

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015175.D
 Acq On : 10 Apr 2020 11:49
 Operator : SY/VA
 Sample : VSTD02506
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 10 12:29:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 12:17:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1314890	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1167387	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	530753	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	305843	14.34	ug/L	0.00
7) Chloroethane-d5	2.89	69	229786	13.23	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	800162	18.17	ug/L	0.00
20) 2-Butanone-d5	7.08	46	216733	42.09	ug/L	0.00
24) Chloroform-d	7.65	84	765463	19.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	385380	17.45	ug/L	0.00
29) Benzene-d6	8.27	84	1607301	21.41	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	490122	19.89	ug/L	0.00
37) Toluene-d8	10.32	98	1504535	23.22	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	229465	23.55	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	187451	49.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	376705	21.97	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	476013	24.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	207554	20.904	ug/L 100
3) Chloromethane	2.21	50	258231	14.652	ug/L 100
5) Vinyl chloride	2.37	62	387471	15.947	ug/L 100
6) Bromomethane	2.78	94	196603	14.741	ug/L 100
8) Chloroethane	2.93	64	192580	13.386	ug/L 100
9) Trichlorofluoromethane	3.26	101	305213	21.399	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	436898	21.893	ug/L 100
12) 1,1-Dichloroethene	4.04	96	437947	22.923	ug/L 100
13) Acetone	4.12	43	131078	30.852	ug/L 100
14) Carbon disulfide	4.39	76	1460145	21.023	ug/L 100
15) Methyl Acetate	4.67	43	177548	17.474	ug/L 100
16) Methylene chloride	4.92	84	433241	20.021	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	598777	24.043	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	448702	22.659	ug/L 100
19) 1,1-Dichloroethane	6.22	63	760831	18.636	ug/L 100
21) 2-Butanone	7.17	43	236581	38.405	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	466823	23.566	ug/L 100
23) Bromochloromethane	7.51	128	194836	23.855	ug/L 100
25) Chloroform	7.68	83	749688	20.046	ug/L 100
27) 1,2-Dichloroethane	8.40	62	463385	17.705	ug/L 100
30) Cyclohexane	7.95	56	768963	21.218	ug/L 100
31) 1,1,1-Trichloroethane	7.87	97	636188	21.433	ug/L 100
32) Carbon tetrachloride	8.07	117	582837	22.444	ug/L 100
34) Benzene	8.32	78	1784661	21.488	ug/L 100
35) Trichloroethene	9.09	95	461603	22.500	ug/L 100
36) Methylcyclohexane	9.34	83	825934	23.339	ug/L 100
40) 1,2-Dichloropropane	9.37	63	439164	19.464	ug/L 100
41) Bromodichloromethane	9.64	83	553898	21.187	ug/L 100
42) cis-1,3-Dichloropropene	10.07	75	700601	22.937	ug/L 100
43) 4-Methyl-2-pentanone	10.21	43	535394	41.891	ug/L 100

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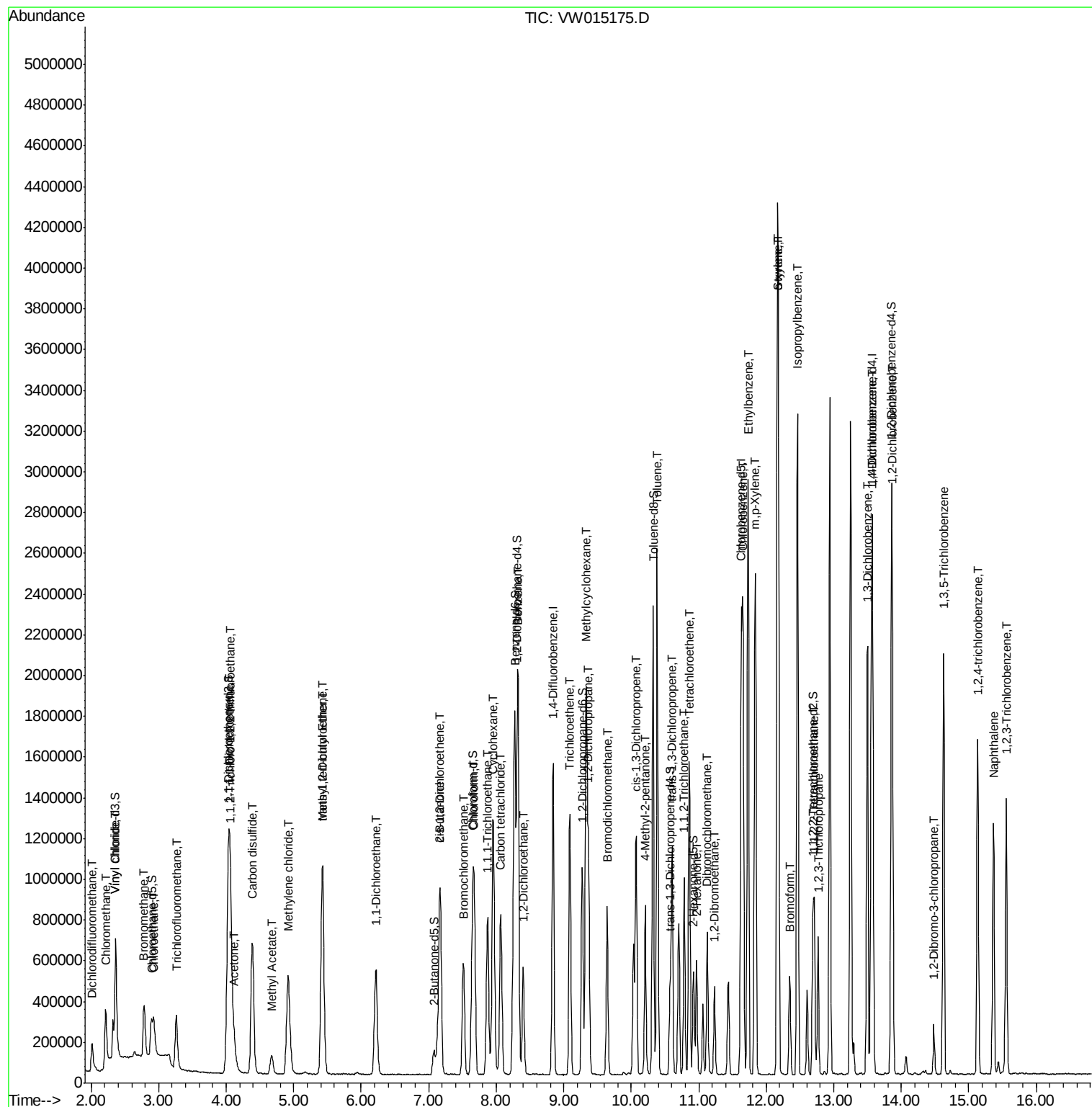
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1887075	22.808	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	610152	22.921	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	311781	22.804	ug/L	100
47) Tetrachloroethene	10.86	164	333366	24.589	ug/L	100
49) 2-Hexanone	10.96	43	362164	42.819	ug/L	100
50) Dibromochloromethane	11.13	129	366450	25.426	ug/L	100
51) 1,2-Dibromoethane	11.23	107	297615	24.250	ug/L	100
52) Chlorobenzene	11.65	112	1165114	23.599	ug/L	100
53) Ethylbenzene	11.73	91	2113233	23.506	ug/L	100
54) m,p-Xylene	11.84	106	812454	25.388	ug/L	100
55) o-xylene	12.16	106	781606	25.931	ug/L	100
56) Styrene	12.18	104	1320307	25.886	ug/L	100
57) Isopropylbenzene	12.46	105	2092368	25.316	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	369895	21.894	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	275809	21.822	ug/L	100
62) Bromoform	12.35	173	209655	26.687	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	854380	24.570	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	828647	23.533	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	768065	24.409	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	64236	21.782	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	608558	26.564	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	509392	29.061	ug/L	100
69) Naphthalene	15.36	128	1059408	30.978	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	446643	27.838	ug/L	100

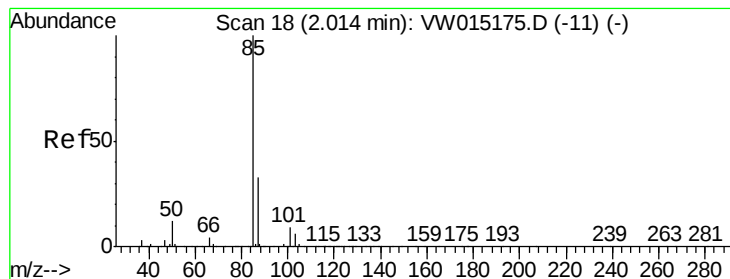
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.904 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

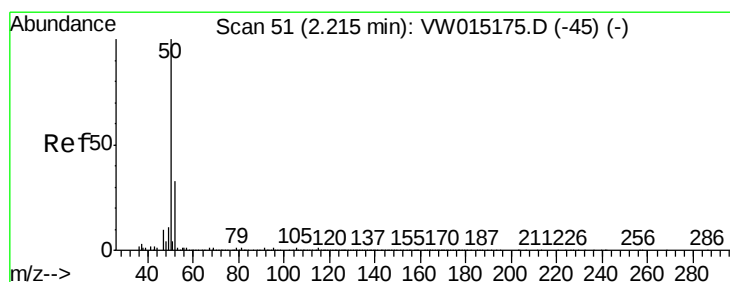
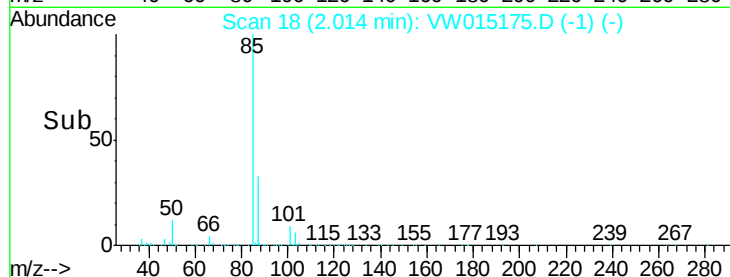
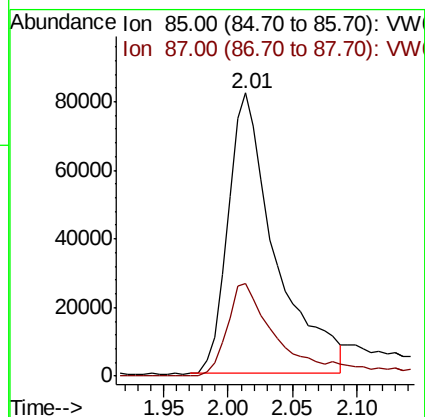
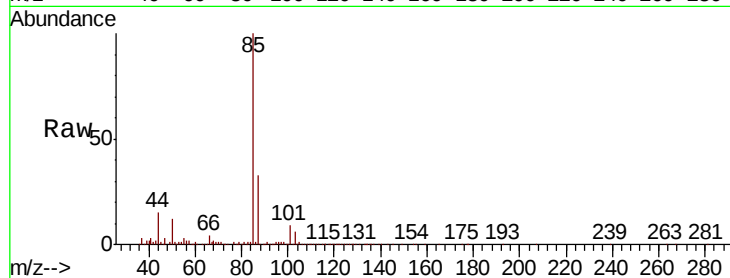
ClientSampleId :

Tot Ion: 85 Resp: 207554

Ion Ratio Lower Upper

85 100

87 32.2 22.5 41.9



#3

Chloromethane

Concen: 14.652 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015175.D

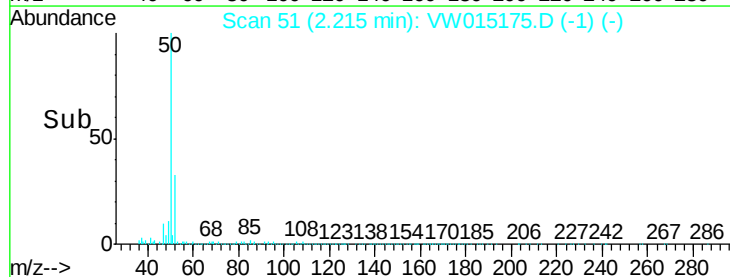
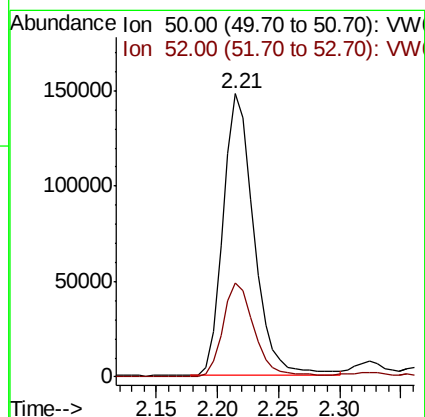
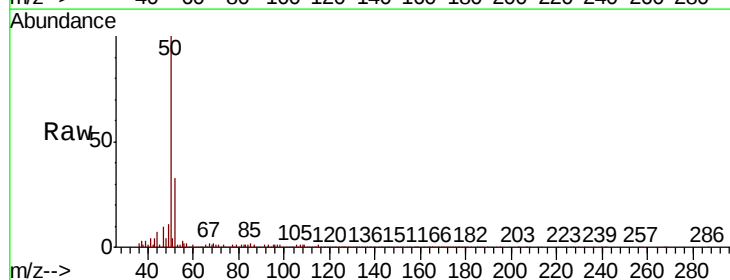
Acq: 10 Apr 2020 11:49

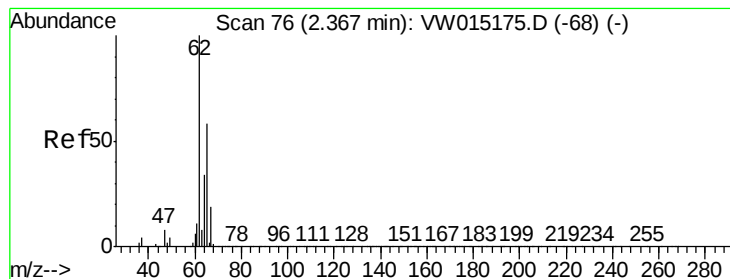
Tgt Ion: 50 Resp: 258231

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.0





#5

Vinyl chloride

Concen: 15.947 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

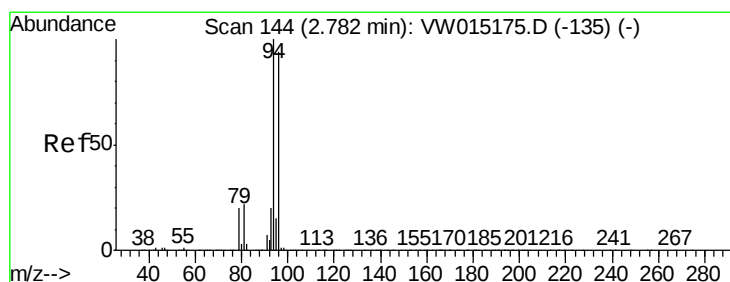
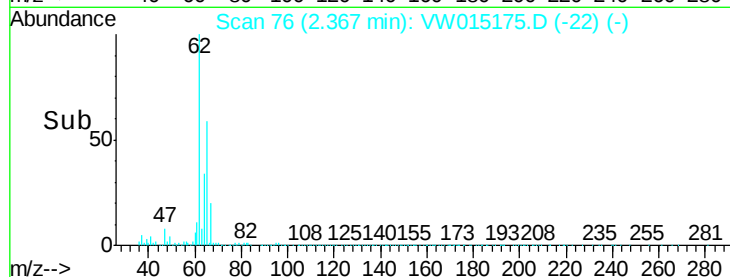
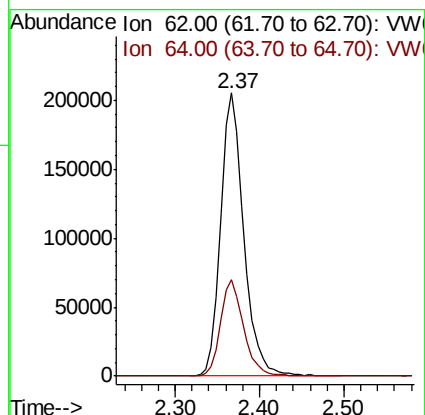
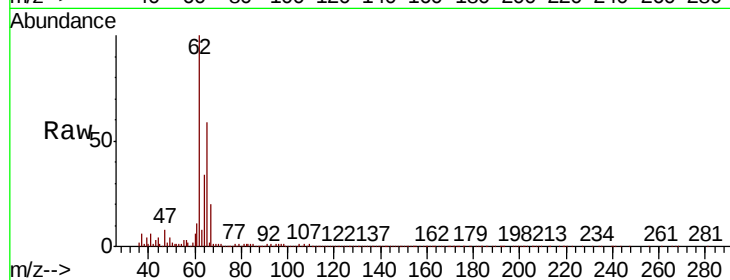
ClientSampled :

Tot Ion: 62 Resp: 387471

Ion Ratio Lower Upper

62 100

64 34.0 23.8 44.2



#6

Bromomethane

Concen: 14.741 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015175.D

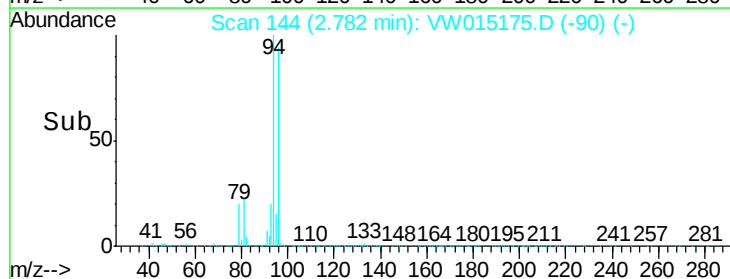
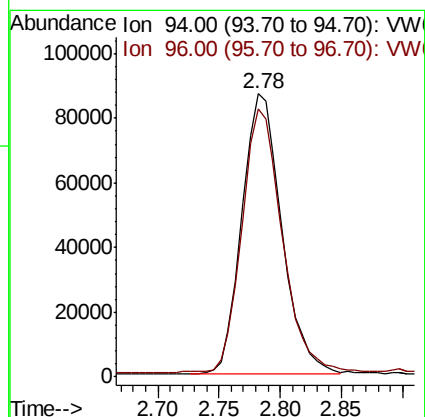
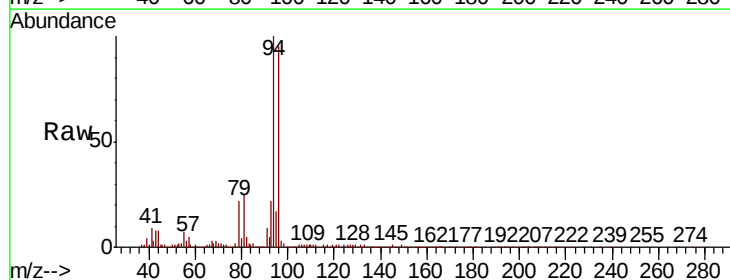
Acq: 10 Apr 2020 11:49

