

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\
 Data File : VW015600.D
 Acq On : 12 Jun 2020 12:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 13 00:24:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 00:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	324846	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302539	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	148518	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	62664	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.20%
7) Chloroethane-d5	2.90	69	73037	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.68%
10) 1,1-Dichloroethene-d2	4.03	63	165679	22.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.36%
20) 2-Butanone-d5	7.08	46	52630	54.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.30%
24) Chloroform-d	7.65	84	186744	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	105624	25.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.08%
29) Benzene-d6	8.27	84	349084	23.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.12%
33) 1,2-Dichloropropane-d6	9.27	67	107986	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	10.32	98	332765	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.28%
38) trans-1,3-Dichloropropene-	10.58	79	44939	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.20%
39) 2-Hexanone-d5	10.93	63	42819	54.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90453	26.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	118457	23.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	64738	22.558	ug/L	99
3) Chloromethane	2.21	50	65817	20.834	ug/L	100
5) Vinyl chloride	2.37	62	117513	24.735	ug/L	99
6) Bromomethane	2.78	94	74699	24.191	ug/L	99
8) Chloroethane	2.93	64	73522	25.422	ug/L	97
9) Trichlorofluoromethane	3.26	101	93455	27.641	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	99658	24.853	ug/L	98
12) 1,1-Dichloroethene	4.04	96	94929	24.508	ug/L	90
13) Acetone	4.12	43	47930	63.791	ug/L	99
14) Carbon disulfide	4.38	76	277209	21.452	ug/L	100
15) Methyl Acetate	4.67	43	42717	26.278	ug/L	99
16) Methylene chloride	4.92	84	111772	28.035	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	156776	25.505	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	103127	24.843	ug/L	99
19) 1,1-Dichloroethane	6.22	63	188581	25.257	ug/L	100
21) 2-Butanone	7.18	43	61731	53.483	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	110092	25.423	ug/L	98

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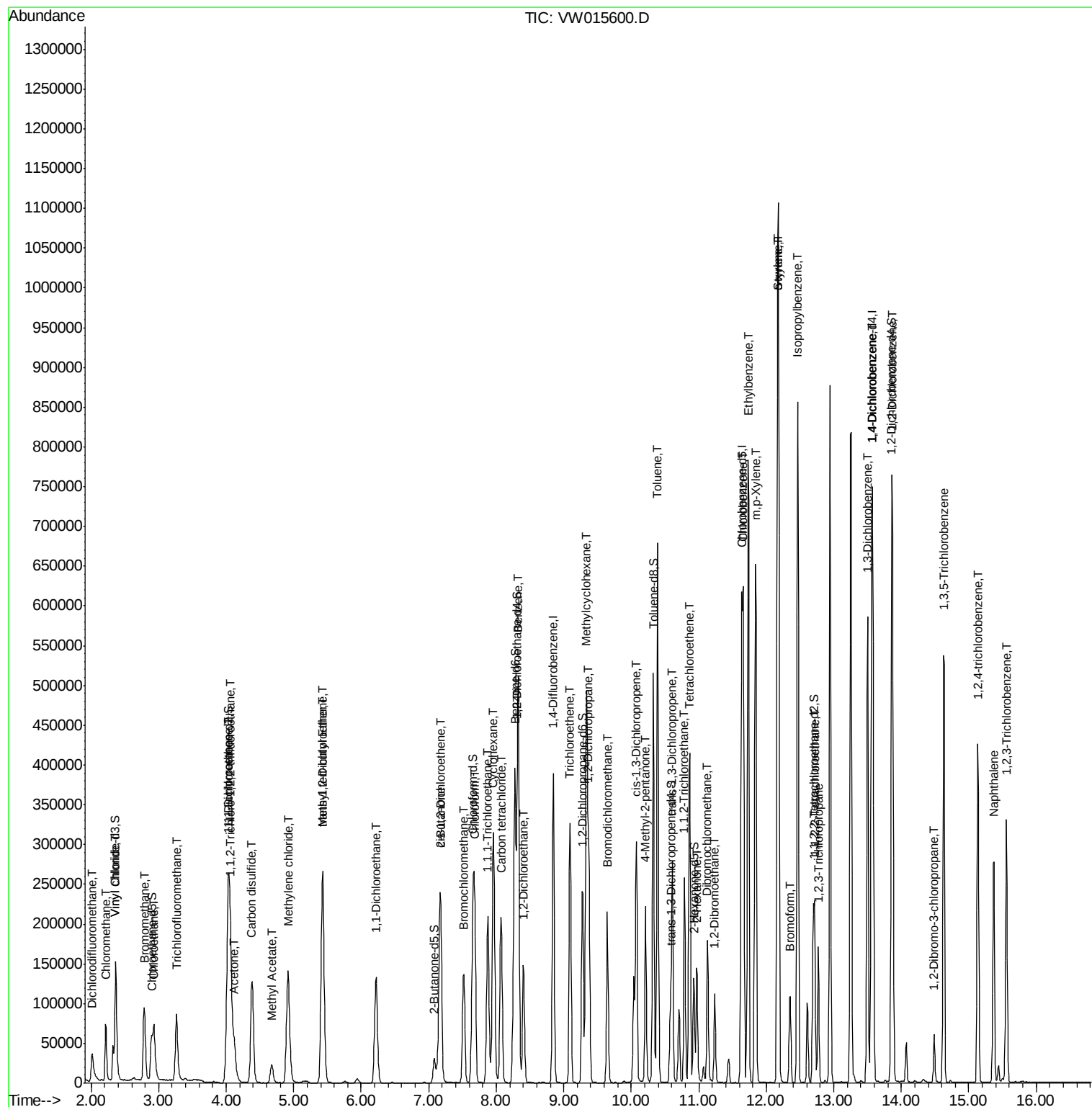
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47998	25.704	ug/L	95
25) Chloroform	7.68	83	194925	25.928	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136776	26.893	ug/L	99
30) Cyclohexane	7.96	56	172659	23.088	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	169118	24.987	ug/L	100
32) Carbon tetrachloride	8.07	117	152811	24.616	ug/L	100
34) Benzene	8.32	78	424557	25.094	ug/L	100
35) Trichloroethene	9.09	95	112920	24.847	ug/L	99
36) Methylcyclohexane	9.34	83	195697	24.144	ug/L	100
40) 1,2-Dichloropropane	9.37	63	106649	25.597	ug/L	100
41) Bromodichloromethane	9.65	83	139698	25.098	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	166469	24.968	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	136697	55.970	ug/L	99
44) Toluene	10.39	91	471688	25.589	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	145248	25.033	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	77754	26.675	ug/L	98
47) Tetrachloroethene	10.87	164	91546	25.412	ug/L	94
49) 2-Hexanone	10.97	43	89916	54.543	ug/L	99
50) Dibromochloromethane	11.13	129	92576	26.141	ug/L	98
51) 1,2-Dibromoethane	11.24	107	73631	26.312	ug/L	96
52) Chlorobenzene	11.66	112	295734	25.578	ug/L	98
53) Ethylbenzene	11.73	91	542441	25.628	ug/L	99
54) m,p-Xylene	11.84	106	204178	25.708	ug/L	97
55) o-xylene	12.17	106	194533	25.804	ug/L	98
56) Styrene	12.18	104	330327	25.643	ug/L	99
57) Isopropylbenzene	12.46	105	545738	25.987	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94080	27.879	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69197	27.043	ug/L	100
62) Bromoform	12.35	173	49785	24.059	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	232008	25.529	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	226577	25.444	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	210352	26.635	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	14517	24.231	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	161229	25.625	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	131504	25.950	ug/L	96
69) Naphthalene	15.37	128	239198	25.995	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	111179	25.788	ug/L	99

