

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052220\
 Data File : VW015462.D
 Acq On : 22 May 2020 19:46
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 23 03:57:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 23 03:53:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	338264	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	311068	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156481	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	86904	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.16%
7) Chloroethane-d5	2.90	69	88783	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.04%
10) 1,1-Dichloroethene-d2	4.02	63	199266	23.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.60%
20) 2-Butanone-d5	7.08	46	57603	50.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.92%
24) Chloroform-d	7.65	84	217101	25.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.64%
26) 1,2-Dichloroethane-d4	8.31	65	120107	25.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.44%
29) Benzene-d6	8.27	84	420602	24.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.84%
33) 1,2-Dichloropropane-d6	9.27	67	126761	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.32%
37) Toluene-d8	10.32	98	398860	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.58	79	56476	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
39) 2-Hexanone-d5	10.93	63	47929	50.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98753	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	138120	25.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	56069	18.887	ug/L 93
3) Chloromethane	2.21	50	63970	20.138	ug/L 99
5) Vinyl chloride	2.37	62	108061	21.894	ug/L 100
6) Bromomethane	2.79	94	73713	21.708	ug/L 100
8) Chloroethane	2.93	64	72367	21.936	ug/L 96
9) Trichlorofluoromethane	3.26	101	77529	21.547	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	98810	24.647	ug/L 96
12) 1,1-Dichloroethene	4.04	96	97051	23.920	ug/L 95
13) Acetone	4.12	43	40412	47.209	ug/L 99
14) Carbon disulfide	4.38	76	283105	22.464	ug/L 99
15) Methyl Acetate	4.67	43	45881	24.505	ug/L 97
16) Methylene chloride	4.92	84	107910	22.275	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	176538	26.764	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	109111	24.954	ug/L 97
19) 1,1-Dichloroethane	6.21	63	206044	25.020	ug/L 99
21) 2-Butanone	7.17	43	64993	50.501	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	121188	25.716	ug/L 97

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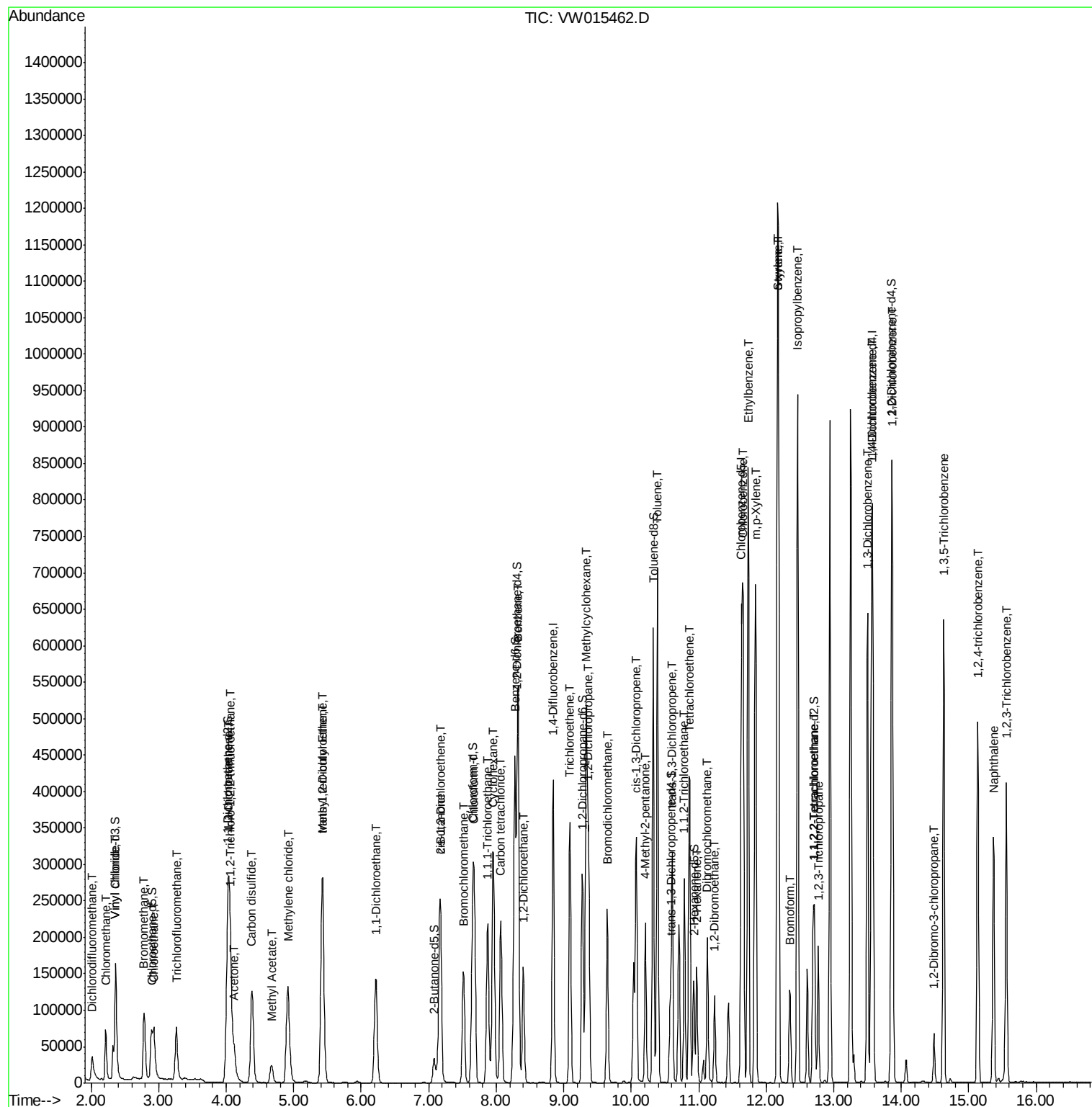
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51794	26.370	ug/L	97
25) Chloroform	7.68	83	212167	26.060	ug/L	100
27) 1,2-Dichloroethane	8.40	62	145139	26.199	ug/L	99
30) Cyclohexane	7.96	56	185629	22.813	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	179439	25.704	ug/L	100
32) Carbon tetrachloride	8.07	117	160759	25.304	ug/L	100
34) Benzene	8.32	78	455933	25.053	ug/L	100
35) Trichloroethene	9.09	95	121001	24.811	ug/L	98
36) Methylcyclohexane	9.34	83	205810	23.767	ug/L	99
40) 1,2-Dichloropropane	9.37	63	115948	25.494	ug/L	100
41) Bromodichloromethane	9.65	83	155417	25.888	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	186990	25.460	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	142622	46.805	ug/L	99
44) Toluene	10.39	91	501044	25.191	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	162554	25.397	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	83720	26.256	ug/L	97
47) Tetrachloroethene	10.87	164	94610	25.860	ug/L	98
49) 2-Hexanone	10.97	43	98591	51.350	ug/L	98
50) Dibromochloromethane	11.13	129	99229	25.724	ug/L	100
51) 1,2-Dibromoethane	11.24	107	79796	26.224	ug/L	98
52) Chlorobenzene	11.66	112	320825	25.567	ug/L	99
53) Ethylbenzene	11.73	91	580740	25.035	ug/L	99
54) m,p-Xylene	11.84	106	217886	25.142	ug/L	100
55) o-xylene	12.16	106	210751	25.278	ug/L	94
56) Styrene	12.18	104	363518	25.537	ug/L	99
57) Isopropylbenzene	12.46	105	580078	25.187	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	101272	26.700	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	74658	25.916	ug/L	99
62) Bromoform	12.35	173	57799	25.009	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	254659	25.593	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	246008	24.834	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	227849	26.031	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	17235	24.429	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	185337	27.089	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	149500	26.464	ug/L	99
69) Naphthalene	15.36	128	286722	27.045	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	135456	27.831	ug/L	98

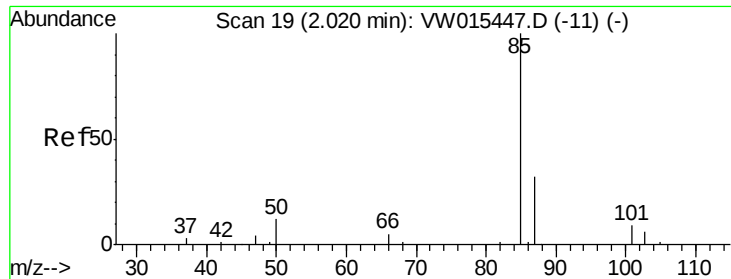
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.887 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

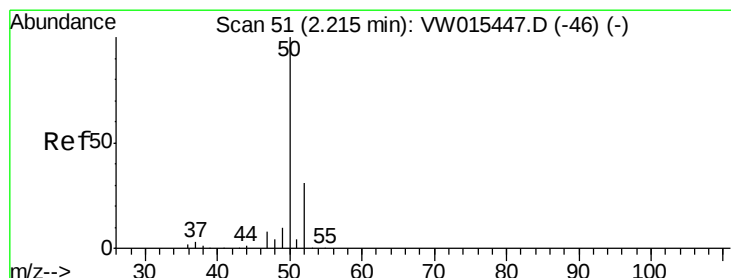
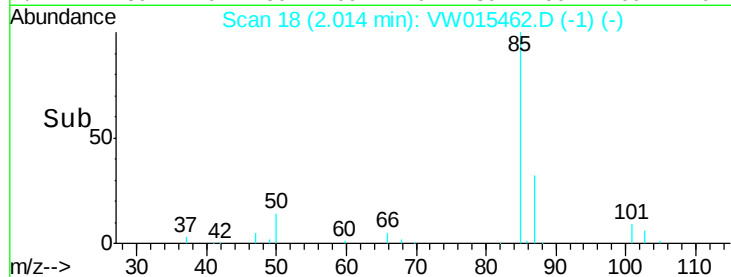
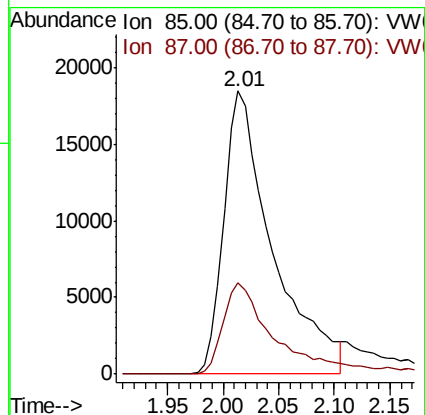
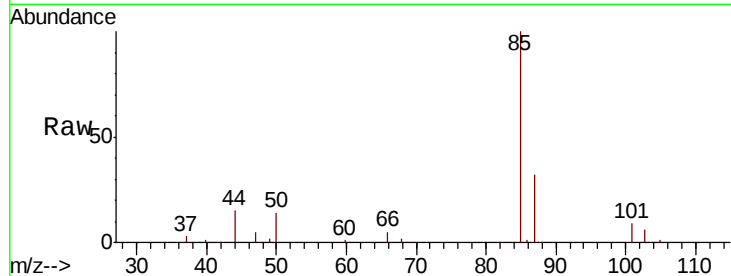
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 56069

Ion Ratio Lower Upper

85 100

87 34.3 21.3 39.5



#3

Chloromethane

Concen: 20.138 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015462.D

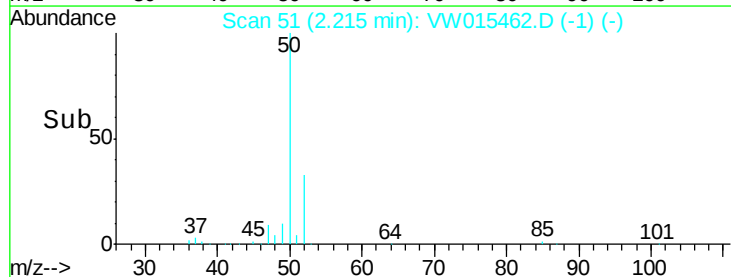
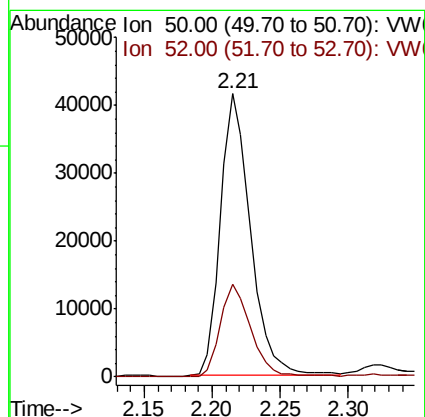
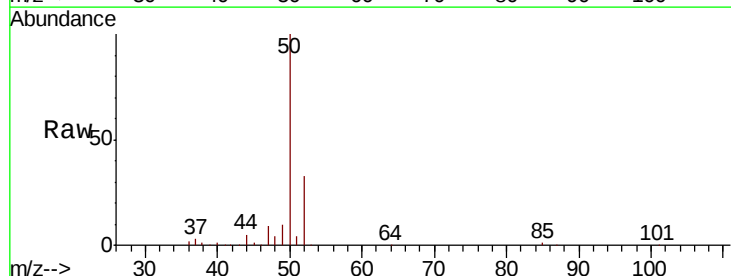
Acq: 22 May 2020 19:46

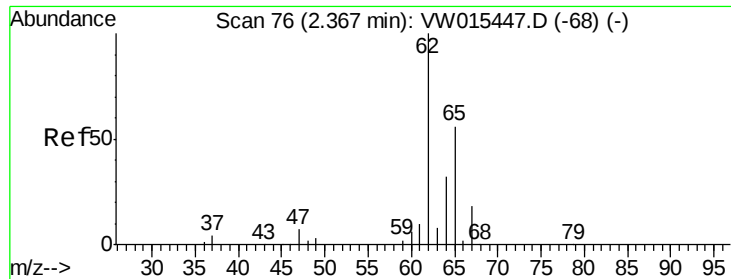
Tgt Ion: 50 Resp: 63970

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.0





#5

Vinyl chloride

Concen: 21.894 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

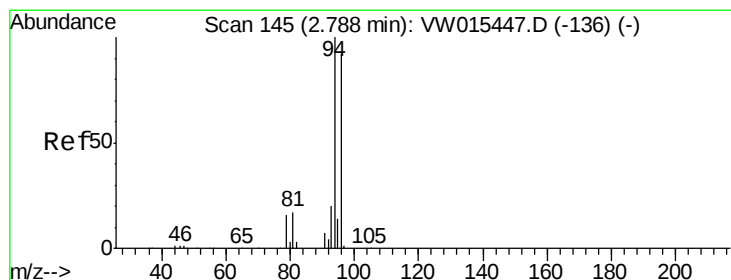
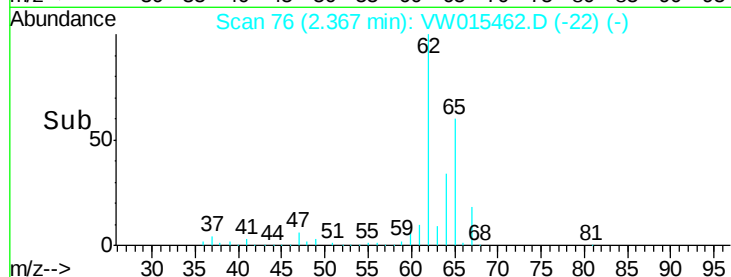
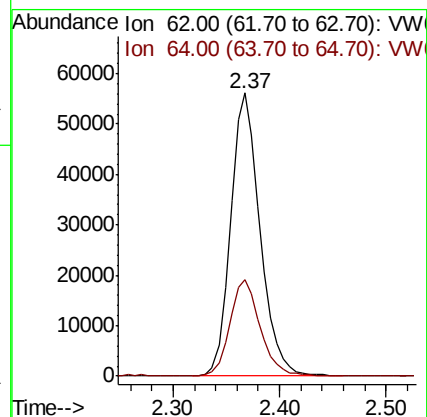
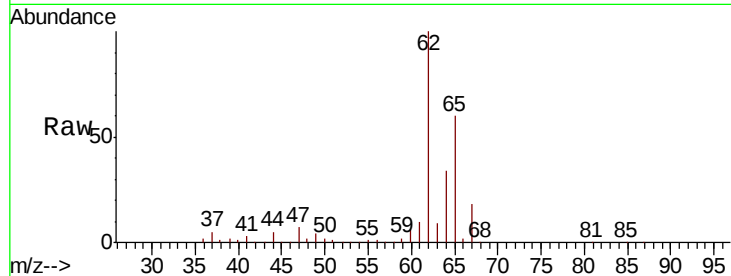
ClientSampled :

Tot Ion: 62 Resp: 108061

Ion Ratio Lower Upper

62 100

64 34.1 23.7 44.1



#6

Bromomethane

Concen: 21.708 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015462.D

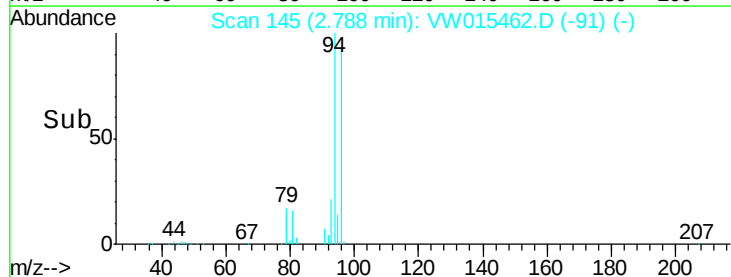
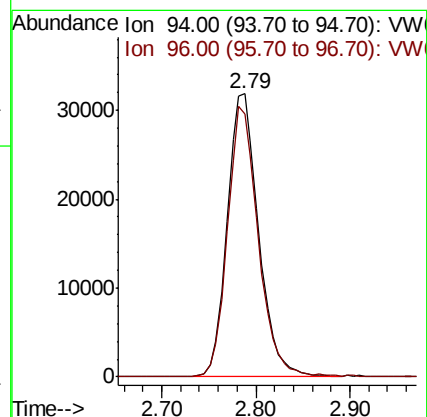
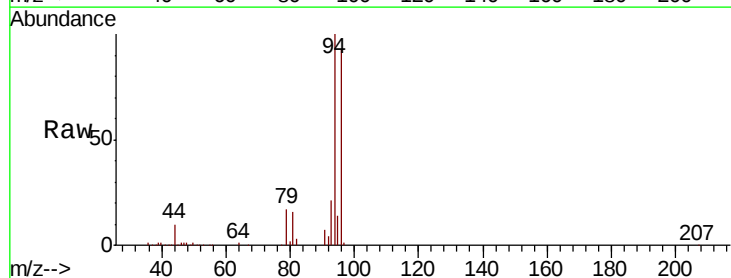
Acq: 22 May 2020 19:46