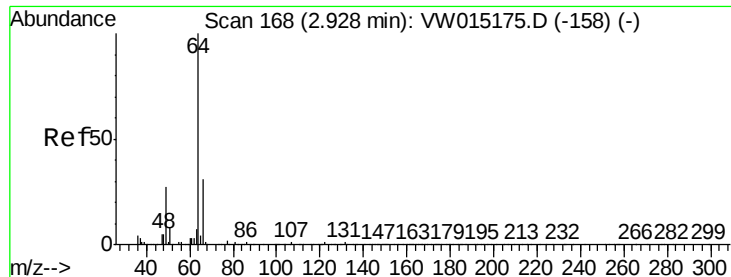
Tgt Ion: 94 Resp: 196603

Ion Ratio Lower Upper

94 100

96 95.4 9.5 181.3





#8

Chloroethane

Concen: 13.386 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

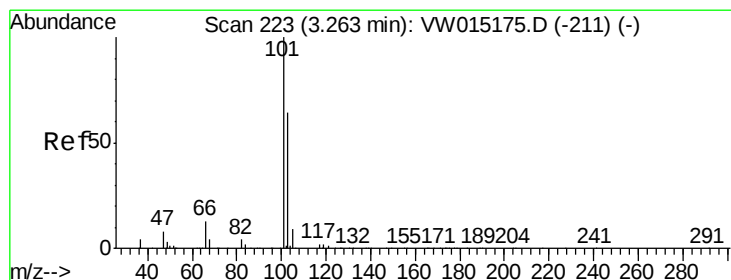
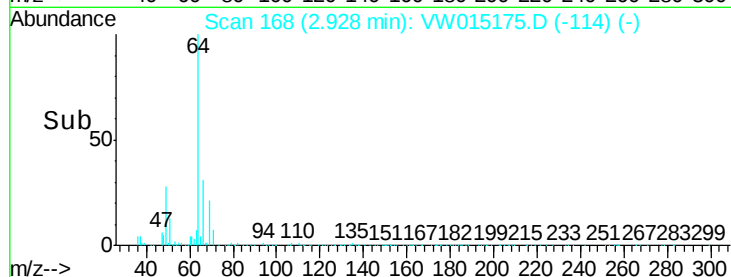
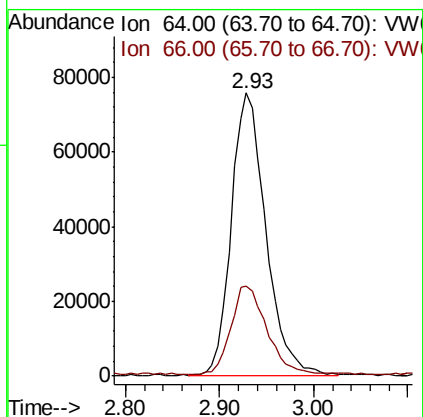
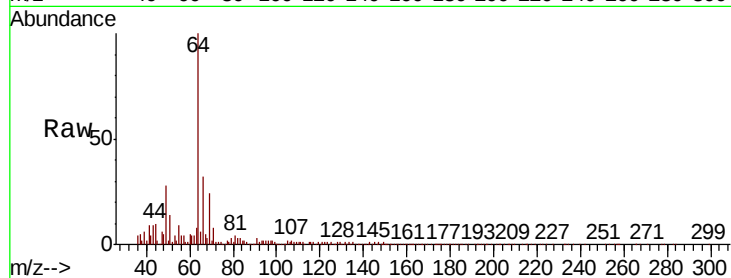
ClientSampleId :

Tot Ion: 64 Resp: 192580

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 21.399 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015175.D

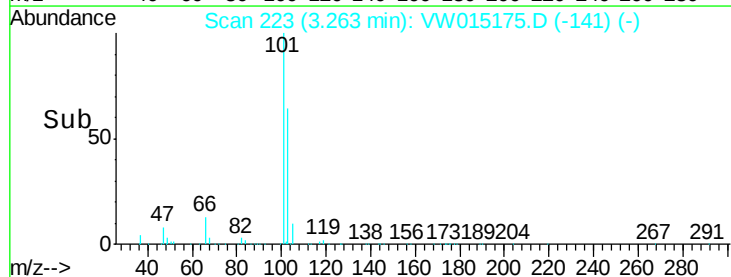
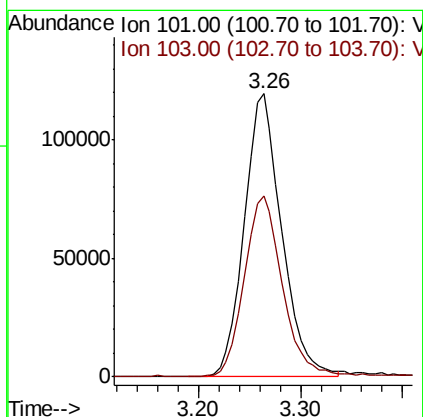
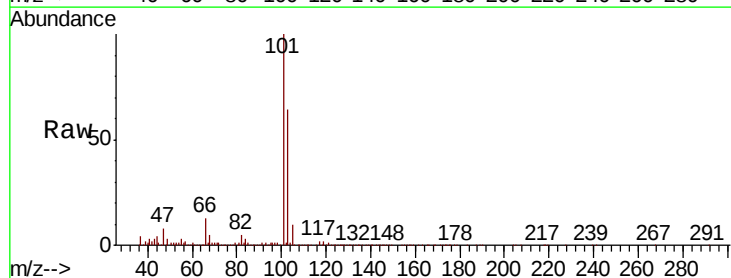
Acq: 10 Apr 2020 11:49

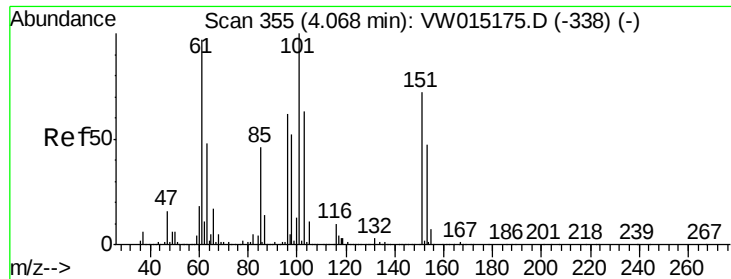
Tgt Ion: 101 Resp: 305213

Ion Ratio Lower Upper

101 100

103 64.2 44.9 83.5





#11

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

Concen: 21.893 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

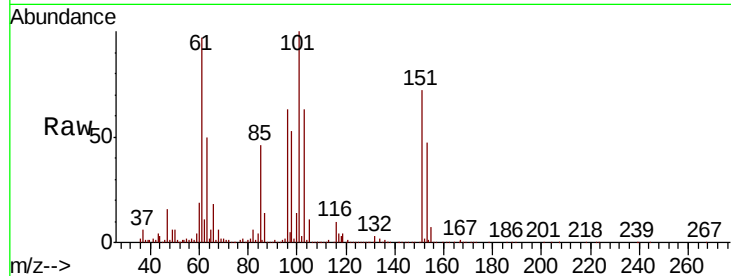
Tot Ion:101 Resp: 436898

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

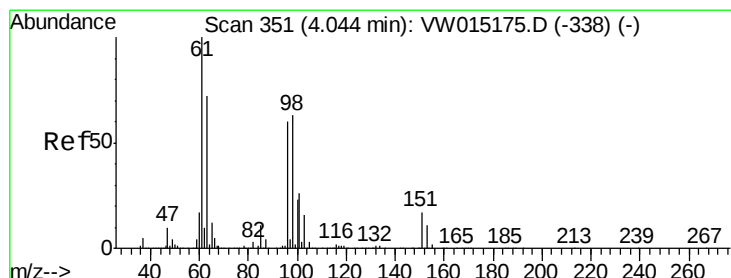
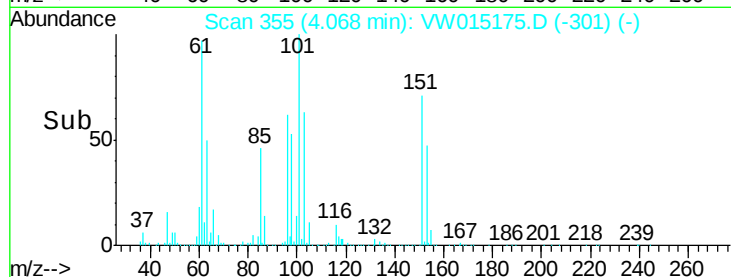
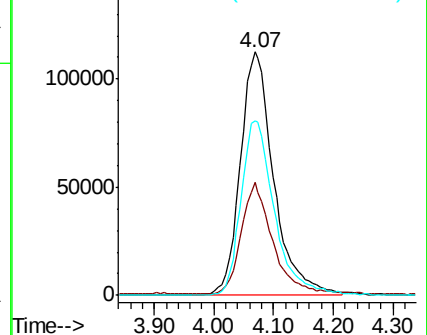
151 70.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.923 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

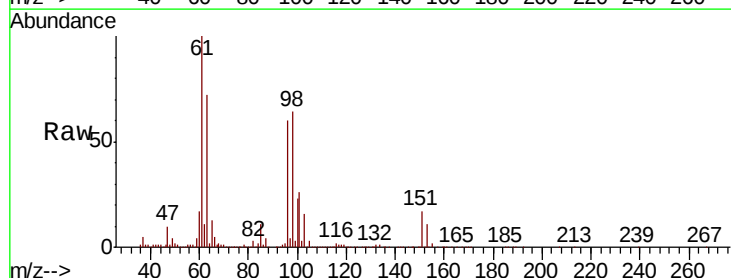
Tgt Ion: 96 Resp: 437947

Ion Ratio Lower Upper

96 100

61 166.3 116.4 216.2

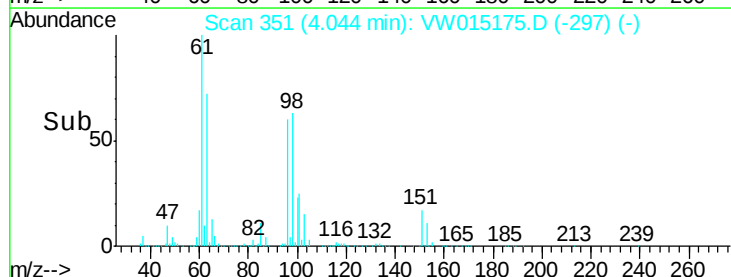
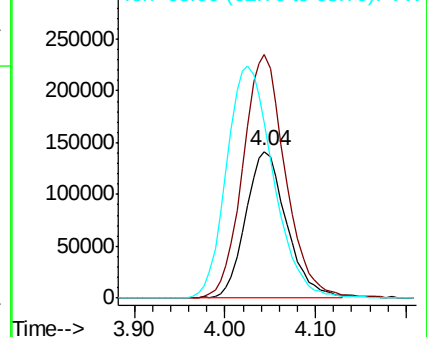
63 120.0 84.0 156.0

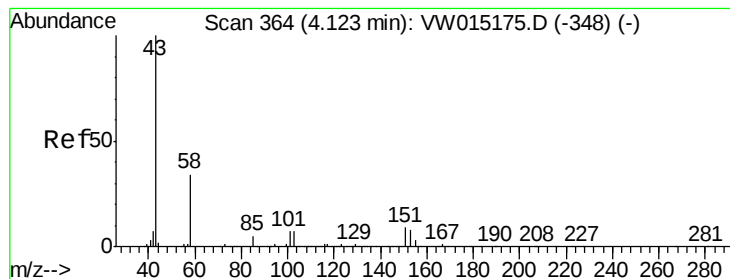


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 30.852 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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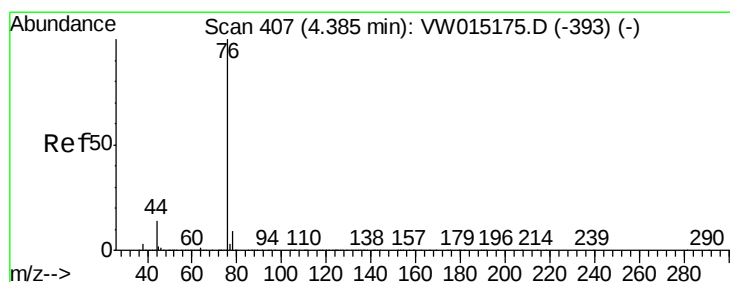
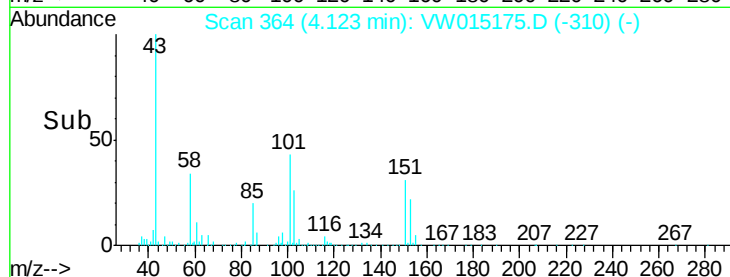
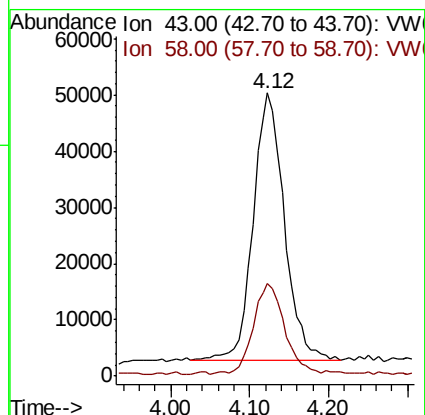
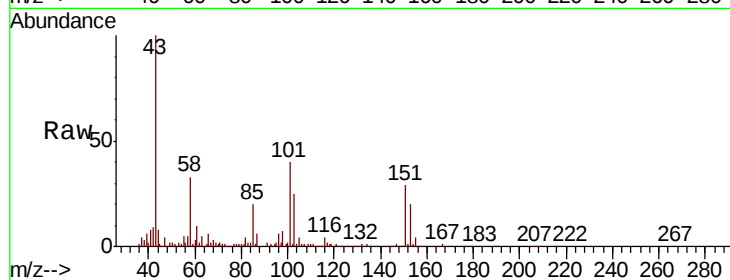
ClientSampled :

Tot Ion: 43 Resp: 131078

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



#14

Carbon disulfide

Concen: 21.023 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015175.D

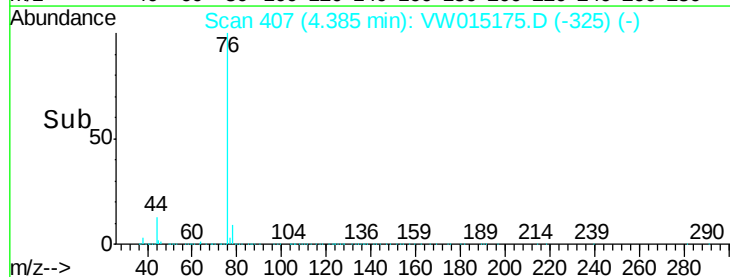
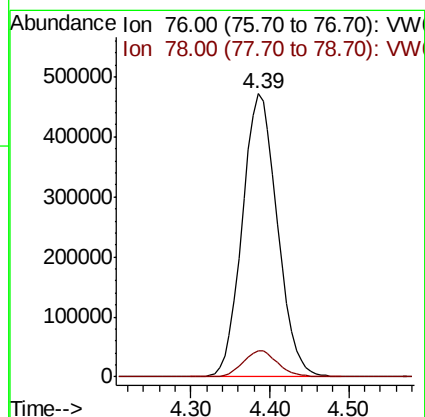
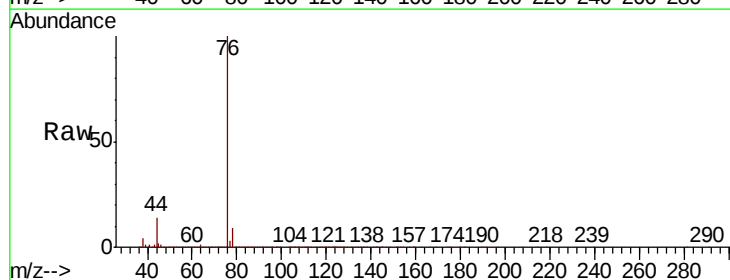
Acq: 10 Apr 2020 11:49

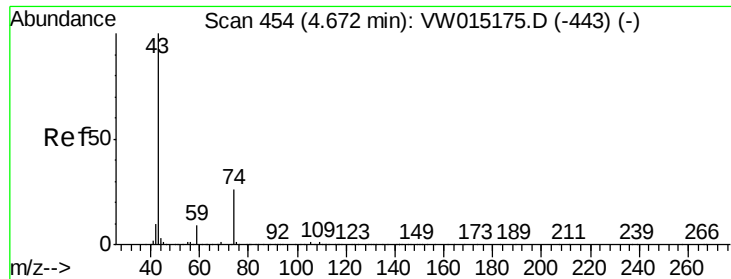
Tgt Ion: 76 Resp: 1460145

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

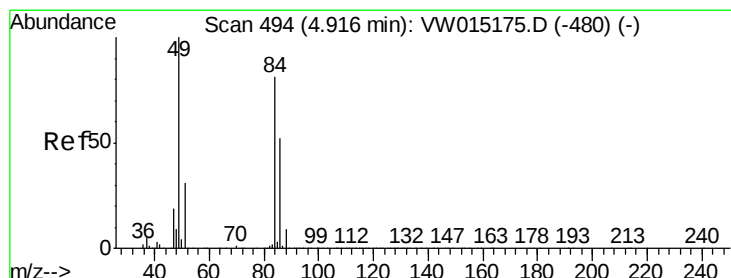
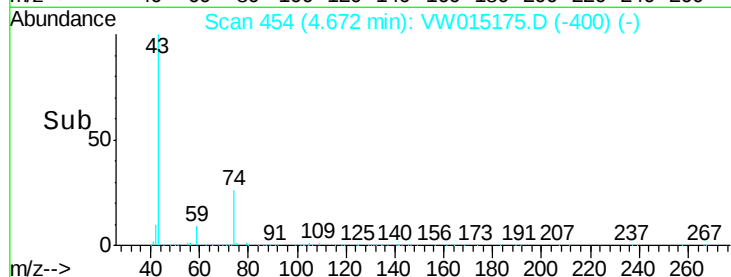
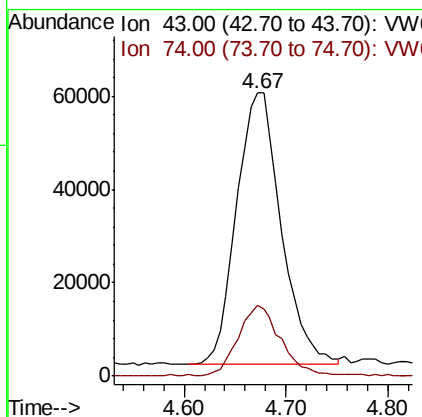
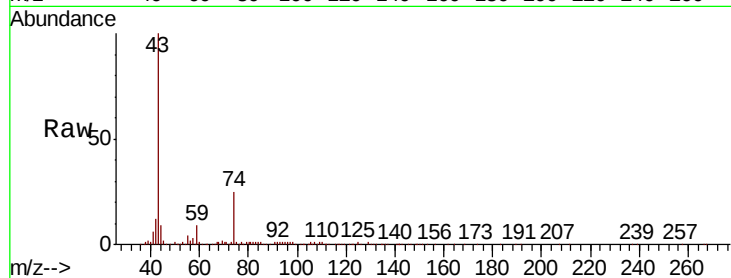




