

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032620\
 Data File : VW015143.D
 Acq On : 26 Mar 2020 08:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 01:00:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 14:13:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	651730	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	589616	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	259046	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	291982	25.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.76%
7) Chloroethane-d5	2.89	69	249954	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.72%
10) 1,1-Dichloroethene-d2	4.03	63	579413	25.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.44%
20) 2-Butanone-d5	7.08	46	140001	54.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.30%
24) Chloroform-d	7.65	84	518516	26.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.52%
26) 1,2-Dichloroethane-d4	8.31	65	298991	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.27	84	1031682	27.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.36%
33) 1,2-Dichloropropane-d6	9.27	67	336595	26.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.40%
37) Toluene-d8	10.32	98	902950	28.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.28%
38) trans-1,3-Dichloropropene-	10.58	79	130149	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.52%
39) 2-Hexanone-d5	10.92	63	102632	55.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	223502	26.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	236611	26.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	113658	22.415	ug/L	99
3) Chloromethane	2.21	50	196630	20.971	ug/L	98
5) Vinyl chloride	2.37	62	285362	21.844	ug/L	97
6) Bromomethane	2.78	94	160502	22.258	ug/L	100
8) Chloroethane	2.93	64	179635	22.587	ug/L	99
9) Trichlorofluoromethane	3.26	101	173781	23.767	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	227363	22.351	ug/L	97
12) 1,1-Dichloroethene	4.04	96	217929	22.576	ug/L	98
13) Acetone	4.13	43	111887	48.933	ug/L	99
14) Carbon disulfide	4.39	76	797654	22.214	ug/L	100
15) Methyl Acetate	4.67	43	118951	22.023	ug/L	95
16) Methylene chloride	4.92	84	237526	21.323	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	289904	23.128	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	227070	22.631	ug/L	99
19) 1,1-Dichloroethane	6.21	63	496397	23.088	ug/L	97
21) 2-Butanone	7.17	43	155247	47.938	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	231421	23.226	ug/L	96

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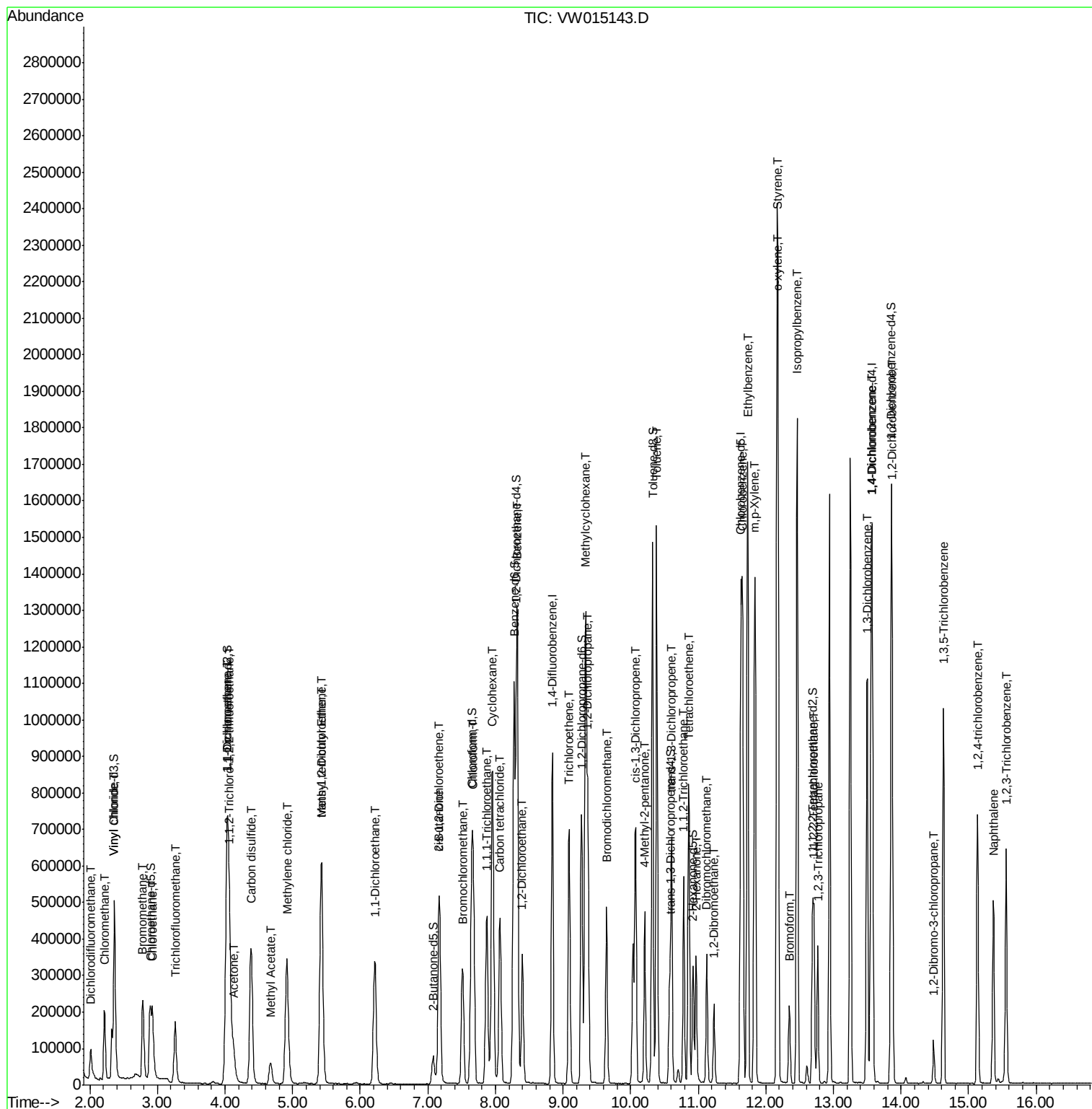
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91904	22.466	ug/L	98
25) Chloroform	7.67	83	446103	22.968	ug/L	100
27) 1,2-Dichloroethane	8.40	62	320014	22.941	ug/L	98
30) Cyclohexane	7.96	56	472596	24.566	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	356460	23.013	ug/L	99
32) Carbon tetrachloride	8.07	117	310438	23.100	ug/L	99
34) Benzene	8.32	78	1034560	23.718	ug/L	100
35) Trichloroethene	9.09	95	242755	22.862	ug/L	99
36) Methylcyclohexane	9.34	83	448113	24.564	ug/L	100
40) 1,2-Dichloropropane	9.37	63	280449	23.314	ug/L	100
41) Bromodichloromethane	9.64	83	317041	23.165	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	381499	24.137	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	326538	47.980	ug/L	98
44) Toluene	10.38	91	1040116	24.115	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	330870	23.940	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	159847	22.606	ug/L	99
47) Tetrachloroethene	10.86	164	154755	22.583	ug/L	97
49) 2-Hexanone	10.97	43	237286	52.278	ug/L	100
50) Dibromochloromethane	11.13	129	166258	22.870	ug/L	98
51) 1,2-Dibromoethane	11.23	107	141141	22.538	ug/L	100
52) Chlorobenzene	11.66	112	577947	22.924	ug/L	99
53) Ethylbenzene	11.73	91	1132185	24.302	ug/L	99
54) m,p-Xylene	11.84	106	398780	24.416	ug/L	96
55) o-xylene	12.16	106	371303	24.250	ug/L	97
56) Styrene	12.18	104	644224	24.721	ug/L	98
57) Isopropylbenzene	12.46	105	1040670	24.669	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	199142	22.501	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	147602	22.297	ug/L	98
62) Bromoform	12.35	173	81785	21.717	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	392553	23.122	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	391728	22.552	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	357361	23.129	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	30387	20.647	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	254554	23.290	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	193405	23.477	ug/L	99
69) Naphthalene	15.36	128	372740	23.271	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	174580	22.805	ug/L	99

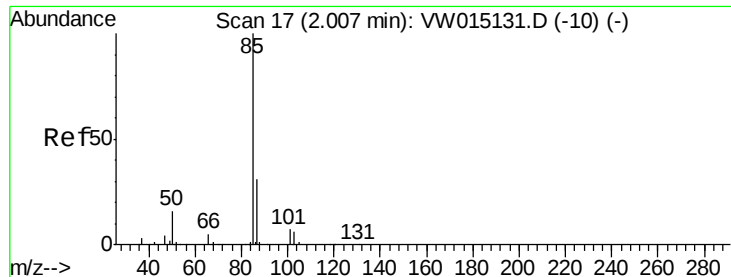
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.415 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

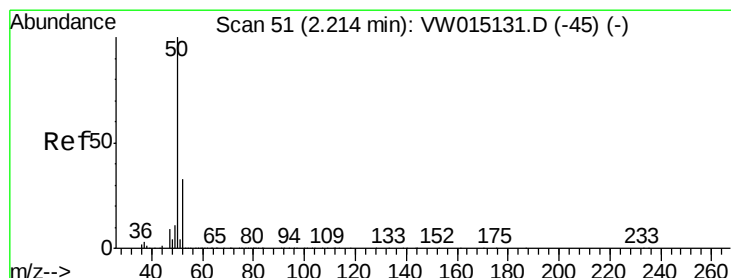
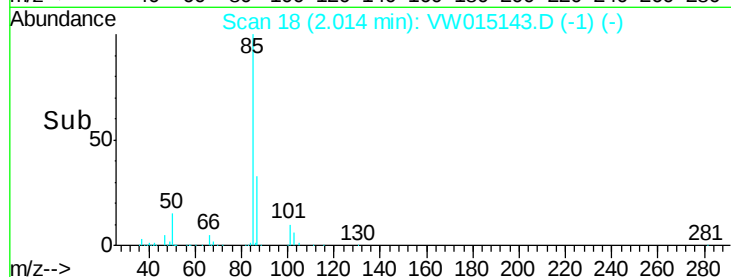
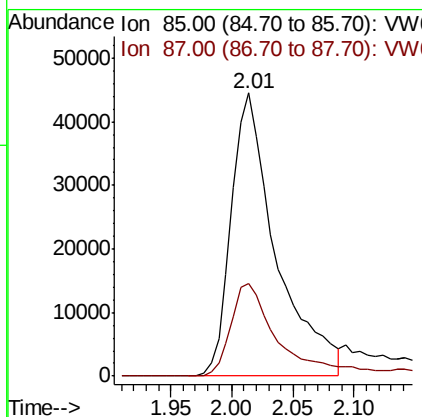
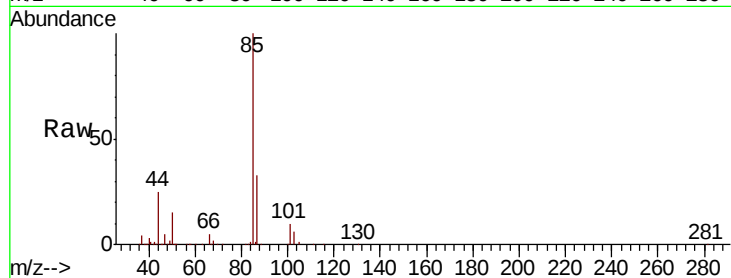
ClientSampleId :

Tot Ion: 85 Resp: 113658

Ion Ratio Lower Upper

85 100

87 33.2 23.4 43.6



#3

Chloromethane

Concen: 20.971 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015143.D

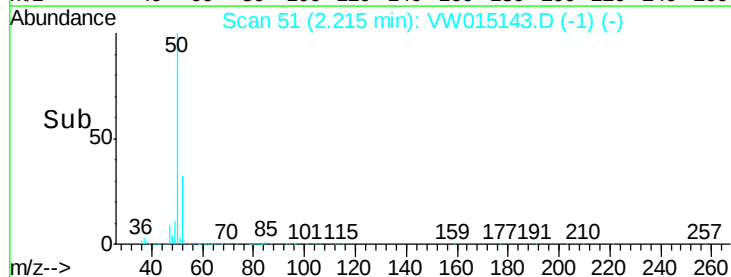
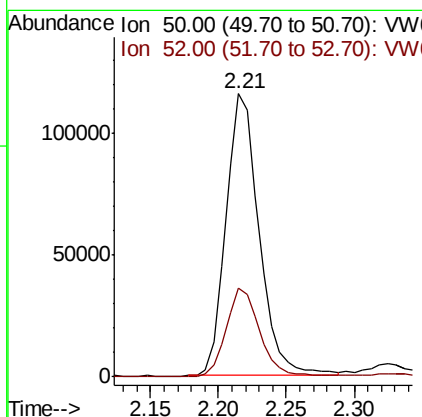
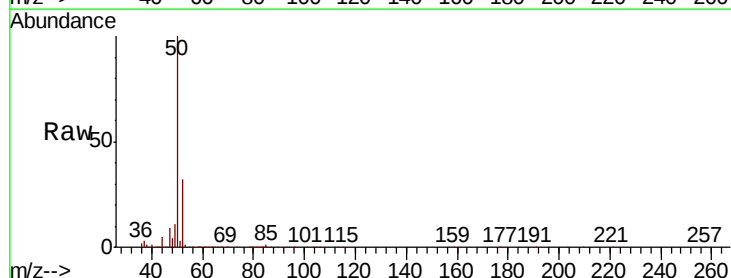
Acq: 26 Mar 2020 08:56

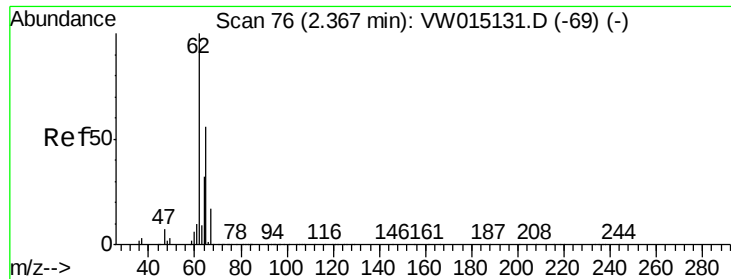
Tgt Ion: 50 Resp: 196630

Ion Ratio Lower Upper

50 100

52 31.5 23.0 42.8





#5

Vinyl chloride

Concen: 21.844 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

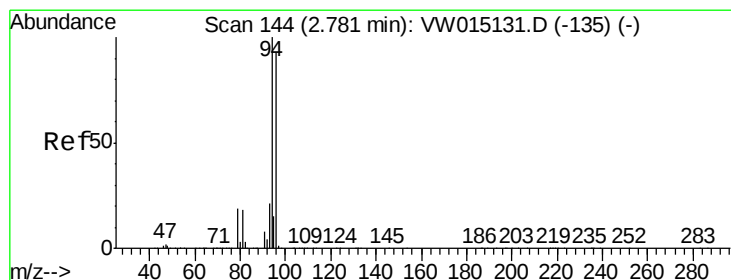
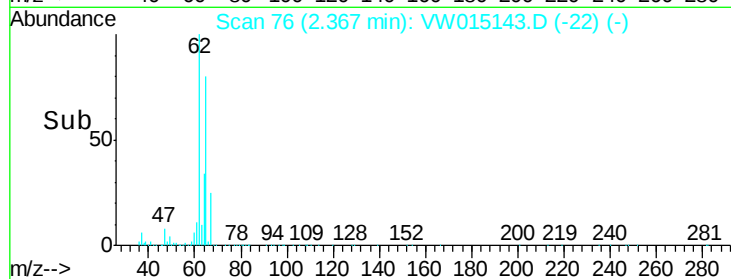
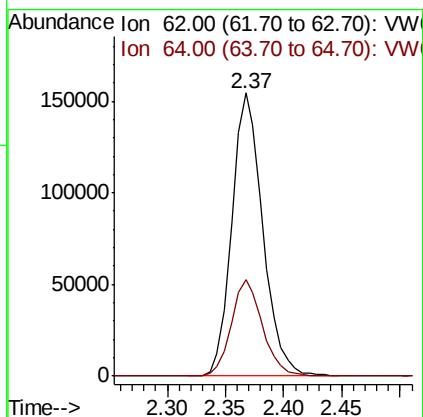
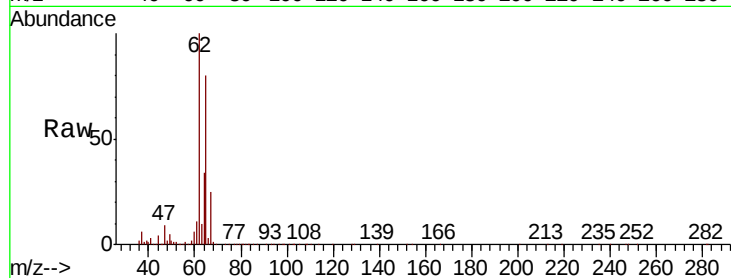
ClientSampleId :

Tot Ion: 62 Resp: 285362

Ion Ratio Lower Upper

62 100

64 34.2 22.7 42.3



#6

Bromomethane

Concen: 22.258 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015143.D

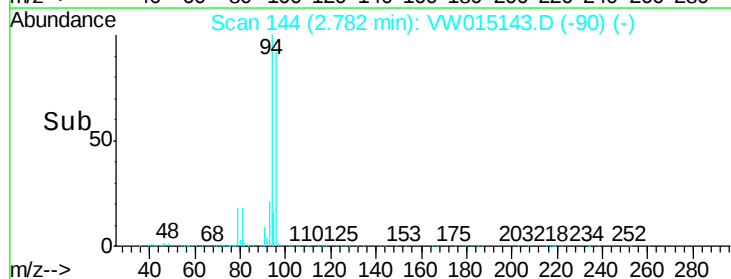
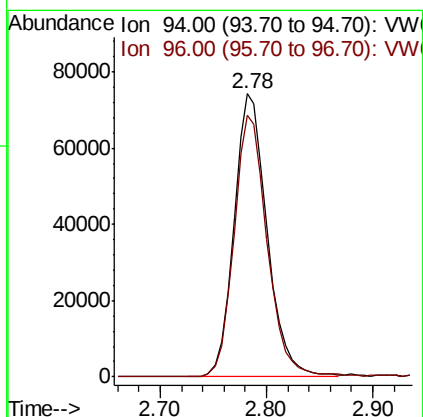
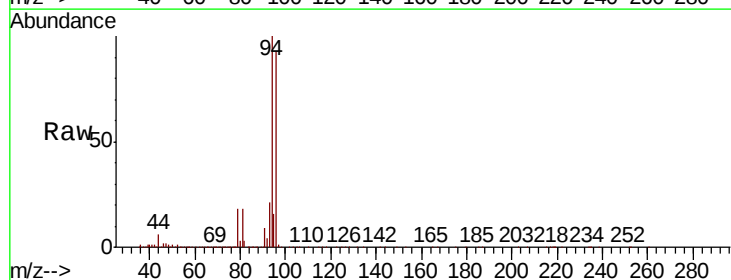
Acq: 26 Mar 2020 08:56

