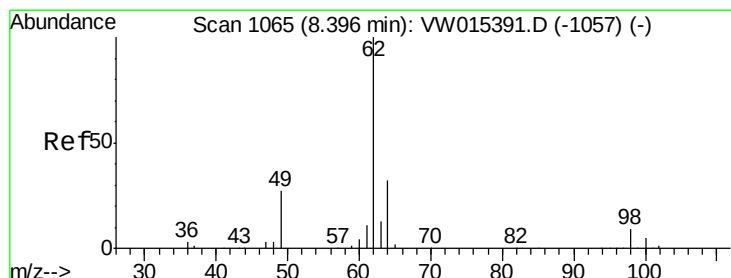
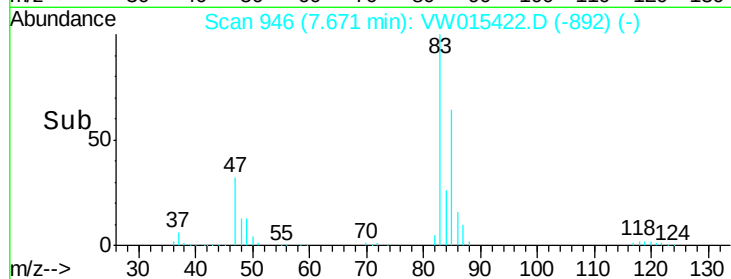
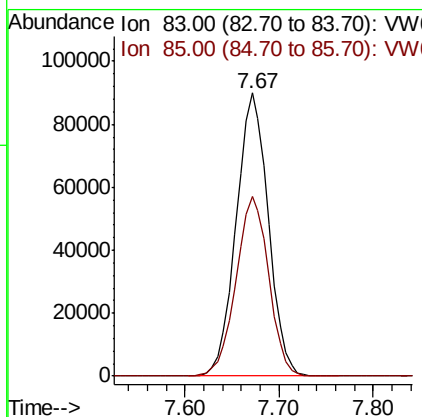
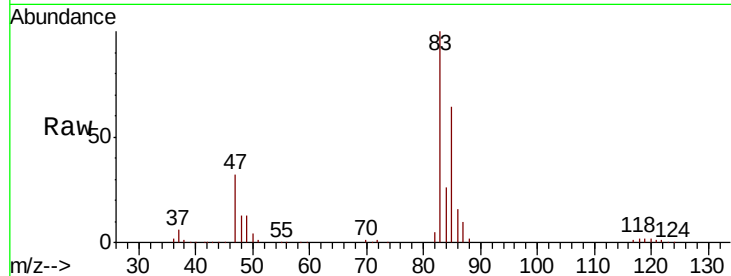




#25
Chloroform
Concen: 25.295 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

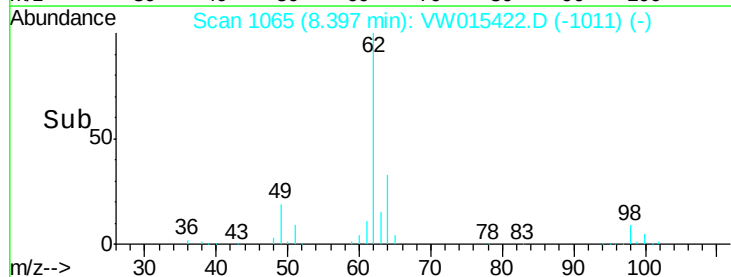
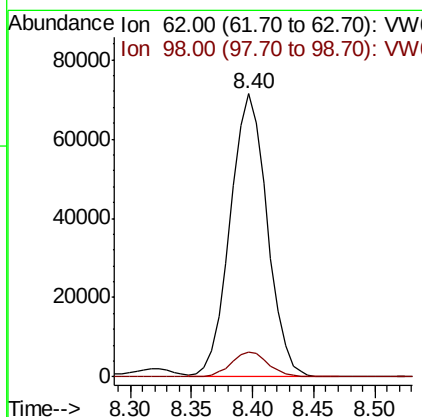
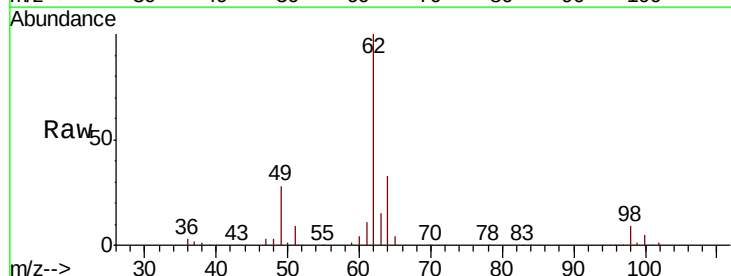
Instrument :
MSVOA_W
ClientSampled :

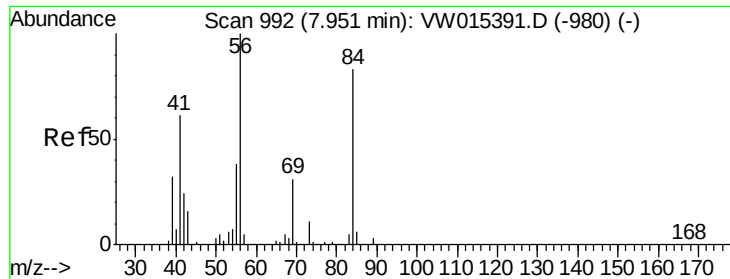
Tot Ion: 83 Resp: 214045
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.919 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion: 62 Resp: 149240
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

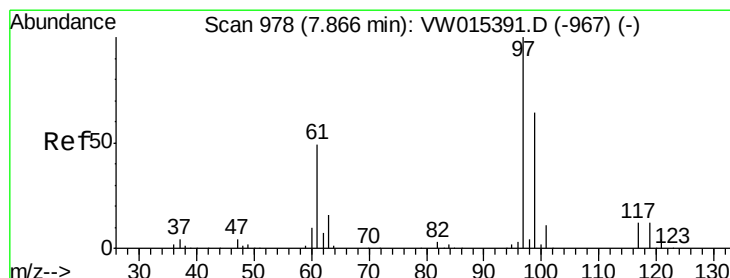
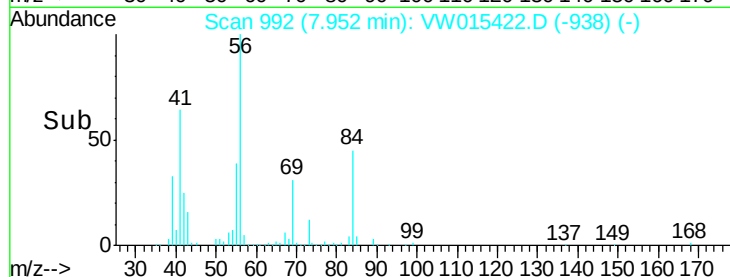
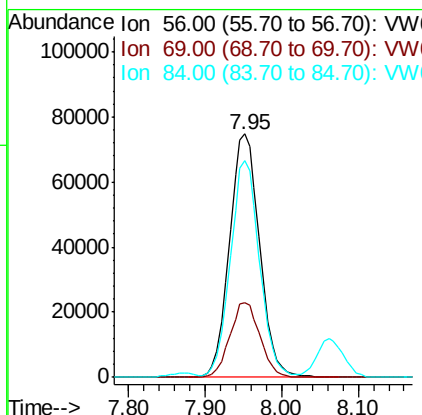
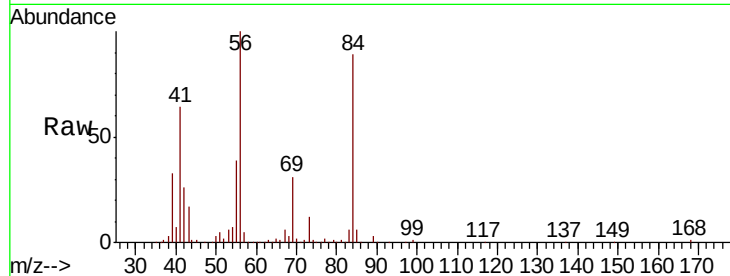




#30
Cyclohexane
Concen: 24.451 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

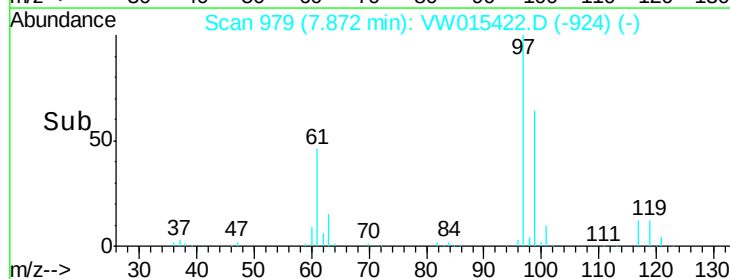
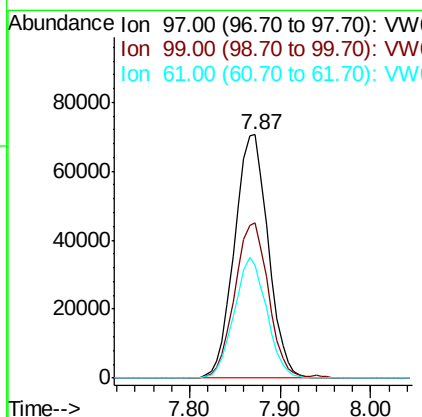
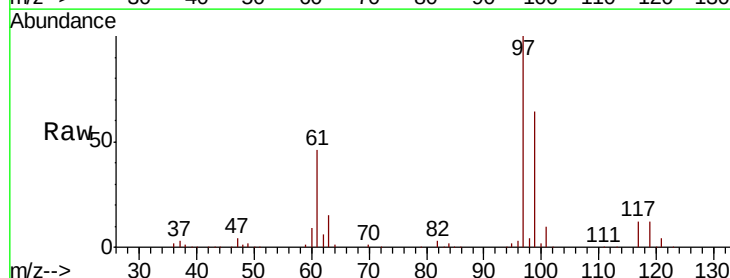
Instrument :
MSVOA_W
ClientSampled :

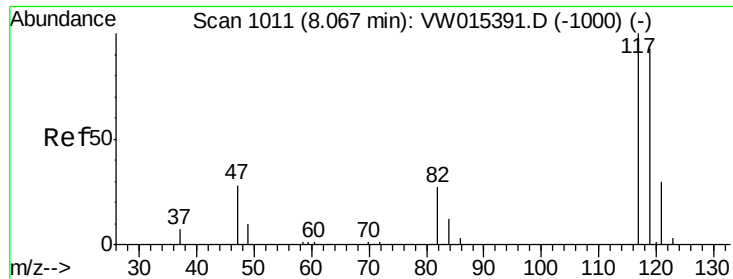
Tot Ion: 56 Resp: 203774
Ion Ratio Lower Upper
56 100
69 30.7 24.5 36.7
84 86.5 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 25.521 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion: 97 Resp: 182481
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 47.7 38.6 57.8





#32

Carbon tetrachloride

Concen: 25.406 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

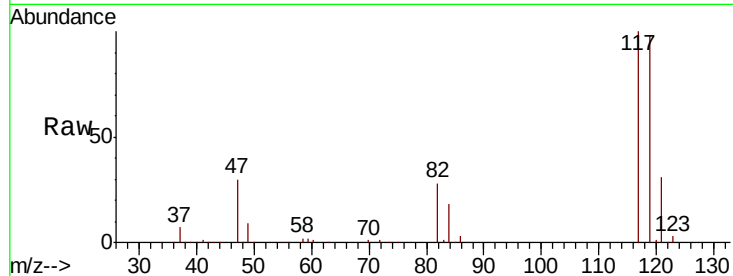
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 165320

