

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052220\
 Data File : VW015447.D
 Acq On : 22 May 2020 10:24
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 23 03:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 11 03:32:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380360	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	166890	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98615	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.90	69	94902	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.76%
10) 1,1-Dichloroethene-d2	4.01	63	217665	22.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.96%
20) 2-Butanone-d5	7.07	46	66340	52.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.38%
24) Chloroform-d	7.65	84	222878	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.31	65	127705	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.92%
29) Benzene-d6	8.27	84	429917	22.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.92%
33) 1,2-Dichloropropane-d6	9.27	67	129799	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.56%
37) Toluene-d8	10.32	98	408883	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.88%
38) trans-1,3-Dichloropropene-	10.58	79	60304	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	10.93	63	53535	50.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106082	24.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	137705	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	50480	15.123	ug/L	100
3) Chloromethane	2.21	50	64761	18.131	ug/L	97
5) Vinyl chloride	2.37	62	119483	21.529	ug/L	97
6) Bromomethane	2.79	94	75322	19.727	ug/L	99
8) Chloroethane	2.93	64	77054	20.772	ug/L	100
9) Trichlorofluoromethane	3.26	101	95783	23.674	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	105702	23.448	ug/L	98
12) 1,1-Dichloroethene	4.04	96	103635	22.716	ug/L	84
13) Acetone	4.12	43	65685	68.241	ug/L	98
14) Carbon disulfide	4.38	76	305706	21.573	ug/L	100
15) Methyl Acetate	4.67	43	53458	25.392	ug/L	99
16) Methylene chloride	4.91	84	106780	19.602	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	192630	25.971	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	111367	22.651	ug/L	99
19) 1,1-Dichloroethane	6.21	63	208512	22.518	ug/L	98
21) 2-Butanone	7.17	43	79744	55.105	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	121859	22.997	ug/L	99

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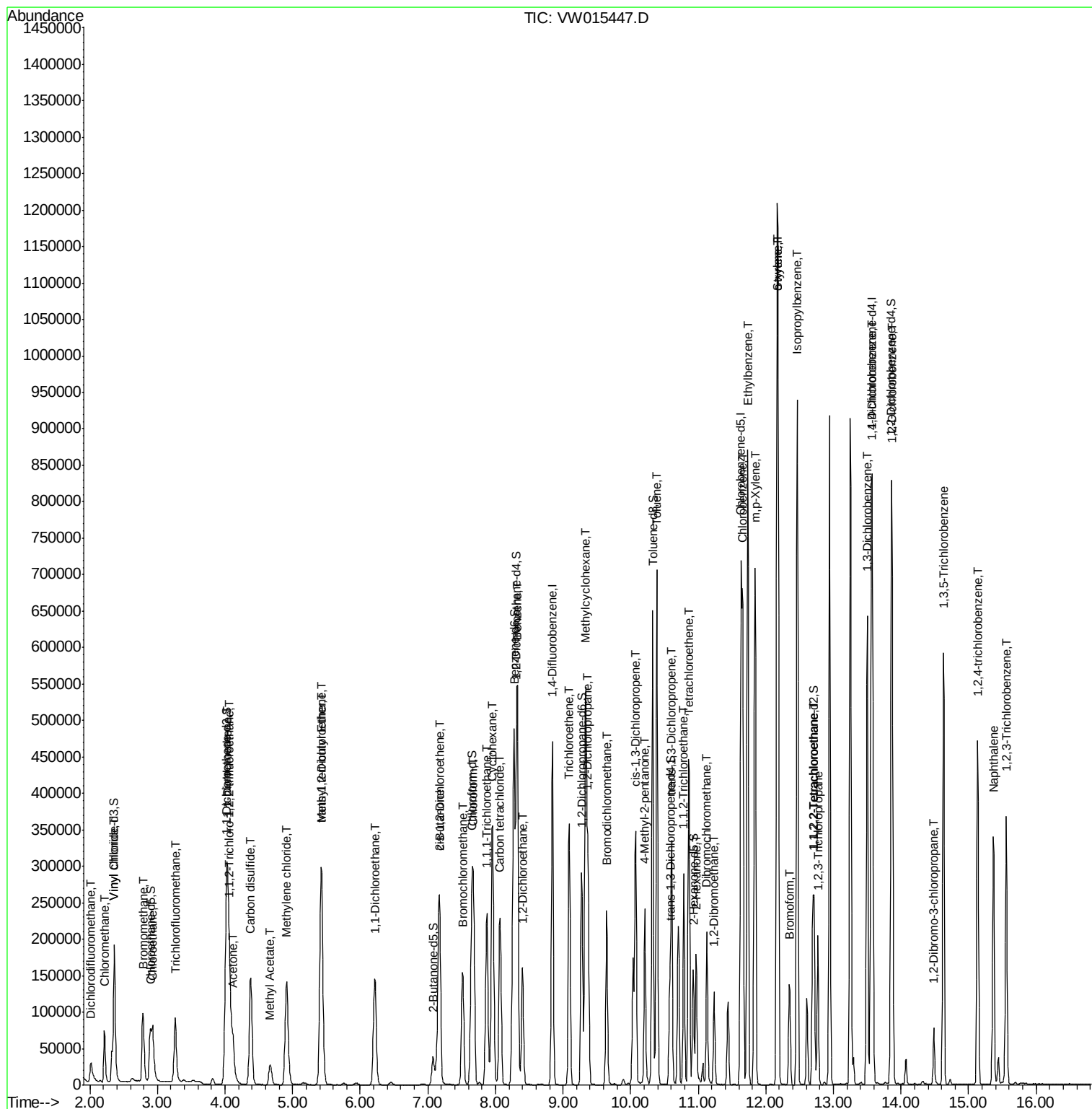
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	54049	24.473	ug/L	95
25) Chloroform	7.68	83	213768	23.350	ug/L	100
27) 1,2-Dichloroethane	8.40	62	150708	24.193	ug/L	99
30) Cyclohexane	7.95	56	201550	22.286	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	190500	24.551	ug/L	99
32) Carbon tetrachloride	8.07	117	170198	24.103	ug/L	100
34) Benzene	8.32	78	463899	22.934	ug/L	100
35) Trichloroethene	9.09	95	123679	22.817	ug/L	98
36) Methylcyclohexane	9.34	83	218995	22.753	ug/L	98
40) 1,2-Dichloropropane	9.37	63	114761	22.702	ug/L	99
41) Bromodichloromethane	9.65	83	157630	23.623	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	190980	23.395	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	158921	46.922	ug/L	99
44) Toluene	10.39	91	508949	23.022	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	170492	23.965	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	87903	24.803	ug/L	98
47) Tetrachloroethene	10.87	164	97818	24.055	ug/L	97
49) 2-Hexanone	10.97	43	113609	53.237	ug/L	99
50) Dibromochloromethane	11.13	129	105184	24.533	ug/L	99
51) 1,2-Dibromoethane	11.24	107	85233	25.202	ug/L	97
52) Chlorobenzene	11.66	112	320007	22.944	ug/L	99
53) Ethylbenzene	11.73	91	590430	22.900	ug/L	98
54) m,p-Xylene	11.84	106	222755	23.126	ug/L	100
55) o-xylene	12.16	106	212239	22.903	ug/L	100
56) Styrene	12.18	104	360052	22.757	ug/L	99
57) Isopropylbenzene	12.46	105	596242	23.292	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	107279	25.447	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	81792	25.544	ug/L	100
62) Bromoform	12.35	173	62597	25.396	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	243683	22.963	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	245977	23.282	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	220089	23.576	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19677	26.151	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	173394	23.763	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	144632	24.005	ug/L	98
69) Naphthalene	15.36	128	286361	25.327	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	123318	23.757	ug/L	99

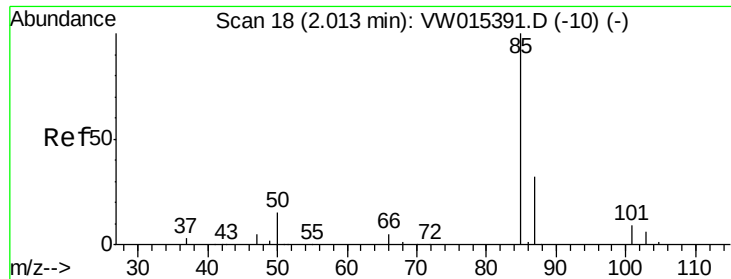
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 15.123 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

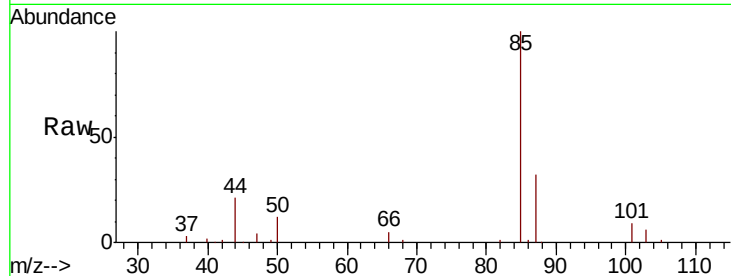
ClientSampleId :

Tot Ion: 85 Resp: 50480

Ion Ratio Lower Upper

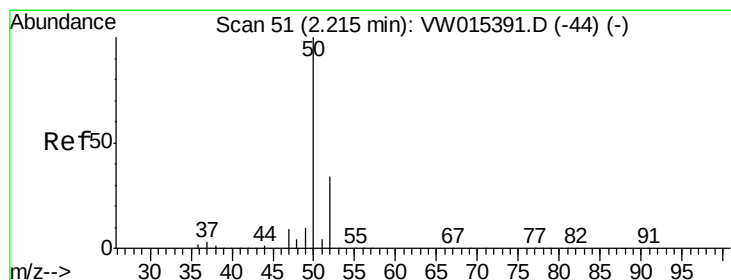
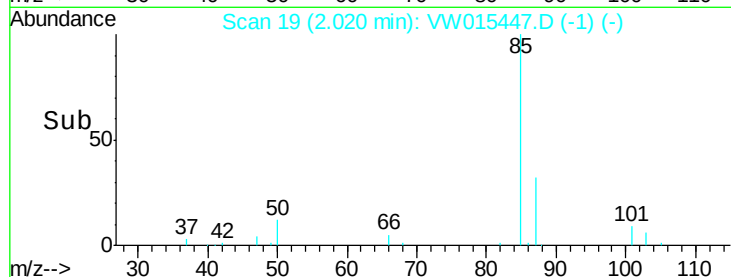
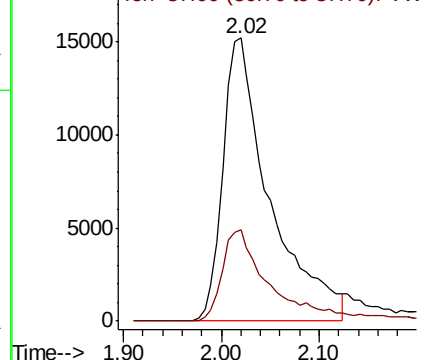
85 100

87 30.5 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: 18.131 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015447.D

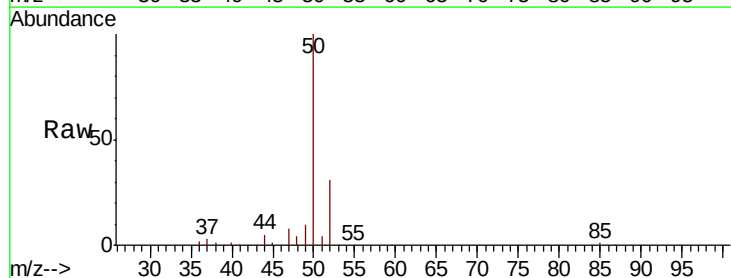
Acq: 22 May 2020 10:24

Tgt Ion: 50 Resp: 64761

Ion Ratio Lower Upper

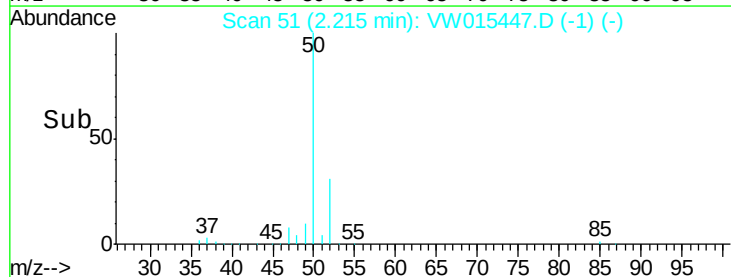
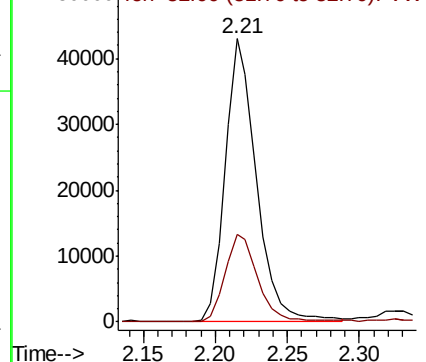
50 100

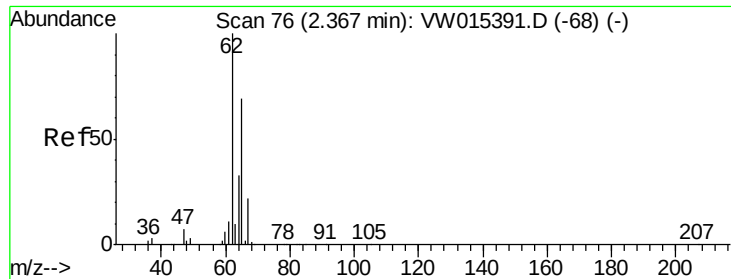
52 31.2 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.529 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

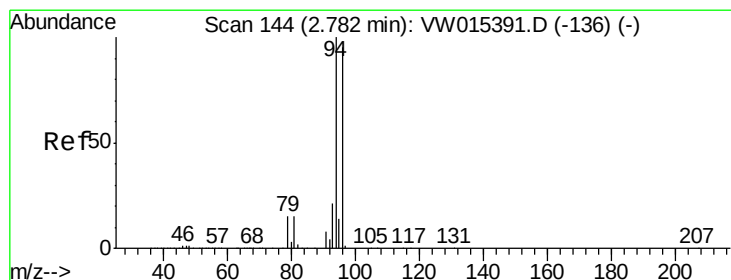
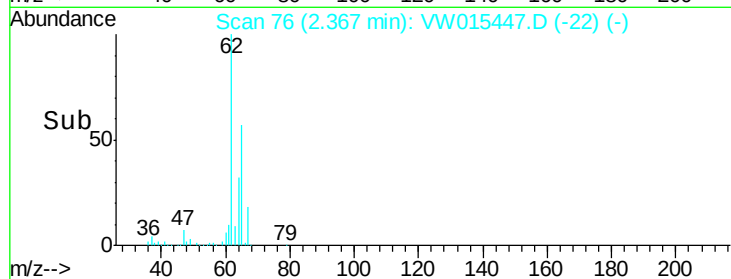
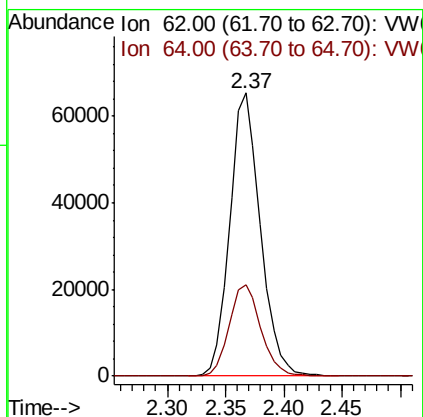
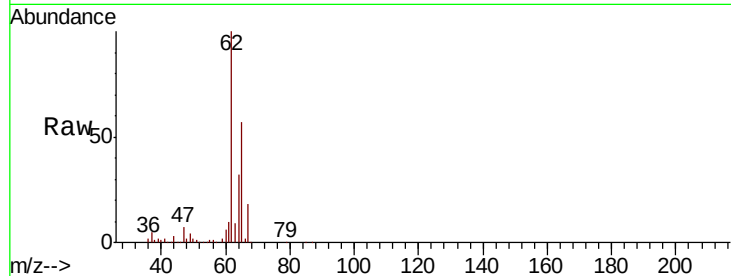
ClientSampled :

Tot Ion: 62 Resp: 119483

Ion Ratio Lower Upper

62 100

64 32.4 23.7 44.1



#6

Bromomethane

Concen: 19.727 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW015447.D

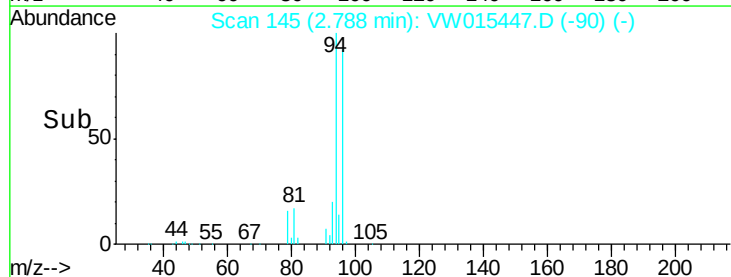
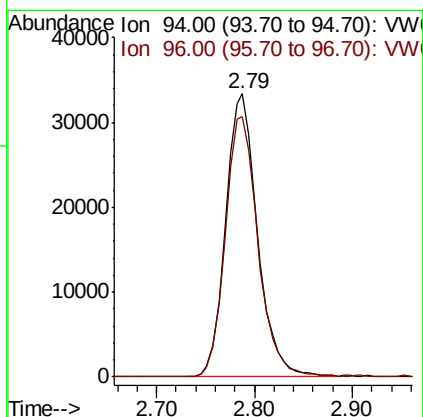
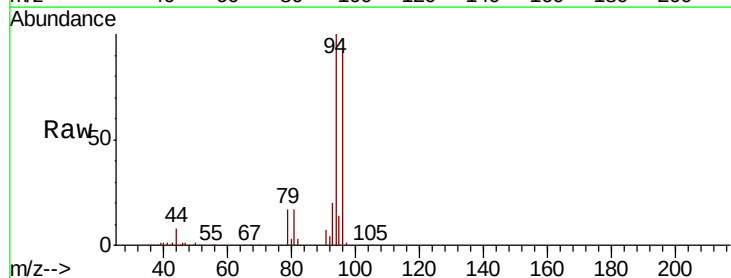
Acq: 22 May 2020 10:24