#15
Methyl Acetate
Concen: 17.474 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

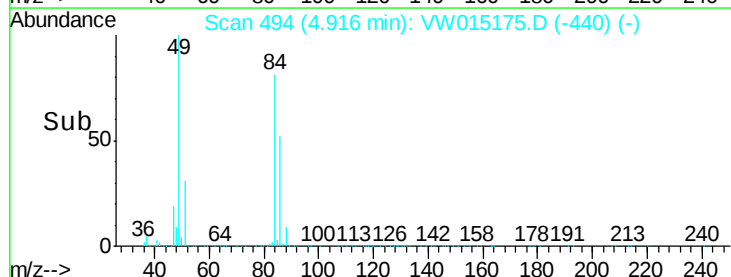
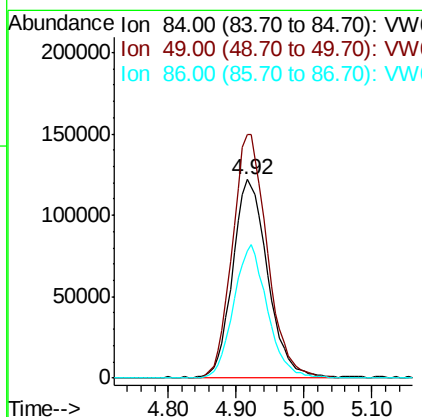
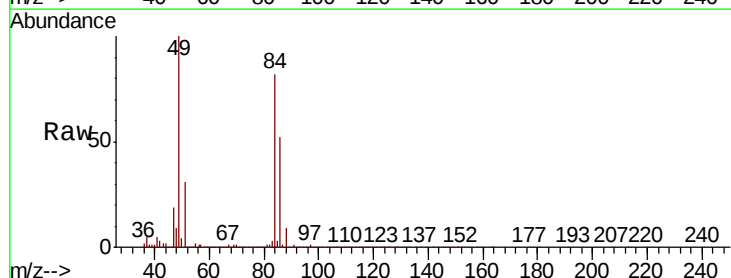
Instrument :
MSVOA_W
ClientSampleId :

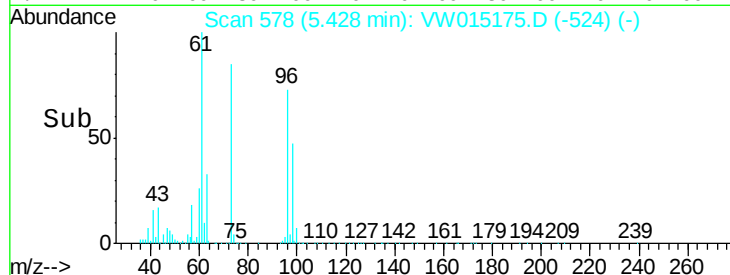
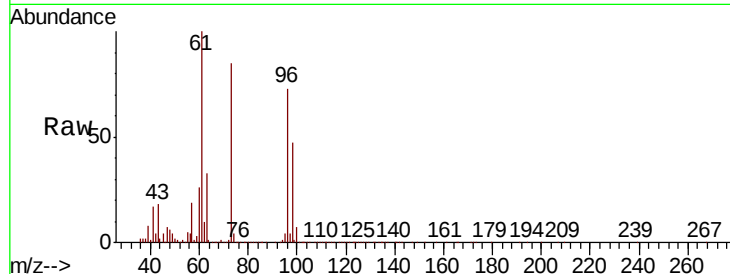
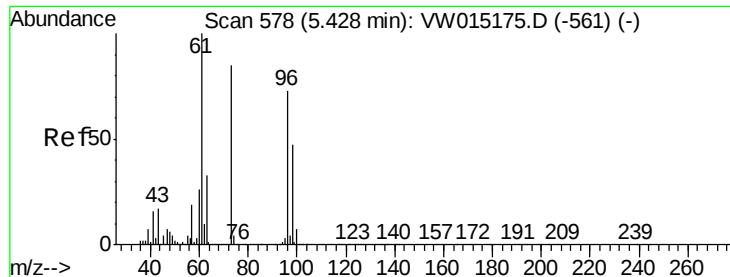
Tot Ion: 43 Resp: 177548
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2



#16
Methylene chloride
Concen: 20.021 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

Tgt Ion: 84 Resp: 433241
Ion Ratio Lower Upper
84 100
49 122.6 85.8 159.4
86 63.8 44.7 82.9

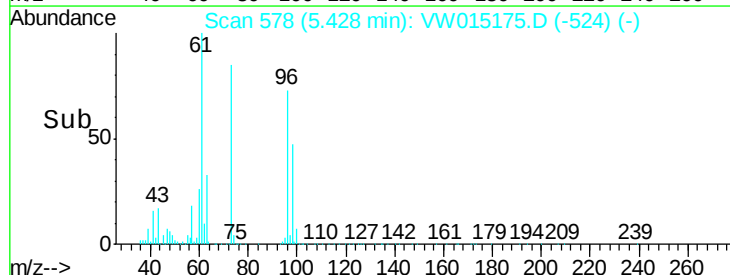
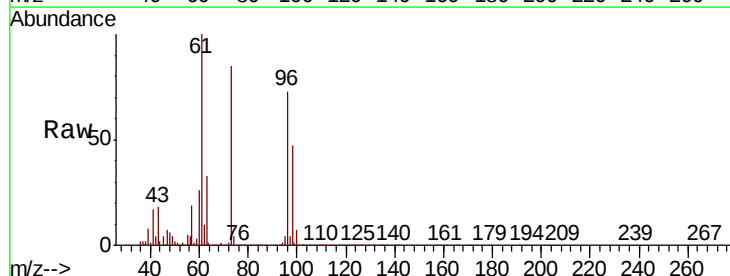
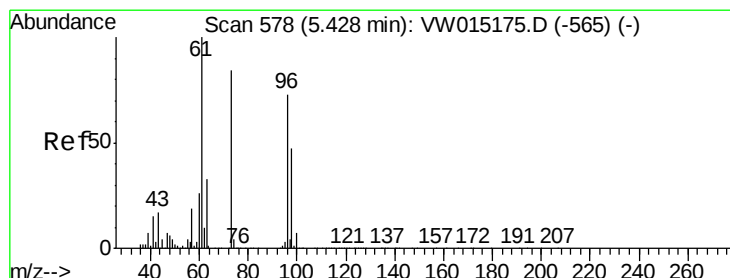
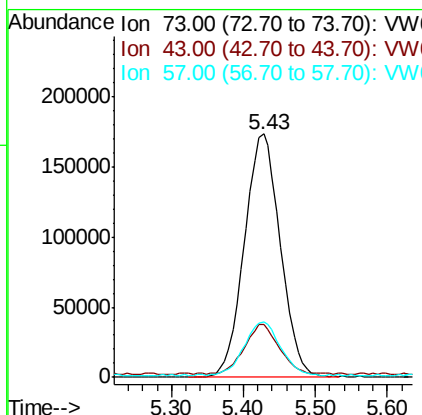




#17
Methvl tert-butvl Ether
Concen: 24.043 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

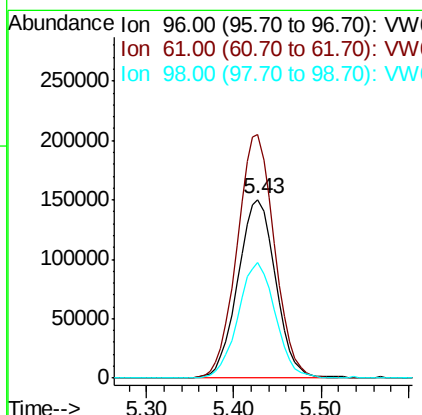
Instrument :
MSVOA_W
ClientSampleId :

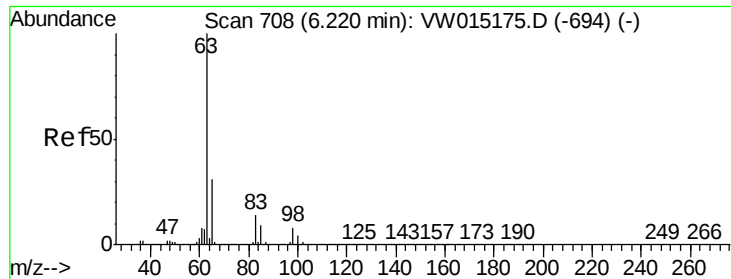
Tot Ion:	73	Resp:	598777
Ion	Ratio	Lower	Upper
73	100		
43	19.8	15.8	23.8
57	22.0	17.6	26.4



#18
trans-1,2-Dichloroethene
Concen: 22.659 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

Tgt Ion:	96	Resp:	448702
Ion	Ratio	Lower	Upper
96	100		
61	136.4	95.5	177.3
98	64.5	45.1	83.9





#19

1,1-Dichloroethane

Concen: 18.636 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

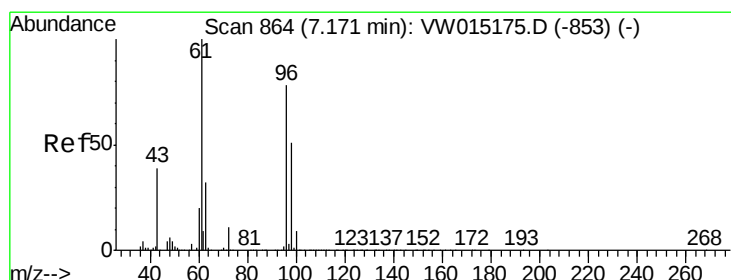
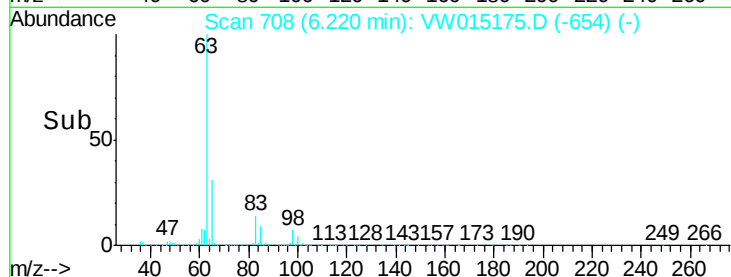
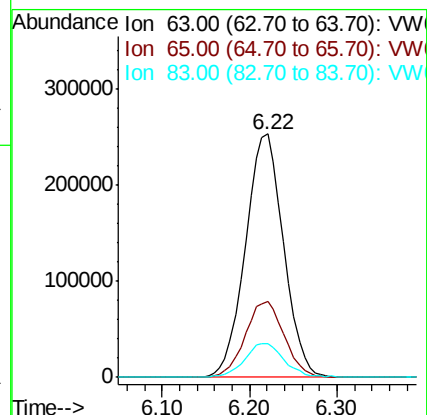
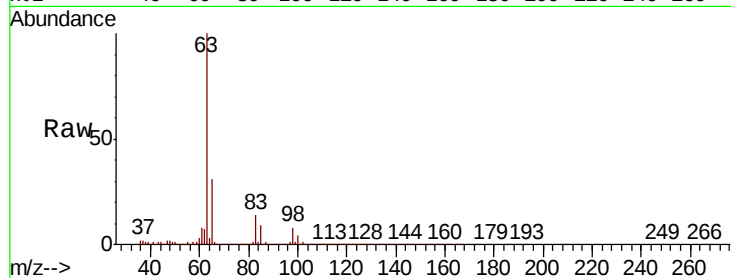
Tot Ion: 63 Resp: 760831

Ion Ratio Lower Upper

63 100

65 31.4 22.0 40.8

83 13.8 9.7 17.9



#21

2-Butanone

Concen: 38.405 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015175.D

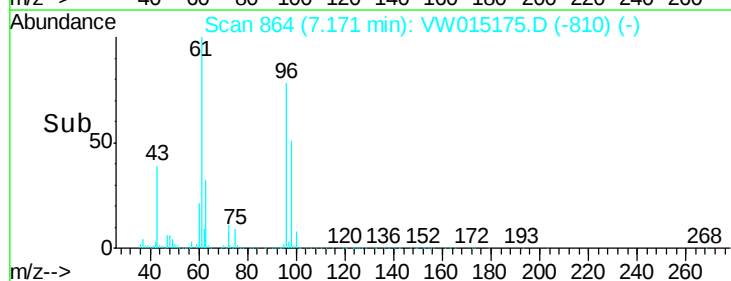
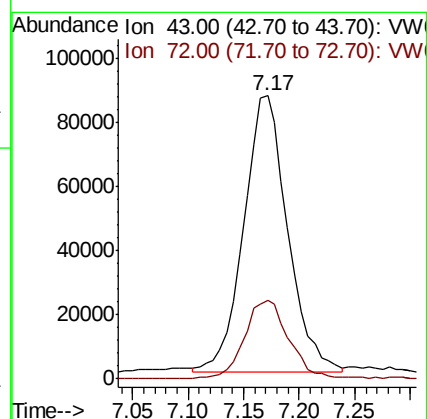
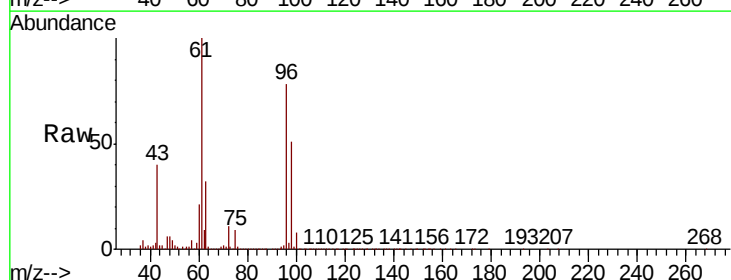
Acq: 10 Apr 2020 11:49

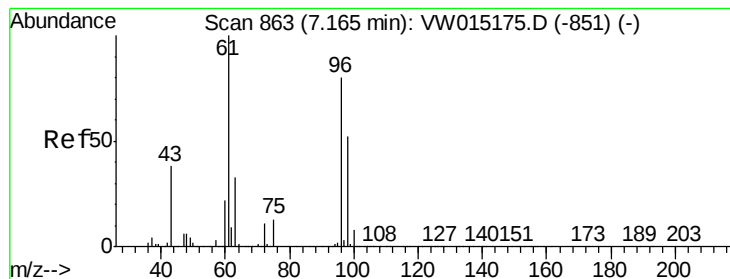
Tgt Ion: 43 Resp: 236581

Ion Ratio Lower Upper

43 100

72 28.7 14.4 43.0



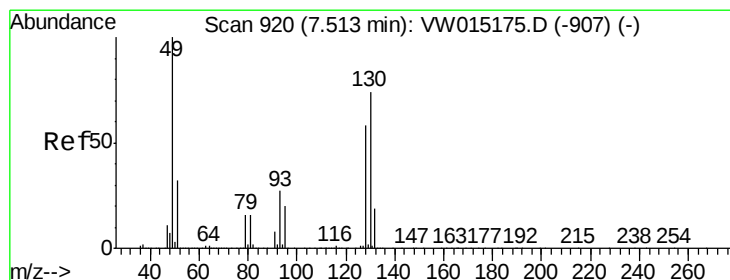
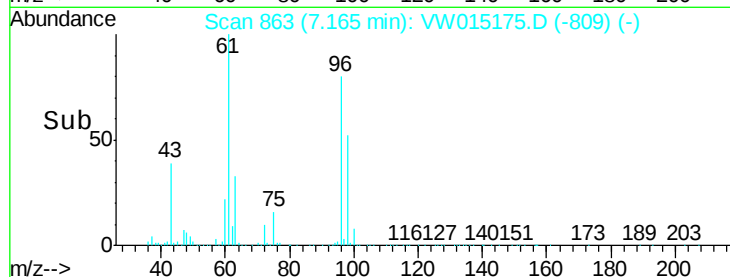
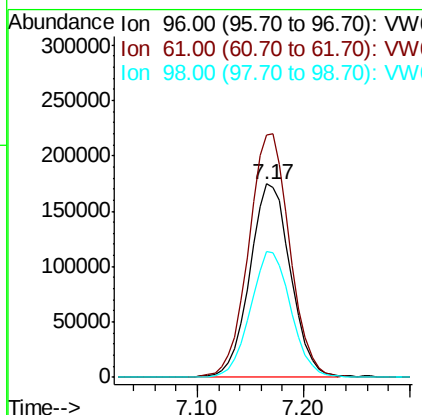
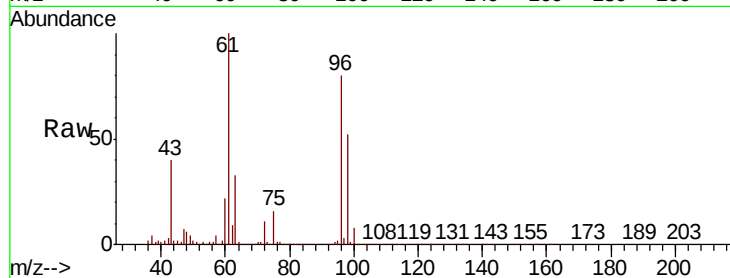


#22

cis-1,2-Dichloroethene
 Concen: 23.566 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Instrument :
 MSVOA_W
 ClientSampled :

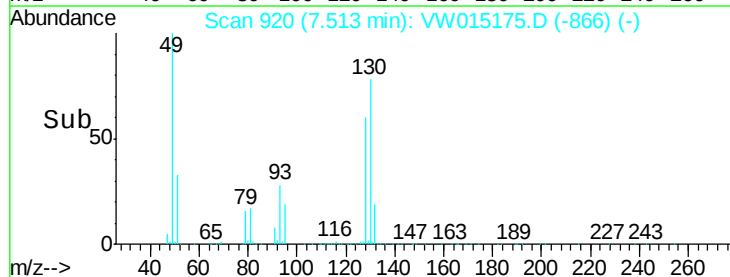
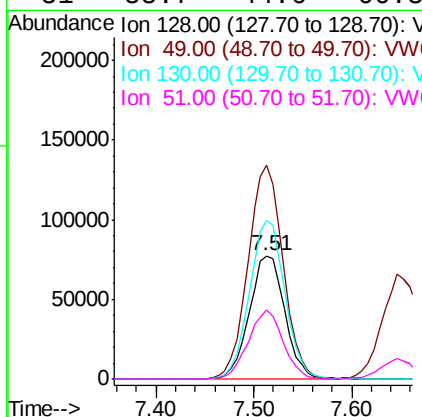
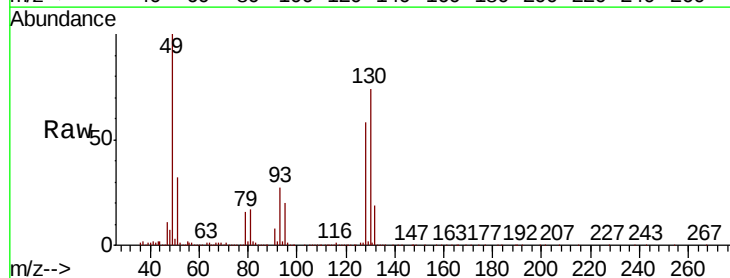
Tot Ion	96	Resp	466823
Ion Ratio	Lower	Upper	
96	100		
61	125.4	87.8	163.0
98	65.3	45.7	84.9