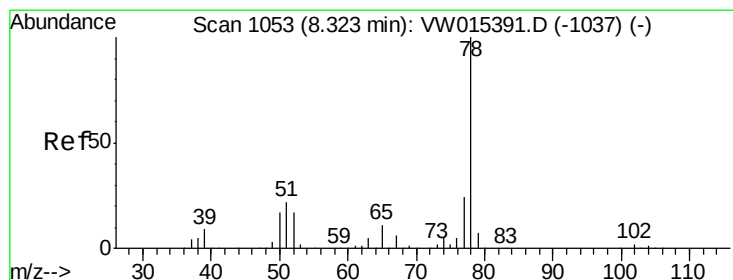
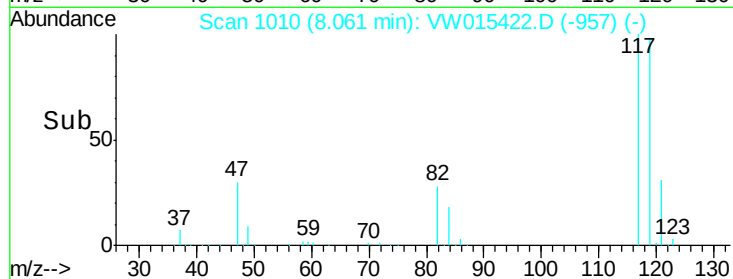
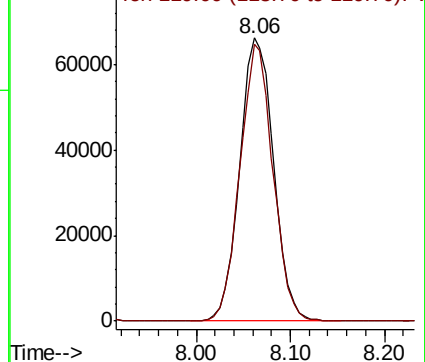
Ion Ratio Lower Upper

117 100

119 95.2 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.280 ug/L

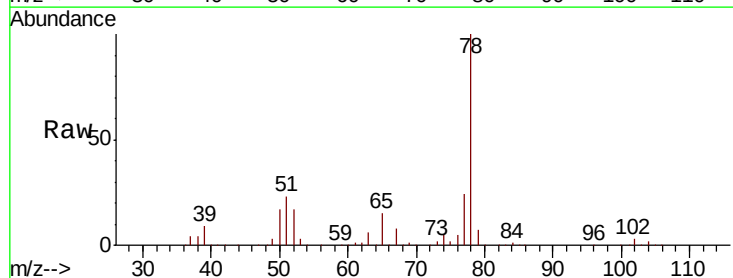
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

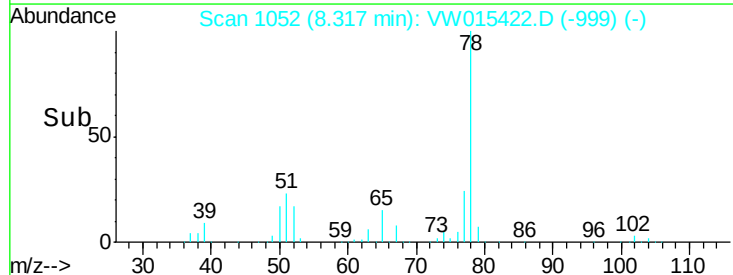
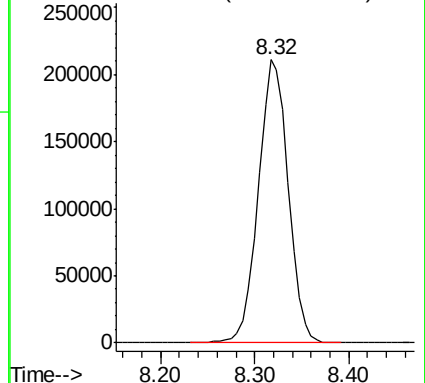
Lab File: VW015422.D

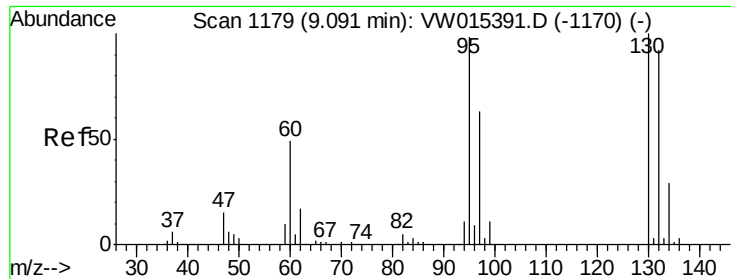
Acq: 08 May 2020 11:52

Tgt Ion: 78 Resp: 471230



Abundance Ion 78.00 (77.70 to 78.70): VW

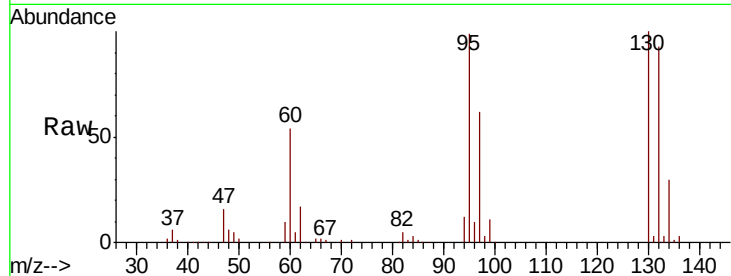




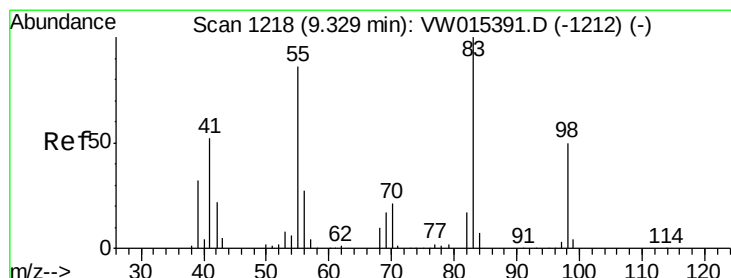
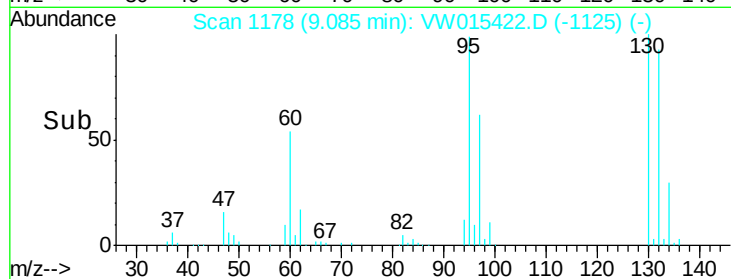
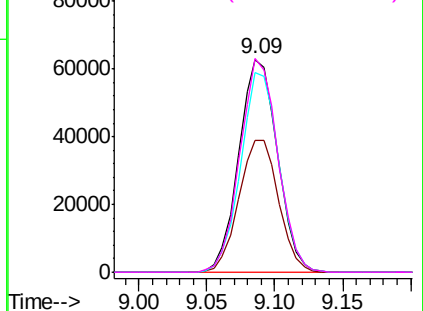
#35
 Trichloroethene
 Concen: 24.935 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 124554
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.9 83.5
 132 93.0 64.5 119.7
 130 98.5 68.5 127.3

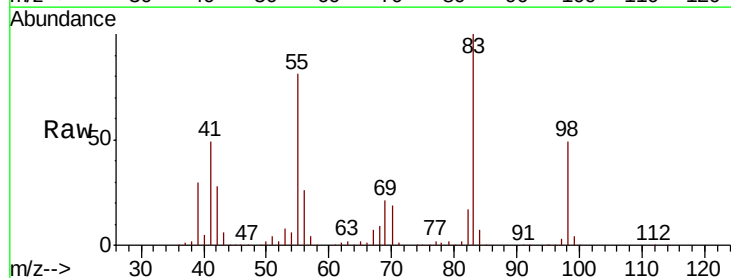


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

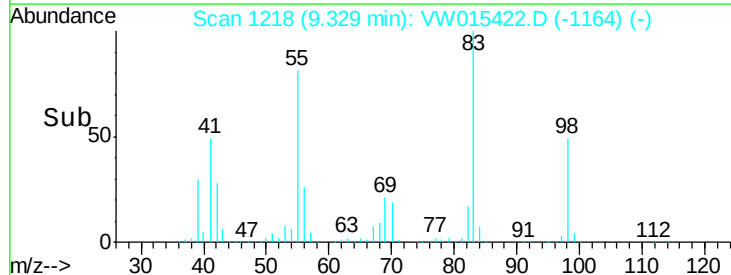
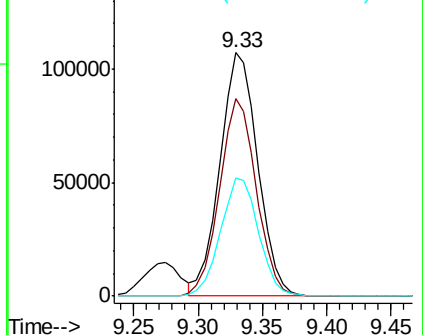


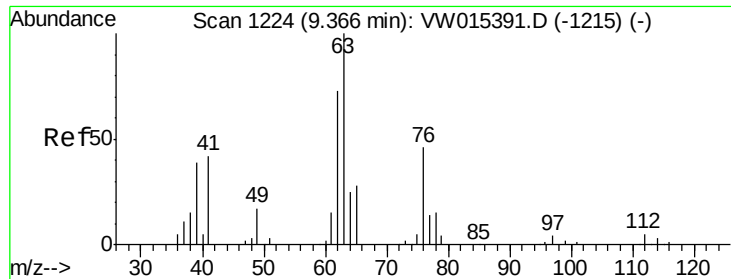
#36
 Methylcyclohexane
 Concen: 24.833 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion: 83 Resp: 220253
 Ion Ratio Lower Upper
 83 100
 55 79.0 64.5 96.7
 98 48.8 39.8 59.6



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: 25.416 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

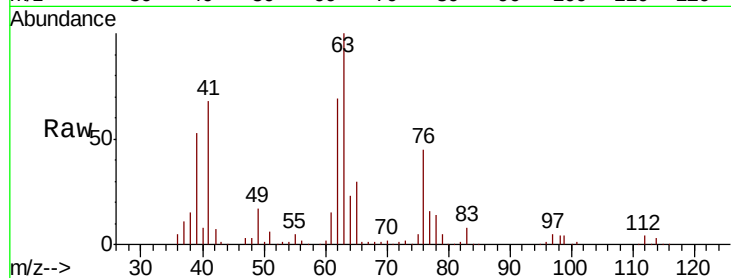
ClientSampleId :

Tot Ion: 63 Resp: 118399

Ion Ratio Lower Upper

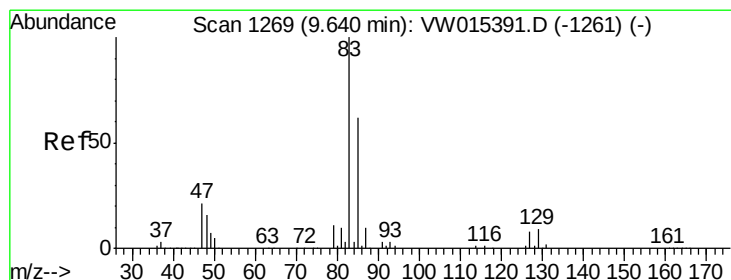
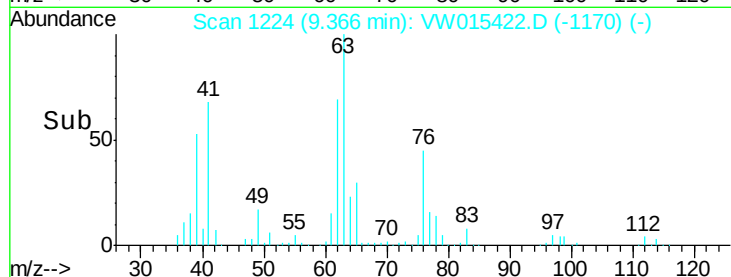
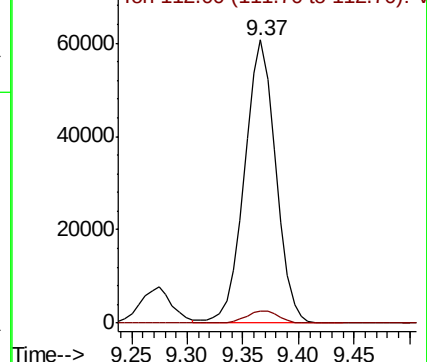
63 100