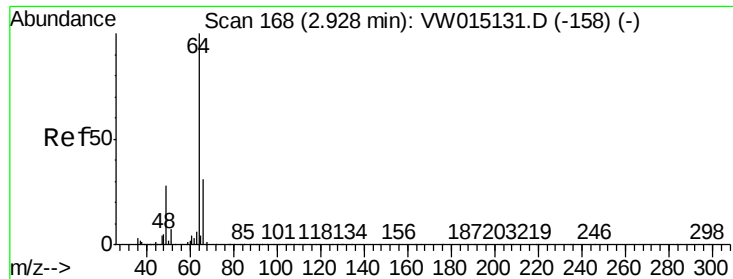
Tgt Ion: 94 Resp: 160502

Ion Ratio Lower Upper

94 100

96 92.9 9.3 177.3

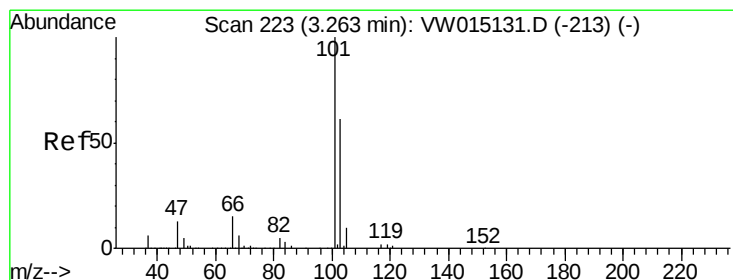
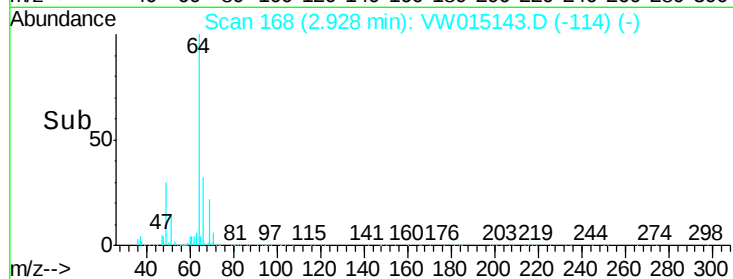
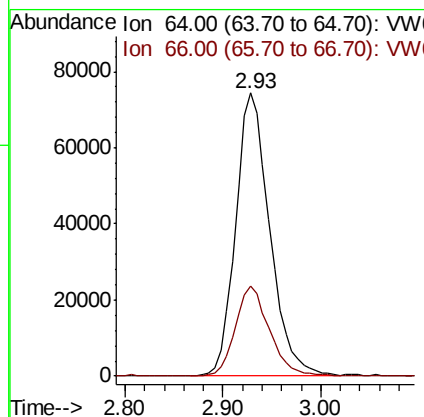
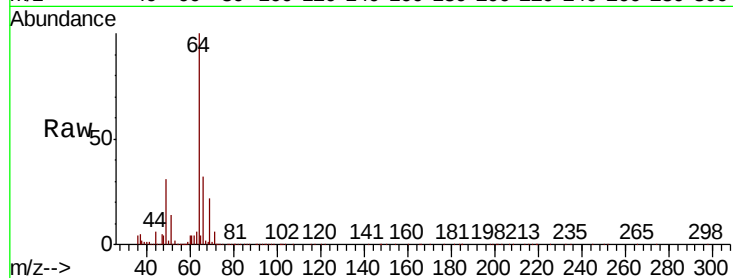




#8
Chloroethane
Concen: 22.587 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

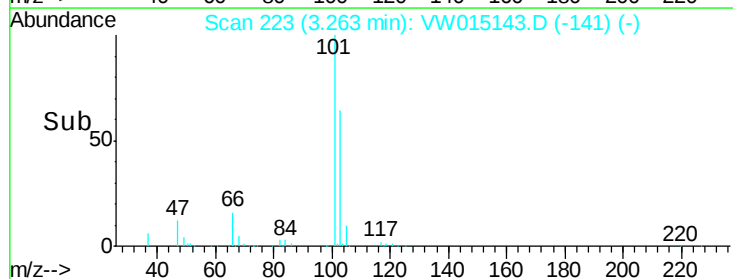
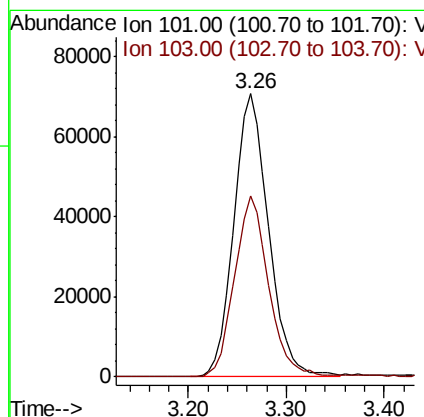
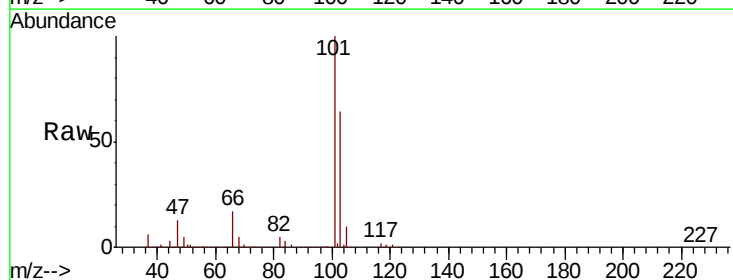
Instrument :
MSVOA_W
ClientSampled :

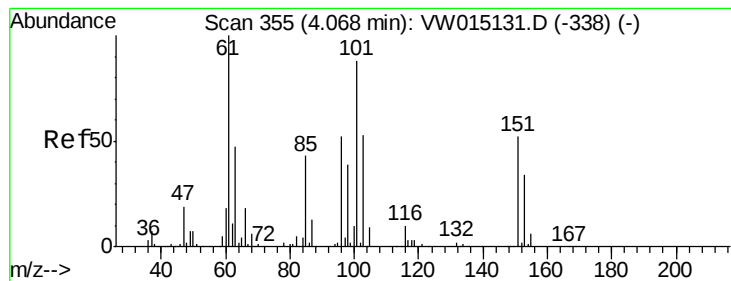
Tot Ion: 64 Resp: 179635
Ion Ratio Lower Upper
64 100
66 32.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 23.767 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Tgt Ion: 101 Resp: 173781
Ion Ratio Lower Upper
101 100
103 62.9 43.8 81.4





#11

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

Concen: 22.351 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

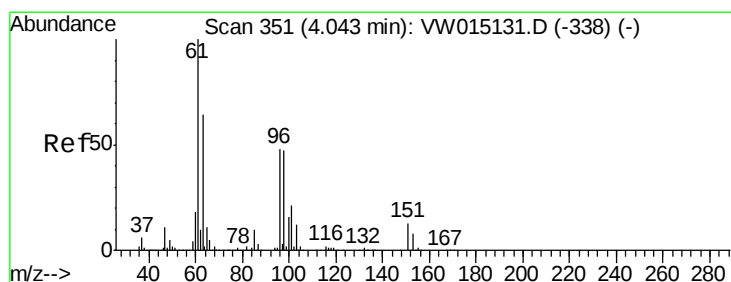
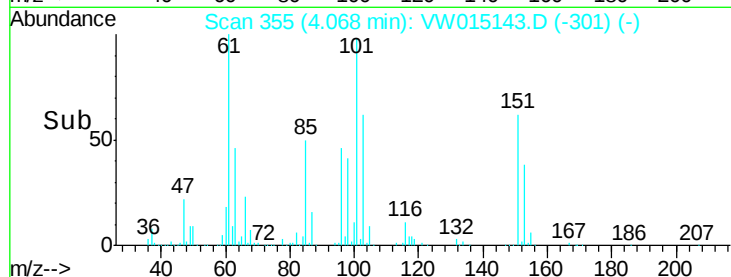
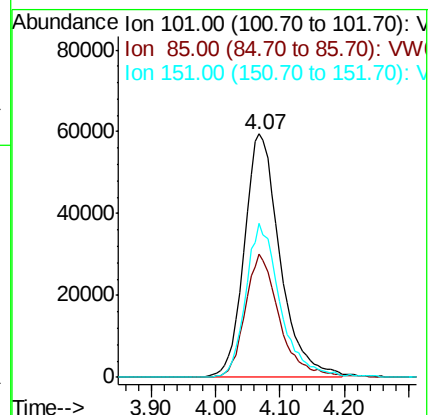
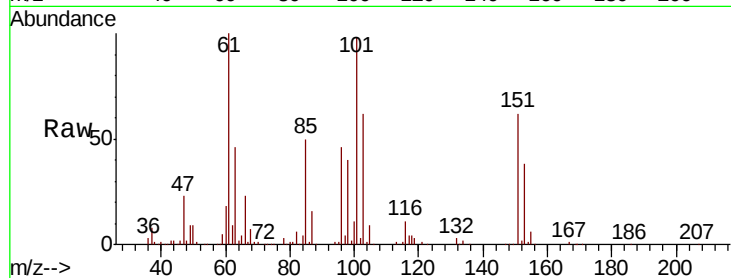
Tot Ion:101 Resp: 227363

Ion Ratio Lower Upper

101 100

85 48.3 37.8 56.6

151 60.1 50.2 75.4



#12

1,1-Dichloroethene

Concen: 22.576 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

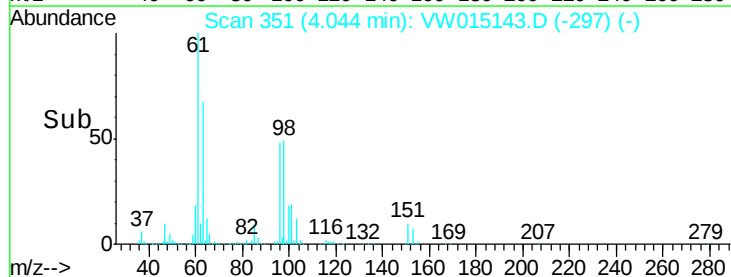
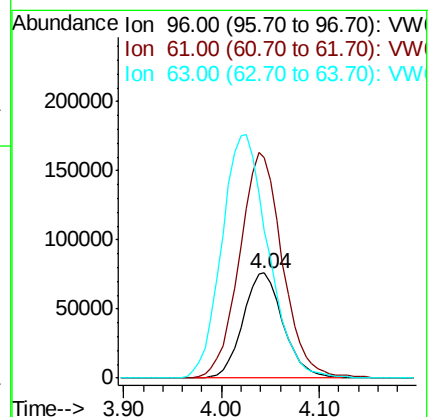
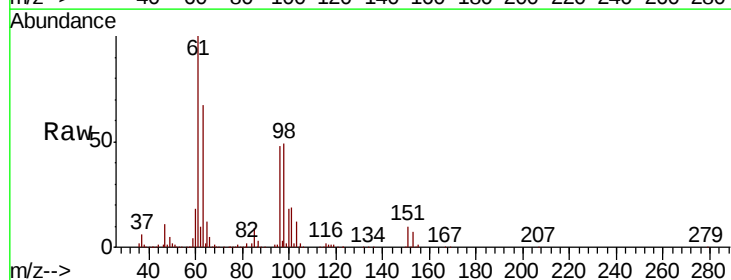
Tgt Ion: 96 Resp: 217929

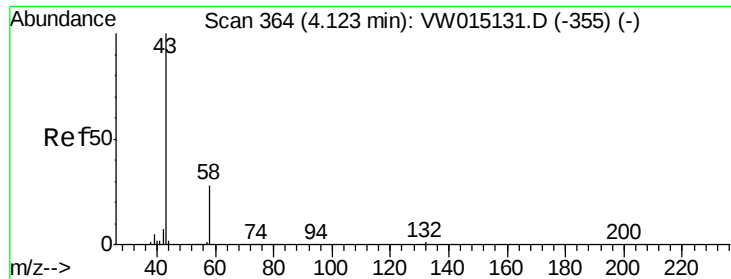
Ion Ratio Lower Upper

96 100

61 209.2 146.2 271.4

63 140.1 95.0 176.4





#13

Acetone

Concen: 48.933 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

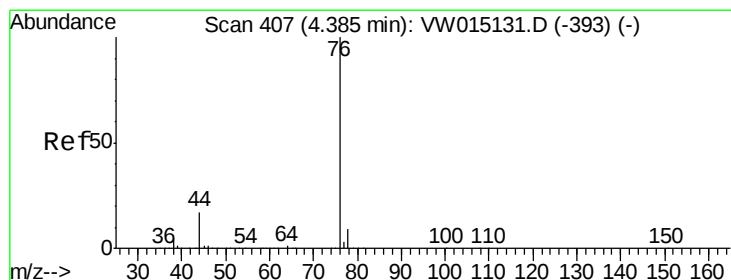
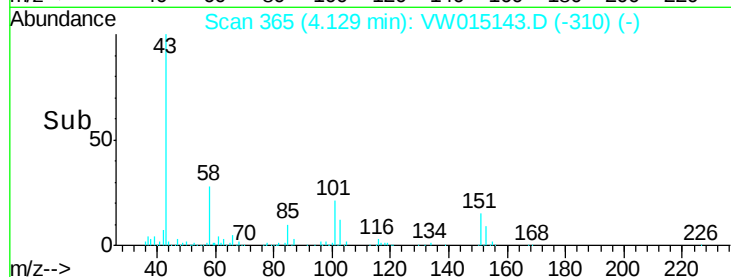
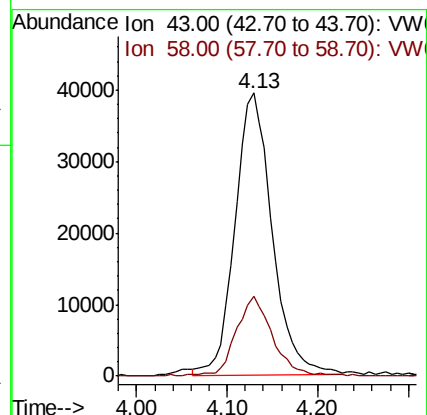
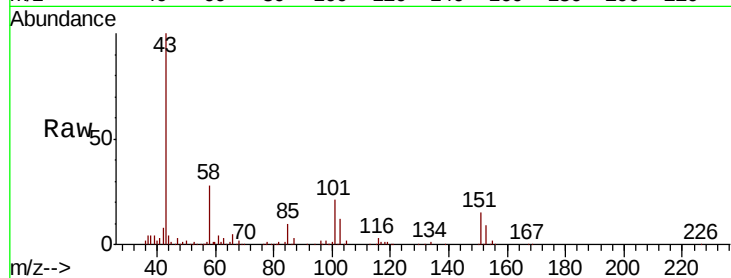
ClientSampleId :

Tot Ion: 43 Resp: 111887

Ion Ratio Lower Upper

43 100

58 26.9 0.0 54.4



#14

Carbon disulfide

Concen: 22.214 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015143.D

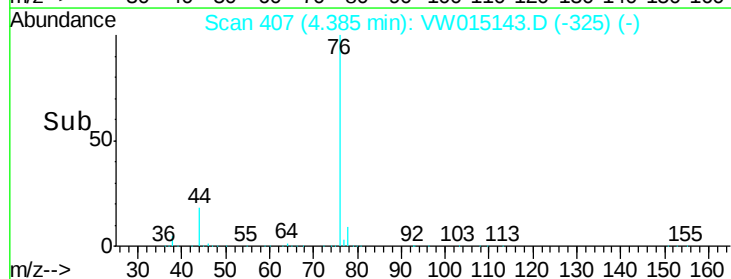
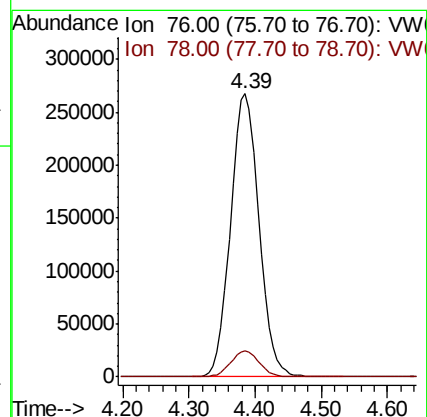
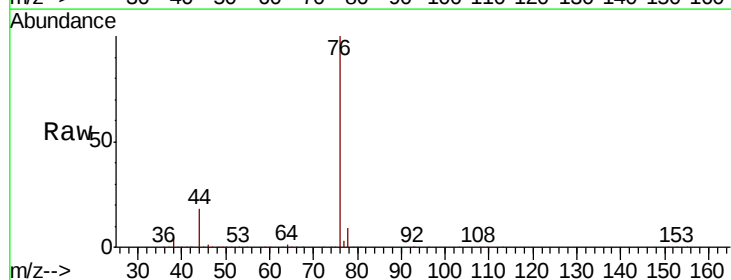
Acq: 26 Mar 2020 08:56

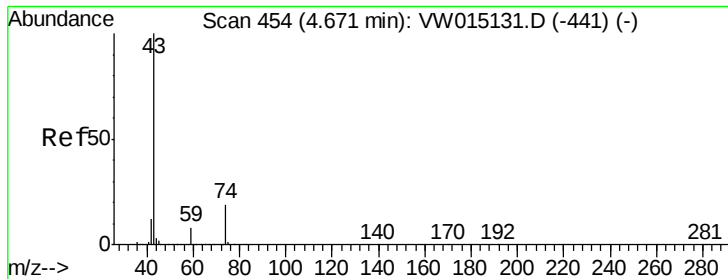
Tgt Ion: 76 Resp: 797654

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

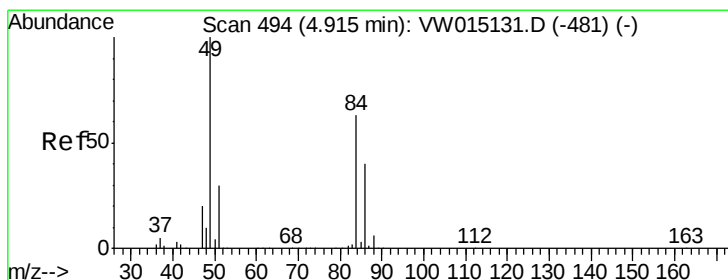
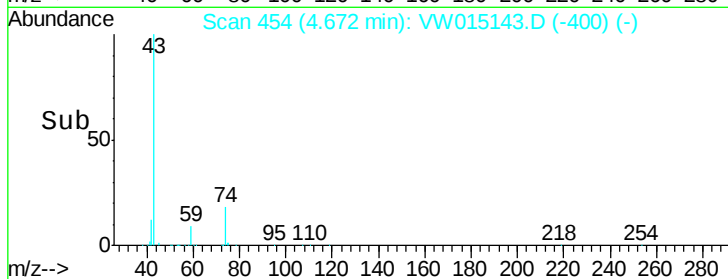
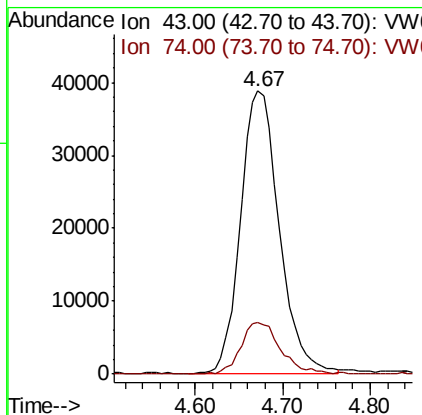
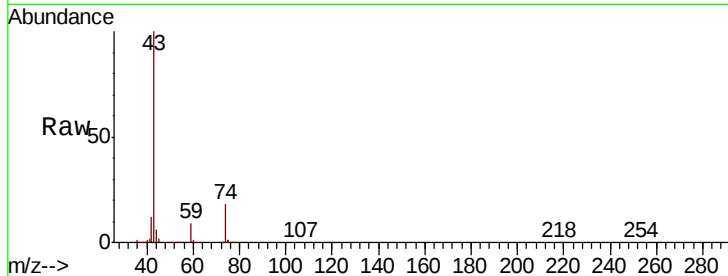