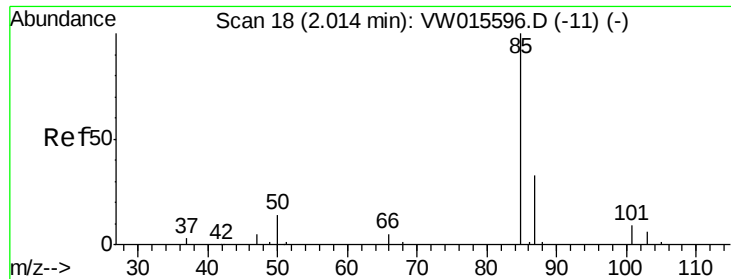
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.558 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

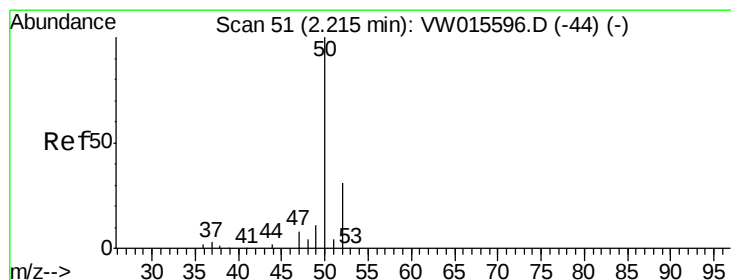
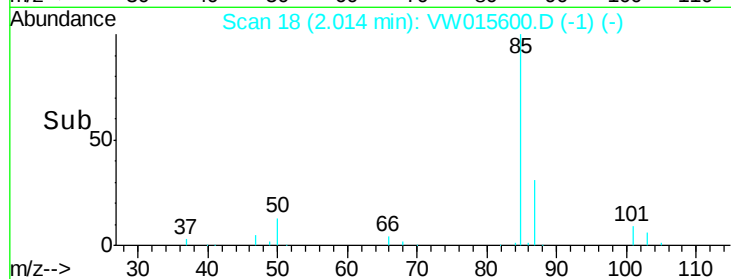
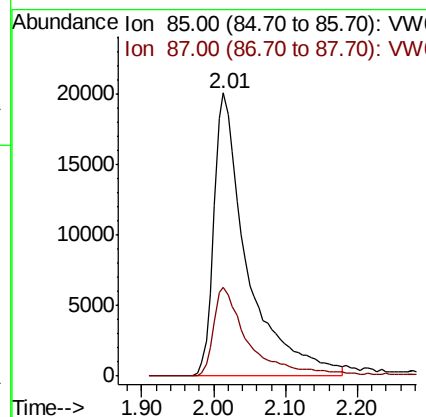
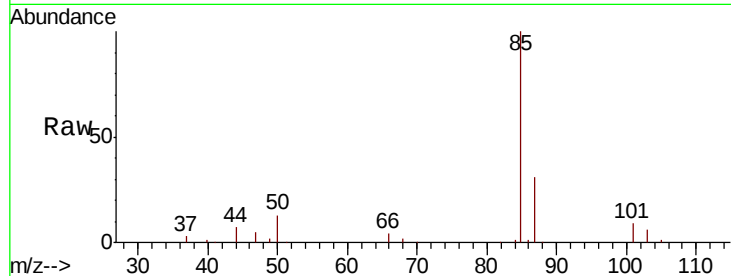
ClientSampled :

Tot Ion: 85 Resp: 64738

Ion Ratio Lower Upper

85 100

87 30.4 21.1 39.1



#3

Chloromethane

Concen: 20.834 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015600.D

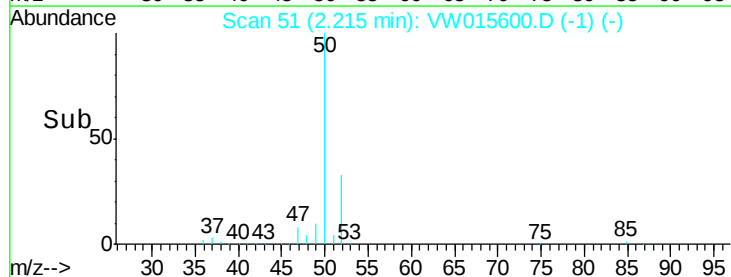
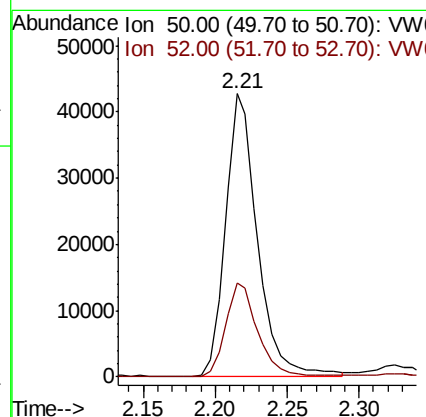
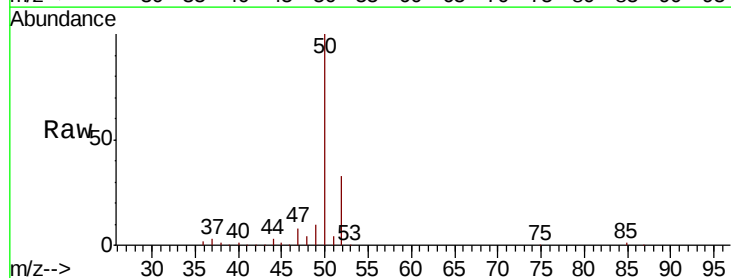
Acq: 12 Jun 2020 12:25