112 4.6 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.544 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

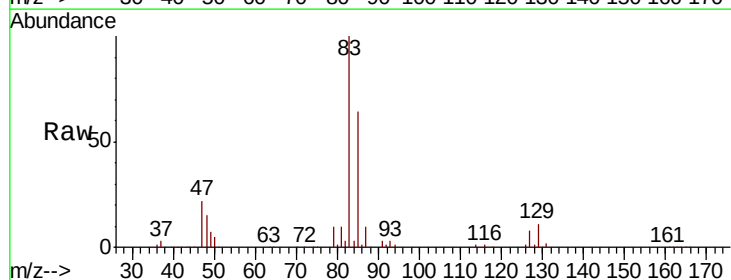
Tgt Ion: 83 Resp: 157070

Ion Ratio Lower Upper

83 100

85 63.8 44.2 82.0

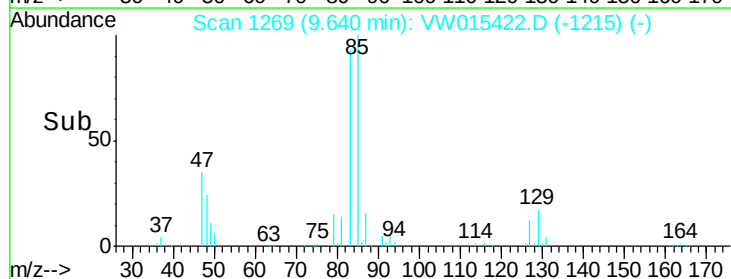
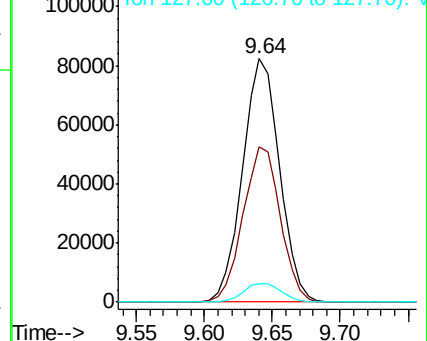
127 7.7 6.2 9.4

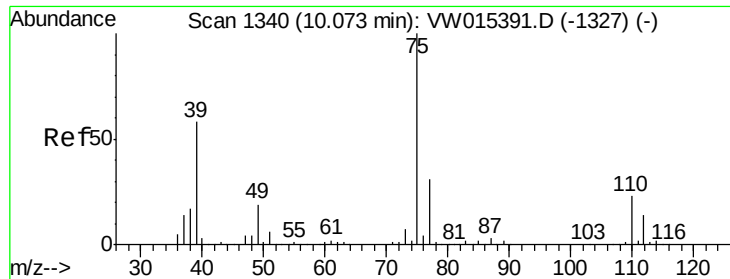


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

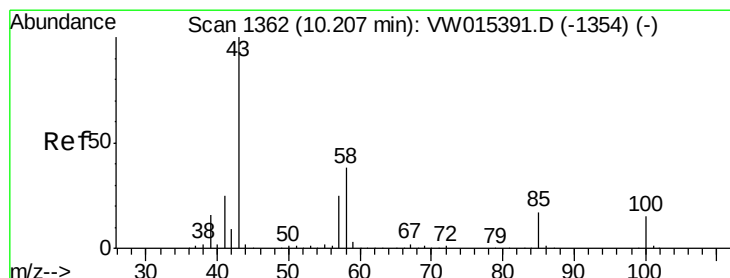
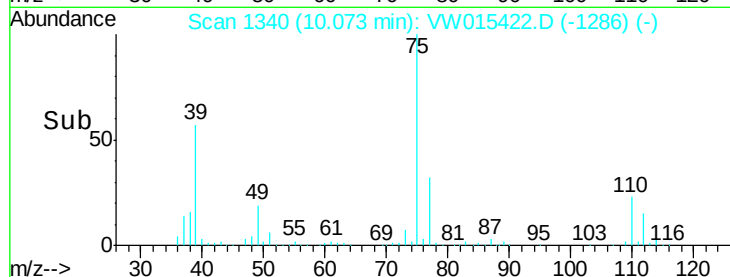
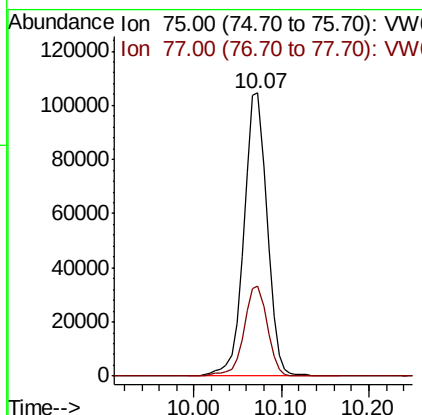
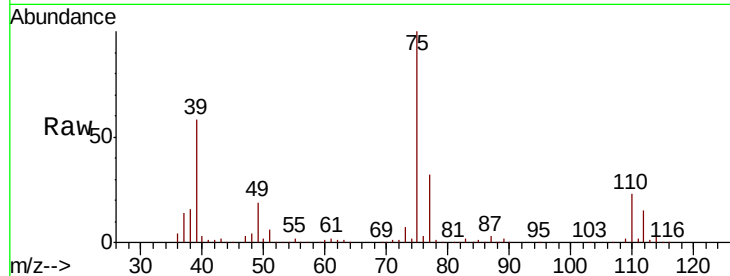




#42
 cis-1,3-Dichloropropene
 Concen: 25.614 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

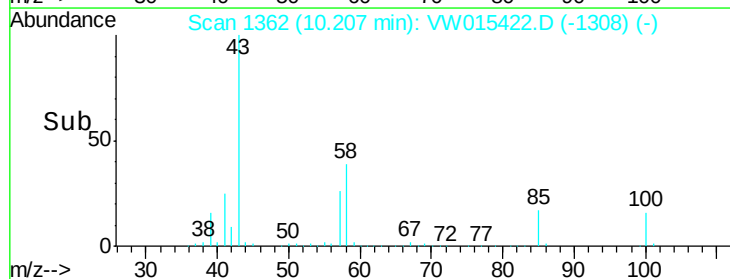
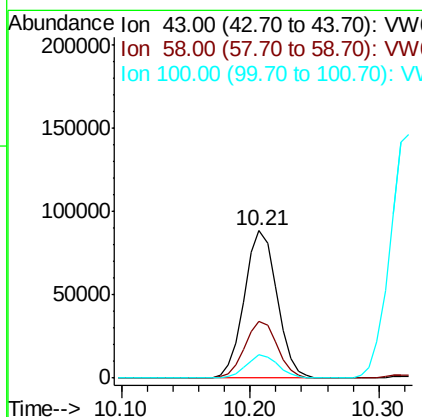
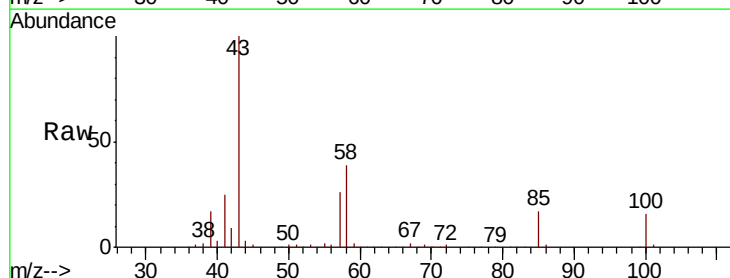
Instrument :
 MSVOA_W
 ClientSampleId :

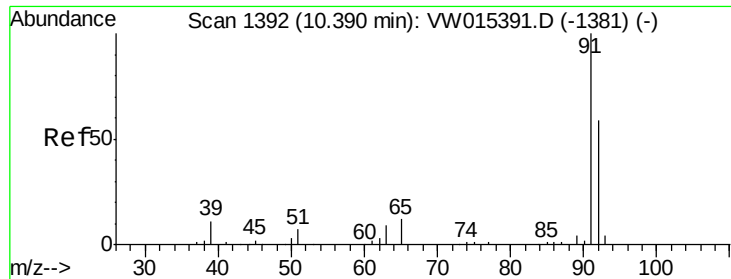
Tot Ion: 75 Resp: 192676
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#43
 4-Methyl-2-pentanone
 Concen: 49.285 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion: 43 Resp: 153823
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7
 100 15.4 12.1 18.1





#44

Toluene

Concen: 25.501 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

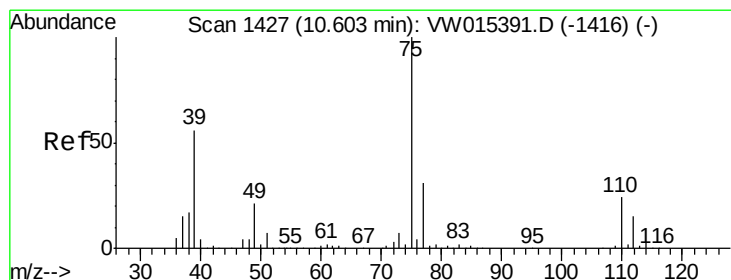
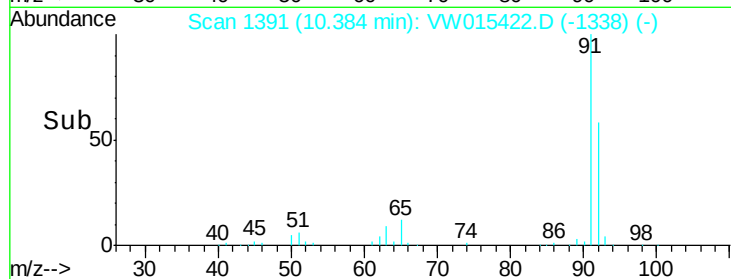
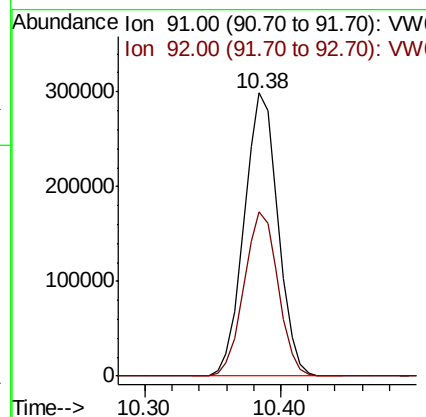
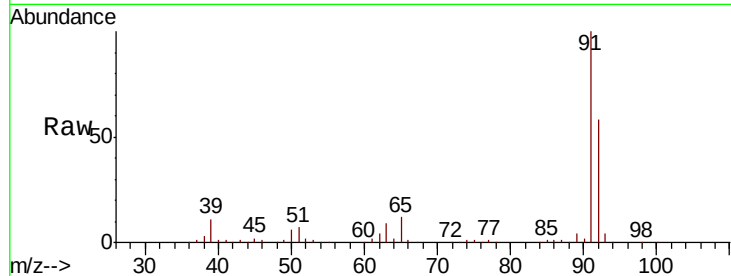
ClientSampleId :

Tot Ion: 91 Resp: 519502

Ion Ratio Lower Upper

91 100

92 57.9 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 26.234 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015422.D

