

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\W120220\
 Data File : VW017521.D
 Acq On : 02 Dec 2020 12:06
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB36

Quant Time: Dec 03 03:19:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 02 12:06:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	508729	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	466209	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	238453	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145946	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	2.89	69	115061	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
11) 1,1-Dichloroethene-d2	4.03	63	312202	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.56%
21) 2-Butanone-d5	7.09	46	70690	42.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.88%
24) Chloroform-d	7.65	84	306377	22.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	8.31	65	160312	22.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.08%
32) Benzene-d6	8.28	84	599139	23.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	9.28	67	169630	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.20%
41) Toluene-d8	10.33	98	553887	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	10.58	79	78385	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.36%
47) 2-Hexanone-d5	10.93	63	49577	46.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.62%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	132028	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.36%
66) 1,2-Dichlorobenzene-d4	13.86	152	195806	22.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	84009	21.601	ug/L	91
3) Chloromethane	2.22	50	94643	22.766	ug/L	99
5) Vinyl chloride	2.37	62	138374	23.252	ug/L	100
6) Bromomethane	2.79	94	94402	23.330	ug/L	95
8) Chloroethane	2.93	64	87253	23.341	ug/L	98
9) Trichlorofluoromethane	3.27	101	139407	24.093	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	157605	23.514	ug/L	99
12) 1,1-Dichloroethene	4.05	96	148124	23.207	ug/L	87
13) Acetone	4.14	43	59550	45.709	ug/L	97
14) Carbon disulfide	4.40	76	418333	23.472	ug/L	98
15) Methyl Acetate	4.67	43	63221	23.776	ug/L	96
16) Methylene chloride	4.92	84	155493	21.109	ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	158445	23.945	ug/L	98
18) Methyl tert-butyl Ether	5.43	73	190805	25.002	ug/L	99
19) 1,1-Dichloroethane	6.22	63	271792	23.760	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	168240	23.739	ug/L	94
22) 2-Butanone	7.18	43	81377	41.633	ug/L #	62

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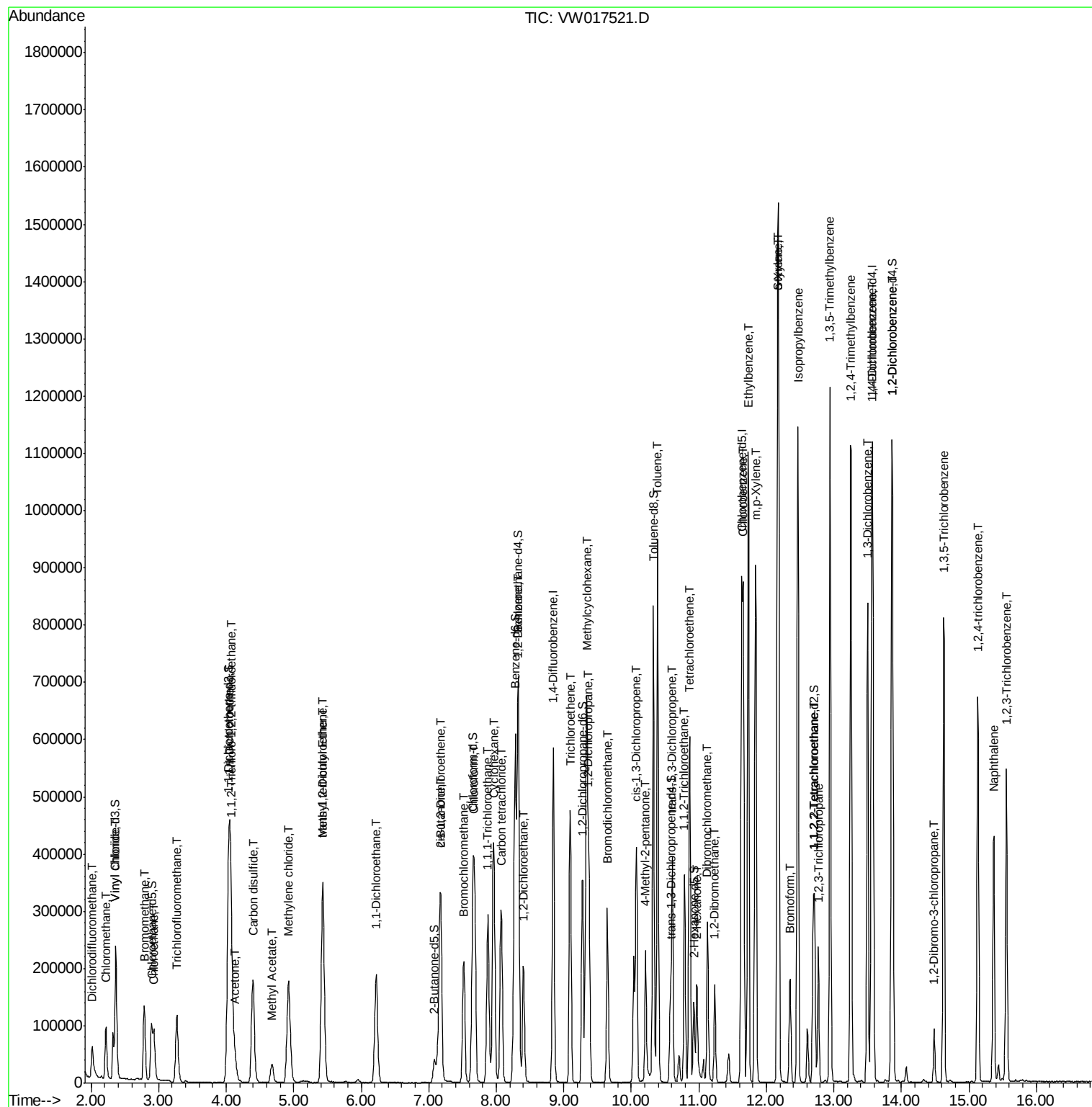
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	77799	23.471	ug/L	97
25) Chloroform	7.68	83	294204	24.086	ug/L	99
27) 1,2-Dichloroethane	8.40	62	185554	23.878	ug/L	98
29) Cyclohexane	7.96	56	241961	24.891	ug/L	100
30) 1,1,1-Trichloroethane	7.88	97	245527	24.020	ug/L	100
31) Carbon tetrachloride	8.07	117	240575	24.168	ug/L	100
33) Benzene	8.33	78	616248	24.087	ug/L	100
34) Trichloroethene	9.10	95	167158	23.677	ug/L	97
35) Methylcyclohexane	9.34	83	276462	24.311	ug/L	98
37) 1,2-Dichloropropane	9.37	63	150995	24.173	ug/L	99
38) Bromodichloromethane	9.65	83	209183	23.963	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	245306	24.953	ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	160493	45.726	ug/L	98
42) Toluene	10.39	91	678203	24.652	ug/L	98
44) trans-1,3-Dichloropropene	10.61	75	213815	24.266	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	117839	23.862	ug/L	99
46) Tetrachloroethene	10.87	164	137866	23.534	ug/L	95
48) 2-Hexanone	10.97	43	115853	47.733	ug/L	98
49) Dibromochloromethane	11.13	129	147108	23.897	ug/L	92
50) 1,2-Dibromoethane	11.24	107	113914	23.624	ug/L	95
51) Chlorobenzene	11.66	112	439491	24.128	ug/L	98
52) Ethylbenzene	11.73	91	767593	24.675	ug/L	99
53) m,p-Xylene	11.84	106	294983	25.094	ug/L	94
54) o-Xylene	12.17	106	276371	24.764	ug/L	99
55) Styrene	12.18	104	471286	24.717	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	134543	23.366	ug/L	97
59) Bromoform	12.35	173	85286	23.058	ug/L	100
60) Isopropylbenzene	12.47	105	767472	24.606	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	98118	22.471	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	630914	24.827	ug/L	98
63) 1,2,4-Trimethylbenzene	13.26	105	627452	24.989	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	349142	23.559	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	350093	23.266	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	317795	23.629	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.49	75	22995	22.990	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	258698	23.873	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	216302	23.754	ug/L	98
71) Naphthalene	15.37	128	376599	24.647	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	186546	23.745	ug/L	99

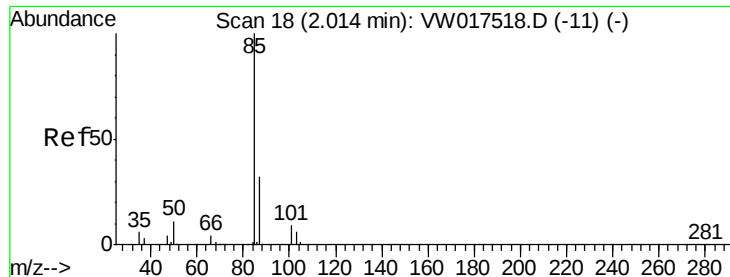
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#2

Dichlorodifluoromethane

Concen: 21.601 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

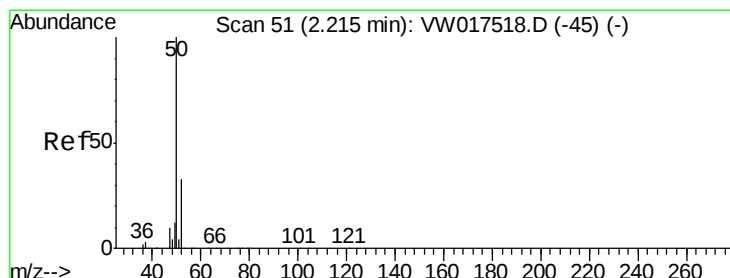
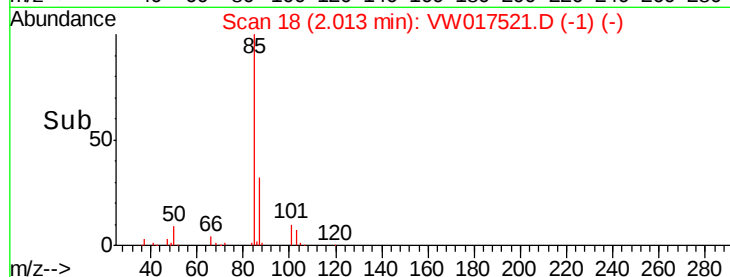
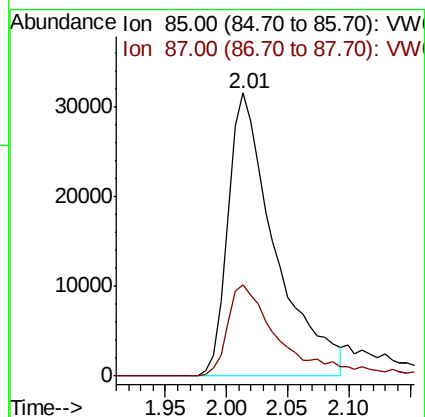
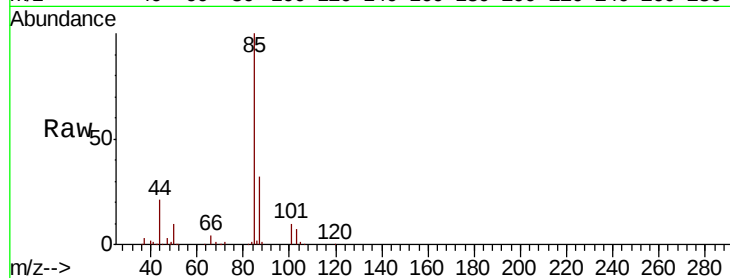
BFB36

Tot Ion: 85 Resp: 84009

Ion Ratio Lower Upper

85 100

87 30.4 28.5 42.7



#3

Chloromethane

Concen: 22.766 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017521.D

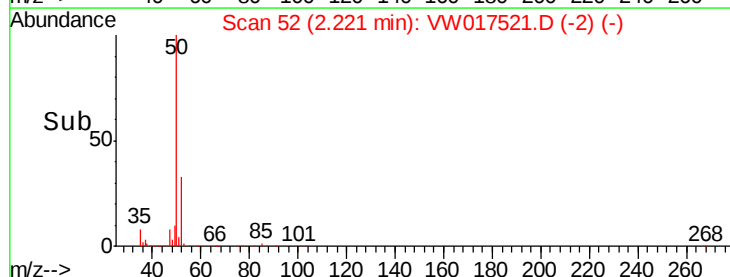
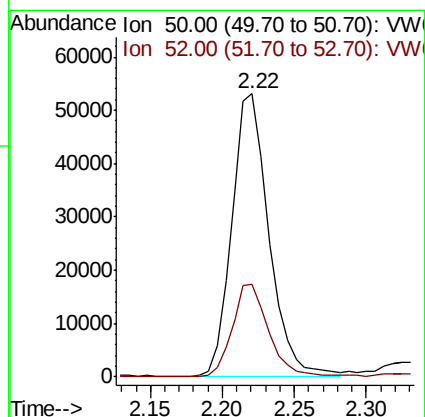
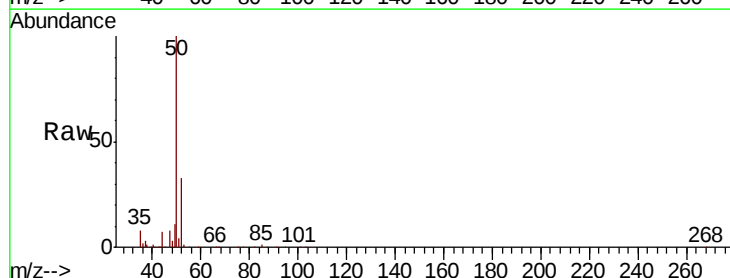
Acq: 02 Dec 2020 12:06

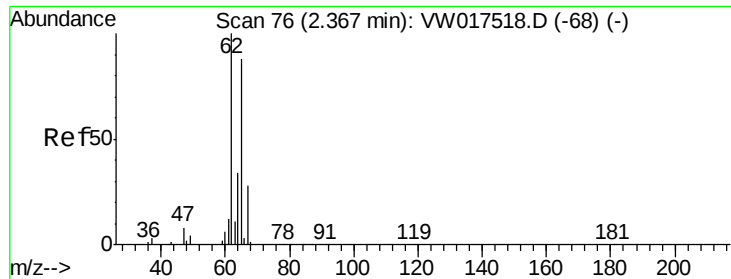
Tgt Ion: 50 Resp: 94643

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2





#5

Vinyl chloride

Concen: 23.252 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

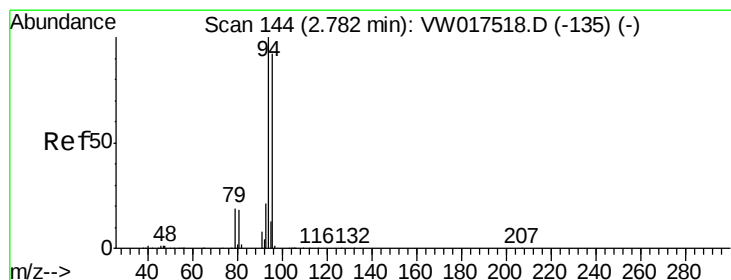
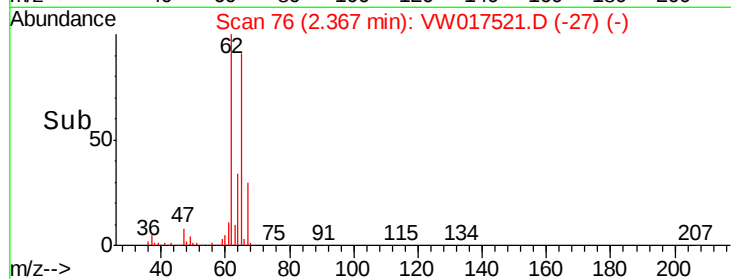
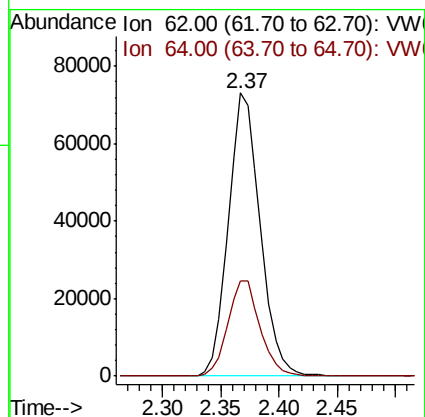
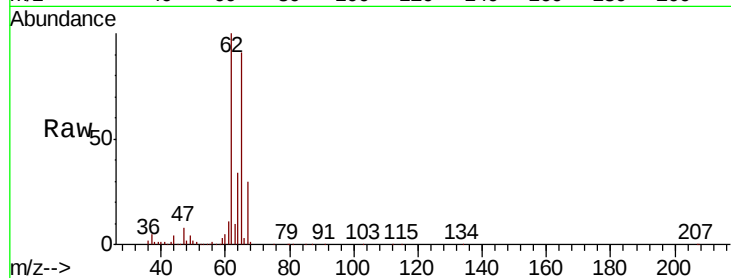
BFB36

Tot Ion: 62 Resp: 138374

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 23.330 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017521.D

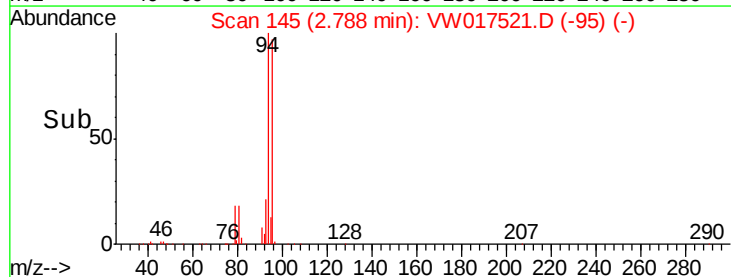
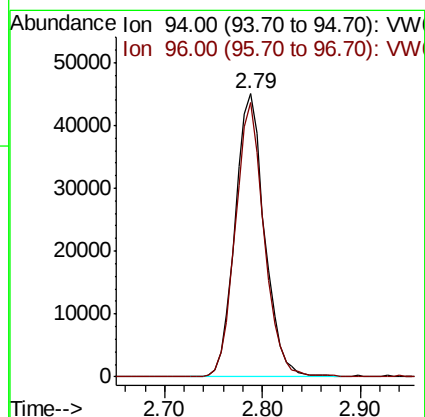
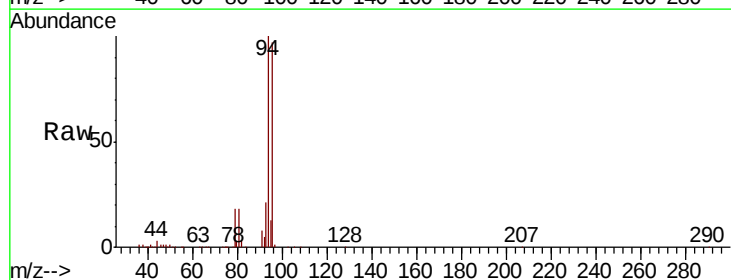
Acq: 02 Dec 2020 12:06