#15
Methyl Acetate
Concen: 22.023 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

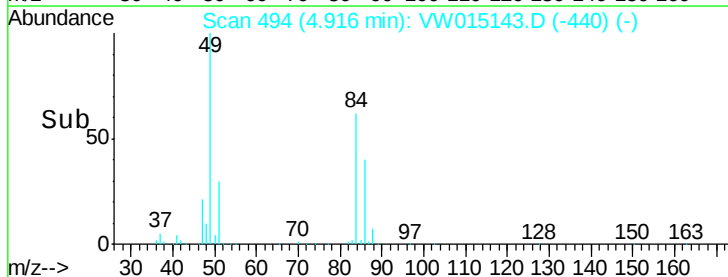
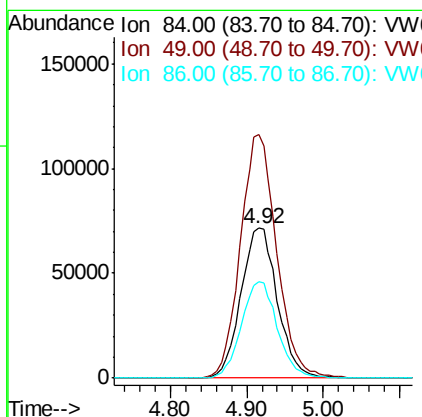
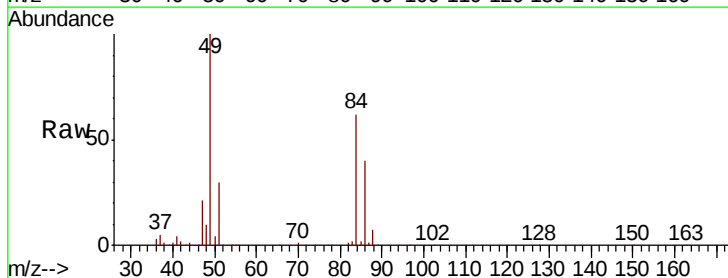
Instrument :
MSVOA_W
ClientSampleId :

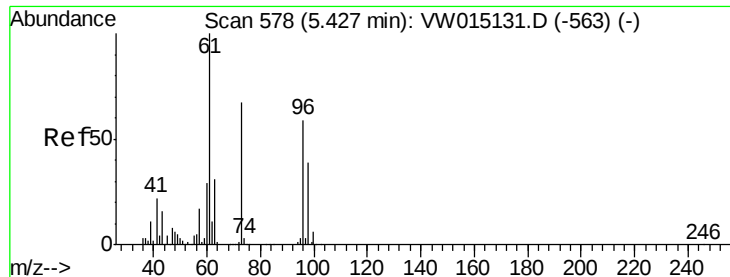
Tot Ion: 43 Resp: 118951
Ion Ratio Lower Upper
43 100
74 17.3 15.5 23.3



#16
Methylene chloride
Concen: 21.323 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Tgt Ion: 84 Resp: 237526
Ion Ratio Lower Upper
84 100
49 162.5 111.7 207.5
86 64.7 44.7 82.9

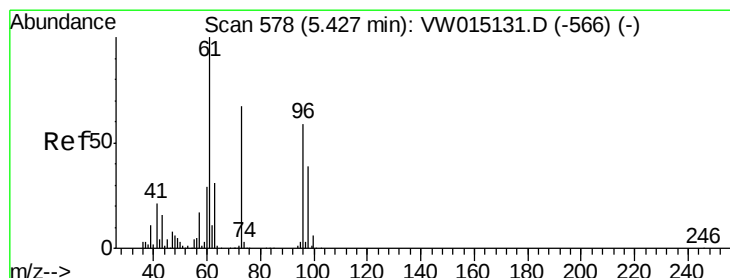
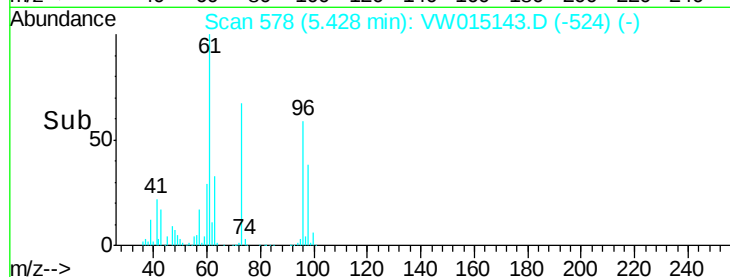
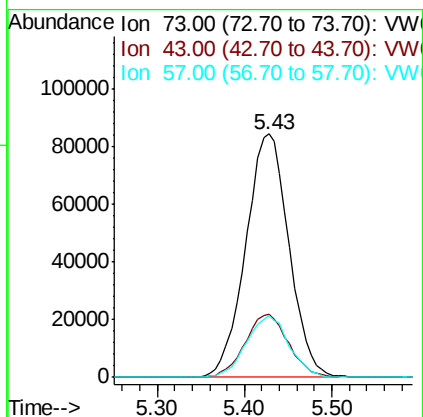
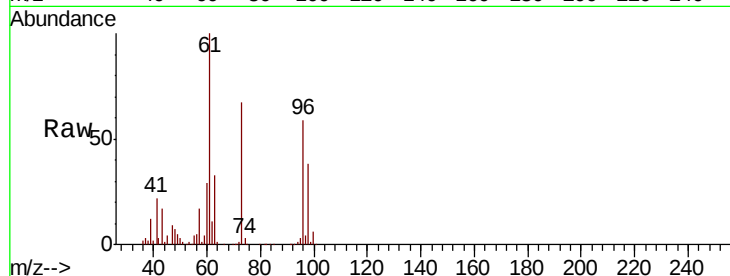




#17
Methvl tert-butvl Ether
Concen: 23.128 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

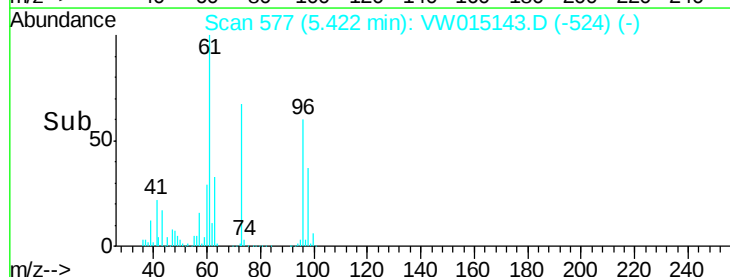
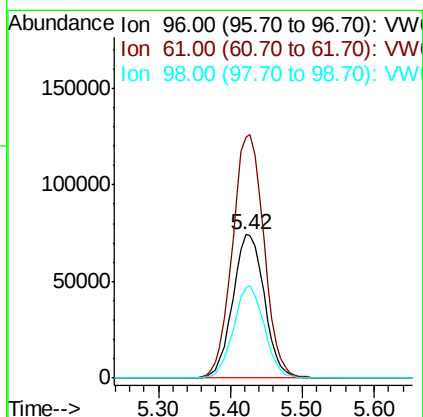
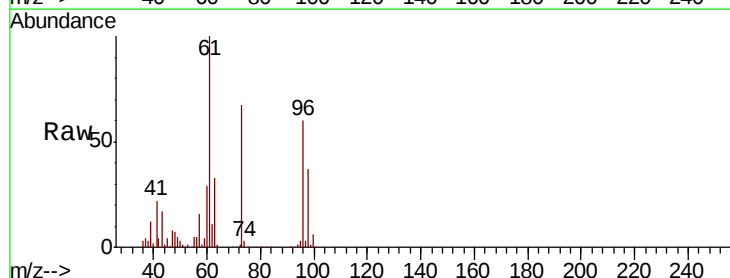
Instrument :
MSVOA_W
ClientSampled :

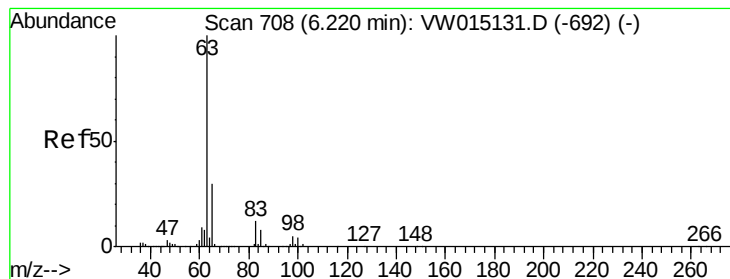
Tot Ion	Ratio	Lower	Upper
73	100		
43	26.2	20.2	30.2
57	25.1	19.7	29.5



#18
trans-1,2-Dichloroethene
Concen: 22.631 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	118.1	219.3
98	62.5	45.8	85.2





#19

1,1-Dichloroethane

Concen: 23.088 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

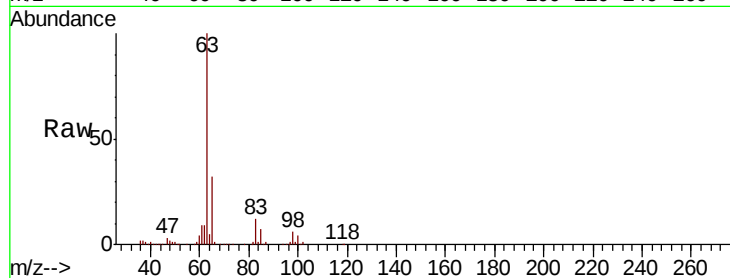
Tot Ion: 63 Resp: 496397

Ion Ratio Lower Upper

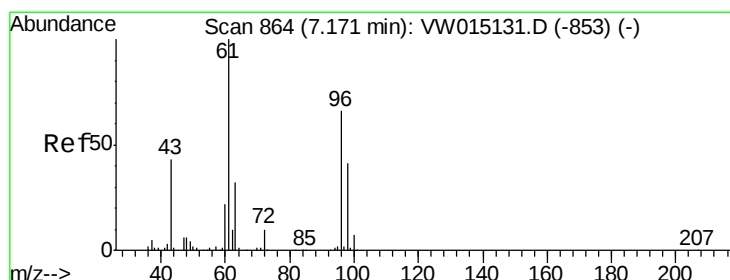
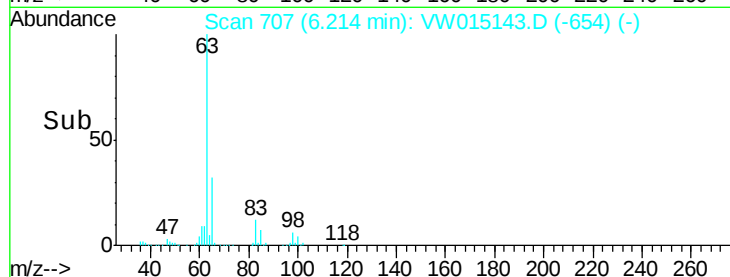
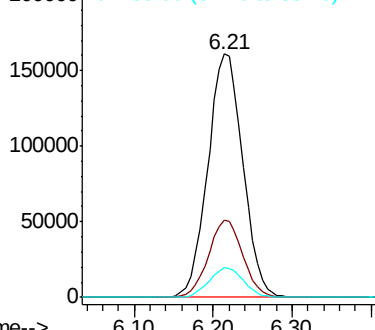
63 100

65 31.7 20.6 38.4

83 12.2 8.1 15.1



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: 47.938 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015143.D

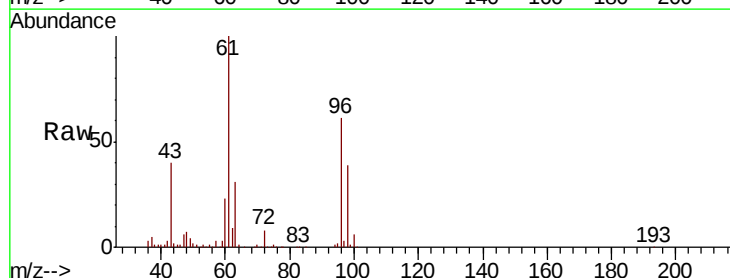
Acq: 26 Mar 2020 08:56

Tgt Ion: 43 Resp: 155247

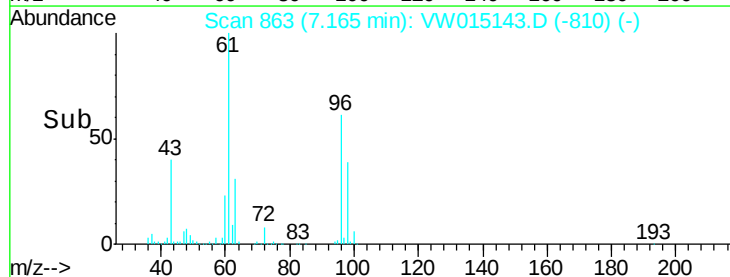
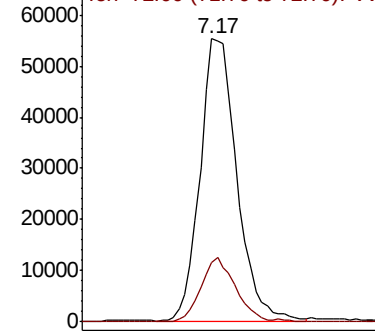
Ion Ratio Lower Upper

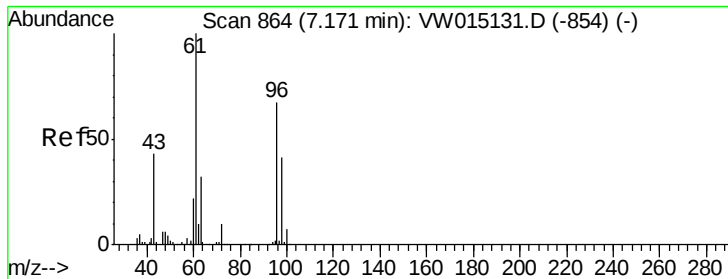
43 100

72 21.3 11.7 35.0



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



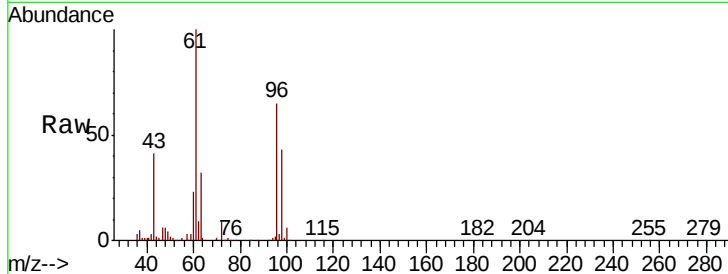


#22

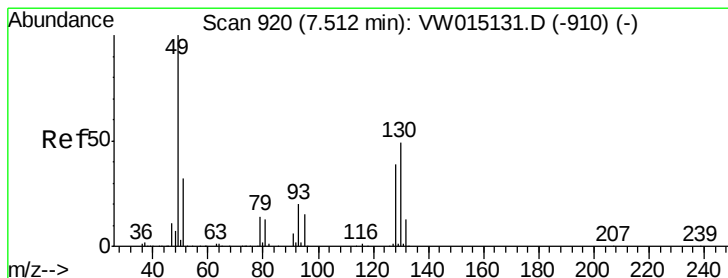
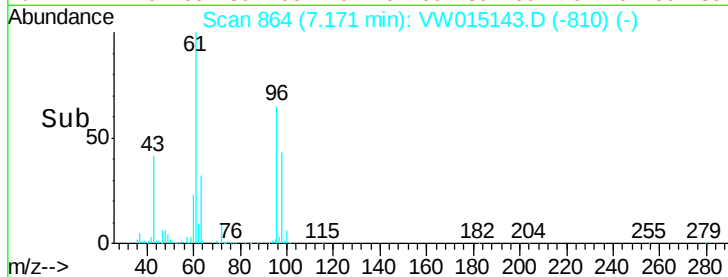
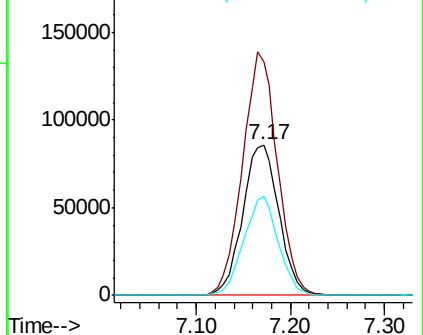
cis-1,2-Dichloroethene
Concen: 23.226 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	105.6	196.0
98	65.8	43.3	80.5



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

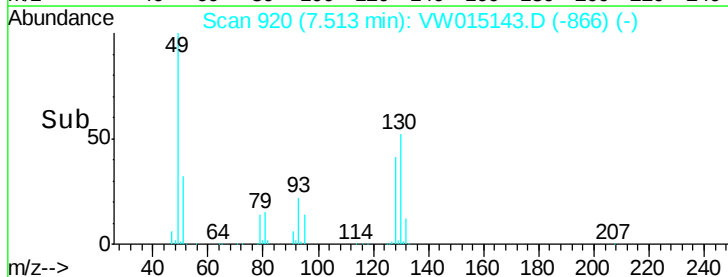
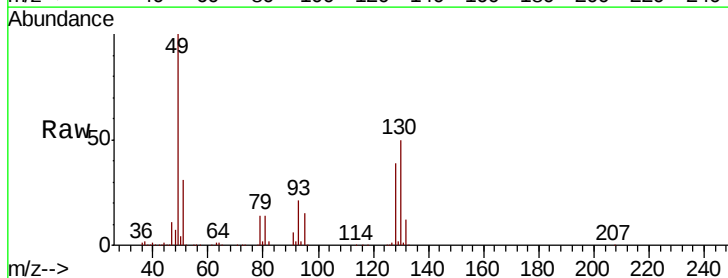
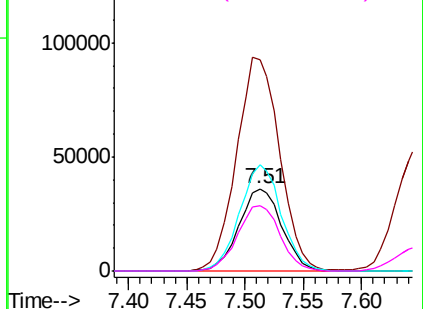


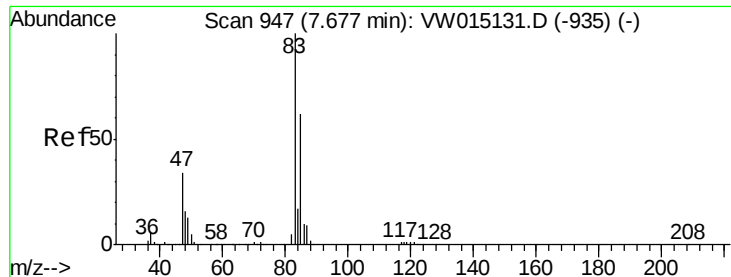
#23

Bromochloromethane
Concen: 22.466 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Tgt Ion	Ratio	Lower	Upper
128	100		
49	255.3	181.2	336.6
130	128.2	88.4	164.2
51	79.6	66.2	99.4