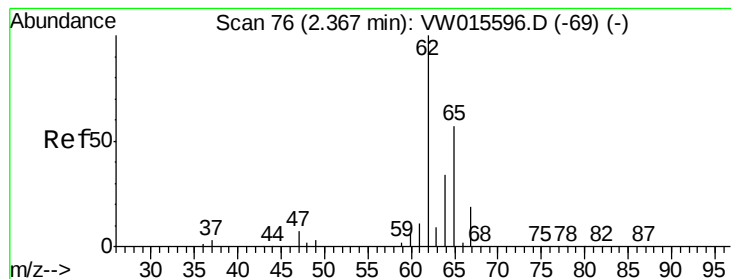
Tgt Ion: 50 Resp: 65817

Ion Ratio Lower Upper

50 100

52 33.0 23.3 43.3





#5

Vinyl chloride

Concen: 24.735 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

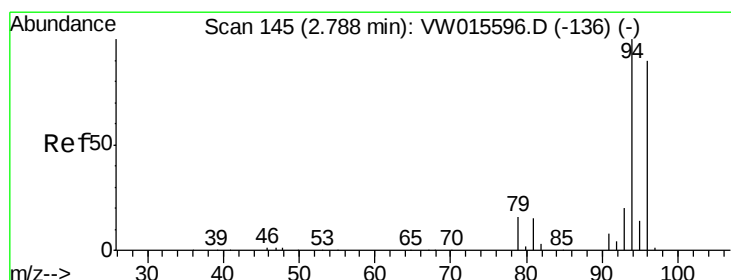
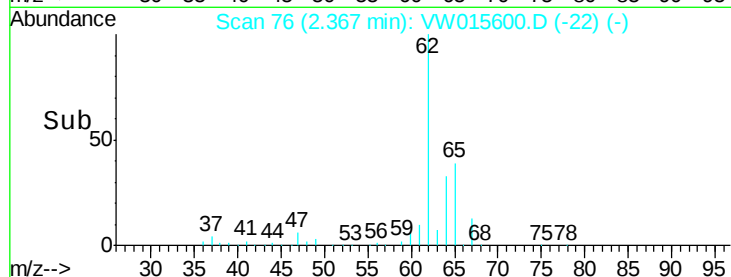
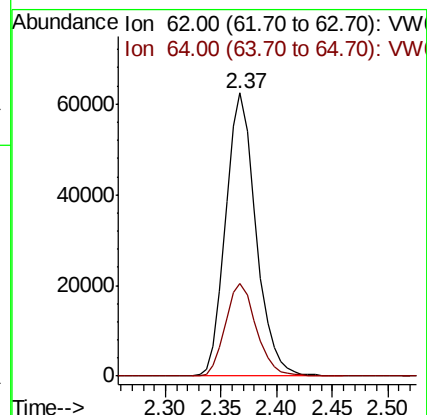
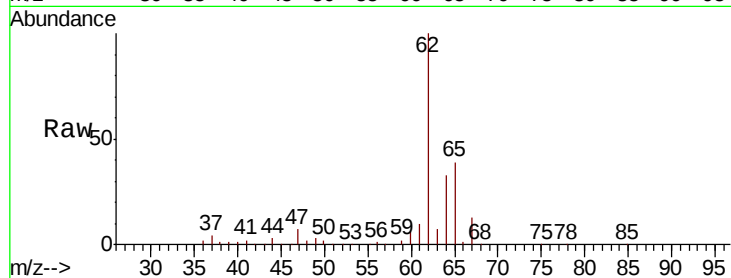
ClientSampleId :

Tot Ion: 62 Resp: 117513

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0



#6

Bromomethane

Concen: 24.191 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015600.D

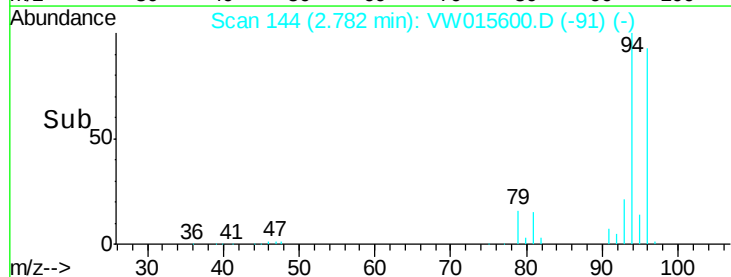
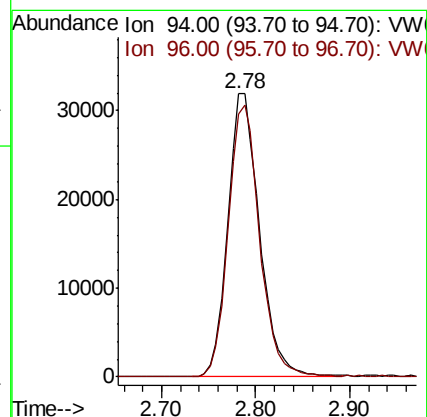
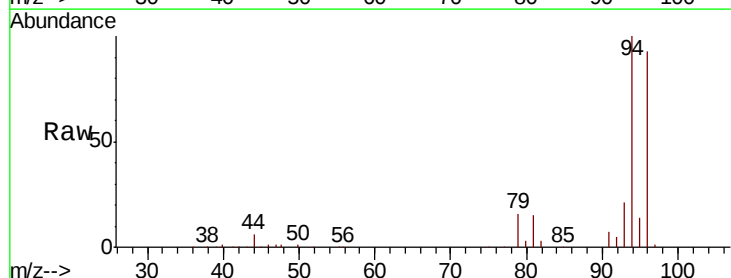
Acq: 12 Jun 2020 12:25