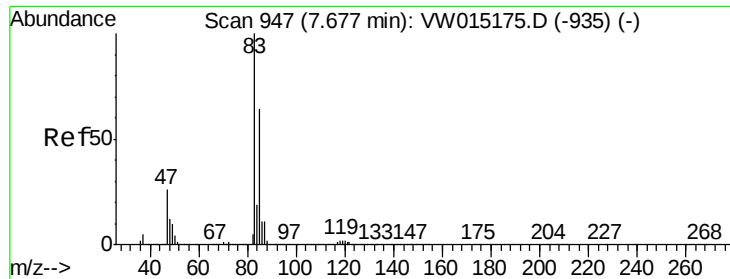


#23

Bromochloromethane
 Concen: 23.855 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Tgt Ion	128	Resp	194836
Ion Ratio	Lower	Upper	
128	100		
49	173.0	121.1	224.9
130	128.7	90.1	167.3
51	55.7	44.6	66.8

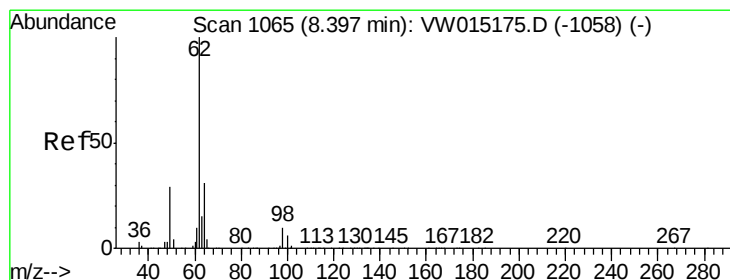
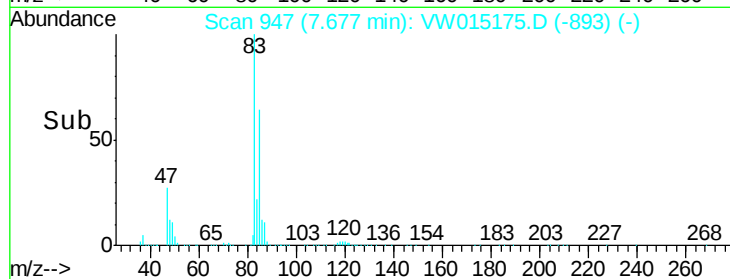
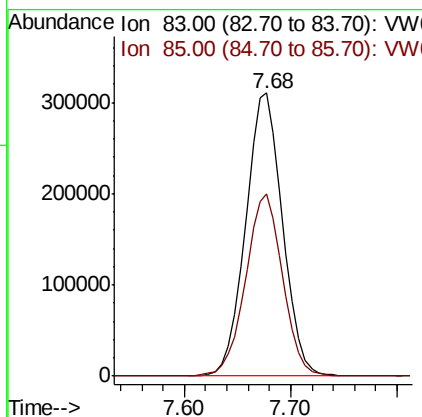
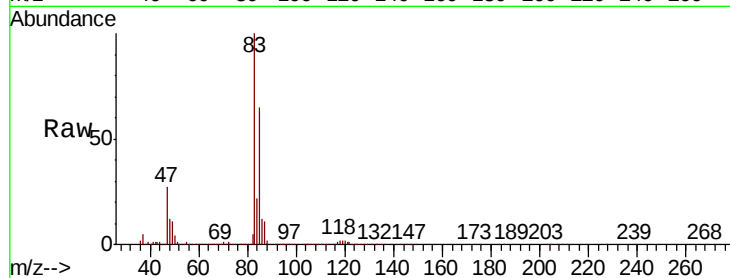




#25
Chloroform
Concen: 20.046 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

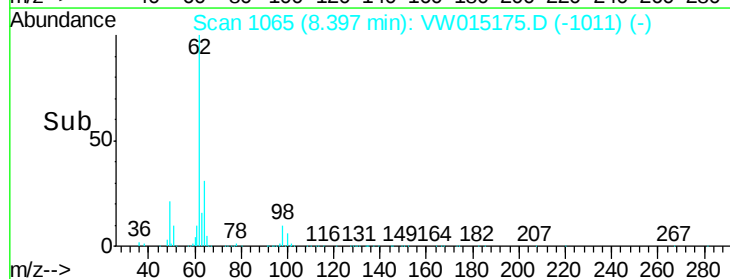
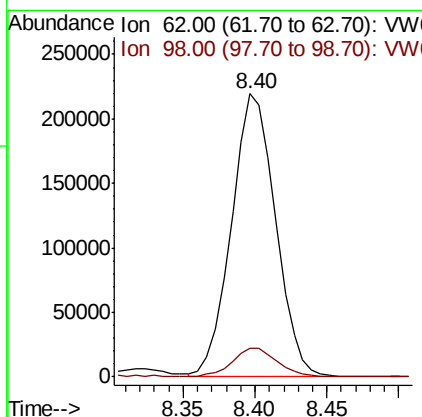
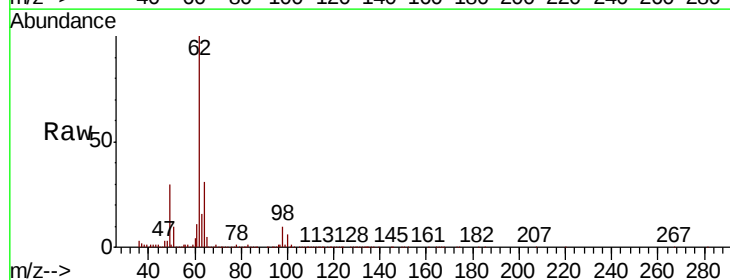
Instrument :
MSVOA_W
ClientSampleId :

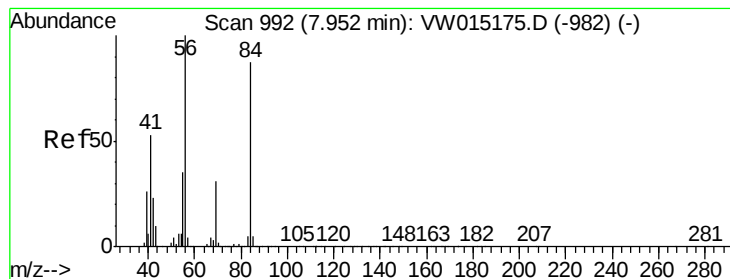
Tot Ion: 83 Resp: 749688
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 17.705 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

Tgt Ion: 62 Resp: 463385
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9





#30

Cyclohexane

Concen: 21.218 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

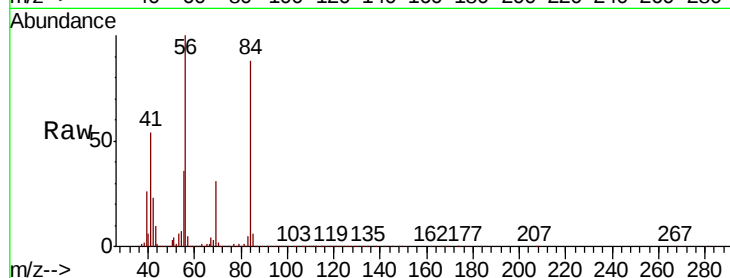
Tot Ion: 56 Resp: 768963

Ion Ratio Lower Upper

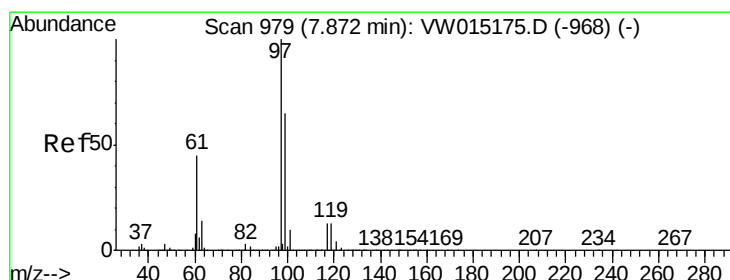
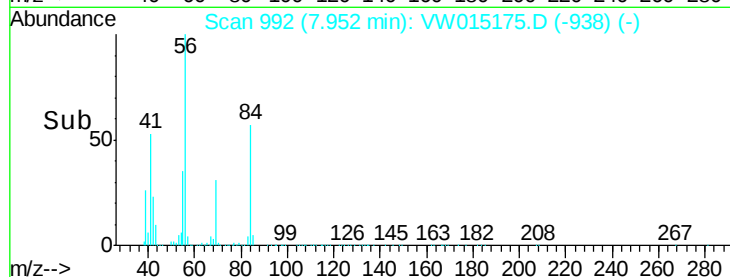
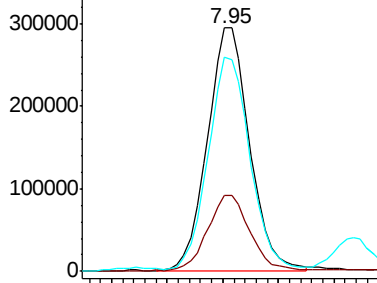
56 100

69 31.1 24.9 37.3

84 88.2 70.6 105.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 21.433 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

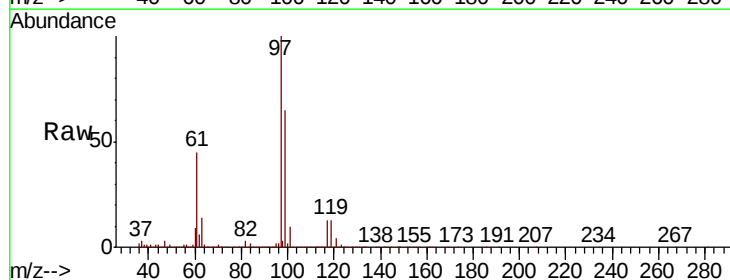
Tgt Ion: 97 Resp: 636188

Ion Ratio Lower Upper

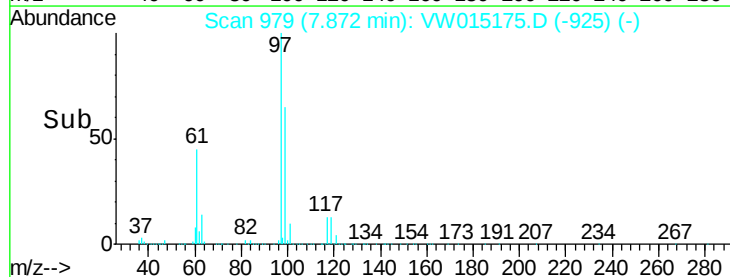
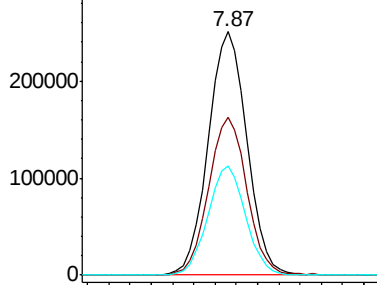
97 100

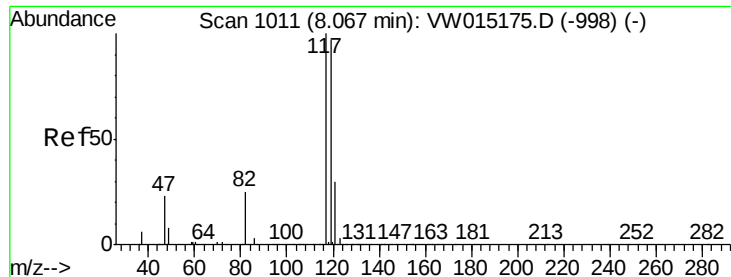
99 64.4 51.5 77.3

61 44.1 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 22.444 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

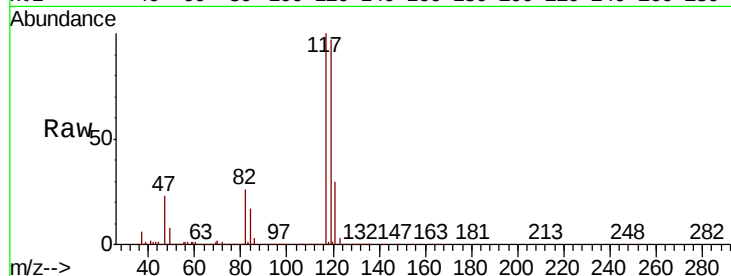
ClientSampleId :

Tot Ion:117 Resp: 582837

Ion Ratio Lower Upper

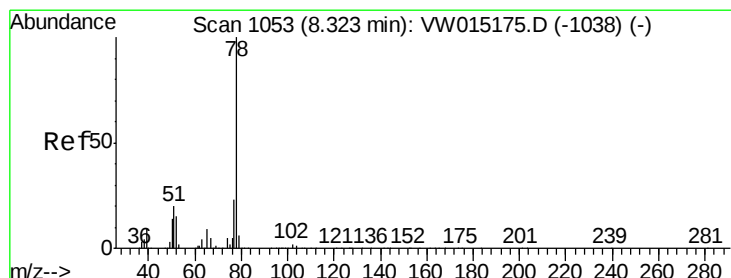
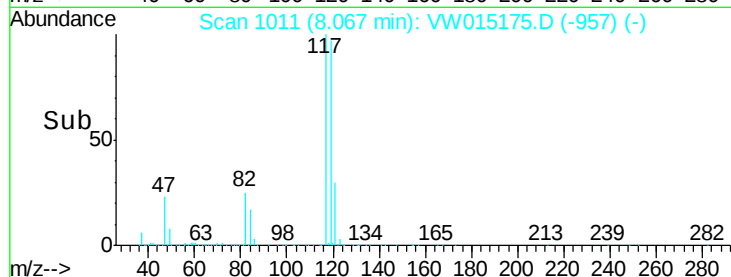
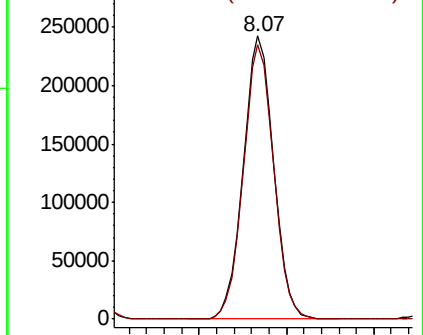
117 100

119 96.8 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 21.488 ug/L

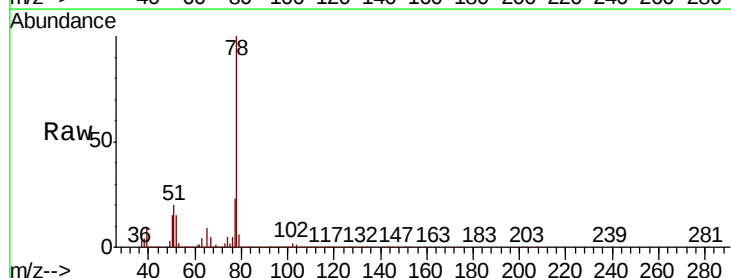
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

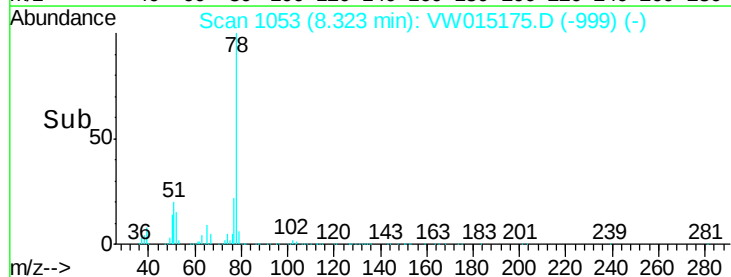
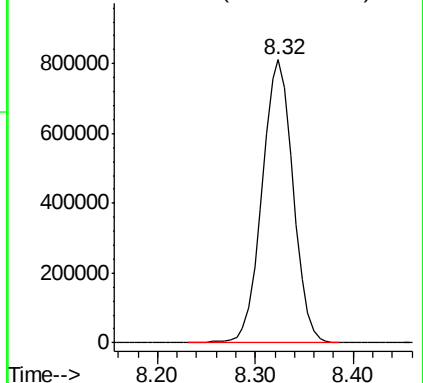
Lab File: VW015175.D

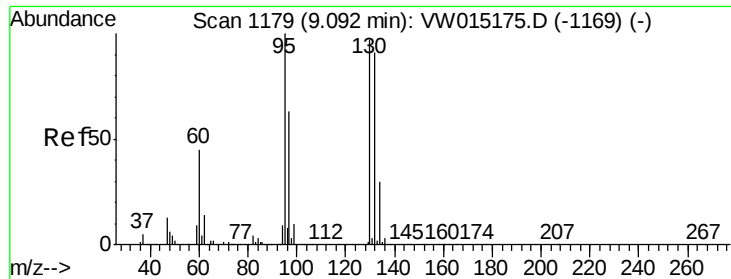
Acq: 10 Apr 2020 11:49

Tgt Ion: 78 Resp: 1784661



Abundance Ion 78.00 (77.70 to 78.70): VW

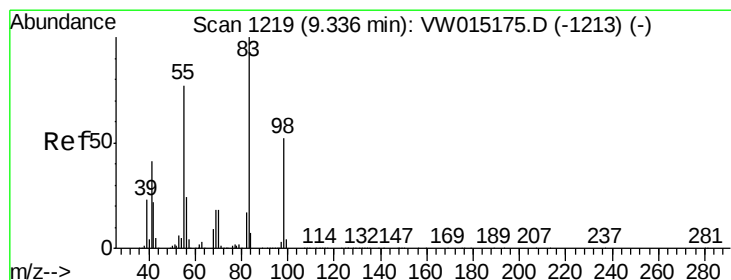
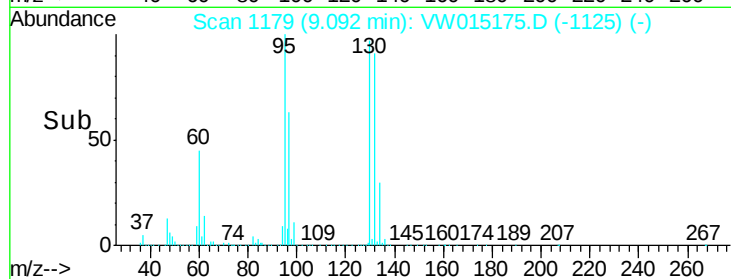
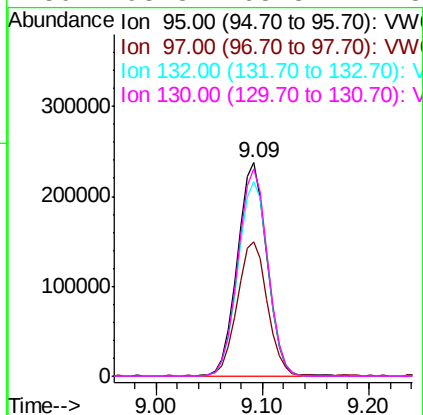
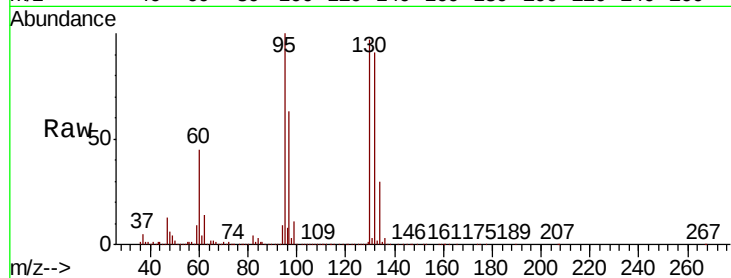