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

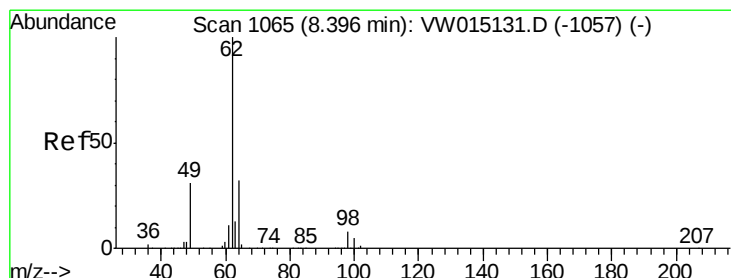
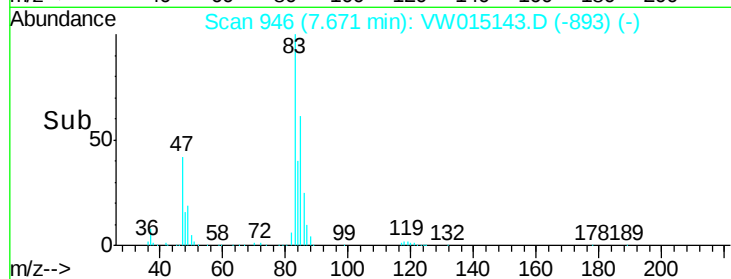
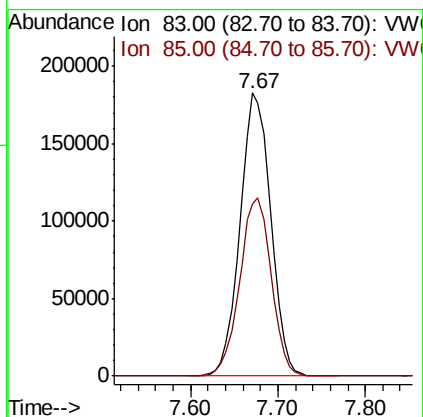
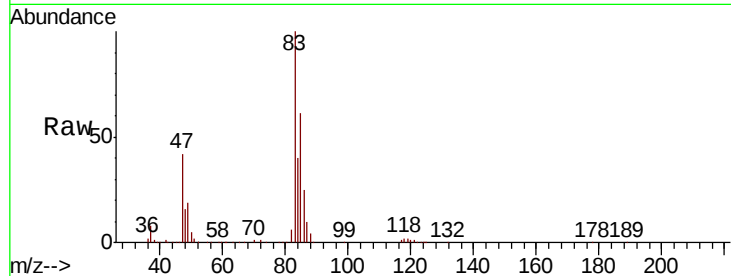




#25
Chloroform
Concen: 22.968 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

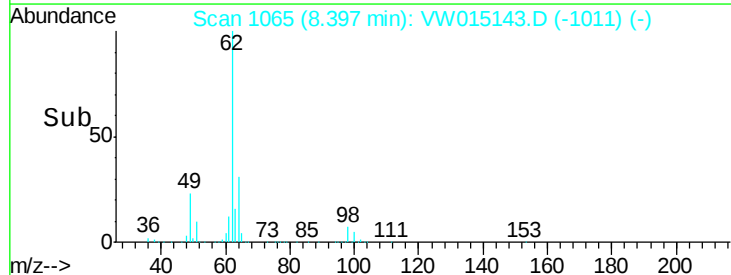
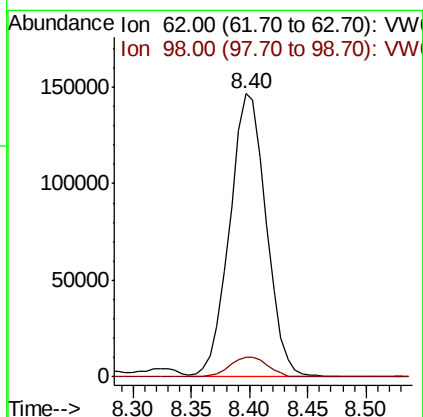
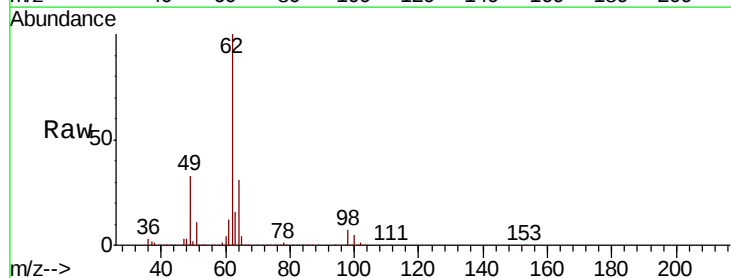
Instrument :
MSVOA_W
ClientSampleId :

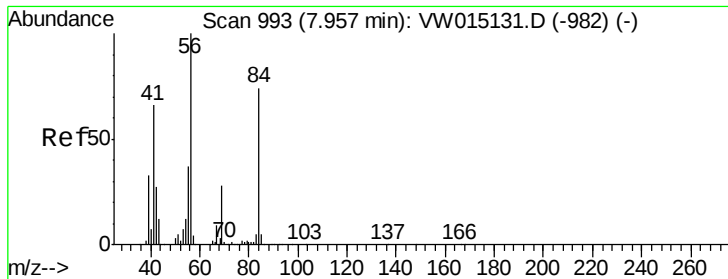
Tot Ion: 83 Resp: 446103
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 22.941 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Tgt Ion: 62 Resp: 320014
Ion Ratio Lower Upper
62 100
98 7.2 6.2 9.4





#30

Cyclohexane

Concen: 24.566 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

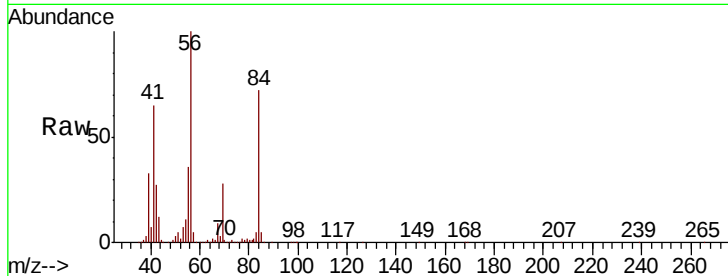
Tot Ion: 56 Resp: 472596

Ion Ratio Lower Upper

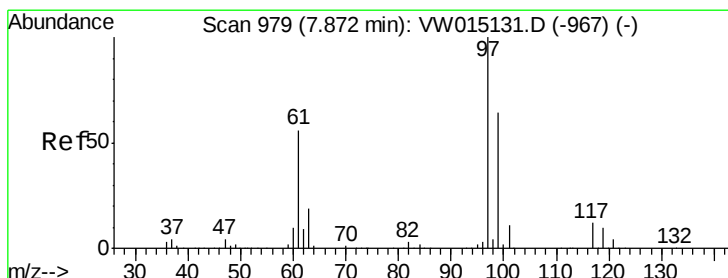
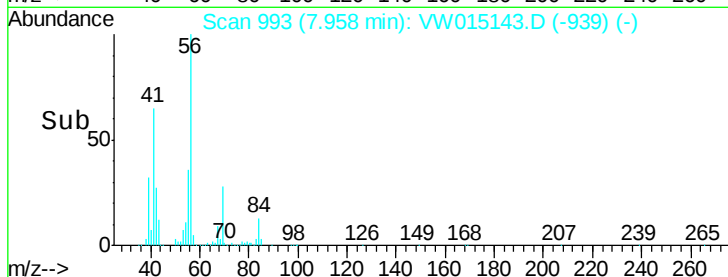
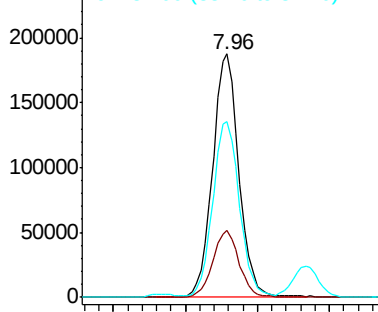
56 100

69 27.6 22.0 33.0

84 73.8 58.9 88.3



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: 23.013 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

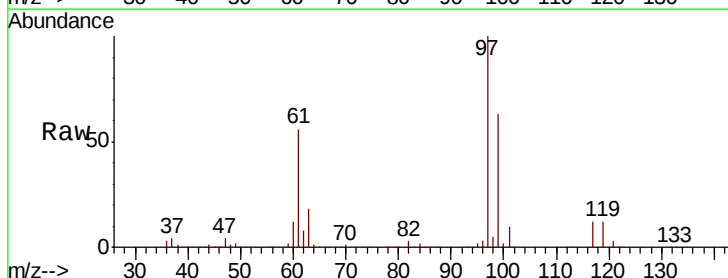
Tgt Ion: 97 Resp: 356460

Ion Ratio Lower Upper

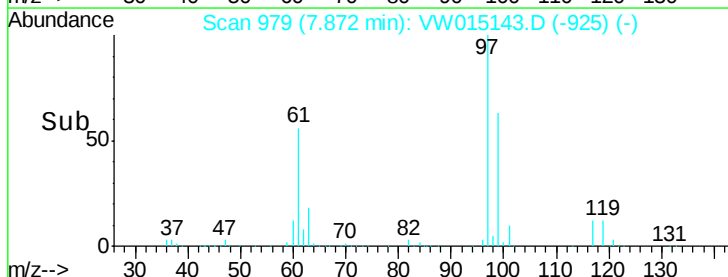
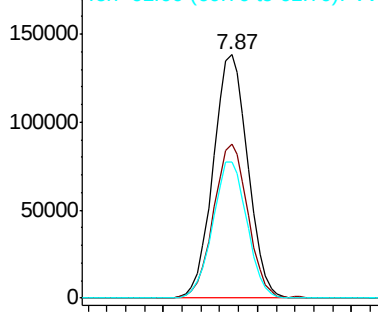
97 100

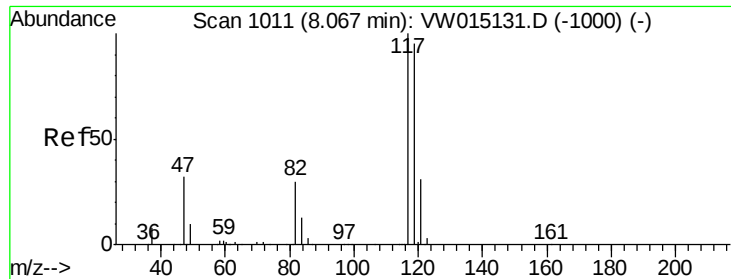
99 62.7 51.0 76.4

61 55.7 44.8 67.2



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: 23.100 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

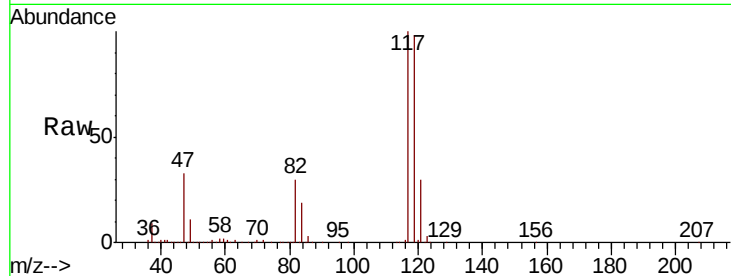
ClientSampled :

Tot Ion:117 Resp: 310438

Ion Ratio Lower Upper

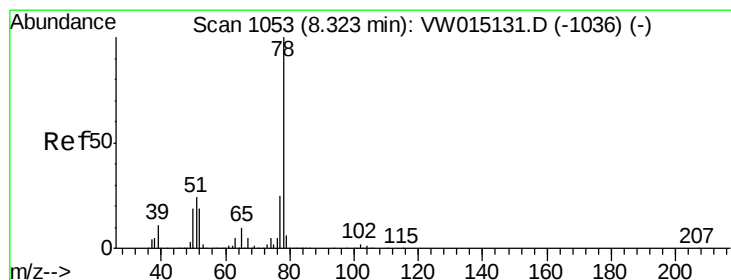
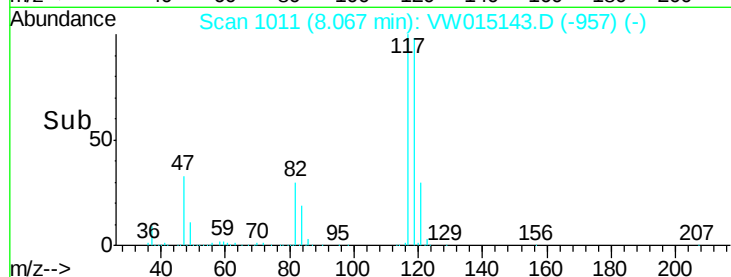
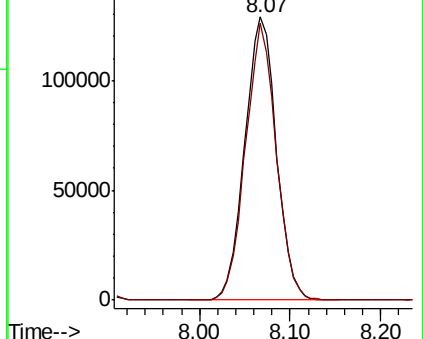
117 100

119 94.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.718 ug/L

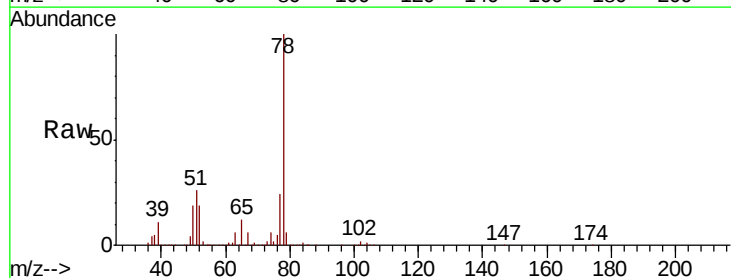
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

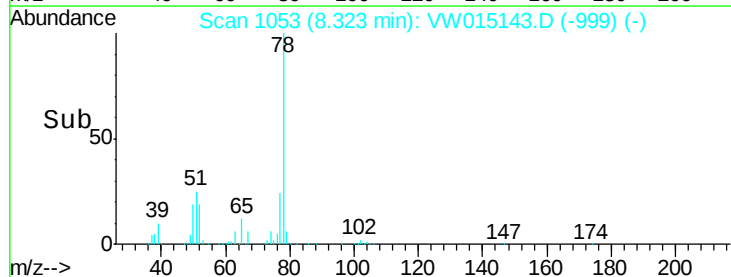
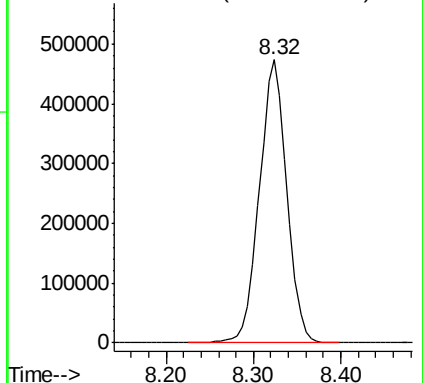
Lab File: VW015143.D

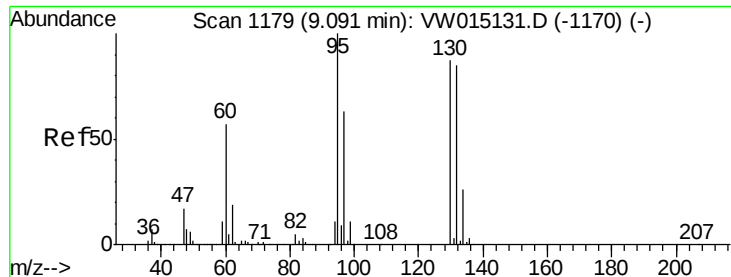
Acq: 26 Mar 2020 08:56

Tgt Ion: 78 Resp: 1034560



Abundance Ion 78.00 (77.70 to 78.70): VW

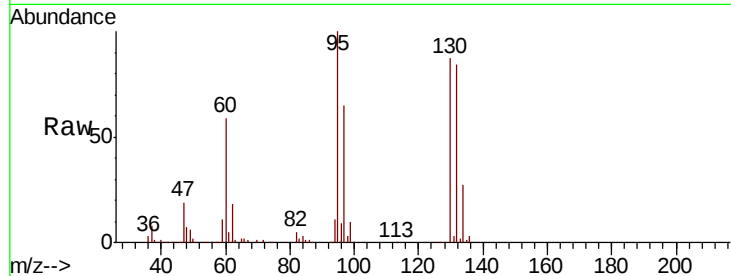




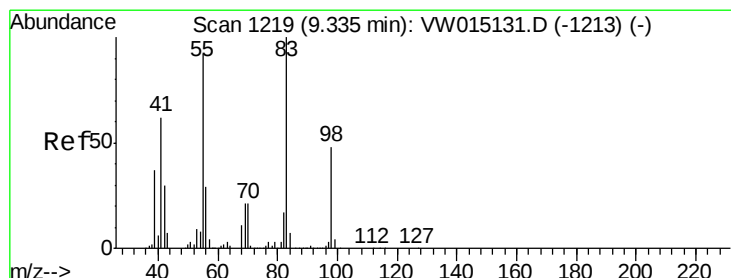
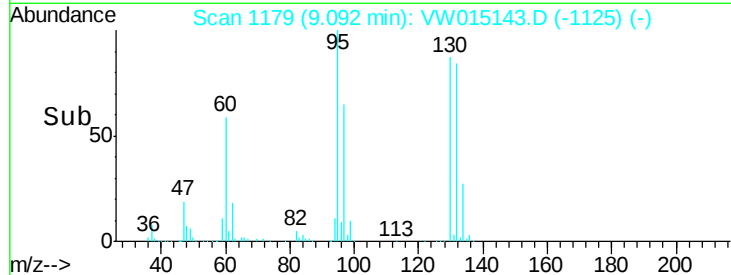
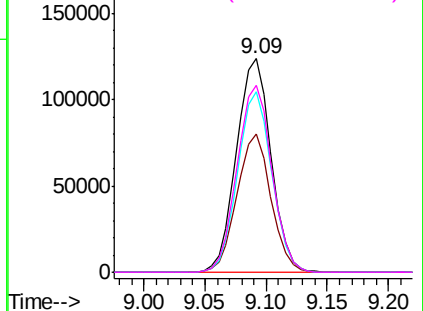
#35
 Trichloroethene
 Concen: 22.862 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	95	Resp	242755
Ion Ratio	Lower	Upper	
95	100		
97	63.5	43.7	81.1
132	83.2	58.7	109.1
130	88.1	61.3	113.9