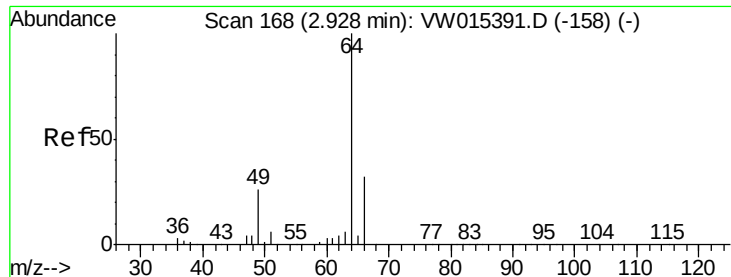
Tgt Ion: 94 Resp: 75322

Ion Ratio Lower Upper

94 100

96 94.9 9.3 177.7





#8

Chloroethane

Concen: 20.772 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

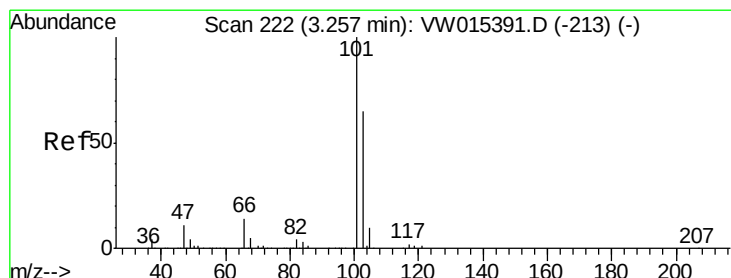
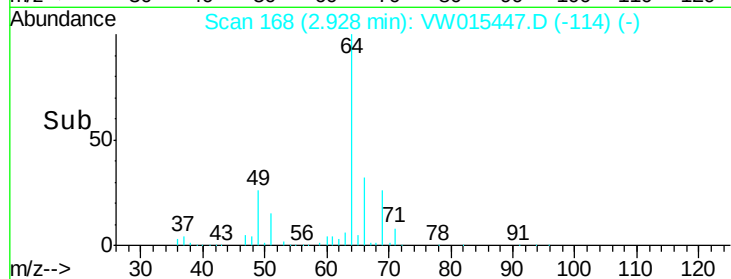
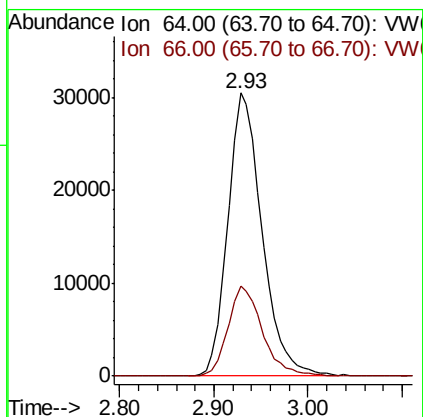
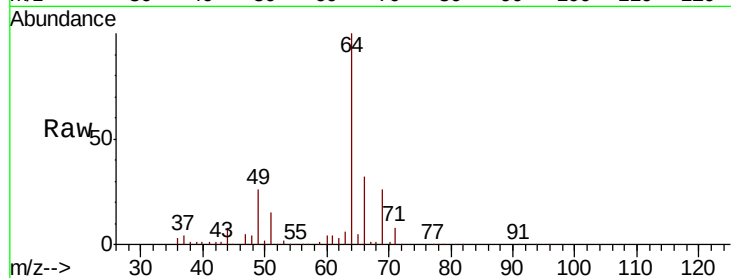
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 64 Resp: 77054

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3



#9

Trichlorofluoromethane

Concen: 23.674 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015447.D

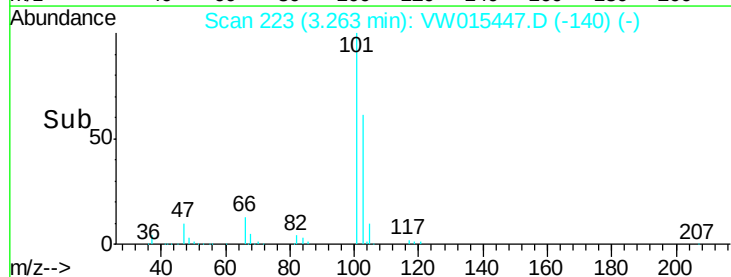
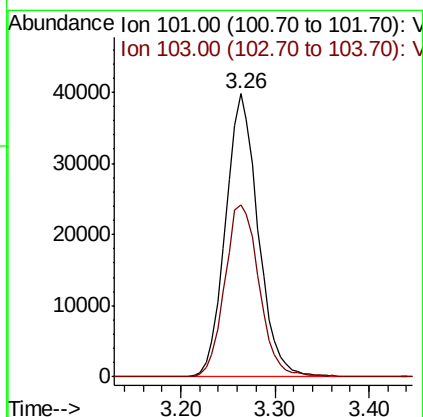
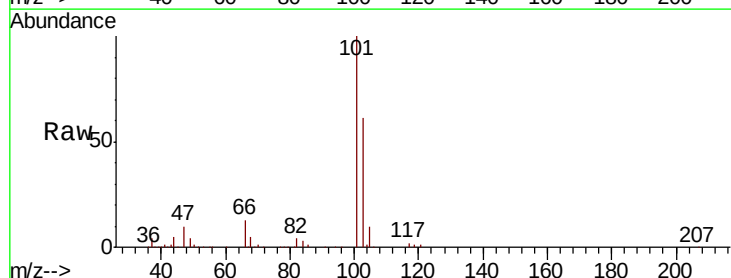
Acq: 22 May 2020 10:24

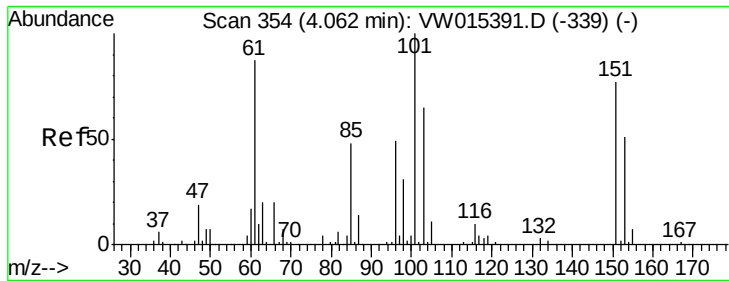
Tgt Ion: 101 Resp: 95783

Ion Ratio Lower Upper

101 100

103 64.1 45.5 84.5





#11

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

Concen: 23.448 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015447.D

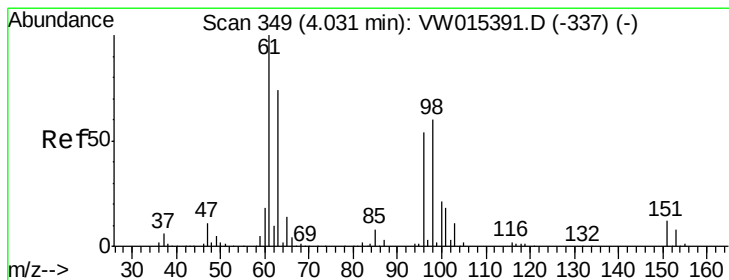
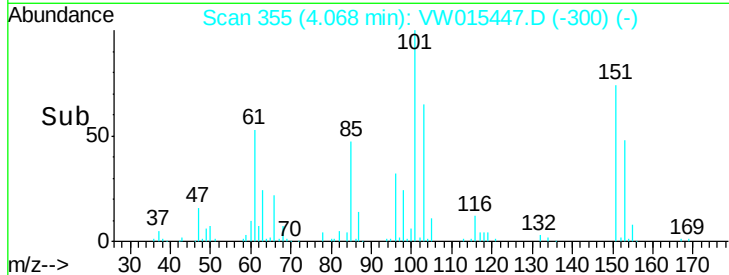
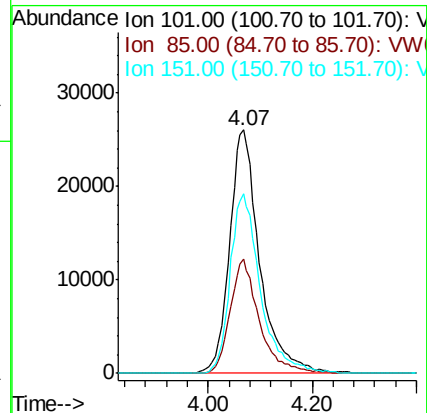
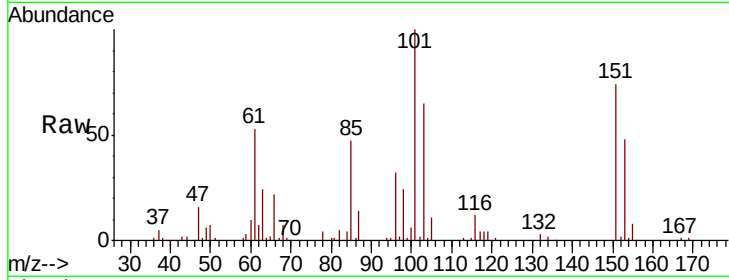
Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	105702
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	73.4	57.1	85.7



#12

1,1-Dichloroethene

Concen: 22.716 ug/L

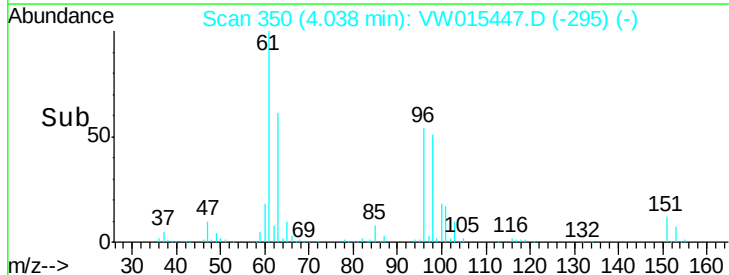
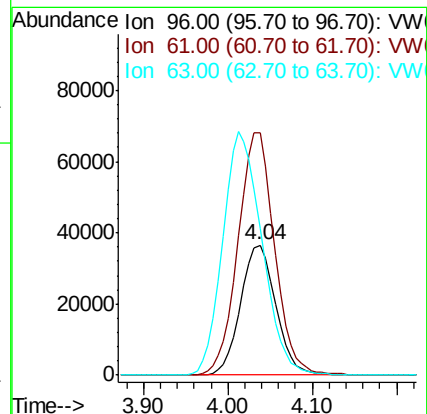
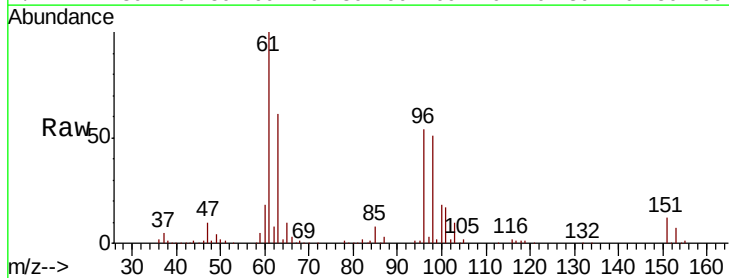
RT: 4.04 min Scan# 350

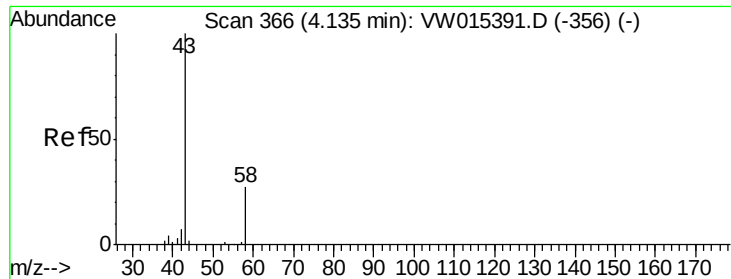
Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Tgt Ion:	96	Resp:	103635
Ion Ratio	Lower	Upper	
96	100		
61	185.6	135.9	252.5
63	112.7	104.4	194.0





#13

Acetone

Concen: 68.241 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

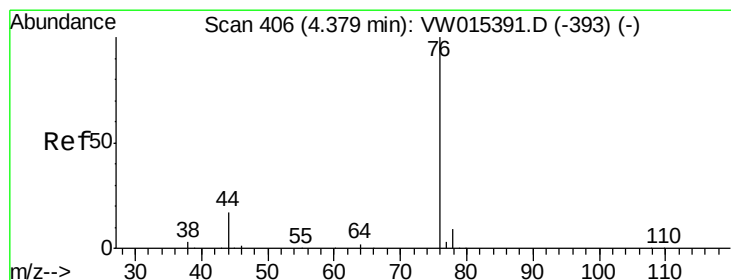
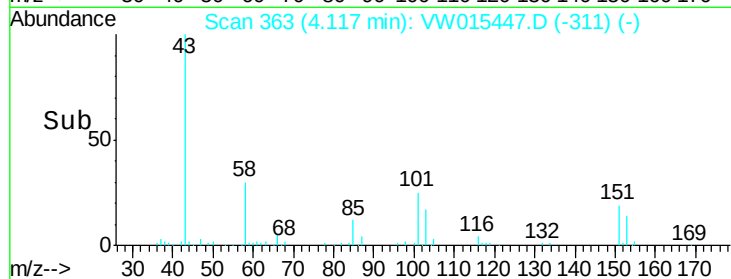
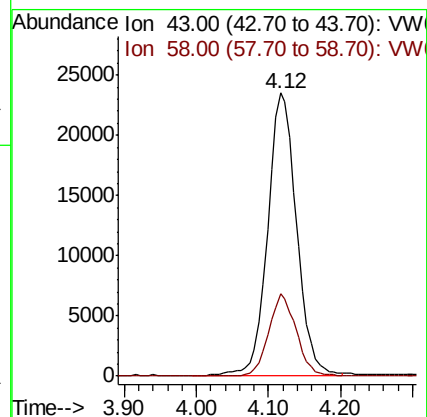
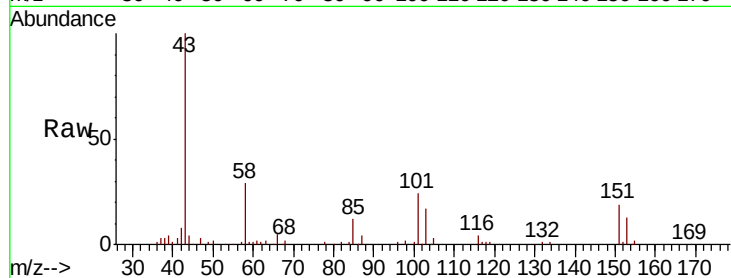
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 65685

Ion Ratio Lower Upper

43 100

58 27.5 0.0 57.0



#14

Carbon disulfide

Concen: 21.573 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015447.D

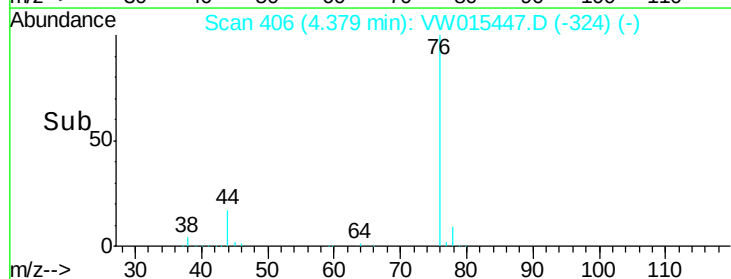
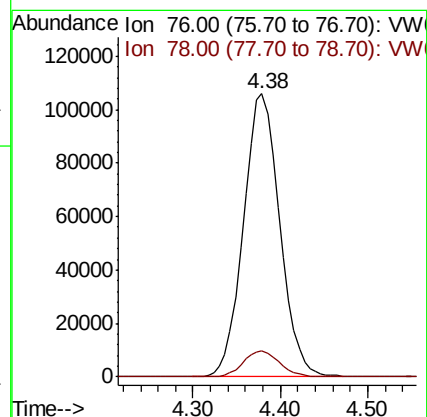
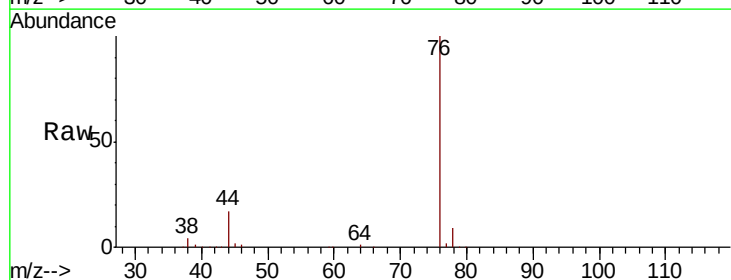
Acq: 22 May 2020 10:24

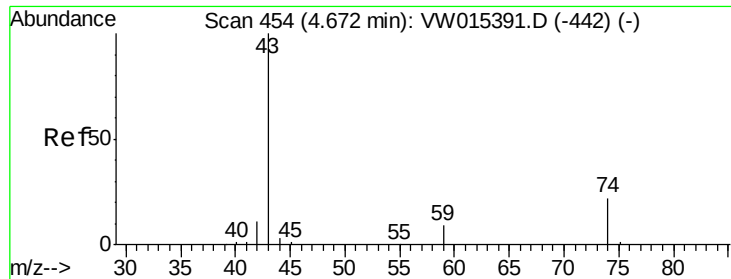
Tgt Ion: 76 Resp: 305706

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#15

Methvl Acetate

Concen: 25.392 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015447.D

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MSVOA_W

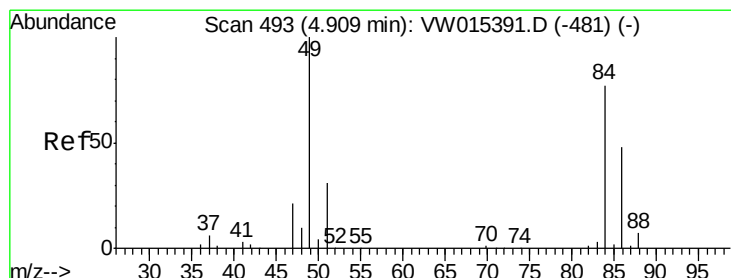
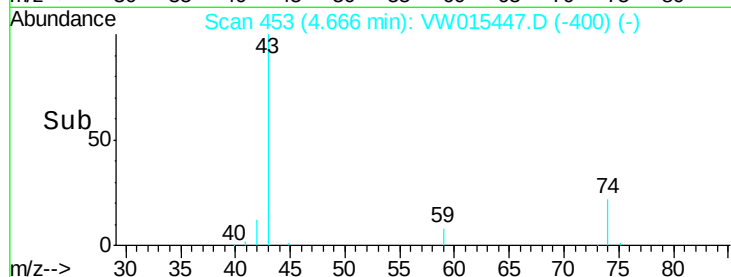
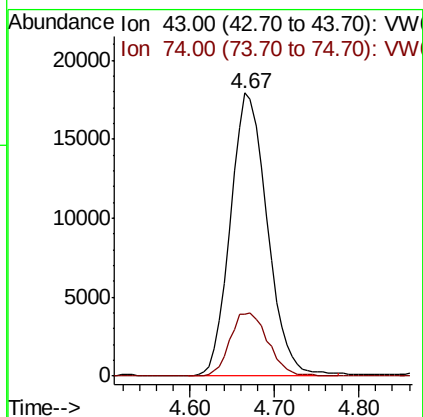
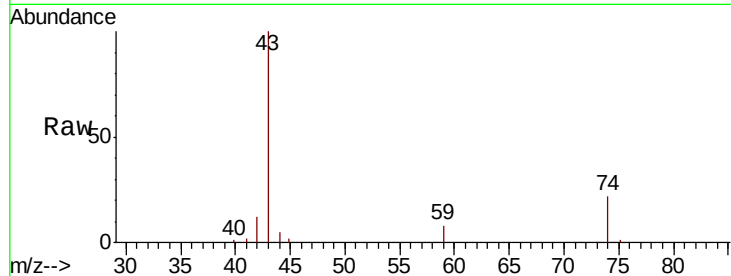
ClientSampleId :