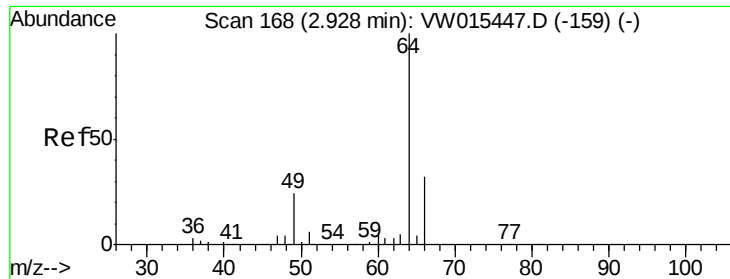
Tgt Ion: 94 Resp: 73713

Ion Ratio Lower Upper

94 100

96 93.7 9.3 177.7





#8

Chloroethane

Concen: 21.936 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

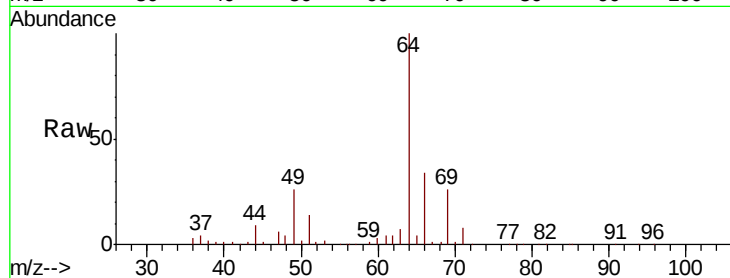
ClientSampled :

Tot Ion: 64 Resp: 72367

Ion Ratio Lower Upper

64 100

66 34.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

30000

25000

20000

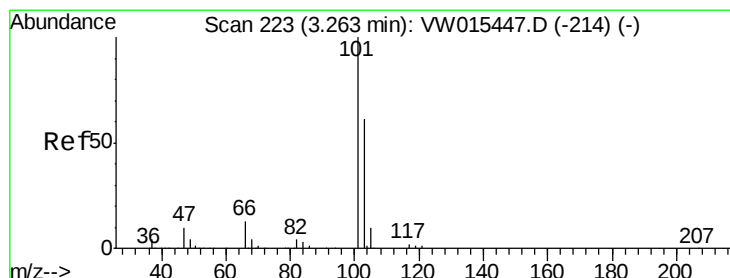
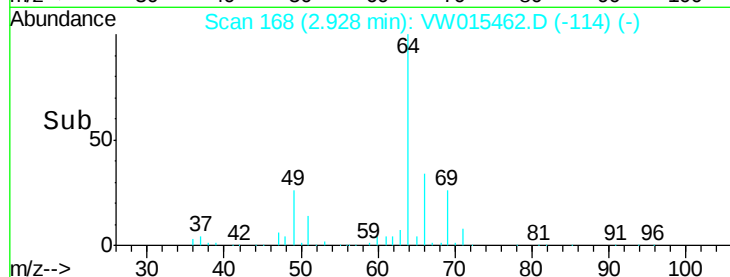
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 21.547 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015462.D

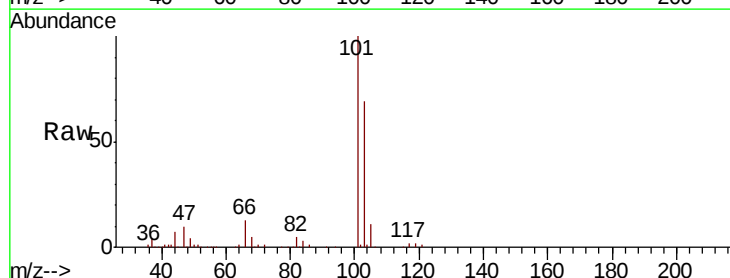
Acq: 22 May 2020 19:46

Tgt Ion:101 Resp: 77529

Ion Ratio Lower Upper

101 100

103 65.6 45.5 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

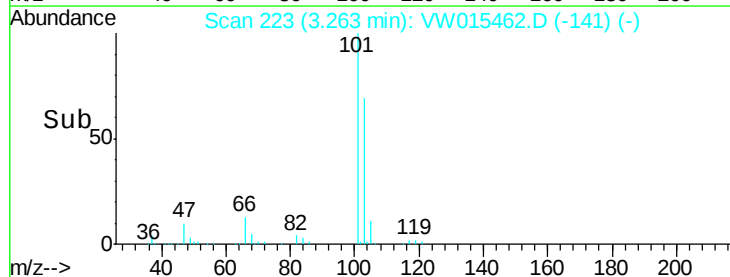
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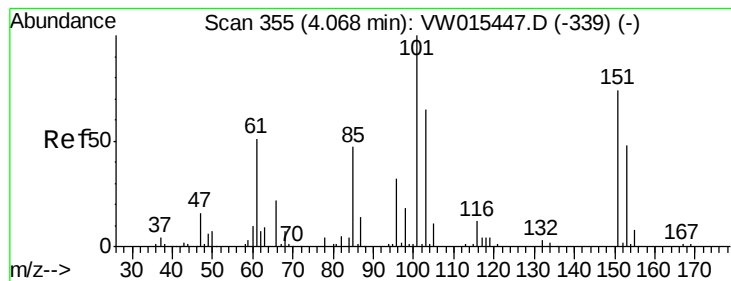
20000

10000

0

Time-->





#11

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

Concen: 24.647 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

ClientSampleId :

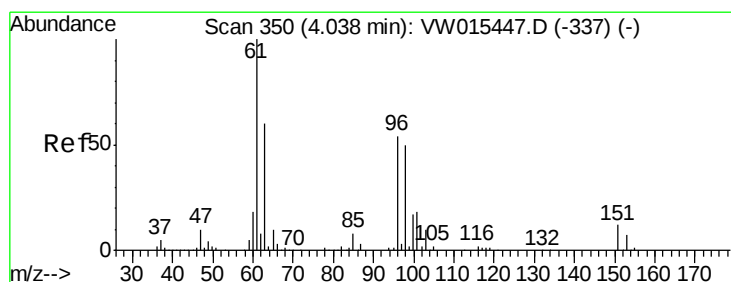
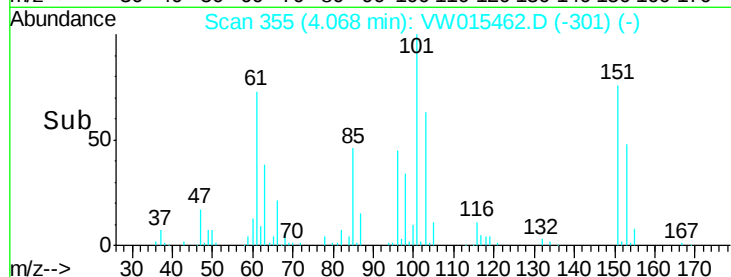
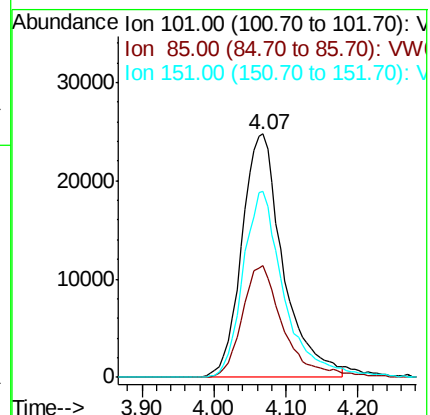
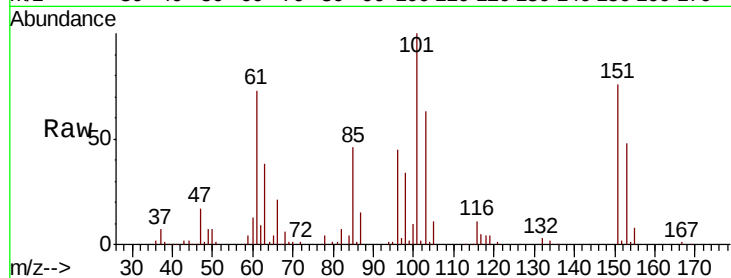
Tot Ion:101 Resp: 98810

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

151 75.7 57.1 85.7



#12

1,1-Dichloroethene

Concen: 23.920 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

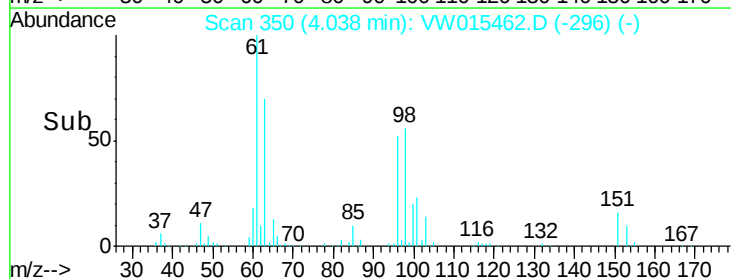
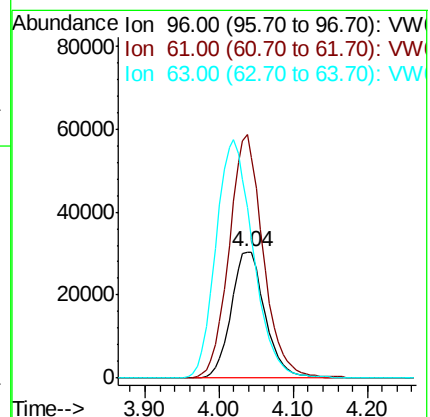
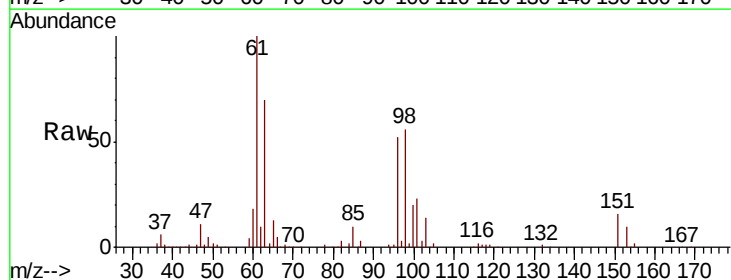
Tgt Ion: 96 Resp: 97051

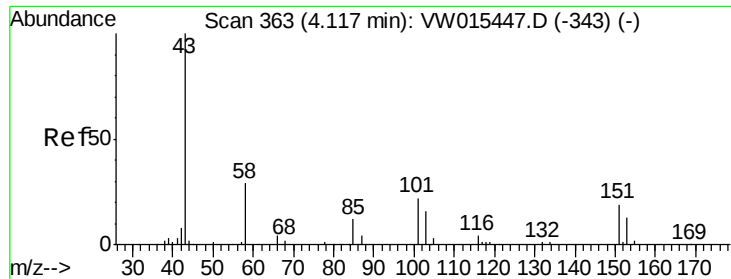
Ion Ratio Lower Upper

96 100

61 193.3 135.9 252.5

63 135.4 104.4 194.0

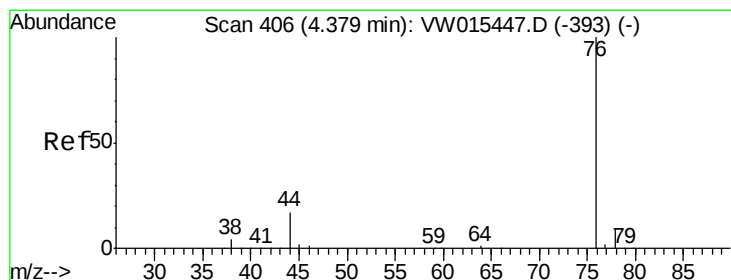
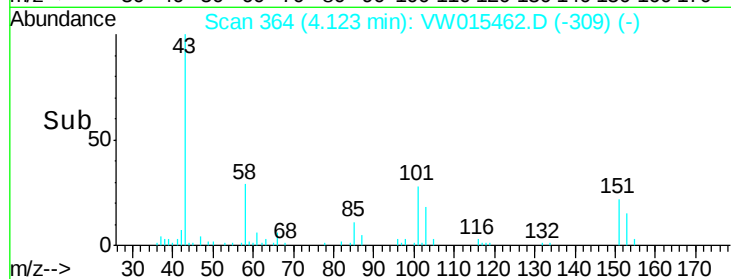
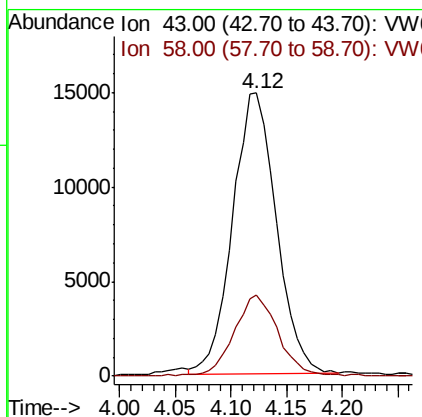
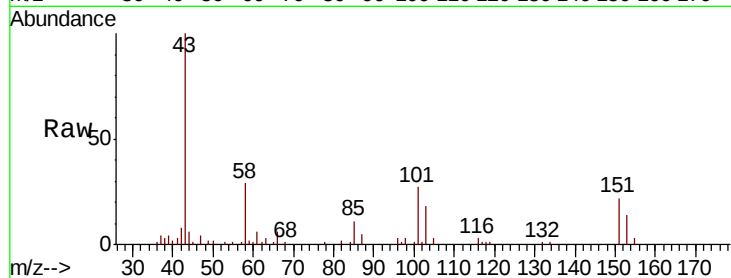




#13
Acetone
Concen: 47.209 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

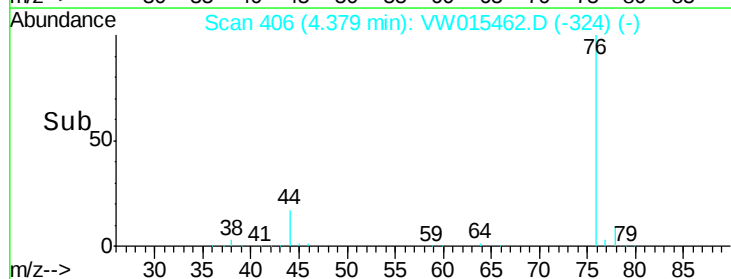
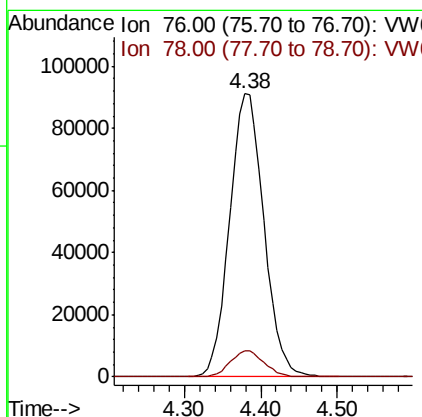
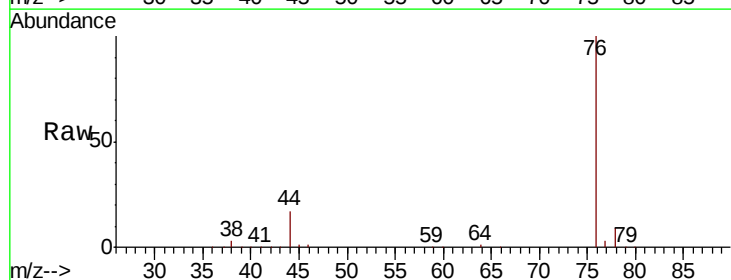
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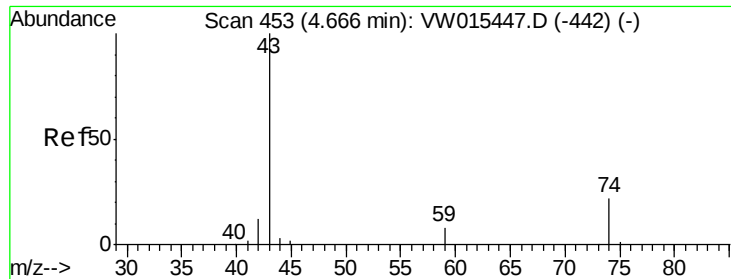
Tot Ion: 43 Resp: 40412
Ion Ratio Lower Upper
43 100
58 29.2 0.0 57.0



#14
Carbon disulfide
Concen: 22.464 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Tgt Ion: 76 Resp: 283105
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4





#15

Methvl Acetate

Concen: 24.505 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

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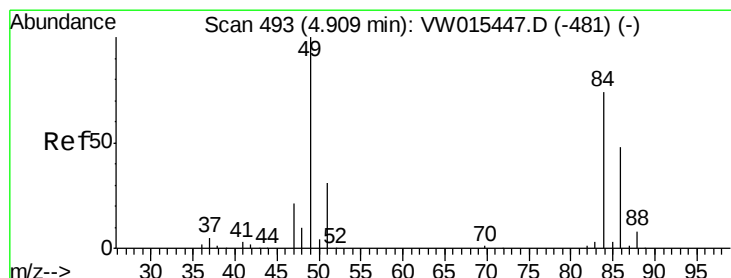
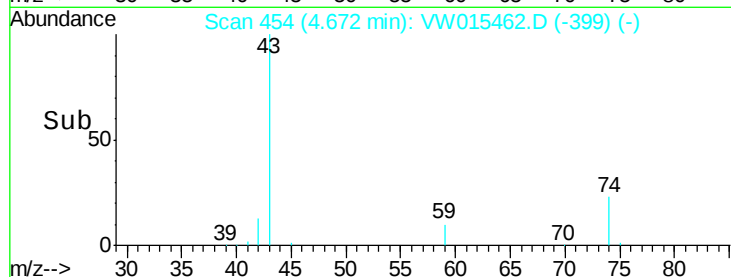
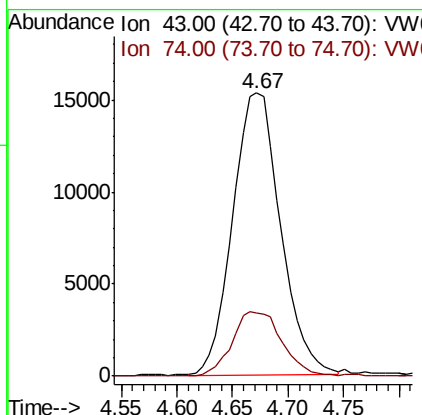
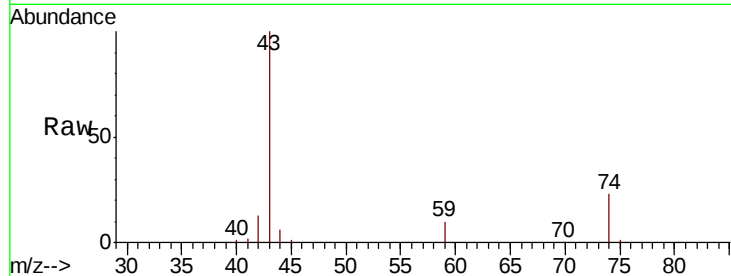
ClientSampleId :