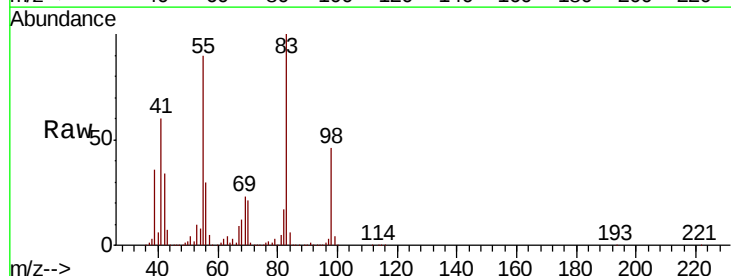


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

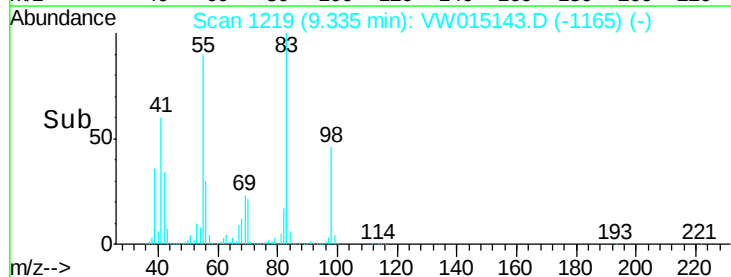
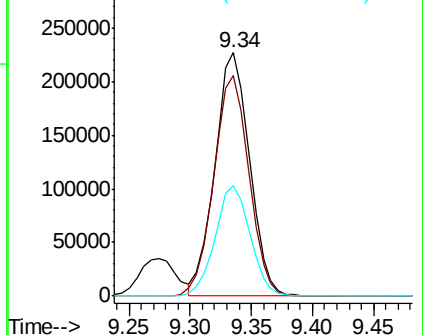


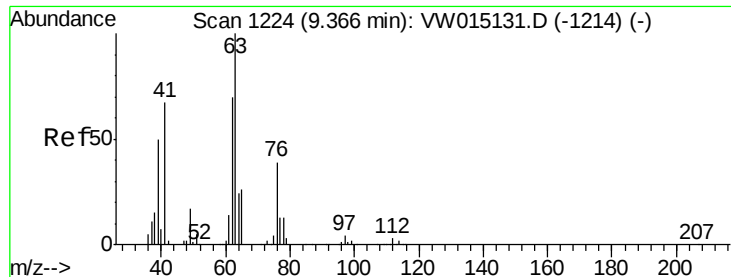
#36
 Methylcyclohexane
 Concen: 24.564 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Tgt Ion	83	Resp	448113
Ion Ratio	Lower	Upper	
83	100		
55	91.8	73.4	110.2
98	45.8	36.6	55.0



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

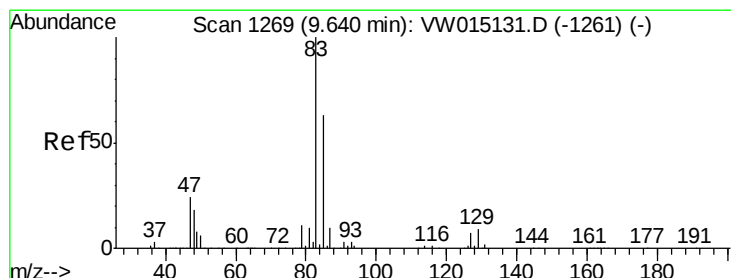
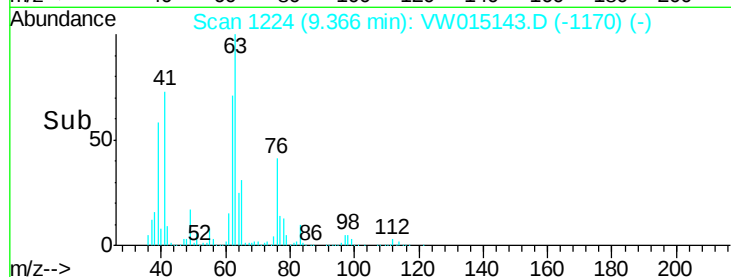
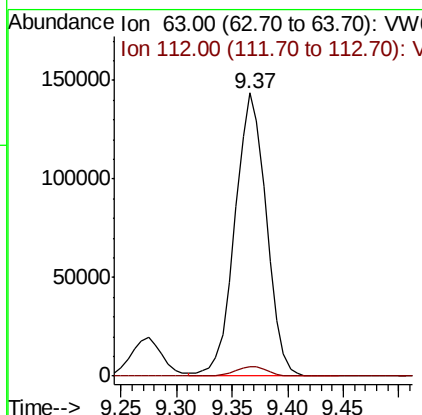
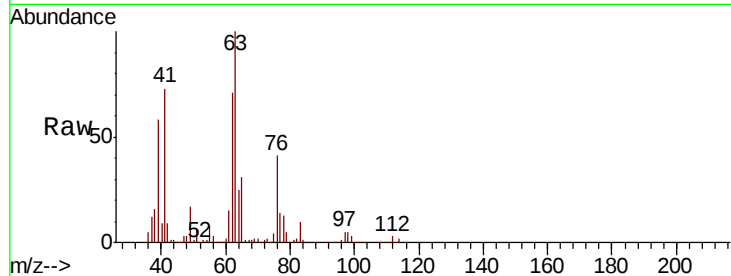




#40
 1,2-Dichloropropane
 Concen: 23.314 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

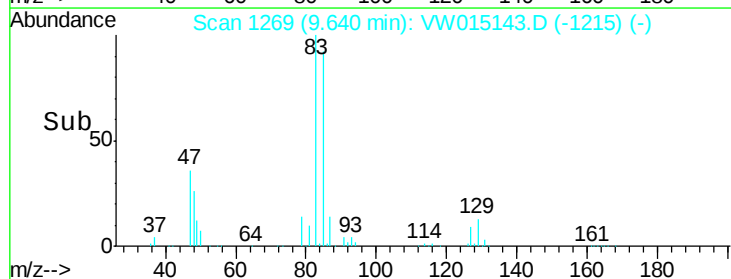
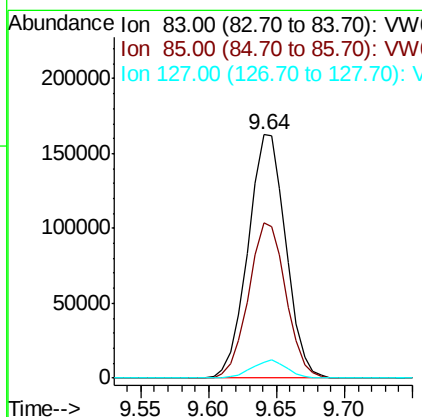
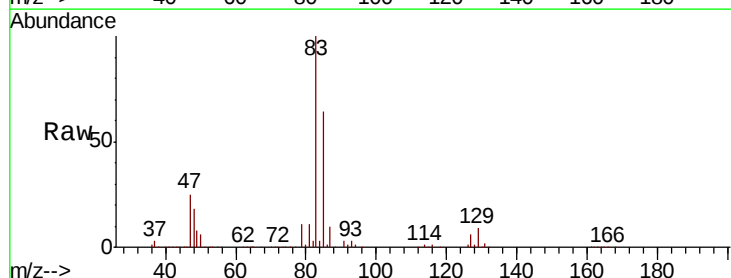
Instrument :
 MSVOA_W
 ClientSampleId :

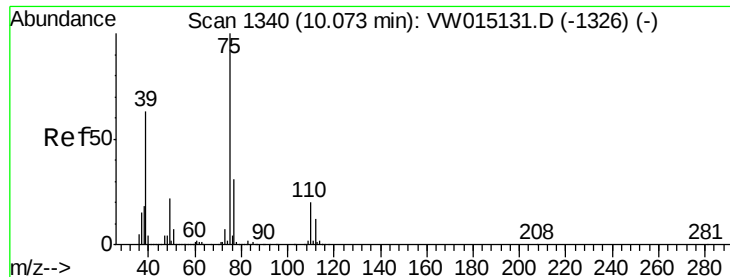
Tot Ion: 63 Resp: 280449
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#41
 Bromodichloromethane
 Concen: 23.165 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Tgt Ion: 83 Resp: 317041
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.1 81.9
 127 6.4 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 24.137 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

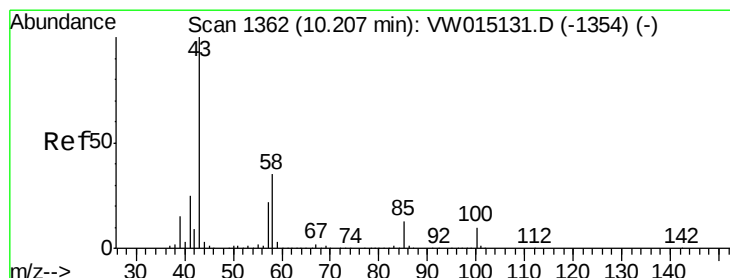
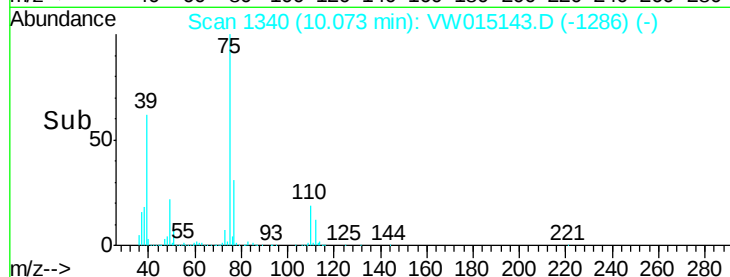
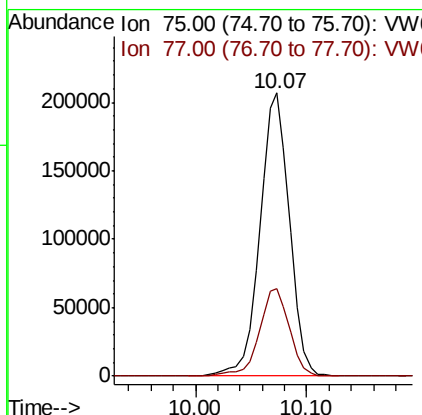
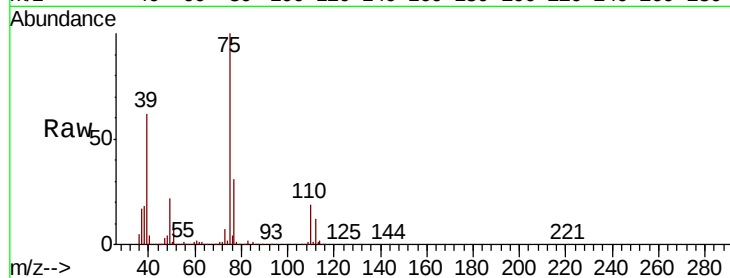
ClientSampleId :

Tot Ion: 75 Resp: 381499

Ion Ratio Lower Upper

75 100

77 30.9 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 47.980 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

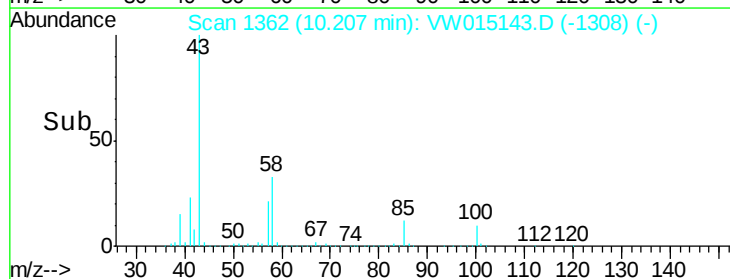
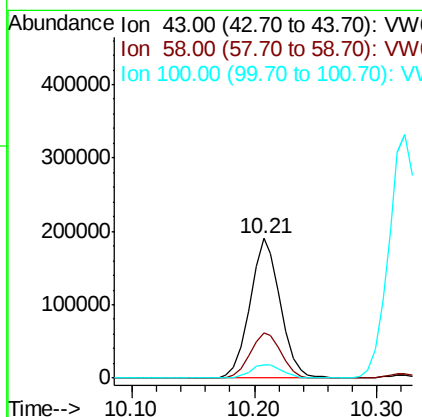
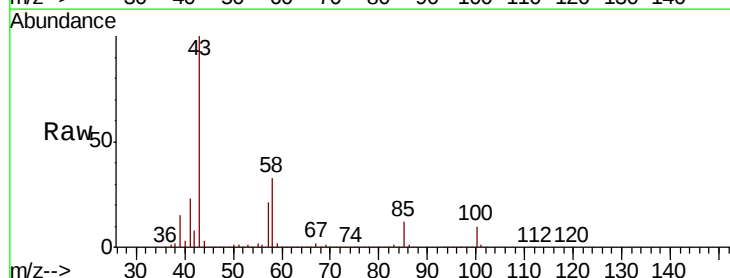
Tgt Ion: 43 Resp: 326538

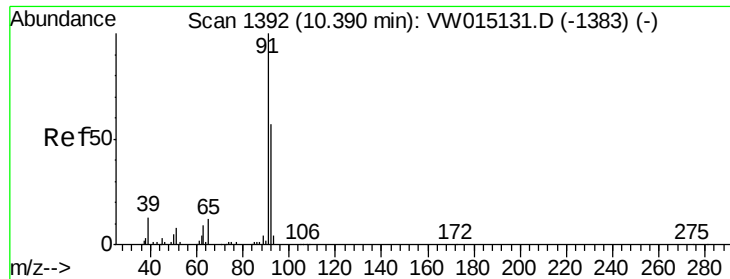
Ion Ratio Lower Upper

43 100

58 33.5 27.9 41.9

100 10.4 8.9 13.3





#44

Toluene

Concen: 24.115 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

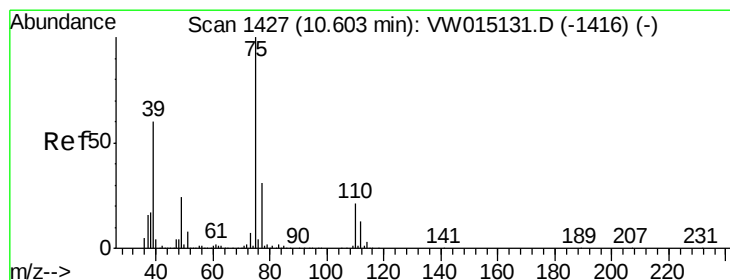
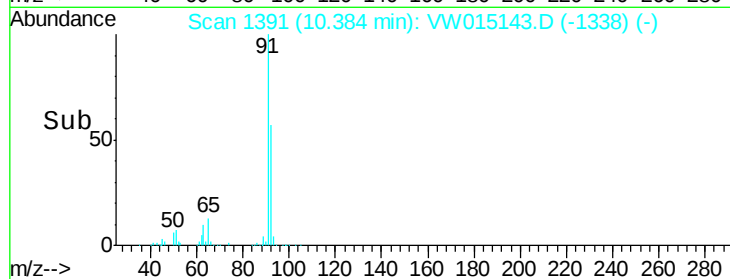
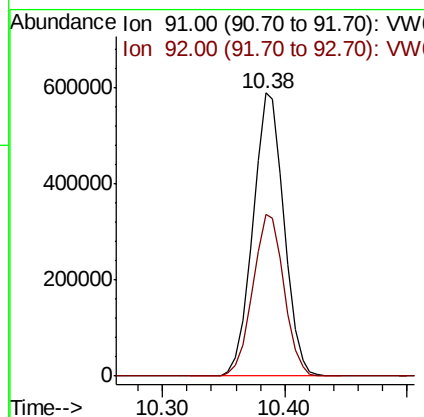
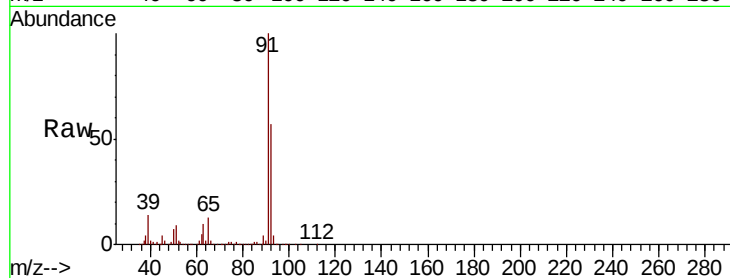
ClientSampleId :

Tot Ion: 91 Resp: 1040116

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 23.940 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015143.D

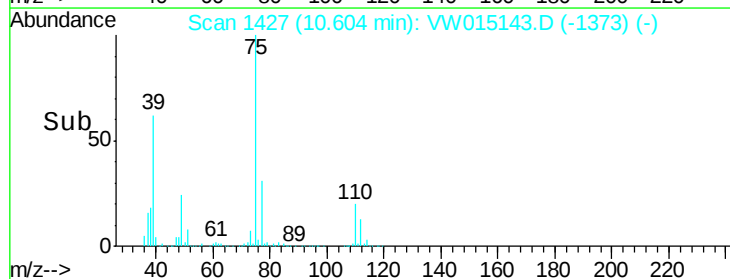
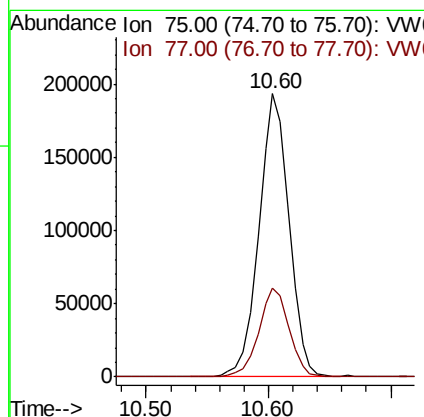
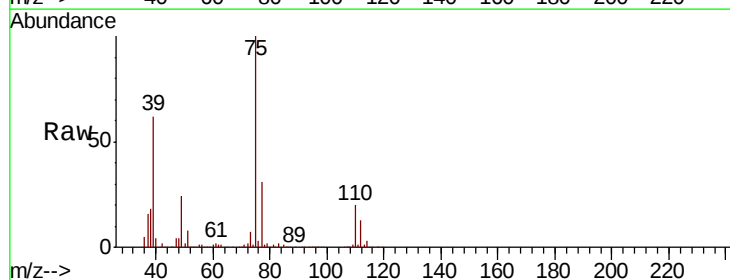
Acq: 26 Mar 2020 08:56

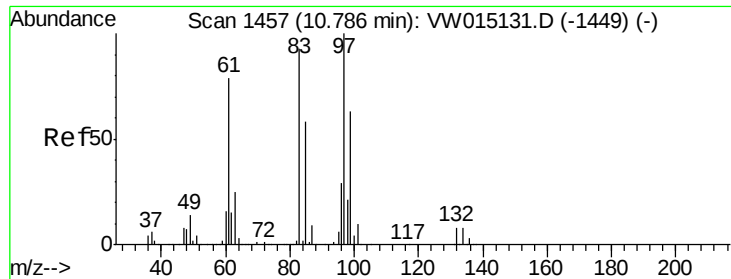
Tgt Ion: 75 Resp: 330870

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 22.606 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 159847