Tot Ion: 43 Resp: 53458

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.6



#16

Methylene chloride

Concen: 19.602 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

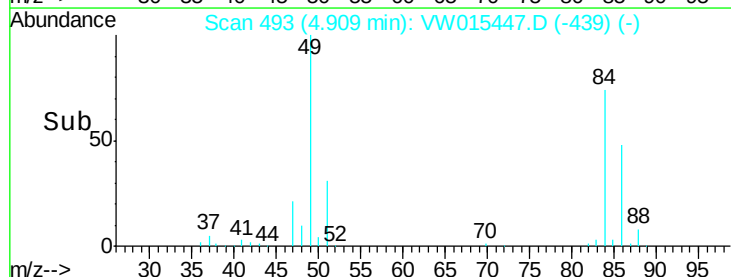
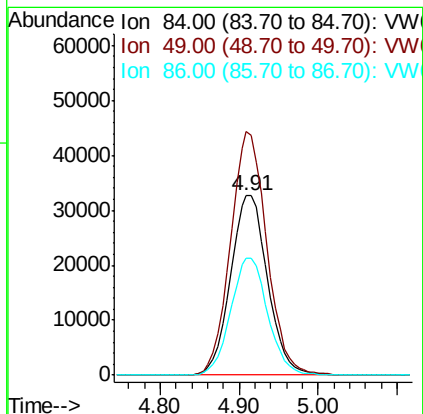
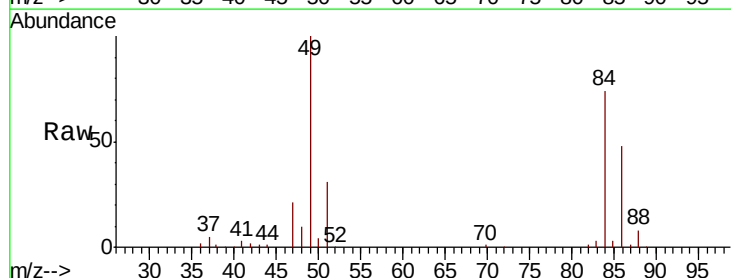
Tgt Ion: 84 Resp: 106780

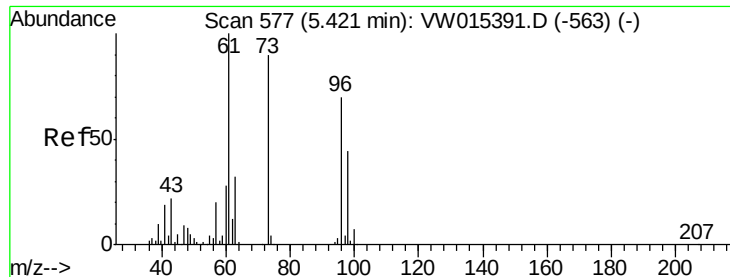
Ion Ratio Lower Upper

84 100

49 135.8 91.6 170.2

86 65.5 44.0 81.8

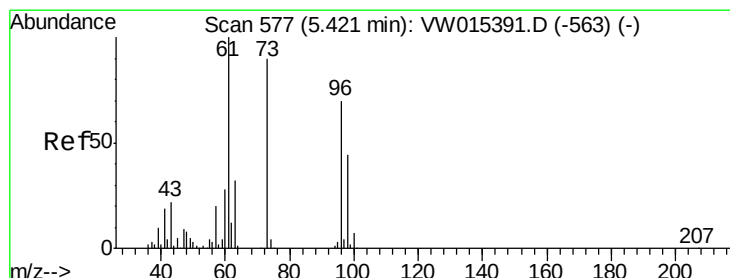
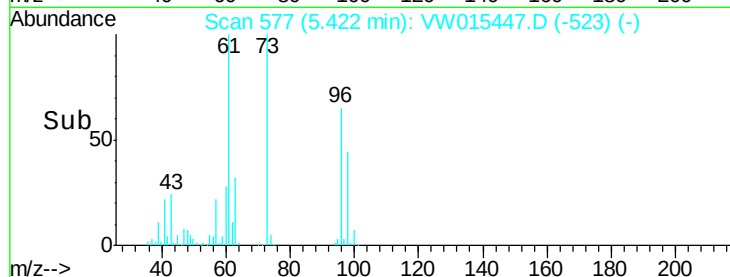
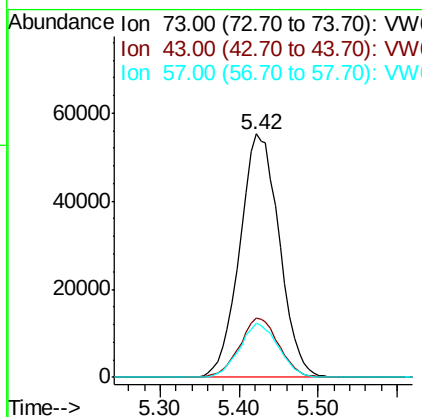
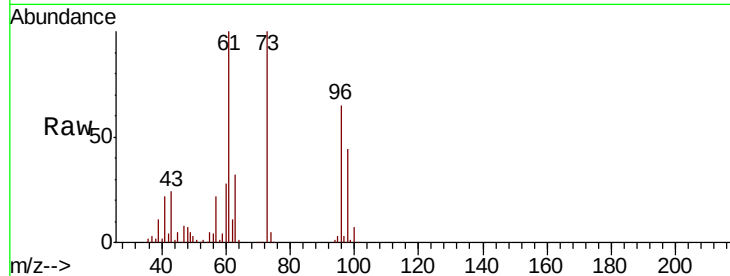




#17
Methyl tert-butyl Ether
Concen: 25.971 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

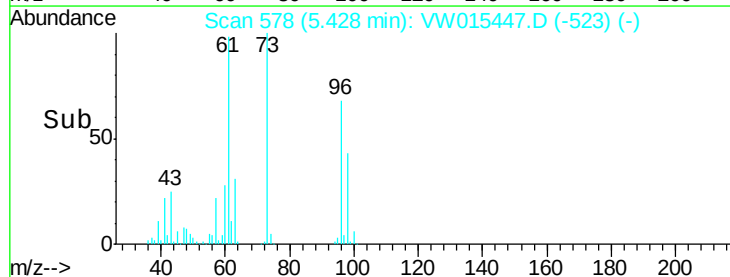
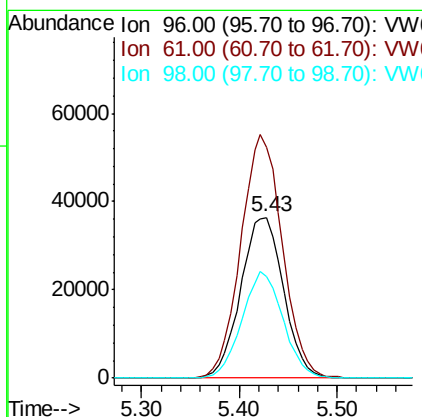
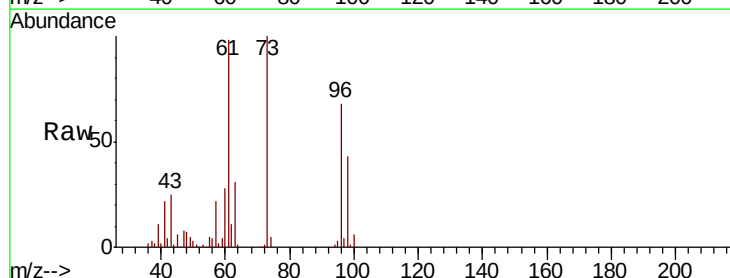
Instrument :
MSVOA_W
ClientSampled :

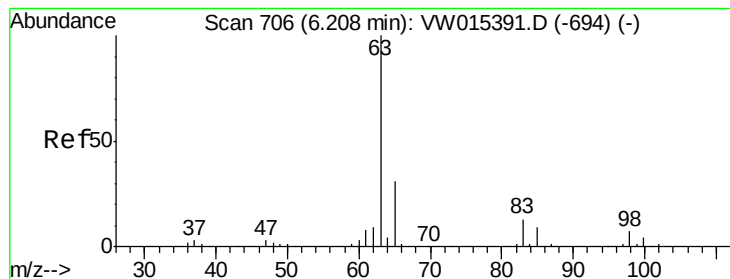
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.3	19.3	28.9
57	21.9	18.1	27.1



#18
trans-1,2-Dichloroethene
Concen: 22.651 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	101.1	187.7
98	63.5	42.4	78.8





#19

1,1-Dichloroethane

Concen: 22.518 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

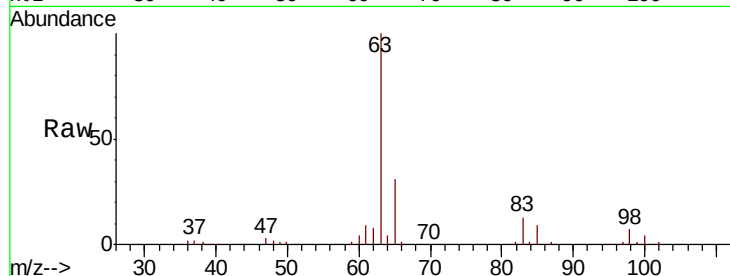
Tot Ion: 63 Resp: 208512

Ion Ratio Lower Upper

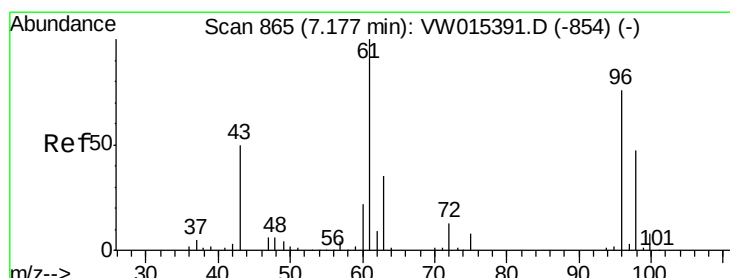
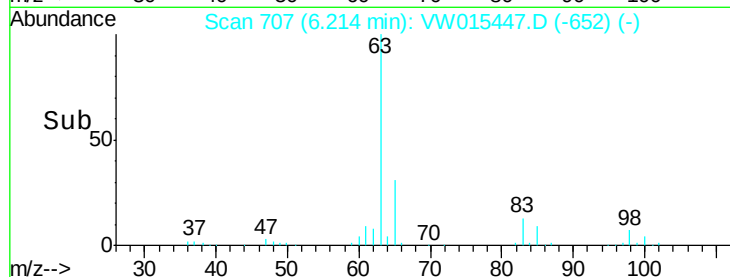
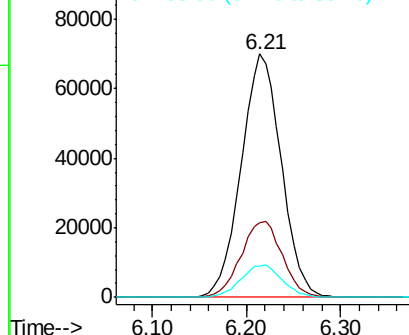
63 100

65 30.9 22.6 42.0

83 12.8 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: 55.105 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015447.D

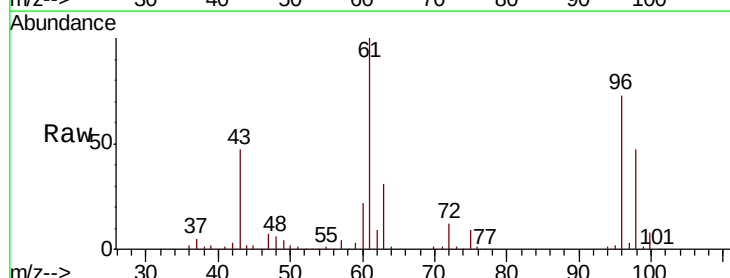
Acq: 22 May 2020 10:24

Tgt Ion: 43 Resp: 79744

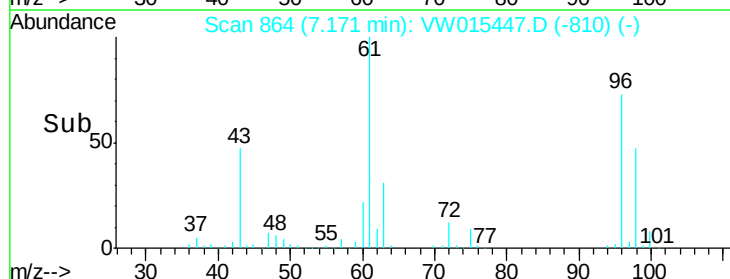
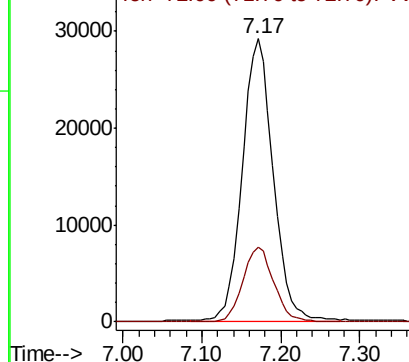
Ion Ratio Lower Upper

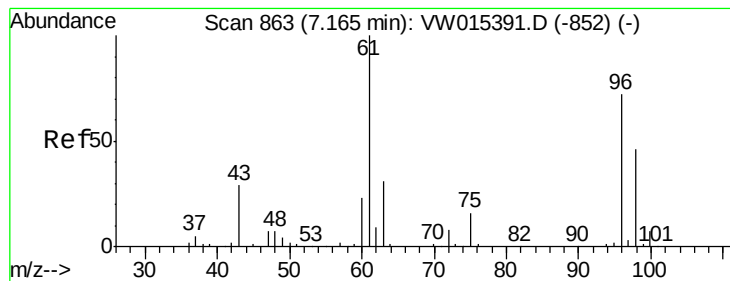
43 100

72 26.3 13.6 40.8



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



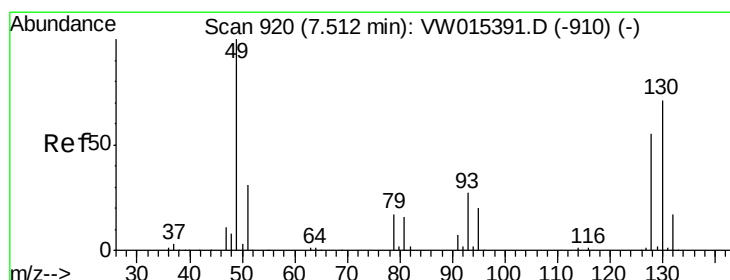
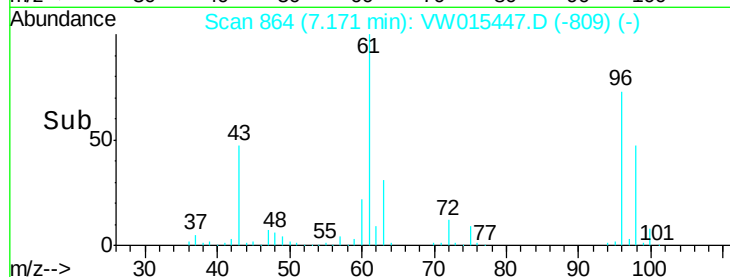
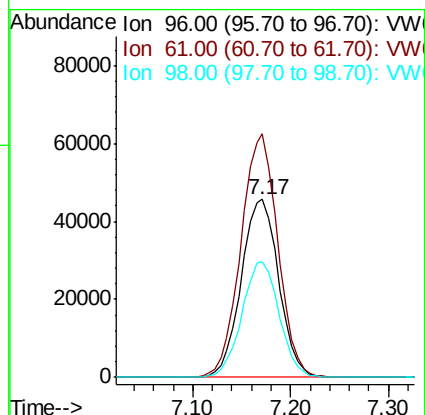
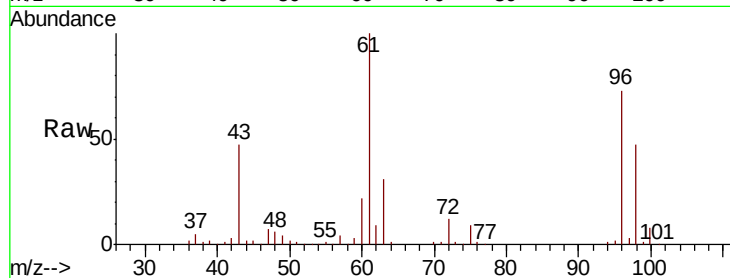


#22

cis-1,2-Dichloroethene
 Concen: 22.997 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Instrument :
 MSVOA_W
 ClientSampled :

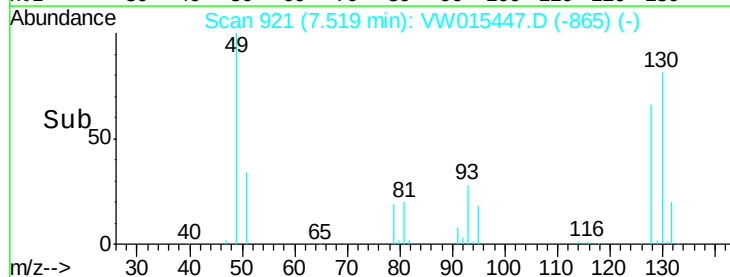
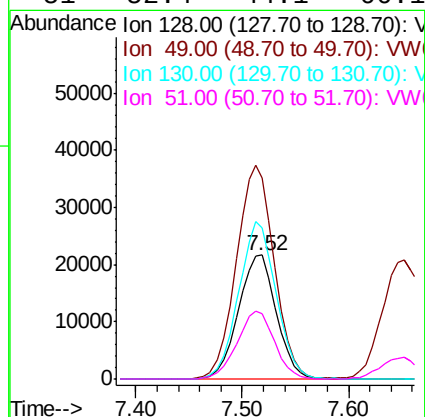
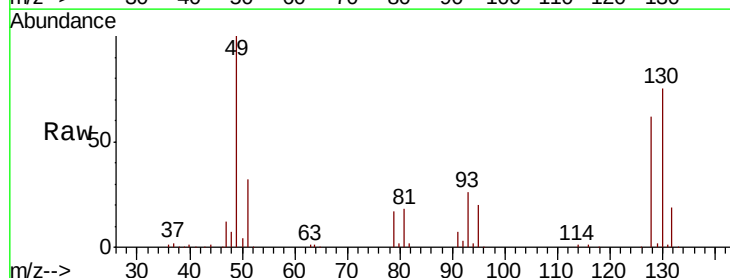
Tot Ion	96	Resp	121859
Ion Ratio	Lower	Upper	
96	100		
61	136.7	95.8	178.0
98	64.6	45.9	85.3