Tot Ion: 43 Resp: 45881

Ion Ratio Lower Upper

43 100

74 23.8 17.8 26.6



#16

Methylene chloride

Concen: 22.275 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

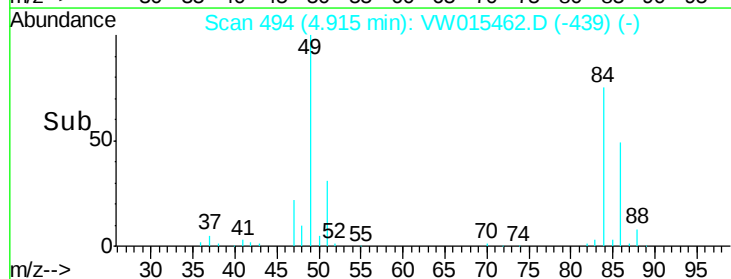
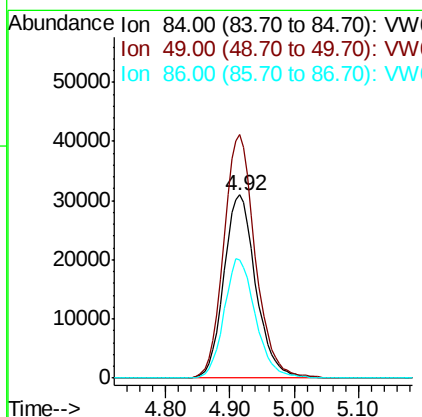
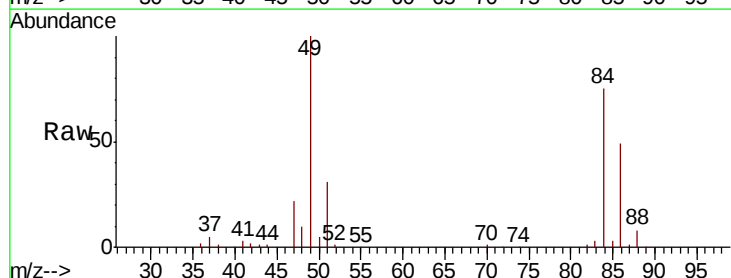
Tgt Ion: 84 Resp: 107910

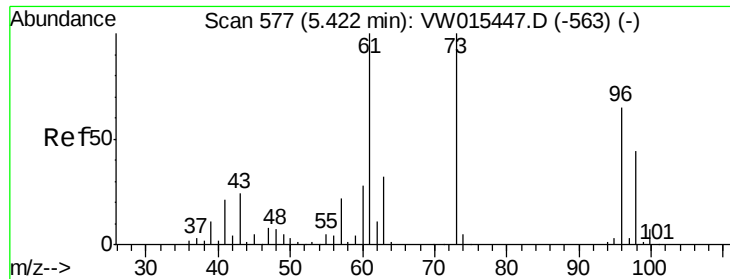
Ion Ratio Lower Upper

84 100

49 132.8 91.6 170.2

86 64.8 44.0 81.8

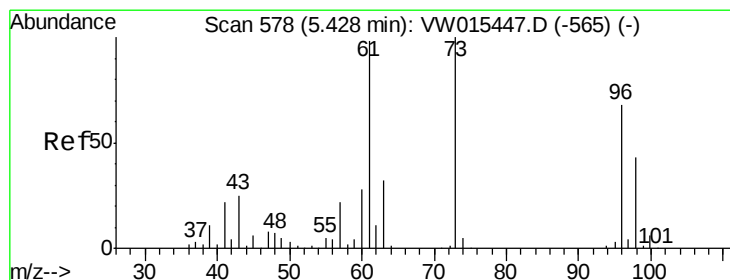
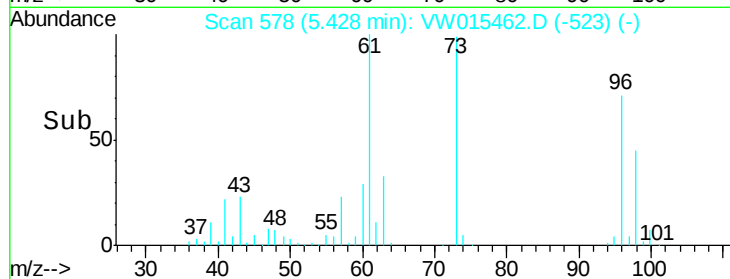
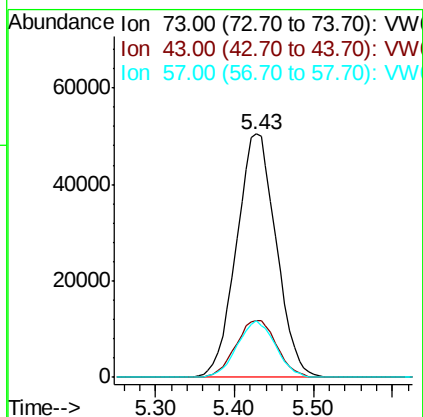
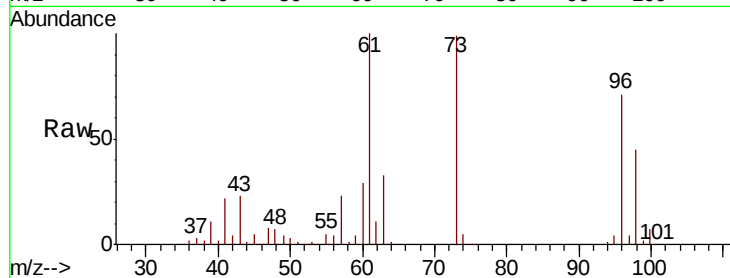




#17
Methvl tert-butvl Ether
Concen: 26.764 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

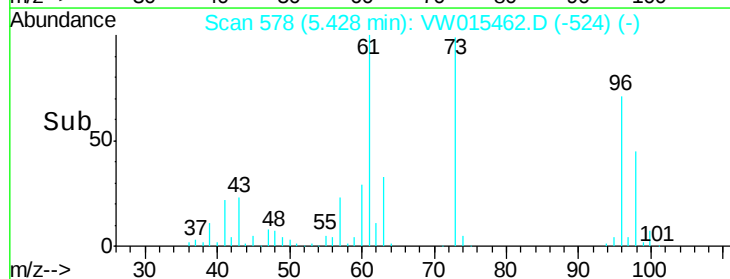
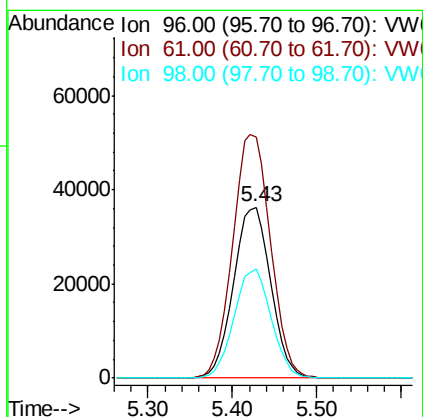
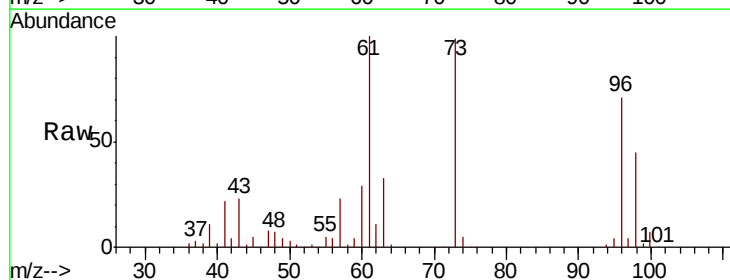
Instrument :
MSVOA_W
ClientSampleId :

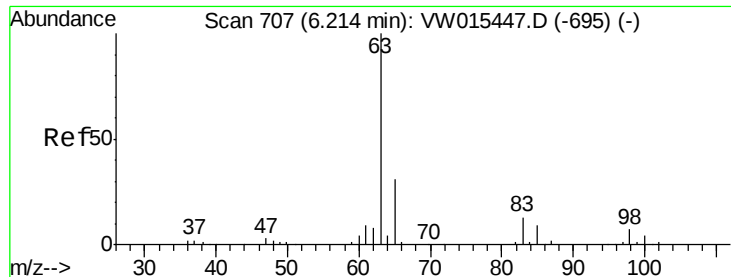
Tot Ion: 73 Resp: 176538
Ion Ratio Lower Upper
73 100
43 24.3 19.3 28.9
57 22.4 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 24.954 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Tgt Ion: 96 Resp: 109111
Ion Ratio Lower Upper
96 100
61 141.1 101.1 187.7
98 63.6 42.4 78.8

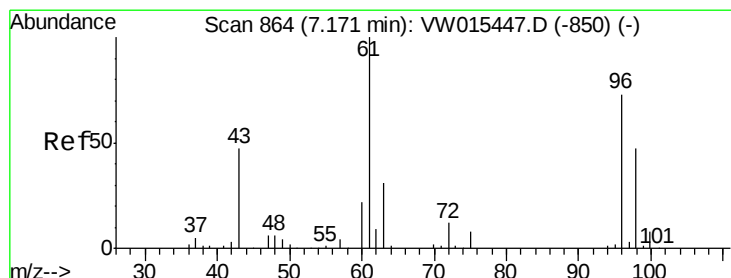
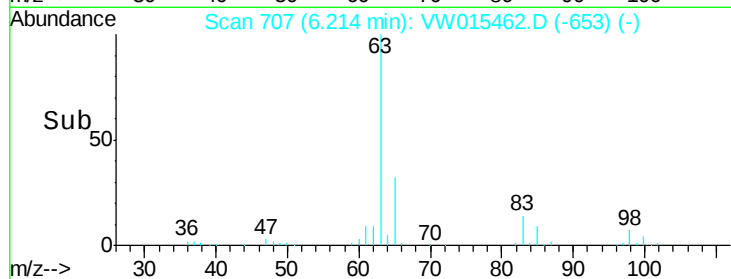
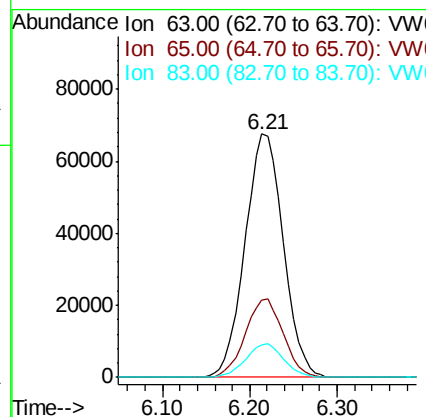
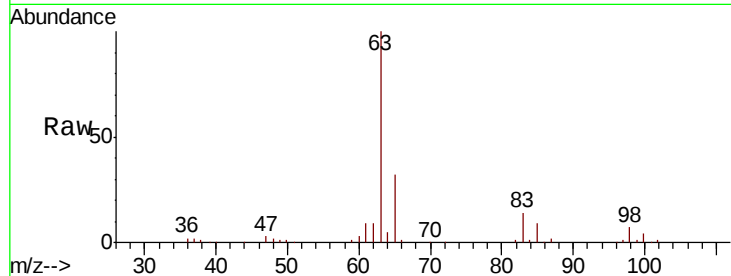




#19
 1,1-Dichloroethane
 Concen: 25.020 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

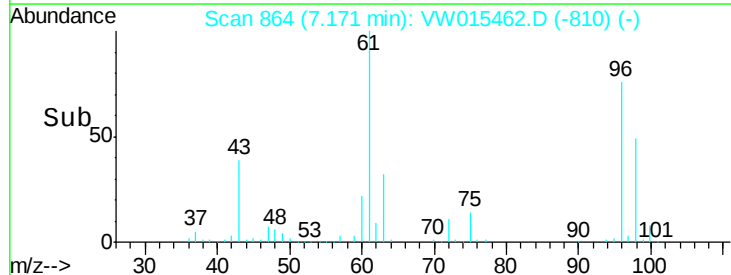
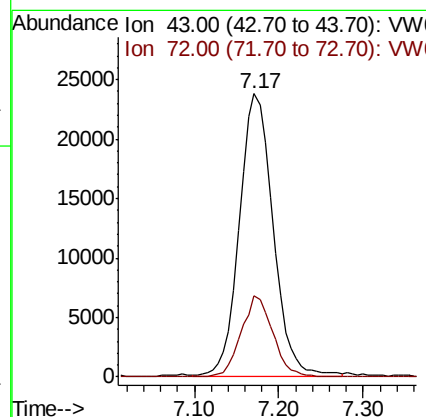
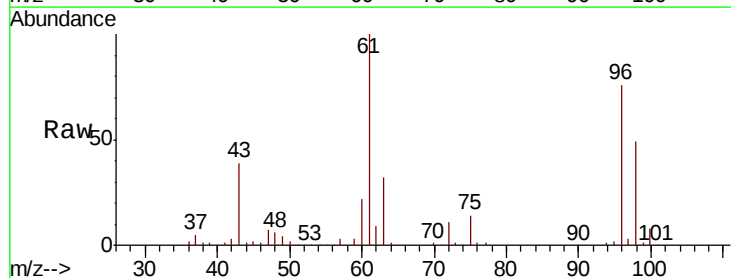
Instrument :
 MSVOA_W
 ClientSampleId :

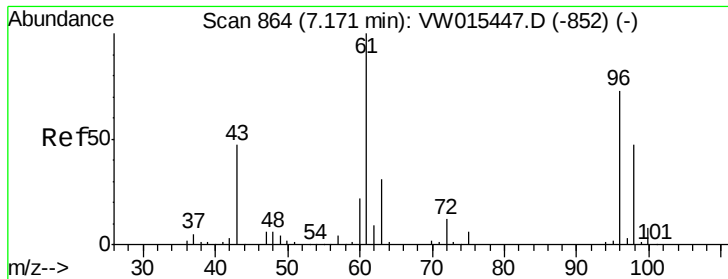
Tot Ion: 63 Resp: 206044
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.6 42.0
 83 13.5 9.1 16.9



#21
 2-Butanone
 Concen: 50.501 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion: 43 Resp: 64993
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.6 40.8



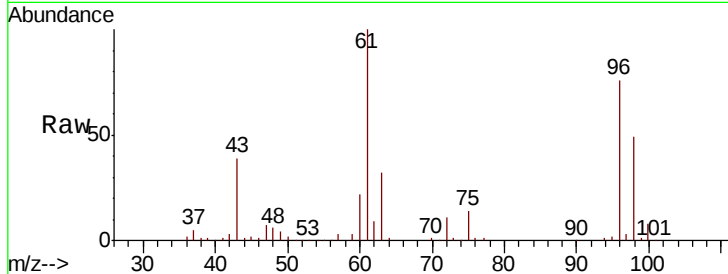


#22

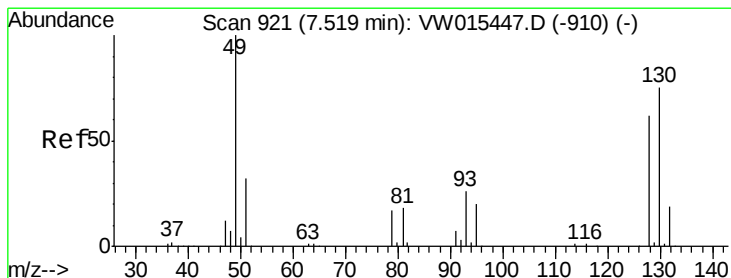
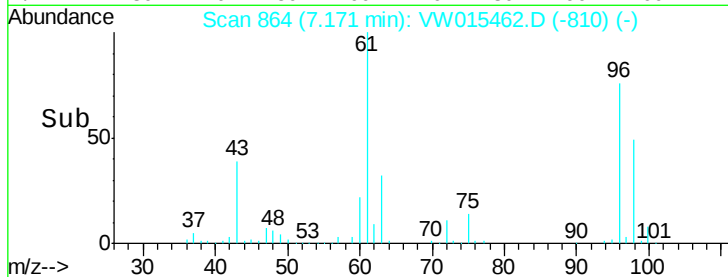
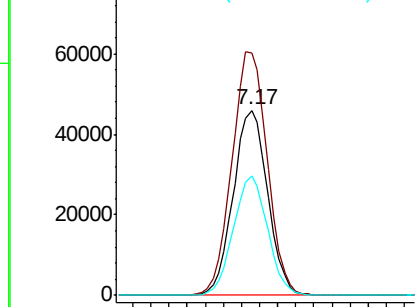
cis-1,2-Dichloroethene
Concen: 25.716 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 121188
Ion Ratio Lower Upper
96 100
61 131.3 95.8 178.0
98 65.0 45.9 85.3



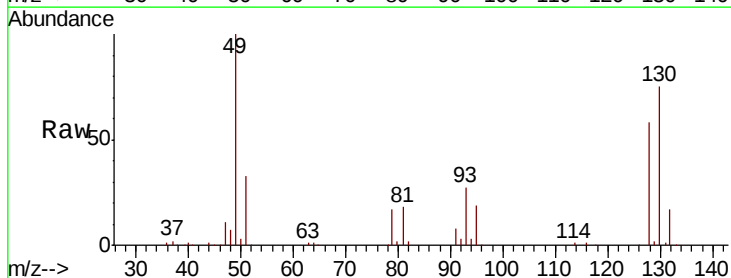
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



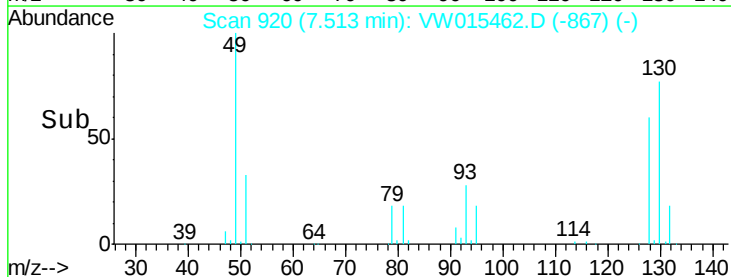
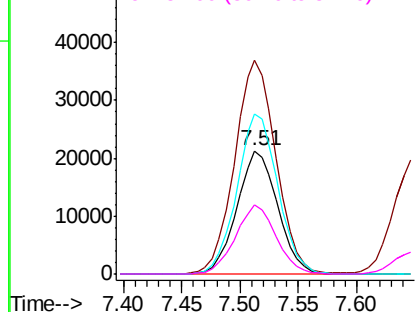
#23

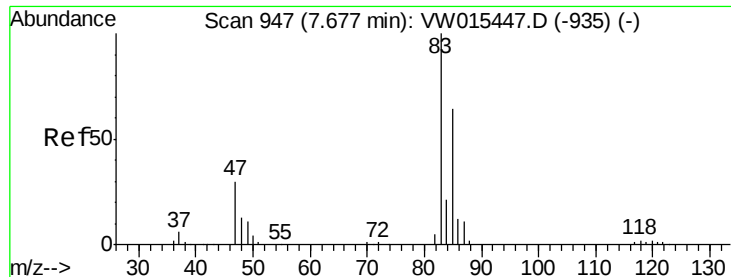
Bromochloromethane
Concen: 26.370 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Tgt Ion: 128 Resp: 51794
Ion Ratio Lower Upper
128 100
49 173.0 120.2 223.2
130 129.3 86.5 160.7
51 56.5 44.1 66.1