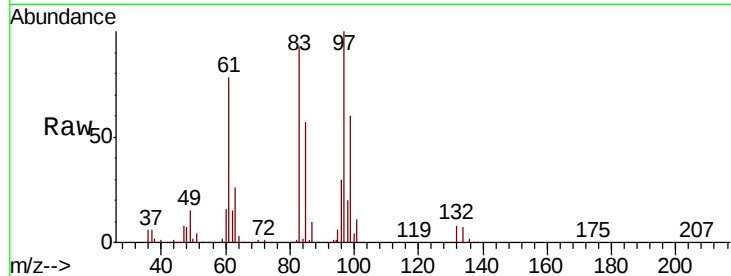
Ion Ratio Lower Upper

97 100

83 93.0 64.8 120.4

85 57.1 40.9 75.9

99 60.5 43.8 81.4

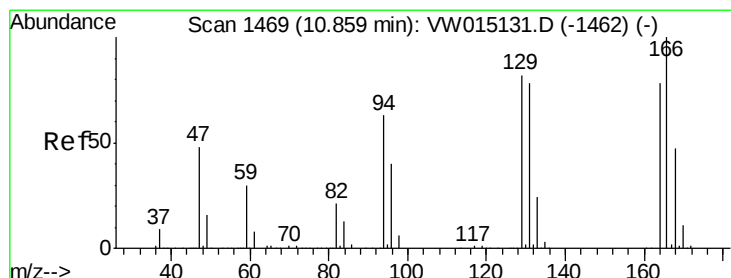
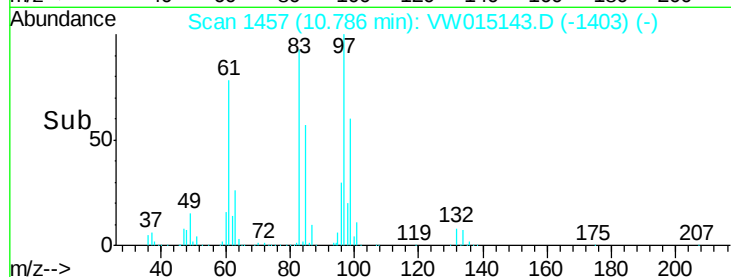
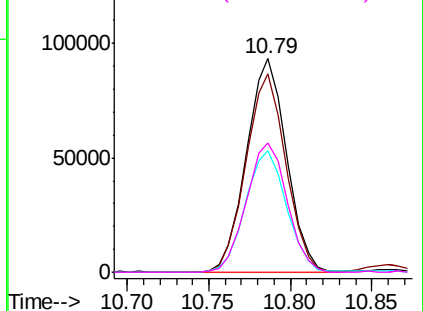


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.583 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Tgt Ion: 164 Resp: 154755

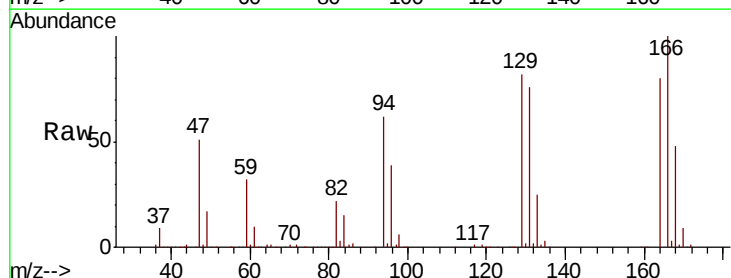
Ion Ratio Lower Upper

164 100

129 103.1 73.2 136.0

131 94.9 69.4 128.8

166 125.4 89.5 166.3

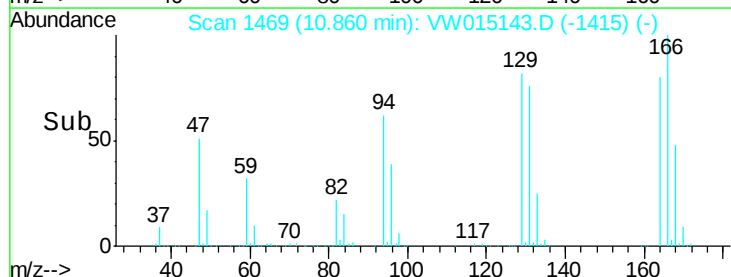
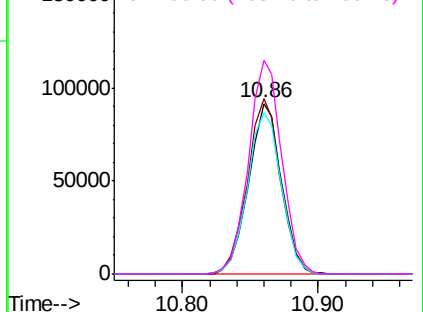


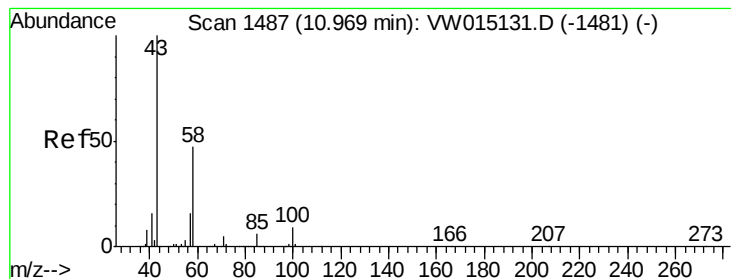
Abundance Ion 164.00 (163.70 to 164.70): V

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: 52.278 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 237286

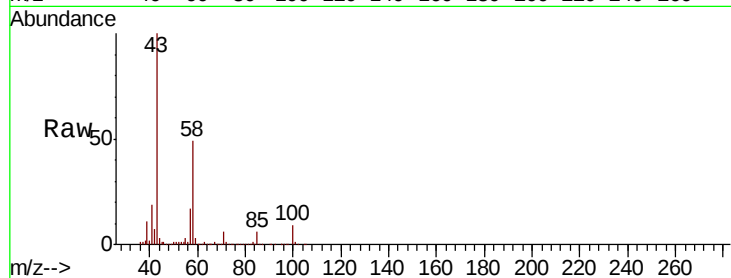
Ion Ratio Lower Upper

43 100

58 47.8 38.5 57.7

57 16.3 12.9 19.3

100 8.6 6.9 10.3

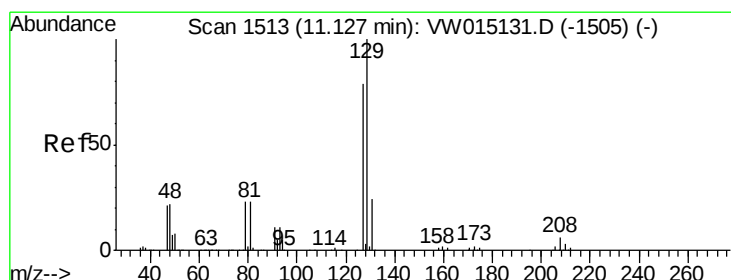
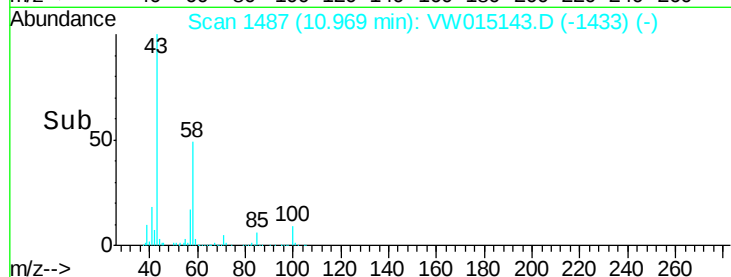
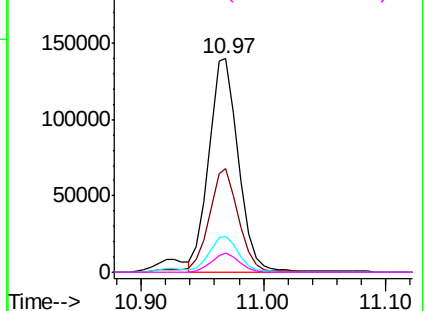


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 22.870 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015143.D

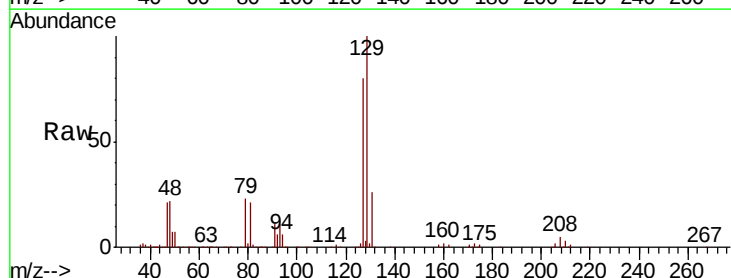
Acq: 26 Mar 2020 08:56

Tgt Ion: 129 Resp: 166258

Ion Ratio Lower Upper

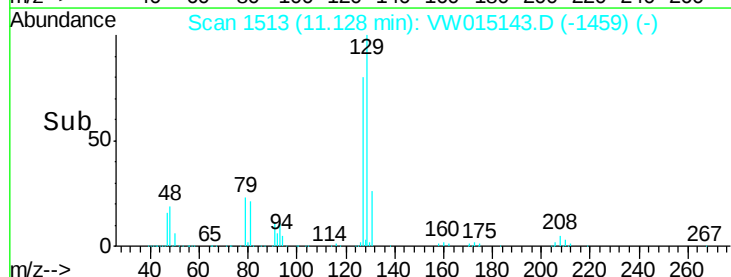
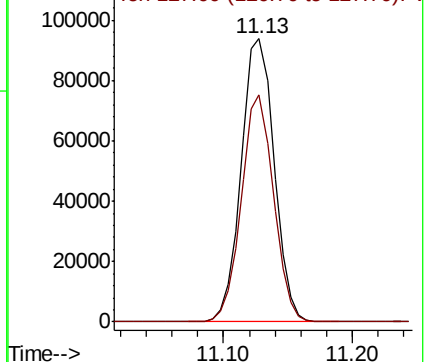
129 100

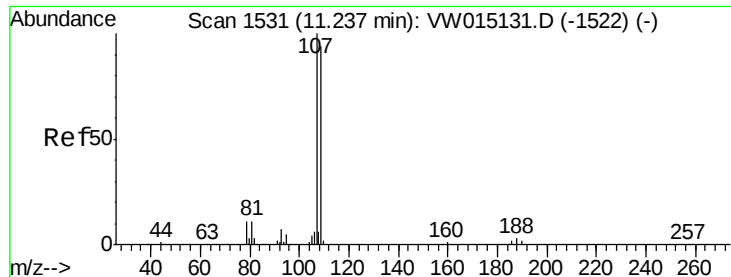
127 80.4 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

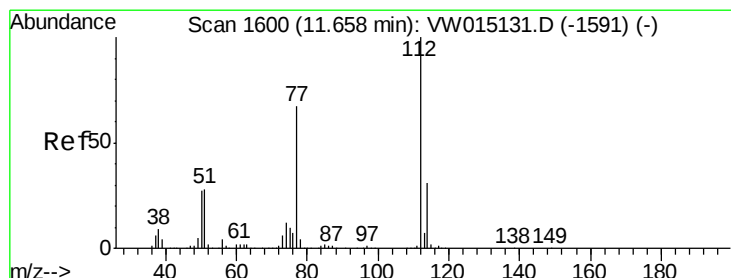
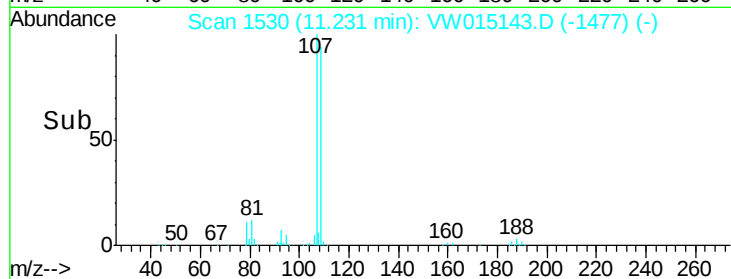
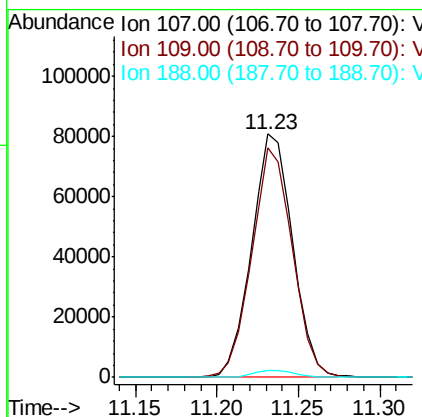
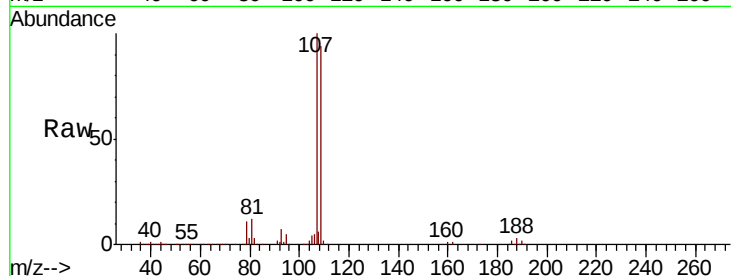




#51
 1,2-Dibromoethane
 Concen: 22.538 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

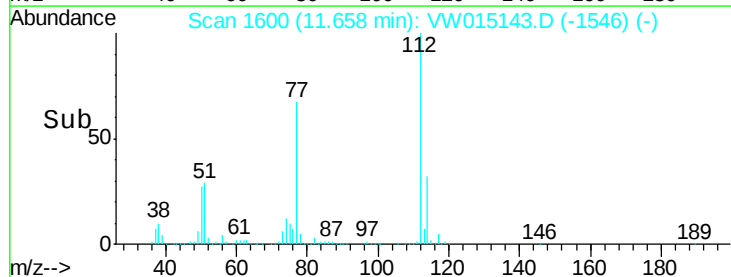
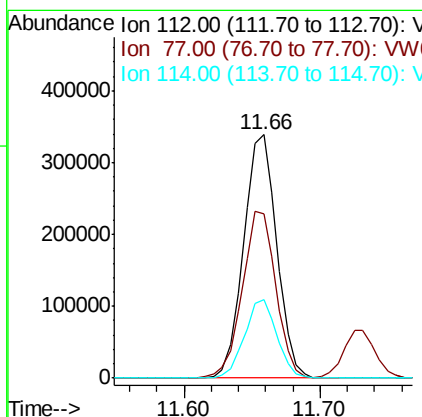
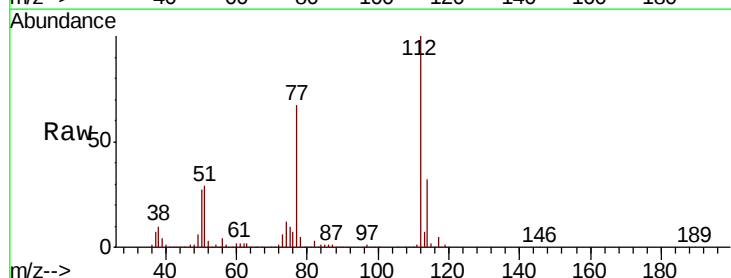
Instrument :
 MSVOA_W
 ClientSampleId :

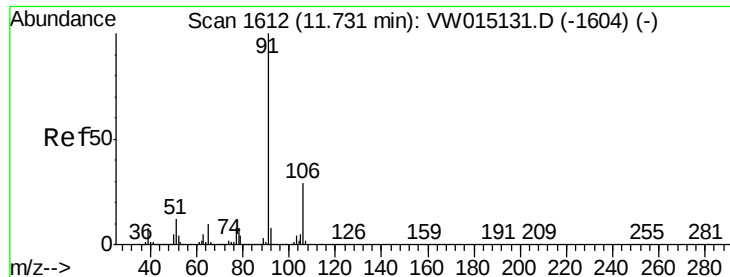
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.9	122.5
188	3.1	2.3	3.5



#52
 Chlorobenzene
 Concen: 22.924 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	67.3	53.5	80.3
114	32.0	22.0	40.8

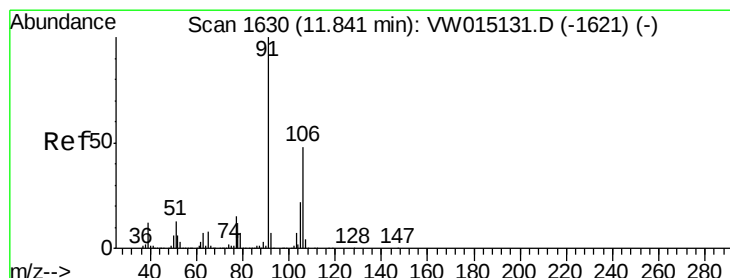
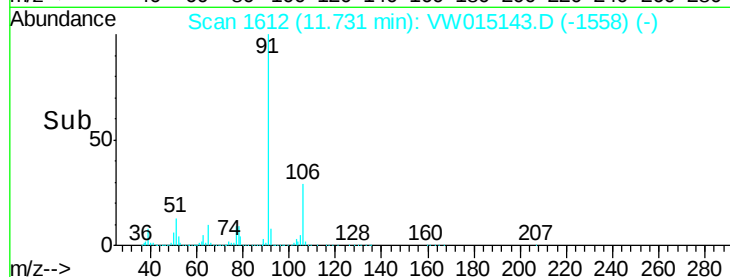
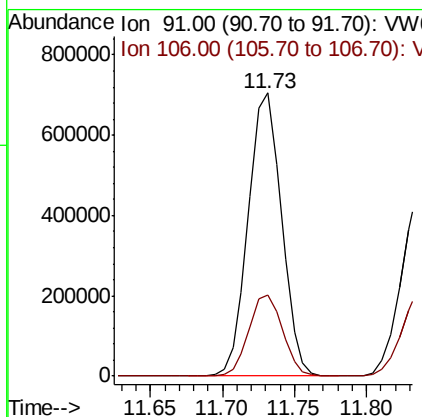
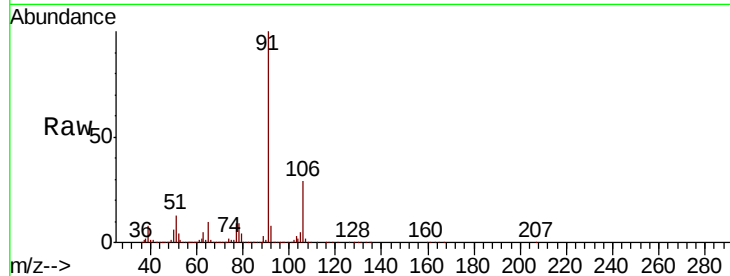




#53
Ethylbenzene
Concen: 24.302 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