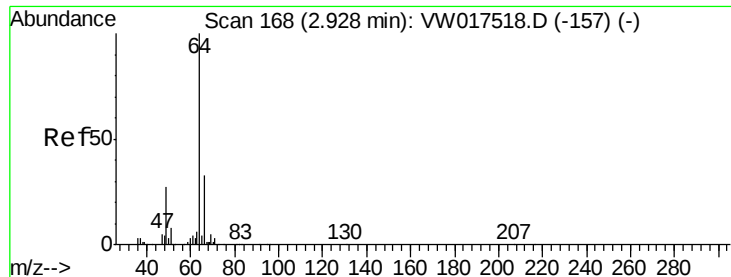
Tgt Ion: 94 Resp: 94402

Ion Ratio Lower Upper

94 100

96 96.8 64.2 119.2





#8

Chloroethane

Concen: 23.341 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

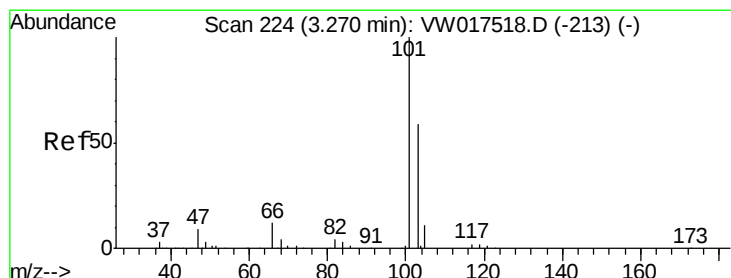
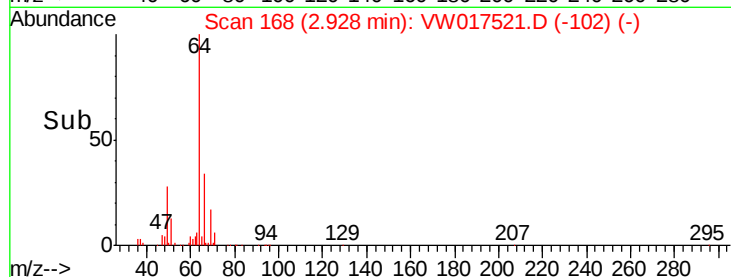
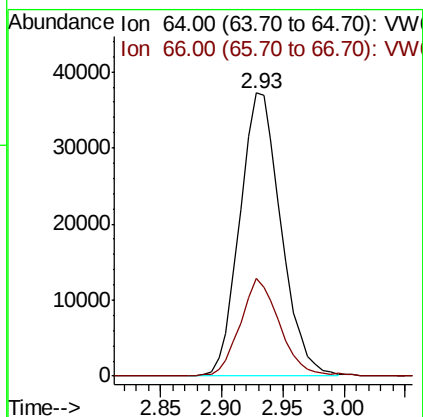
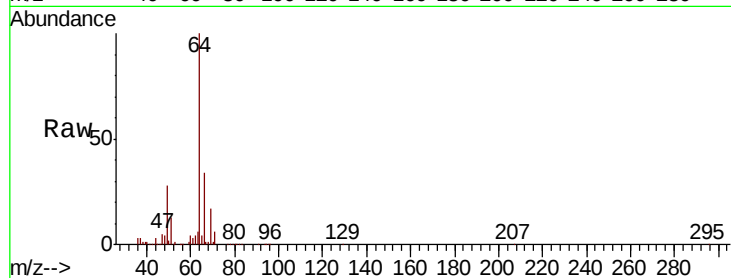
BFB36

Tot Ion: 64 Resp: 87253

Ion Ratio Lower Upper

64 100

66 34.4 23.2 43.2



#9

Trichlorofluoromethane

Concen: 24.093 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017521.D

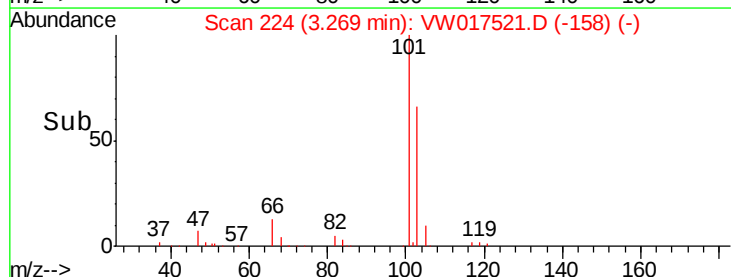
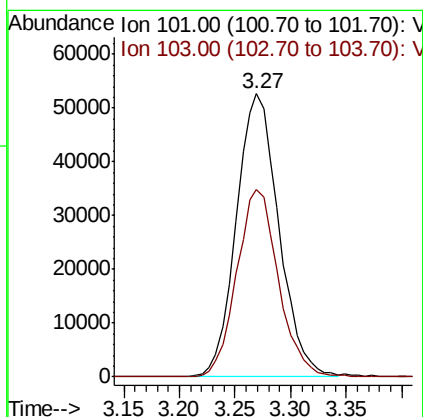
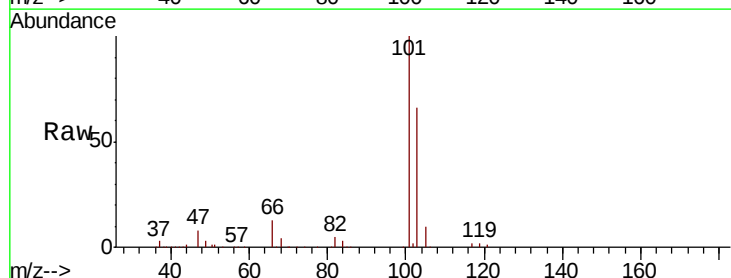
Acq: 02 Dec 2020 12:06

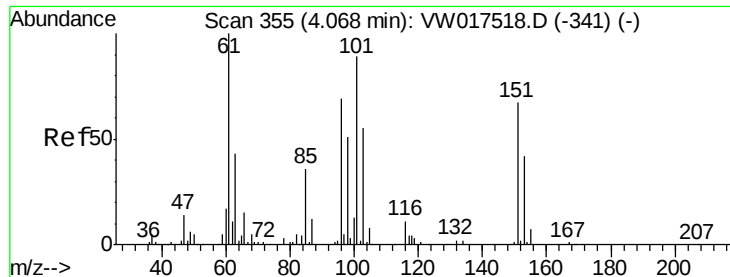
Tgt Ion: 101 Resp: 139407

Ion Ratio Lower Upper

101 100

103 65.2 50.6 75.8





#10

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

Concen: 23.514 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

BFB36

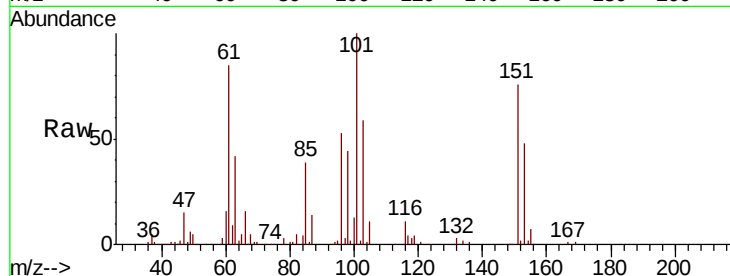
Tot Ion:101 Resp: 157605

Ion Ratio Lower Upper

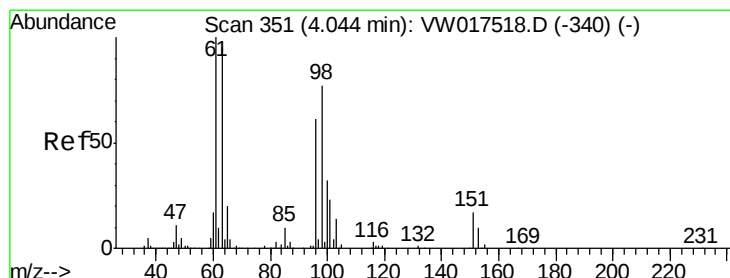
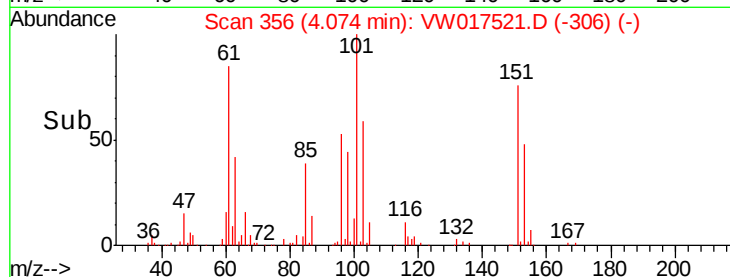
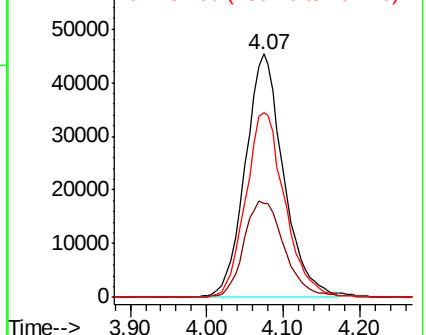
101 100

85 42.0 34.0 51.0

151 77.5 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.207 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

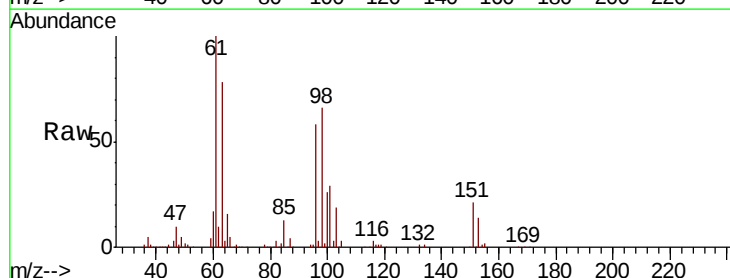
Tgt Ion: 96 Resp: 148124

Ion Ratio Lower Upper

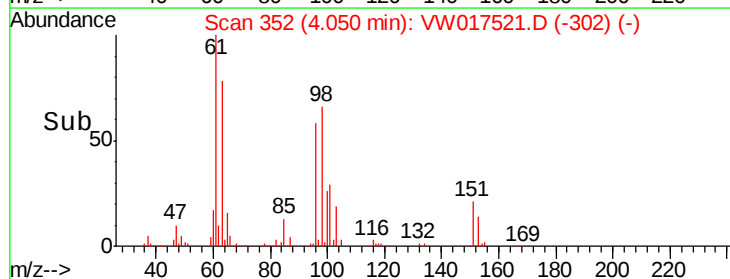
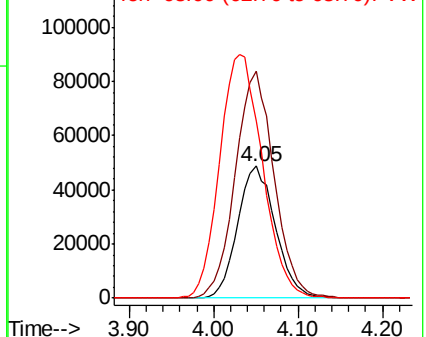
96 100

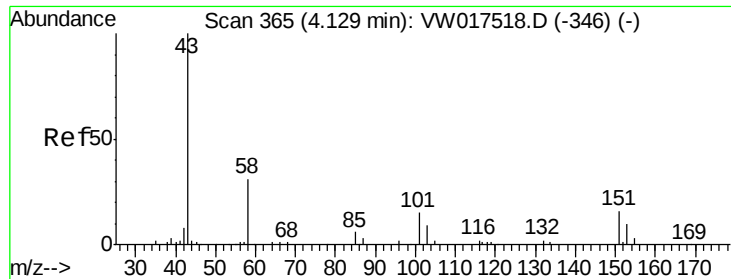
61 171.5 115.0 213.6

63 134.6 112.7 209.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.709 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

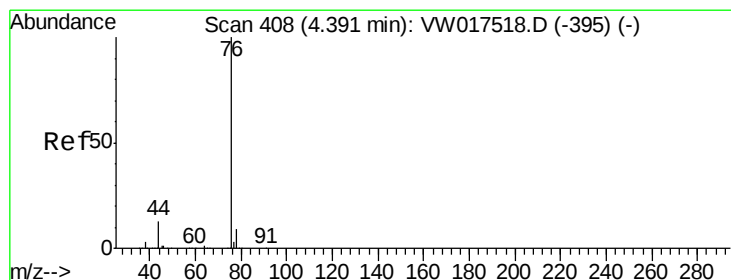
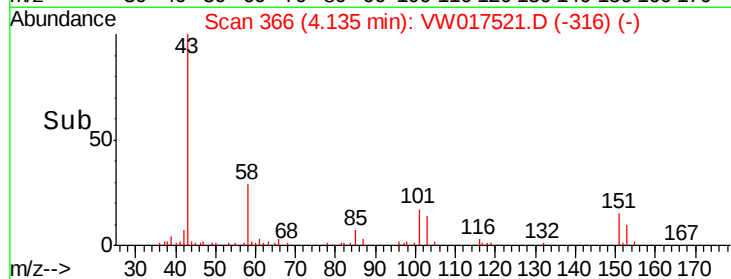
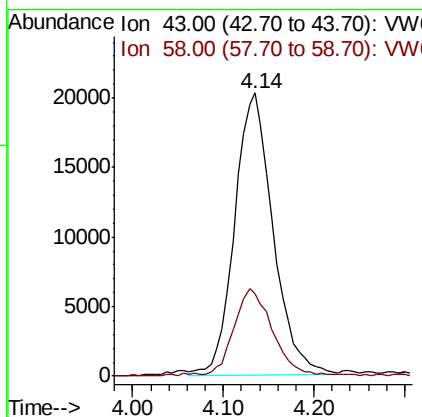
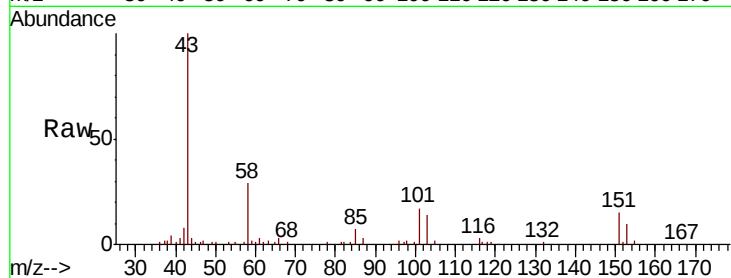
BFB36

Tot Ion: 43 Resp: 59550

Ion Ratio Lower Upper

43 100

58 31.1 0.0 59.2



#14

Carbon disulfide

Concen: 23.472 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017521.D

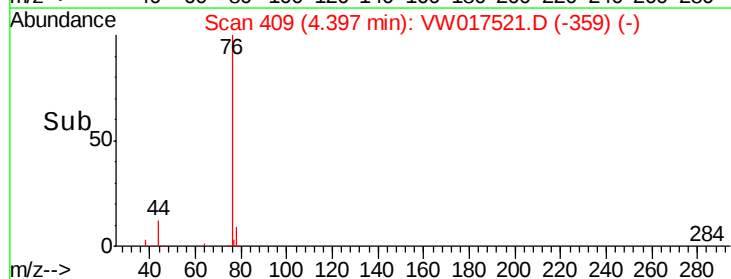
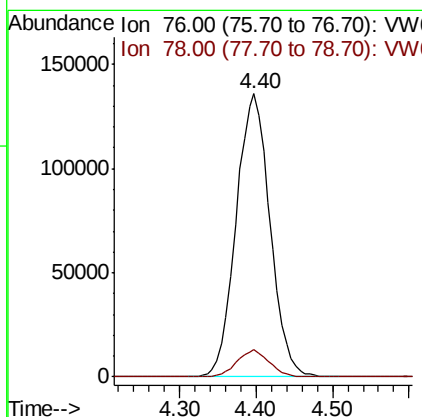
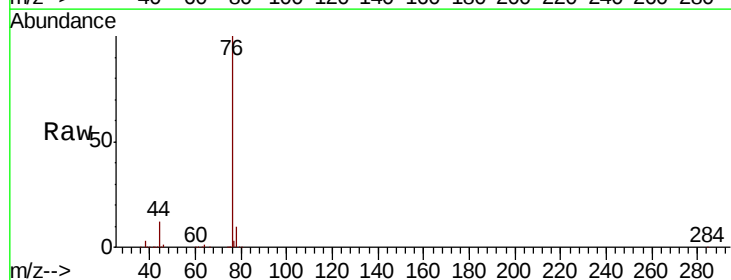
Acq: 02 Dec 2020 12:06

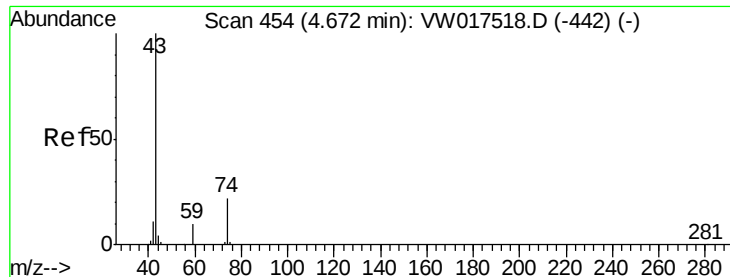
Tgt Ion: 76 Resp: 418333

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

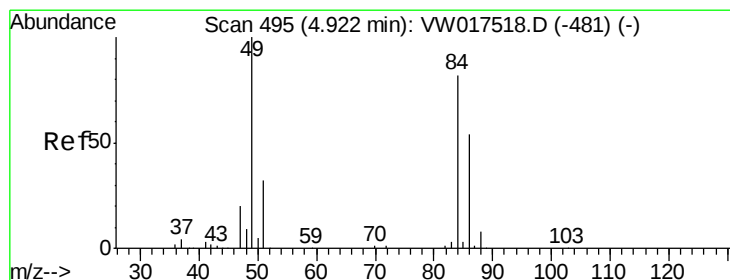
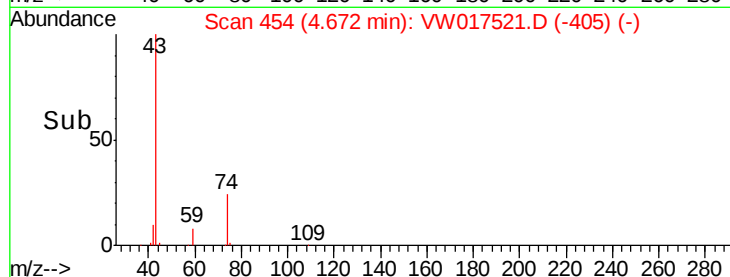
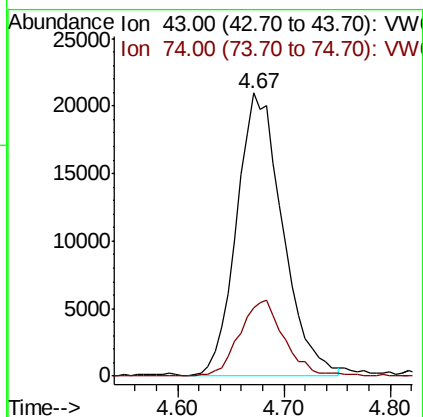
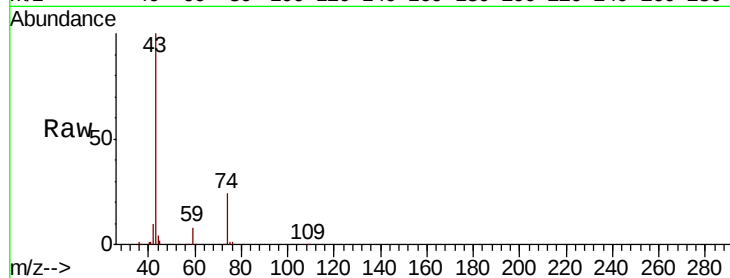




#15
Methvl Acetate
Concen: 23.776 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