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

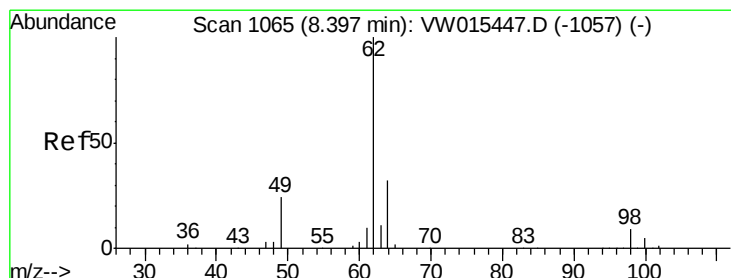
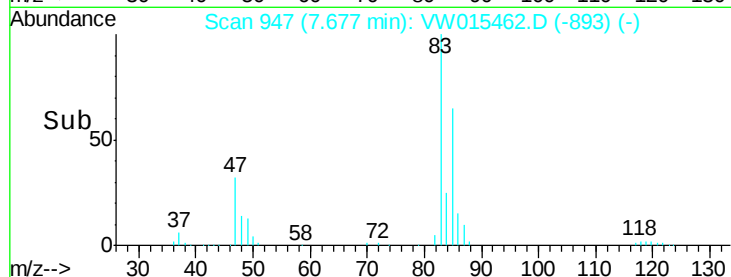
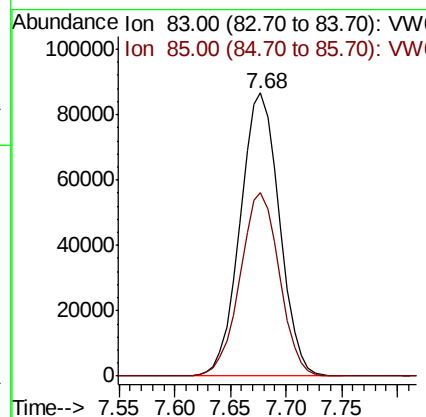
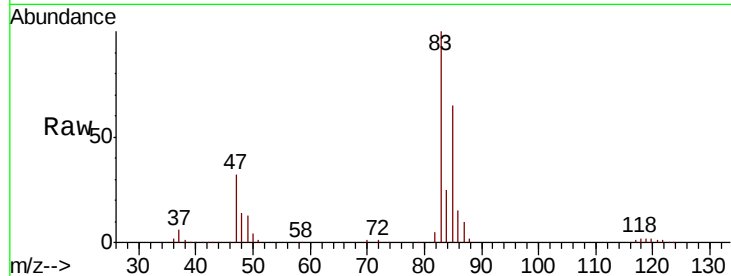




#25
Chloroform
Concen: 26.060 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

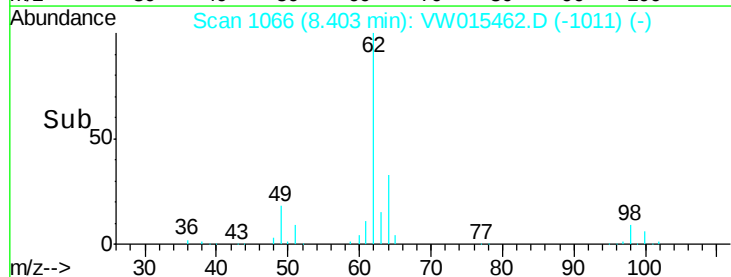
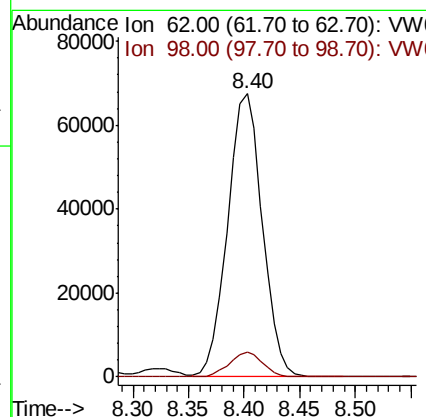
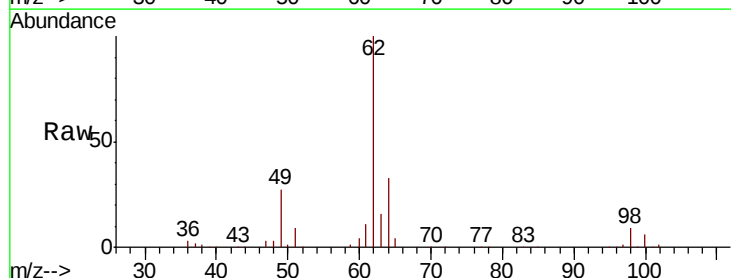
Instrument :
MSVOA_W
ClientSampleId :

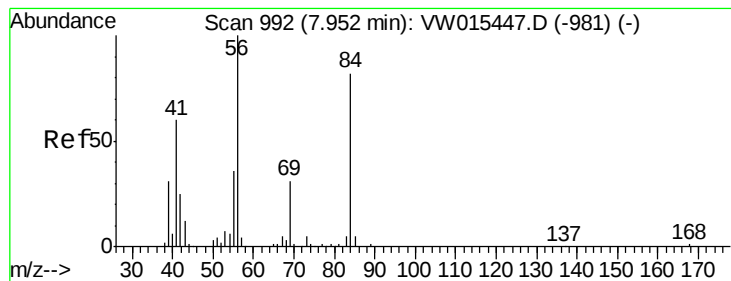
Tot Ion: 83 Resp: 212167
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.8



#27
1,2-Dichloroethane
Concen: 26.199 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Tgt Ion: 62 Resp: 145139
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2





#30

Cyclohexane

Concen: 22.813 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

ClientSampleId :

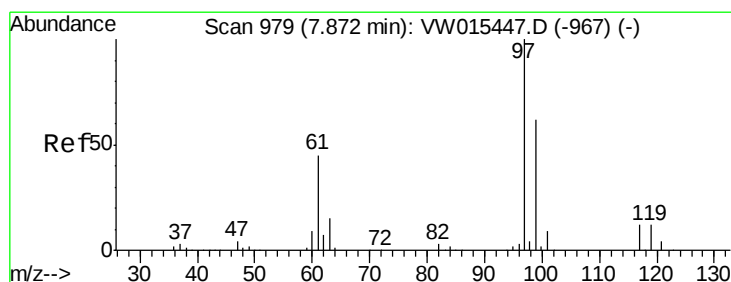
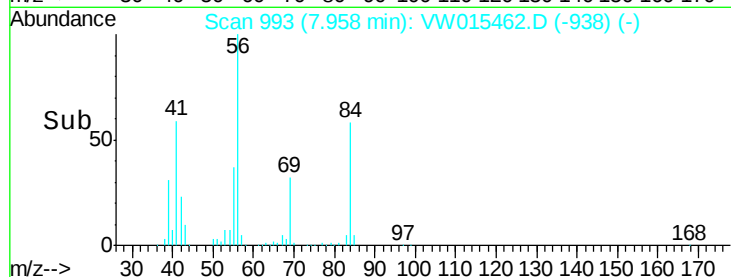
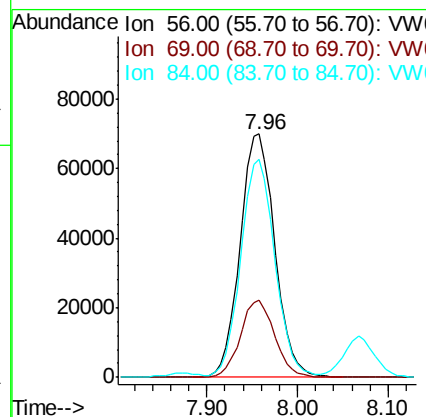
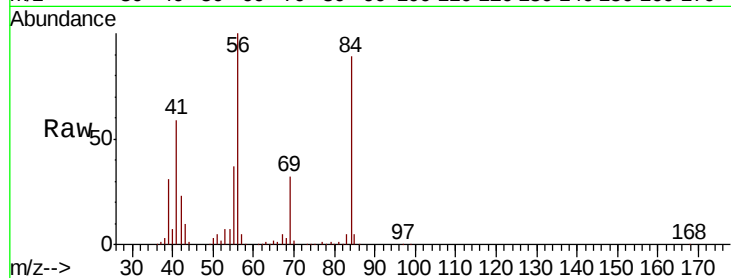
Tot Ion: 56 Resp: 185629

Ion Ratio Lower Upper

56 100

69 31.2 24.5 36.7

84 88.2 69.2 103.8



#31

1,1,1-Trichloroethane

Concen: 25.704 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

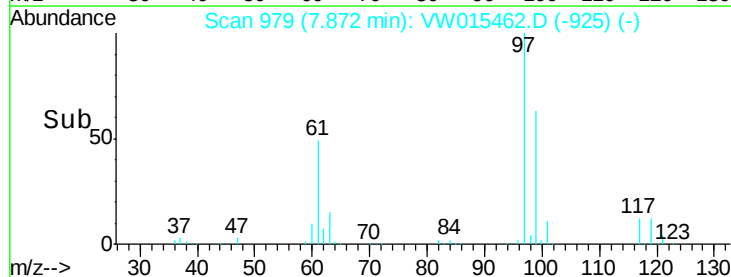
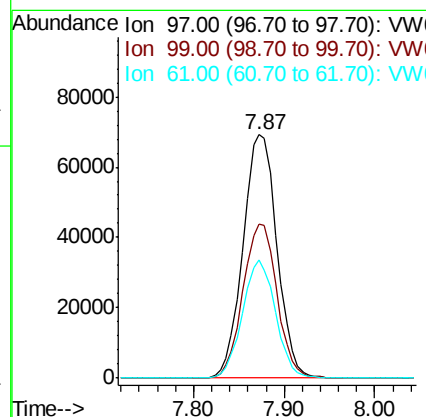
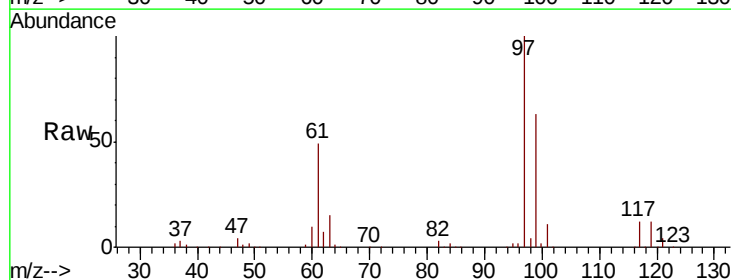
Tgt Ion: 97 Resp: 179439

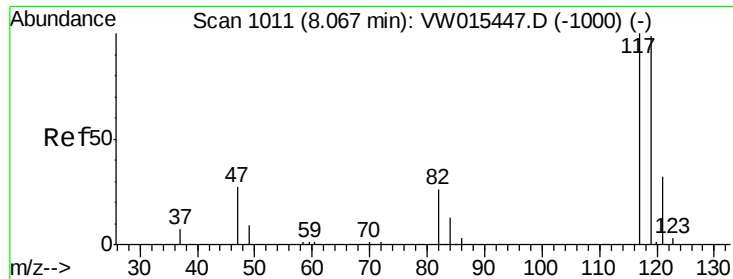
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 47.6 38.6 57.8





#32

Carbon tetrachloride

Concen: 25.304 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

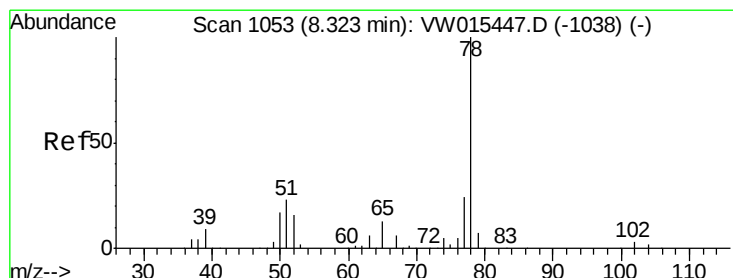
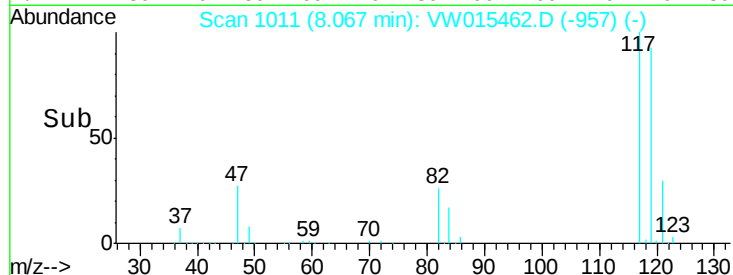
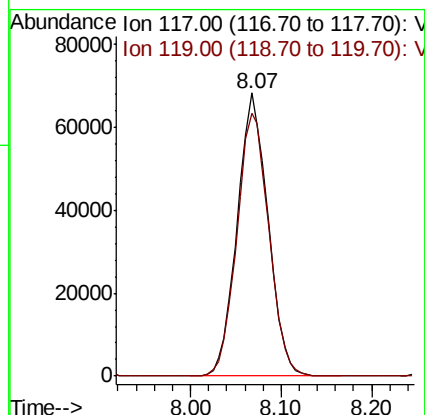
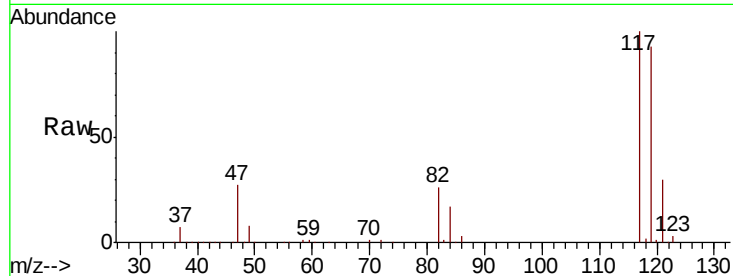
ClientSampleId :

Tot Ion:117 Resp: 160759

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8



#34

Benzene

Concen: 25.053 ug/L

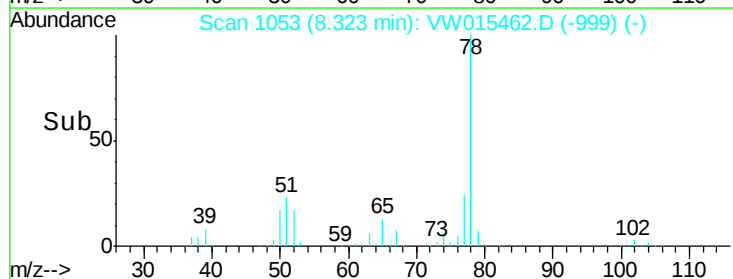
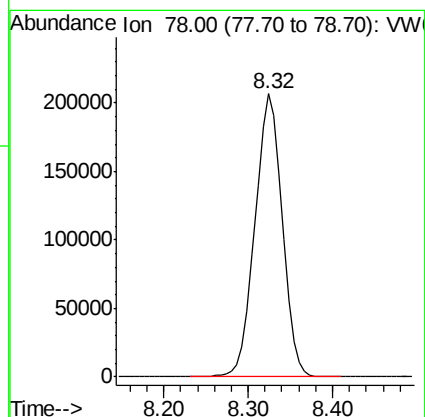
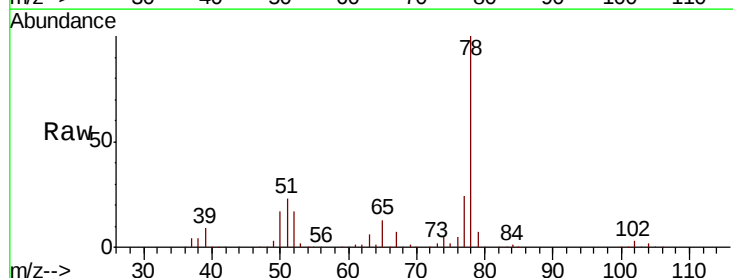
RT: 8.32 min Scan# 1053

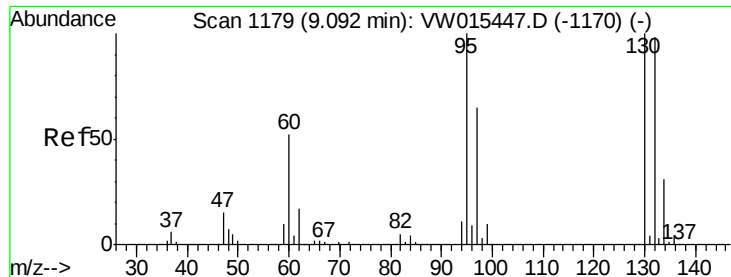
Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Tgt Ion: 78 Resp: 455933

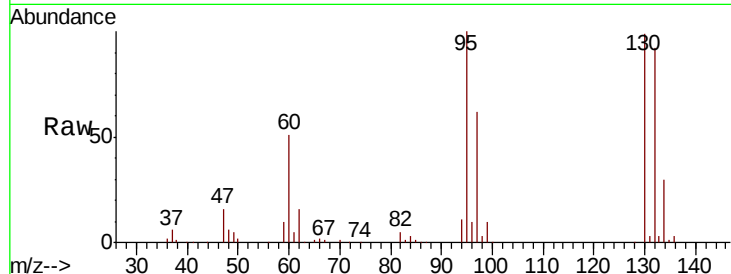




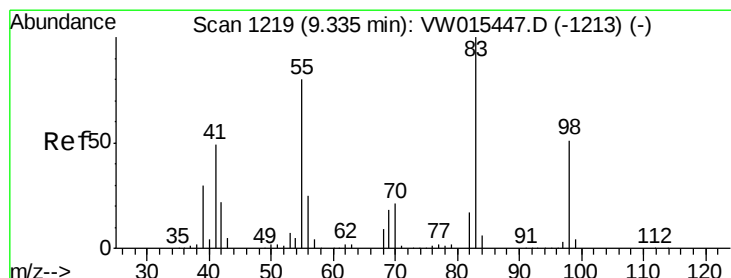
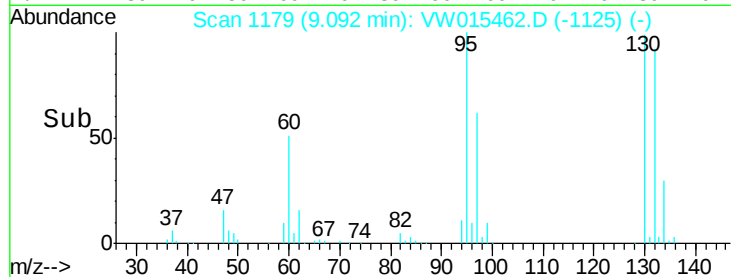
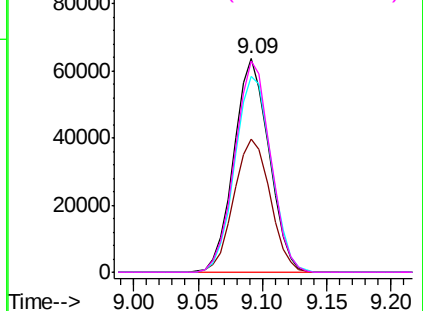
#35
 Trichloroethene
 Concen: 24.811 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	121001
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.5
132	95.0	64.5	119.7
130	99.6	68.5	127.3