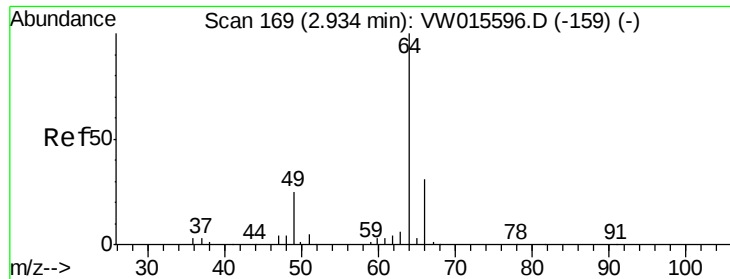
Tgt Ion: 94 Resp: 74699

Ion Ratio Lower Upper

94 100

96 94.6 9.3 177.5

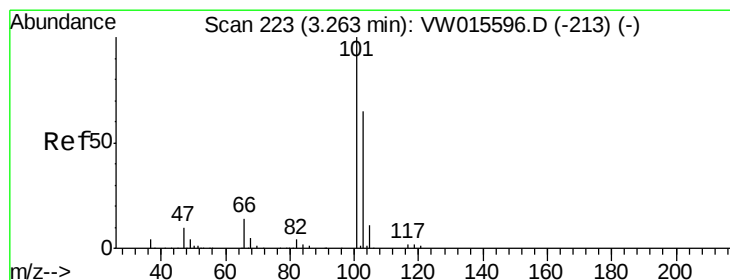
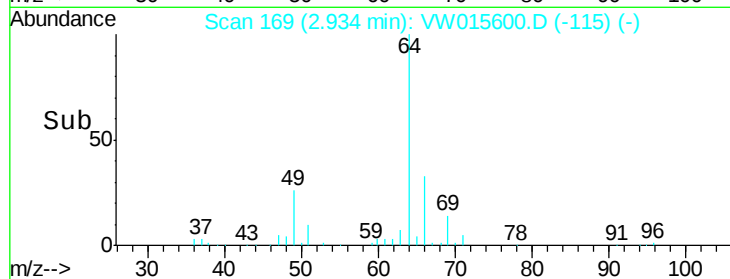
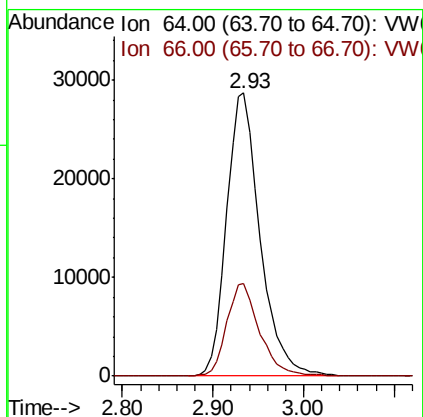
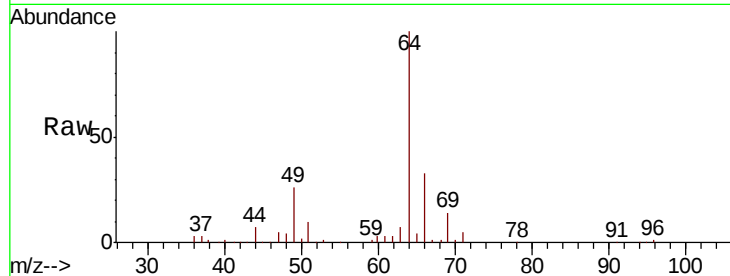




#8
Chloroethane
Concen: 25.422 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

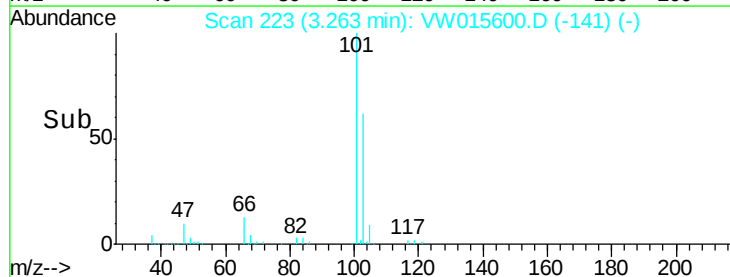
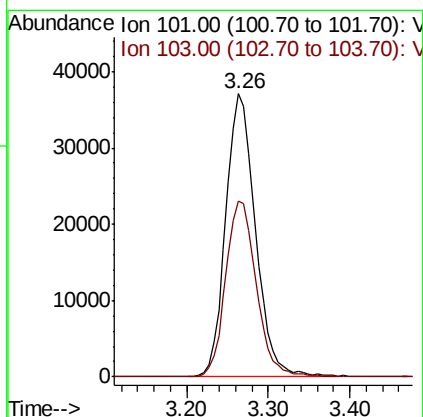
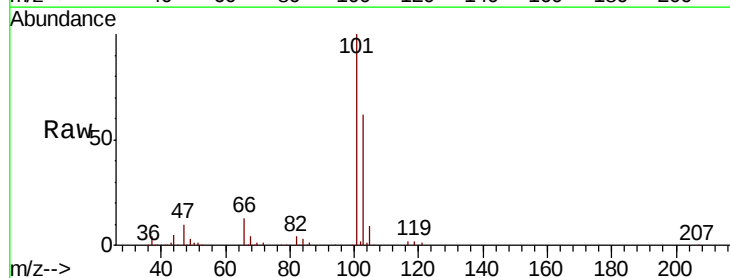
Instrument :
MSVOA_W
ClientSampleId :

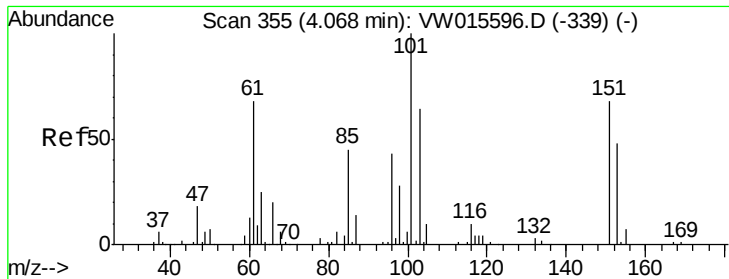
Tot Ion: 64 Resp: 73522
Ion Ratio Lower Upper
64 100
66 32.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 27.641 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion:101 Resp: 93455
Ion Ratio Lower Upper
101 100
103 64.1 46.6 86.6