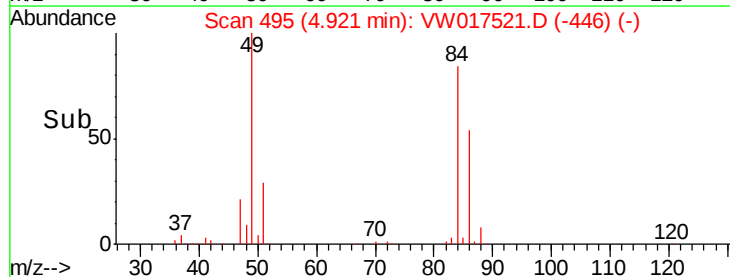
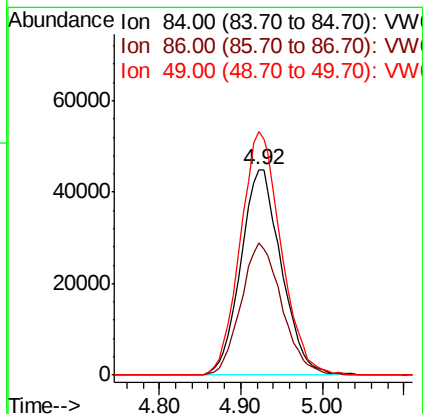
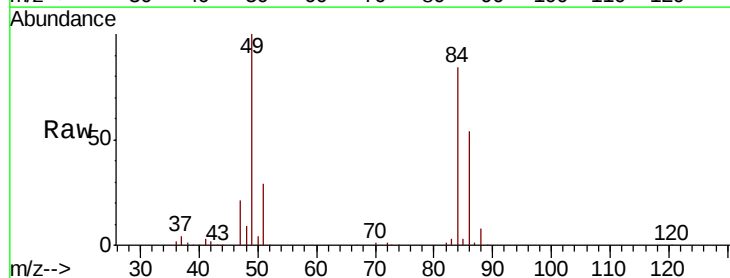
Instrument :
MSVOA_W
ClientSampleId :
BFB36

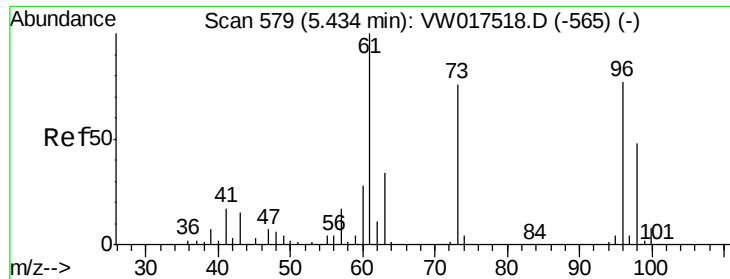
Tot Ion: 43 Resp: 63221
Ion Ratio Lower Upper
43 100
74 25.8 19.0 28.4



#16
Methylene chloride
Concen: 21.109 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion: 84 Resp: 155493
Ion Ratio Lower Upper
84 100
86 64.1 46.2 85.8
49 118.5 85.0 158.0

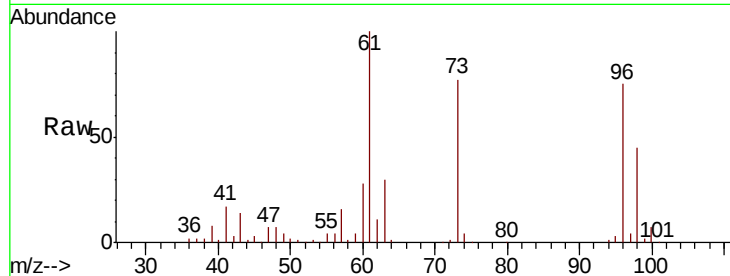




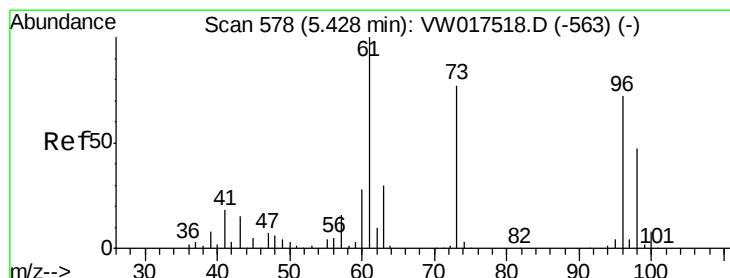
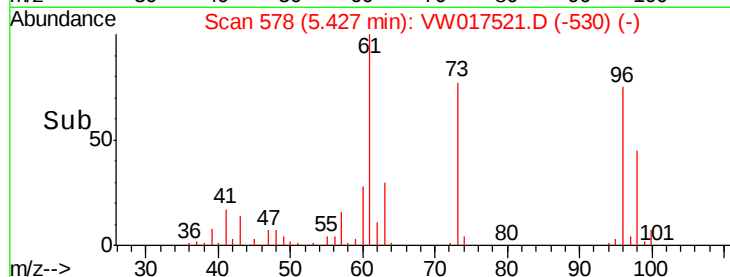
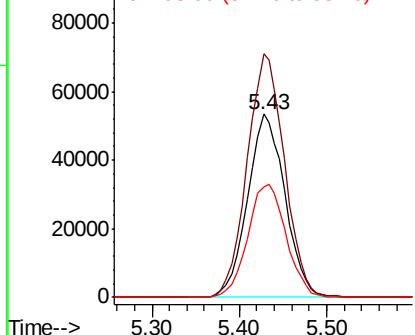
#17
trans-1,2-Dichloroethene
Concen: 23.945 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Instrument :
MSVOA_W
ClientSampled :
BFB36

Tot Ion: 96 Resp: 158445
Ion Ratio Lower Upper
96 100
61 132.8 91.4 169.8
98 60.3 44.0 81.8

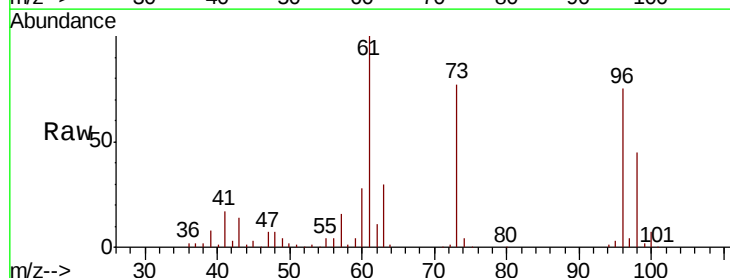


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

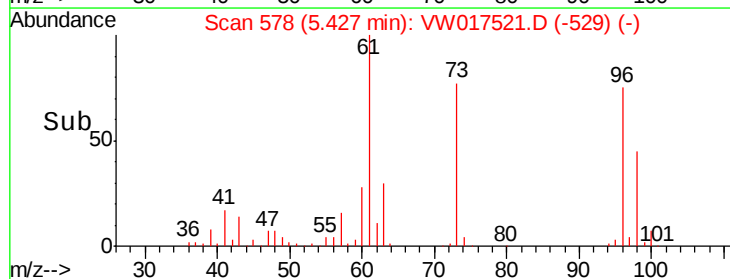
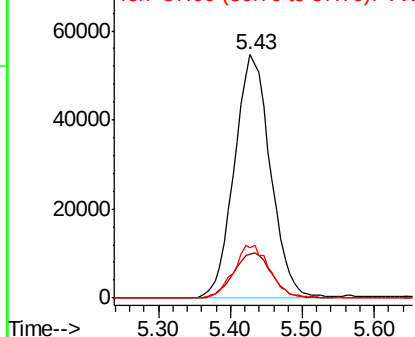


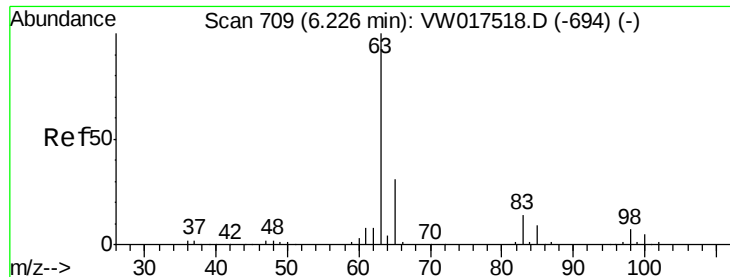
#18
Methyl tert-butyl Ether
Concen: 25.002 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion: 73 Resp: 190805
Ion Ratio Lower Upper
73 100
43 19.1 16.0 24.0
57 21.4 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

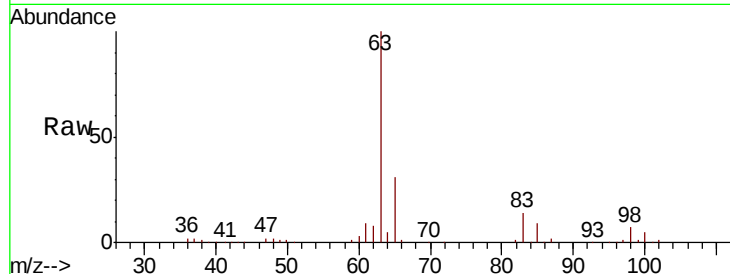




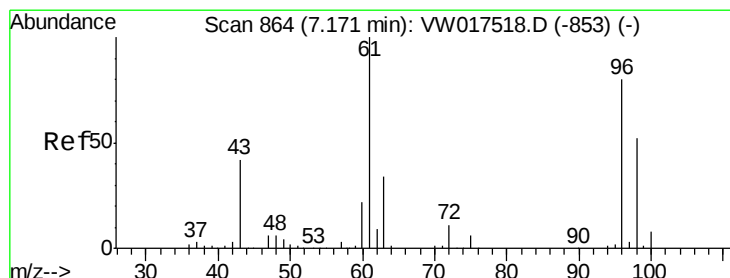
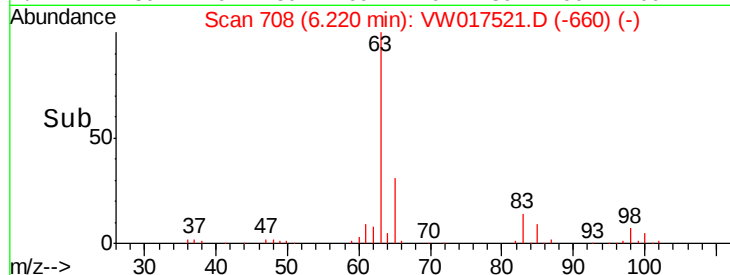
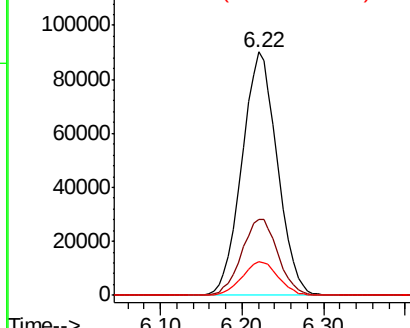
#19
 1,1-Dichloroethane
 Concen: 23.760 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW017521.D
 Acq: 02 Dec 2020 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB36

Tot Ion: 63 Resp: 271792
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 13.8 9.4 17.6

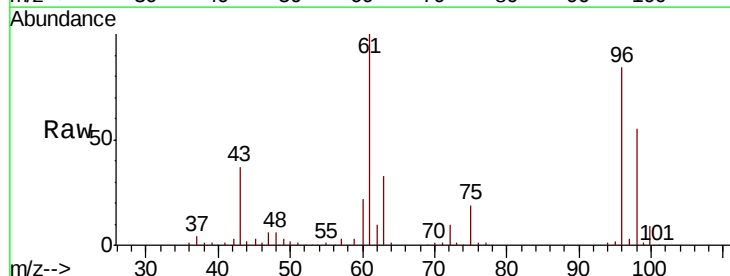


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

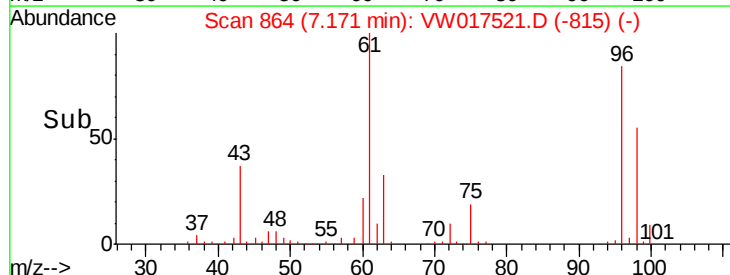
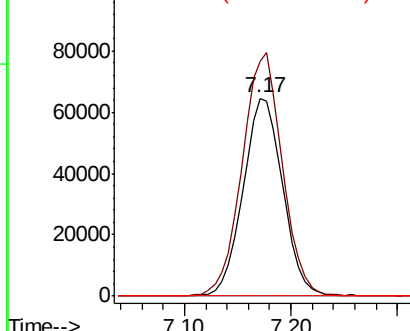


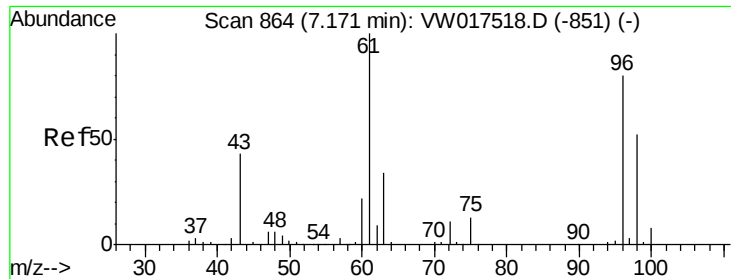
#20
 cis-1,2-Dichloroethene
 Concen: 23.739 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017521.D
 Acq: 02 Dec 2020 12:06

Tgt Ion: 96 Resp: 168240
 Ion Ratio Lower Upper
 96 100
 61 119.0 88.0 163.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 68.00 (67.70 to 68.70): VW

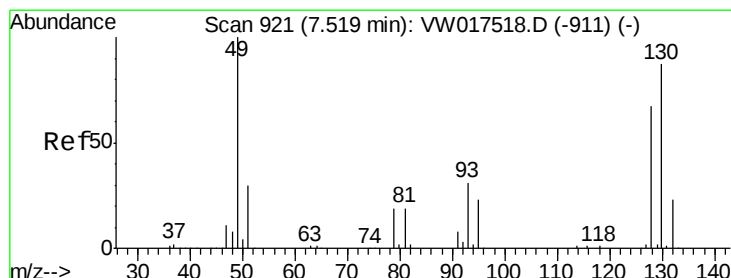
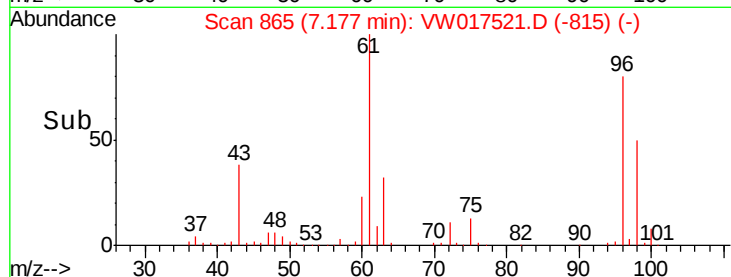
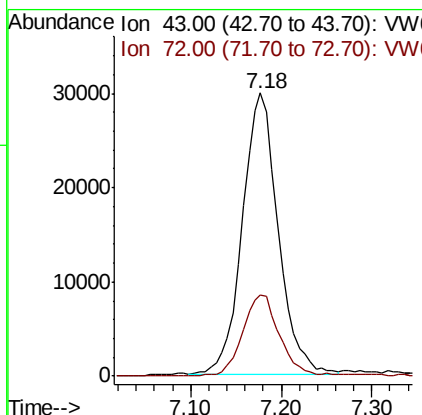
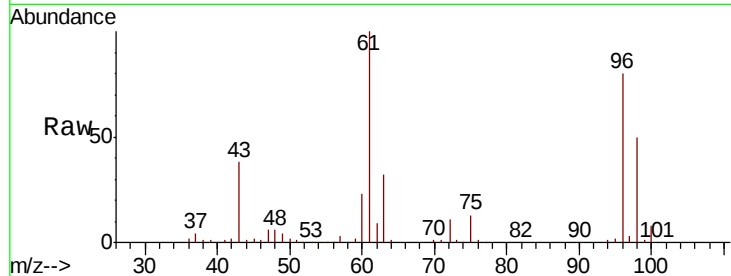




#22
2-Butanone
Concen: 41.633 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

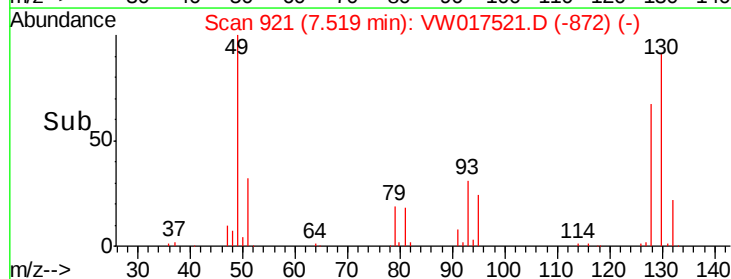
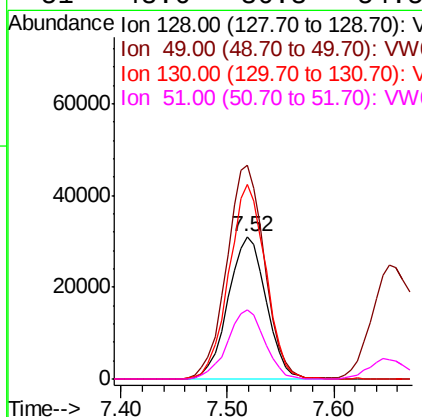
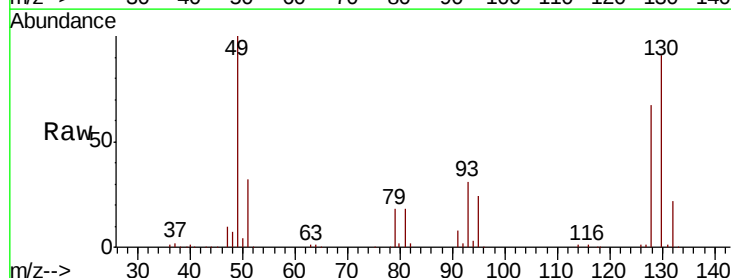
Instrument :
MSVOA_W
ClientSampleId :
BFB36

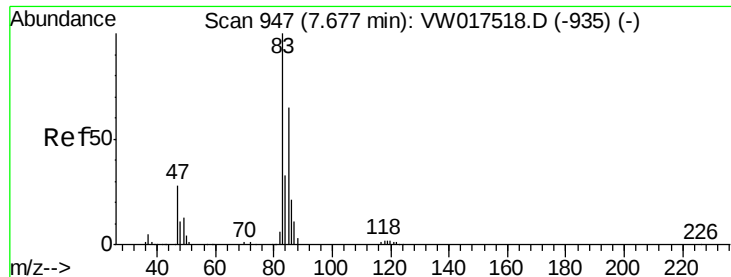
Tot Ion: 43 Resp: 81377
Ion Ratio Lower Upper
43 100
72 29.5 7.0 21.1#



#23
Bromochloromethane
Concen: 23.471 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion:128 Resp: 77799
Ion Ratio Lower Upper
128 100
49 150.1 104.7 194.4
130 136.7 90.8 168.6
51 48.6 36.3 54.5