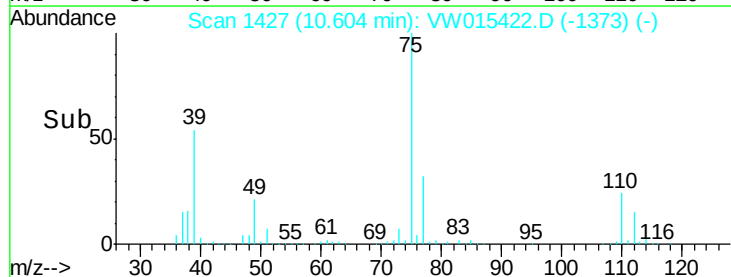
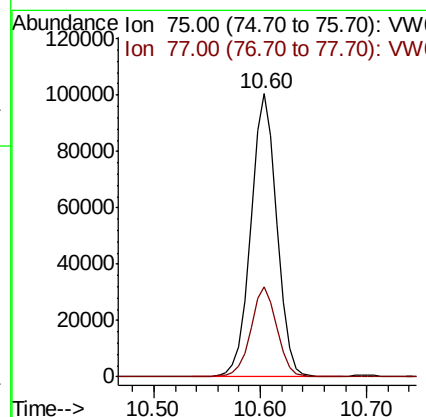
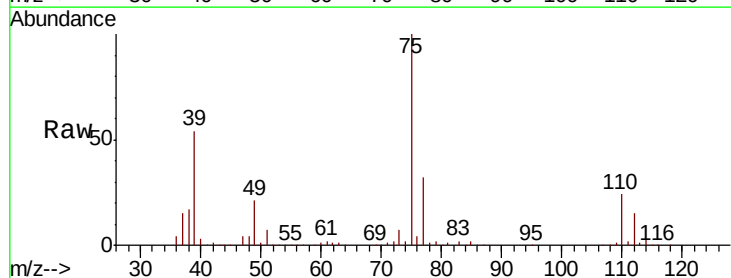
Acq: 08 May 2020 11:52

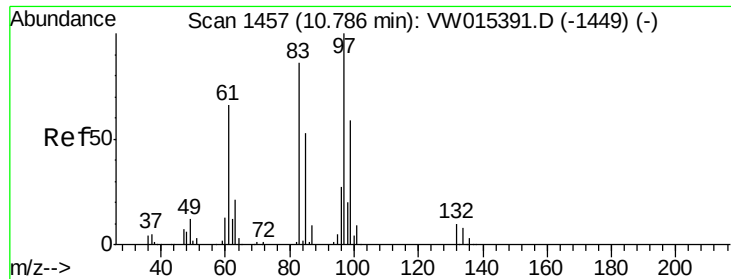
Tgt Ion: 75 Resp: 171982

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3

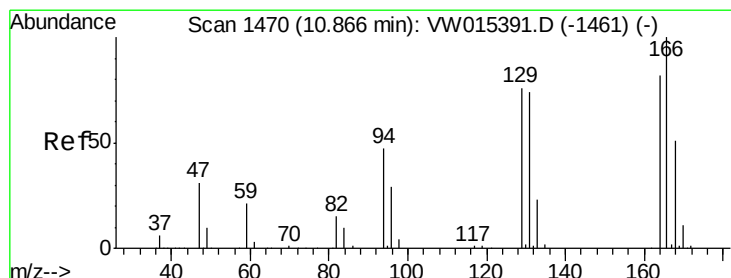
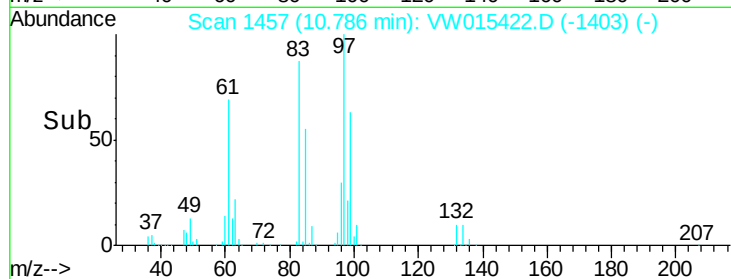
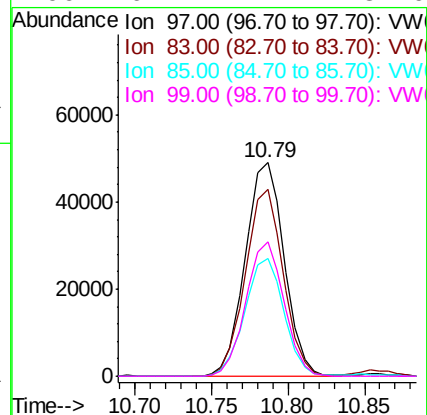
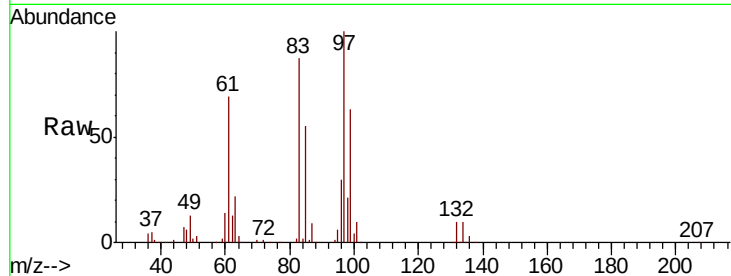




#46
 1,1,2-Trichloroethane
 Concen: 26.644 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

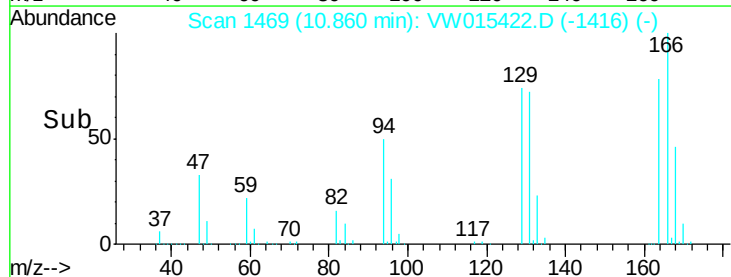
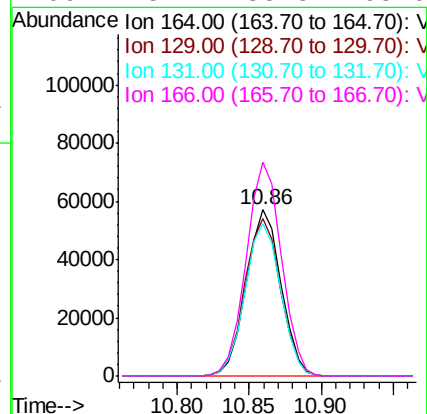
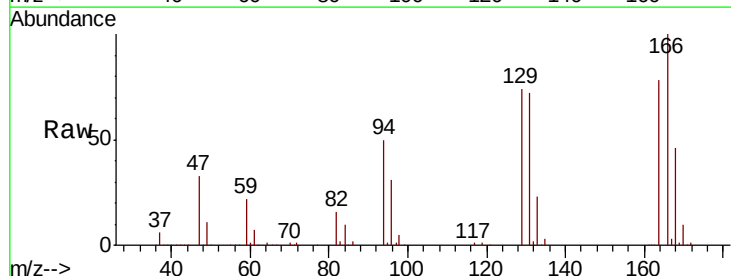
Instrument :
 MSVOA_W
 ClientSampleId :

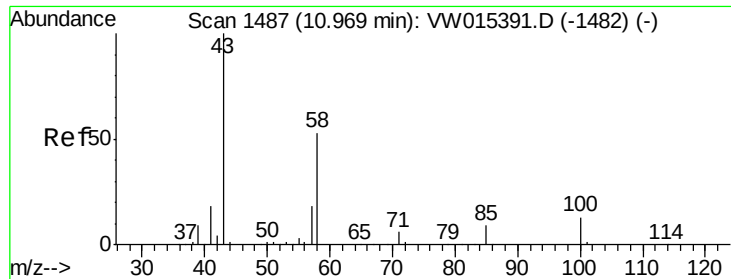
Tot Ion:	97	Resp:	87018
Ion	Ratio	Lower	Upper
97	100		
83	87.3	60.5	112.5
85	55.4	38.8	72.0
99	62.7	44.7	82.9



#47
 Tetrachloroethene
 Concen: 25.509 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion:	164	Resp:	95589
Ion	Ratio	Lower	Upper
164	100		
129	94.7	65.8	122.2
131	91.9	63.7	118.3
166	128.4	88.8	165.0





#49

2-Hexanone

Concen: 55.606 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 109350

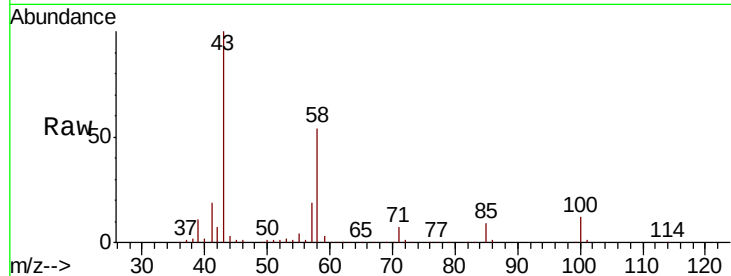
Ion Ratio Lower Upper

43 100

58 52.4 41.5 62.3

57 19.0 15.3 22.9

100 11.8 9.5 14.3

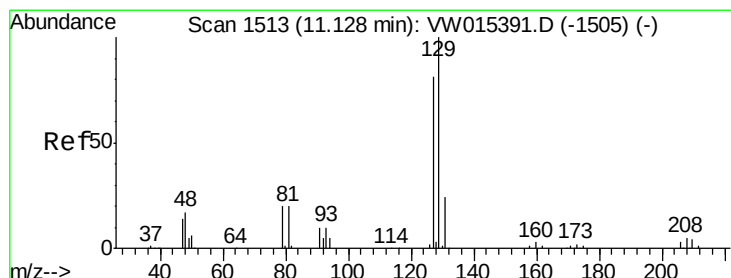
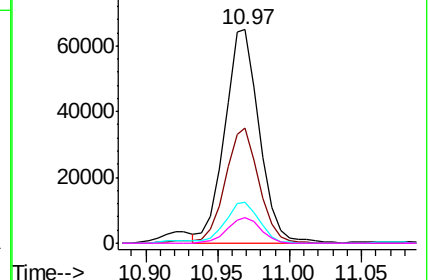
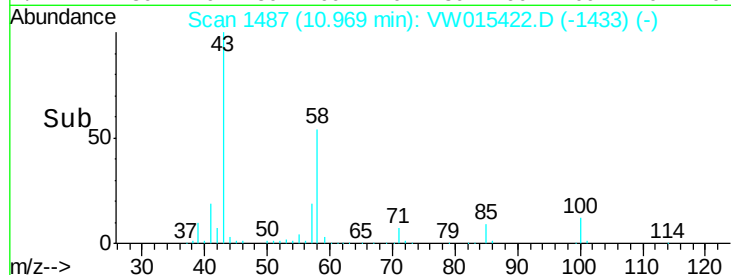


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.956 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015422.D

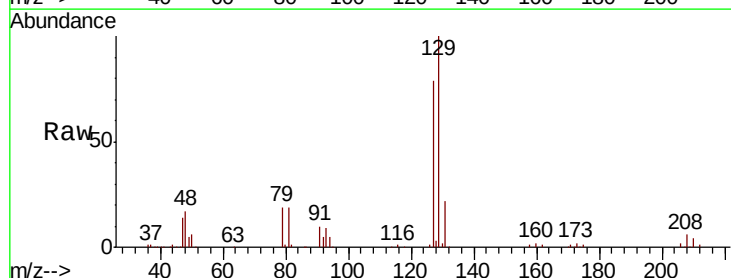
Acq: 08 May 2020 11:52

Tgt Ion: 129 Resp: 102551

Ion Ratio Lower Upper

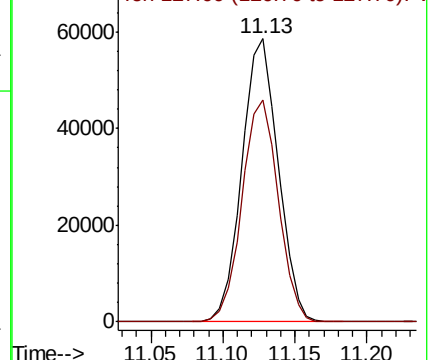
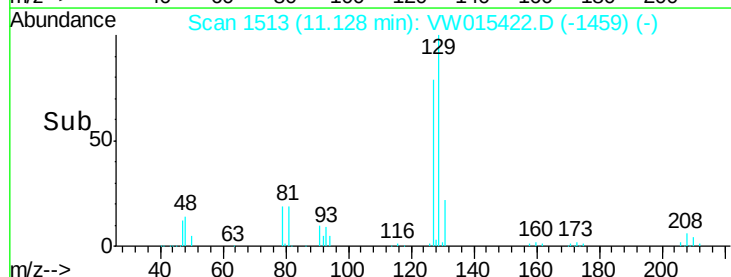
129 100