#11

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

Concen: 24.853 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

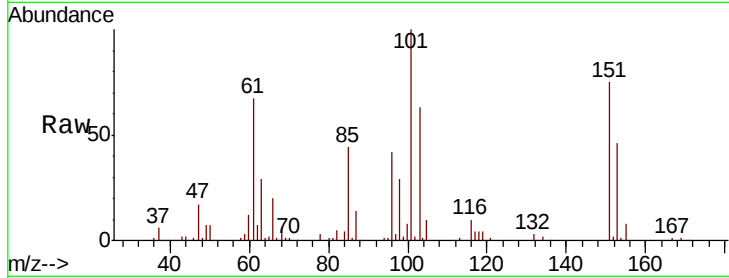
Tot Ion:101 Resp: 99658

Ion Ratio Lower Upper

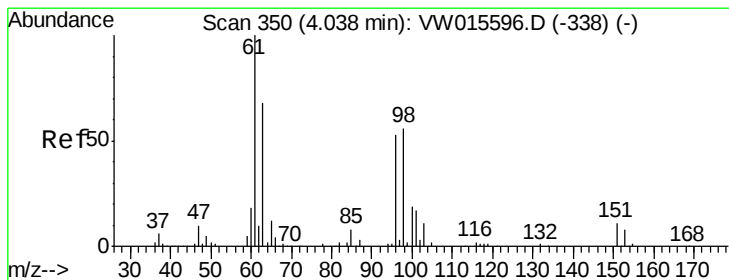
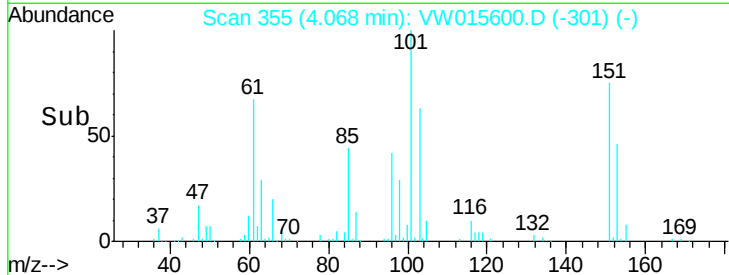
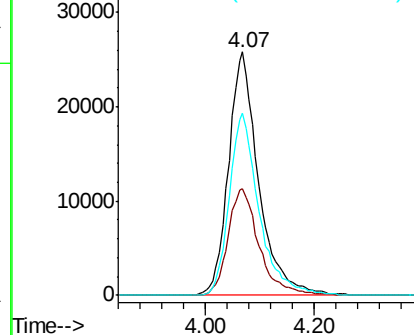
101 100

85 45.2 35.1 52.7

151 74.3 58.6 87.8



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: 24.508 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

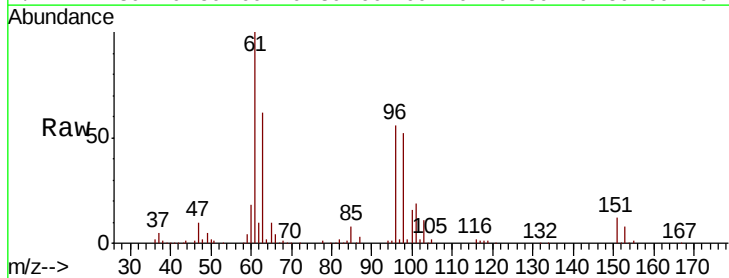
Tgt Ion: 96 Resp: 94929

Ion Ratio Lower Upper

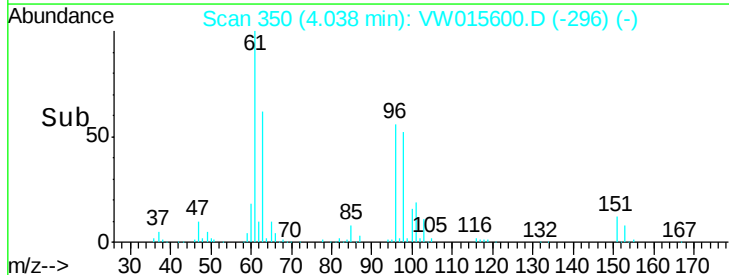
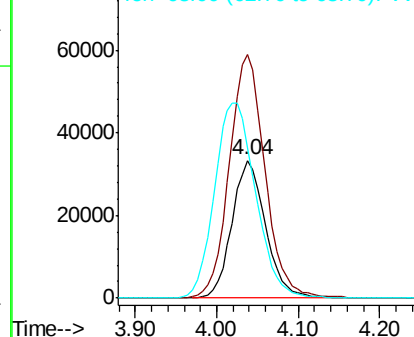
96 100

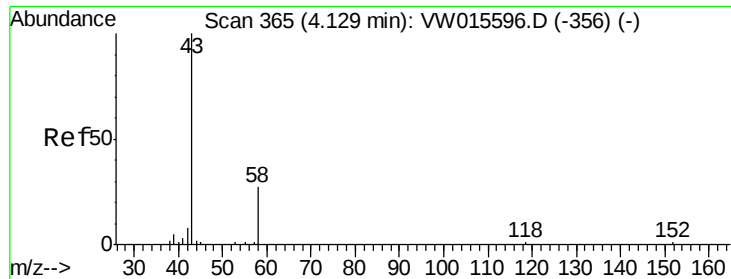
61 177.1 127.7 237.1

63 109.0 92.3 171.5



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: 63.791 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