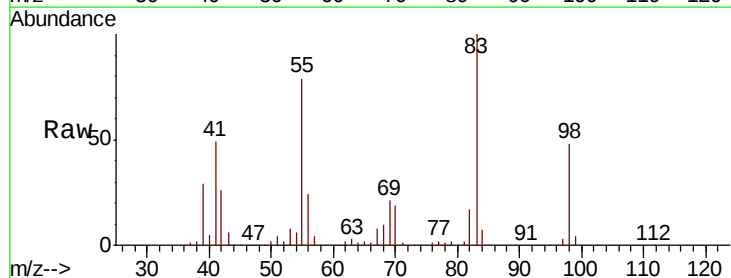


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

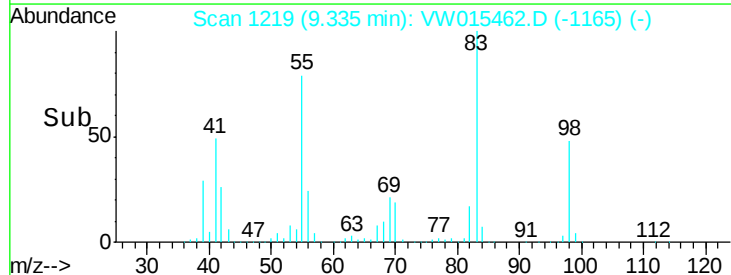
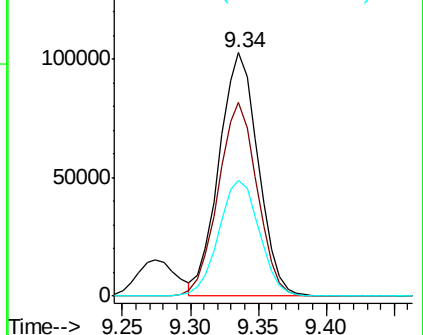


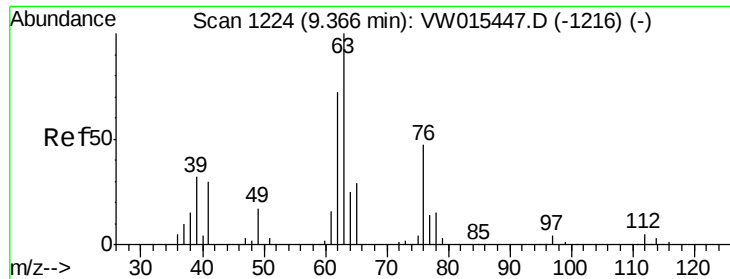
#36
 Methylcyclohexane
 Concen: 23.767 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion:	83	Resp:	205810
Ion	Ratio	Lower	Upper
83	100		
55	79.3	64.5	96.7
98	49.3	39.8	59.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

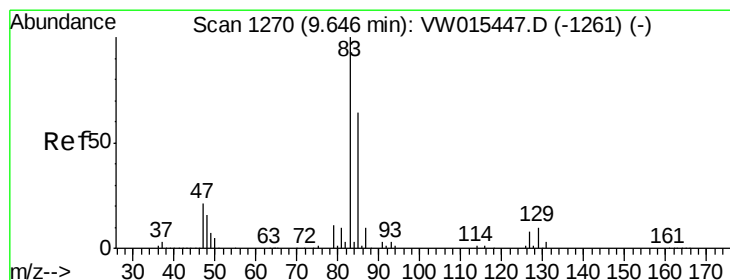
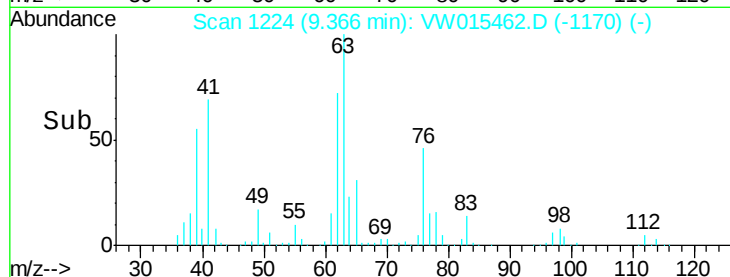
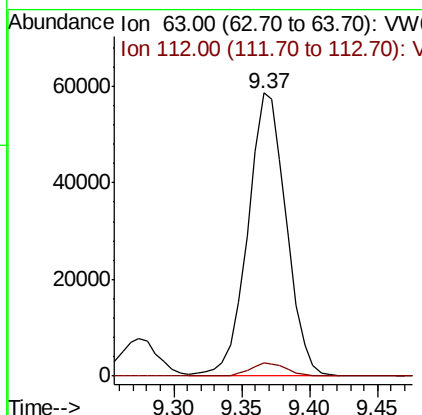
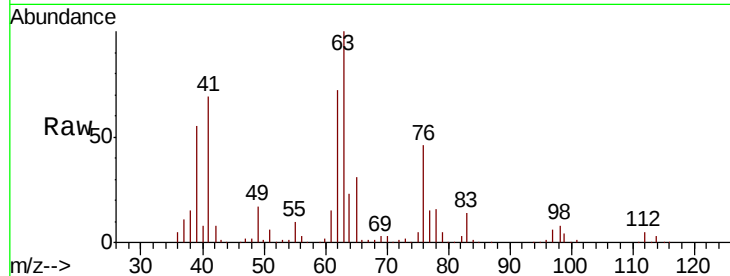




#40
 1,2-Dichloropropane
 Concen: 25.494 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

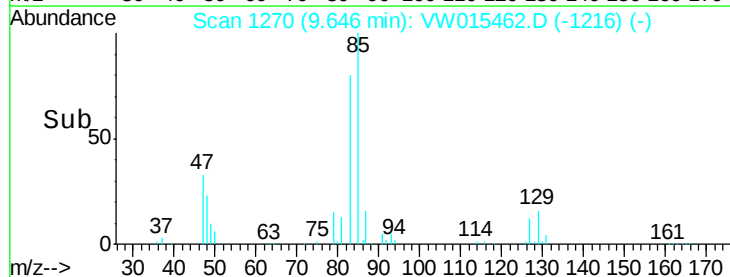
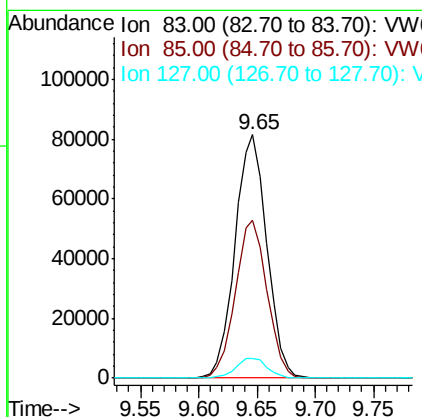
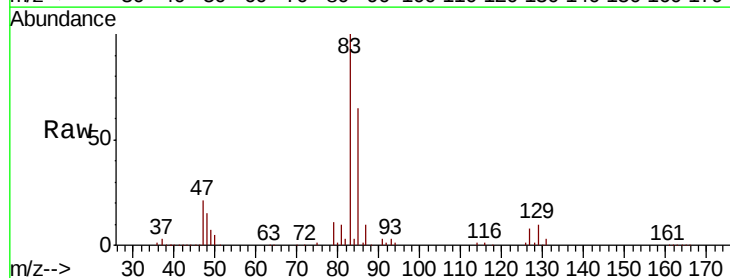
Instrument :
 MSVOA_W
 ClientSampleId :

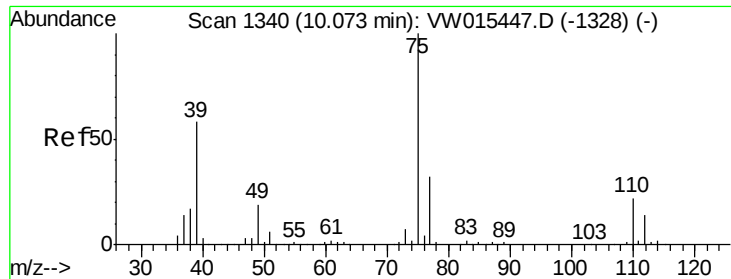
Tot Ion: 63 Resp: 115948
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 25.888 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion: 83 Resp: 155417
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.2 82.0
 127 7.9 6.2 9.4

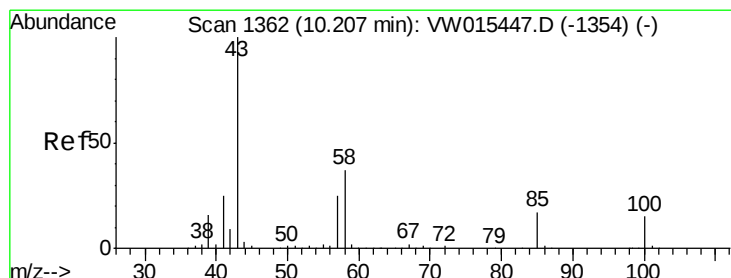
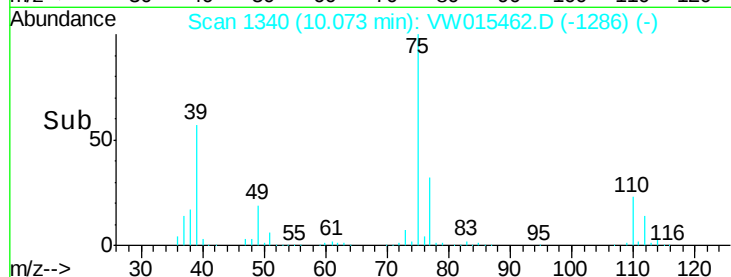
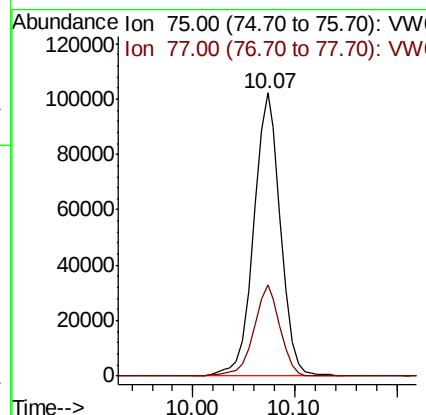
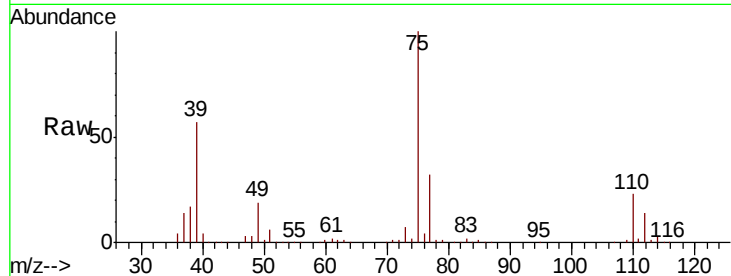




#42
 cis-1,3-Dichloropropene
 Concen: 25.460 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

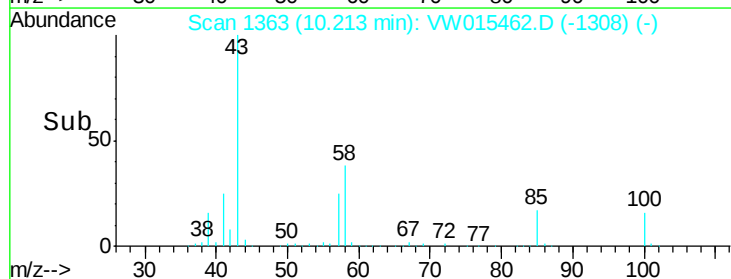
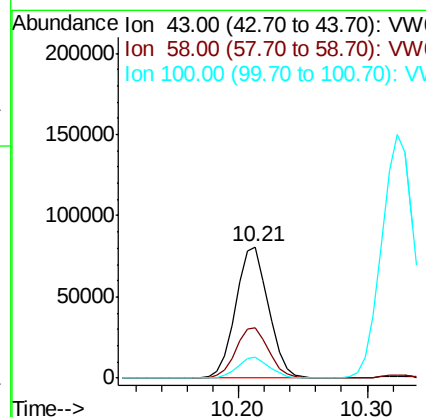
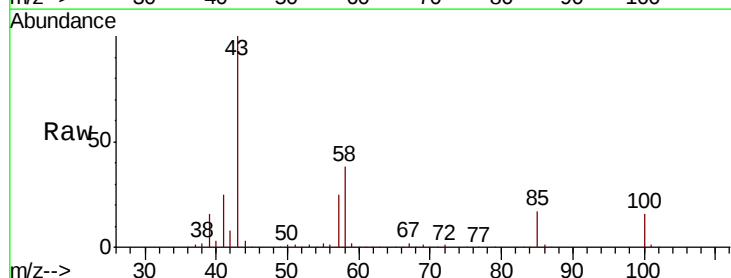
Instrument :
 MSVOA_W
 ClientSampleId :

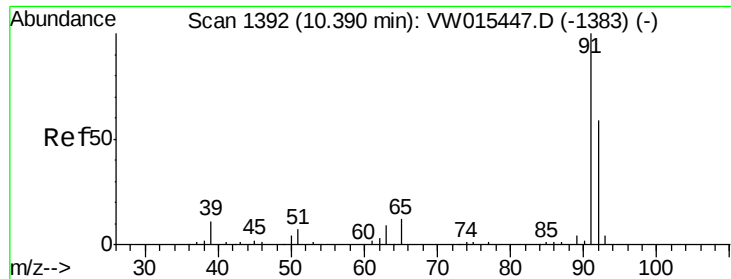
Tot Ion: 75 Resp: 186990
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.4 41.6



#43
 4-Methyl-2-pentanone
 Concen: 46.805 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion: 43 Resp: 142622
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7
 100 15.5 12.1 18.1





#44

Toluene

Concen: 25.191 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

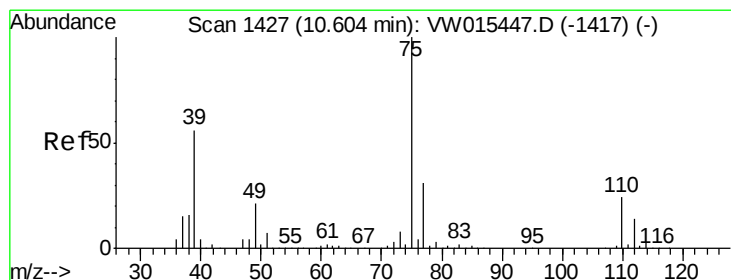
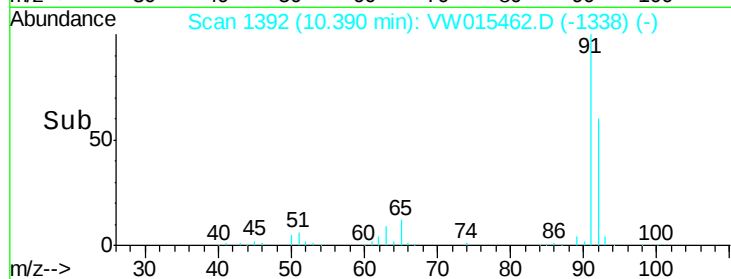
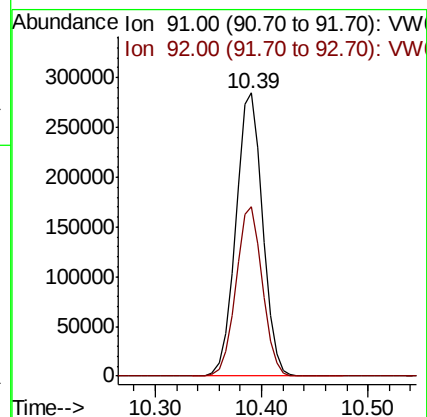
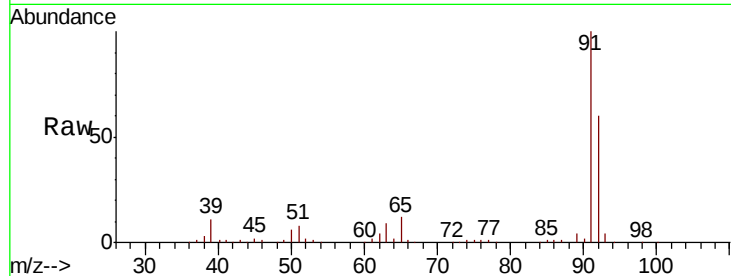
ClientSampleId :

Tot Ion: 91 Resp: 501044

Ion Ratio Lower Upper

91 100

92 59.7 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.397 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015462.D

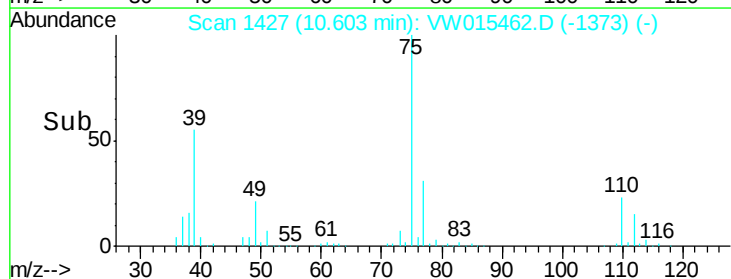
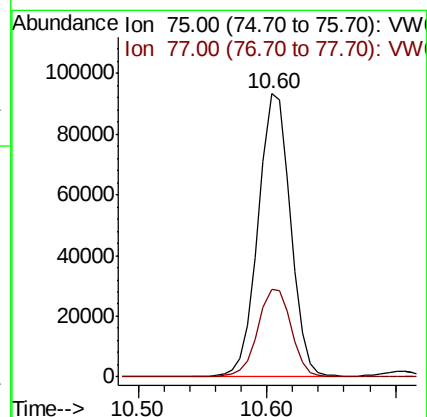
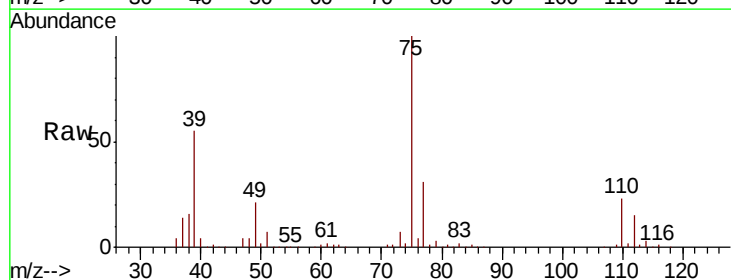
Acq: 22 May 2020 19:46