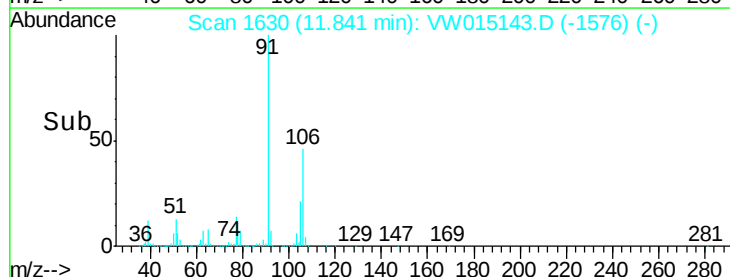
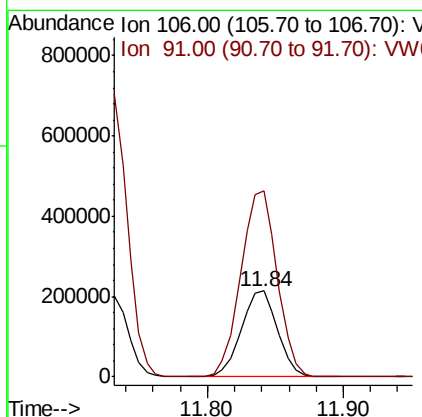
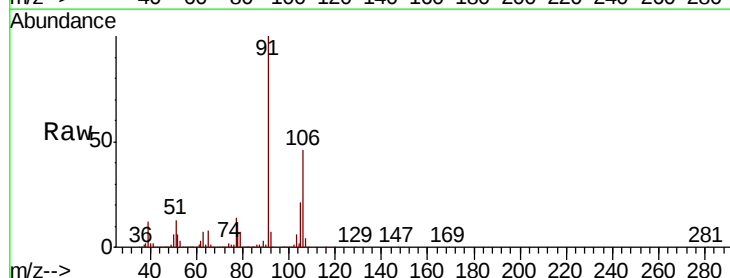
Instrument :
MSVOA_W
ClientSampled :

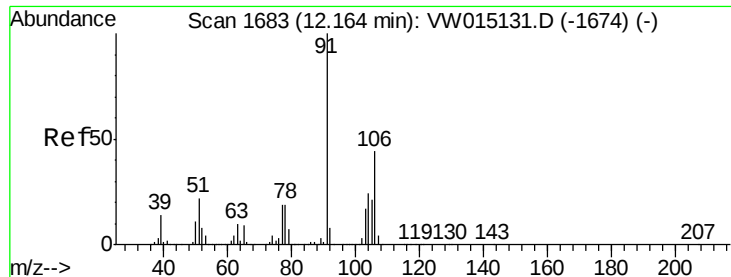
Tot Ion: 91 Resp: 1132185
Ion Ratio Lower Upper
91 100
106 28.7 20.6 38.2



#54
m,p-Xylene
Concen: 24.416 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015143.D
Acq: 26 Mar 2020 08:56

Tgt Ion: 106 Resp: 398780
Ion Ratio Lower Upper
106 100
91 216.7 147.3 273.6





#55

o-xylene

Concen: 24.250 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

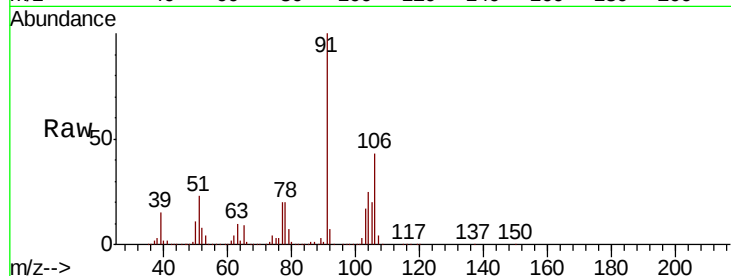
ClientSampled :

Tot Ion:106 Resp: 371303

Ion Ratio Lower Upper

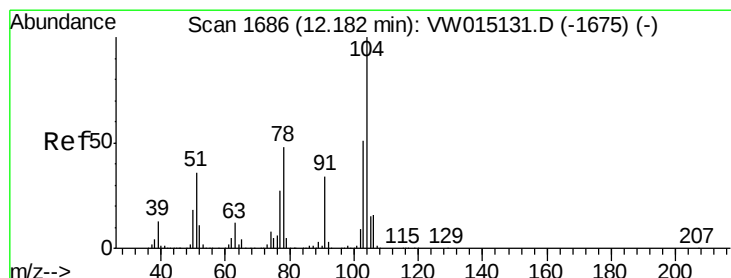
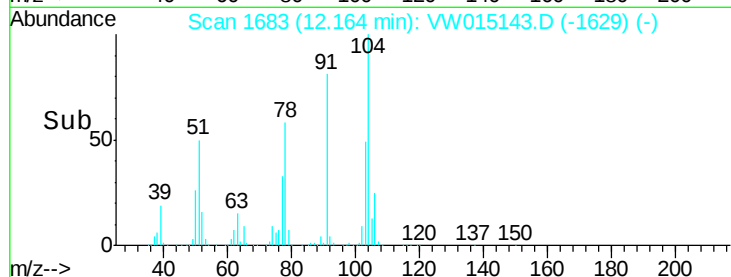
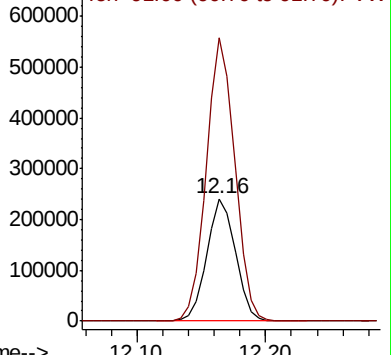
106 100

91 231.8 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.721 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015143.D

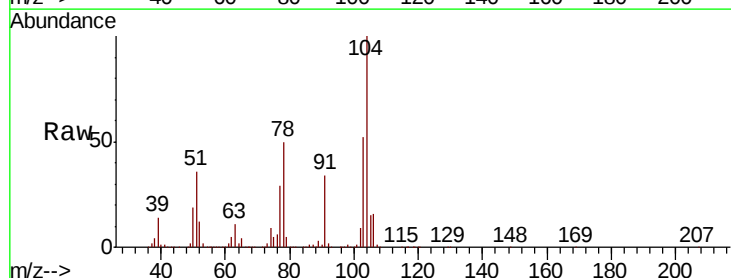
Acq: 26 Mar 2020 08:56

Tgt Ion:104 Resp: 644224

Ion Ratio Lower Upper

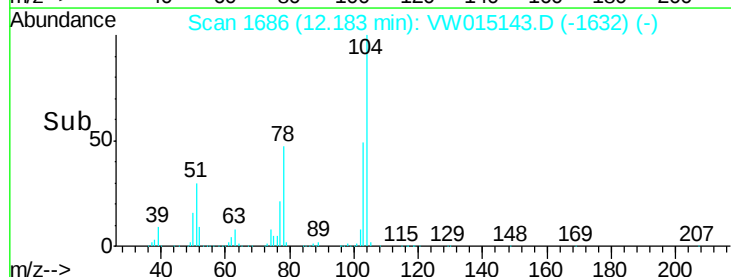
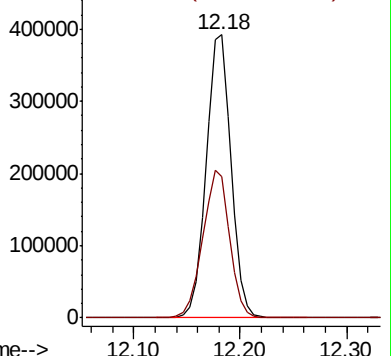
104 100

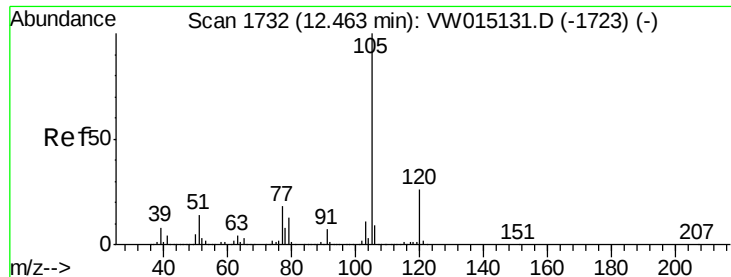
78 50.1 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.669 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

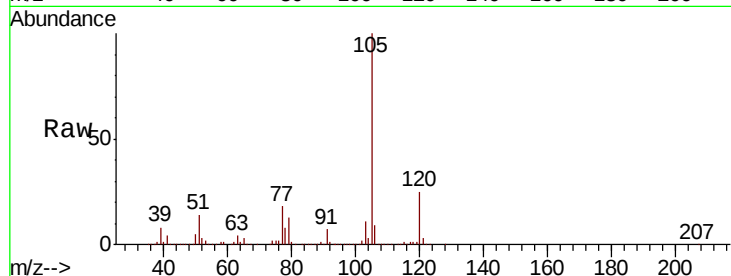
Tot Ion:105 Resp: 1040670

Ion Ratio Lower Upper

105 100

120 25.0 20.0 30.0

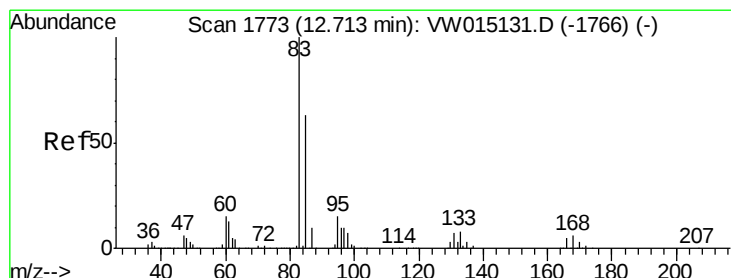
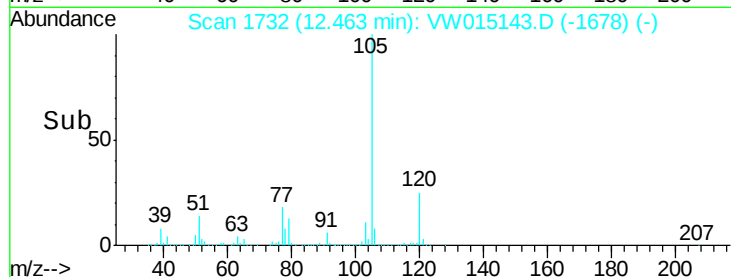
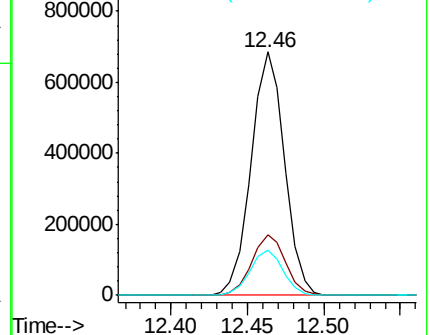
77 18.3 14.5 21.7



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: 22.501 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

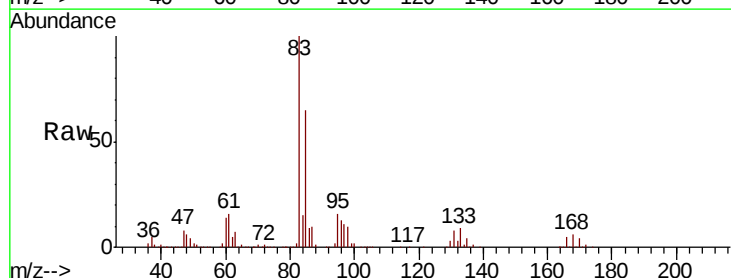
Tgt Ion: 83 Resp: 199142

Ion Ratio Lower Upper

83 100

85 65.5 44.1 81.9

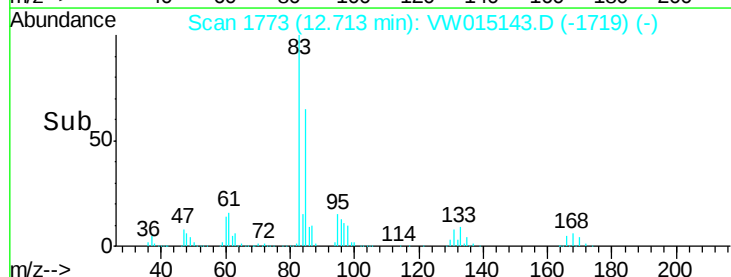
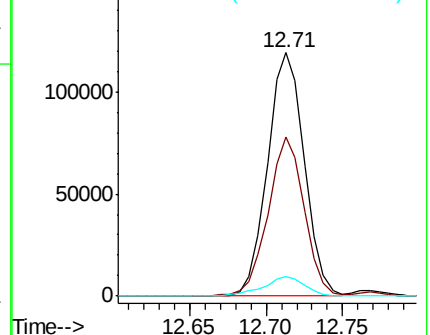
131 8.1 5.9 8.9

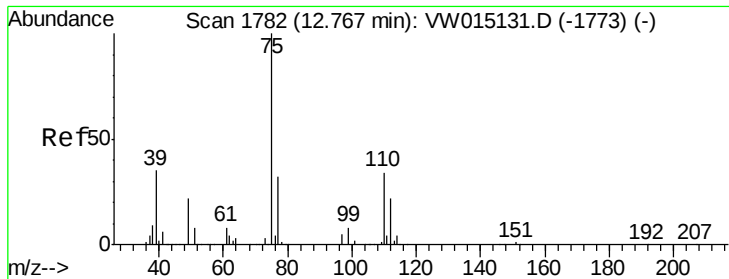


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.297 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

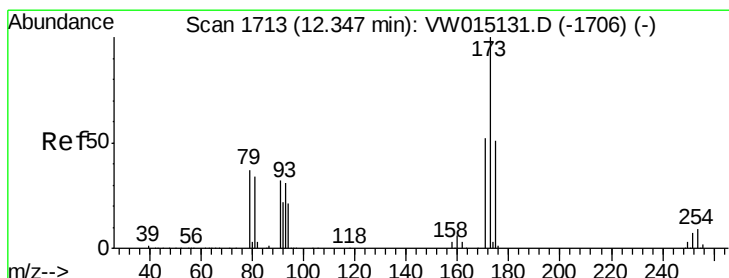
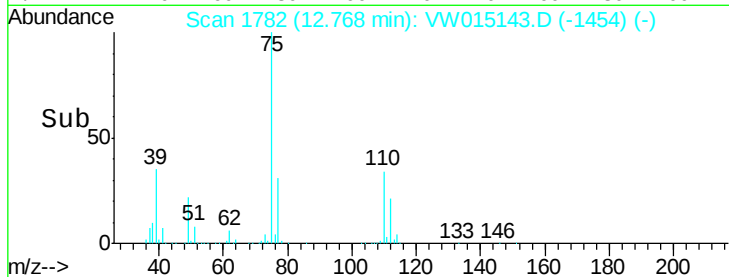
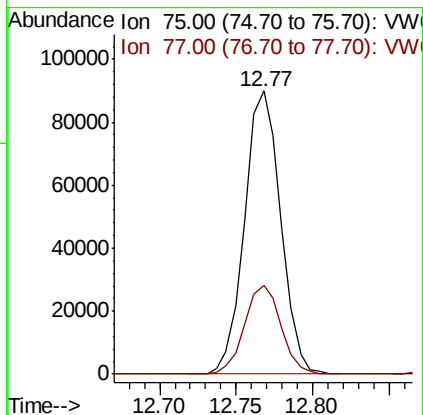
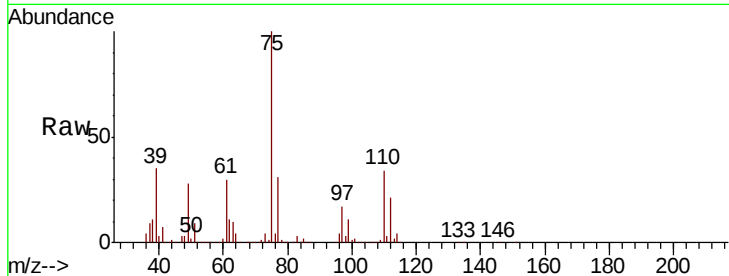
ClientSampleId :

Tot Ion: 75 Resp: 147602

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6



#62

Bromoform

Concen: 21.717 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

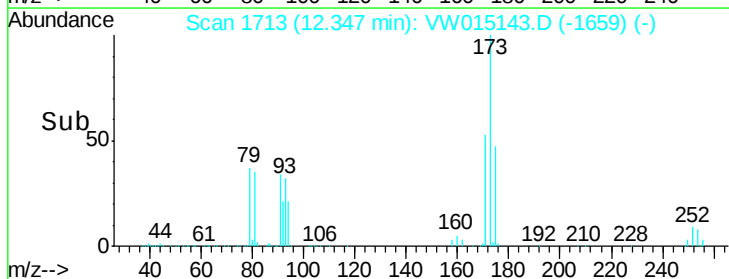
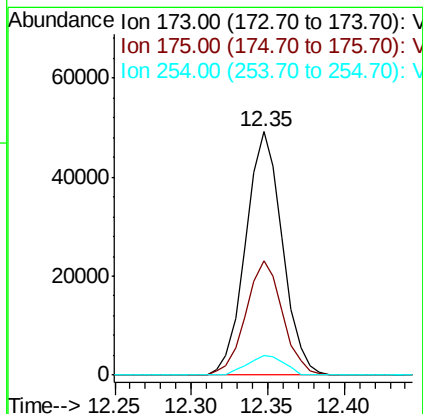
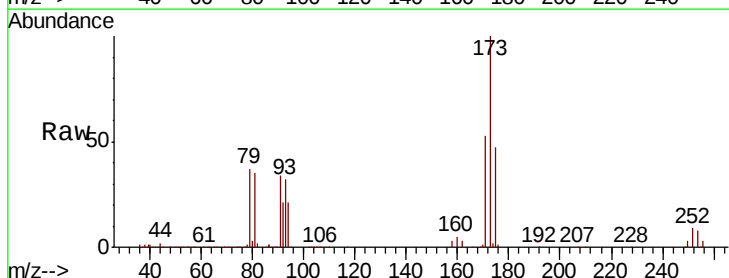
Tgt Ion: 173 Resp: 81785

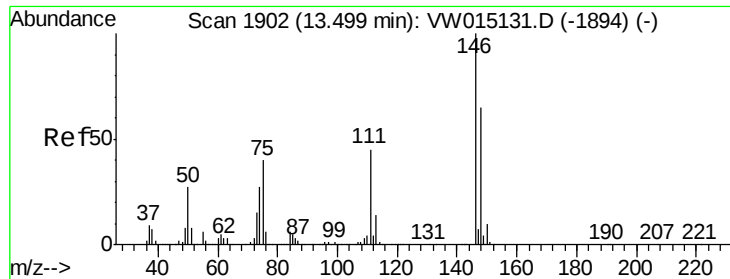
Ion Ratio Lower Upper

173 100

175 47.4 38.0 57.0

254 7.9 6.5 9.7

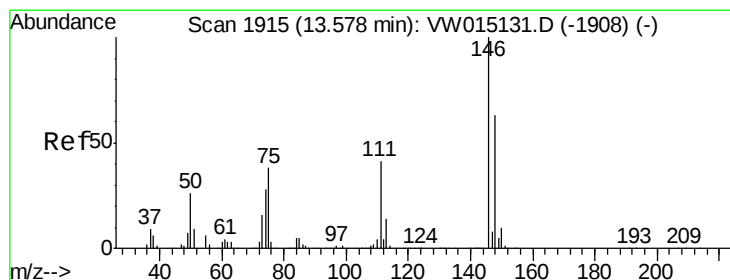
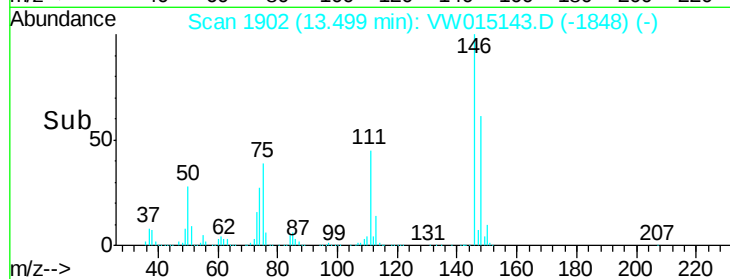
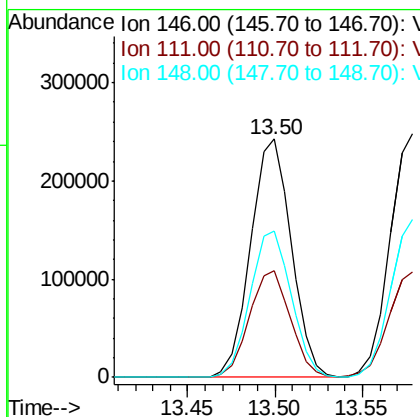
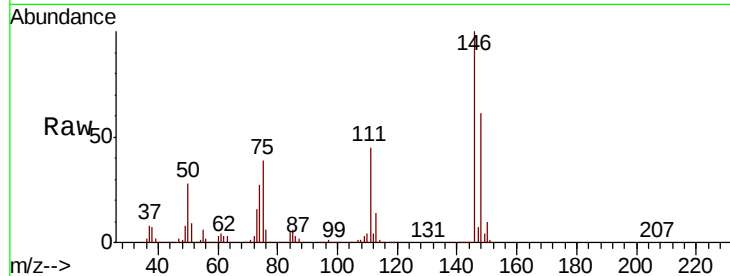