#35
 Trichloroethene
 Concen: 22.500 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

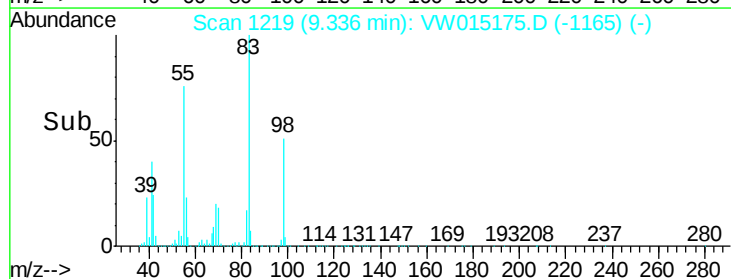
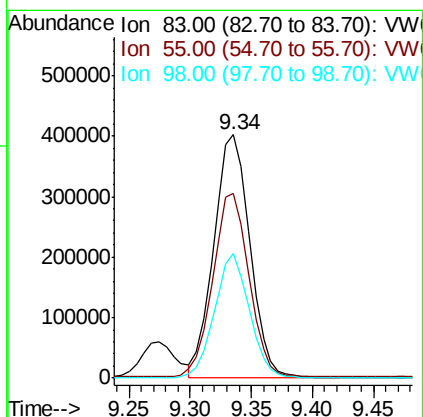
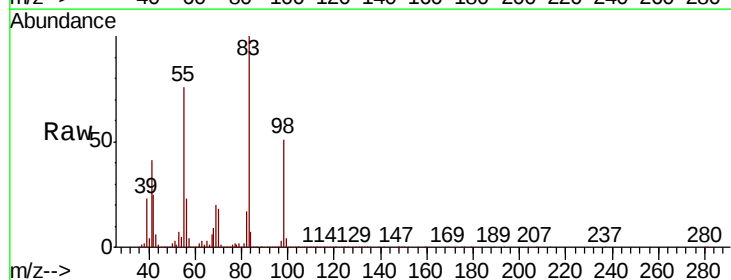
Instrument :
 MSVOA_W
 ClientSampleId :

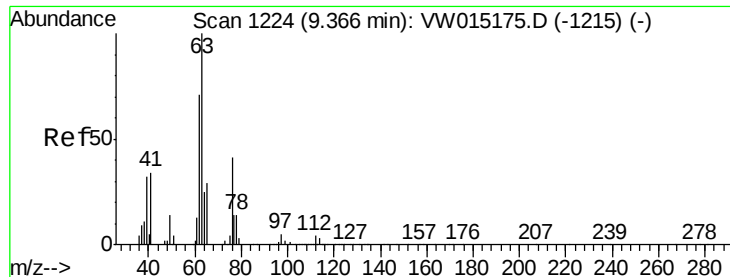
Tot Ion	95	Resp	461603
Ion Ratio	Lower	Upper	
95	100		
97	63.9	44.7	83.1
132	93.9	65.7	122.1
130	98.3	68.8	127.8



#36
 Methylcyclohexane
 Concen: 23.339 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Tgt Ion	83	Resp	825934
Ion Ratio	Lower	Upper	
83	100		
55	75.8	60.6	91.0
98	49.2	39.4	59.0

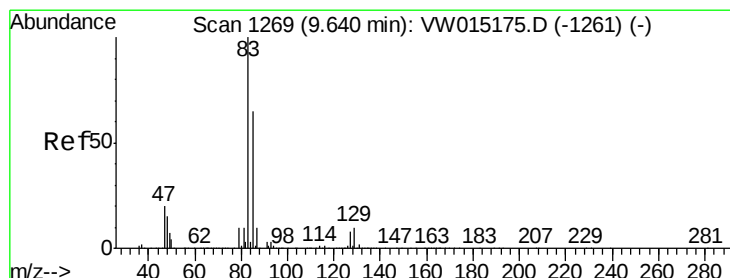
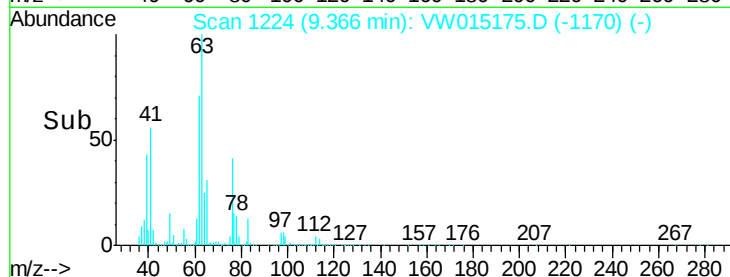
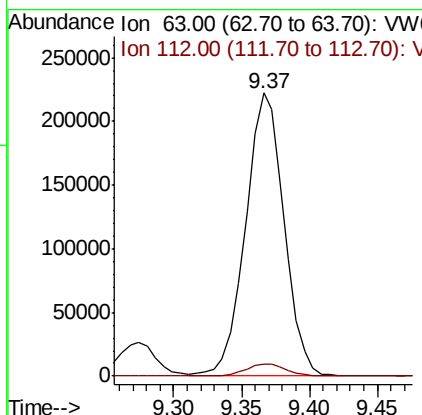
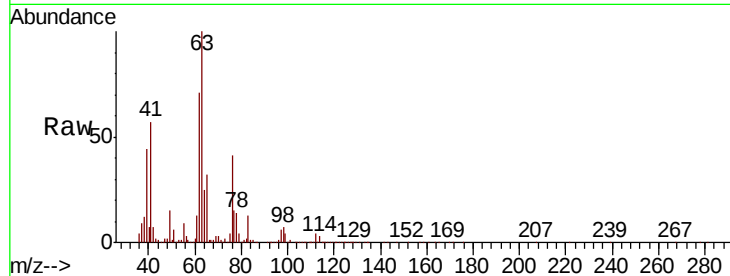




#40
 1,2-Dichloropropane
 Concen: 19.464 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

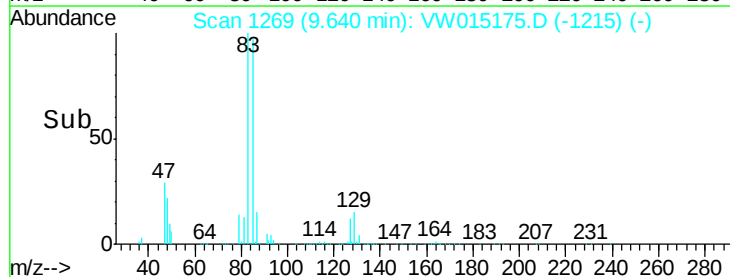
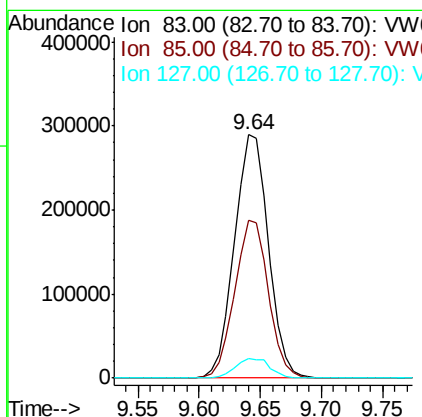
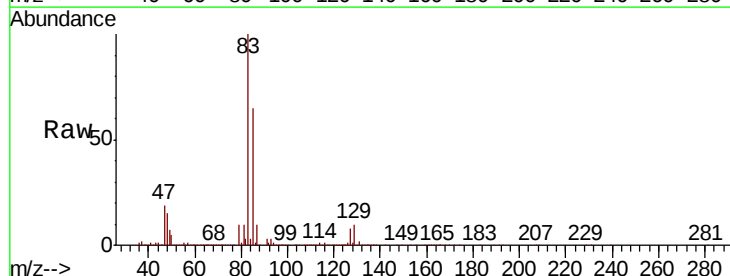
Instrument :
 MSVOA_W
 ClientSampleId :

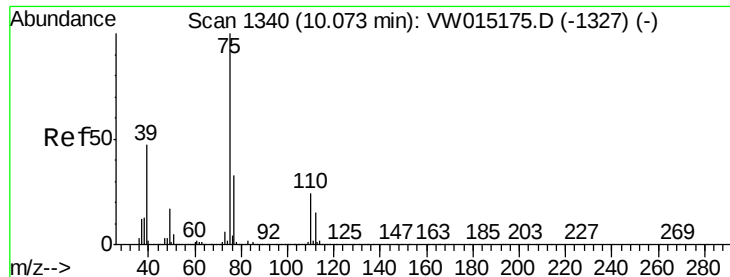
Tot Ion: 63 Resp: 439164
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 21.187 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Tgt Ion: 83 Resp: 553898
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 22.937 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

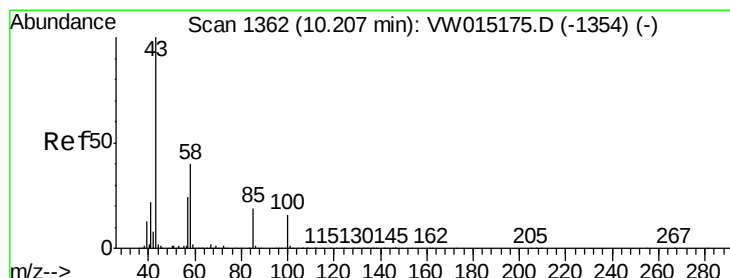
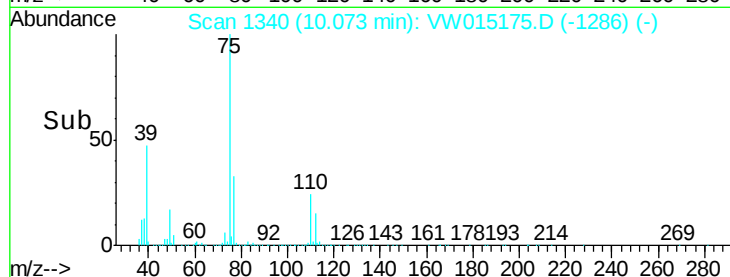
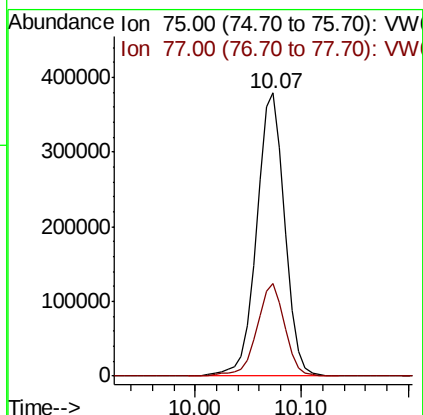
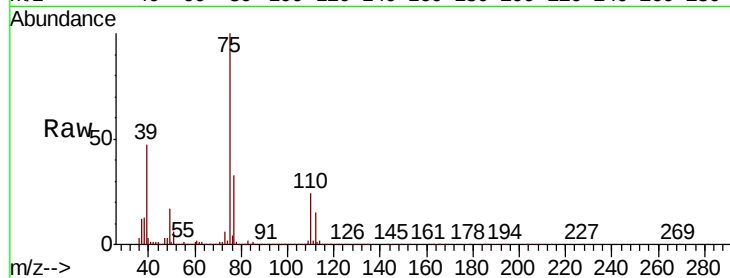
ClientSampleId :

Tot Ion: 75 Resp: 700601

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 41.891 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

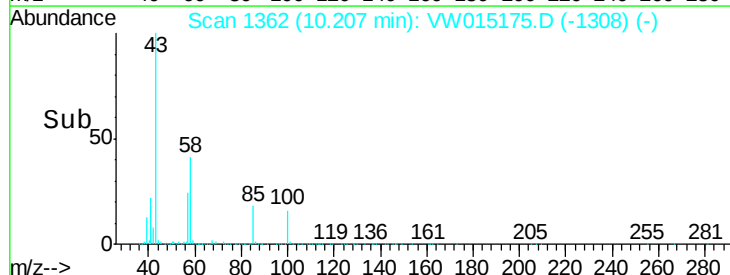
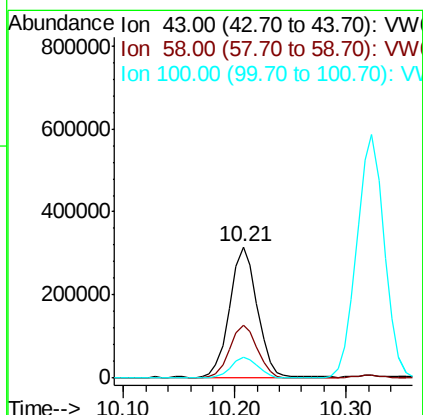
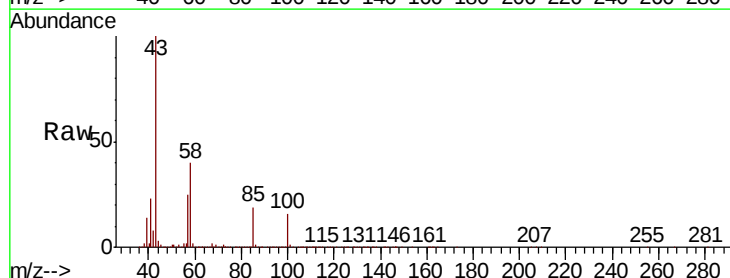
Tgt Ion: 43 Resp: 535394

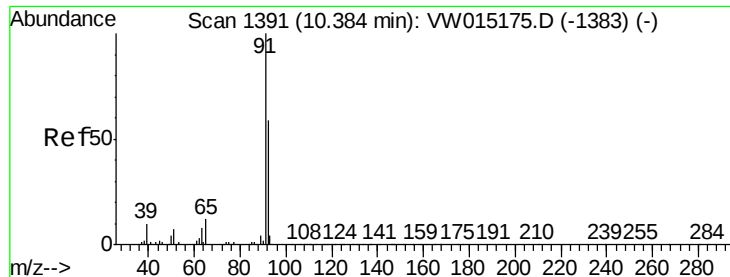
Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

100 16.1 12.9 19.3





#44

Toluene

Concen: 22.808 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

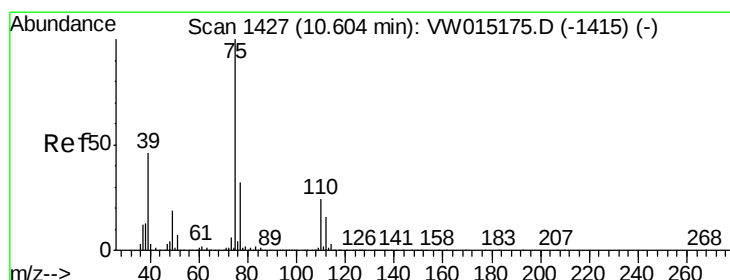
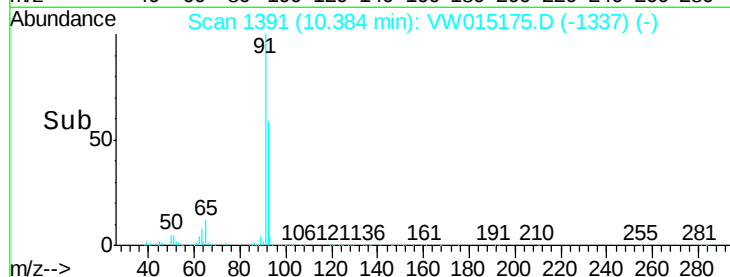
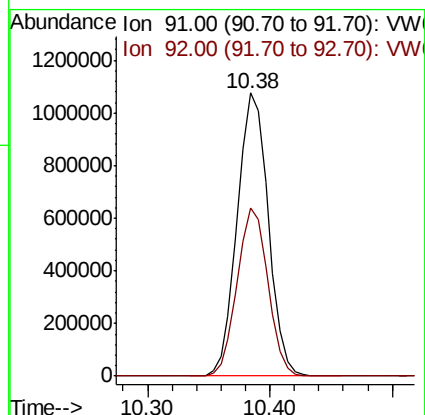
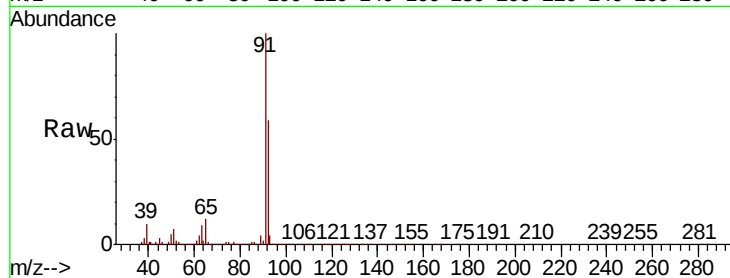
ClientSampleId :

Tot Ion: 91 Resp: 1887075

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 22.921 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015175.D

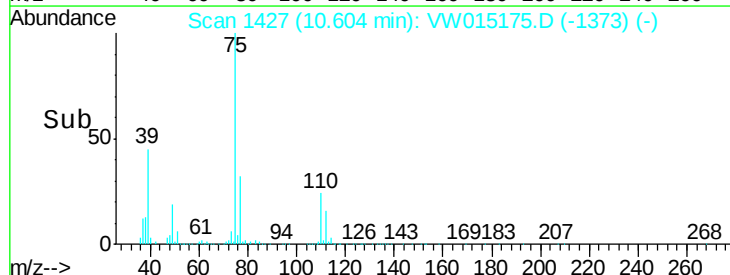
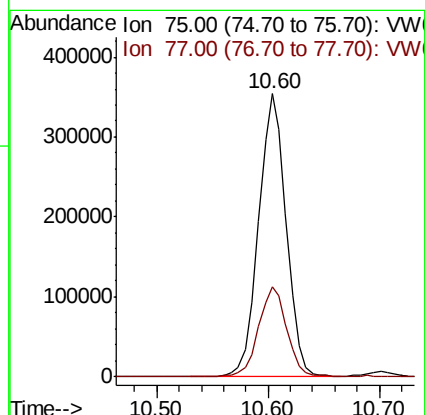
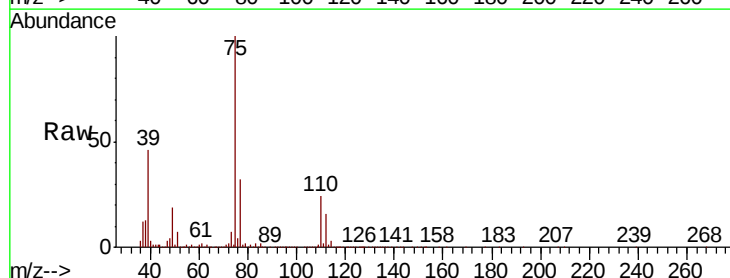
Acq: 10 Apr 2020 11:49