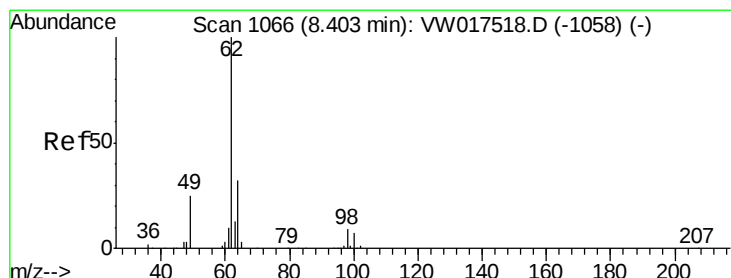
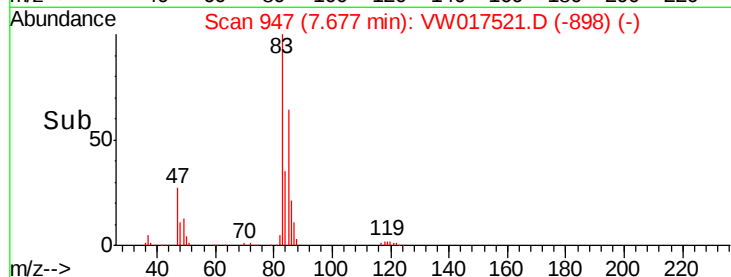
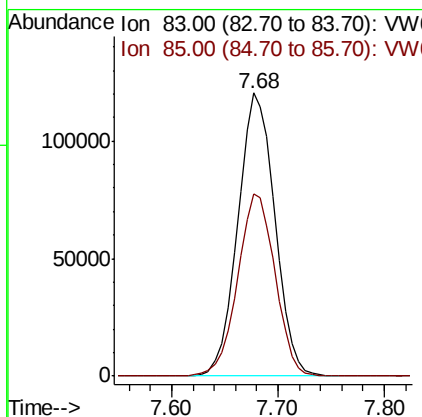
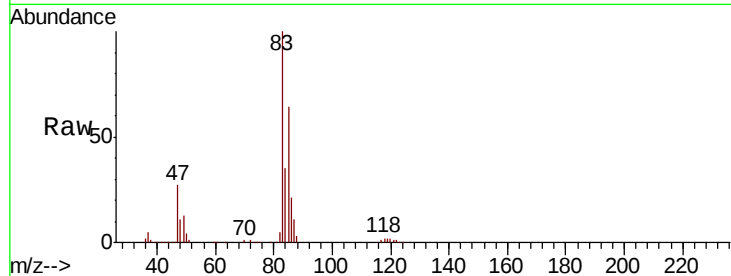




#25
Chloroform
Concen: 24.086 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

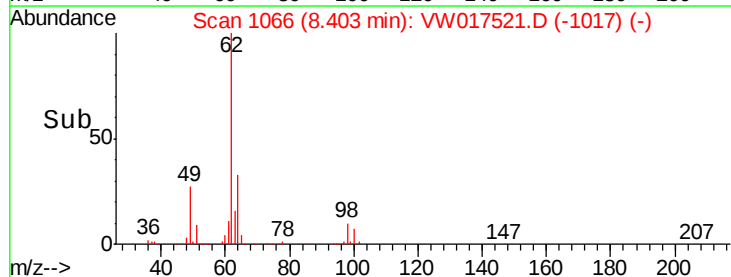
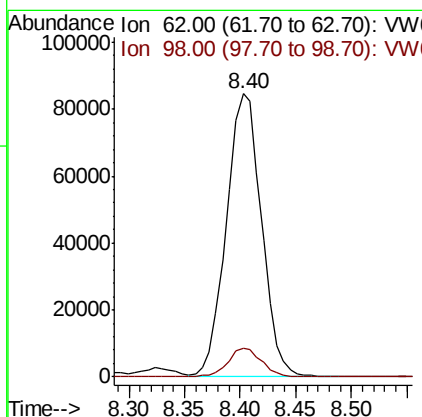
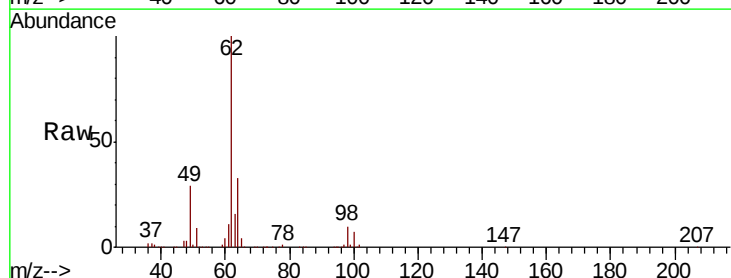
Instrument :
MSVOA_W
ClientSampleId :
BFB36

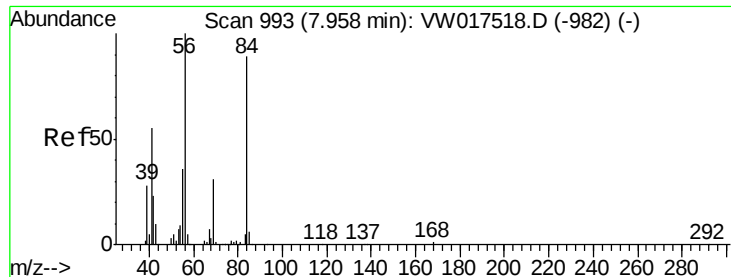
Tot Ion: 83 Resp: 294204
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 23.878 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion: 62 Resp: 185554
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.2

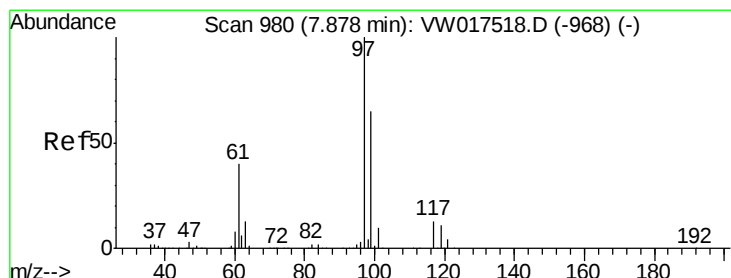
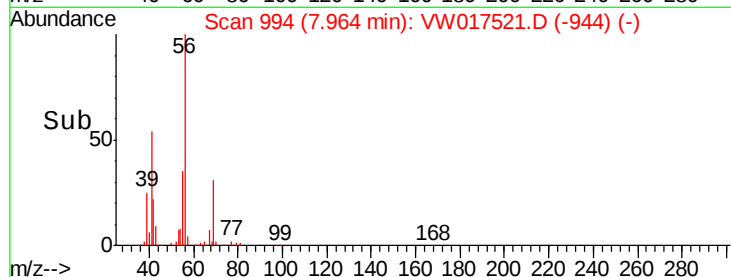
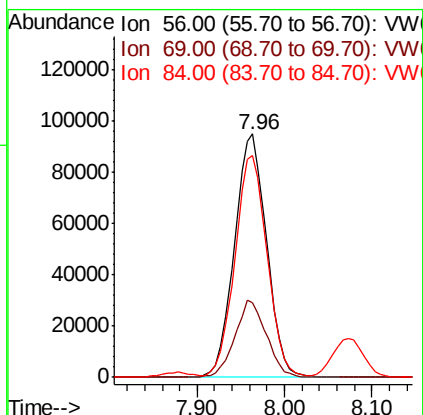
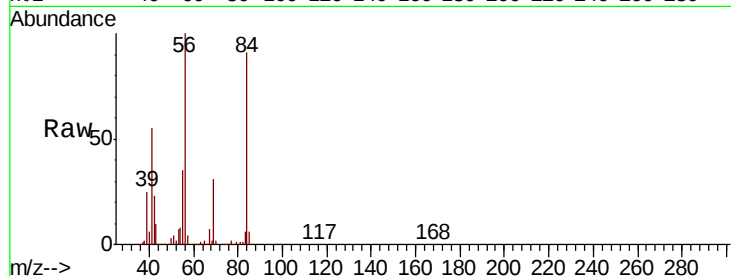




#29
Cyclohexane
Concen: 24.891 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

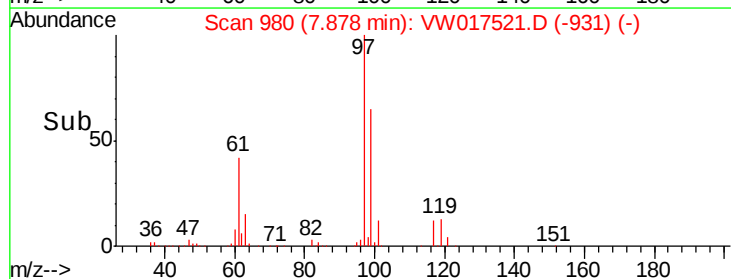
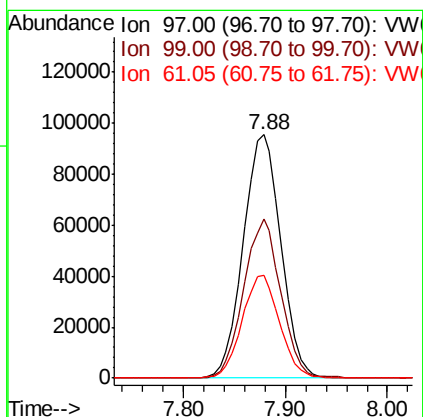
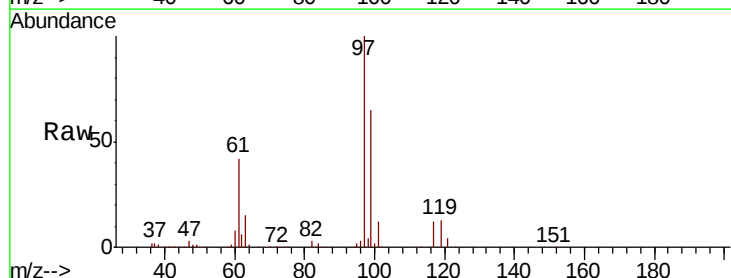
Instrument :
MSVOA_W
ClientSampleId :
BFB36

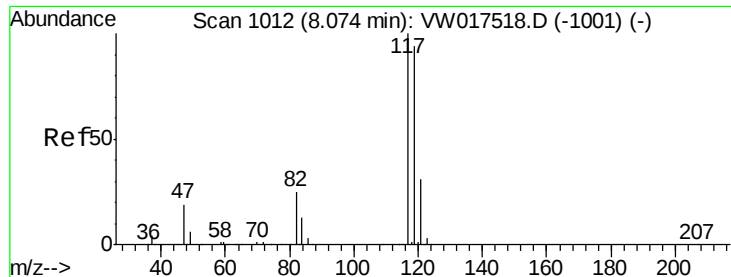
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.8	37.2
84	91.6	73.3	109.9



#30
1,1,1-Trichloroethane
Concen: 24.020 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	41.9	33.7	50.5

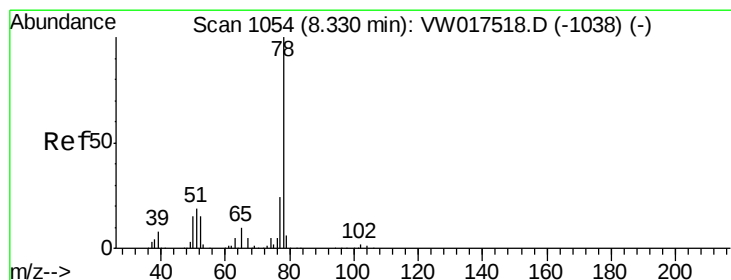
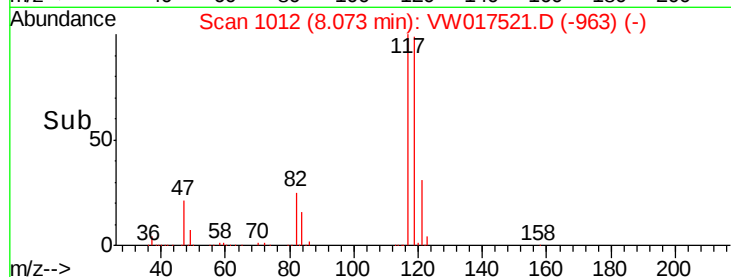
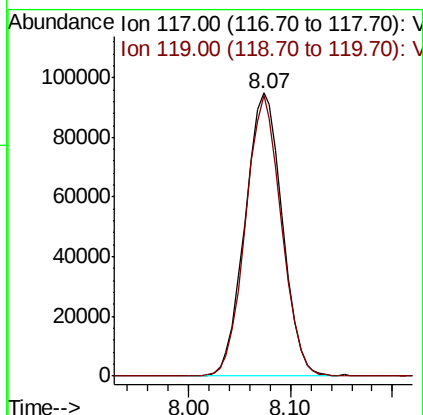
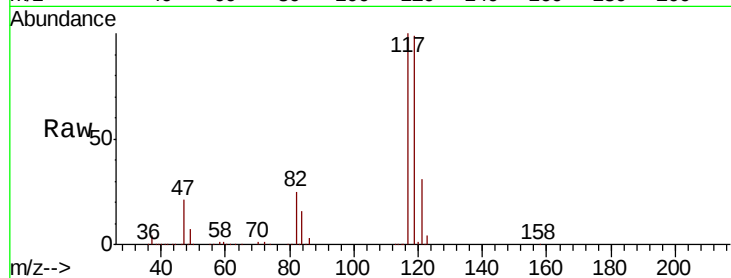




#31
Carbon tetrachloride
Concen: 24.168 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

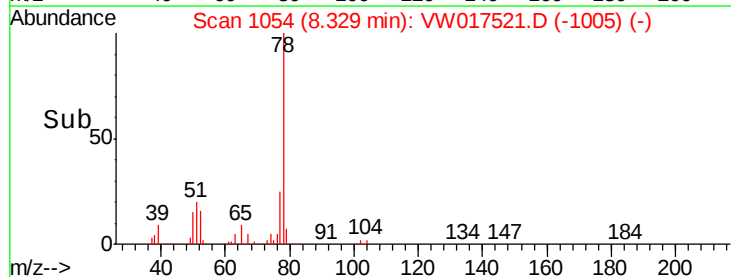
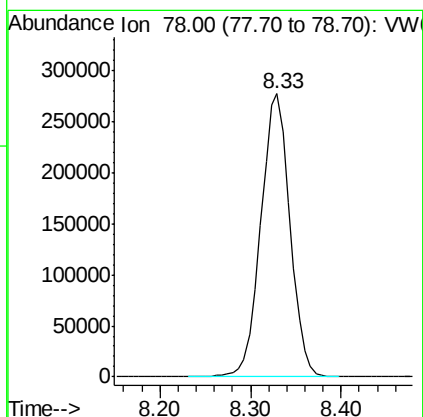
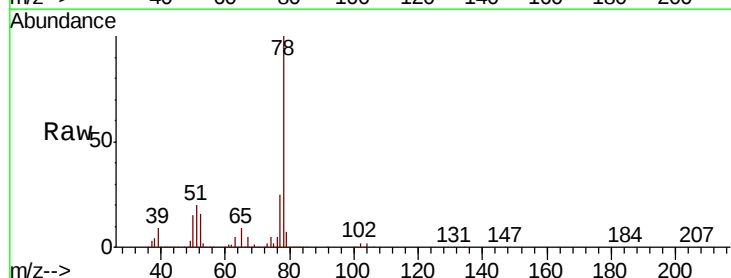
Instrument :
MSVOA_W
ClientSampleId :
BFB36

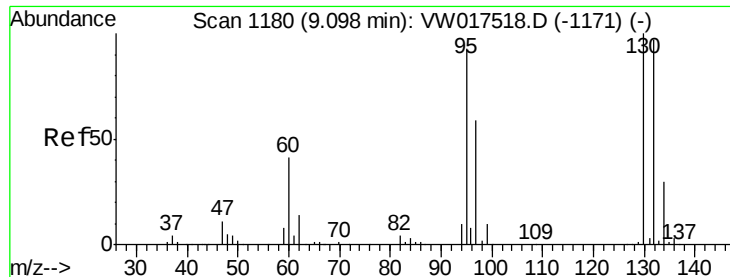
Tot Ion:117 Resp: 240575
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8



#33
Benzene
Concen: 24.087 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion: 78 Resp: 616248





#34

Trichloroethene

Concen: 23.677 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

BFB36

Tot Ion: 95 Resp: 167158

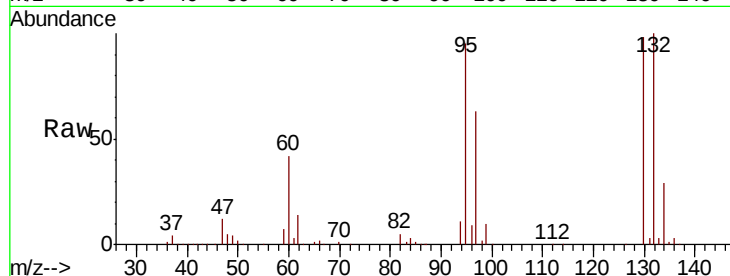
Ion Ratio Lower Upper

95 100

97 66.0 44.4 82.4

132 104.8 72.7 135.1

130 102.1 75.4 140.0

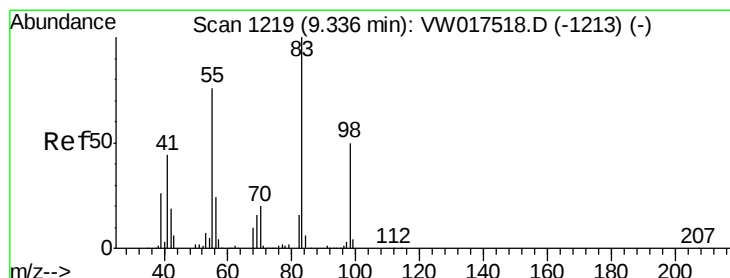
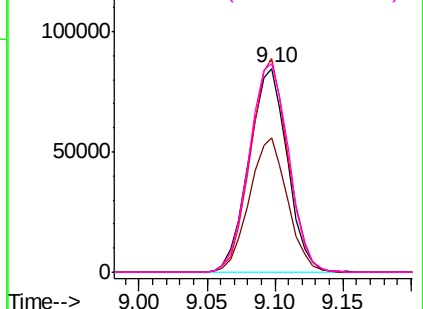
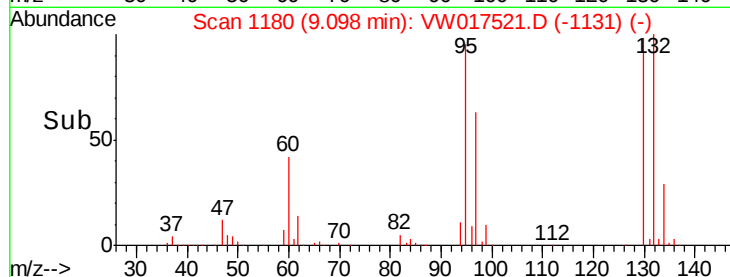


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#35

Methylcyclohexane

Concen: 24.311 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

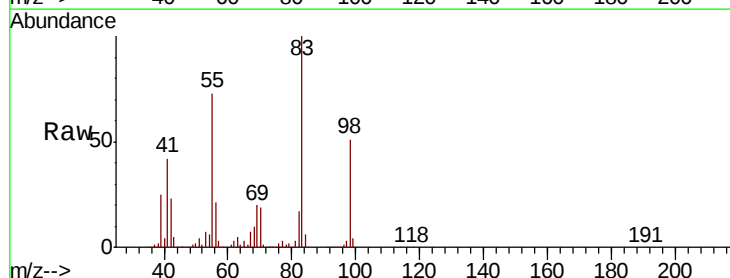
Tgt Ion: 83 Resp: 276462

Ion Ratio Lower Upper

83 100

55 75.1 58.2 87.2

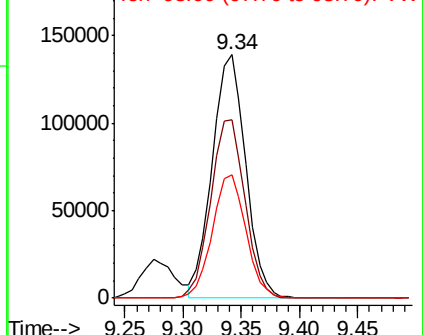
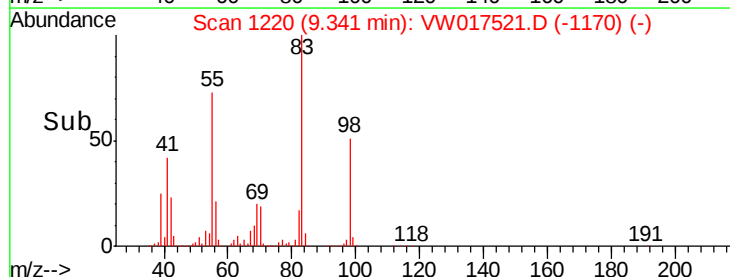
98 50.7 39.9 59.9