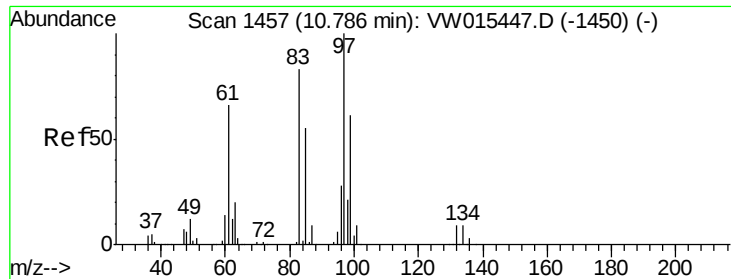
Tgt Ion: 75 Resp: 162554

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3

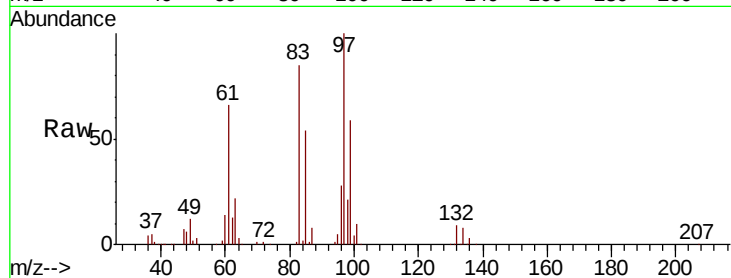




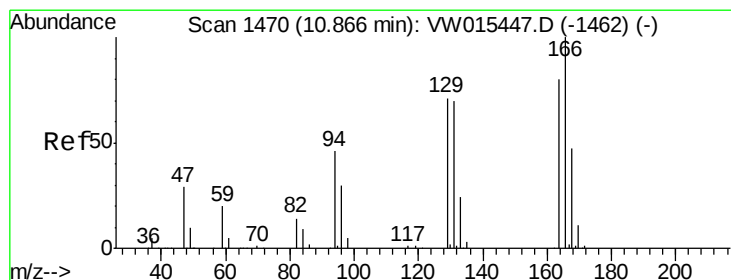
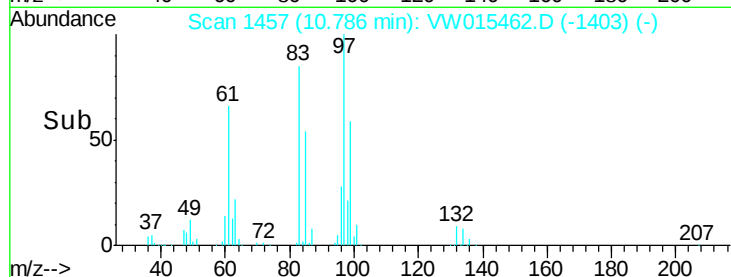
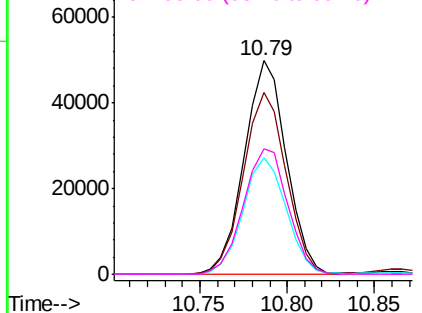
#46
 1,1,2-Trichloroethane
 Concen: 26.256 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	83720
Ion	Ratio	Lower	Upper
97	100		
83	85.1	60.5	112.5
85	54.3	38.8	72.0
99	58.9	44.7	82.9

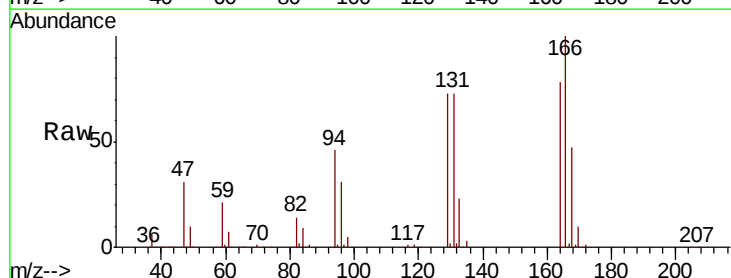


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

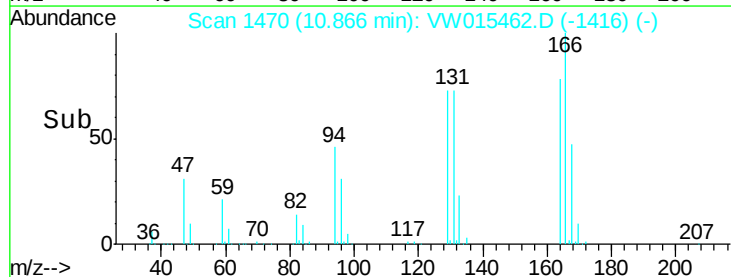
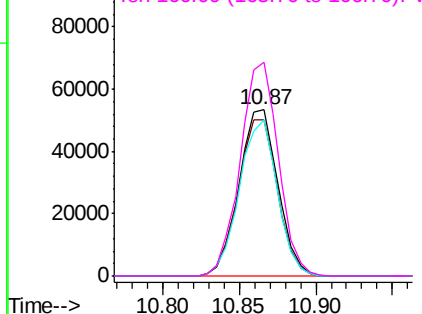


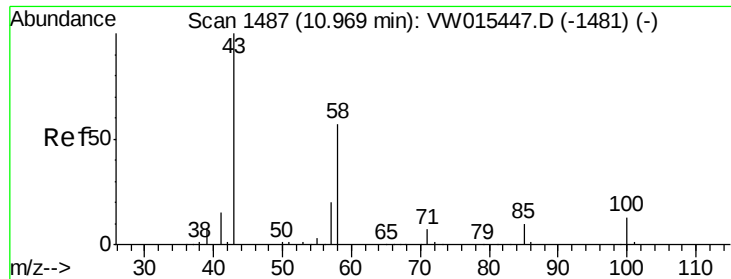
#47
 Tetrachloroethene
 Concen: 25.860 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion:	164	Resp:	94610
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.8	122.2
131	94.2	63.7	118.3
166	128.6	88.8	165.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 51.350 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 98591

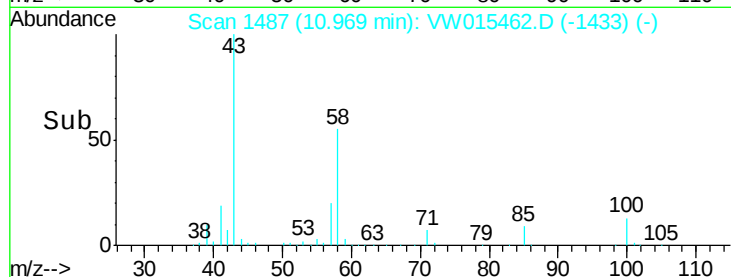
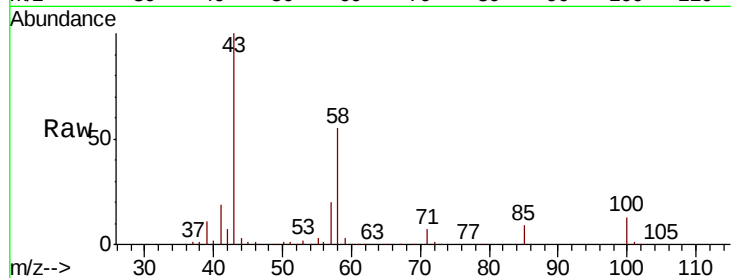
Ion Ratio Lower Upper

43 100

58 53.5 41.5 62.3

57 19.6 15.3 22.9

100 12.0 9.5 14.3

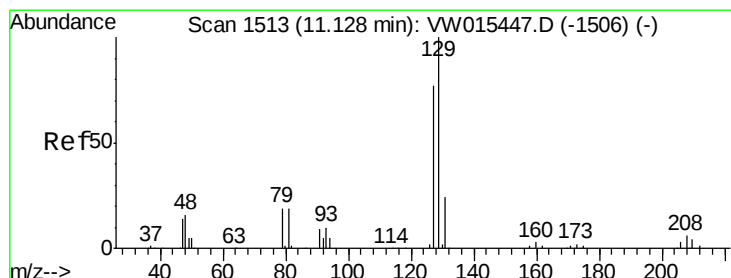
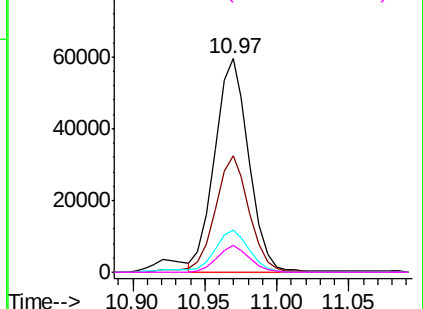


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.724 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015462.D

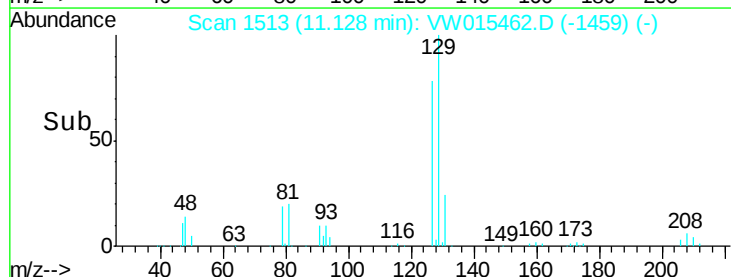
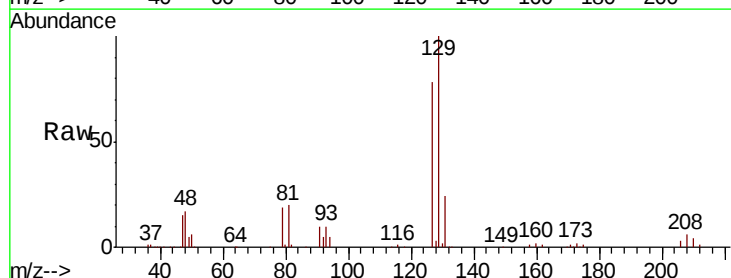
Acq: 22 May 2020 19:46

Tgt Ion: 129 Resp: 99229

Ion Ratio Lower Upper

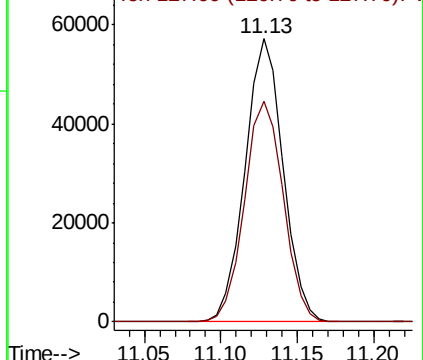
129 100

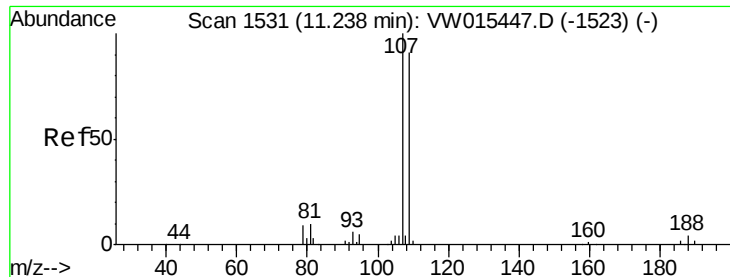
127 78.2 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

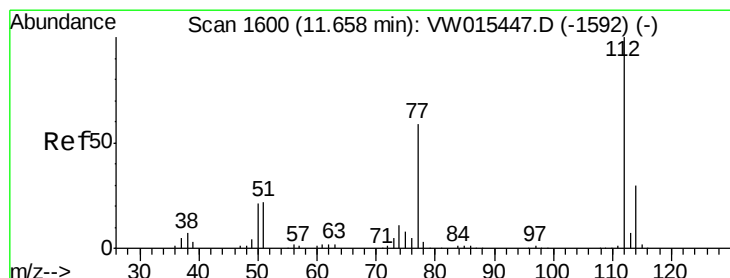
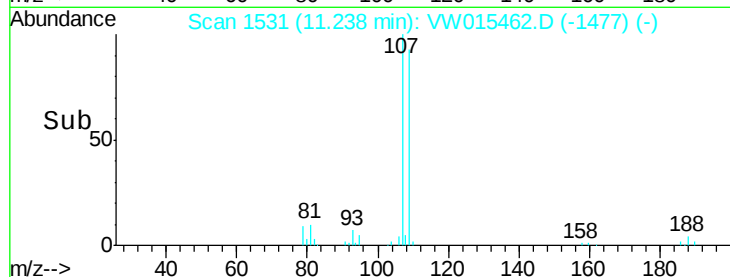
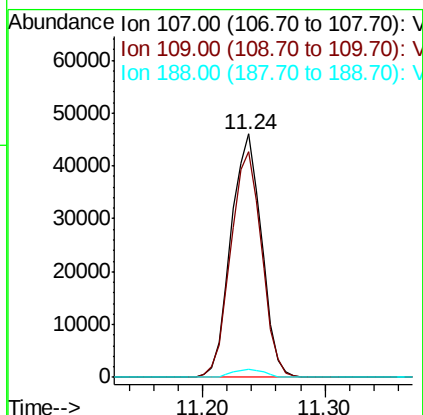
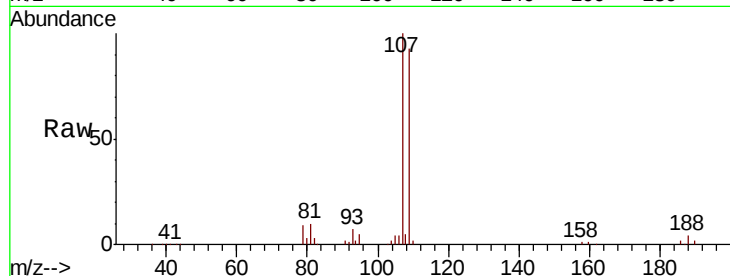




#51
 1,2-Dibromoethane
 Concen: 26.224 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

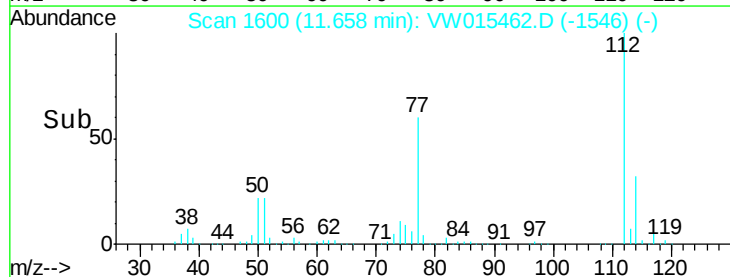
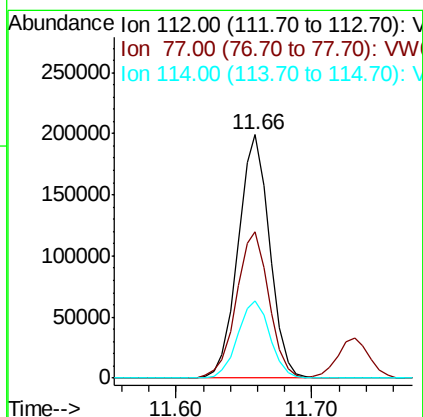
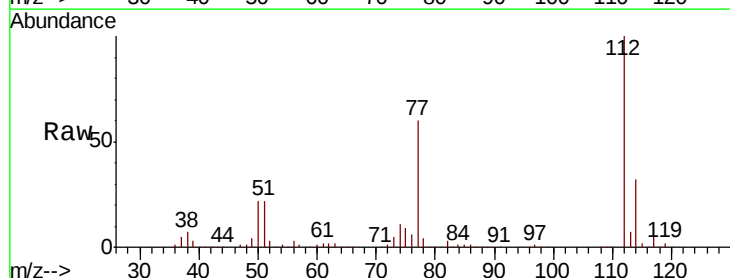
Instrument :
 MSVOA_W
 ClientSampleId :

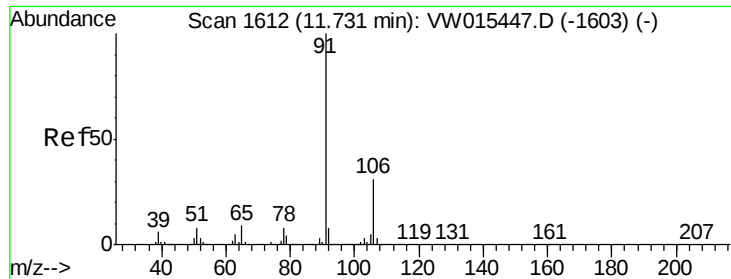
Tot Ion:107 Resp: 79796
 Ion Ratio Lower Upper
 107 100
 109 92.7 66.2 123.0
 188 3.6 2.9 4.3



#52
 Chlorobenzene
 Concen: 25.567 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion:112 Resp: 320825
 Ion Ratio Lower Upper
 112 100
 77 60.4 48.6 73.0
 114 31.8 21.2 39.4

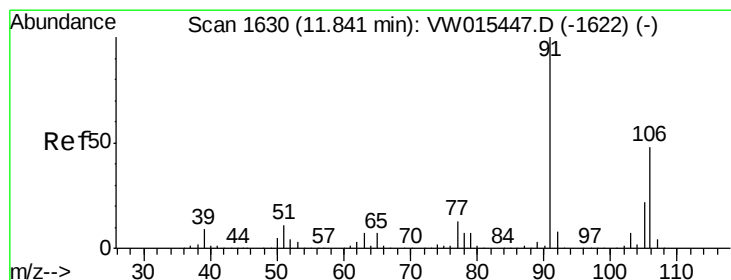
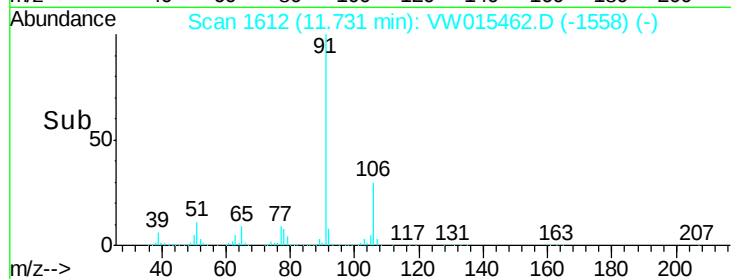
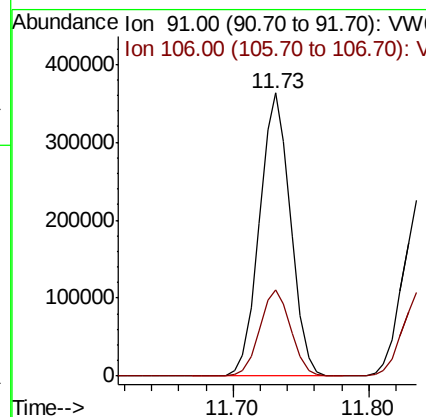
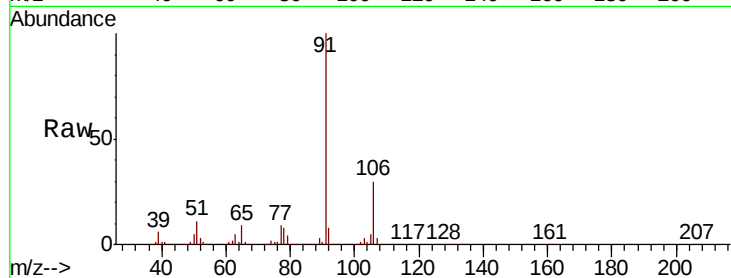




#53
Ethylbenzene
Concen: 25.035 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