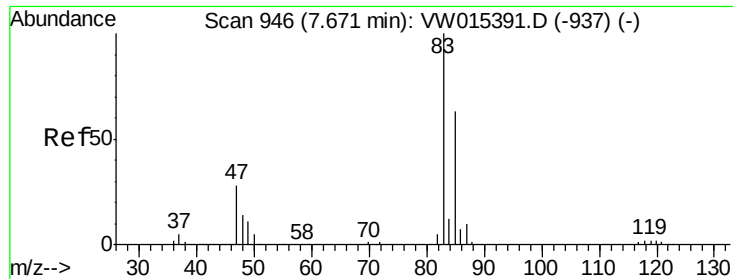


#23

Bromochloromethane
 Concen: 24.473 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Tgt Ion	128	Resp	54049
Ion Ratio	Lower	Upper	
128	100		
49	161.8	120.2	223.2
130	122.1	86.5	160.7
51	52.4	44.1	66.1

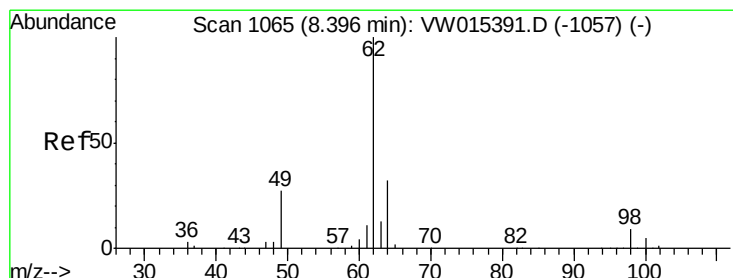
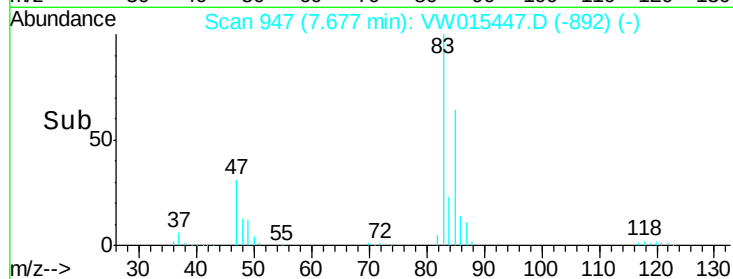
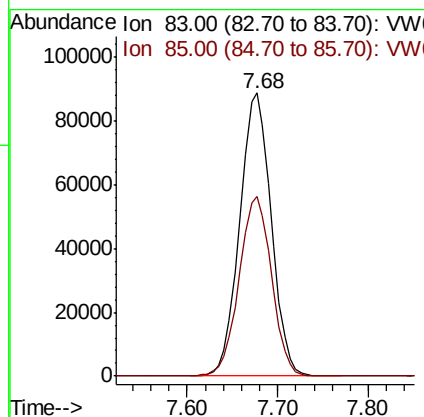
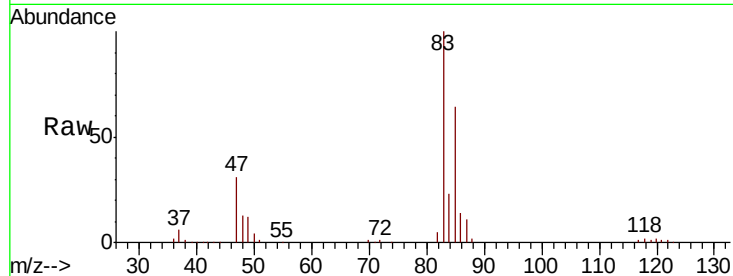




#25
Chloroform
Concen: 23.350 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

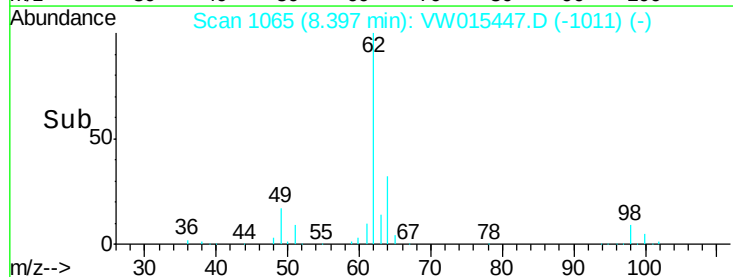
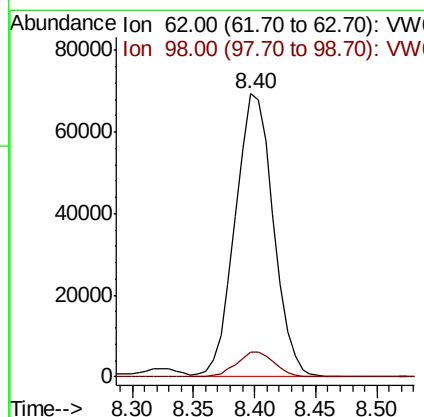
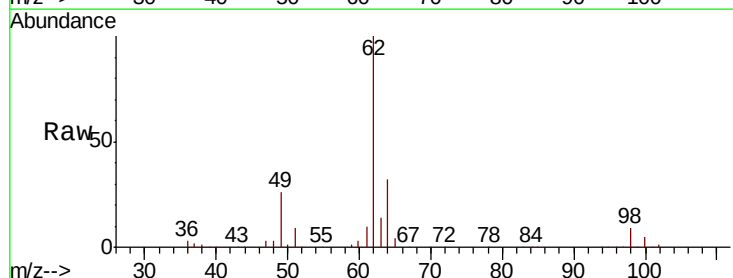
Instrument :
MSVOA_W
ClientSampled :

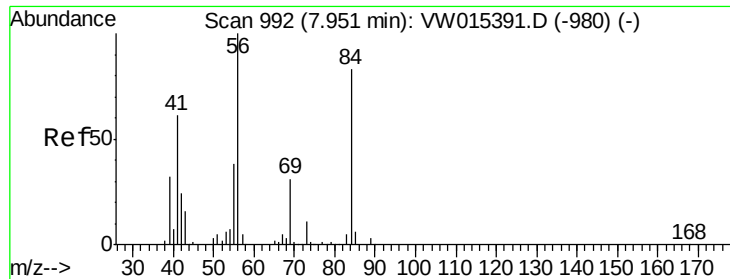
Tot Ion: 83 Resp: 213768
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.193 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

Tgt Ion: 62 Resp: 150708
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2

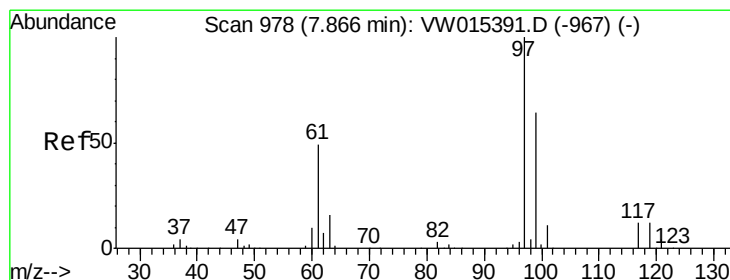
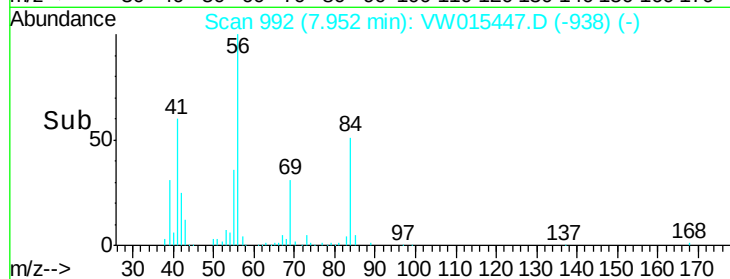
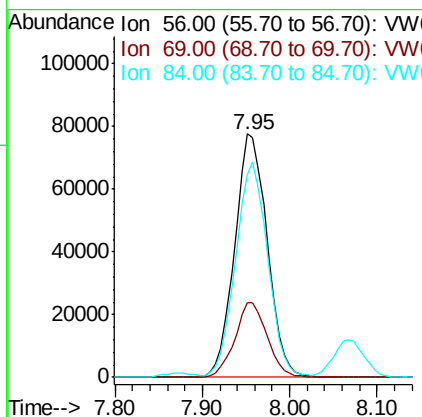
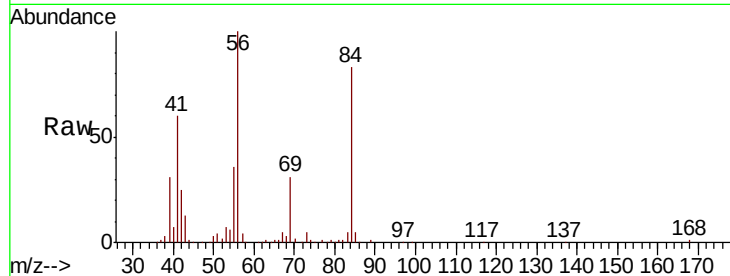




#30
Cyclohexane
Concen: 22.286 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

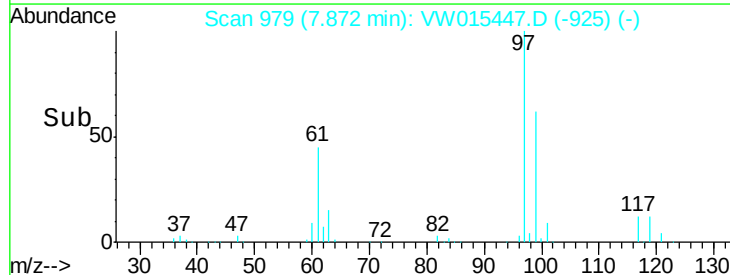
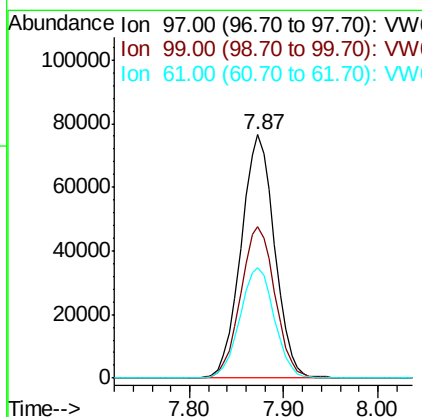
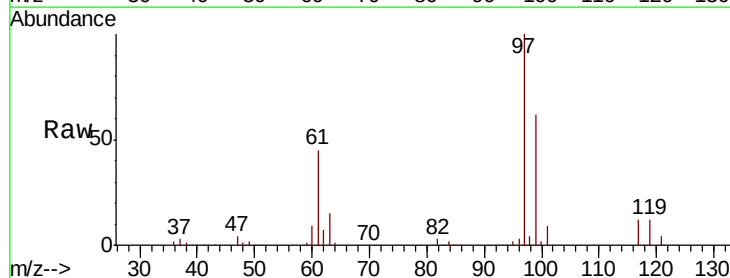
Instrument :
MSVOA_W
ClientSampled :

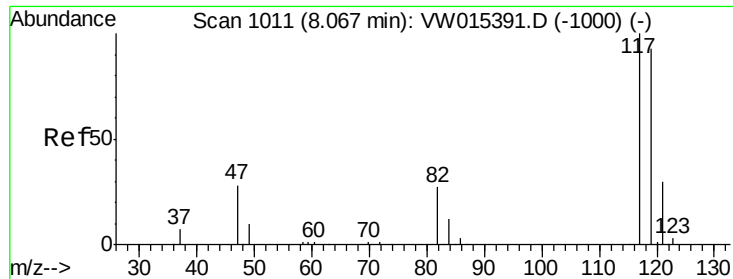
Tot Ion: 56 Resp: 201550
Ion Ratio Lower Upper
56 100
69 30.4 24.5 36.7
84 87.5 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 24.551 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

Tgt Ion: 97 Resp: 190500
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 46.7 38.6 57.8





#32

Carbon tetrachloride

Concen: 24.103 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

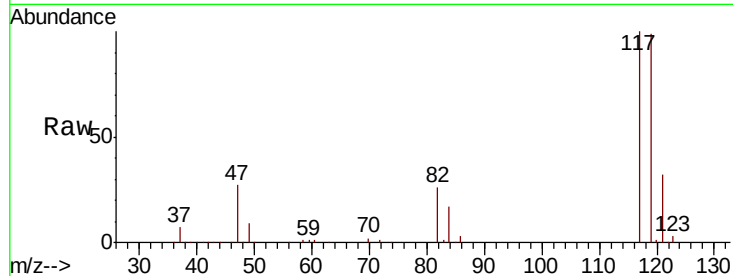
ClientSampleId :

Tot Ion:117 Resp: 170198

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

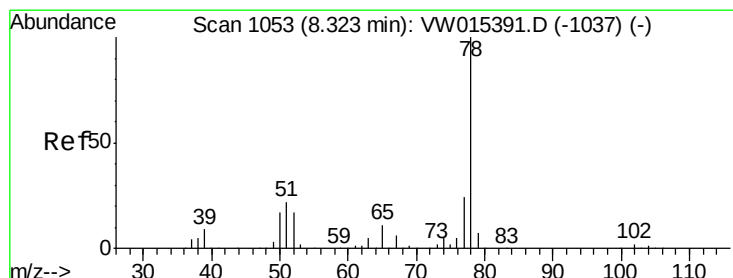
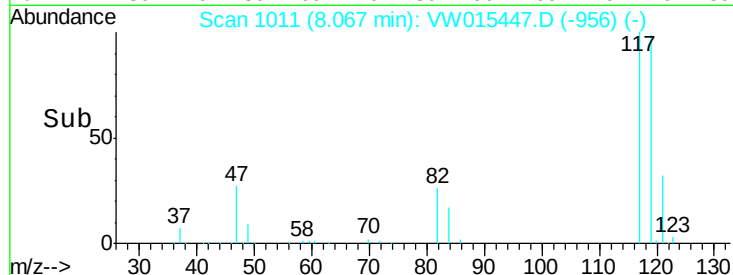
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 22.934 ug/L

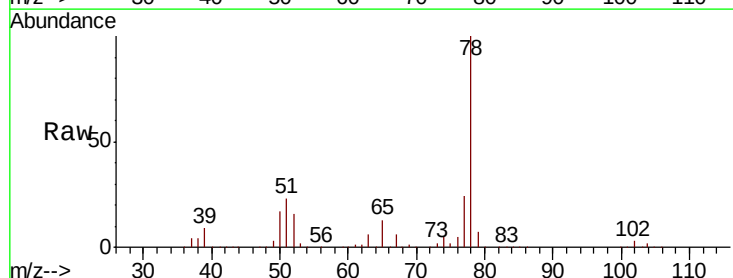
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Tgt Ion: 78 Resp: 463899



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

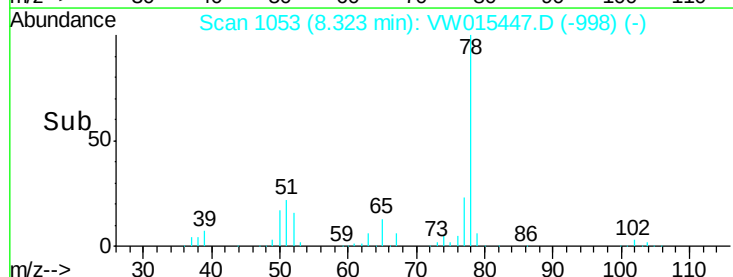
100000

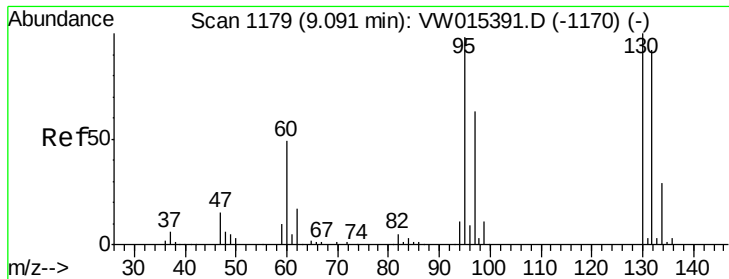
50000

0

8.20 8.30 8.40

Time-->

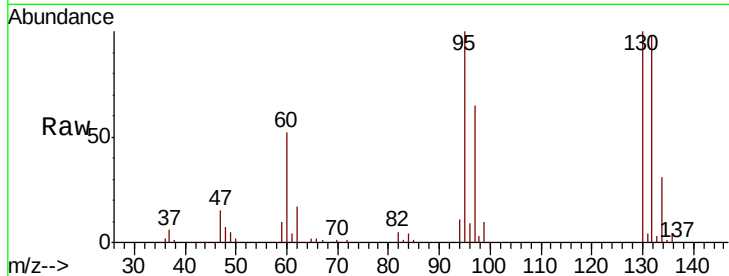




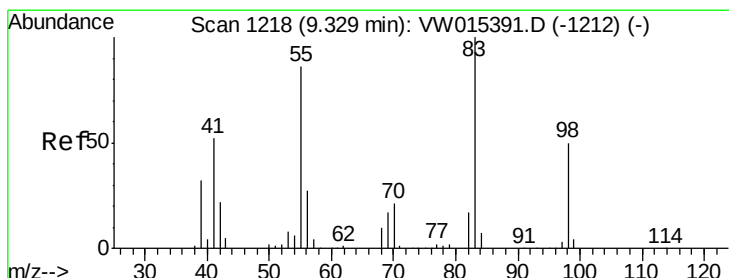
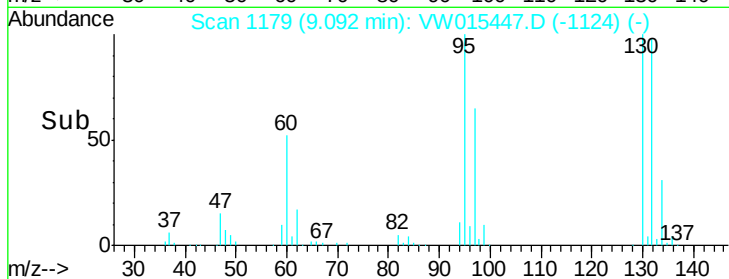
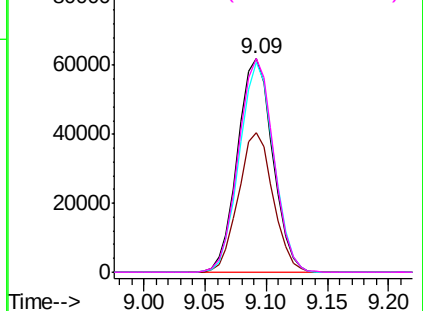
#35
 Trichloroethene
 Concen: 22.817 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	123679
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.9	83.5
132	96.2	64.5	119.7
130	99.9	68.5	127.3