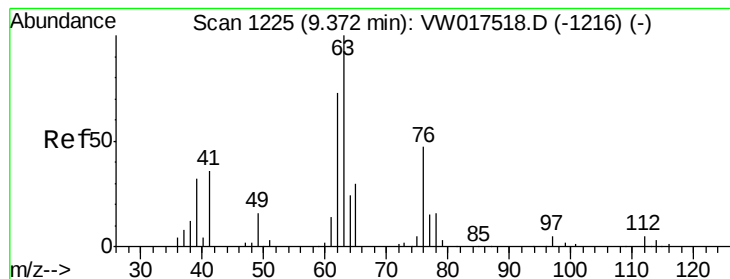


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 24.173 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

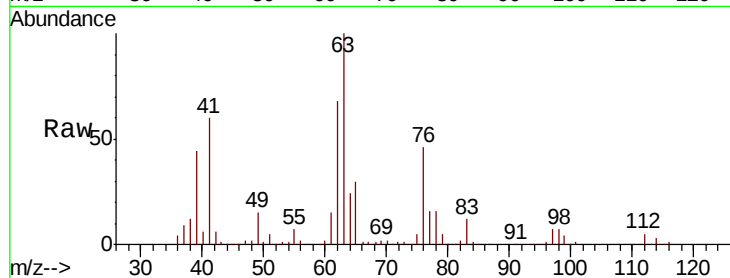
BFB36

Tot Ion: 63 Resp: 150995

Ion Ratio Lower Upper

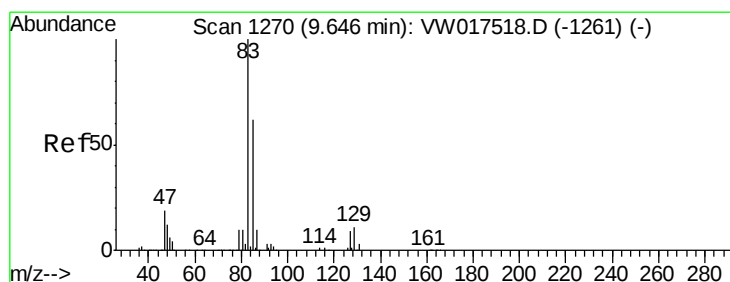
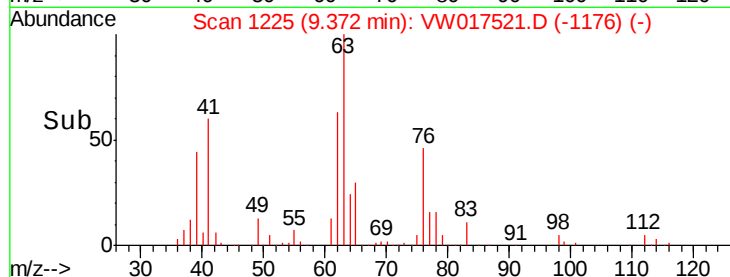
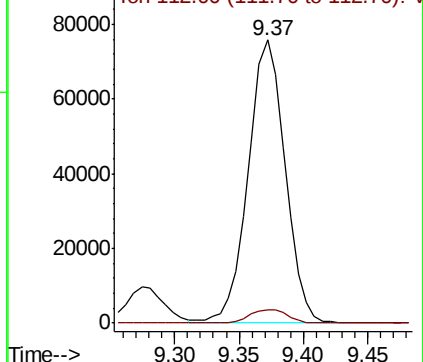
63 100

112 5.0 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 23.963 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

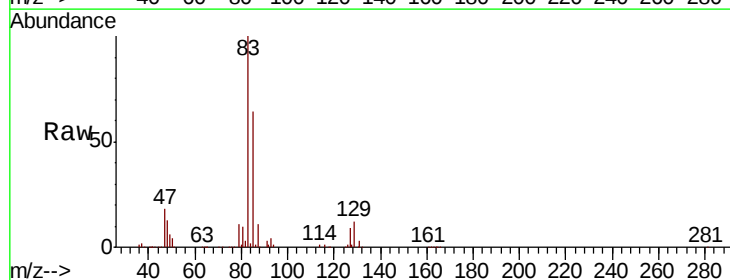
Tgt Ion: 83 Resp: 209183

Ion Ratio Lower Upper

83 100

85 63.8 43.3 80.5

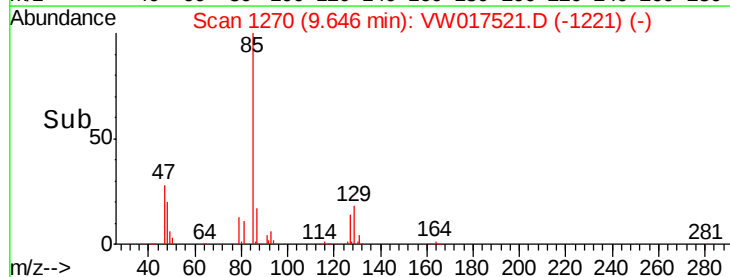
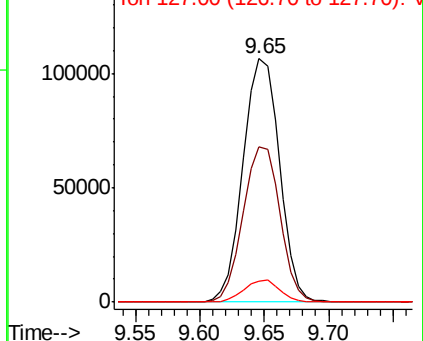
127 8.8 7.2 10.8

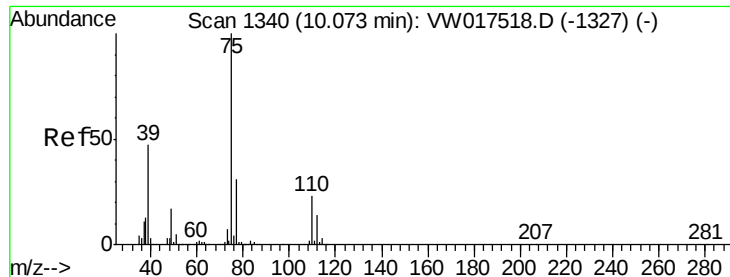


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 24.953 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

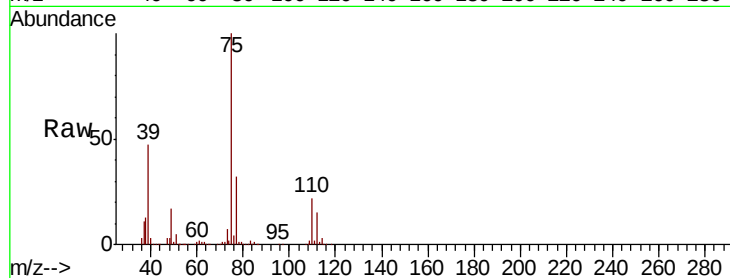
BFB36

Tot Ion: 75 Resp: 245306

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

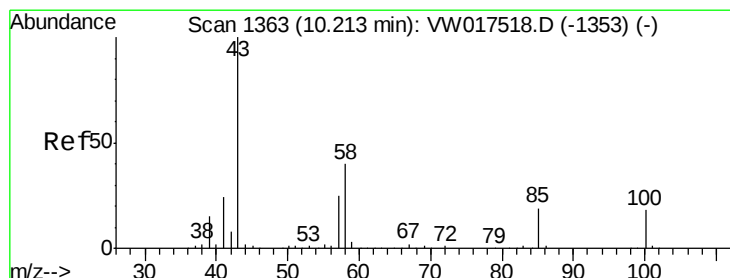
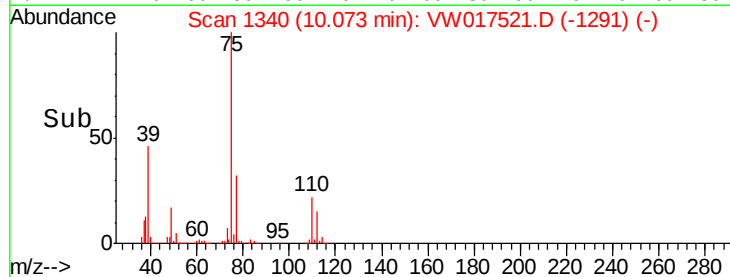
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 45.726 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

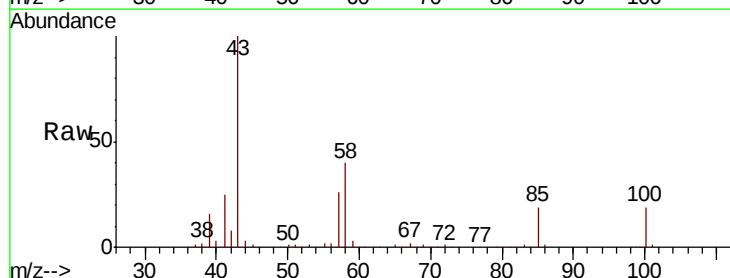
Tgt Ion: 43 Resp: 160493

Ion Ratio Lower Upper

43 100

58 37.4 30.8 46.2

100 17.5 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

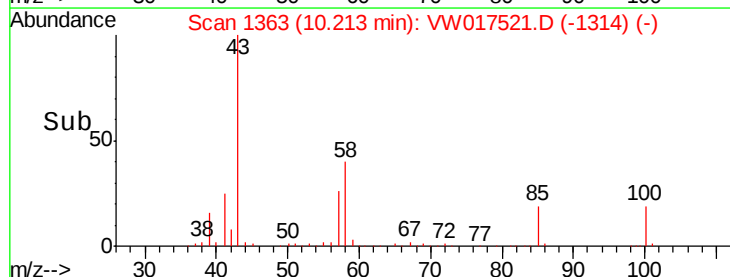
150000

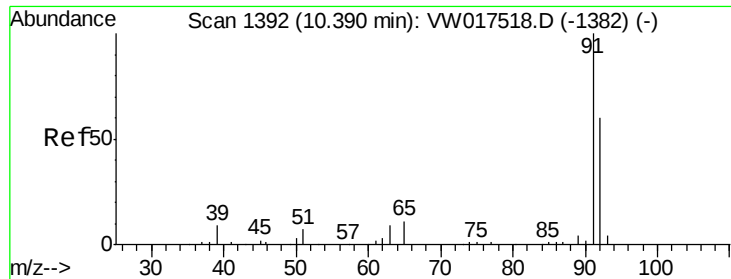
100000

50000

0

Time-->





#42

Toluene

Concen: 24.652 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

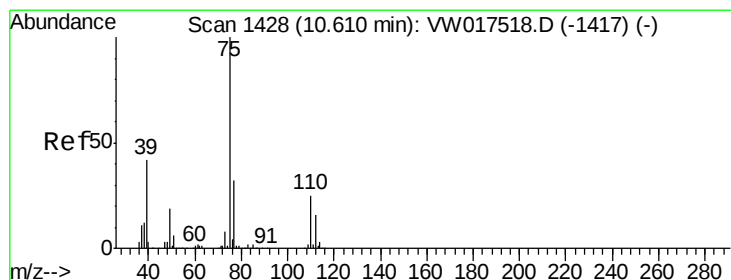
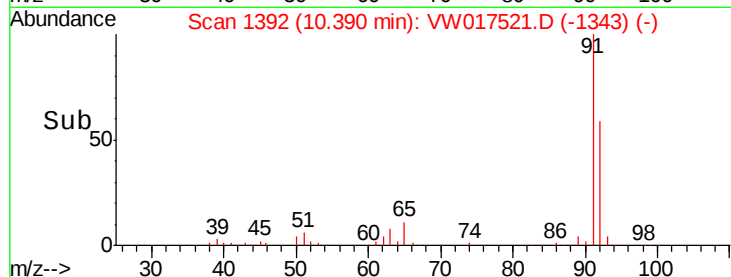
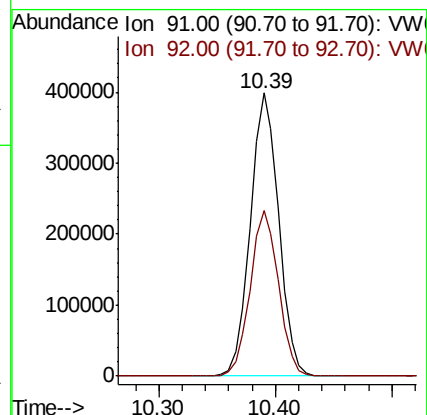
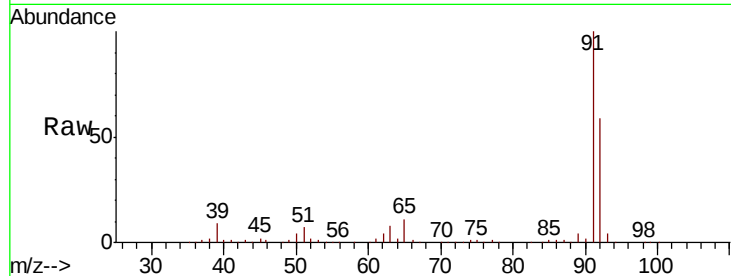
BFB36

Tot Ion: 91 Resp: 678203

Ion Ratio Lower Upper

91 100

92 58.6 42.3 78.5



#44

trans-1,3-Dichloropropene

Concen: 24.266 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017521.D

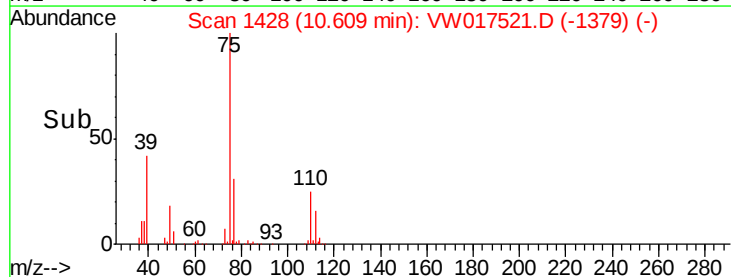
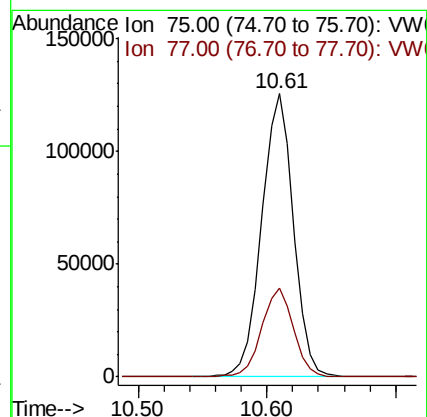
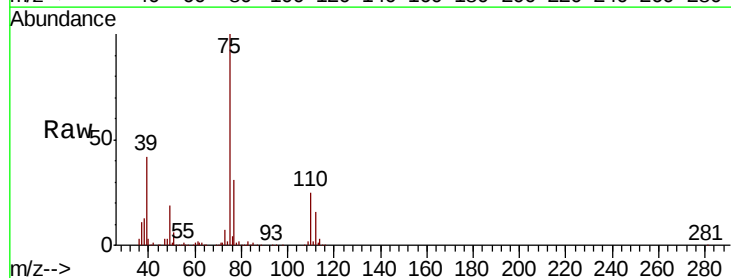
Acq: 02 Dec 2020 12:06

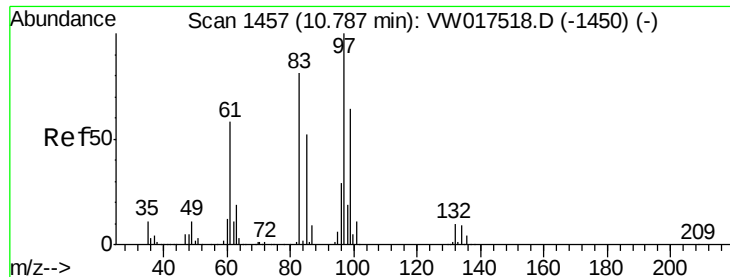
Tgt Ion: 75 Resp: 213815

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 23.862 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

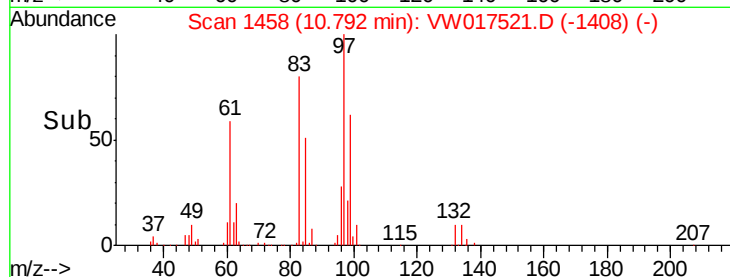
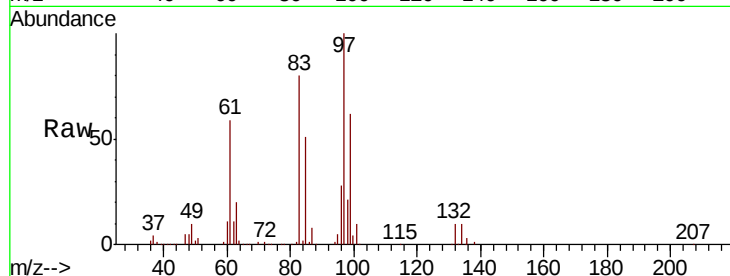
MSVOA_W

ClientSampleId :

BFB36

Tot Ion: 97 Resp: 117839

Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.5	82.7
83	80.3	56.7	105.3
85	51.3	36.5	67.7



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Time-->

10.79

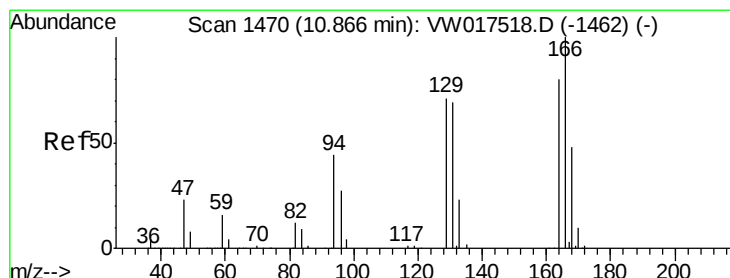
60000

40000

20000

0

10.70 10.75 10.80 10.85



#46

Tetrachloroethene

Concen: 23.534 ug/L

RT: 10.87 min Scan# 1470

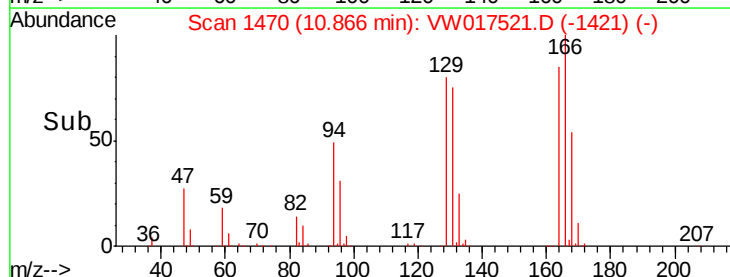
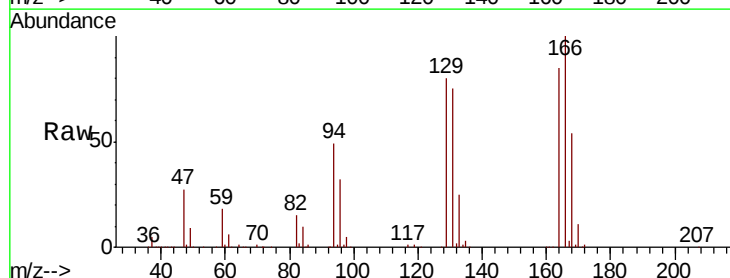
Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Tgt Ion: 164 Resp: 137866