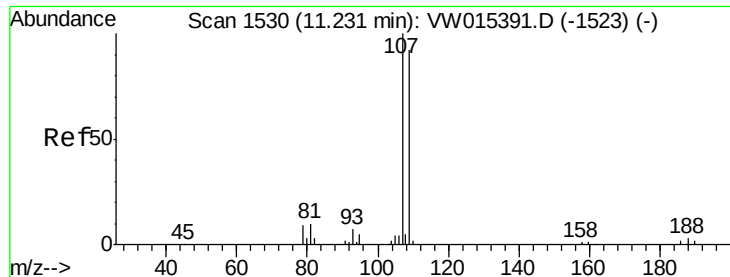
127 78.6 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

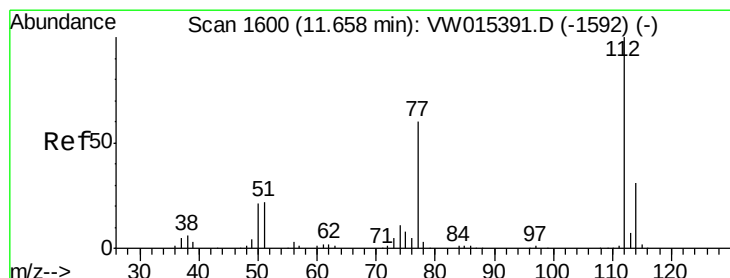
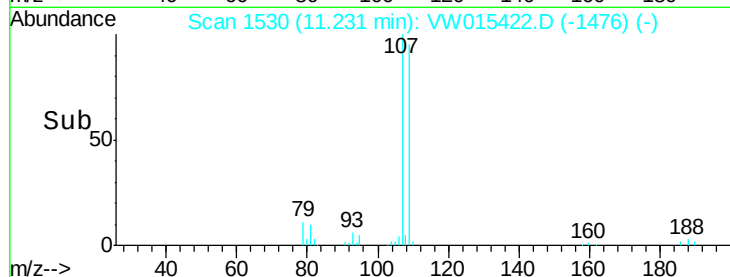
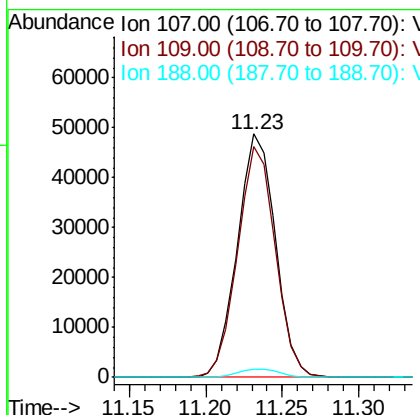
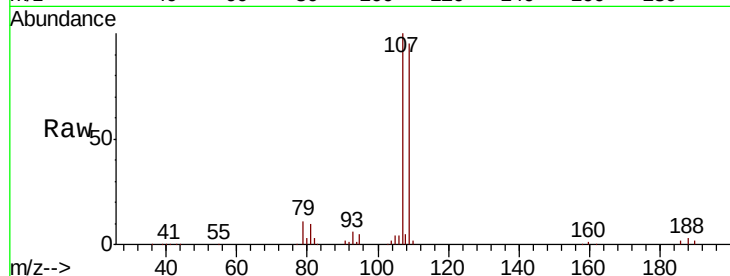




#51
1,2-Dibromoethane
Concen: 27.075 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

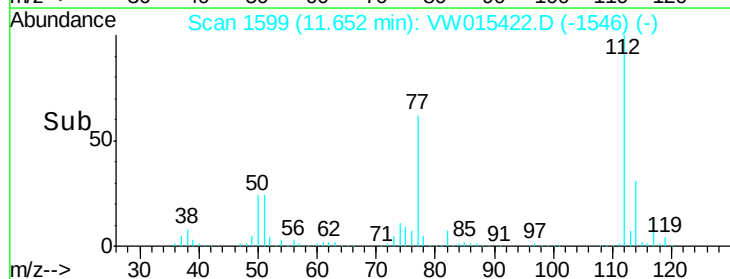
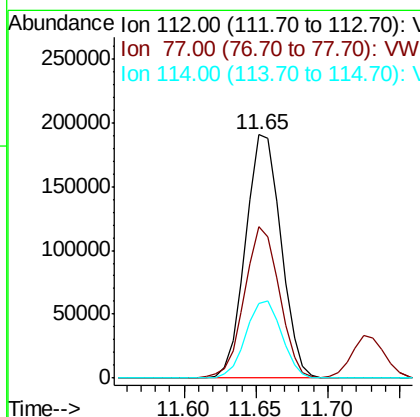
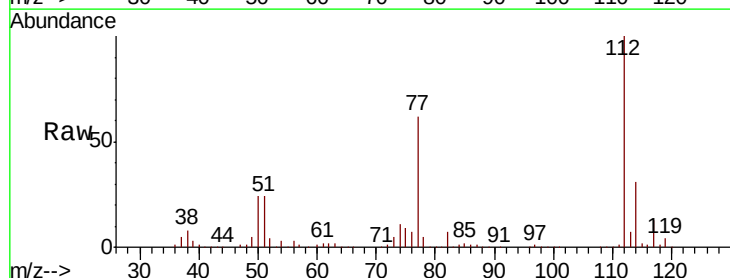
Instrument :
MSVOA_W
ClientSampleId :

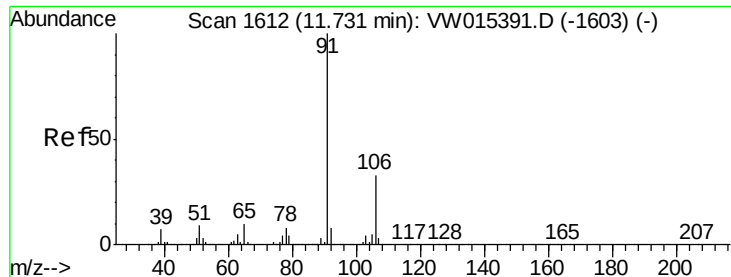
Tot Ion:107 Resp: 84383
Ion Ratio Lower Upper
107 100
109 94.6 66.2 123.0
188 3.4 2.9 4.3



#52
Chlorobenzene
Concen: 25.312 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion:112 Resp: 325326
Ion Ratio Lower Upper
112 100
77 62.0 48.6 73.0
114 30.9 21.2 39.4

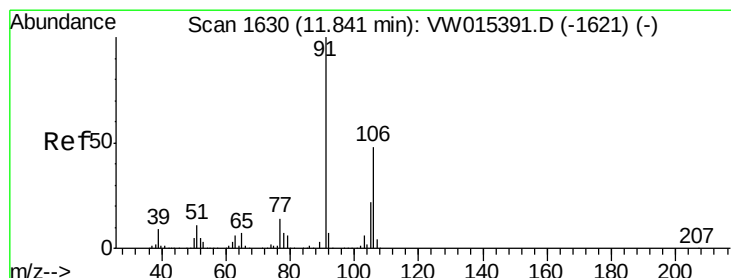
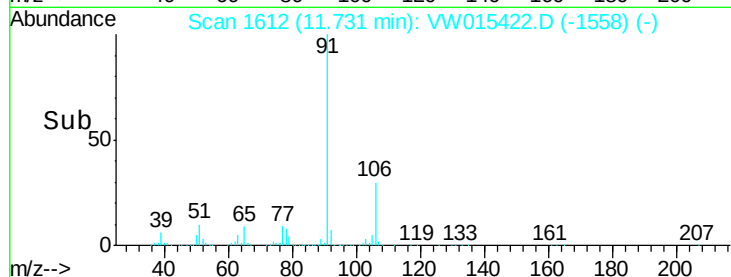
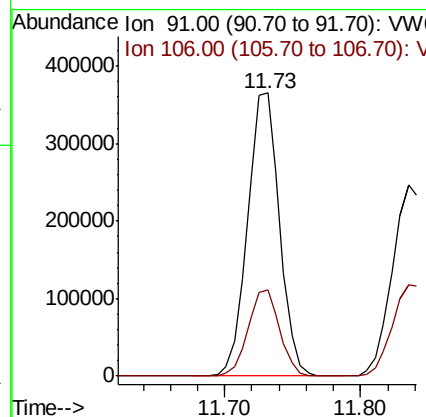
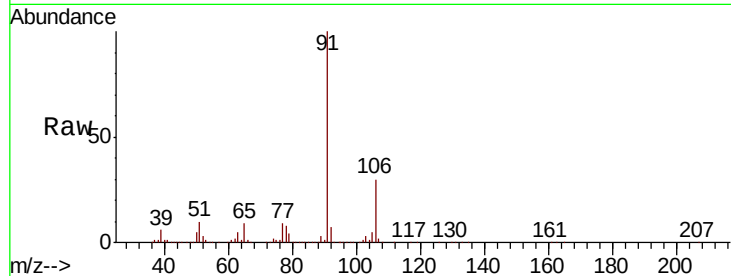




#53
Ethylbenzene
Concen: 25.249 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

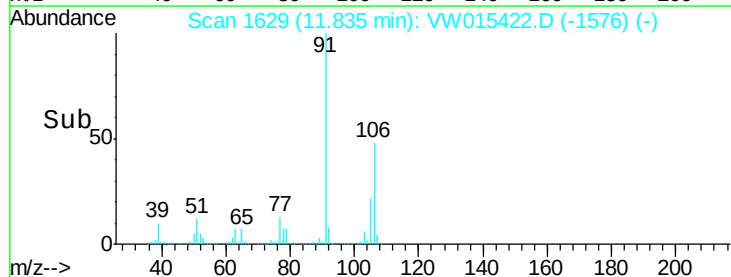
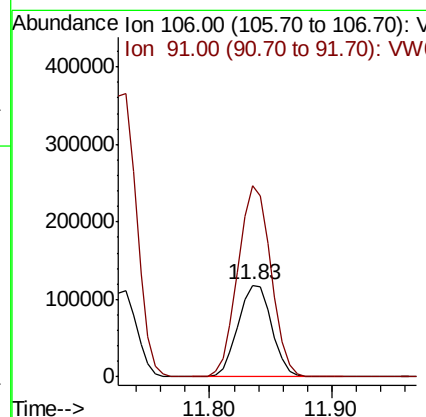
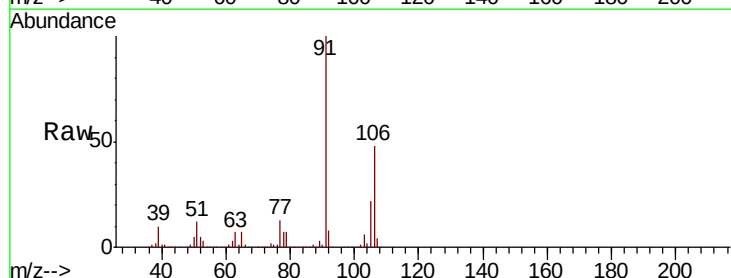
Instrument :
MSVOA_W
ClientSampled :

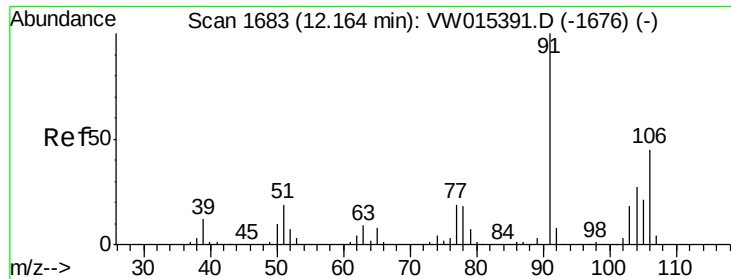
Tot Ion: 91 Resp: 599895
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#54
m,p-Xylene
Concen: 25.380 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion: 106 Resp: 225277
Ion Ratio Lower Upper
106 100
91 207.4 145.0 269.4