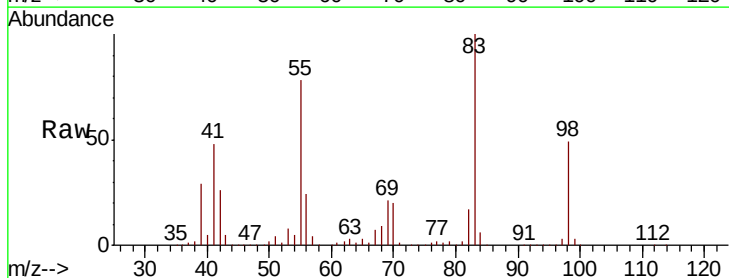


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

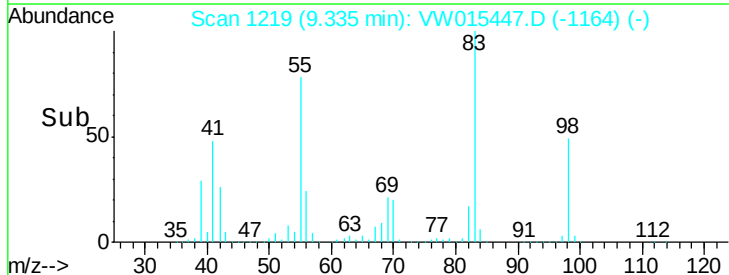
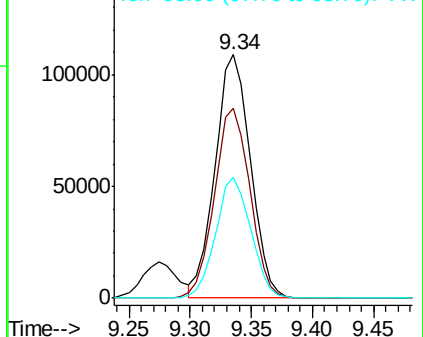


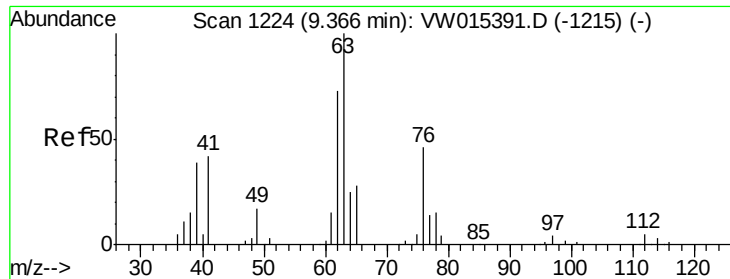
#36
 Methylcyclohexane
 Concen: 22.753 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Tgt Ion:	83	Resp:	218995
Ion	Ratio	Lower	Upper
83	100		
55	78.4	64.5	96.7
98	49.2	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: 22.702 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

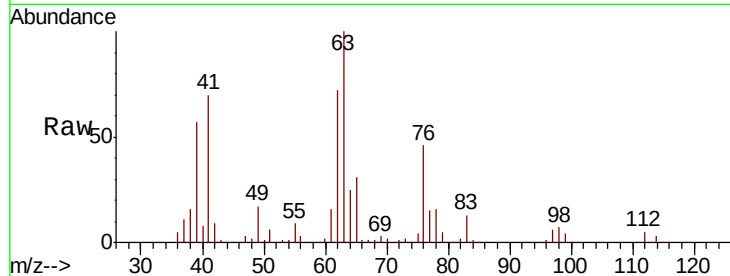
ClientSampleId :

Tot Ion: 63 Resp: 114761

Ion Ratio Lower Upper

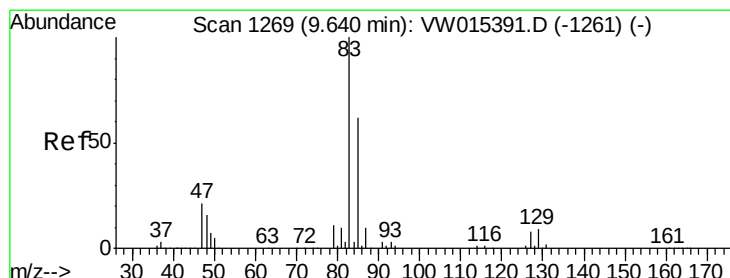
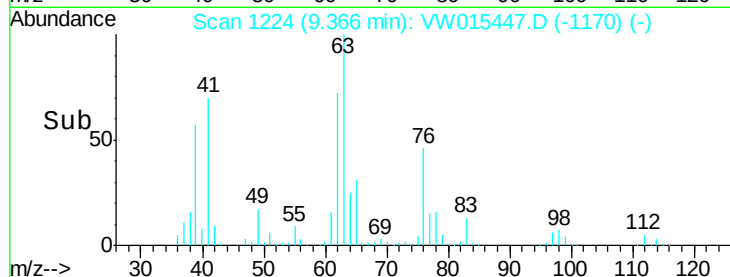
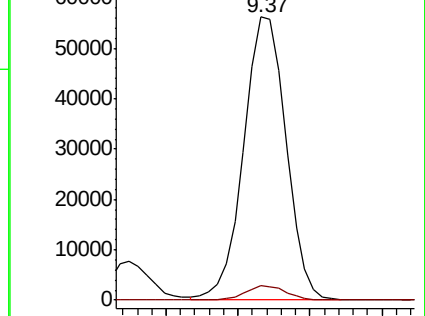
63 100

112 4.8 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: 23.623 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

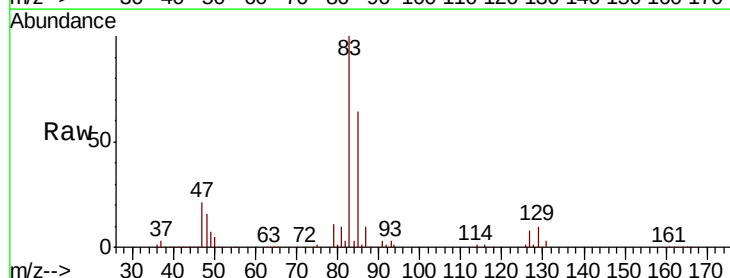
Tgt Ion: 83 Resp: 157630

Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.0

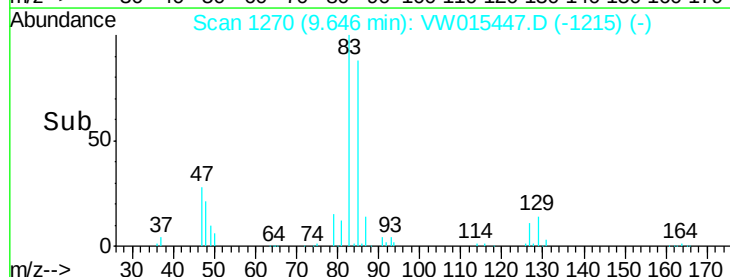
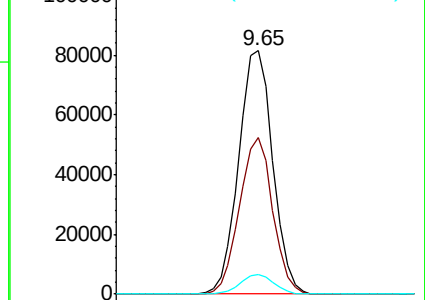
127 8.2 6.2 9.4

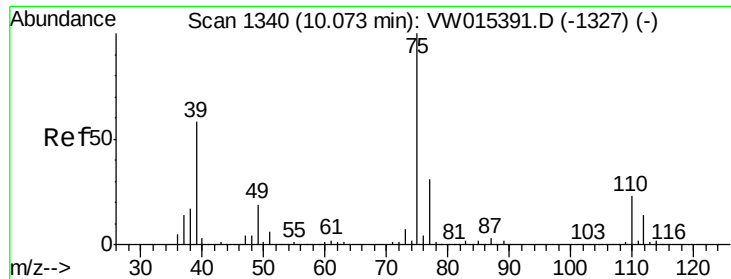


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.395 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

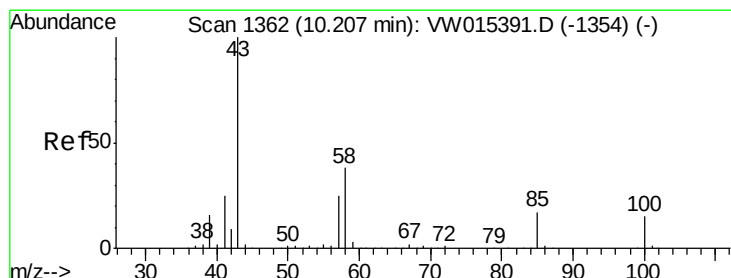
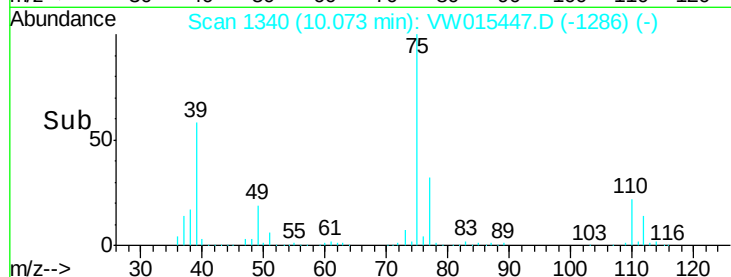
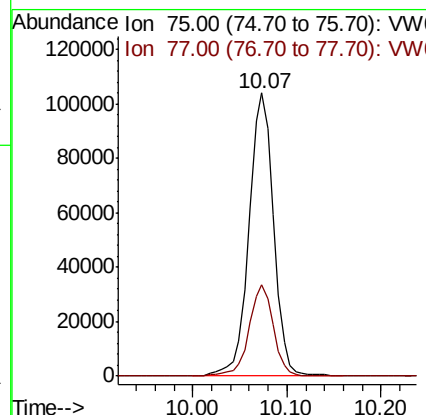
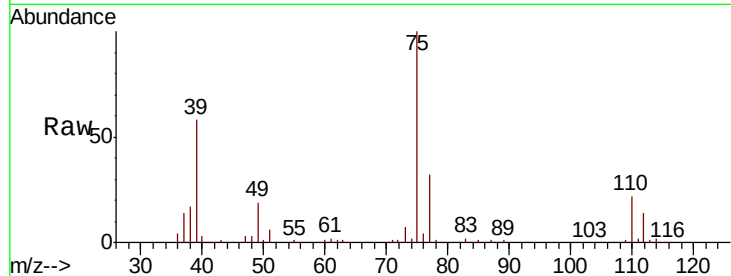
ClientSampleId :

Tot Ion: 75 Resp: 190980

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 46.922 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

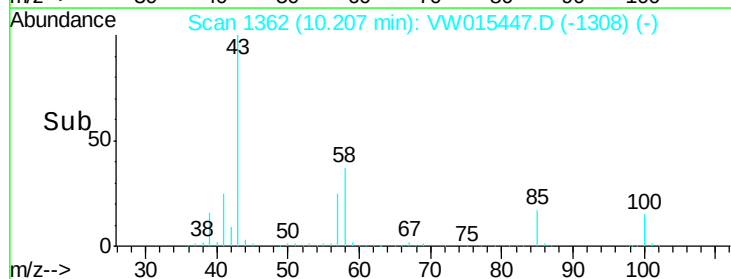
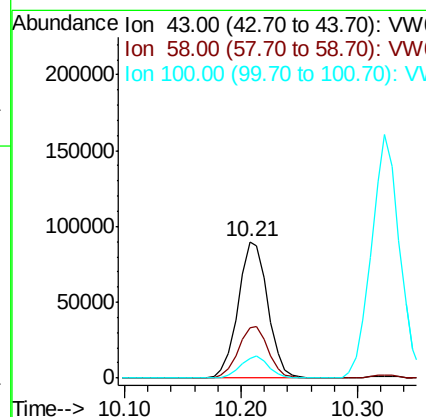
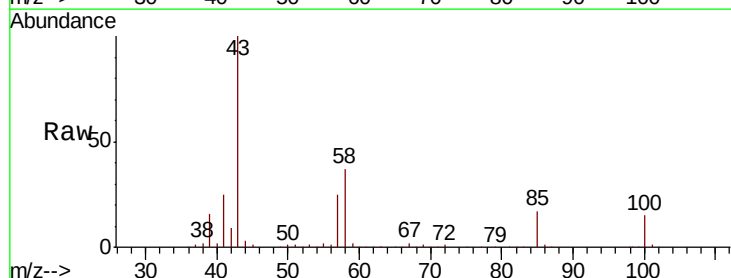
Tgt Ion: 43 Resp: 158921

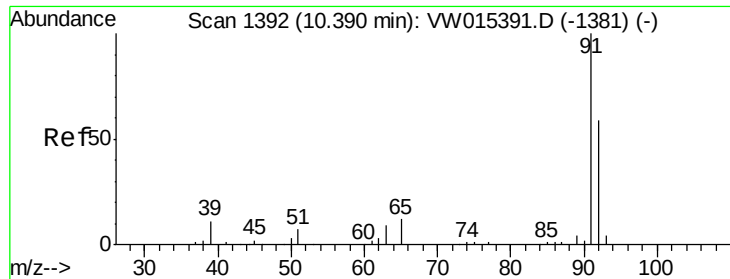
Ion Ratio Lower Upper

43 100

58 38.4 30.5 45.7

100 15.5 12.1 18.1





#44

Toluene

Concen: 23.022 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

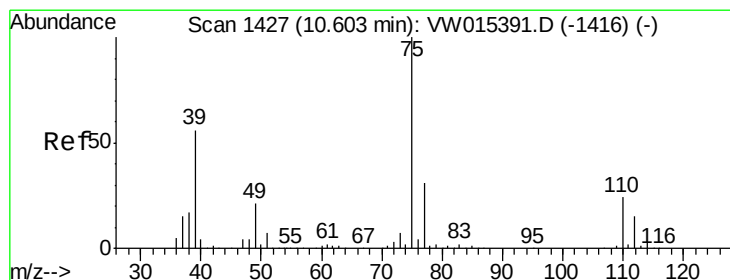
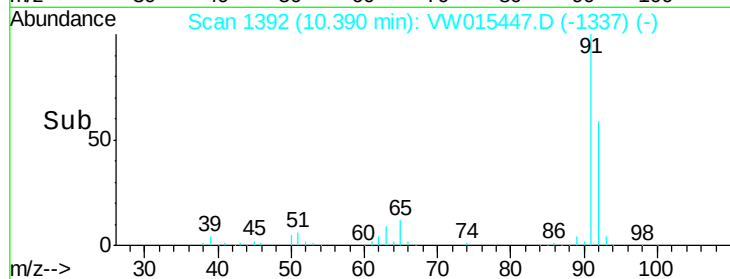
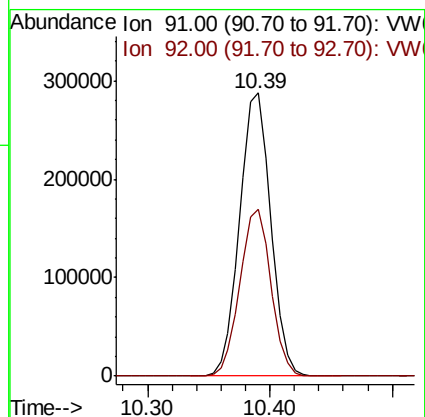
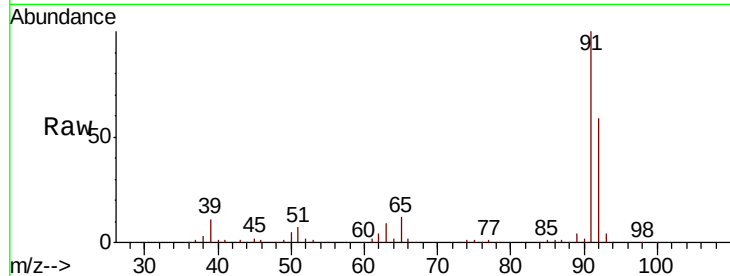
ClientSampleId :

Tot Ion: 91 Resp: 508949

Ion Ratio Lower Upper

91 100

92 58.9 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 23.965 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015447.D

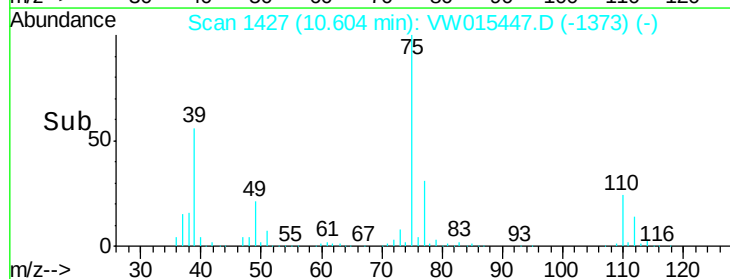
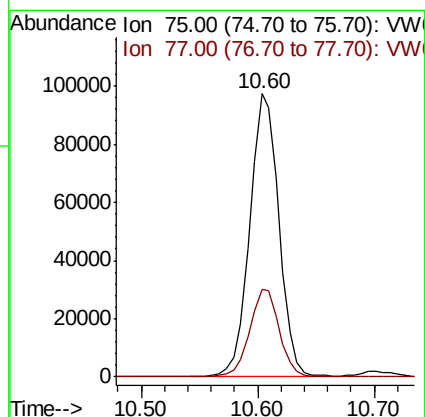
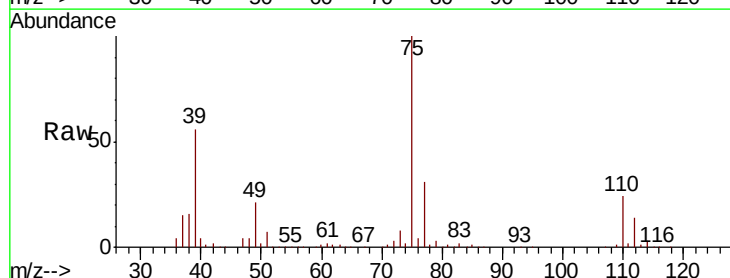
Acq: 22 May 2020 10:24

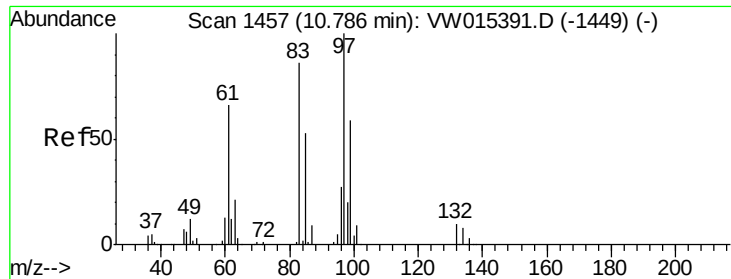
Tgt Ion: 75 Resp: 170492

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 24.803 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 87903