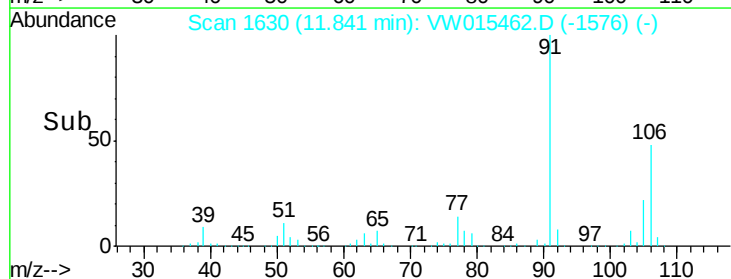
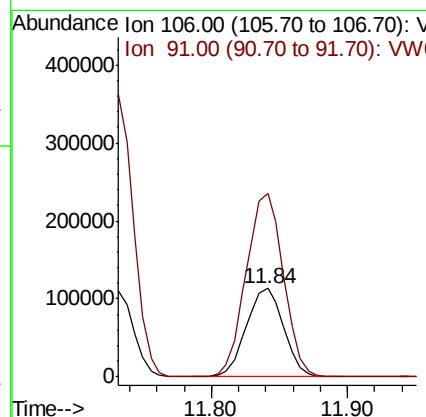
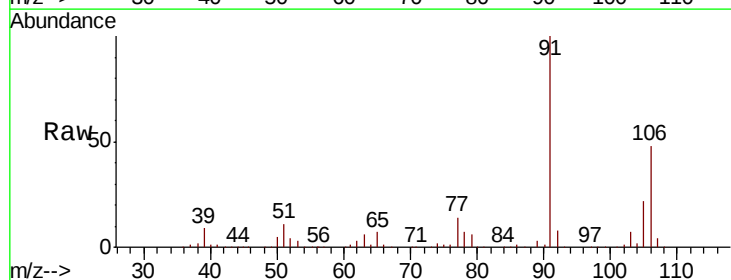
Instrument :
MSVOA_W
ClientSampled :

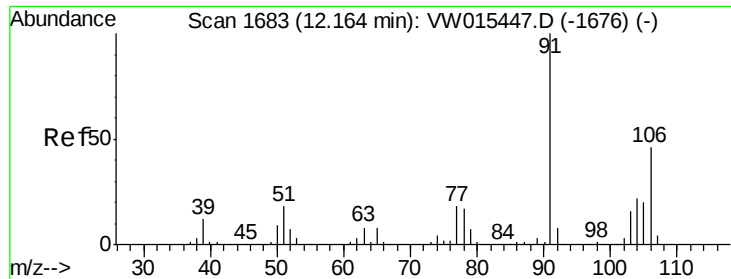
Tot Ion: 91 Resp: 580740
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#54
m,p-Xylene
Concen: 25.142 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Tgt Ion: 106 Resp: 217886
Ion Ratio Lower Upper
106 100
91 207.3 145.0 269.4

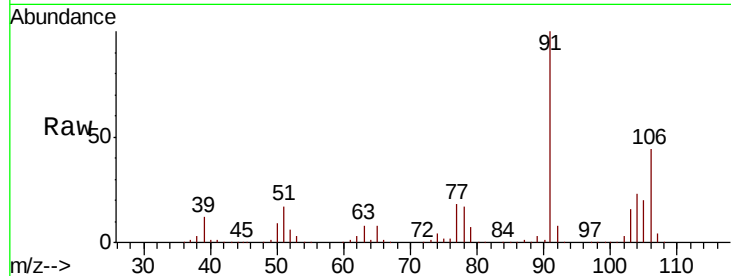




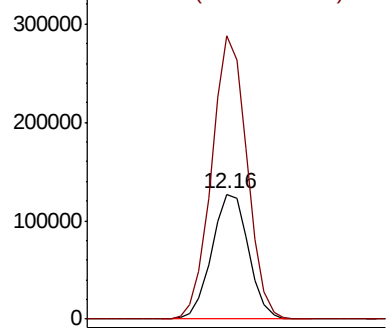
#55
o-xylene
Concen: 25.278 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

Instrument :
MSVOA_W
ClientSampleId :

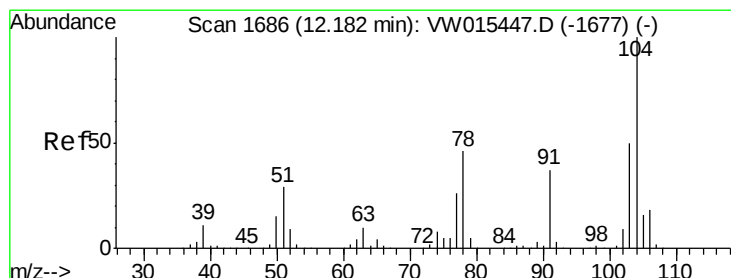
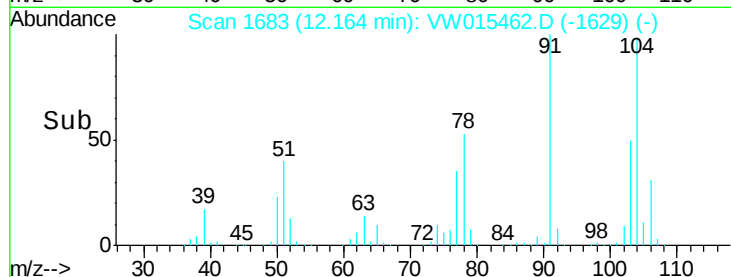
Tot Ion:106 Resp: 210751
Ion Ratio Lower Upper
106 100
91 226.9 152.3 282.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

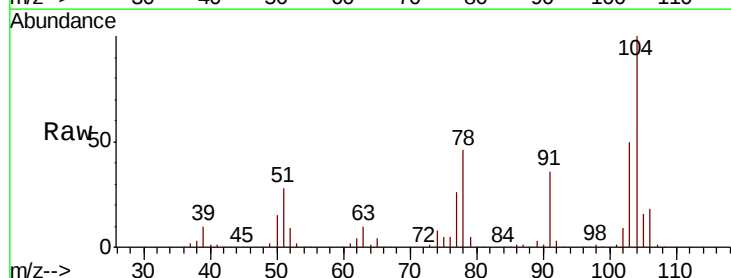


Time-->

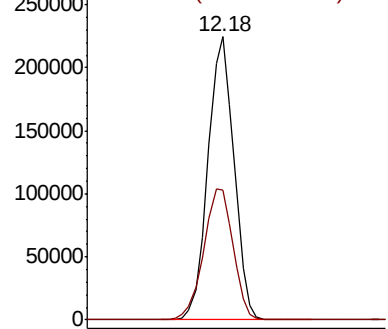


#56
Styrene
Concen: 25.537 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015462.D
Acq: 22 May 2020 19:46

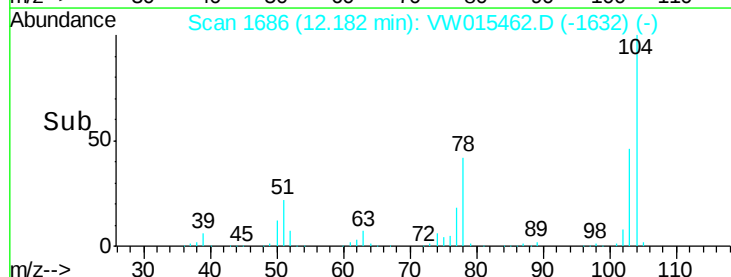
Tgt Ion:104 Resp: 363518
Ion Ratio Lower Upper
104 100
78 45.9 32.4 60.2

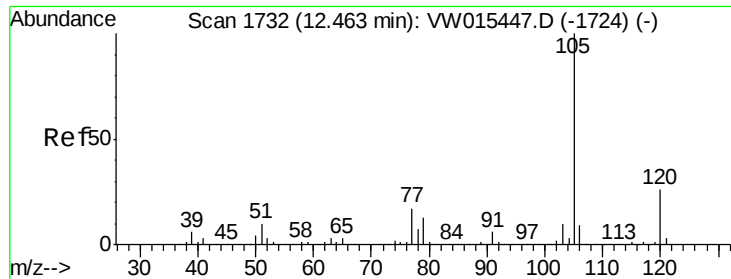


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 25.187 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

ClientSampled :

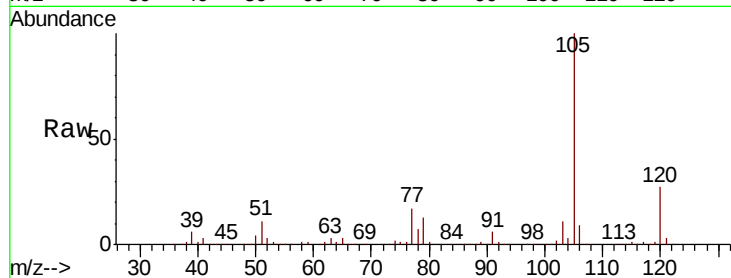
Tot Ion:105 Resp: 580078

Ion Ratio Lower Upper

105 100

120 26.6 20.5 30.7

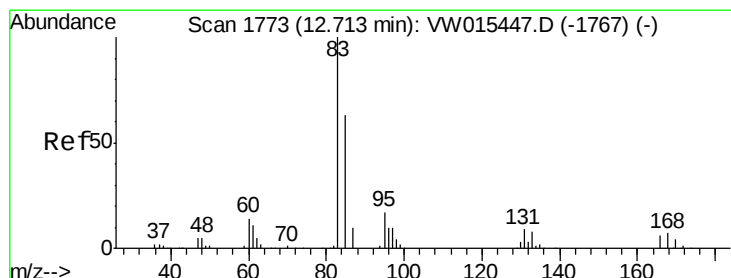
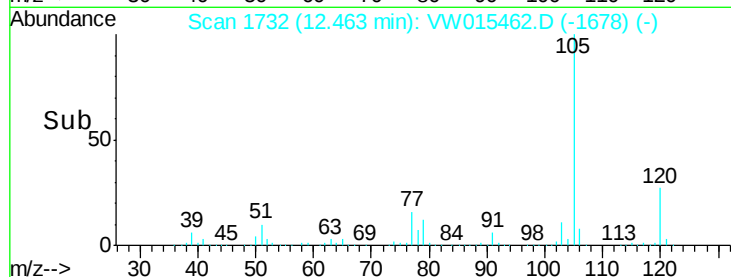
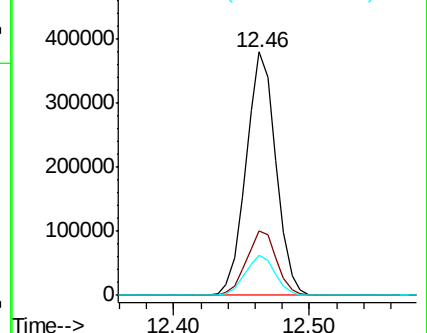
77 16.5 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.700 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

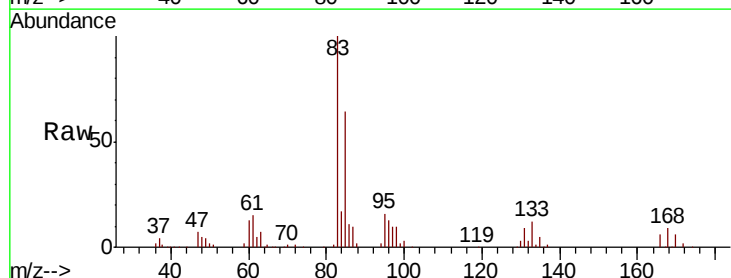
Tgt Ion: 83 Resp: 101272

Ion Ratio Lower Upper

83 100

85 64.3 46.3 86.1

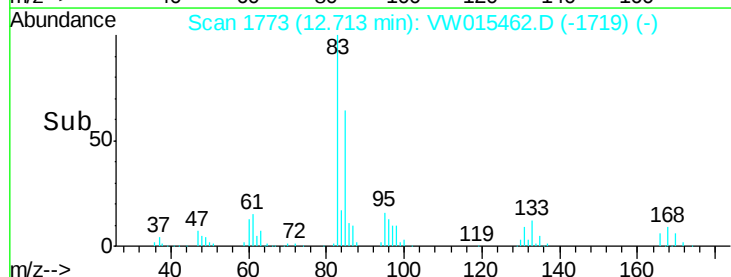
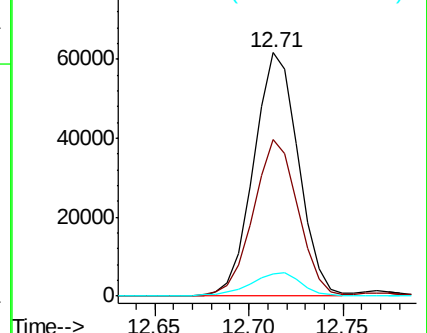
131 9.1 7.9 11.9

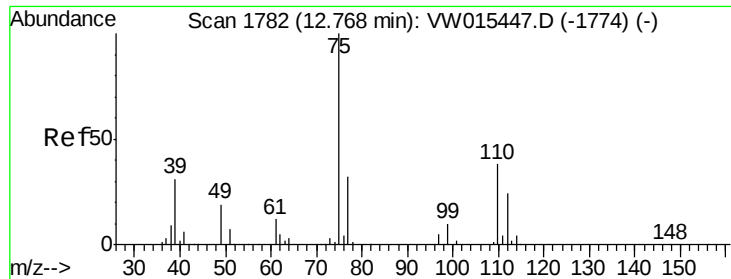


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.916 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

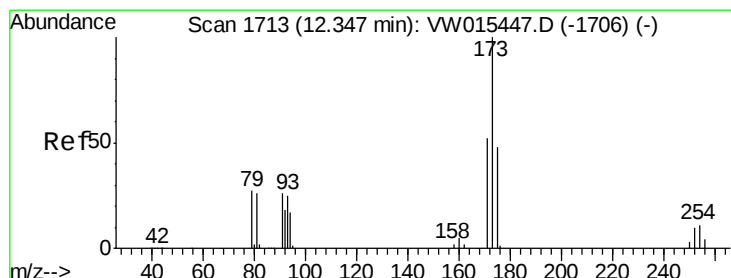
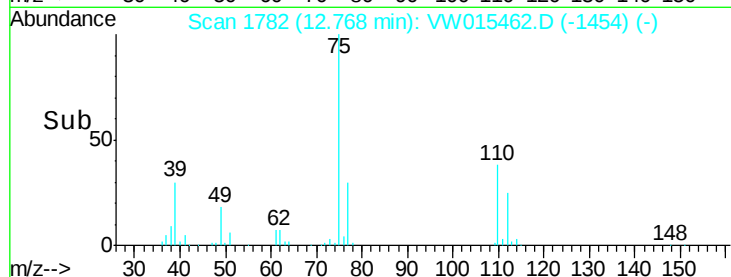
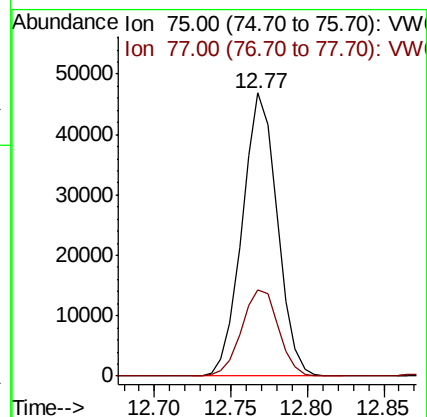
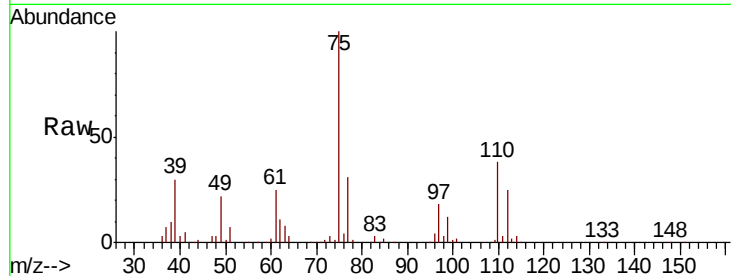
ClientSampleId :

Tot Ion: 75 Resp: 74658

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 25.009 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

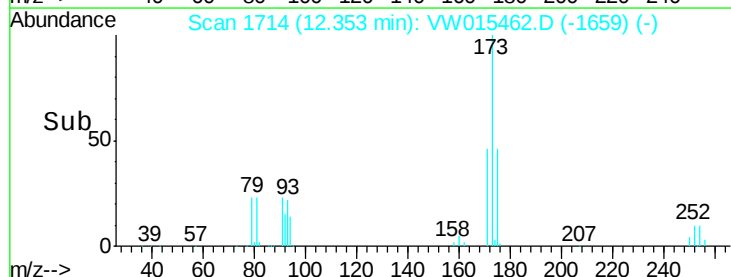
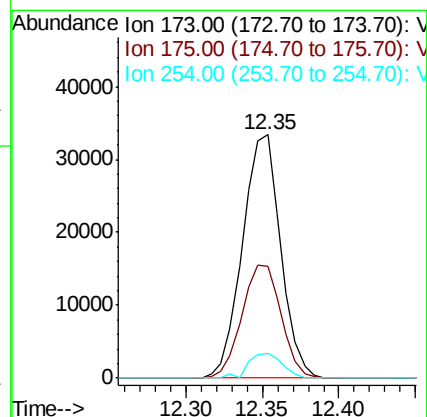
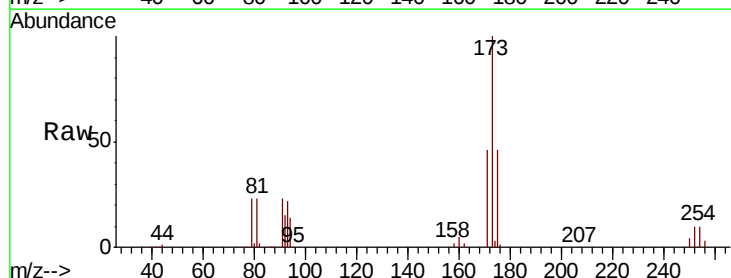
Tgt Ion:173 Resp: 57799