Ion	Ratio	Lower	Upper
164	100		
129	94.7	61.9	115.1
131	88.7	60.4	112.2
166	118.0	87.5	162.5



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

Time-->

10.87

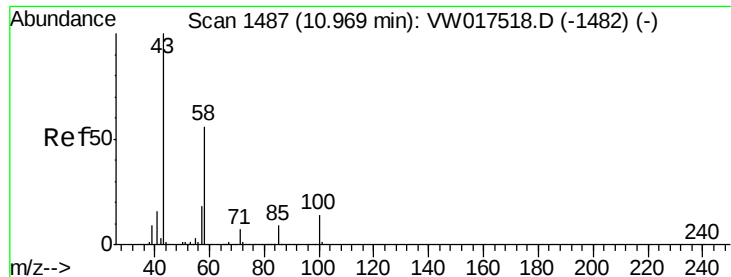
150000

100000

50000

0

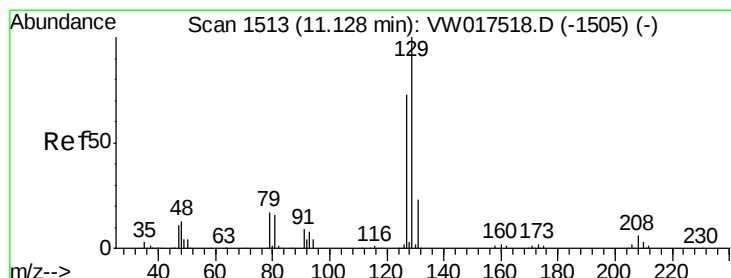
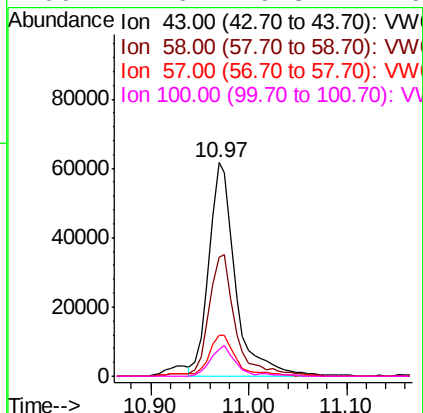
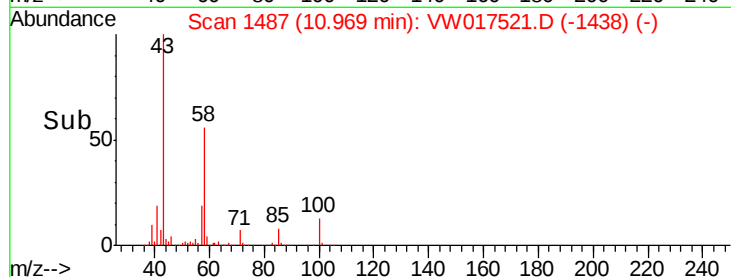
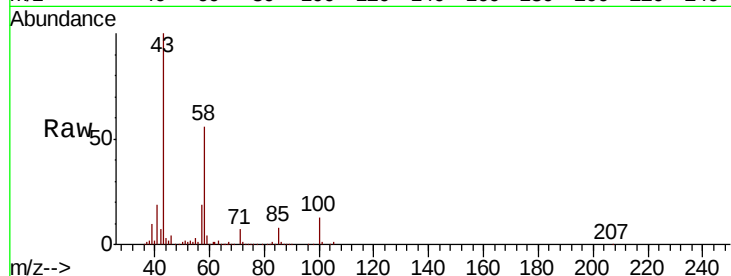
10.80 10.90



#48
2-Hexanone
Concen: 47.733 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

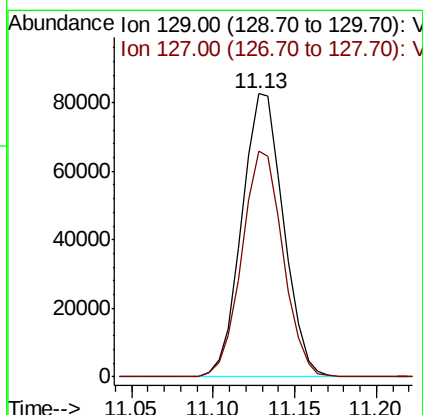
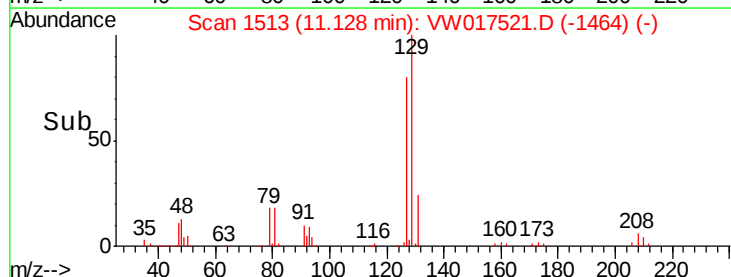
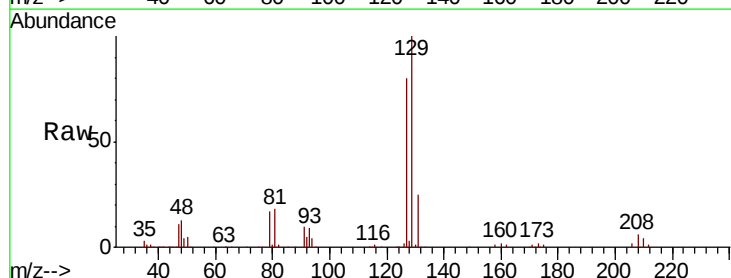
Instrument :
MSVOA_W
ClientSampleId :
BFB36

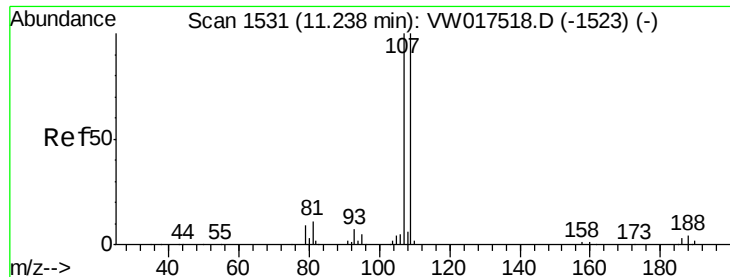
Tot Ion:	43	Resp:	115853
Ion	Ratio	Lower	Upper
43	100		
58	56.7	44.5	66.7
57	19.8	14.7	22.1
100	12.6	9.8	14.6



#49
Dibromochloromethane
Concen: 23.897 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion:	129	Resp:	147108
Ion	Ratio	Lower	Upper
129	100		
127	79.6	51.2	95.2

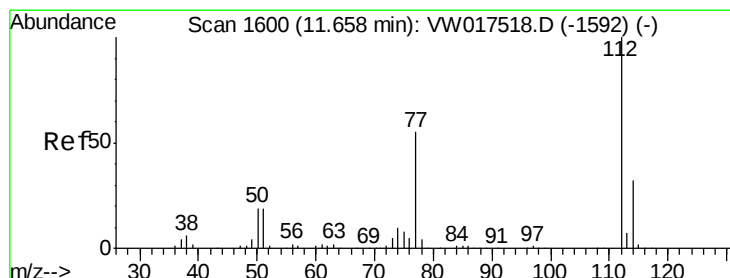
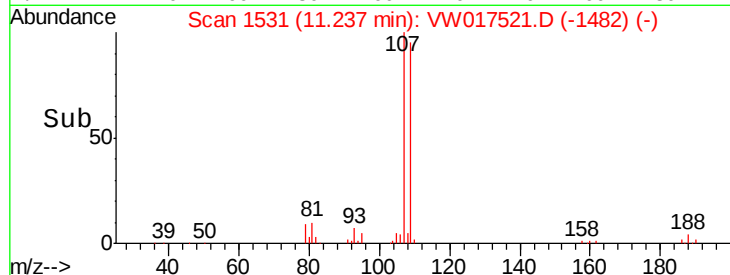
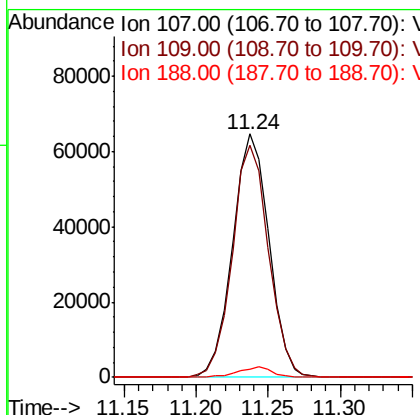
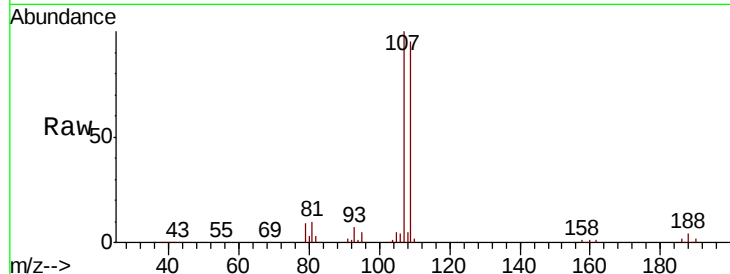




#50
1,2-Dibromoethane
Concen: 23.624 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

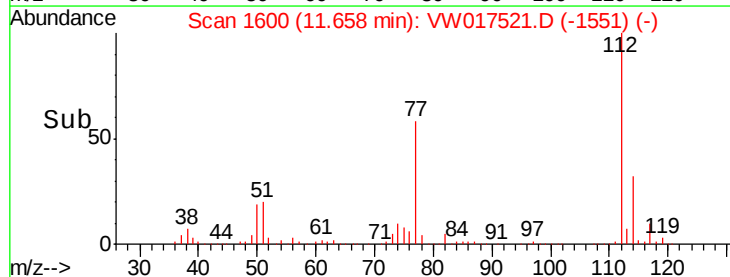
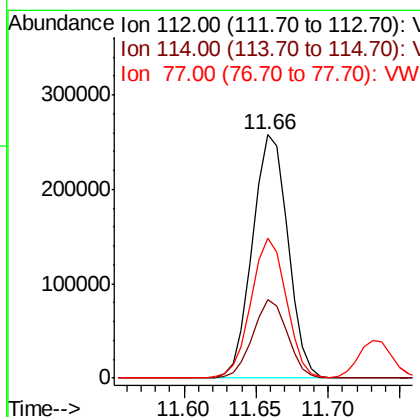
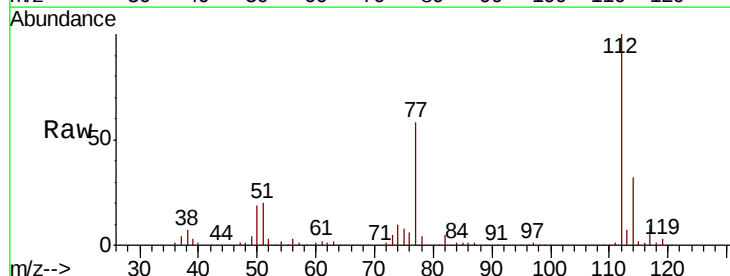
Instrument :
MSVOA_W
ClientSampleId :
BFB36

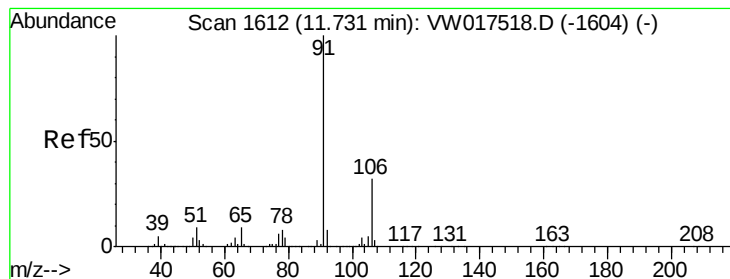
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	70.1	130.1
188	3.5	3.0	4.4



#51
Chlorobenzene
Concen: 24.128 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.6	42.0
77	57.7	44.3	66.5





#52

Ethylbenzene

Concen: 24.675 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

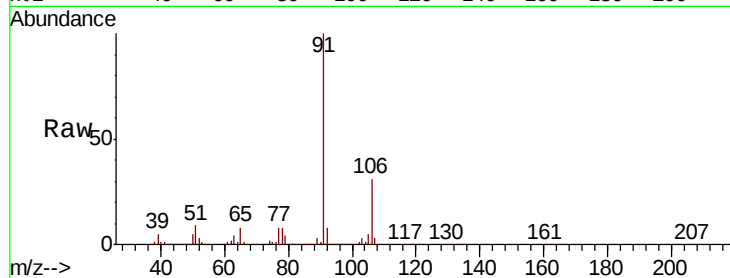
BFB36

Tot Ion: 91 Resp: 767593

Ion Ratio Lower Upper

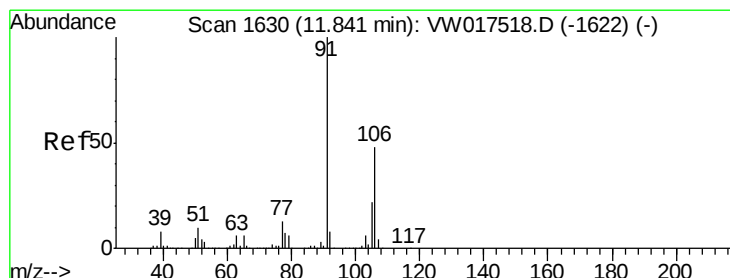
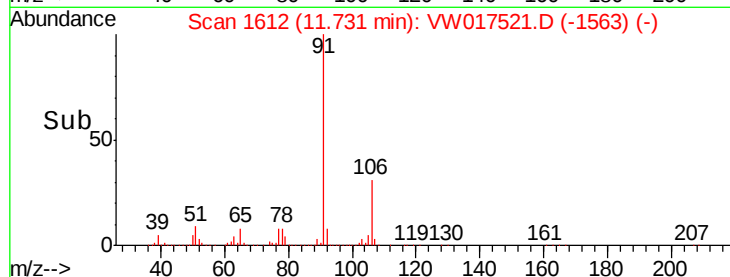
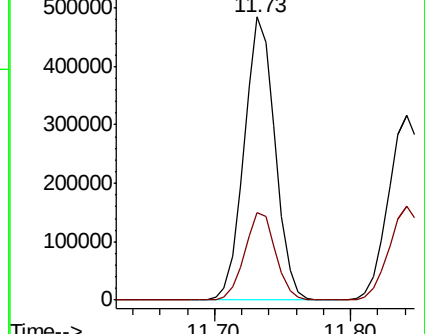
91 100

106 31.1 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 25.094 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017521.D

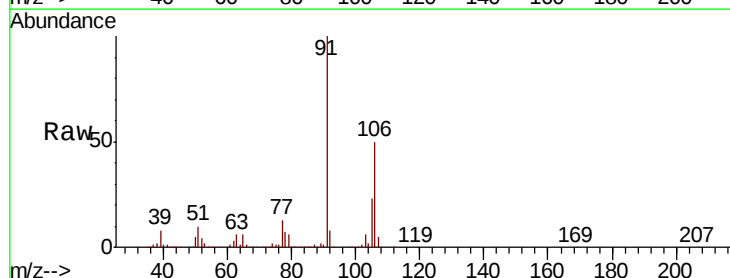
Acq: 02 Dec 2020 12:06

Tgt Ion: 106 Resp: 294983

Ion Ratio Lower Upper

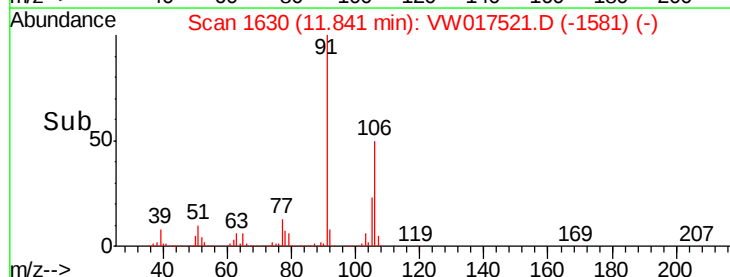
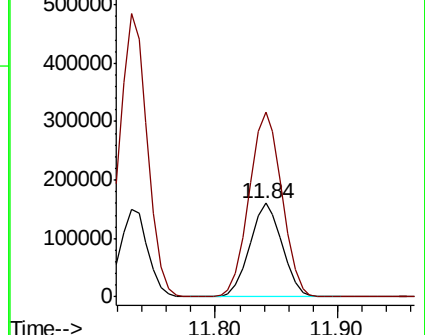
106 100

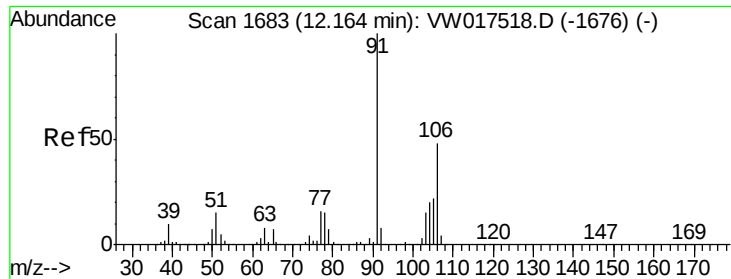
91 198.2 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

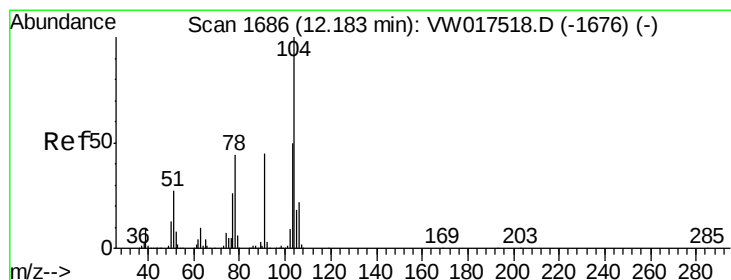
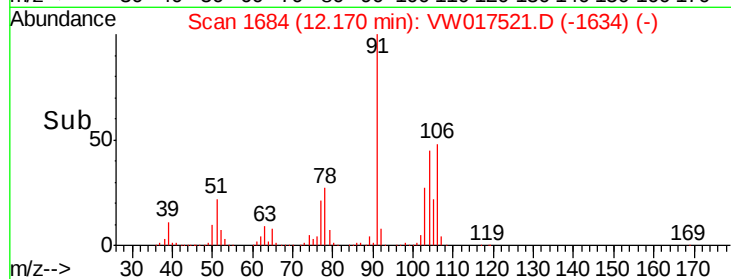
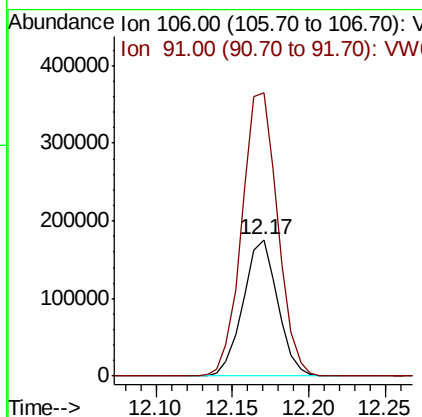
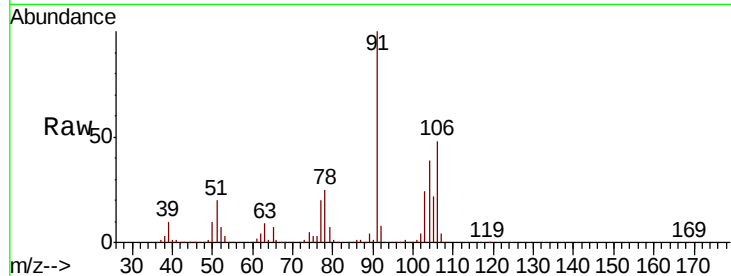