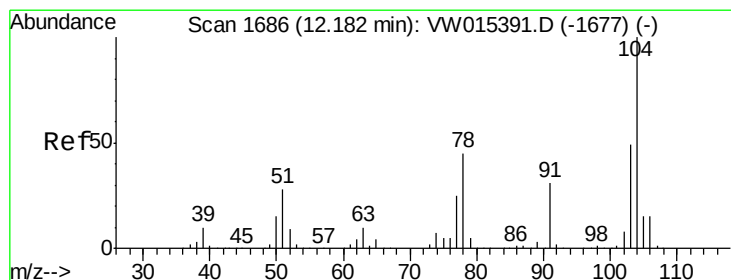
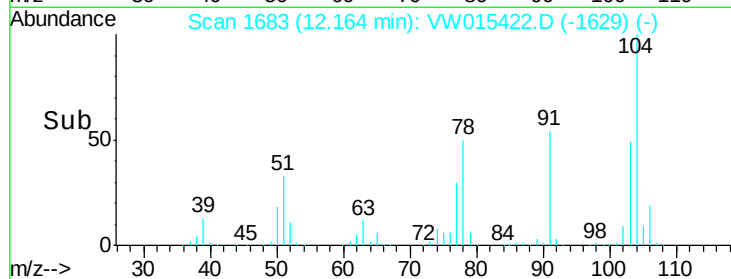
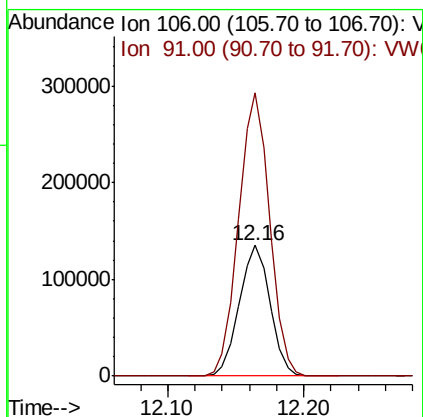
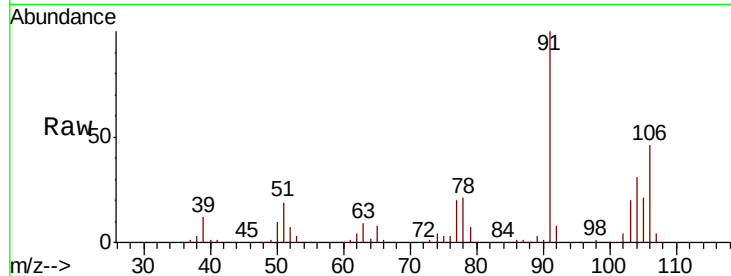




#55
o-xylene
Concen: 25.104 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

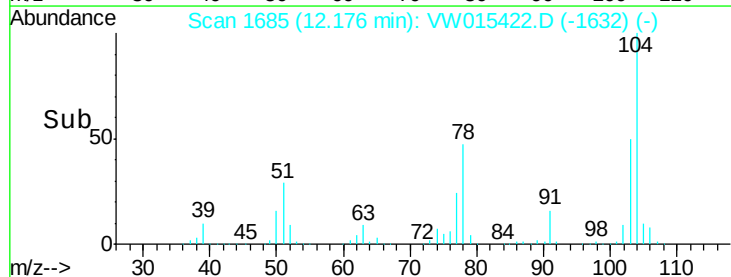
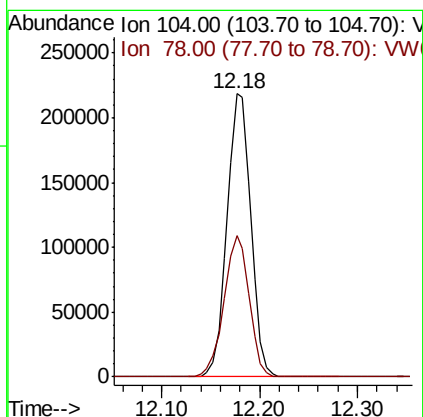
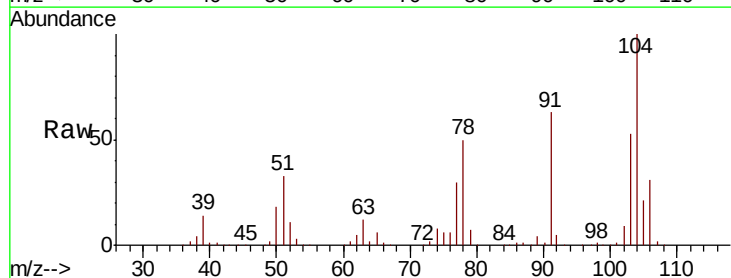
Instrument :
MSVOA_W
ClientSampled :

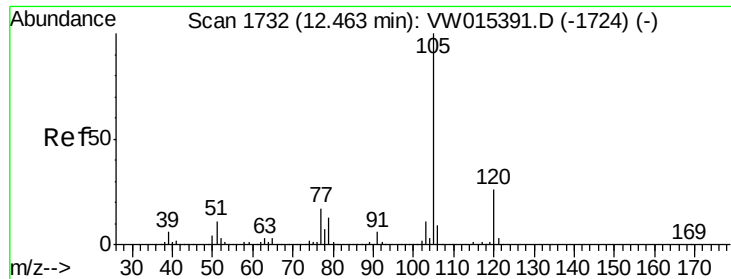
Tot Ion:106 Resp: 214373
Ion Ratio Lower Upper
106 100
91 216.8 152.3 282.9



#56
Styrene
Concen: 25.230 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015422.D
Acq: 08 May 2020 11:52

Tgt Ion:104 Resp: 367854
Ion Ratio Lower Upper
104 100
78 49.9 32.4 60.2





#57

Isopropylbenzene

Concen: 25.165 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

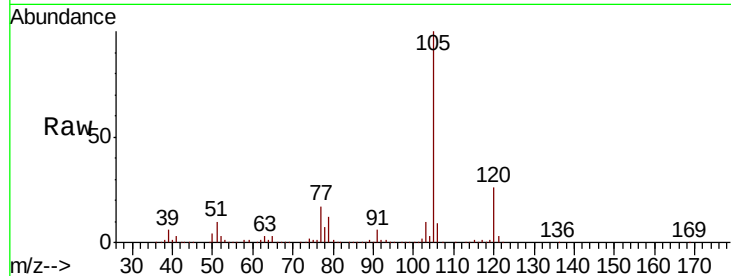
Tot Ion:105 Resp: 593615

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

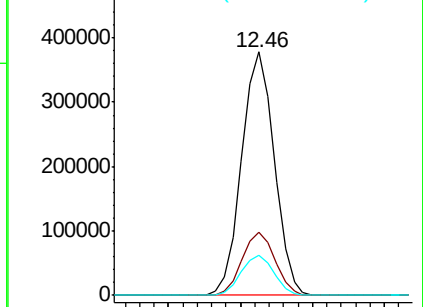
77 16.7 13.3 19.9



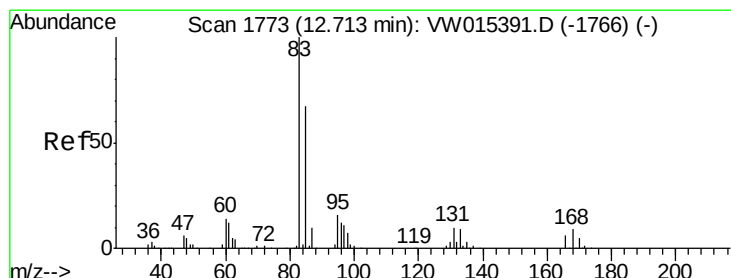
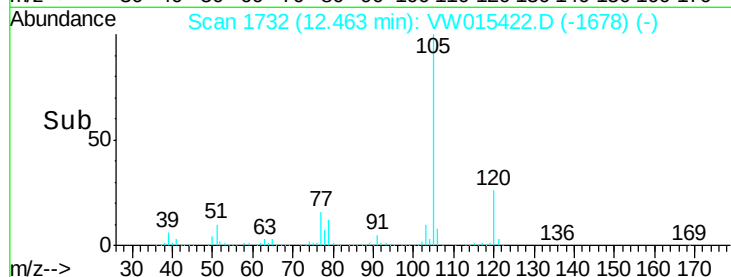
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 27.502 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

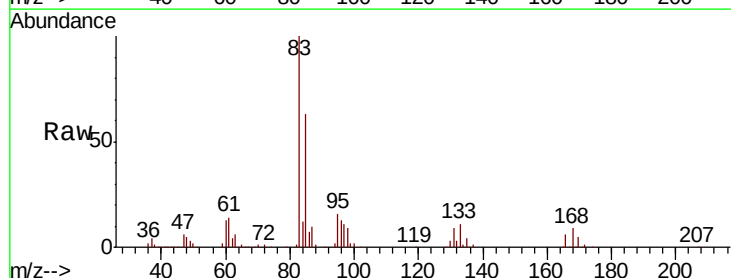
Tgt Ion: 83 Resp: 106842

Ion Ratio Lower Upper

83 100

85 62.8 46.3 86.1

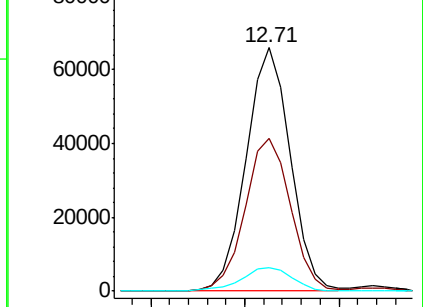
131 9.5 7.9 11.9



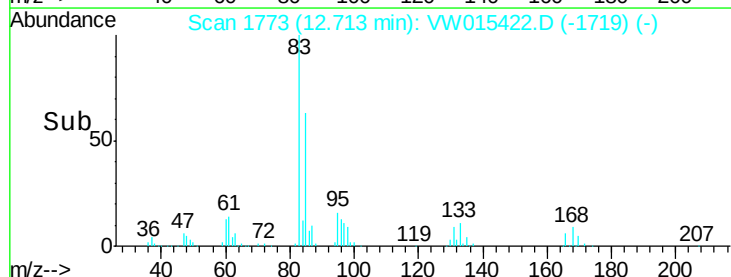
Abundance Ion 83.00 (82.70 to 83.70): VW

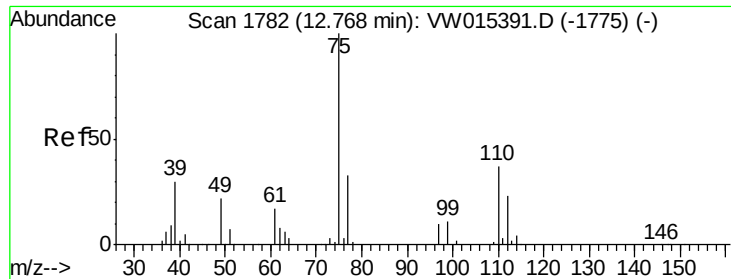
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->