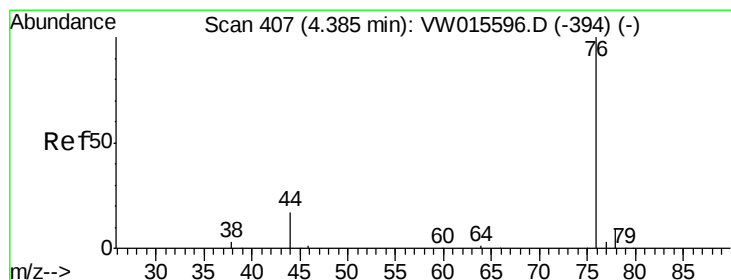
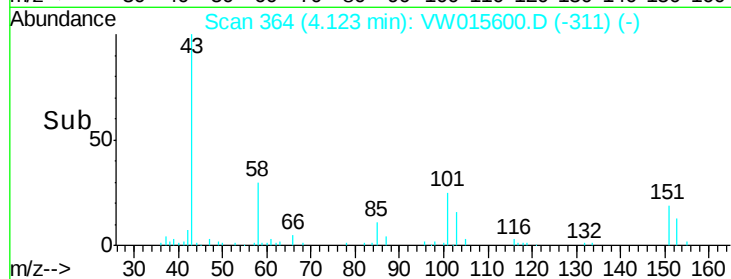
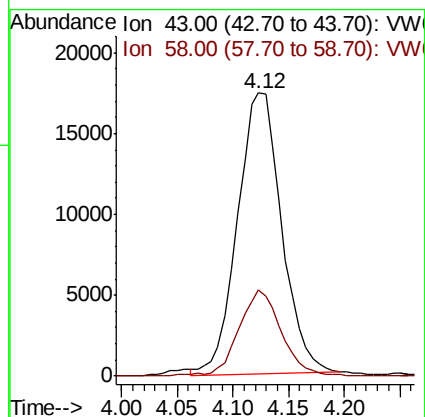
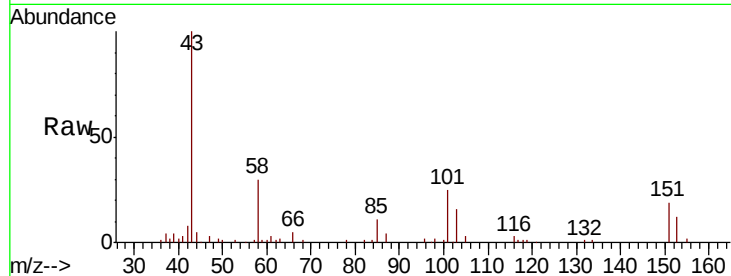
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 47930

Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.8



#14

Carbon disulfide

Concen: 21.452 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015600.D

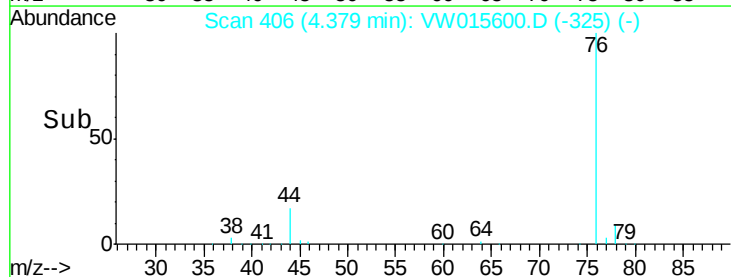
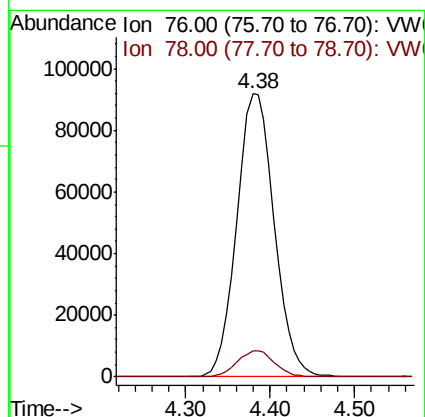
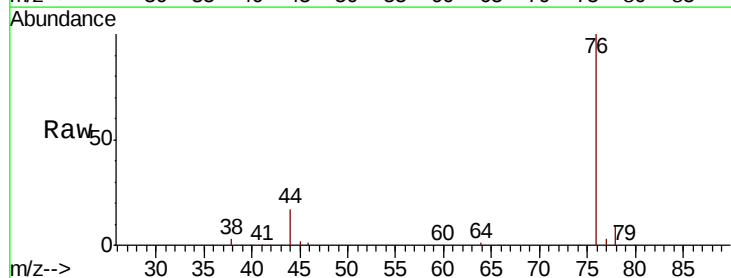
Acq: 12 Jun 2020 12:25