#63
 1,3-Dichlorobenzene
 Concen: 23.122 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

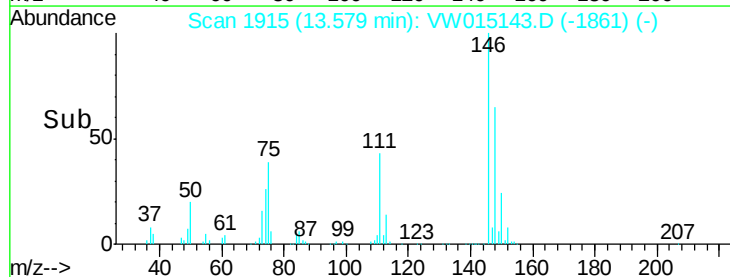
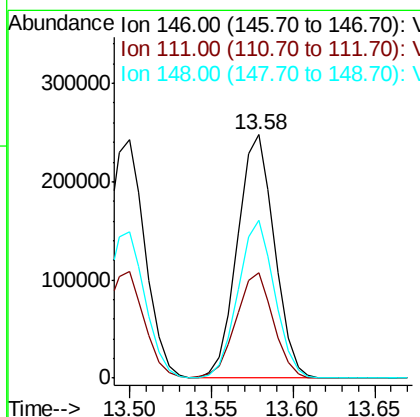
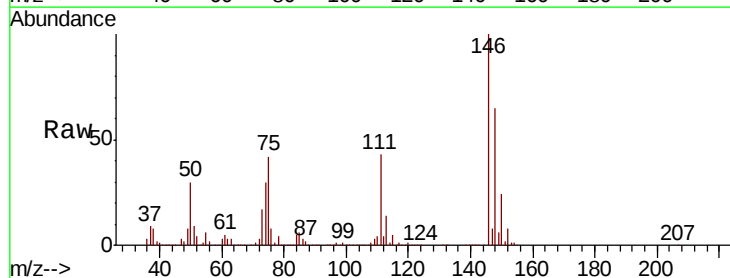
Instrument :
 MSVOA_W
 ClientSampleId :

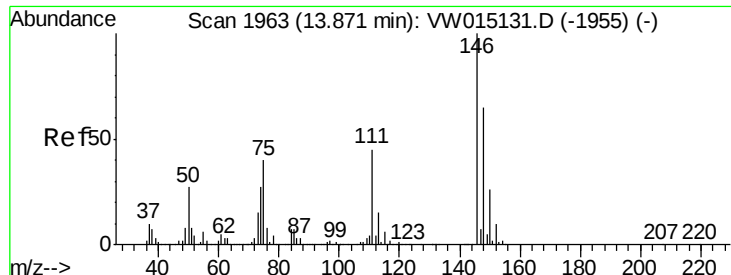
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	31.9	59.2
148	61.5	45.2	84.0



#64
 1,4-Dichlorobenzene
 Concen: 22.552 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	28.8	53.4
148	64.8	44.0	81.6

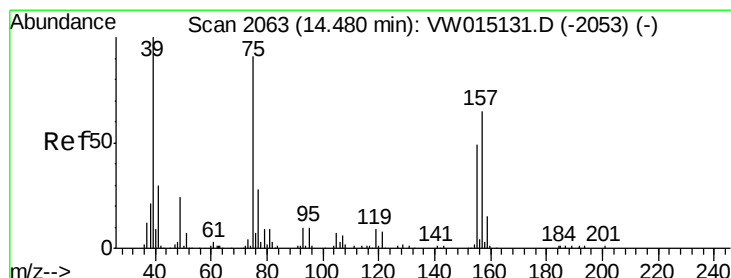
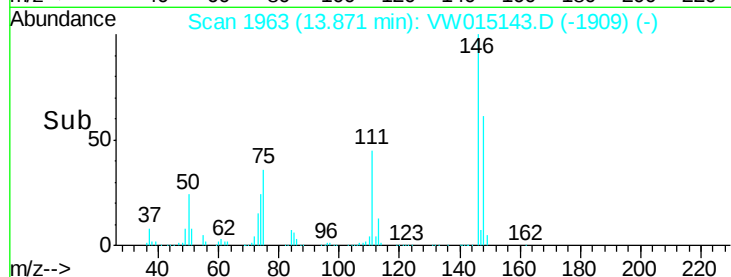
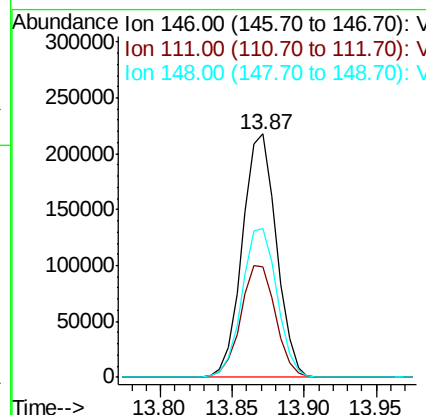
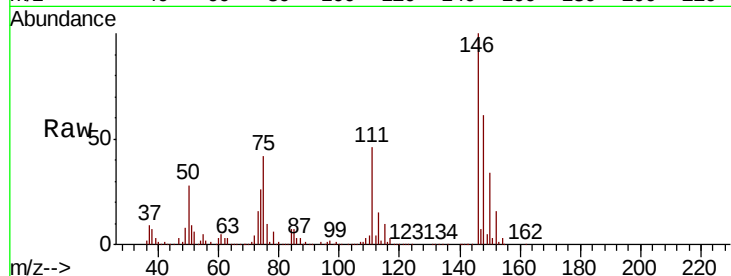




#65
 1,2-Dichlorobenzene
 Concen: 23.129 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

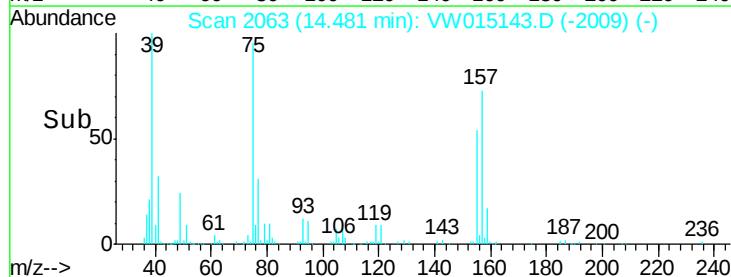
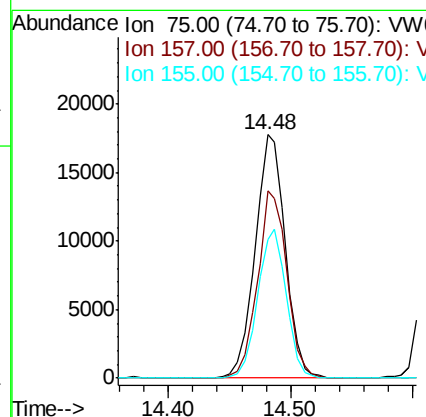
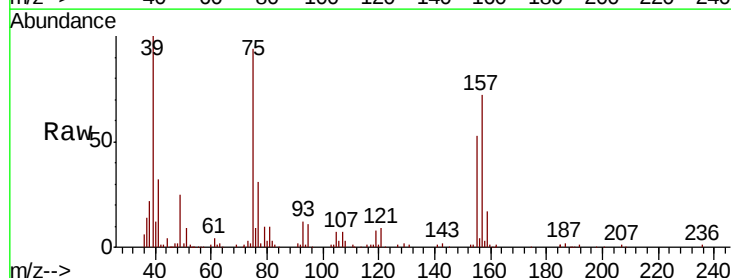
Instrument :
 MSVOA_W
 ClientSampleId :

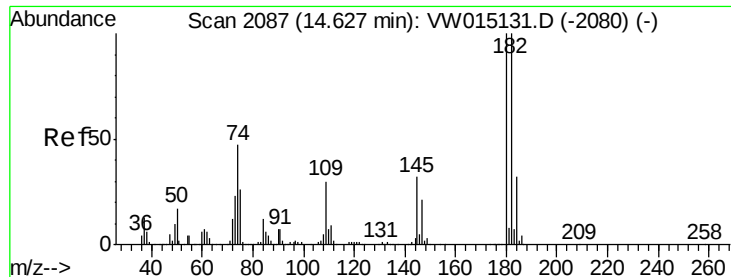
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	35.8	53.8
148	61.2	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.647 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Tgt Ion	Ratio	Lower	Upper
75	100		
157	76.8	57.3	85.9
155	56.8	43.2	64.8

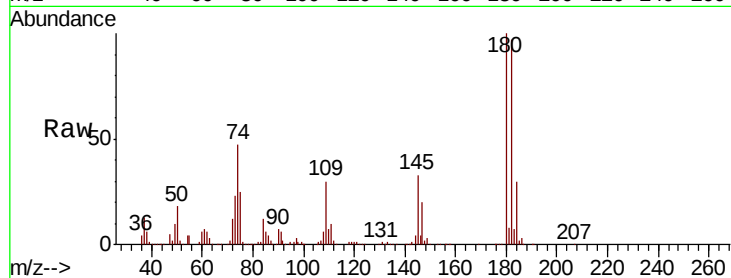




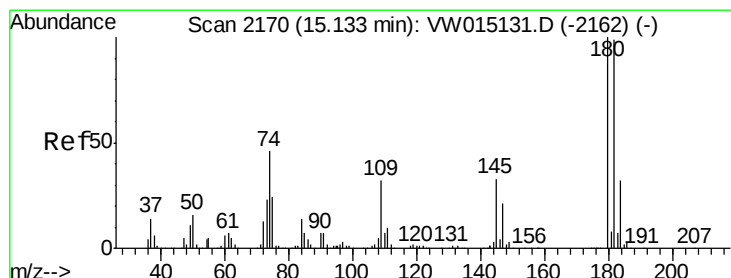
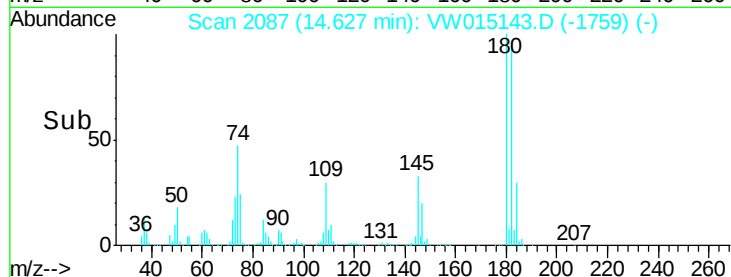
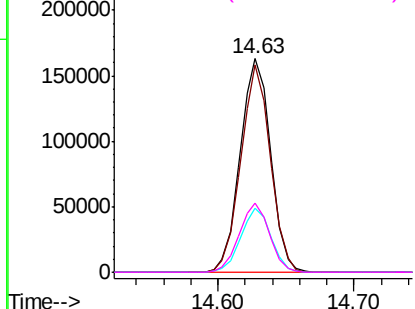
#67
 1,3,5-Trichlorobenzene
 Concen: 23.290 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 254554
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.6
 184 29.7 24.0 36.0
 145 32.1 25.4 38.2

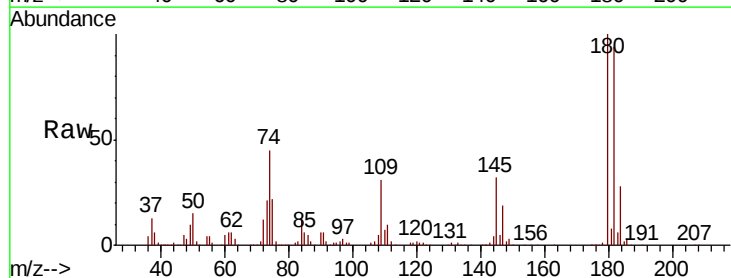


Abundance Ion 180.00 (179.70 to 180.70): V
 250000 Ion 182.00 (181.70 to 182.70): V
 200000 Ion 184.00 (183.70 to 184.70): V
 150000 Ion 145.00 (144.70 to 145.70): V
 100000
 50000
 0

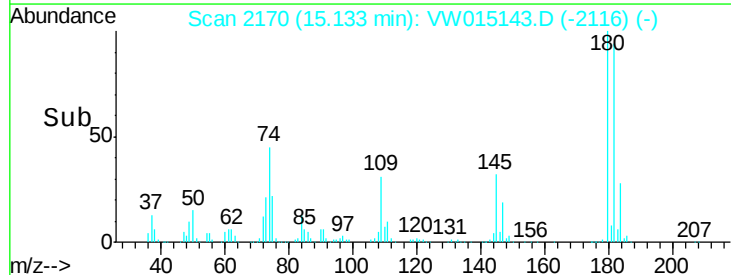
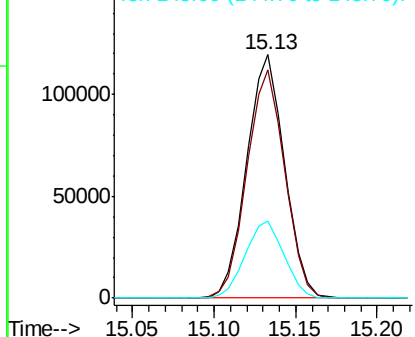


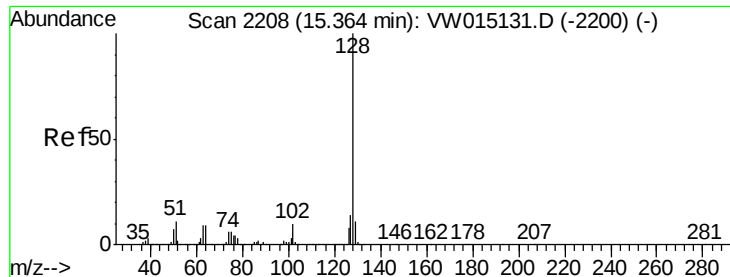
#68
 1,2,4-trichlorobenzene
 Concen: 23.477 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015143.D
 Acq: 26 Mar 2020 08:56

Tgt Ion:180 Resp: 193405
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.8 113.6
 145 32.6 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V
 150000 Ion 182.00 (181.70 to 182.70): V
 100000 Ion 145.00 (144.70 to 145.70): V
 50000
 0





#69

Naphthalene

Concen: 23.271 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

Instrument :

MSVOA_W

ClientSampled :

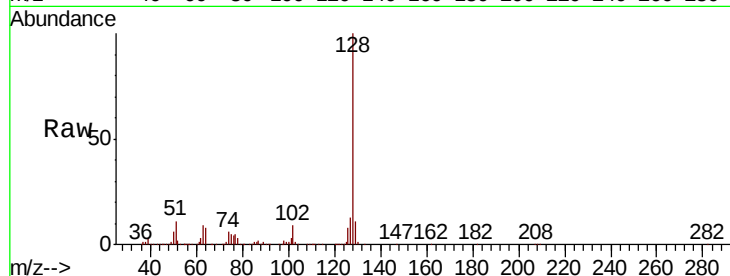
Tot Ion:128 Resp: 372740

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

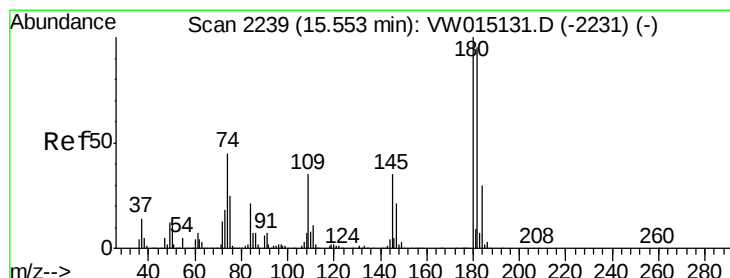
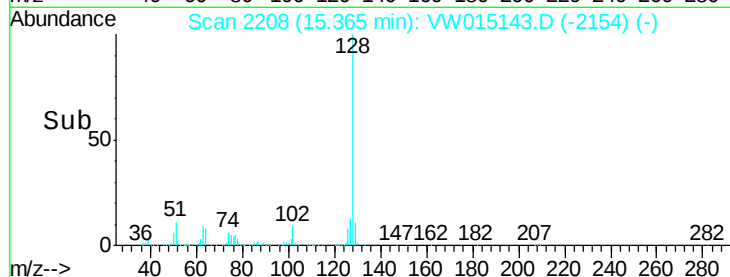
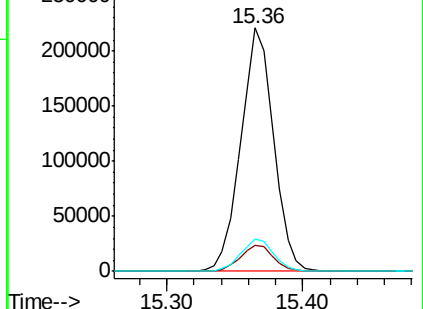
127 13.4 11.0 16.4



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: 22.805 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015143.D

Acq: 26 Mar 2020 08:56

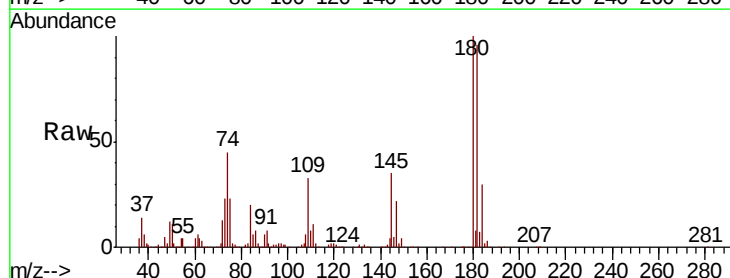
Tgt Ion:180 Resp: 174580

Ion Ratio Lower Upper

180 100

182 93.2 75.9 113.9

145 34.9 27.6 41.4



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