#54
o-Xylene
Concen: 24.764 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

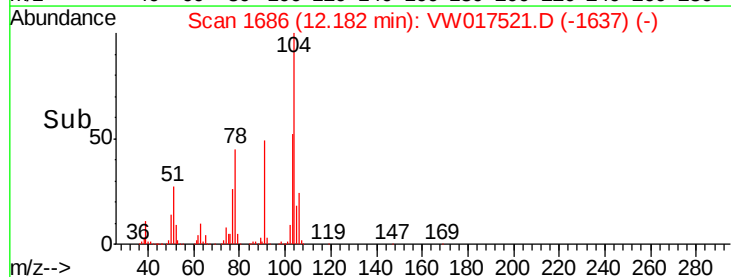
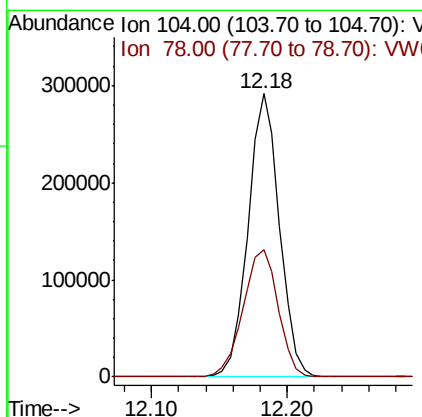
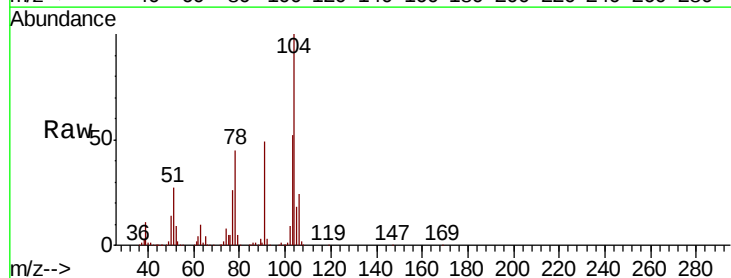
Instrument :
MSVOA_W
ClientSampled :
BFB36

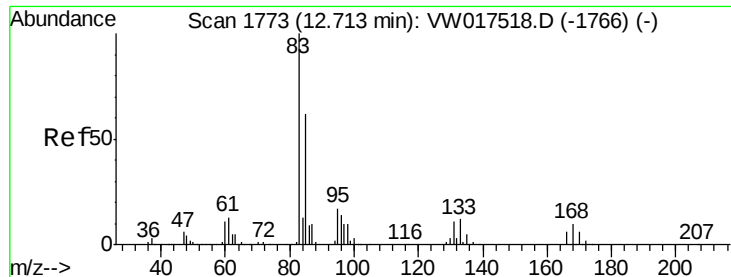
Tot Ion:106 Resp: 276371
Ion Ratio Lower Upper
106 100
91 207.4 146.0 271.2



#55
Styrene
Concen: 24.717 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017521.D
Acq: 02 Dec 2020 12:06

Tgt Ion:104 Resp: 471286
Ion Ratio Lower Upper
104 100
78 44.9 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 23.366 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

BFB36

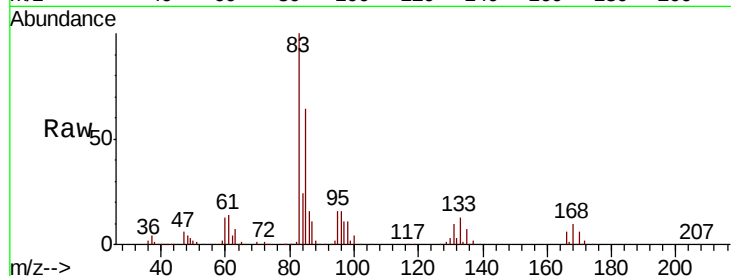
Tot Ion: 83 Resp: 134543

Ion Ratio Lower Upper

83 100

85 64.2 43.3 80.3

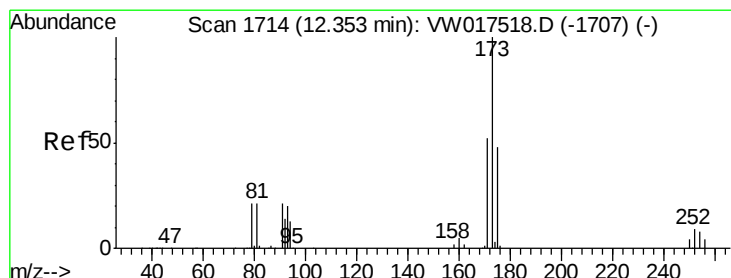
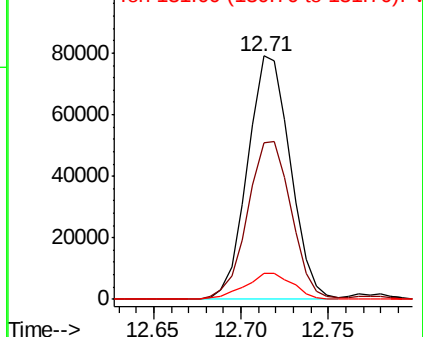
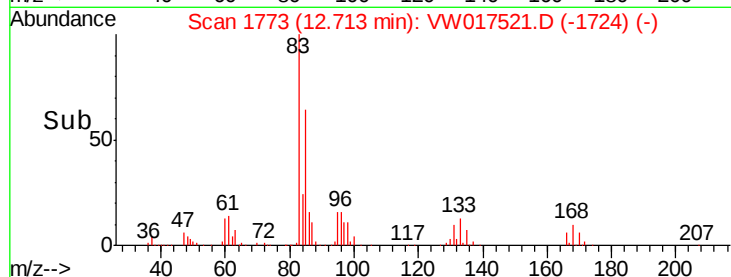
131 10.5 9.1 13.7



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

Bromoform

Concen: 23.058 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

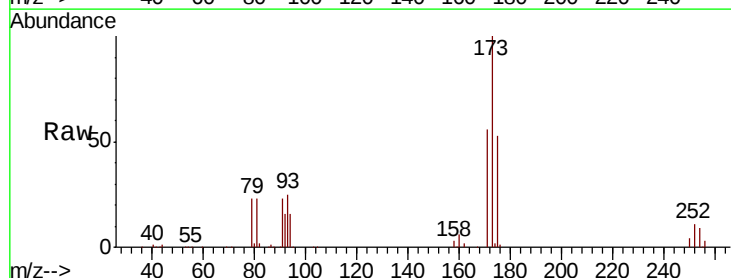
Tgt Ion:173 Resp: 85286

Ion Ratio Lower Upper

173 100

175 48.9 38.9 58.3

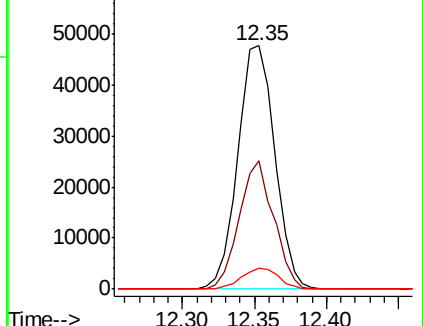
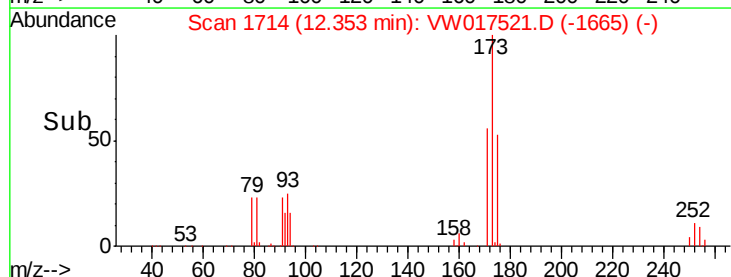
254 8.6 6.7 10.1

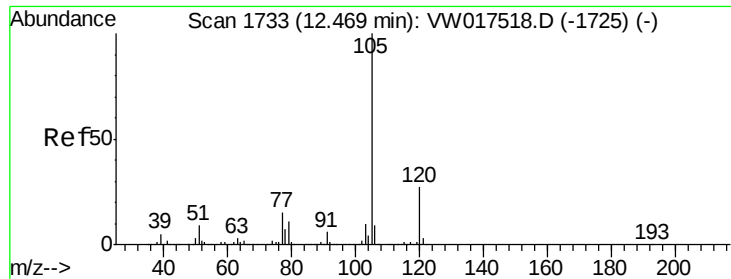


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 24.606 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

BFB36

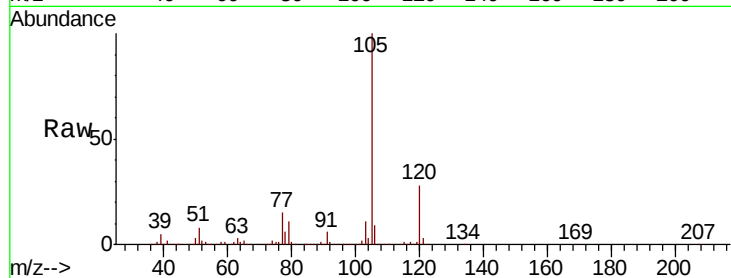
Tot Ion:105 Resp: 767472

Ion Ratio Lower Upper

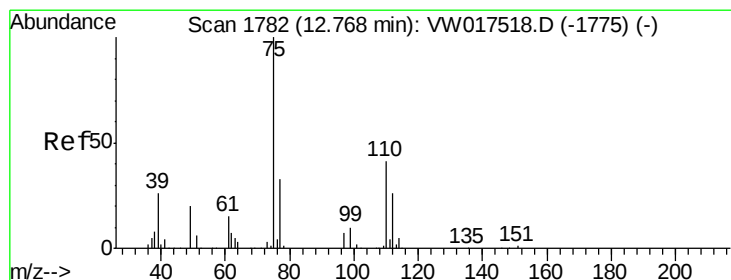
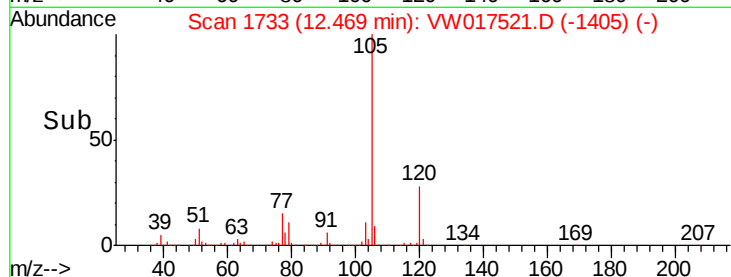
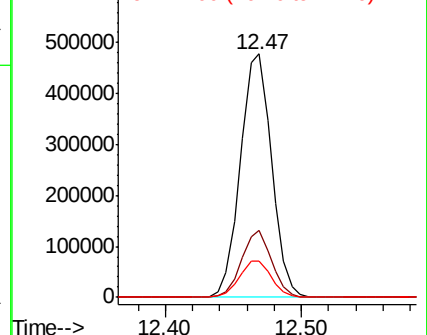
105 100

120 26.2 21.5 32.3

77 15.1 12.2 18.4



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



#61

1,2,3-Trichloropropane

Concen: 22.471 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

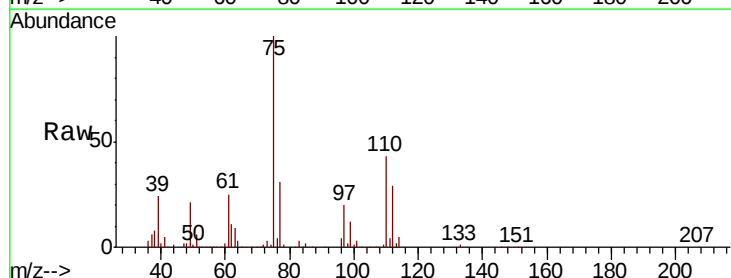
Tgt Ion: 75 Resp: 98118

Ion Ratio Lower Upper

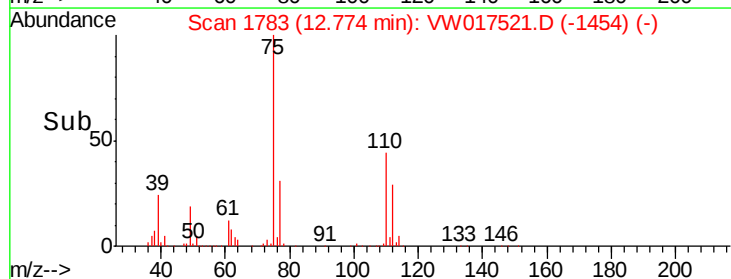
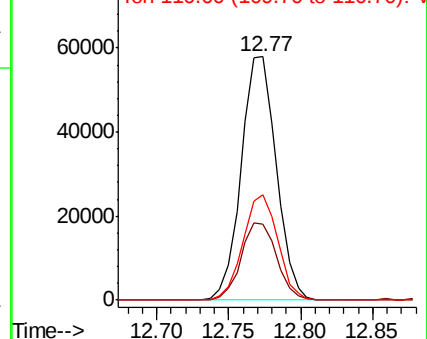
75 100

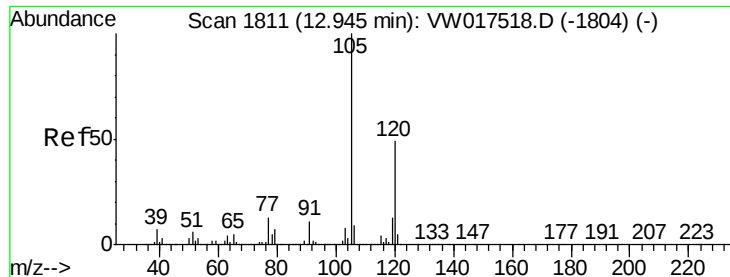
77 32.4 26.6 40.0

110 42.8 34.4 51.6



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 24.827 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampled :

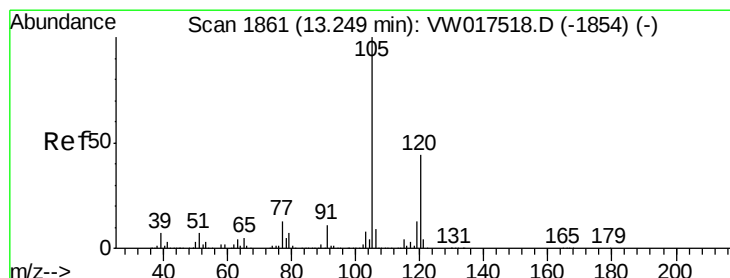
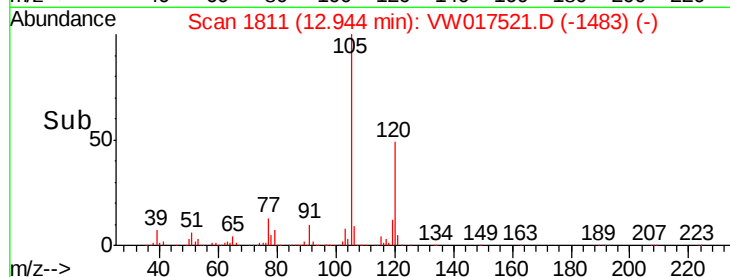
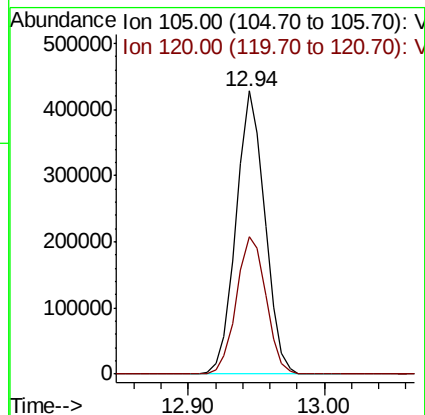
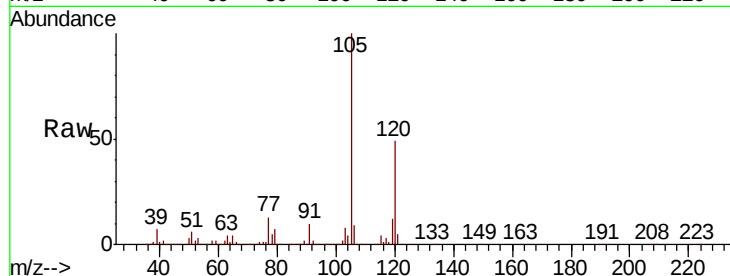
BFB36

Tot Ion:105 Resp: 630914

Ion Ratio Lower Upper

105 100

120 50.0 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 24.989 ug/L

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW017521.D

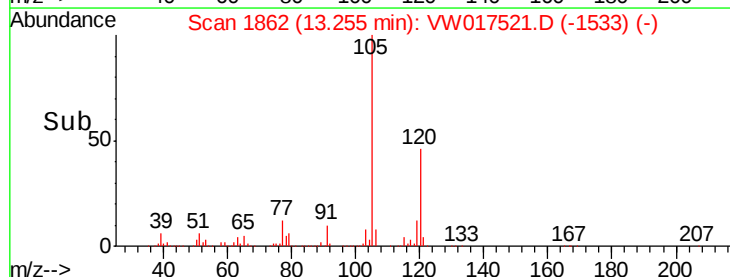
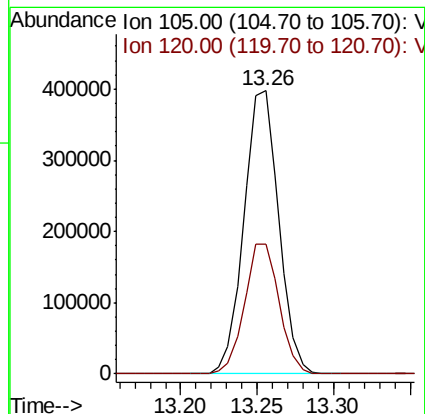
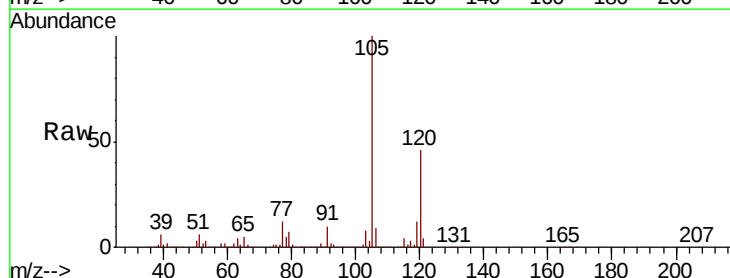
Acq: 02 Dec 2020 12:06