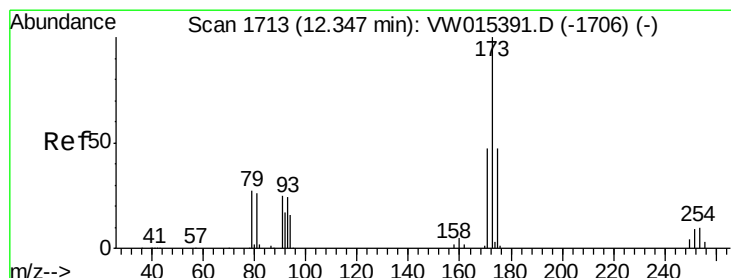
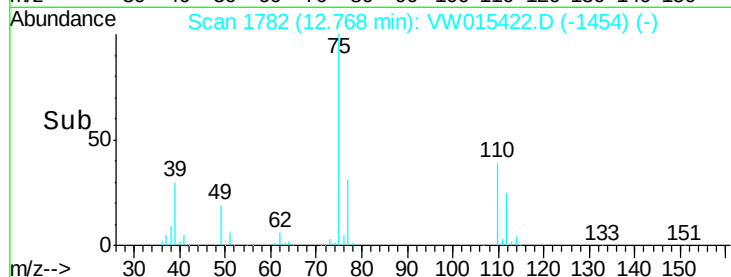
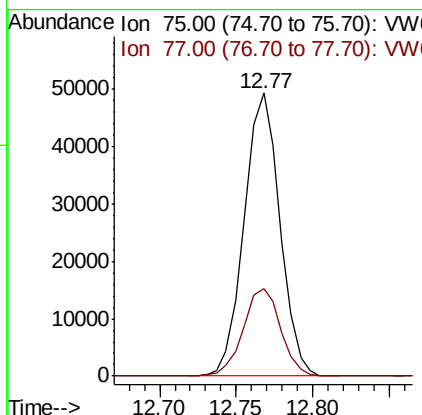
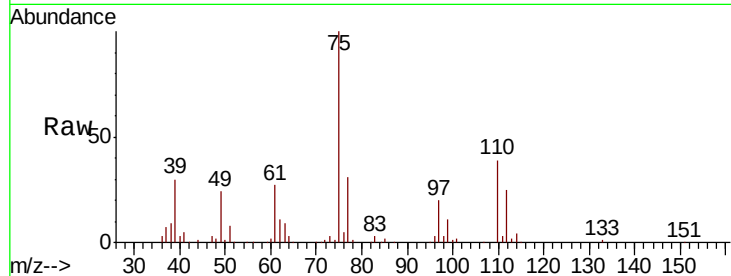




#59
 1,2,3-Trichloropropane
 Concen: 27.164 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

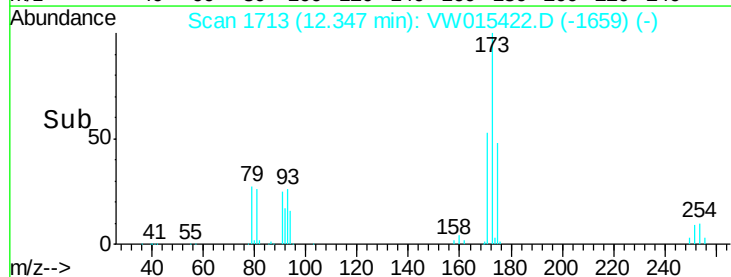
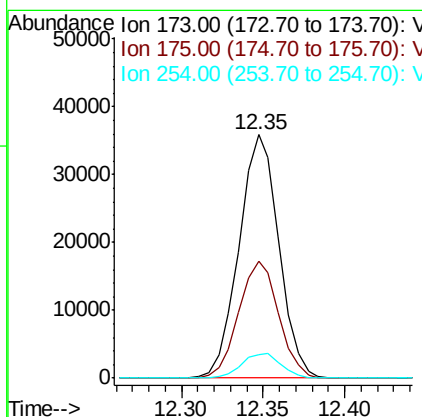
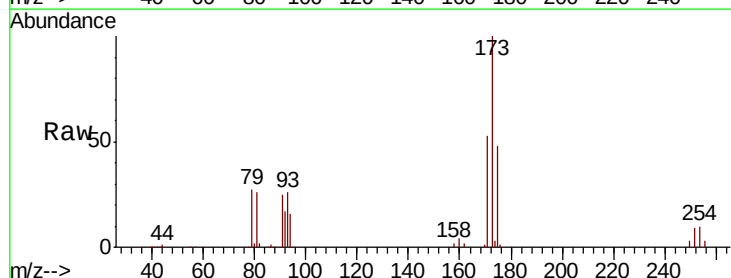
Instrument :
 MSVOA_W
 ClientSampled :

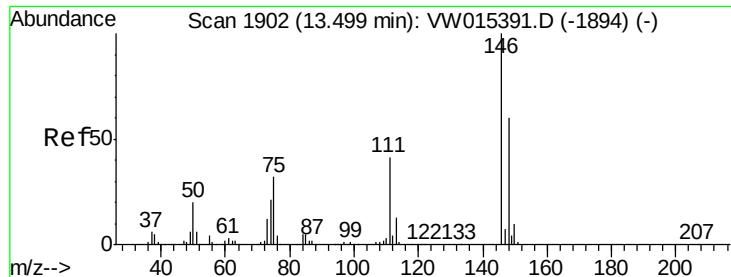
Tot Ion: 75 Resp: 80153
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#62
 Bromoform
 Concen: 26.403 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion: 173 Resp: 60923
 Ion Ratio Lower Upper
 173 100
 175 48.1 40.7 61.1
 254 10.1 7.6 11.4





#63

1,3-Dichlorobenzene

Concen: 25.279 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

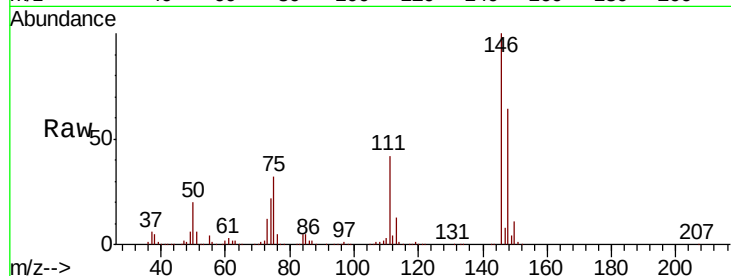
Tot Ion:146 Resp: 251125

Ion Ratio Lower Upper

146 100

111 42.0 27.9 51.9

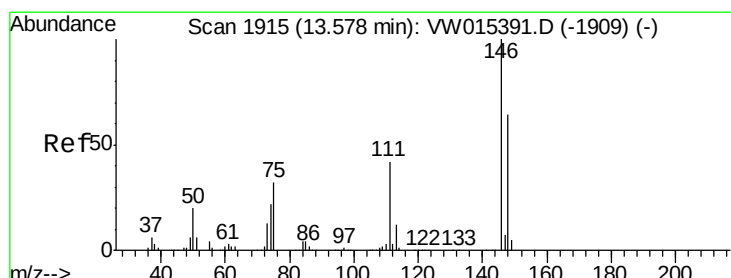
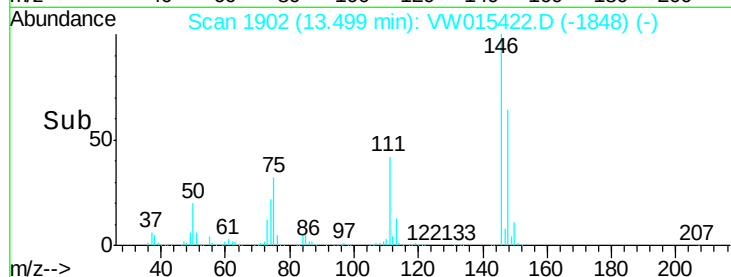
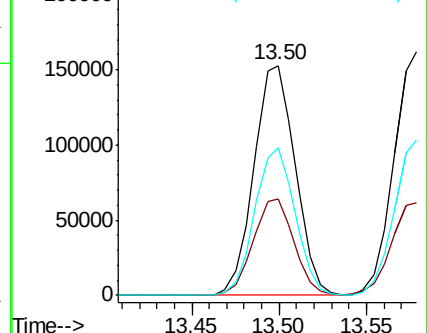
148 64.2 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.454 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

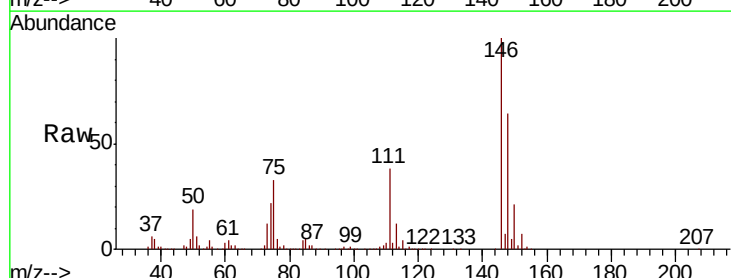
Tgt Ion:146 Resp: 251745

Ion Ratio Lower Upper

146 100

111 37.8 28.2 52.4

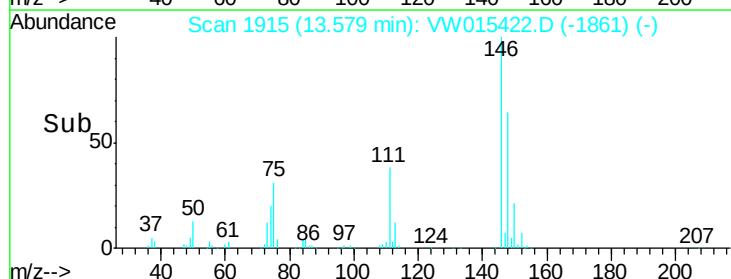
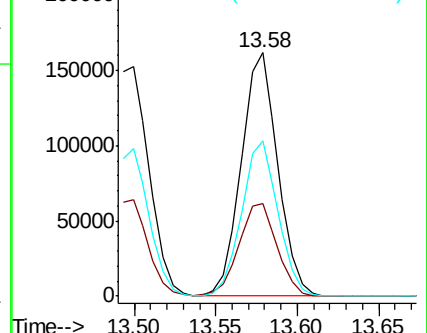
148 63.5 43.8 81.3

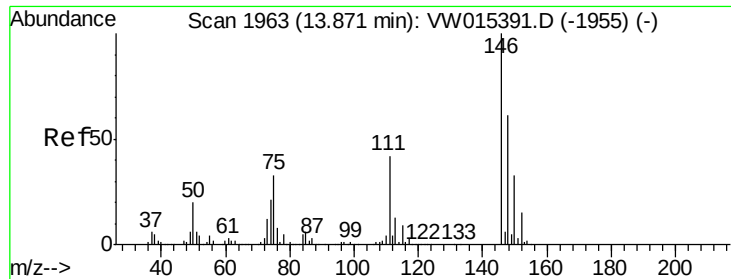


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

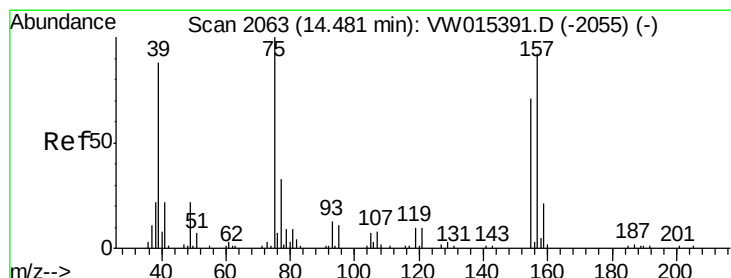
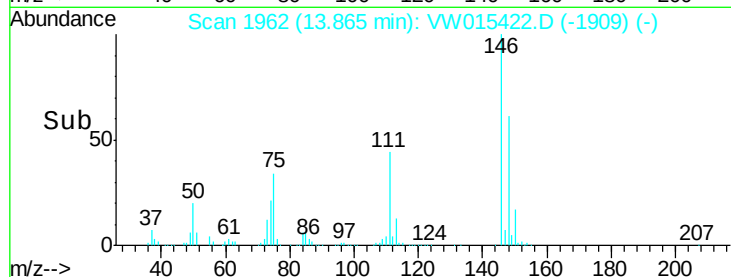
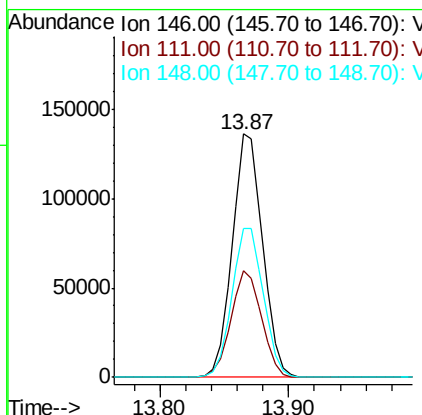
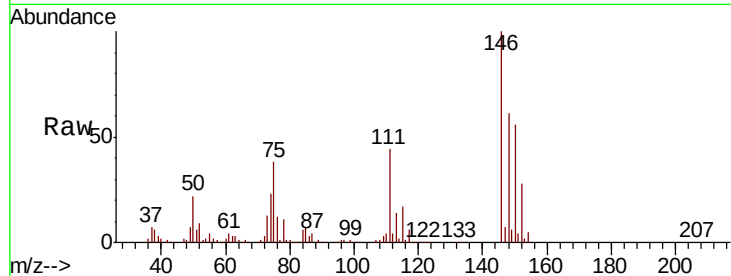