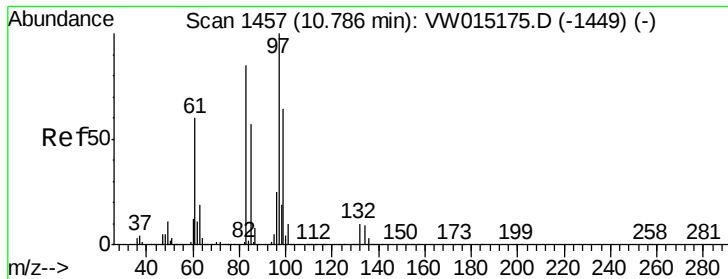
Tgt Ion: 75 Resp: 610152

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

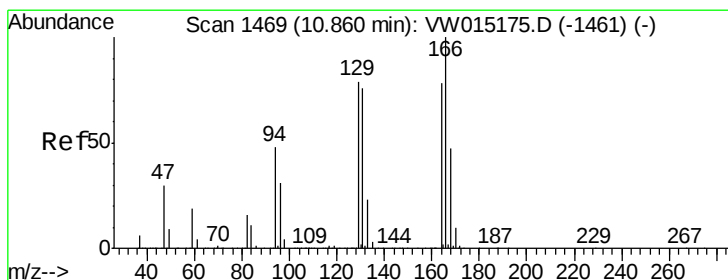
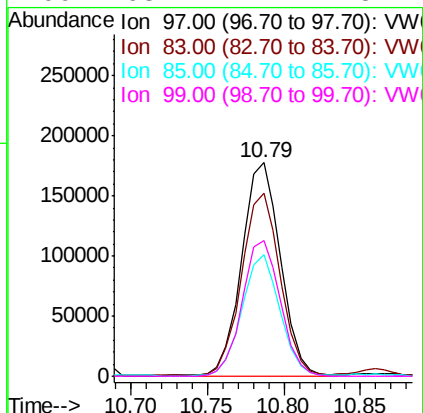
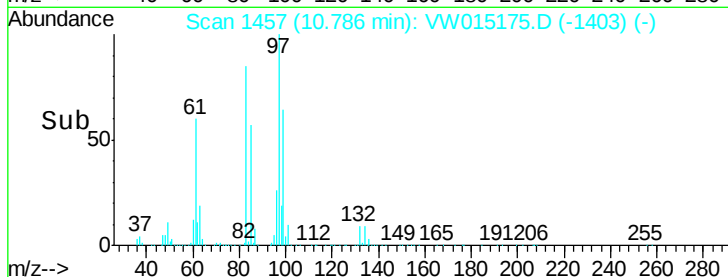
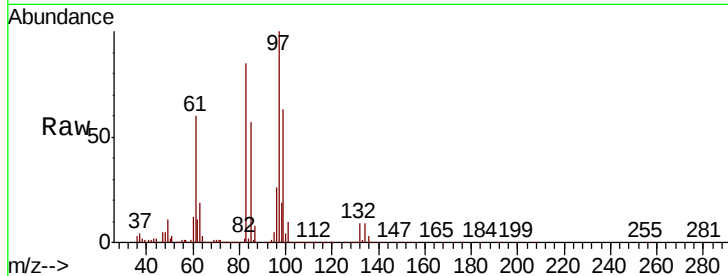




#46
 1,1,2-Trichloroethane
 Concen: 22.804 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

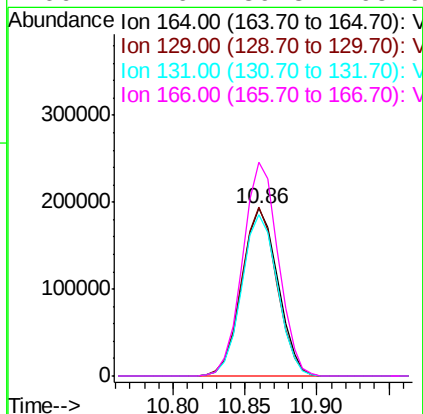
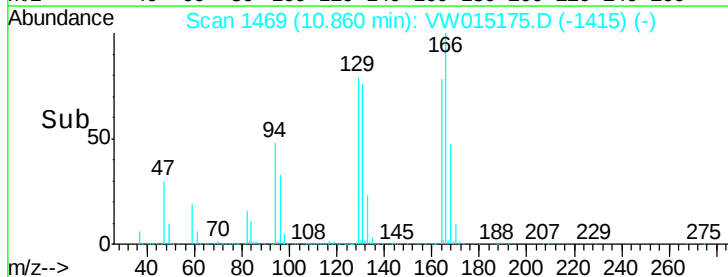
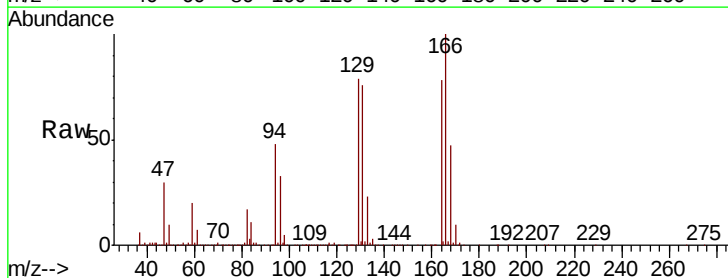
Instrument :
 MSVOA_W
 ClientSampled :

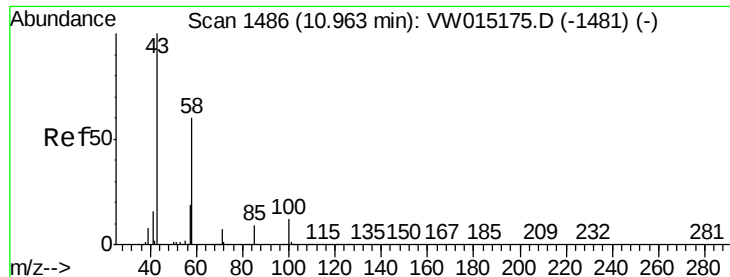
Tot Ion:	97	Resp:	311781
Ion	Ratio	Lower	Upper
97	100		
83	85.4	59.8	111.0
85	56.8	39.8	73.8
99	63.4	44.4	82.4



#47
 Tetrachloroethene
 Concen: 24.589 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Tgt Ion:	164	Resp:	333366
Ion	Ratio	Lower	Upper
164	100		
129	101.0	70.7	131.3
131	96.6	67.6	125.6
166	127.6	89.3	165.9

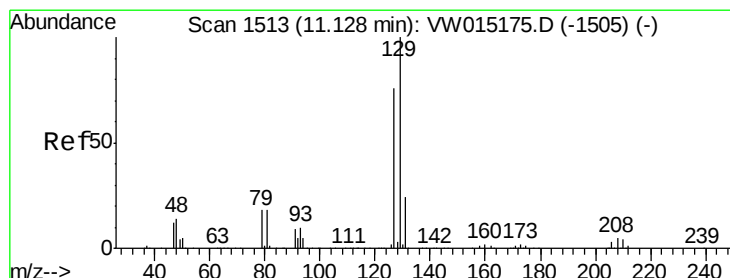
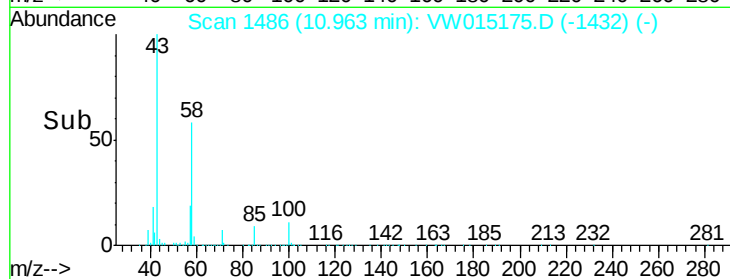
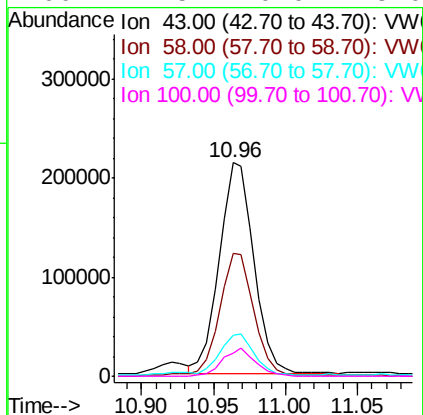
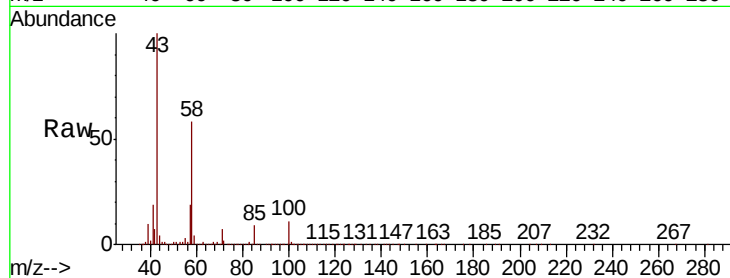




#49
2-Hexanone
Concen: 42.819 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

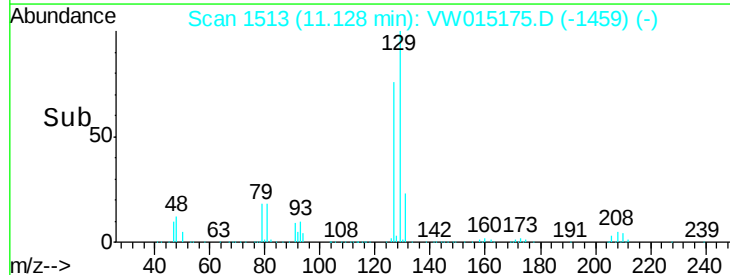
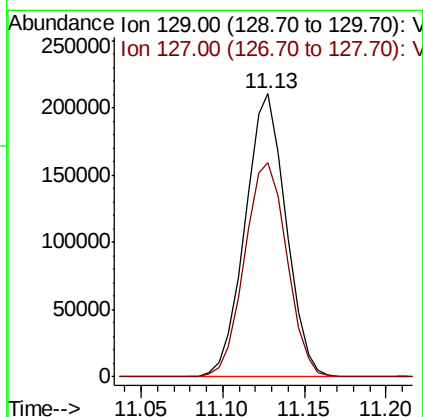
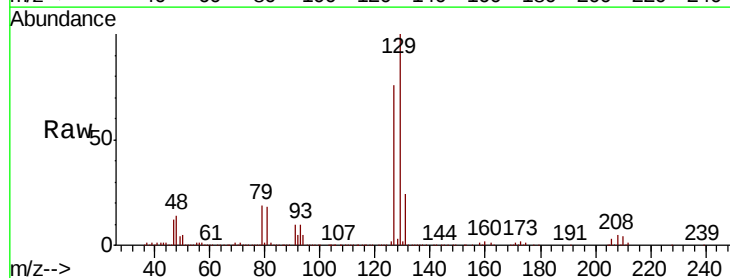
Instrument :
MSVOA_W
ClientSampleId :

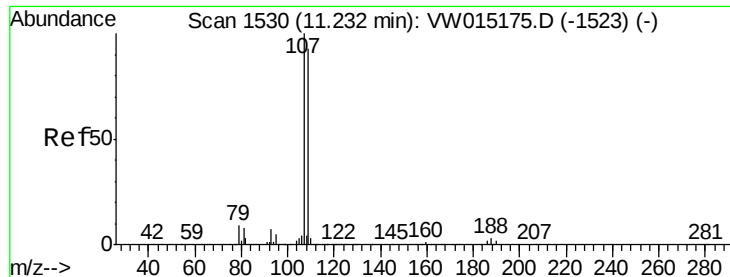
Tot Ion: 43 Resp: 362164
Ion Ratio Lower Upper
43 100
58 56.8 45.4 68.2
57 19.0 15.2 22.8
100 12.5 10.0 15.0



#50
Dibromochloromethane
Concen: 25.426 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015175.D
Acq: 10 Apr 2020 11:49

Tgt Ion: 129 Resp: 366450
Ion Ratio Lower Upper
129 100
127 75.9 53.1 98.7





#51

1,2-Dibromoethane

Concen: 24.250 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

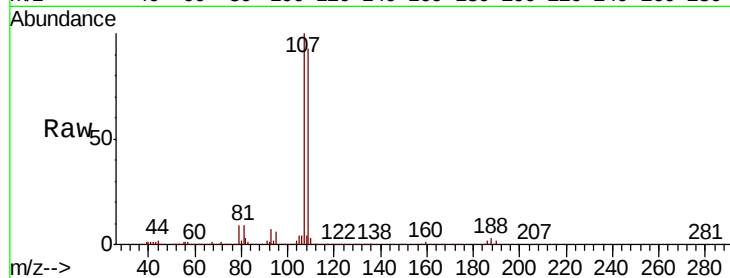
Tot Ion:107 Resp: 297615

Ion Ratio Lower Upper

107 100

109 92.9 65.0 120.8

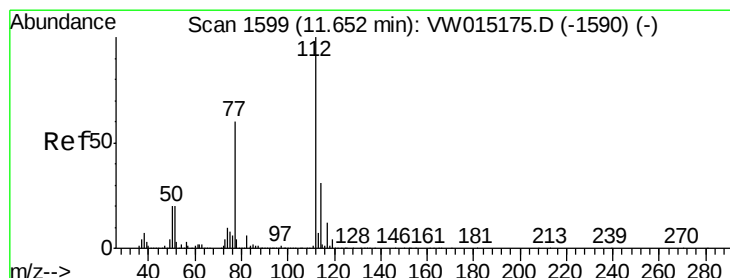
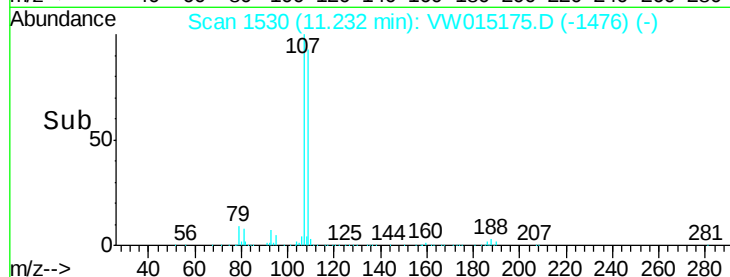
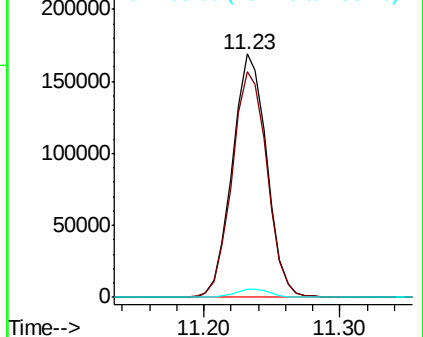
188 3.3 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.599 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

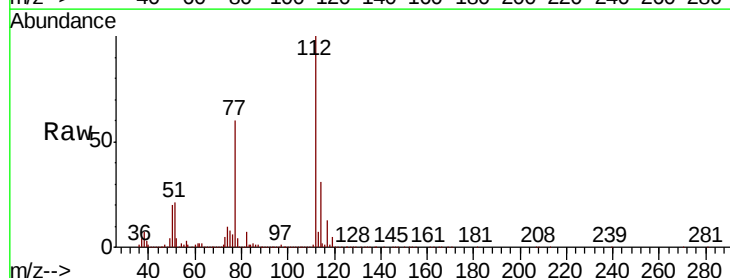
Tgt Ion:112 Resp: 1165114

Ion Ratio Lower Upper

112 100

77 59.8 47.8 71.8

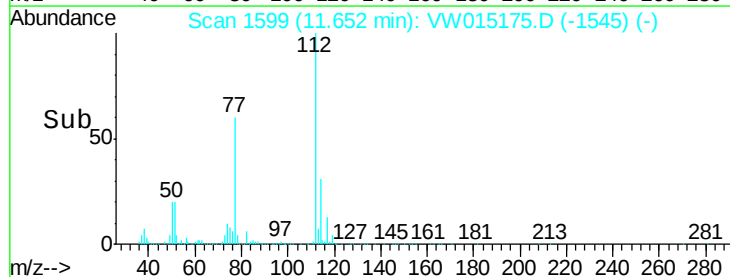
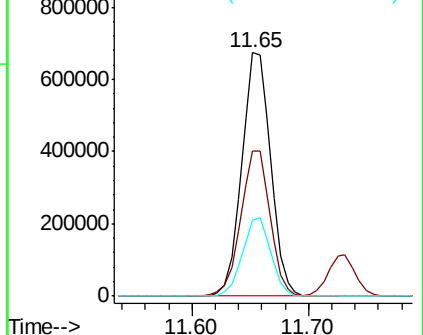
114 31.2 21.8 40.6

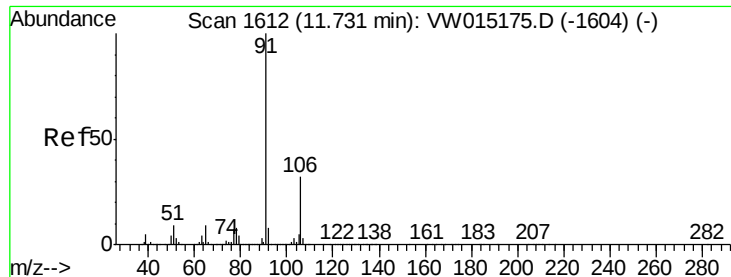


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 23.506 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

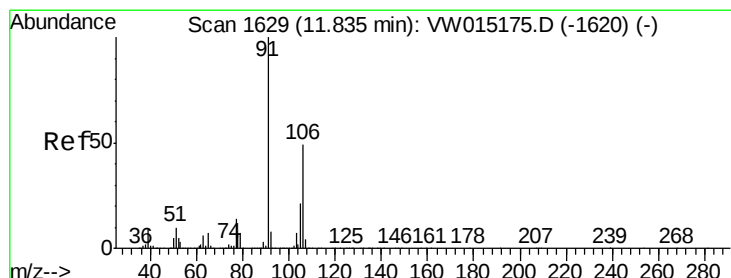
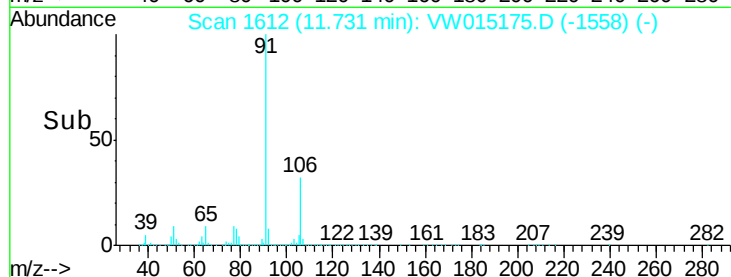
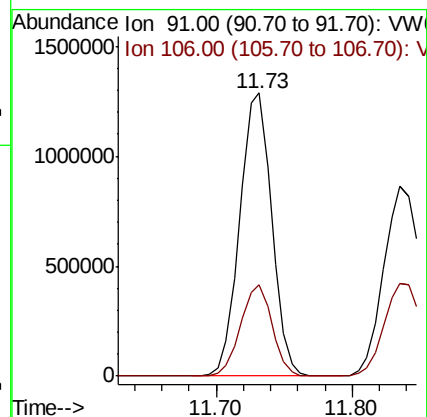
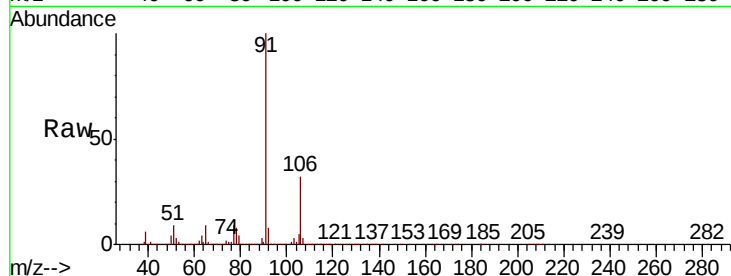
ClientSampleId :