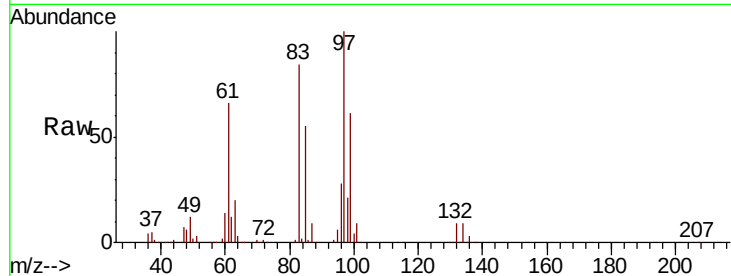
Ion	Ratio	Lower	Upper
97	100		
83	83.6	60.5	112.5
85	55.4	38.8	72.0
99	61.1	44.7	82.9

97 100

83 83.6 60.5 112.5

85 55.4 38.8 72.0

99 61.1 44.7 82.9



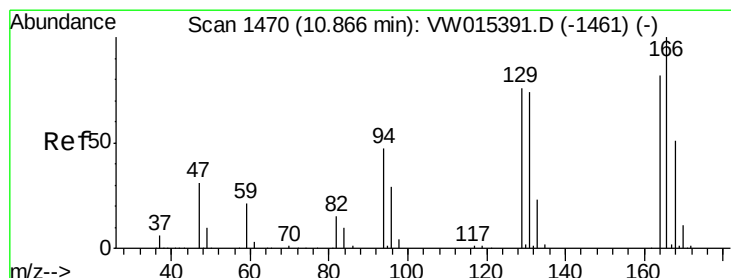
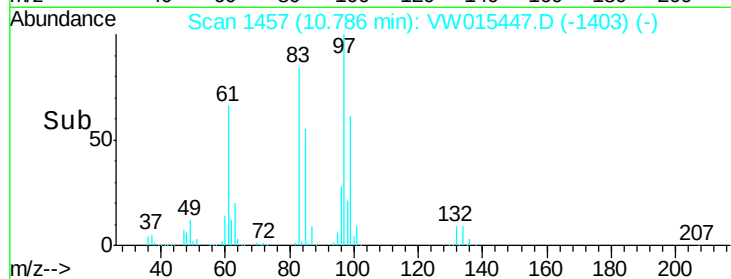
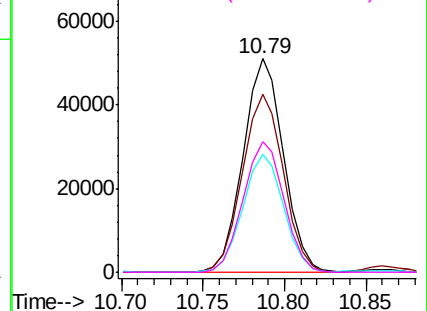
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.055 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Tgt Ion: 164 Resp: 97818

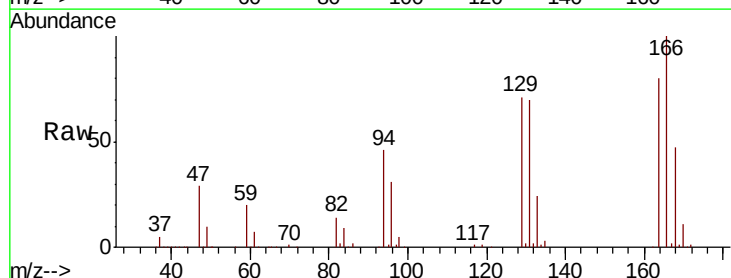
Ion	Ratio	Lower	Upper
164	100		
129	89.2	65.8	122.2
131	87.7	63.7	118.3
166	125.5	88.8	165.0

164 100

129 89.2 65.8 122.2

131 87.7 63.7 118.3

166 125.5 88.8 165.0



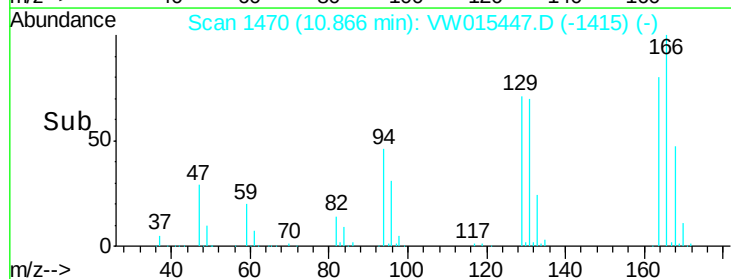
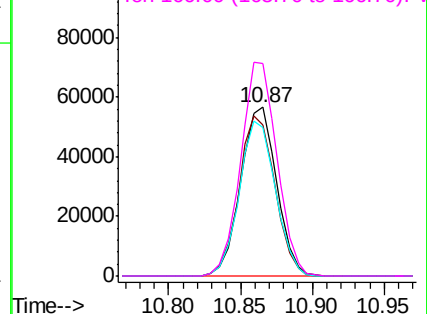
Abundance

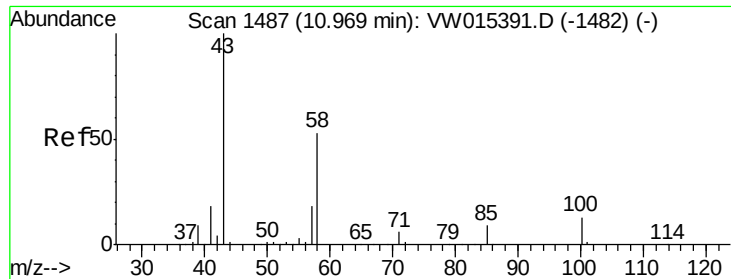
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 53.237 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 113609

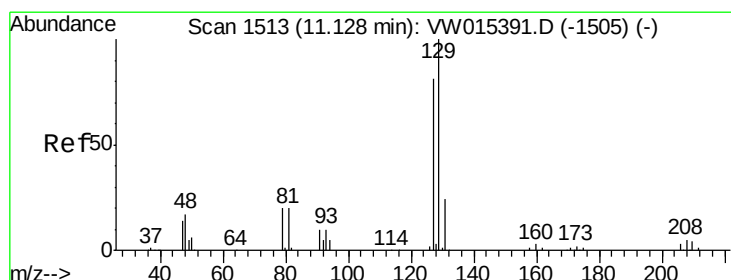
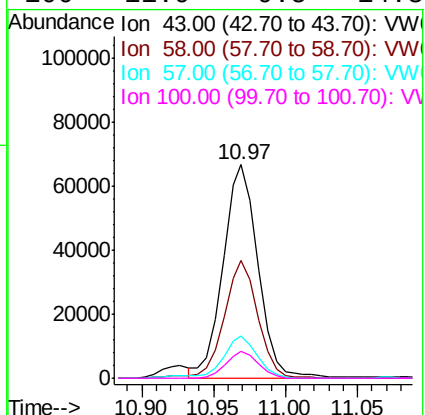
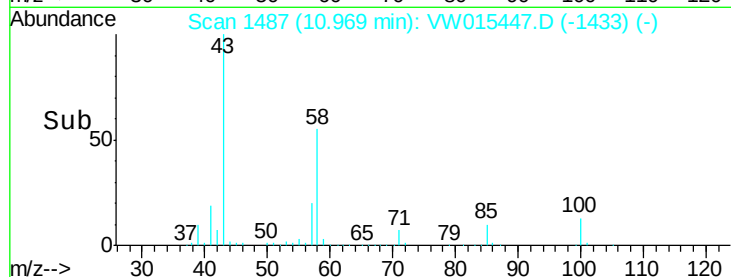
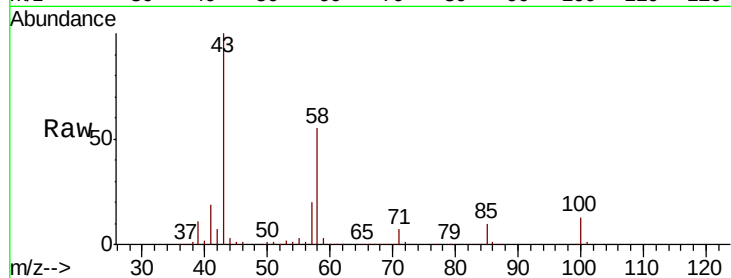
Ion Ratio Lower Upper

43 100

58 52.5 41.5 62.3

57 18.8 15.3 22.9

100 11.9 9.5 14.3



#50

Dibromochloromethane

Concen: 24.533 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015447.D

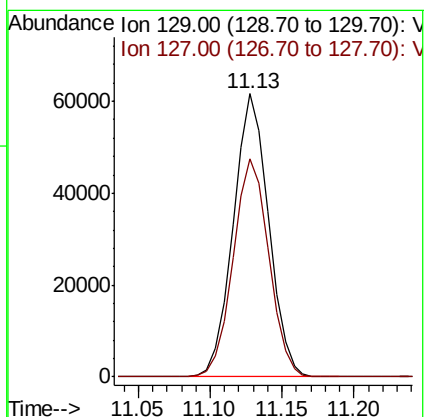
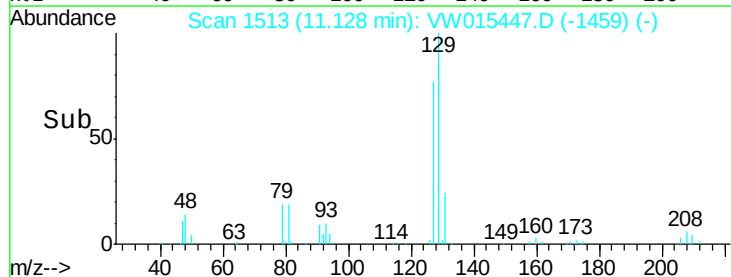
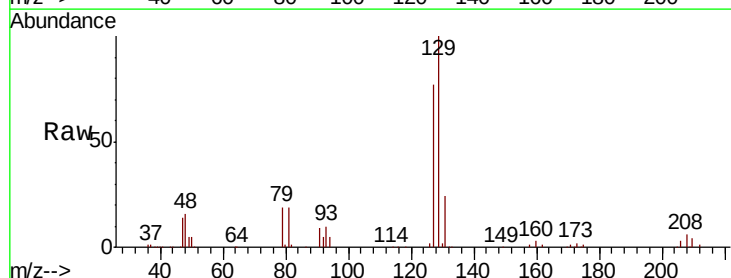
Acq: 22 May 2020 10:24

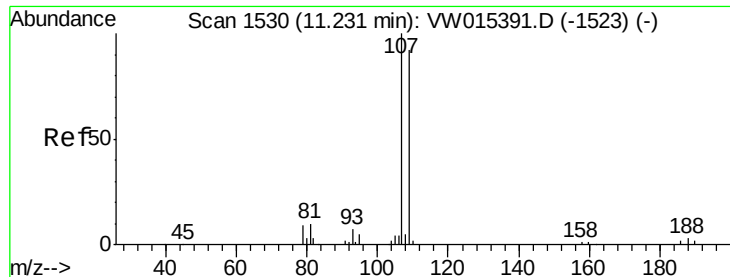
Tgt Ion: 129 Resp: 105184

Ion Ratio Lower Upper

129 100

127 77.2 54.5 101.1

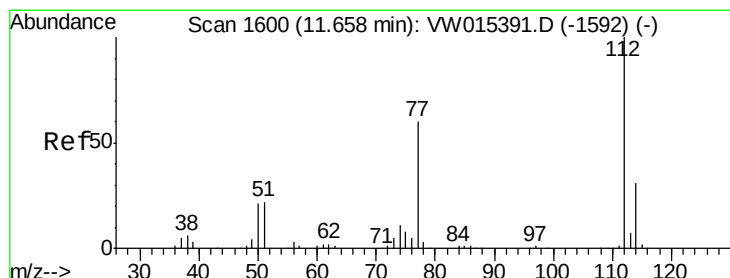
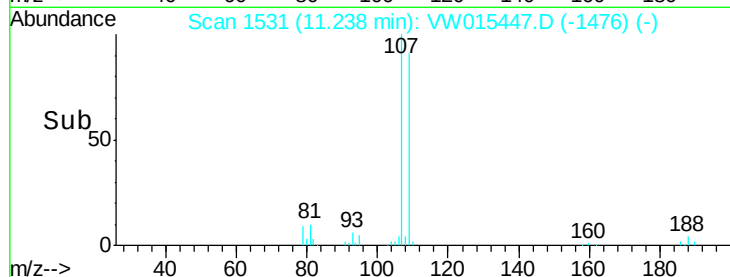
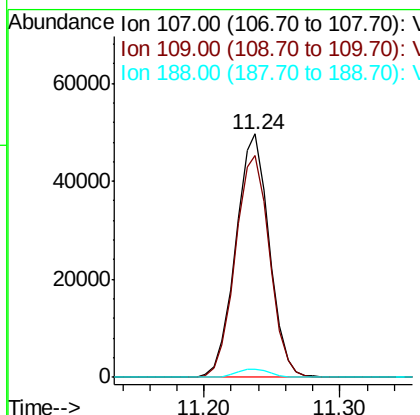
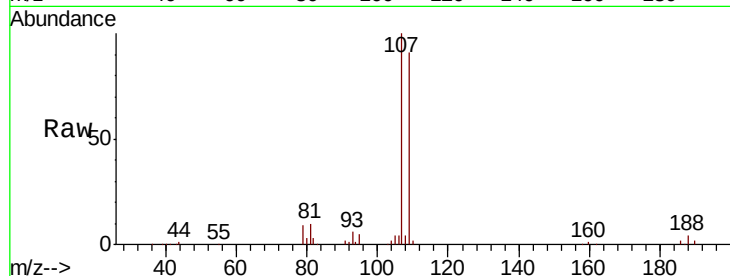




#51
1,2-Dibromoethane
Concen: 25.202 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

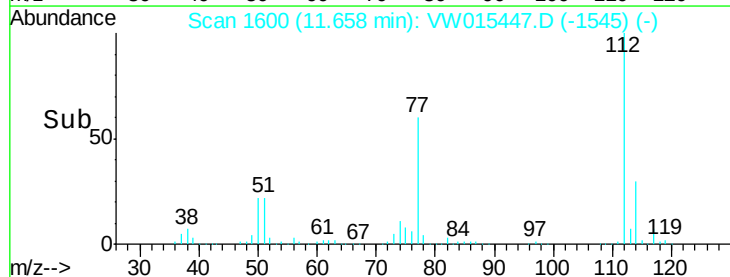
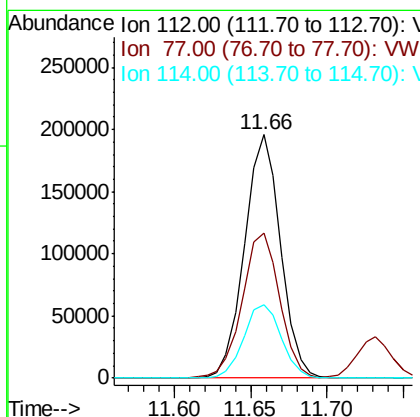
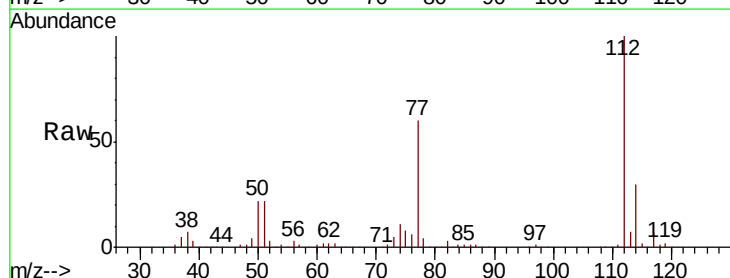
Instrument :
MSVOA_W
ClientSampleId :

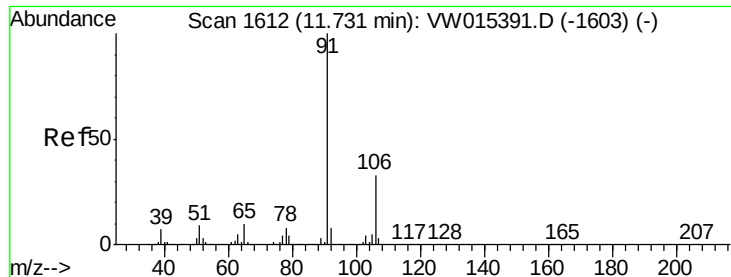
Tot Ion:107 Resp: 85233
Ion Ratio Lower Upper
107 100
109 91.2 66.2 123.0
188 3.5 2.9 4.3



#52
Chlorobenzene
Concen: 22.944 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

Tgt Ion:112 Resp: 320007
Ion Ratio Lower Upper
112 100
77 59.6 48.6 73.0
114 30.3 21.2 39.4

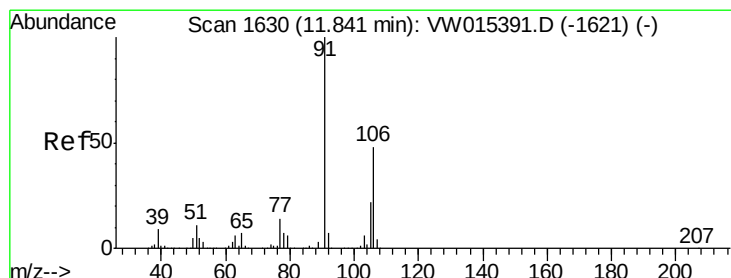
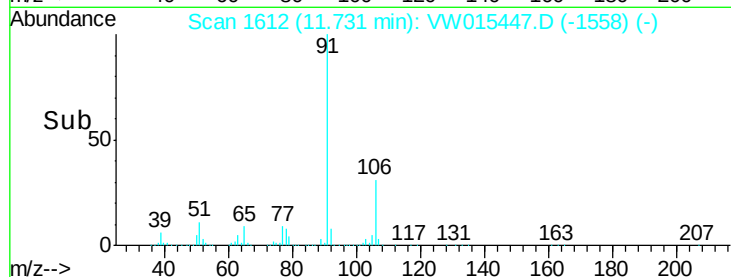
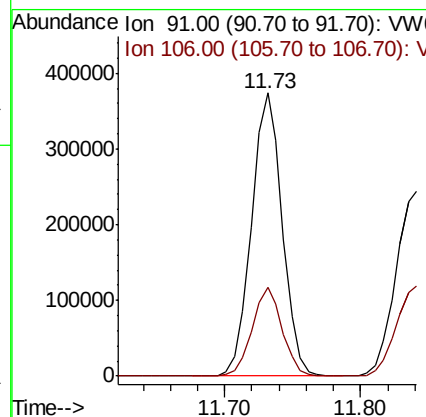
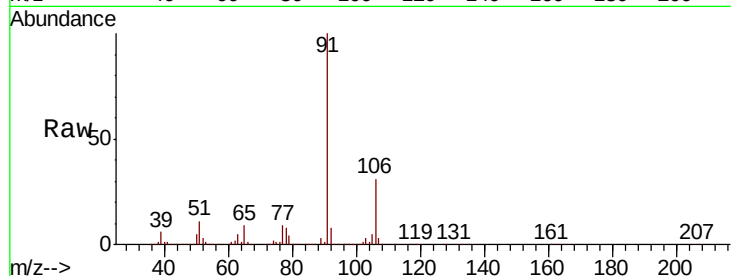