#65
 1,2-Dichlorobenzene
 Concen: 25.514 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

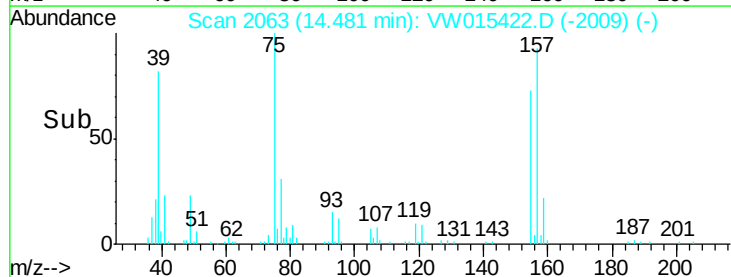
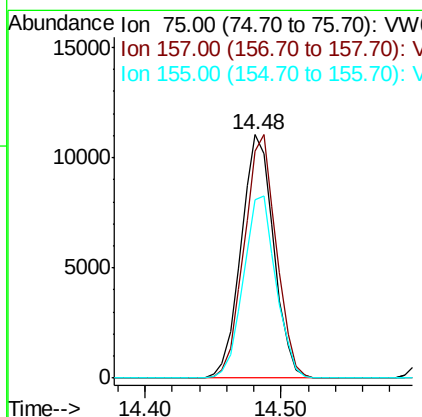
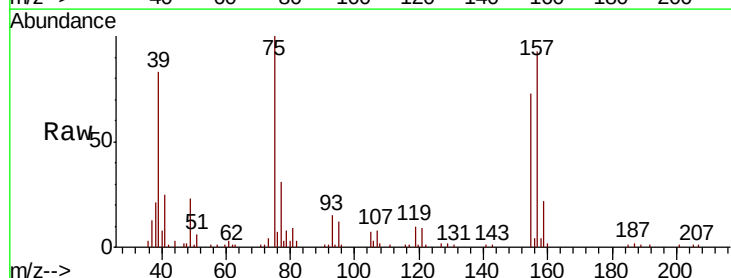
Instrument :
 MSVOA_W
 ClientSampleId :

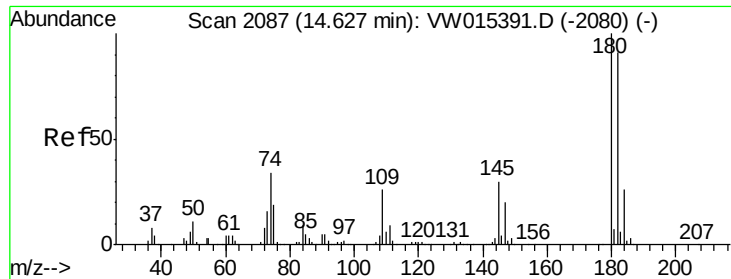
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	34.3	51.5
148	61.3	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.134 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
157	93.0	72.7	109.1
155	73.4	56.7	85.1

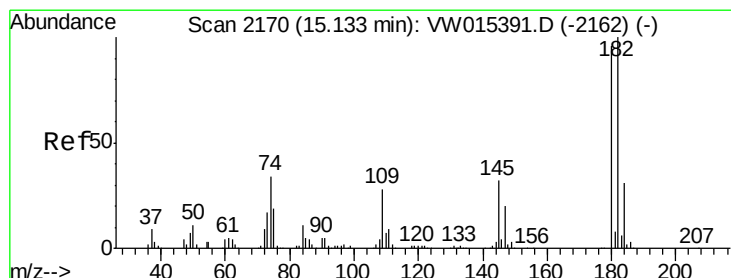
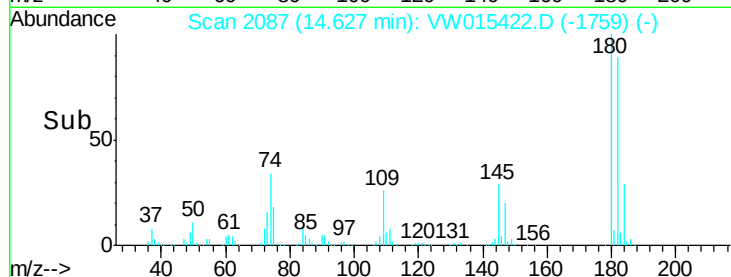
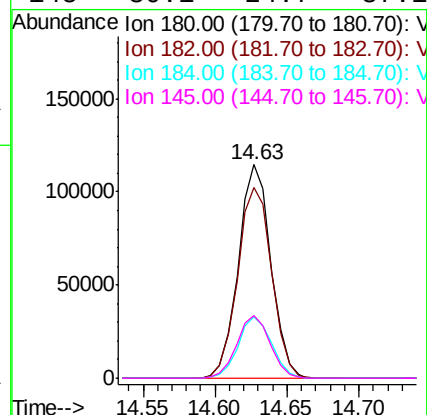
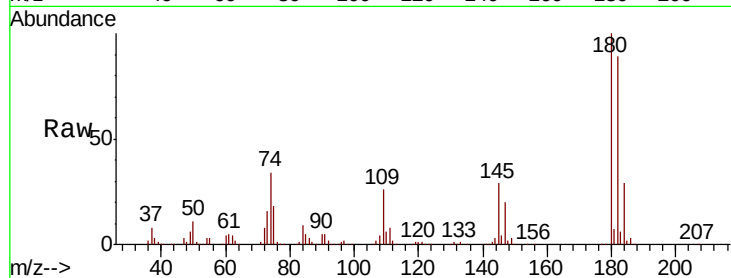




#67
 1,3,5-Trichlorobenzene
 Concen: 26.312 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

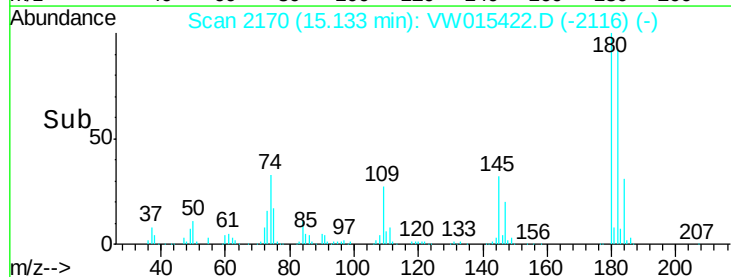
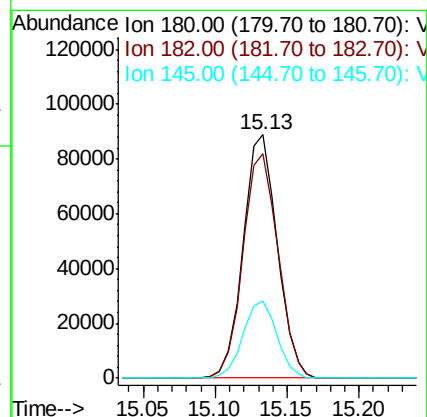
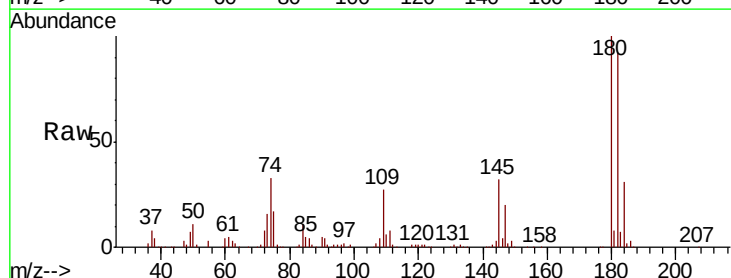
Instrument :
 MSVOA_W
 ClientSampleId :

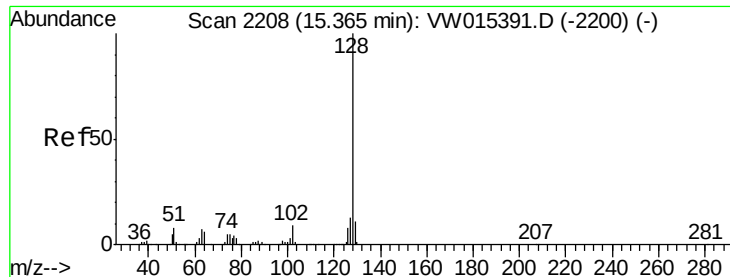
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.8	115.2
184	29.5	24.7	37.1
145	30.1	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 25.830 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015422.D
 Acq: 08 May 2020 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.9	116.9
145	31.7	26.5	39.7





#69

Naphthalene

Concen: 27.623 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

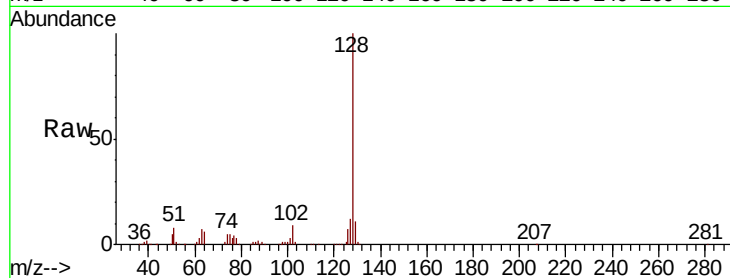
Tot Ion:128 Resp: 292377

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

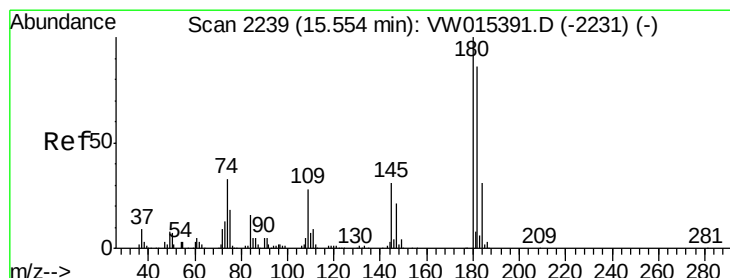
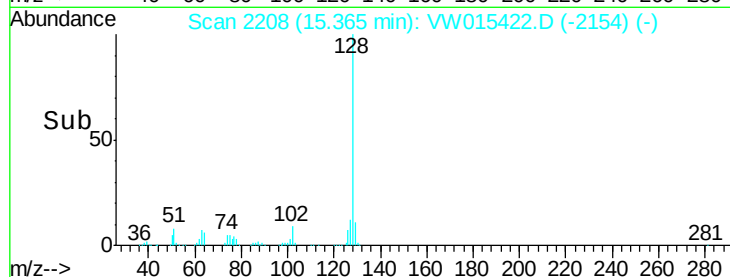
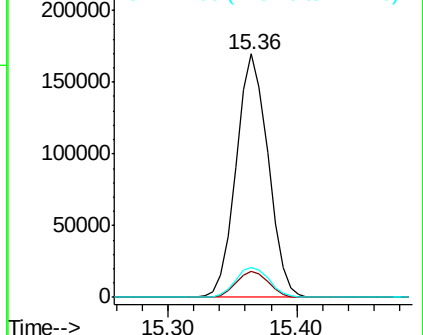
127 12.9 10.3 15.5



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: 25.587 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015422.D

Acq: 08 May 2020 11:52

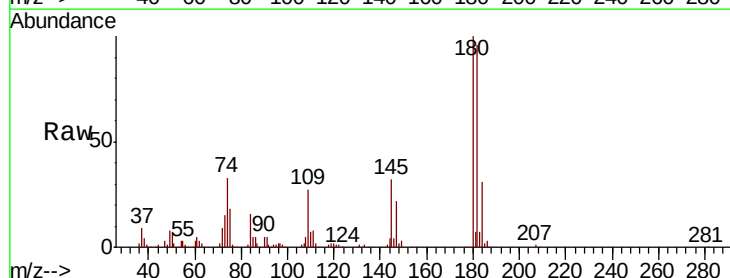
Tgt Ion:180 Resp: 124331

Ion Ratio Lower Upper

180 100

182 96.9 75.7 113.5

145 33.5 26.6 39.8



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