Tot Ion: 91 Resp: 2113233

Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.7



#54

m,p-Xylene

Concen: 25.388 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015175.D

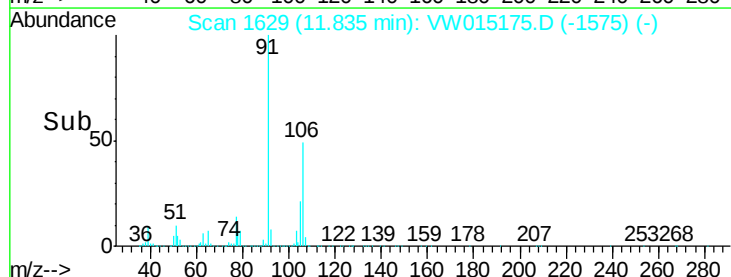
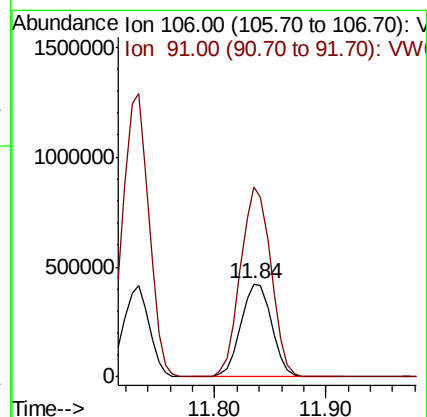
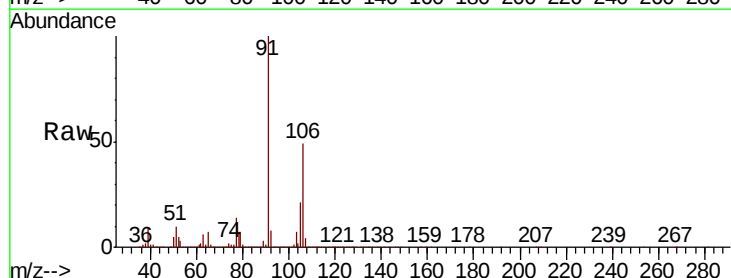
Acq: 10 Apr 2020 11:49

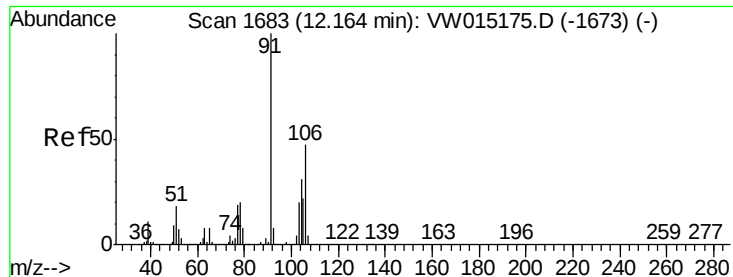
Tgt Ion: 106 Resp: 812454

Ion Ratio Lower Upper

106 100

91 203.8 142.7 264.9





#55

o-xylene

Concen: 25.931 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

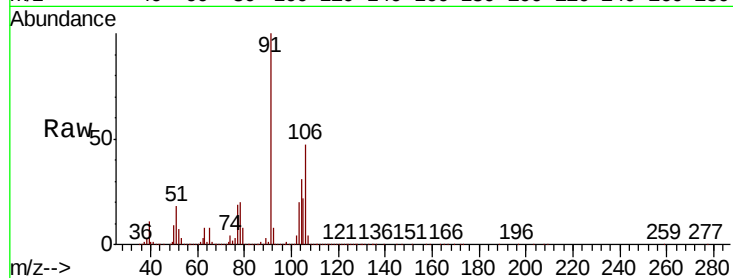
ClientSampled :

Tot Ion:106 Resp: 781606

Ion Ratio Lower Upper

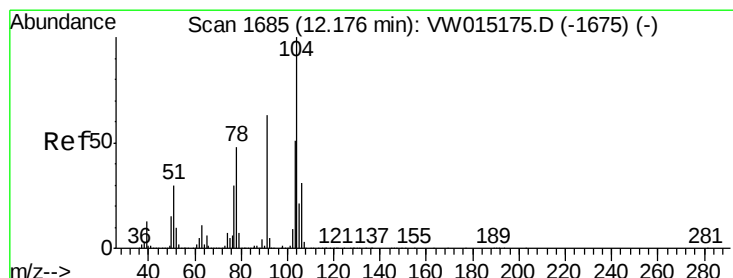
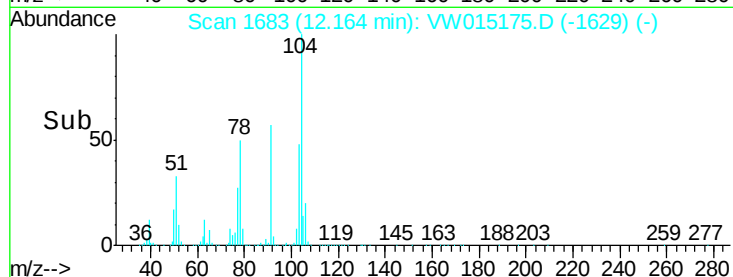
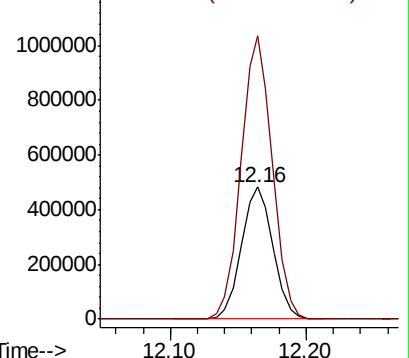
106 100

91 214.4 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.886 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015175.D

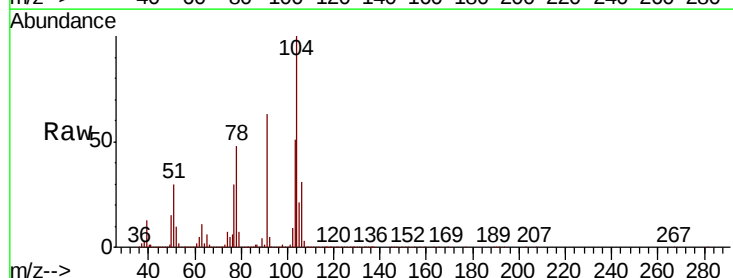
Acq: 10 Apr 2020 11:49

Tgt Ion:104 Resp: 1320307

Ion Ratio Lower Upper

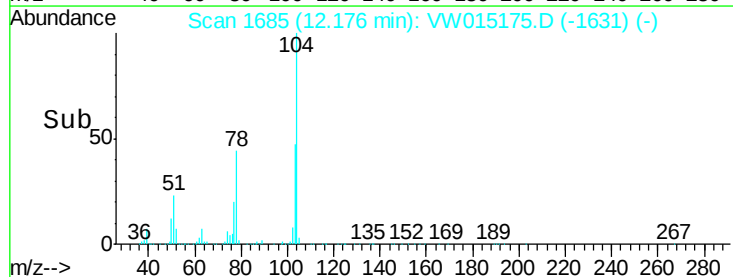
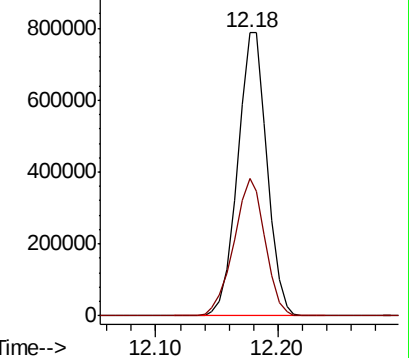
104 100

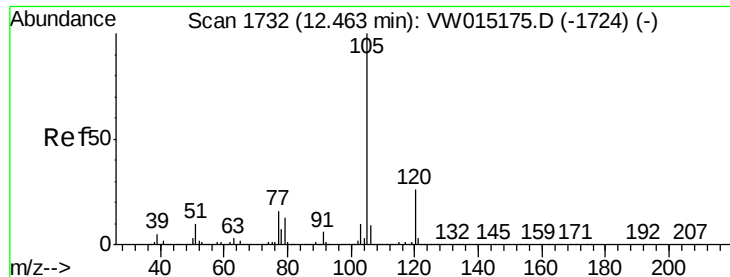
78 48.5 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.316 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

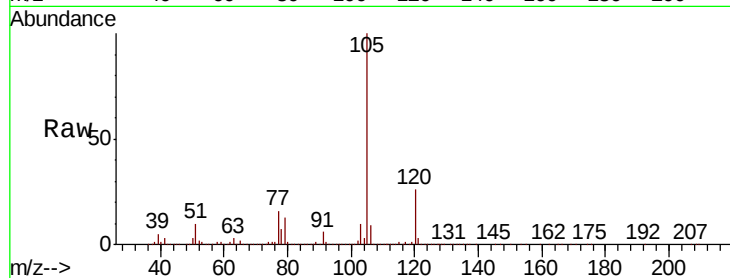
Tot Ion:105 Resp: 2092368

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

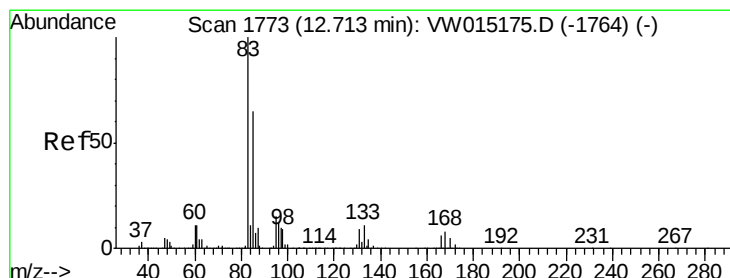
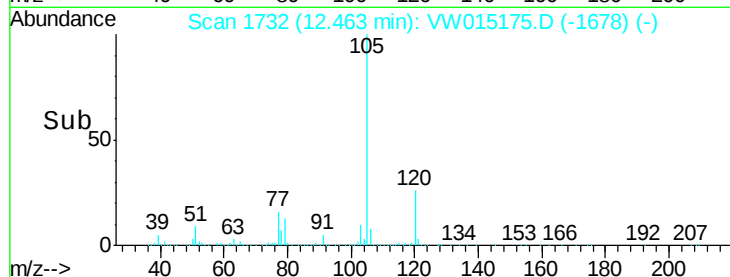
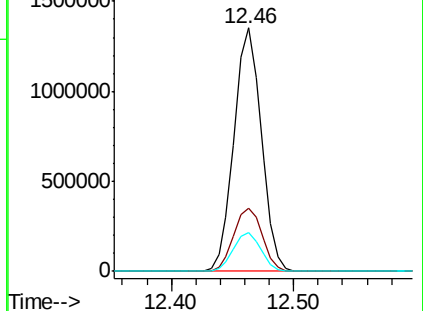
77 16.0 12.8 19.2



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: 21.894 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

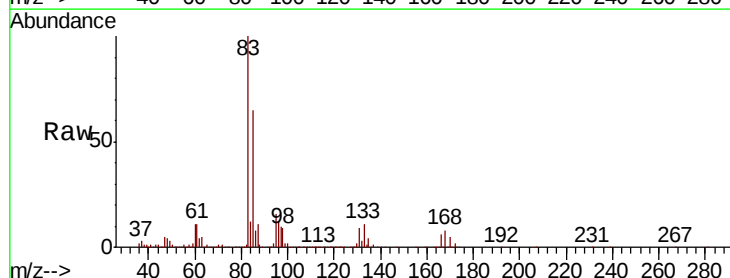
Tgt Ion: 83 Resp: 369895

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

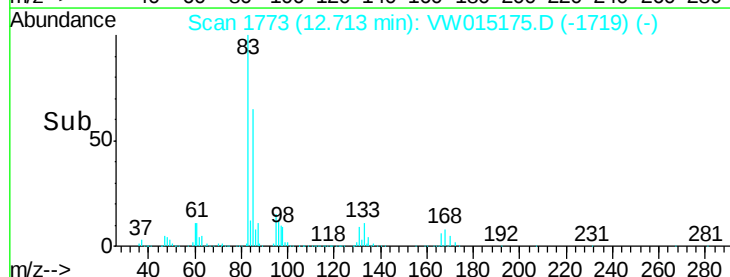
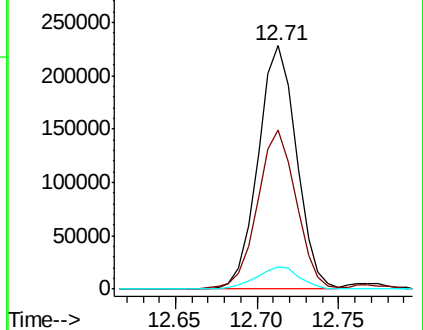
131 9.0 7.2 10.8

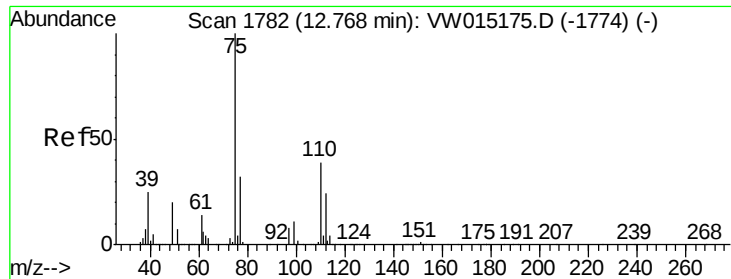


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.822 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

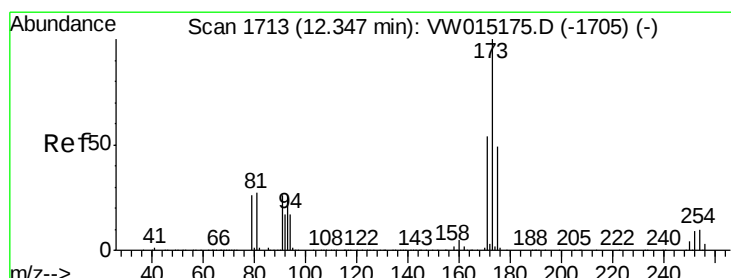
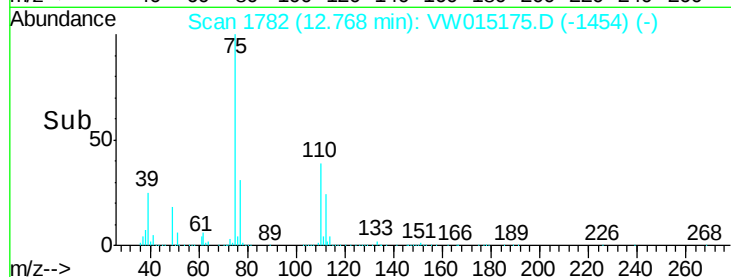
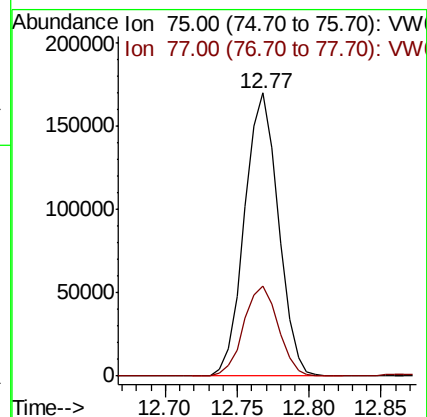
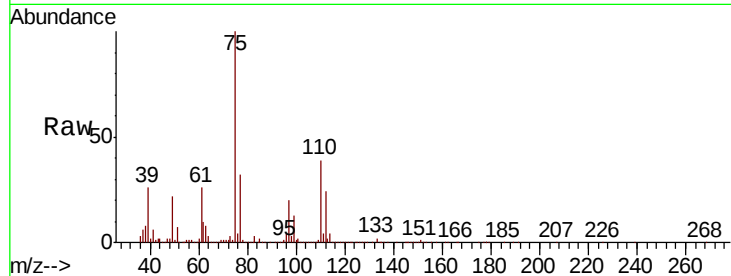
ClientSampleId :

Tot Ion: 75 Resp: 275809

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#62

Bromoform

Concen: 26.687 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

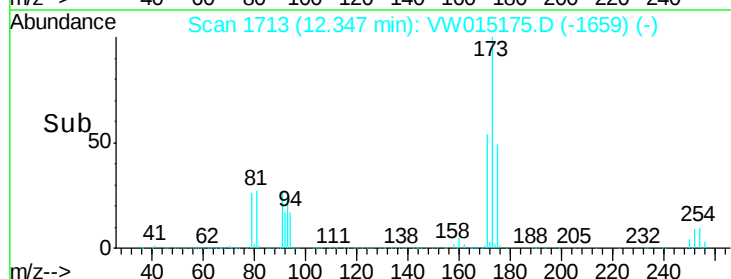
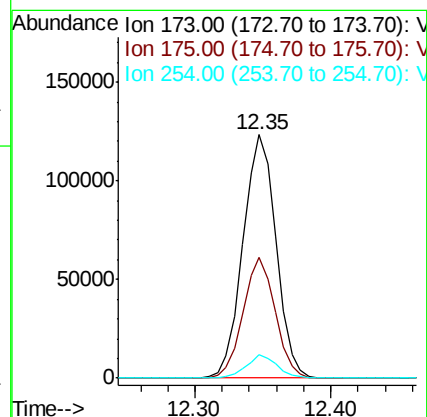
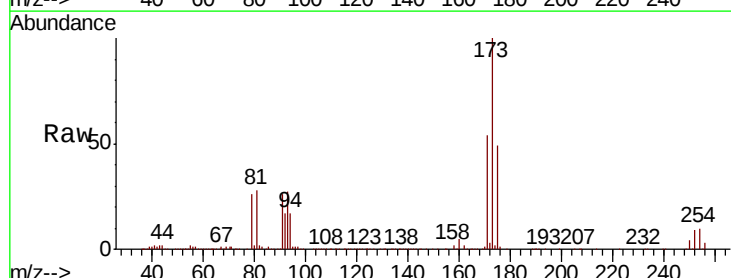
Tgt Ion: 173 Resp: 209655

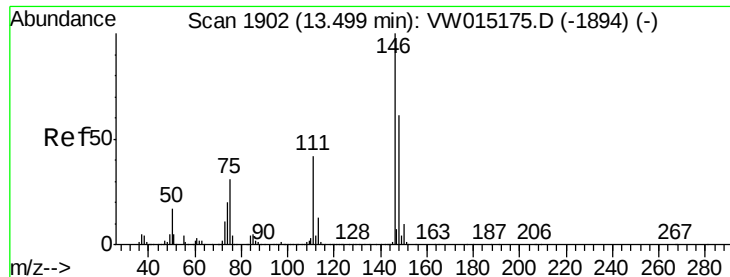
Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