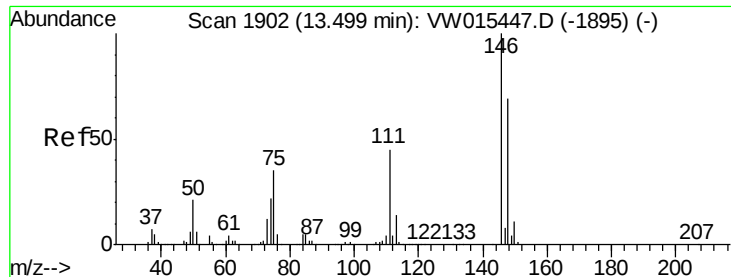
Ion Ratio Lower Upper

173 100

175 47.7 40.7 61.1

254 8.7 7.6 11.4





#63

1,3-Dichlorobenzene

Concen: 25.593 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015462.D

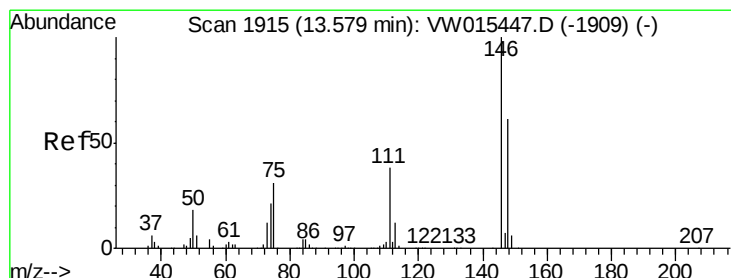
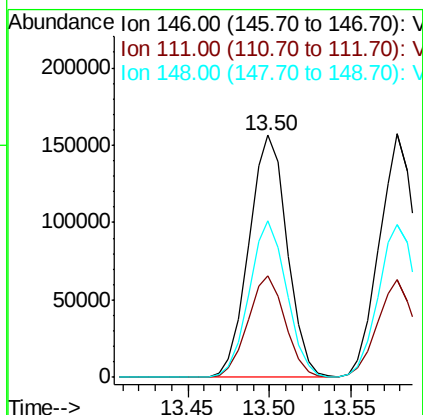
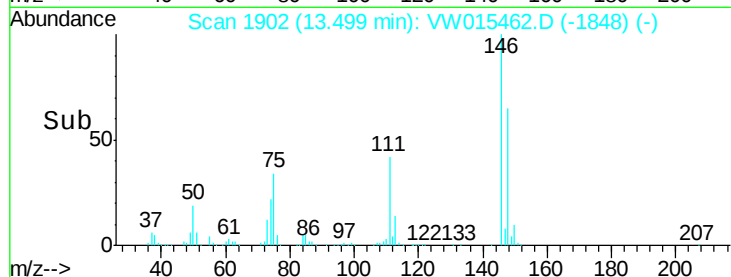
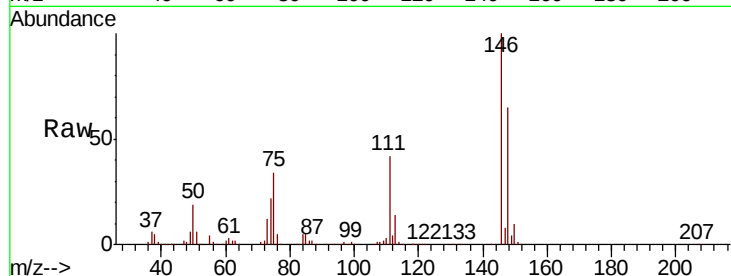
Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	254659
Ion	Ratio	Lower Upper
146	100	
111	42.0	27.9 51.9
148	64.6	44.5 82.7



#64

1,4-Dichlorobenzene

Concen: 24.834 ug/L

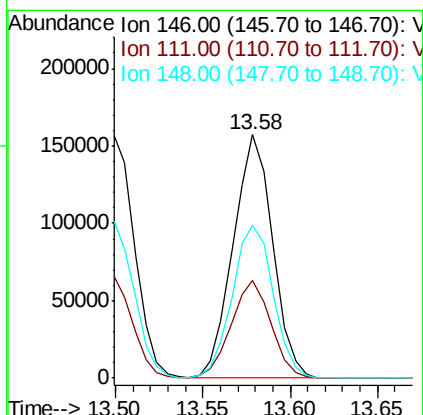
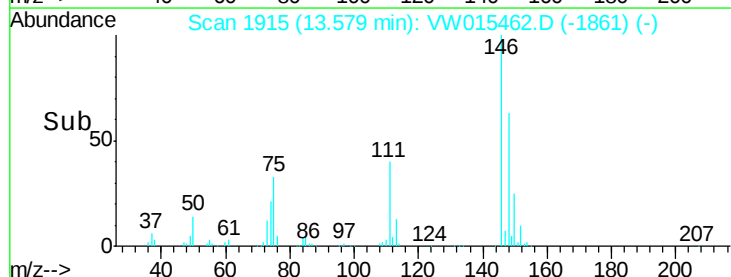
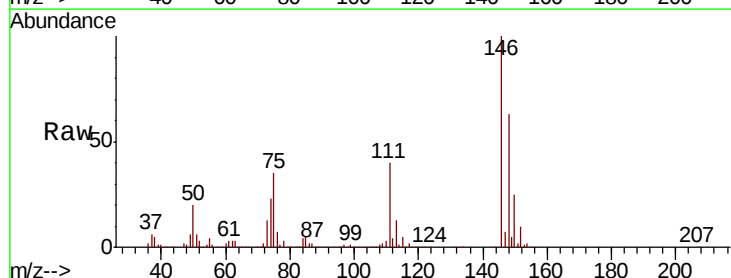
RT: 13.58 min Scan# 1915

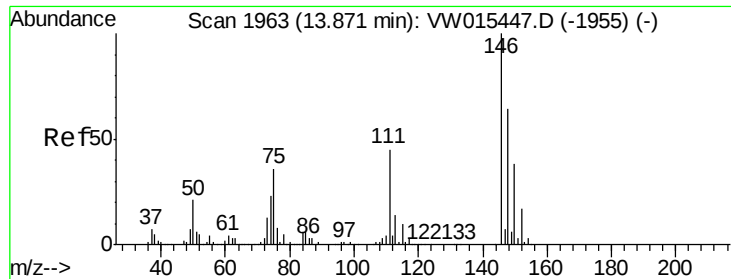
Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Tgt Ion:146	Resp:	246008
Ion	Ratio	Lower Upper
146	100	
111	40.1	28.2 52.4
148	62.6	43.8 81.3

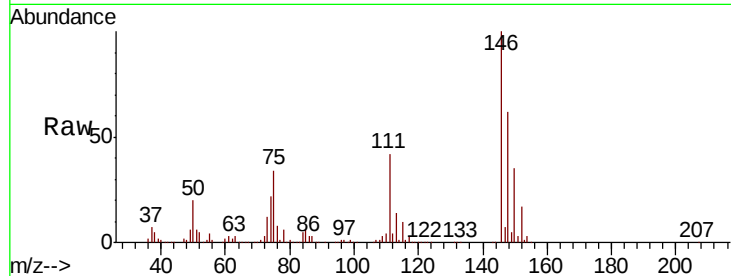




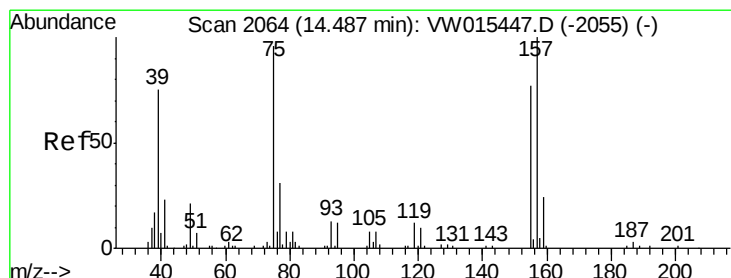
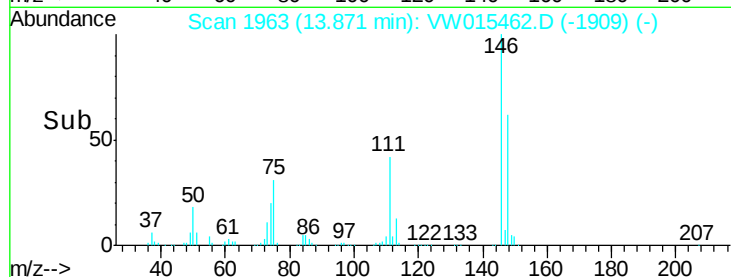
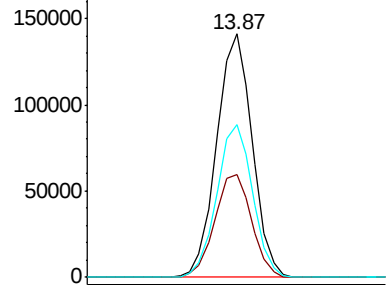
#65
 1,2-Dichlorobenzene
 Concen: 26.031 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	34.3	51.5
148	62.5	50.6	75.8

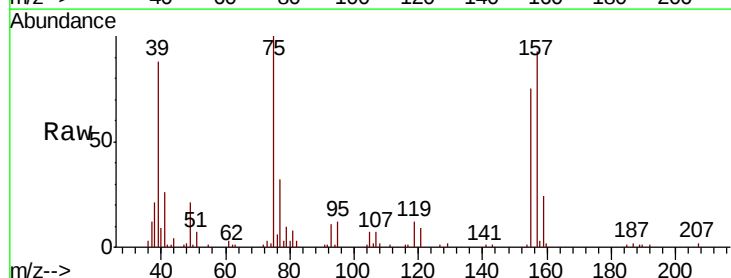


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

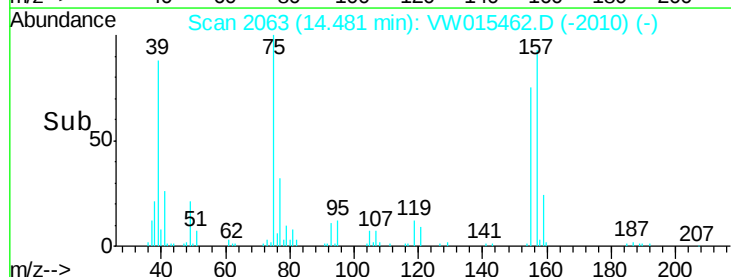
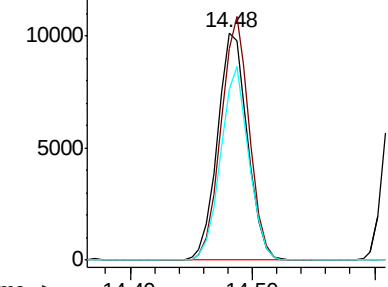


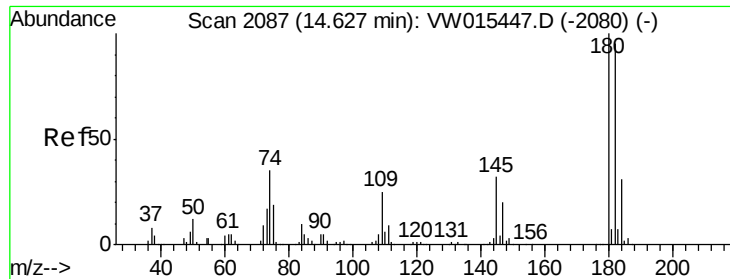
#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.429 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
157	92.9	72.7	109.1
155	75.0	56.7	85.1



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

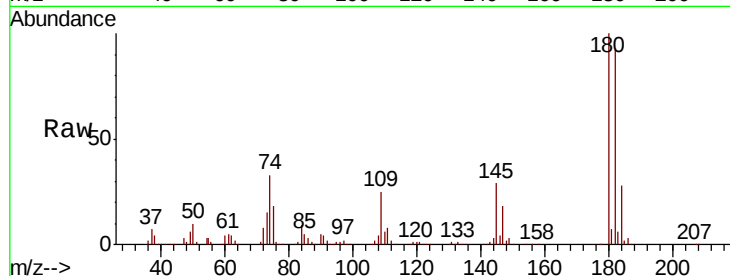




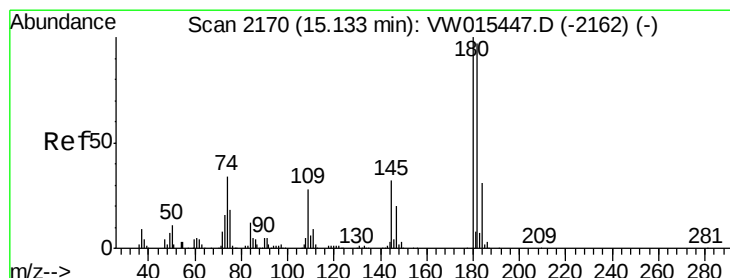
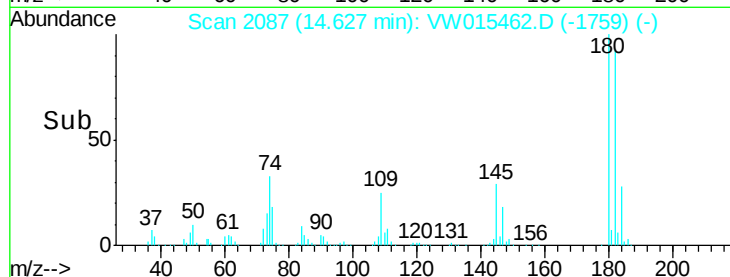
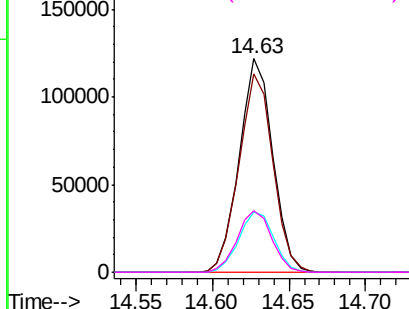
#67
 1,3,5-Trichlorobenzene
 Concen: 27.089 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	185337
Ion Ratio	Lower	Upper
180	100	
182	94.1	76.8 115.2
184	29.7	24.7 37.1
145	29.7	24.7 37.1

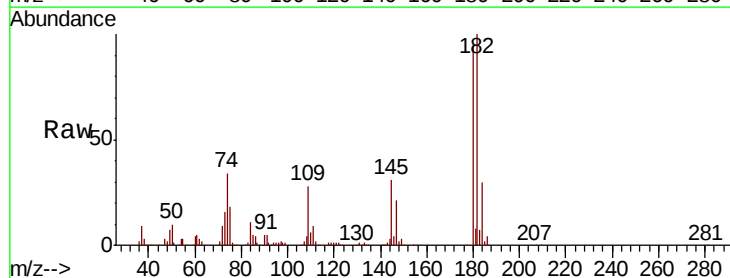


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

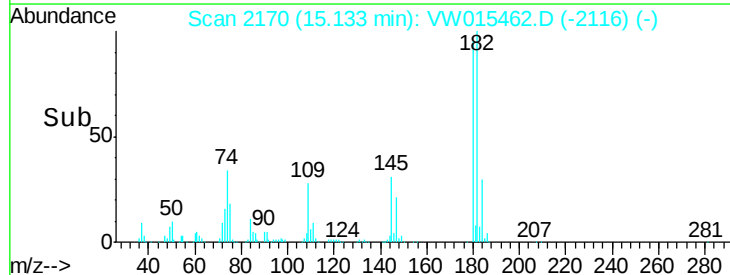
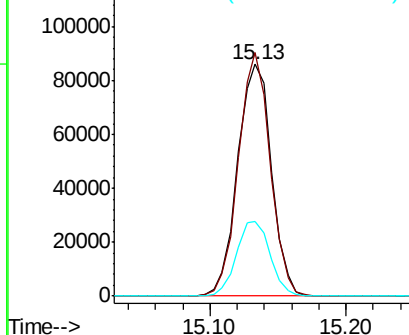


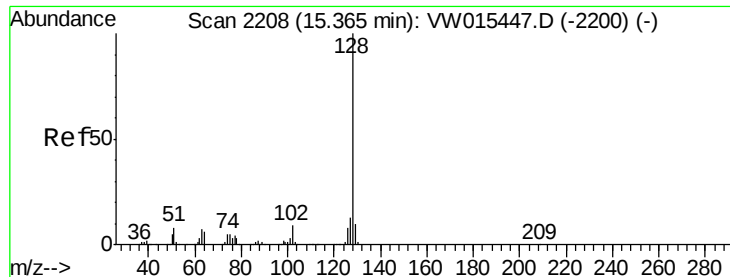
#68
 1,2,4-trichlorobenzene
 Concen: 26.464 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015462.D
 Acq: 22 May 2020 19:46

Tgt Ion:180	Resp:	149500
Ion Ratio	Lower	Upper
180	100	
182	98.5	77.9 116.9
145	32.0	26.5 39.7



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





#69

Naphthalene

Concen: 27.045 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

Instrument :

MSVOA_W

ClientSampleId :

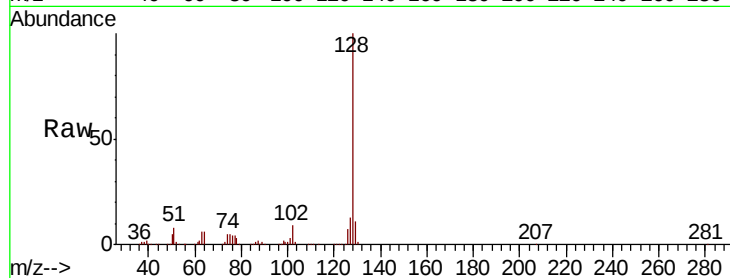
Tot Ion:128 Resp: 286722

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.1 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

200000

150000

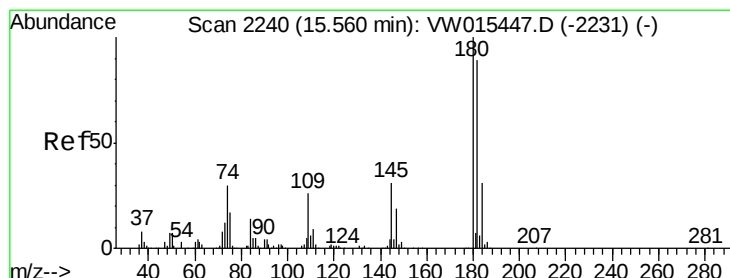
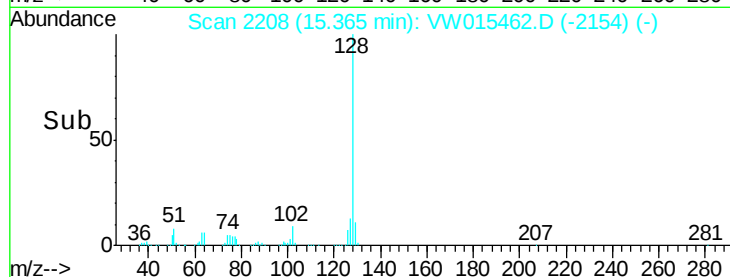
100000

50000

0

15.30 15.40

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 27.831 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015462.D

Acq: 22 May 2020 19:46

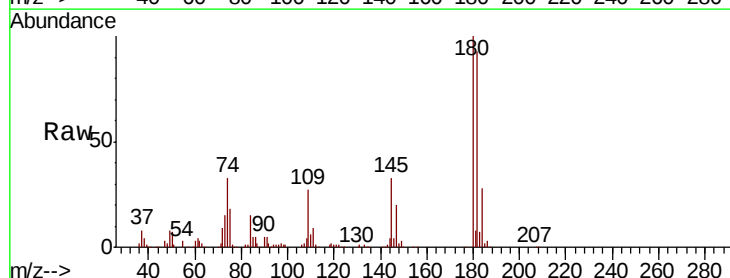
Tgt Ion:180 Resp: 135456

Ion Ratio Lower Upper

180 100

182 92.5 75.7 113.5

145 33.1 26.6 39.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

100000

80000

60000

40000

20000

0

15.50 15.60

Time-->