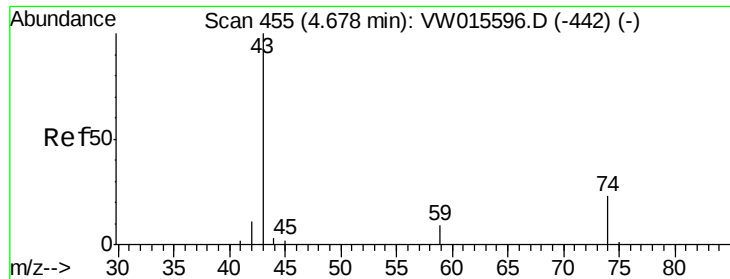
Tgt Ion: 76 Resp: 277209

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

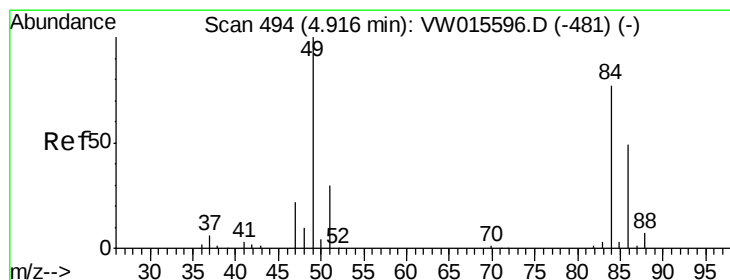
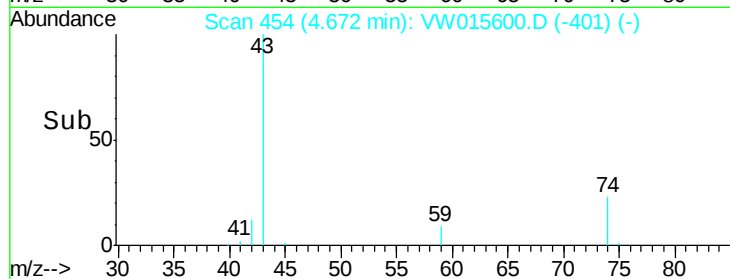
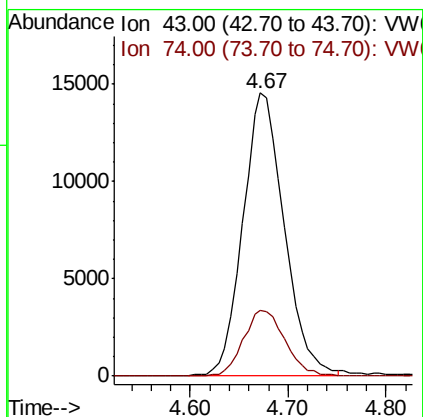
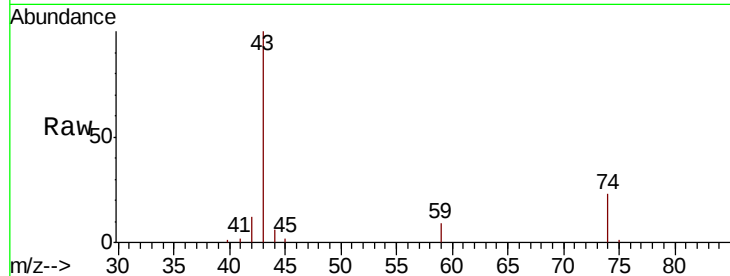




#15
Methyl Acetate
Concen: 26.278 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

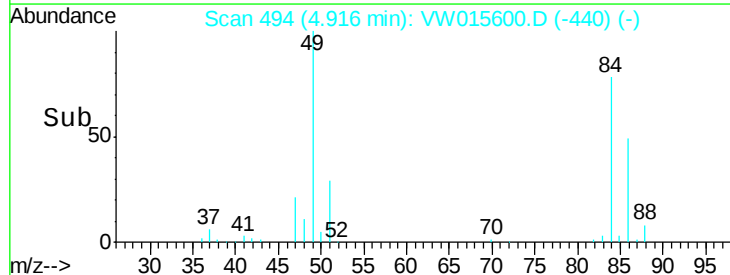
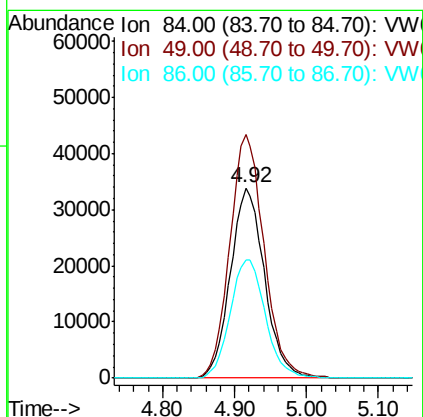
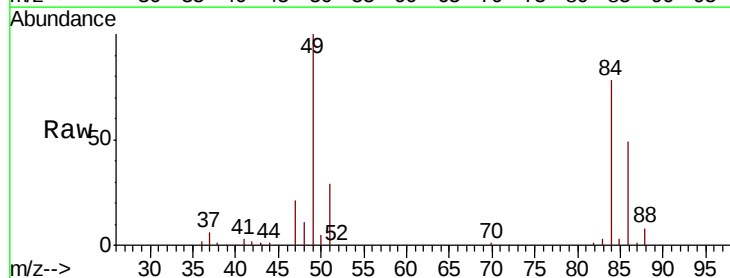
Instrument :
MSVOA_W
ClientSampleId :

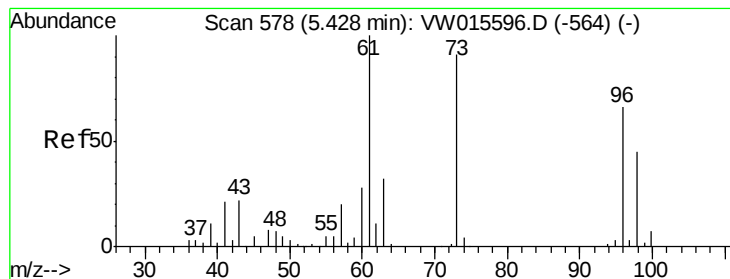
Tot Ion: 43 Resp: 42717
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.2



#16
Methylene chloride
Concen: 28.035 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion: 84 Resp: 111772
Ion Ratio Lower Upper
84 100
49 127.9 93.0 172.8
86 62.4 44.7 83.1





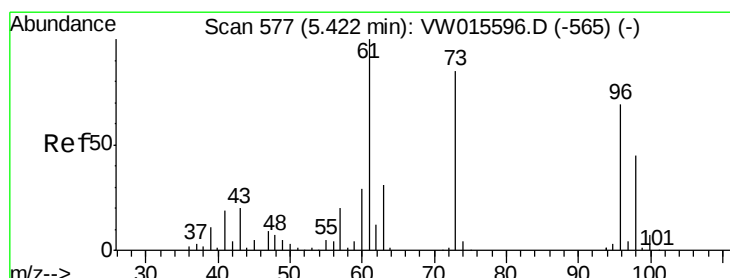
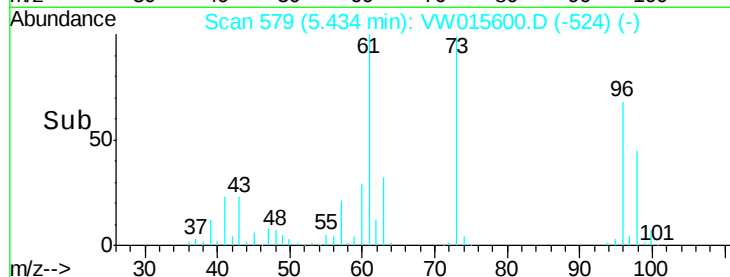
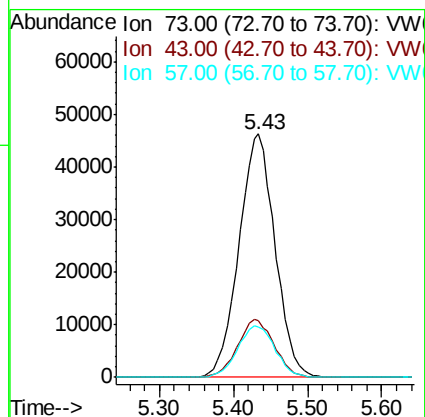
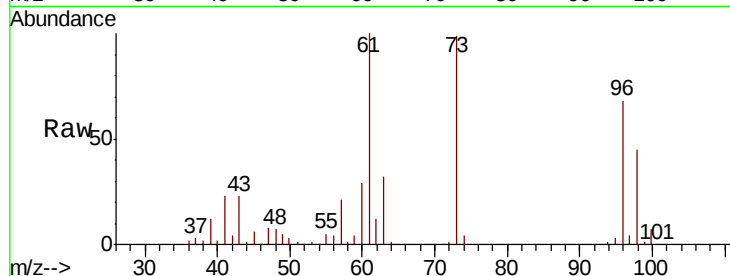
#17