254 9.0 7.2 10.8





#63

1,3-Dichlorobenzene

Concen: 24.570 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

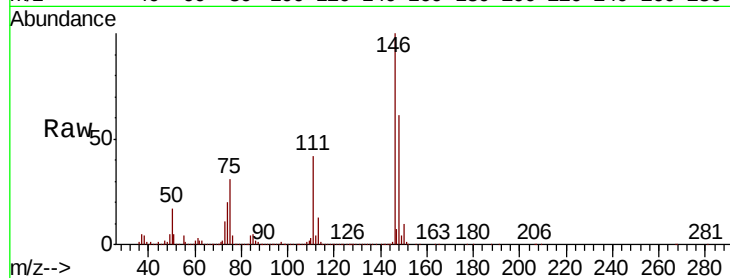
Tot Ion:146 Resp: 854380

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

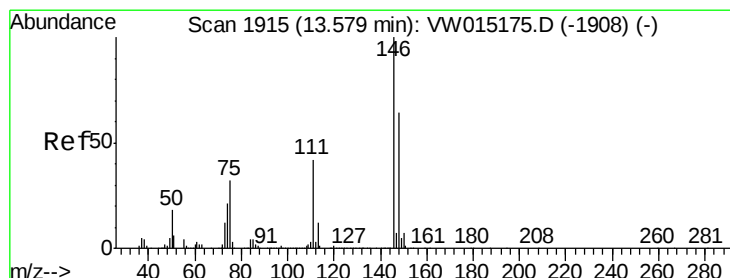
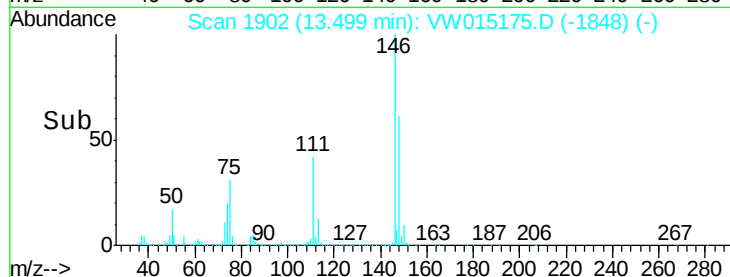
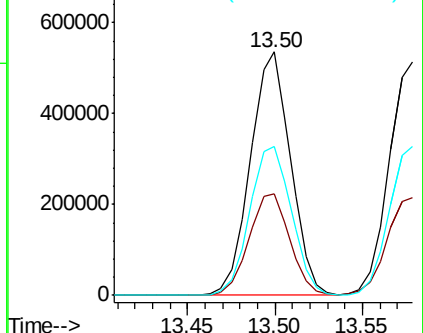
148 61.3 42.9 79.7



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: 23.533 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

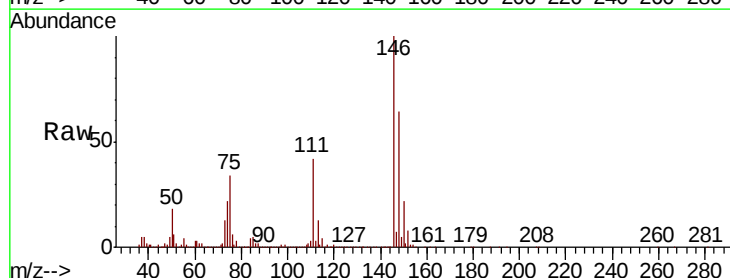
Tgt Ion:146 Resp: 828647

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

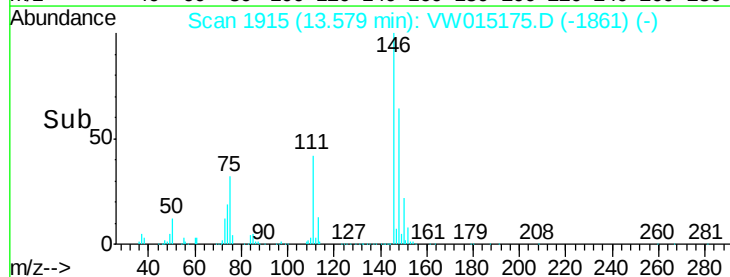
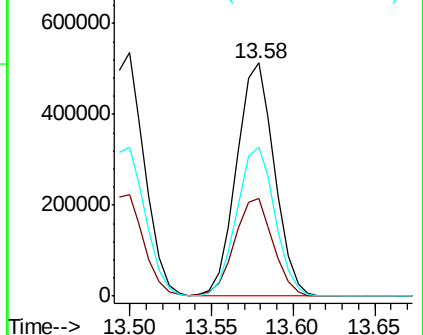
148 64.0 44.8 83.2

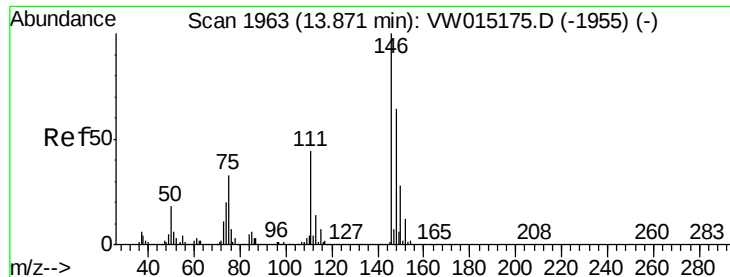


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

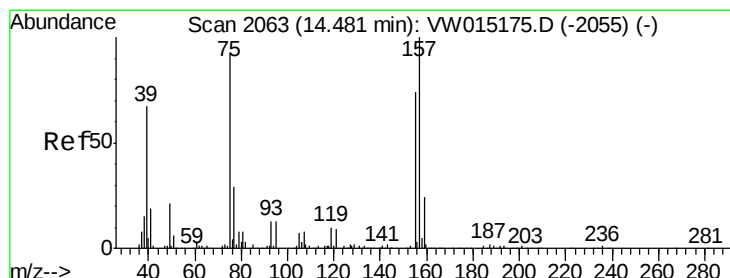
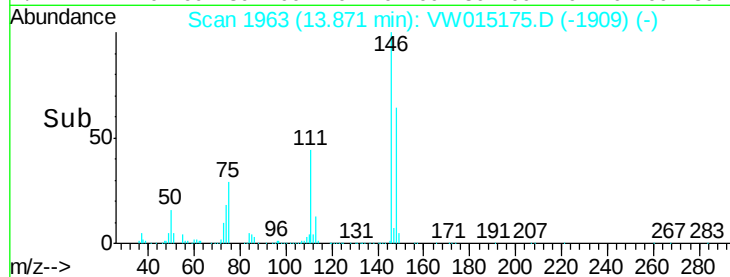
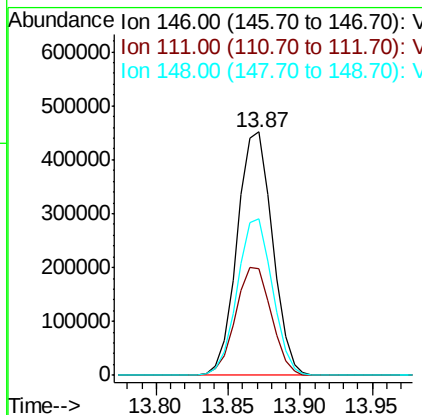
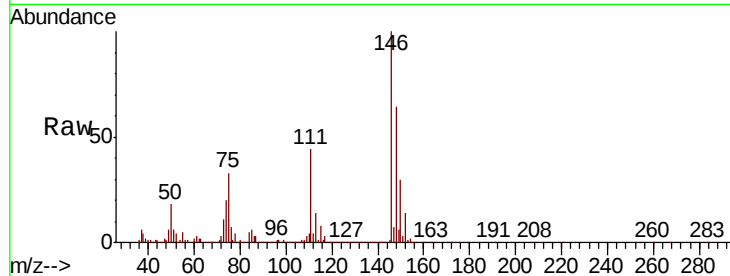




#65
 1,2-Dichlorobenzene
 Concen: 24.409 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

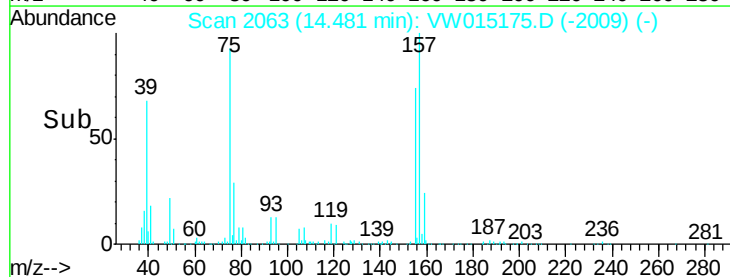
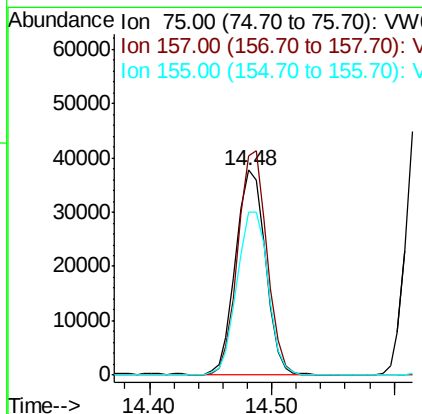
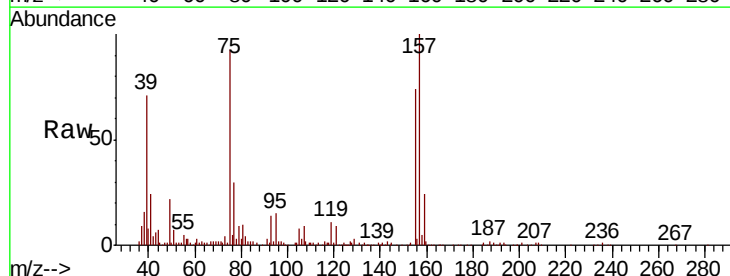
Instrument :
 MSVOA_W
 ClientSampleId :

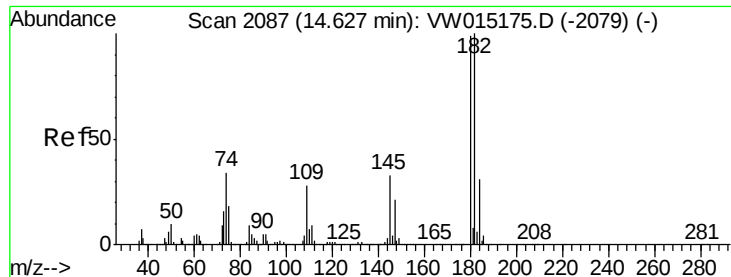
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.2	52.8
148	64.5	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.782 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
157	107.1	85.7	128.5
155	79.7	63.8	95.6

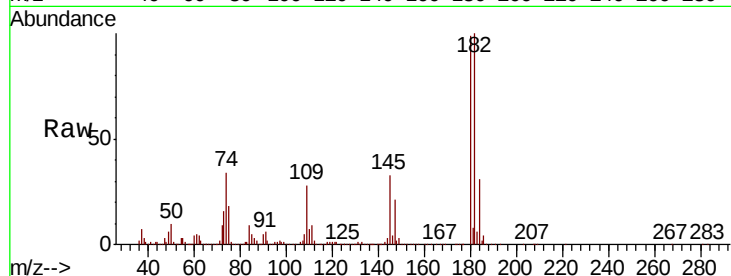




#67
 1,3,5-Trichlorobenzene
 Concen: 26.564 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	608558		
182	96.4		77.1	115.7
184	30.6		24.5	36.7
145	31.8		25.4	38.2



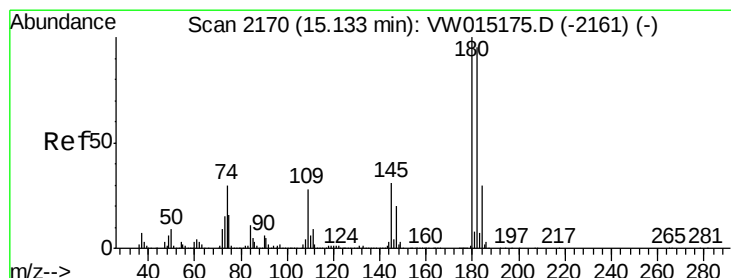
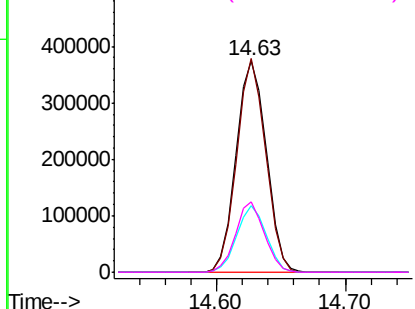
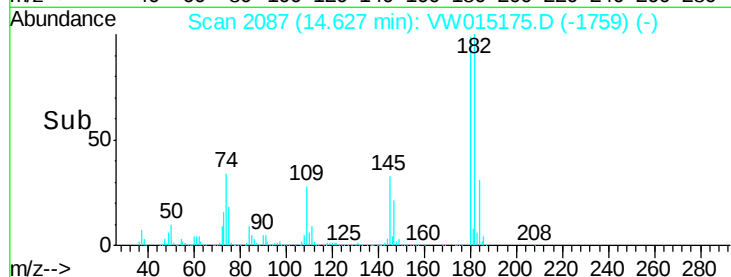
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

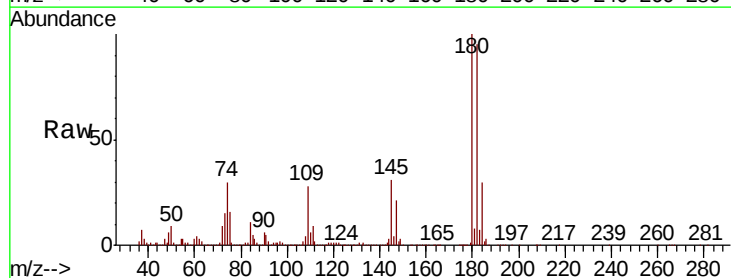
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.061 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015175.D
 Acq: 10 Apr 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	509392		
182	97.1		77.7	116.5
145	32.4		25.9	38.9

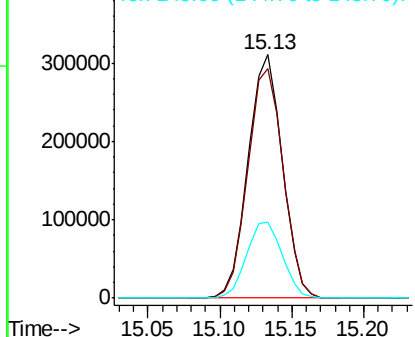
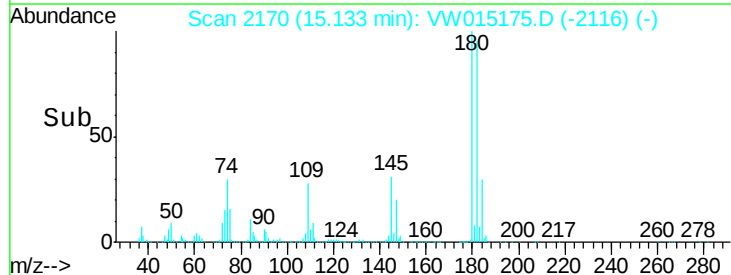


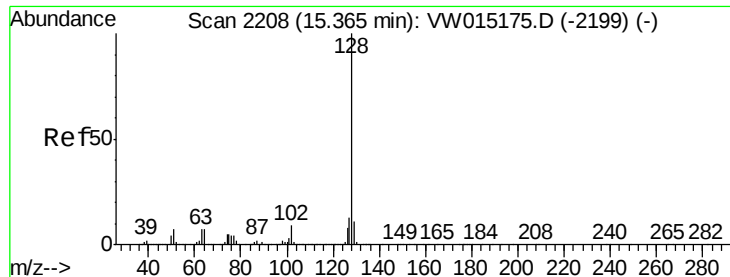
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.978 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

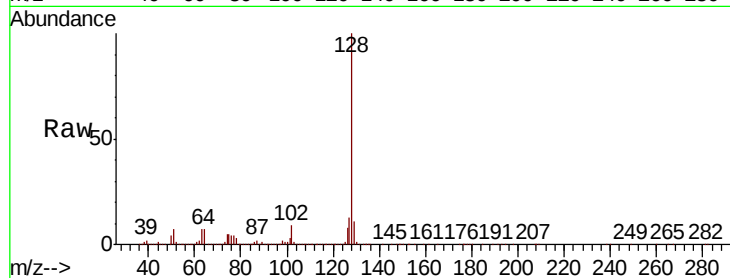
Tot Ion:128 Resp: 1059408

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

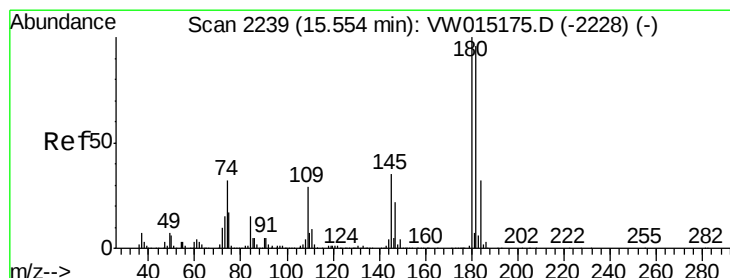
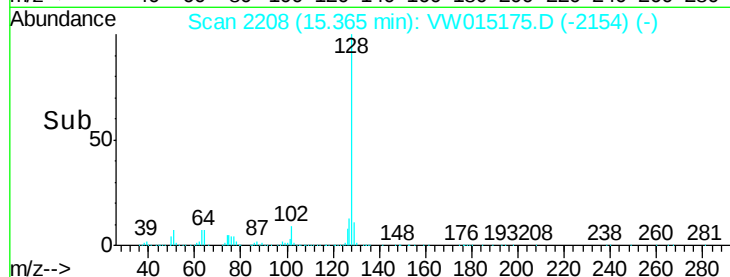
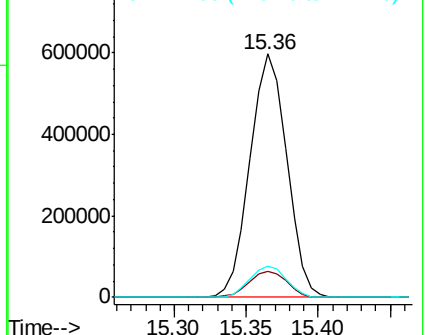
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.838 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015175.D

Acq: 10 Apr 2020 11:49

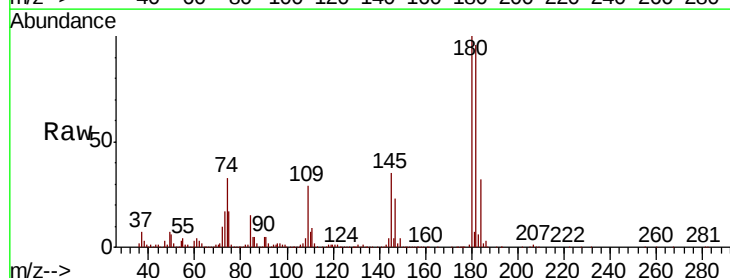
Tgt Ion:180 Resp: 446643

Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.6

145 34.3 27.4 41.2



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