#53
Ethylbenzene
Concen: 22.900 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

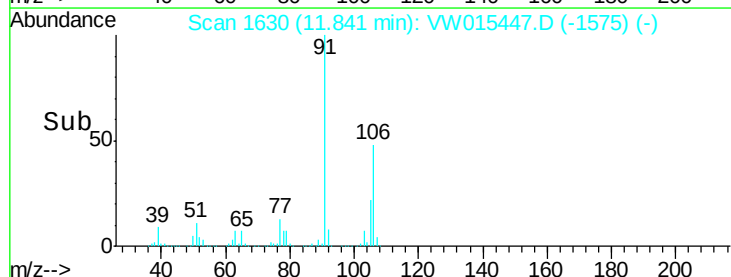
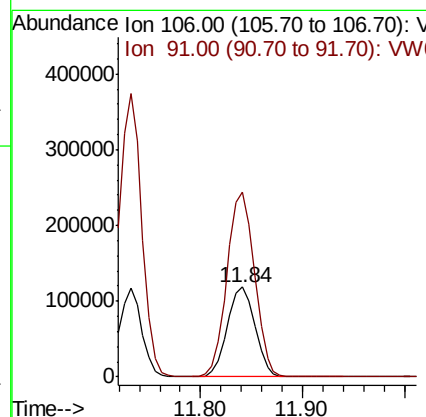
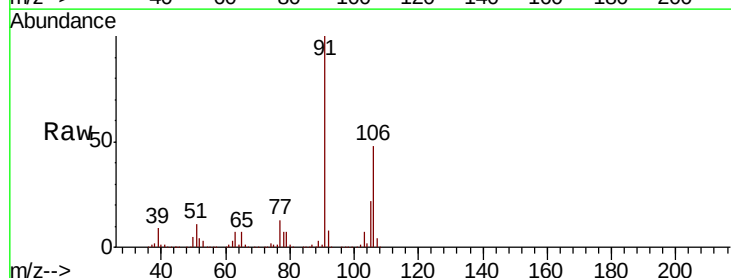
Instrument :
MSVOA_W
ClientSampled :

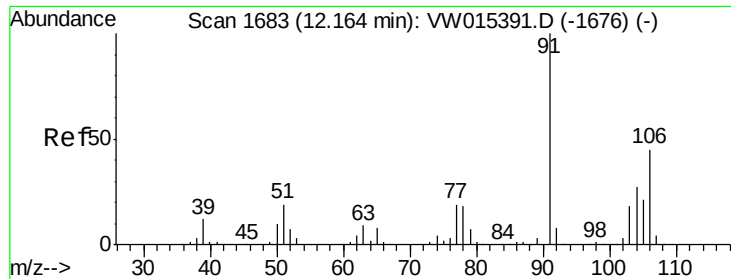
Tot Ion: 91 Resp: 590430
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.1



#54
m,p-Xylene
Concen: 23.126 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015447.D
Acq: 22 May 2020 10:24

Tgt Ion: 106 Resp: 222755
Ion Ratio Lower Upper
106 100
91 206.6 145.0 269.4





#55

o-xylene

Concen: 22.903 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

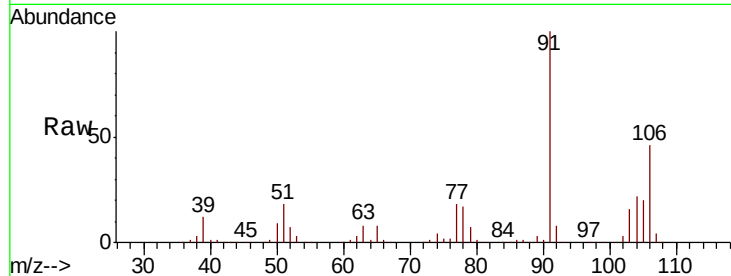
ClientSampled :

Tot Ion:106 Resp: 212239

Ion Ratio Lower Upper

106 100

91 217.9 152.3 282.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

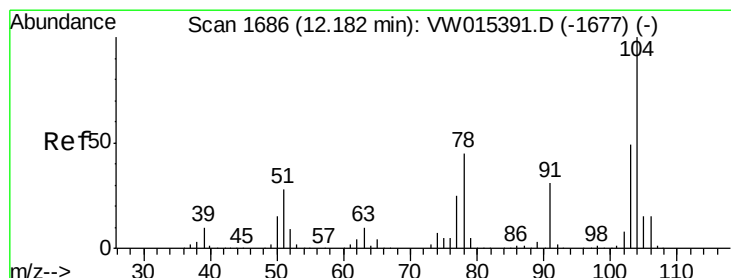
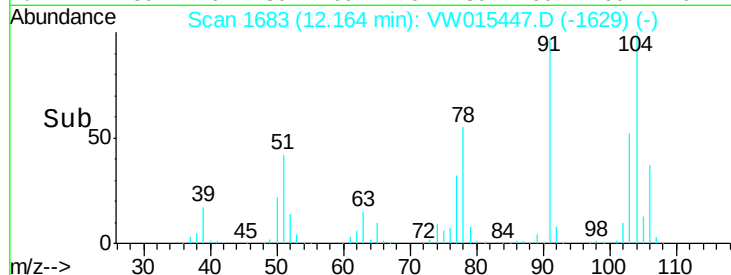
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 22.757 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW015447.D

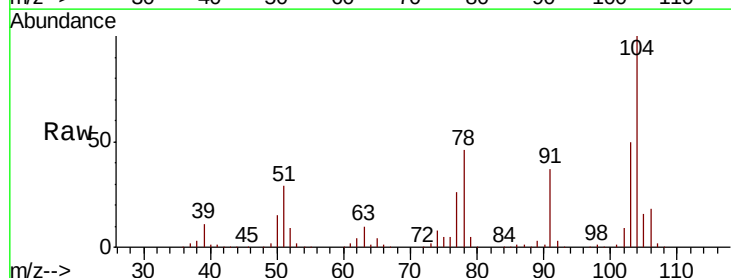
Acq: 22 May 2020 10:24

Tgt Ion:104 Resp: 360052

Ion Ratio Lower Upper

104 100

78 45.7 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

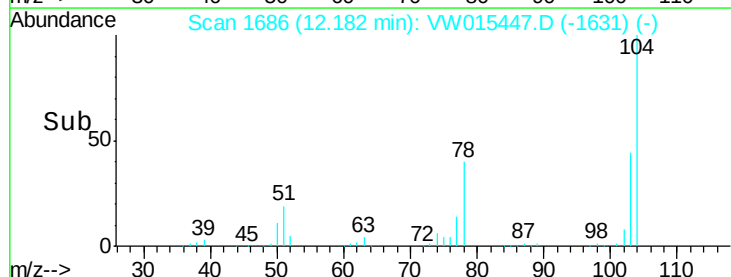
100000

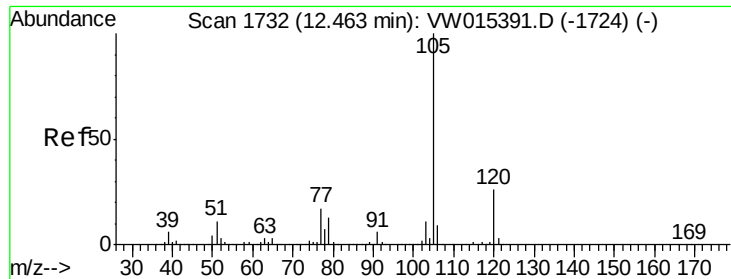
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 23.292 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

ClientSampled :

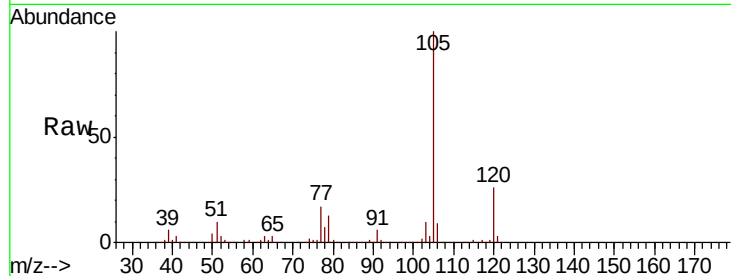
Tot Ion:105 Resp: 596242

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

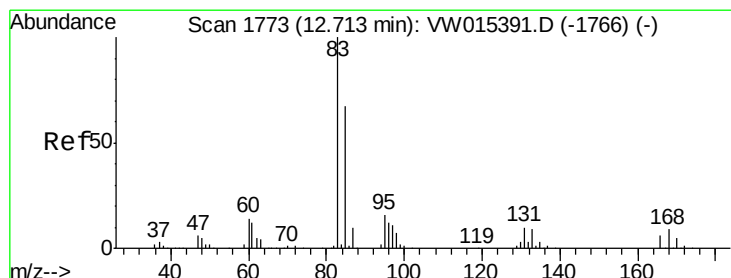
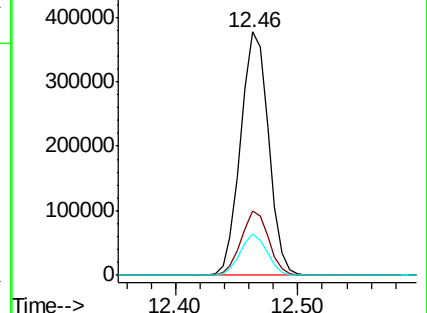
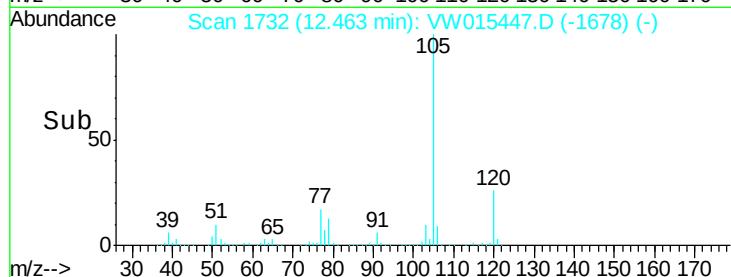
77 16.2 13.3 19.9



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



#58

1,1,2,2-Tetrachloroethane

Concen: 25.447 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

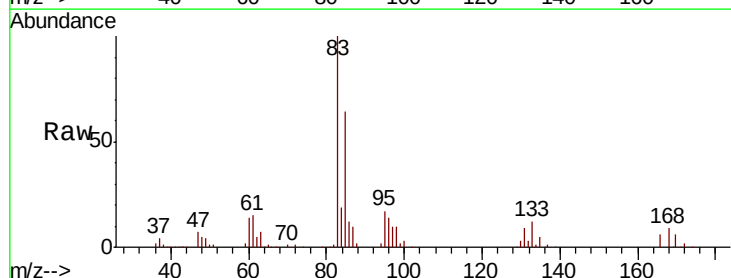
Tgt Ion: 83 Resp: 107279

Ion Ratio Lower Upper

83 100

85 64.0 46.3 86.1

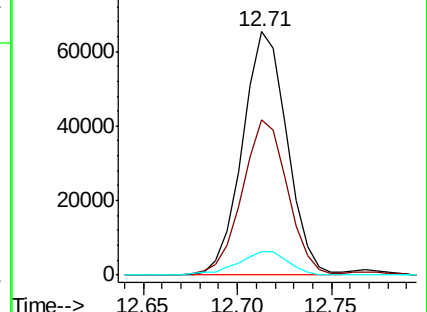
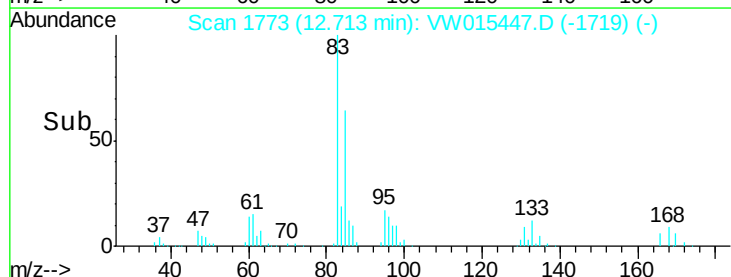
131 9.5 7.9 11.9

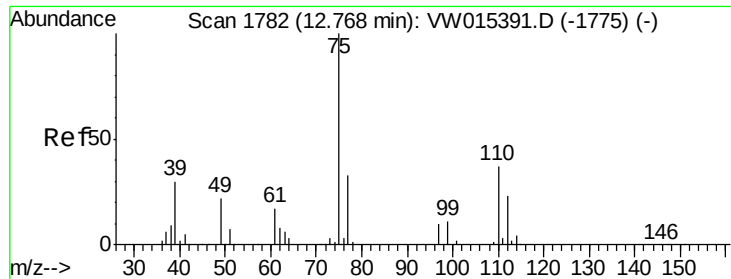


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.544 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

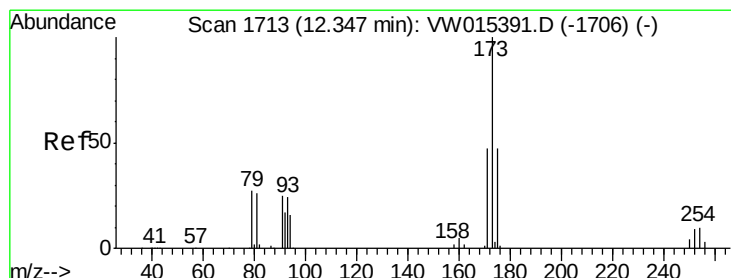
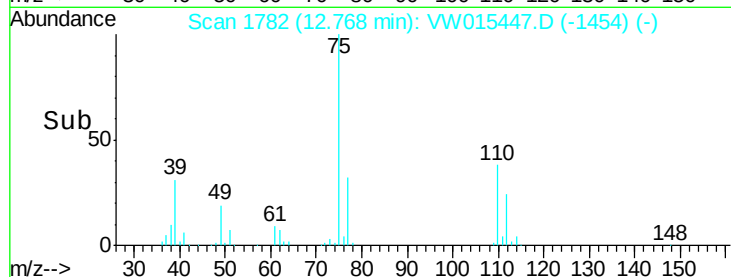
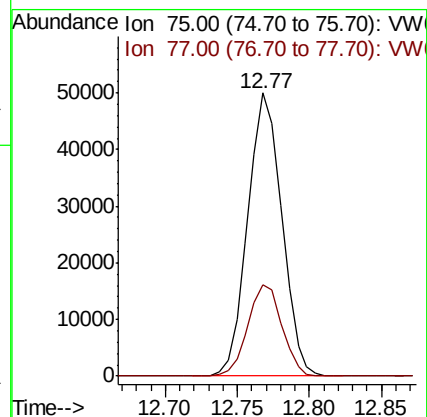
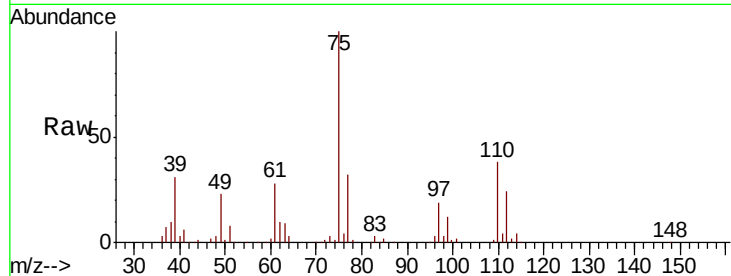
ClientSampled :

Tot Ion: 75 Resp: 81792

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 25.396 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

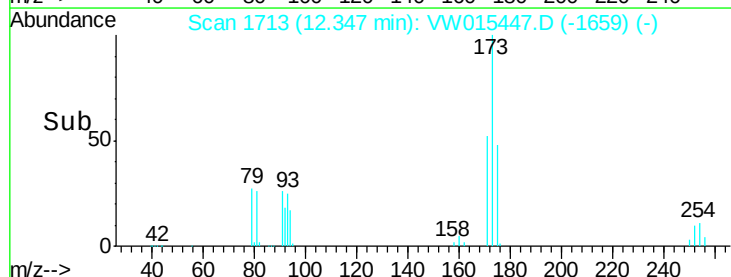
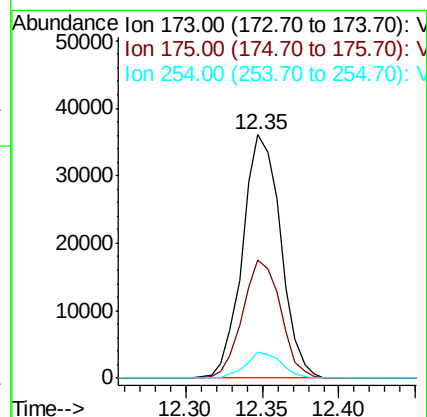
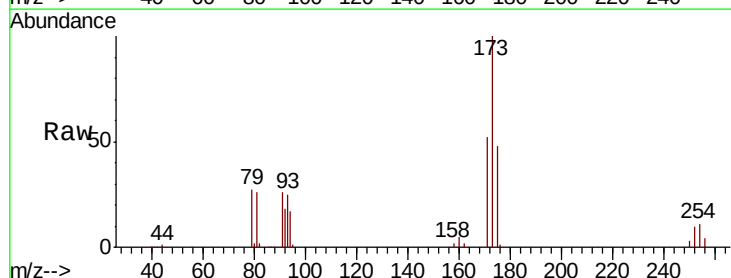
Tgt Ion: 173 Resp: 62597