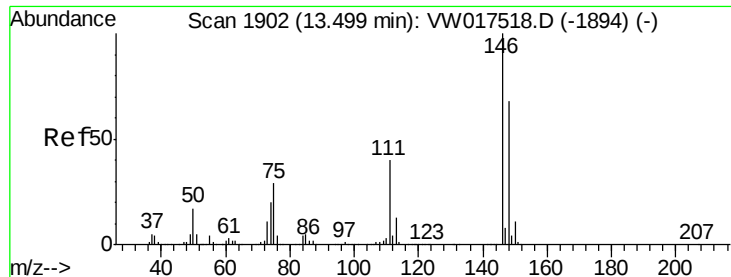
Tgt Ion:105 Resp: 627452

Ion Ratio Lower Upper

105 100

120 45.9 36.8 55.2

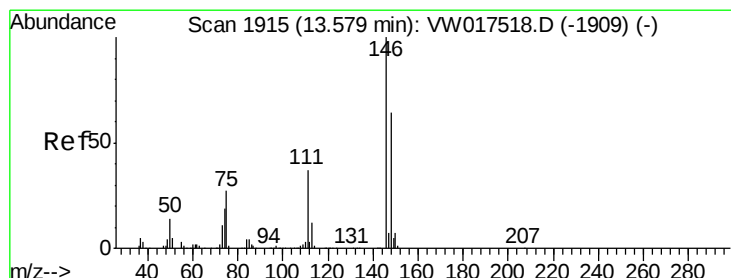
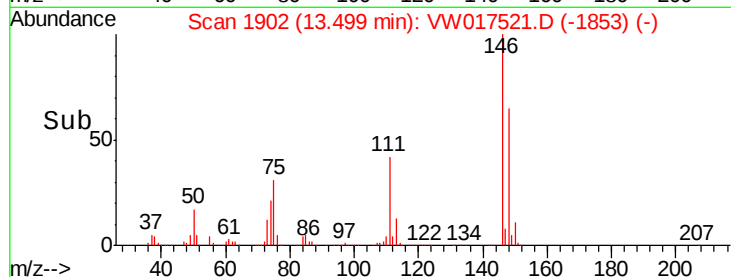
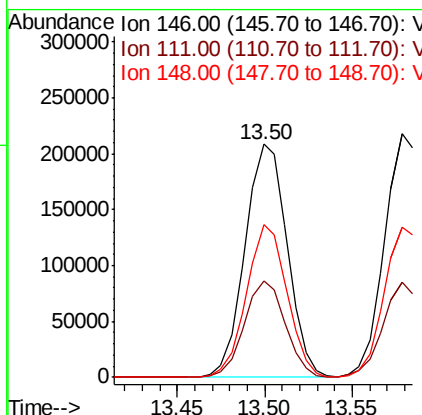
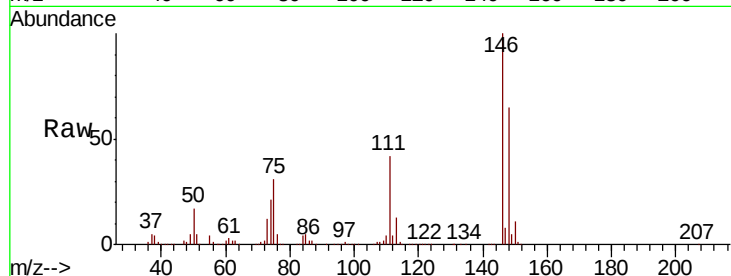




#64
 1,3-Dichlorobenzene
 Concen: 23.559 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017521.D
 Acq: 02 Dec 2020 12:06

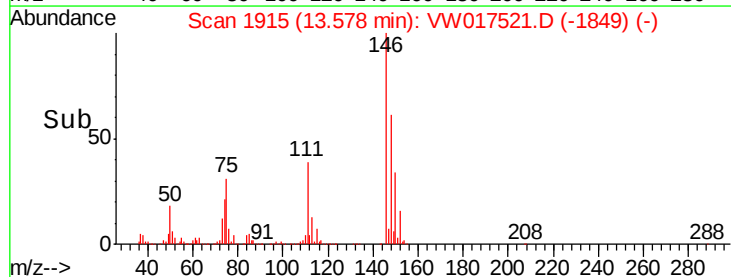
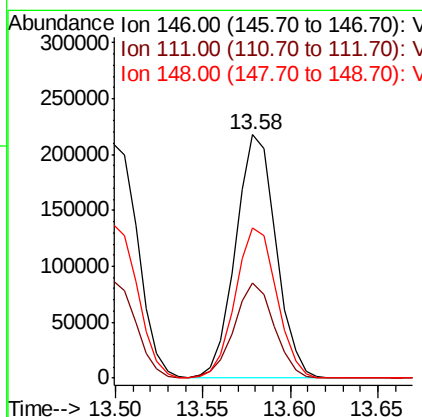
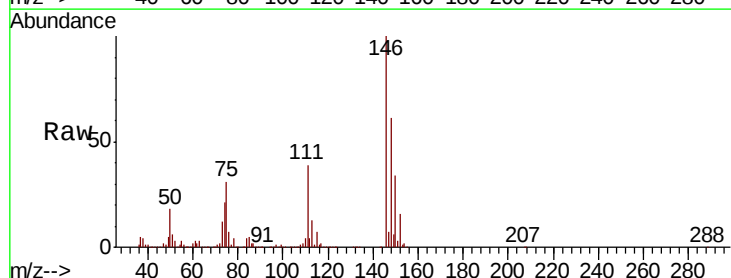
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB36

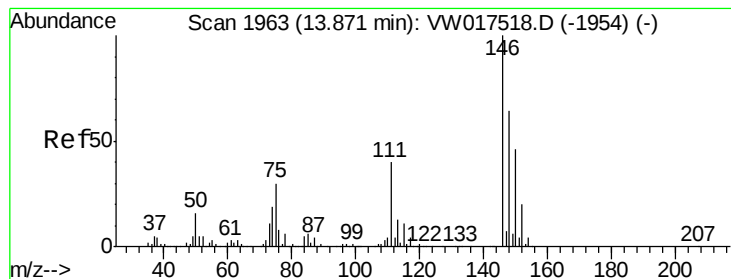
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	27.9	51.9
148	65.4	47.3	87.8



#65
 1,4-Dichlorobenzene
 Concen: 23.266 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017521.D
 Acq: 02 Dec 2020 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	26.3	48.9
148	61.4	44.9	83.3





#67

1,2-Dichlorobenzene

Concen: 23.629 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

BFB36

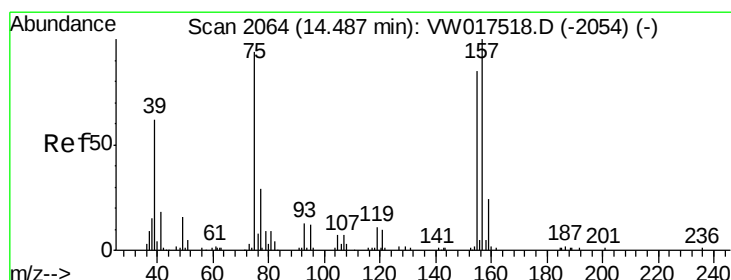
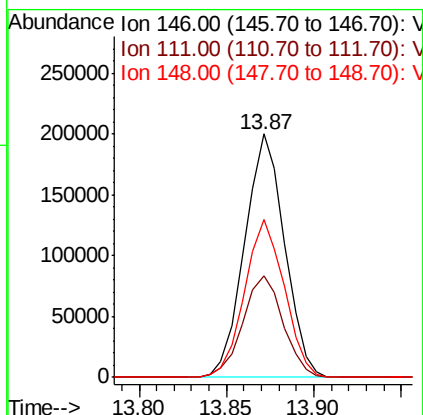
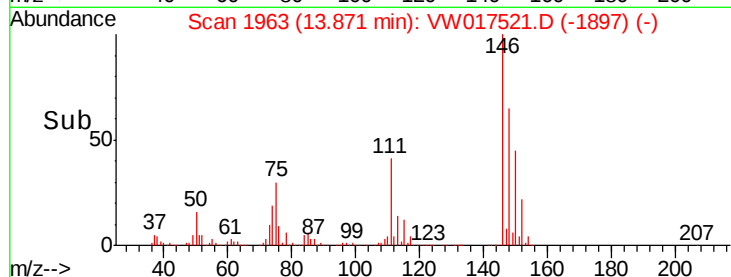
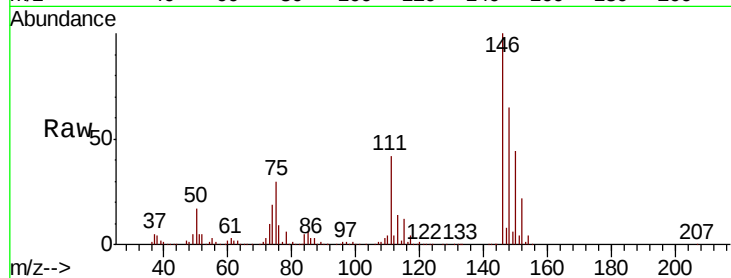
Tot Ion:146 Resp: 317795

Ion Ratio Lower Upper

146 100

111 41.6 32.4 48.6

148 65.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 22.990 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

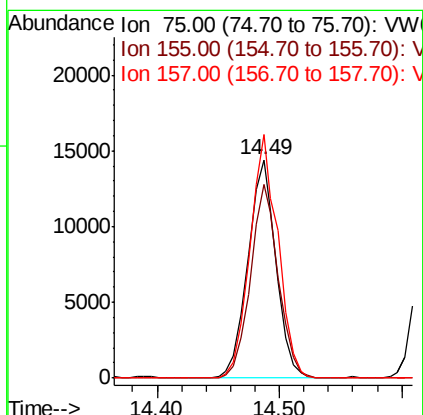
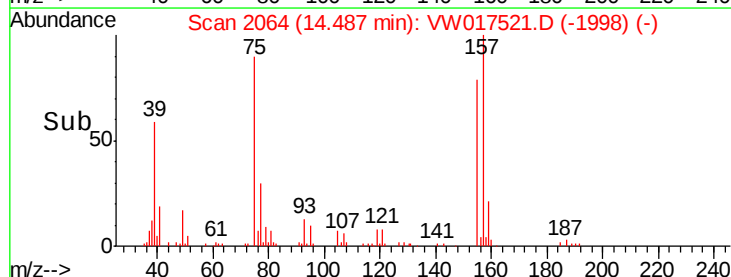
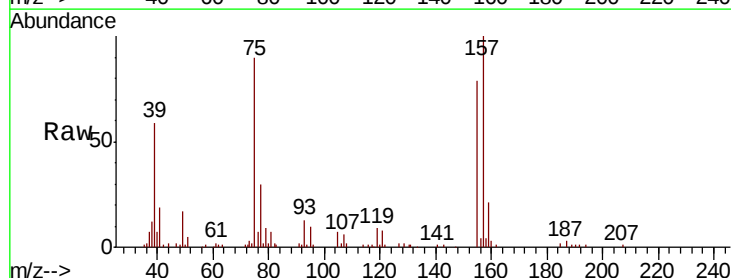
Tgt Ion: 75 Resp: 22995

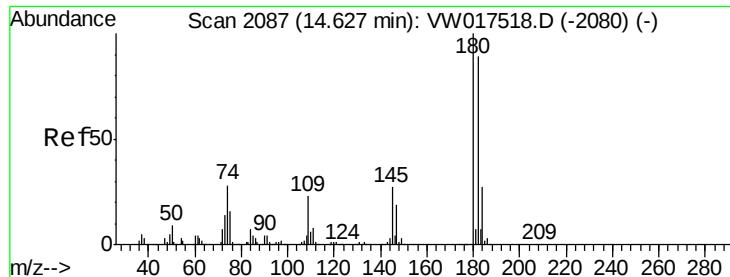
Ion Ratio Lower Upper

75 100

155 88.5 72.6 109.0

157 111.5 85.2 127.8

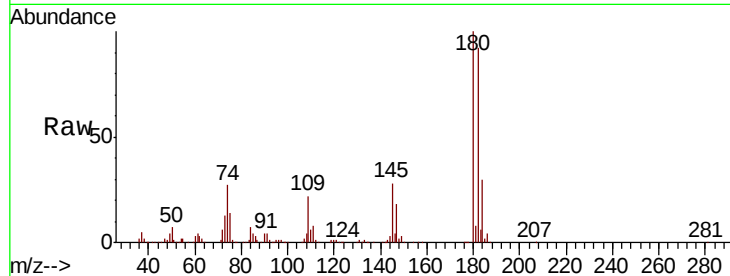




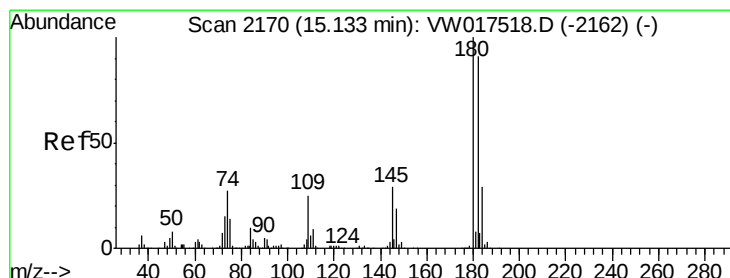
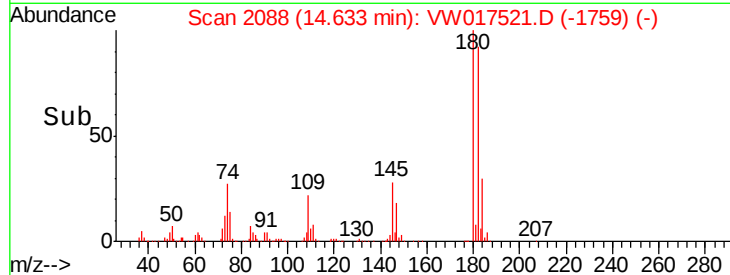
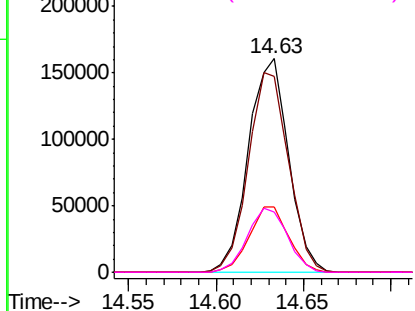
#69
 1,3,5-Trichlorobenzene
 Concen: 23.873 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017521.D
 Acq: 02 Dec 2020 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB36

Tot Ion:180	Resp:	258698
Ion Ratio	Lower	Upper
180	100	
182	93.3	74.9 112.3
184	30.1	23.8 35.6
145	29.9	23.1 34.7

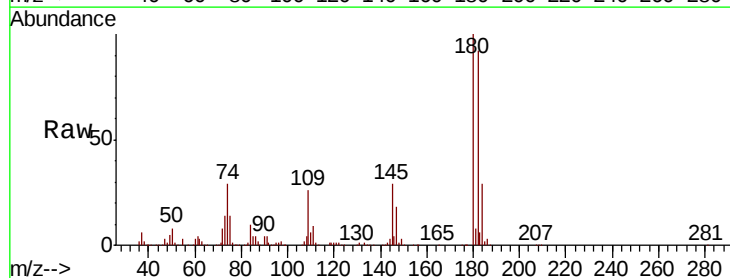


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

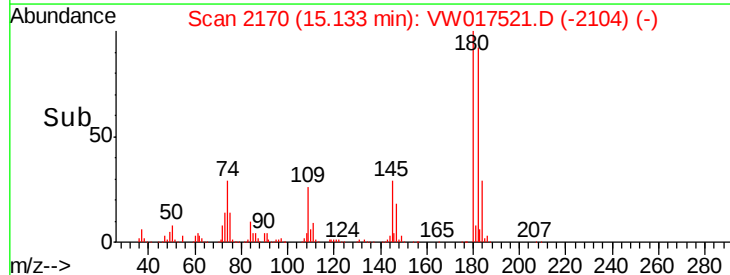
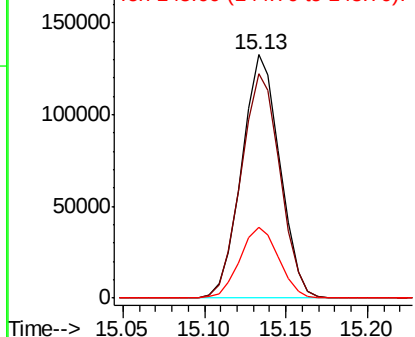


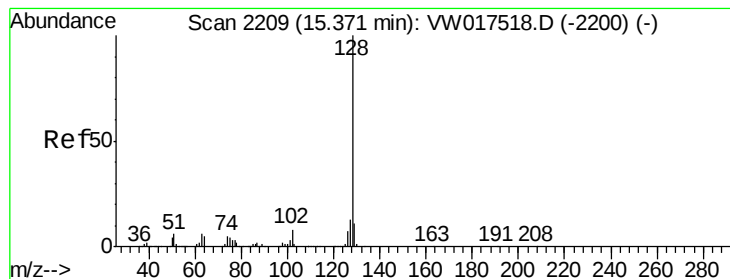
#70
 1,2,4-trichlorobenzene
 Concen: 23.754 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017521.D
 Acq: 02 Dec 2020 12:06

Tgt Ion:180	Resp:	216302
Ion Ratio	Lower	Upper
180	100	
182	94.2	76.8 115.2
145	29.6	24.5 36.7



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





#71

Naphthalene

Concen: 24.647 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

Instrument :

MSVOA_W

ClientSampleId :

BFB36

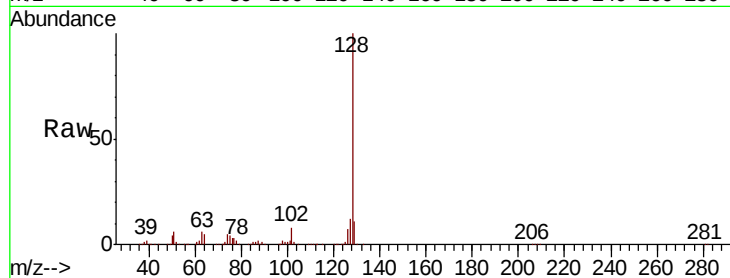
Tot Ion:128 Resp: 376599

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.7 8.7 13.1

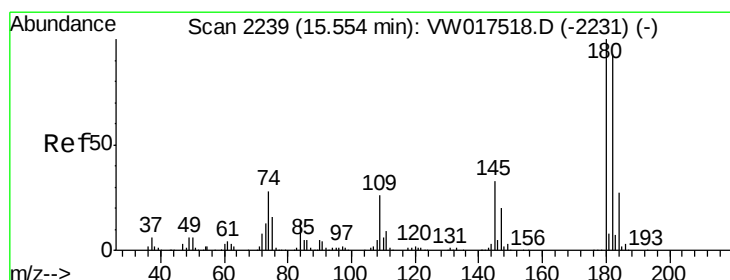
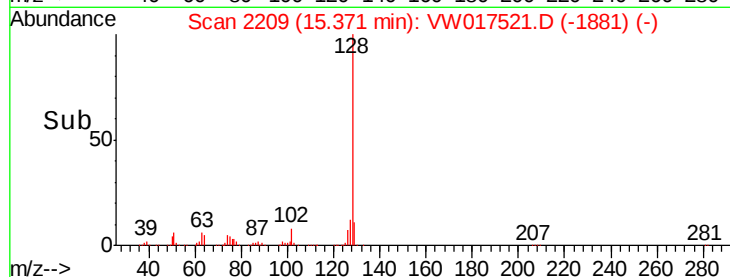
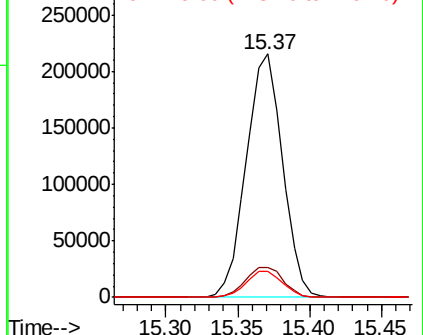


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 23.745 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017521.D

Acq: 02 Dec 2020 12:06

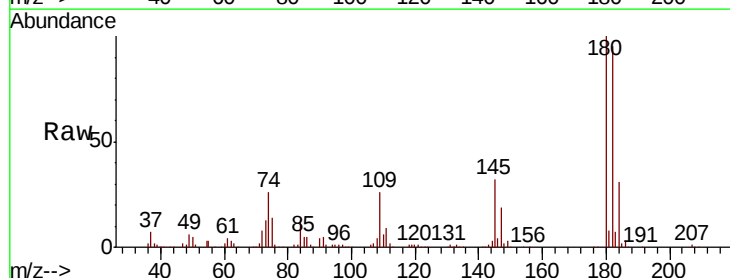
Tgt Ion:180 Resp: 186546

Ion Ratio Lower Upper

180 100

182 98.2 79.0 118.6

145 32.7 26.8 40.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