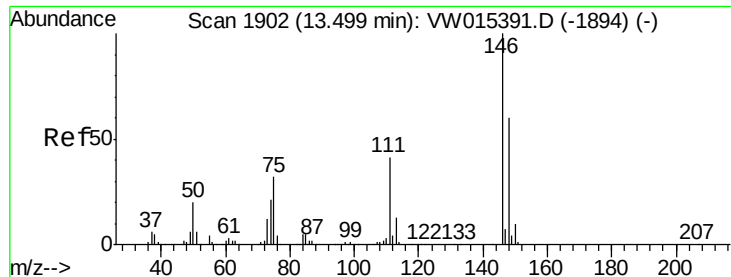
Ion Ratio Lower Upper

173 100

175 48.3 40.7 61.1

254 10.1 7.6 11.4

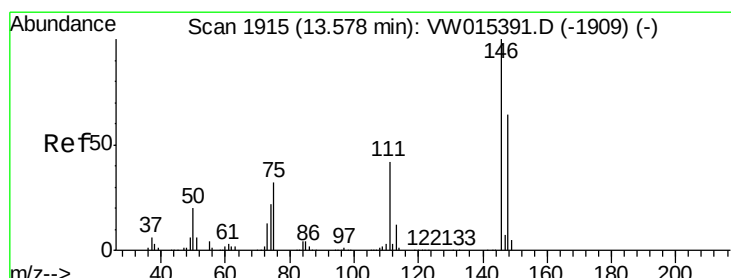
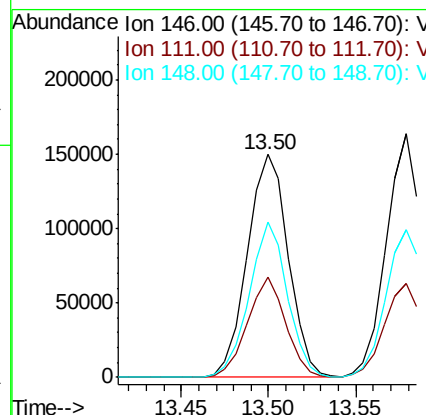
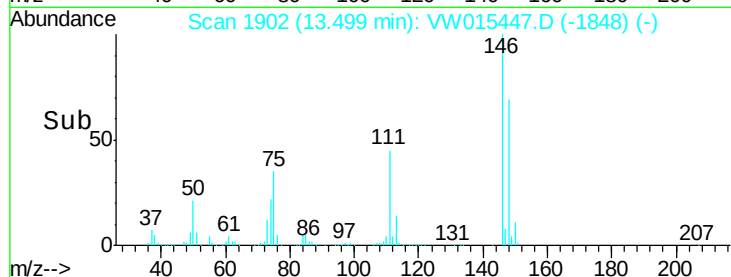
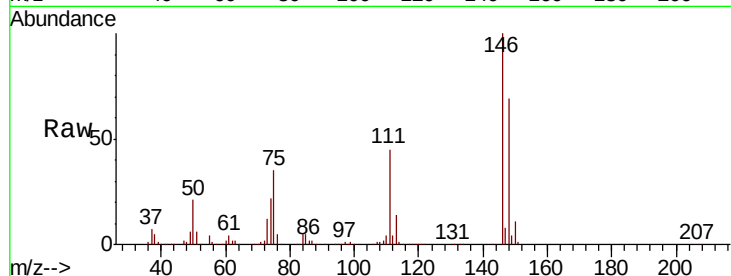




#63
 1,3-Dichlorobenzene
 Concen: 22.963 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

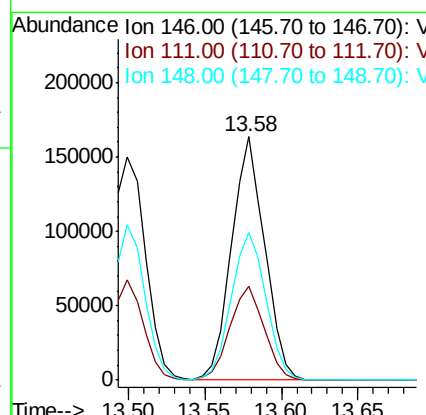
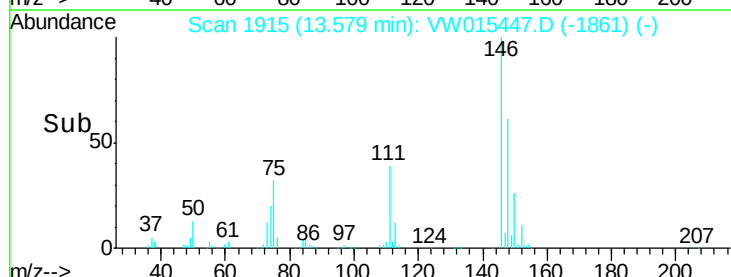
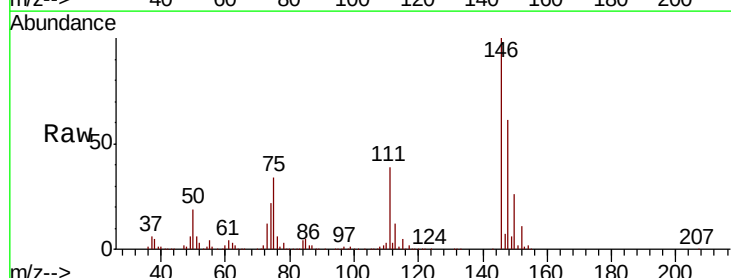
Instrument :
 MSVOA_W
 ClientSampleId :

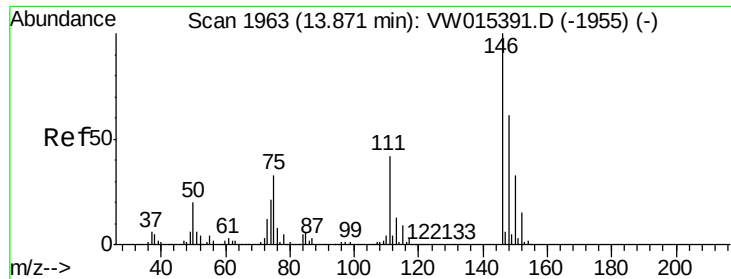
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	27.9	51.9
148	69.5	44.5	82.7



#64
 1,4-Dichlorobenzene
 Concen: 23.282 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.2	52.4
148	60.8	43.8	81.3

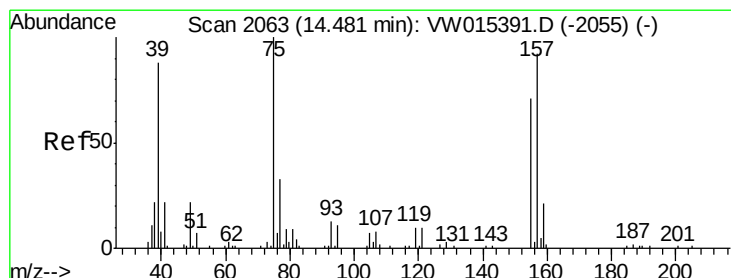
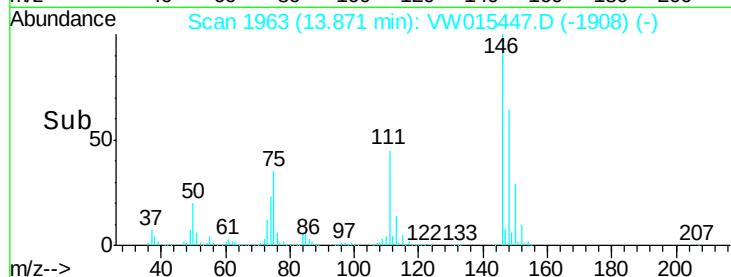
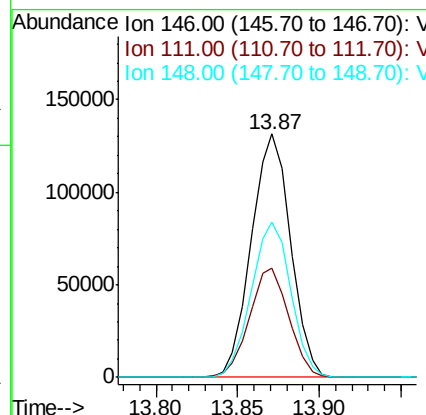
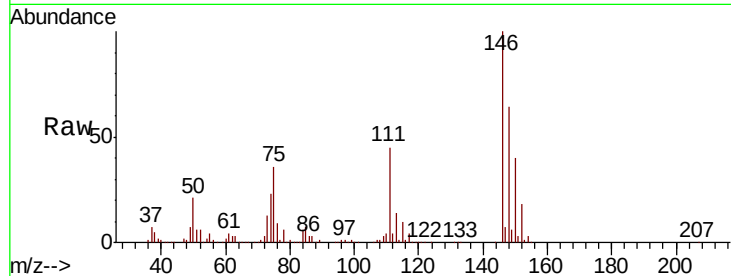




#65
 1,2-Dichlorobenzene
 Concen: 23.576 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

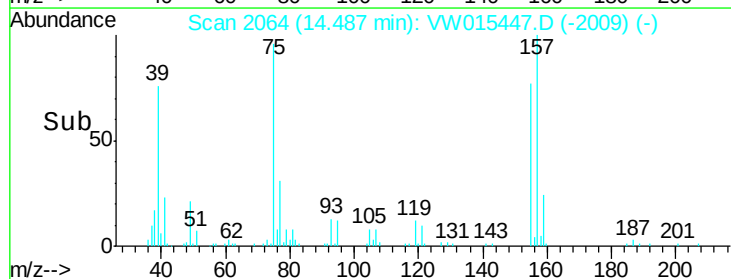
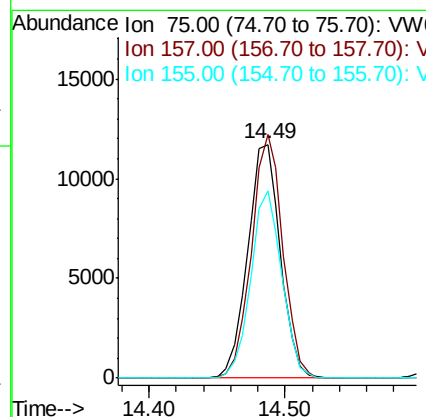
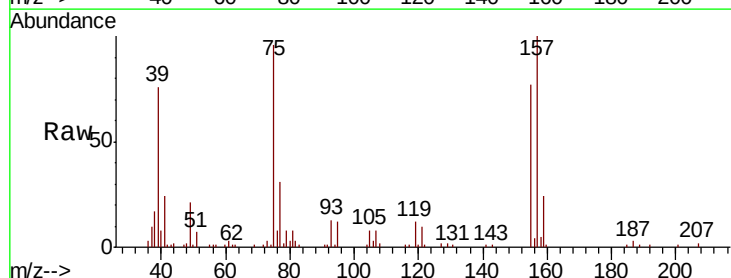
Instrument :
 MSVOA_W
 ClientSampleId :

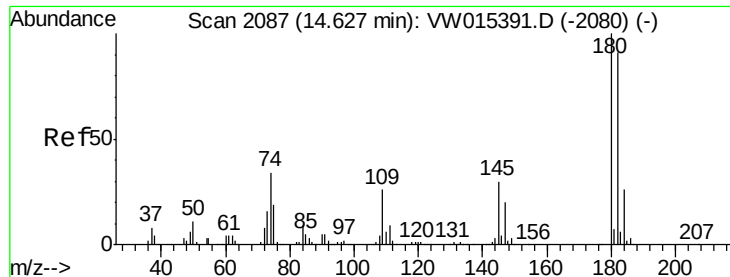
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	34.3	51.5
148	63.7	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.151 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	104.1	72.7	109.1
155	80.1	56.7	85.1

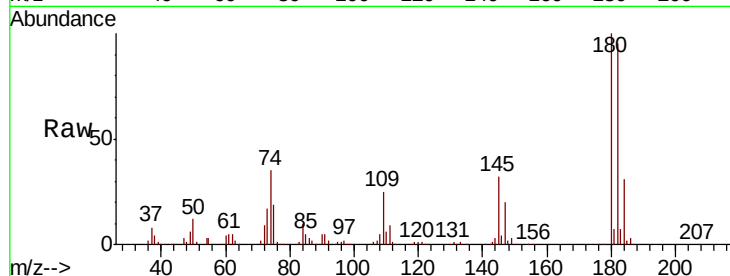




#67
 1,3,5-Trichlorobenzene
 Concen: 23.763 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
184	31.2	24.7	37.1
145	31.5	24.7	37.1



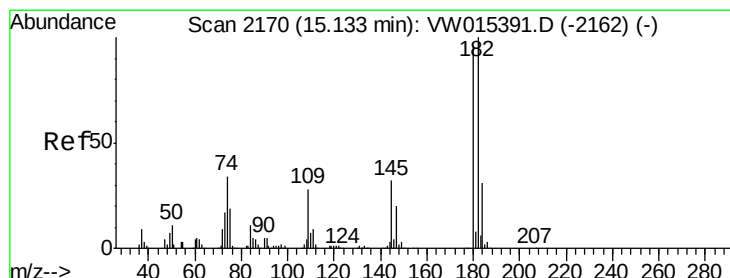
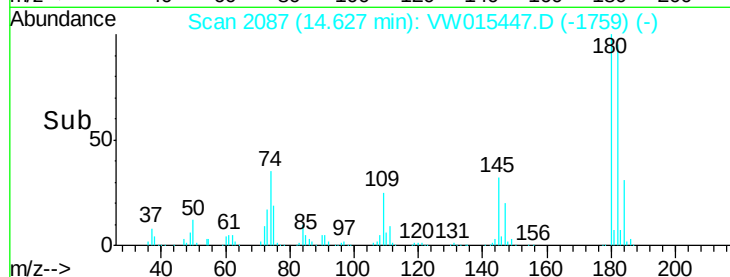
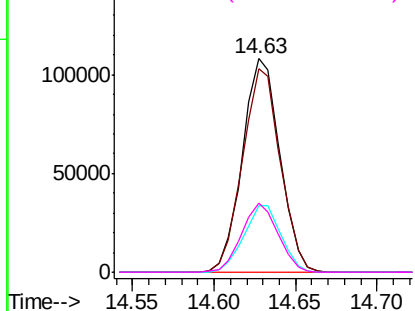
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

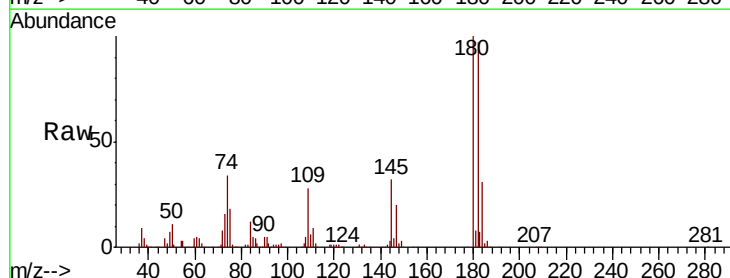
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.005 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015447.D
 Acq: 22 May 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.9	116.9
145	31.2	26.5	39.7

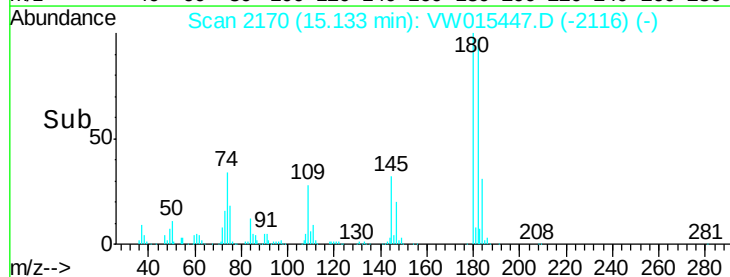
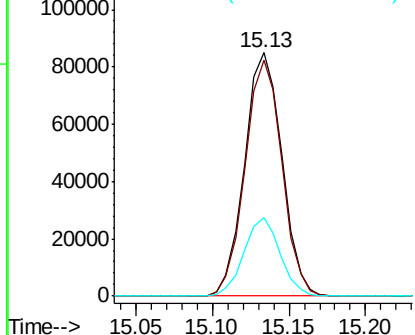


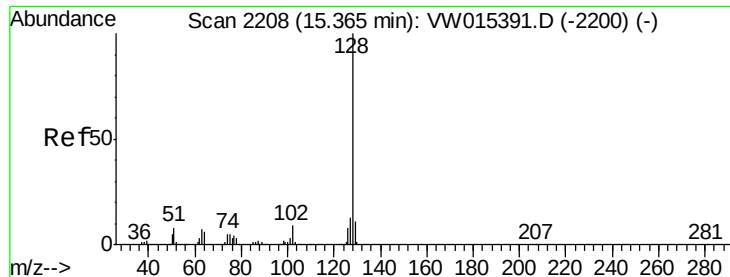
Abundance

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: 25.327 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

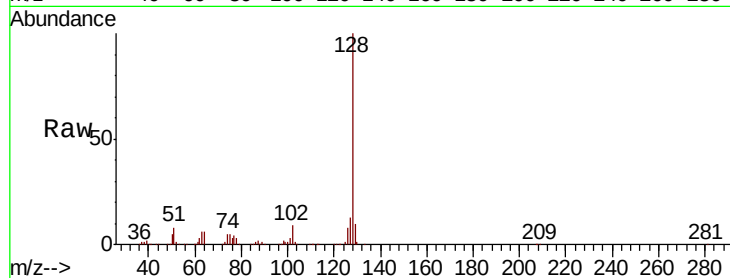
Tot Ion:128 Resp: 286361

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

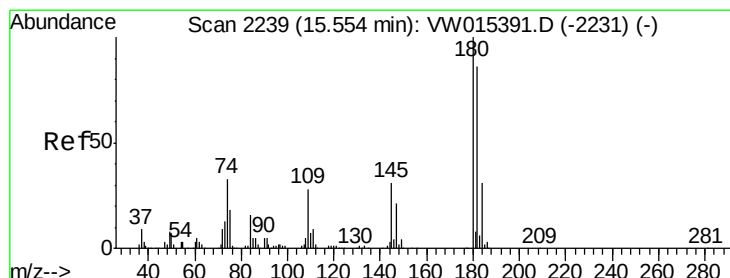
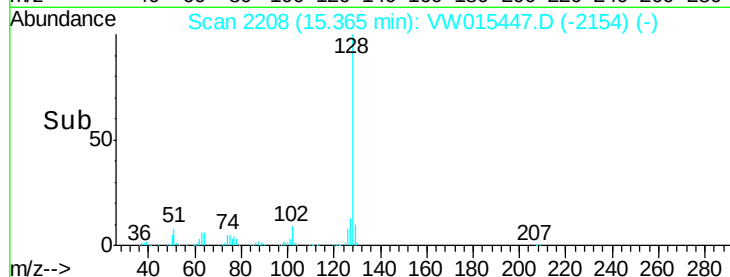
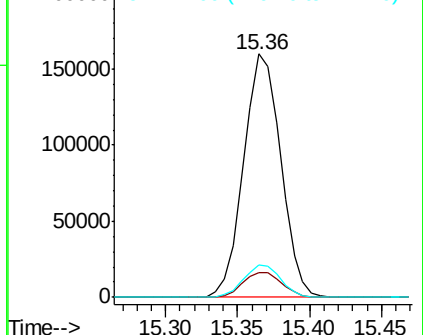
127 13.3 10.3 15.5



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: 23.757 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW015447.D

Acq: 22 May 2020 10:24

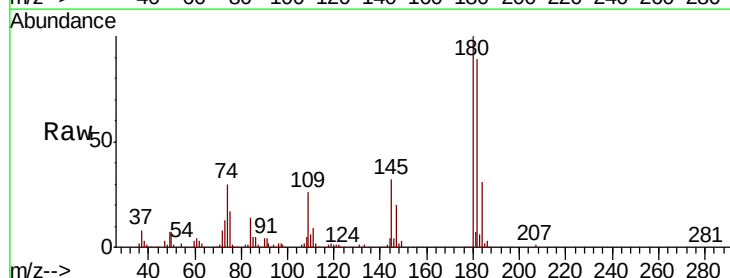
Tgt Ion:180 Resp: 123318

Ion Ratio Lower Upper

180 100

182 95.6 75.7 113.5

145 33.8 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