Methvl tert-butvl Ether
 Concen: 25.505 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 156776

Ion	Ratio	Lower	Upper
73	100		
43	24.2	19.6	29.4
57	22.0	17.7	26.5

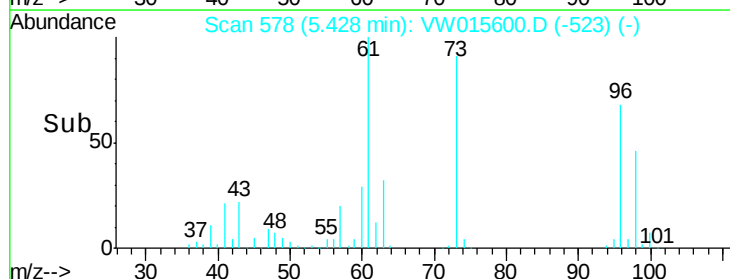
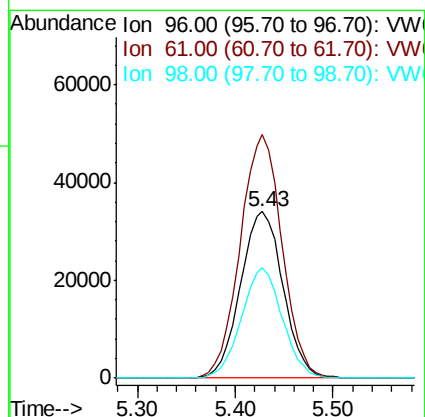
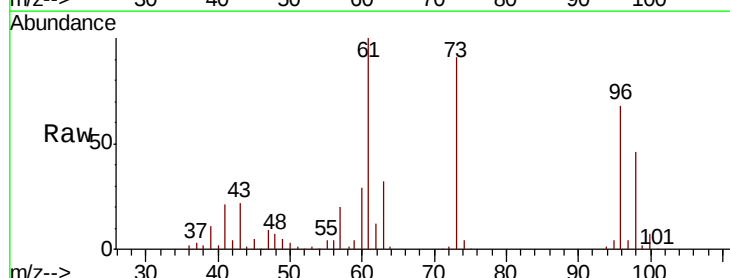


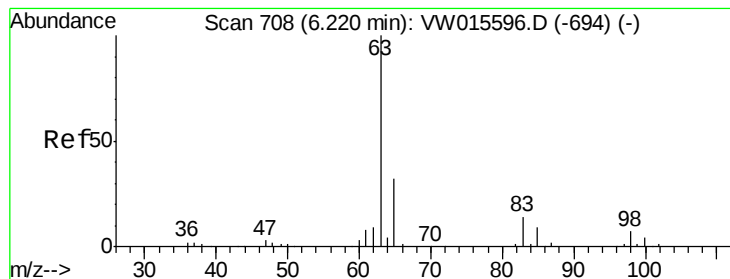
#18

trans-1,2-Dichloroethene
 Concen: 24.843 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Tgt Ion: 96 Resp: 103127

Ion	Ratio	Lower	Upper
96	100		
61	146.4	101.9	189.3
98	66.7	44.9	83.5





#19

1,1-Dichloroethane

Concen: 25.257 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

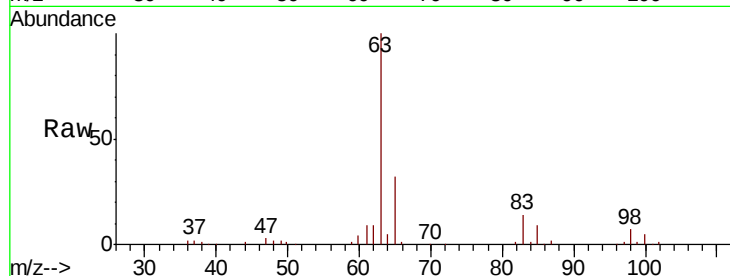
Tot Ion: 63 Resp: 188581

Ion Ratio Lower Upper

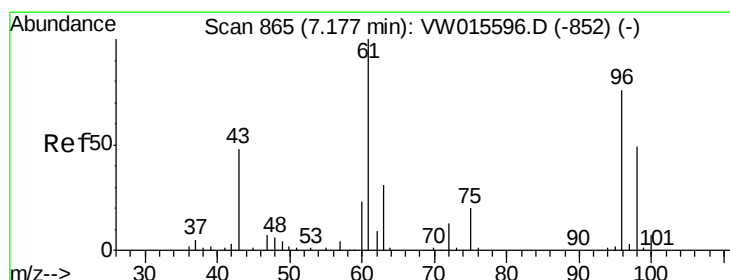
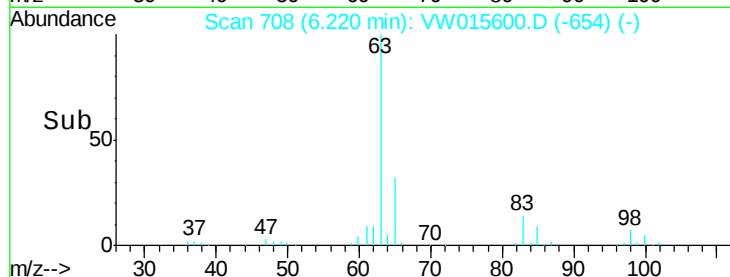
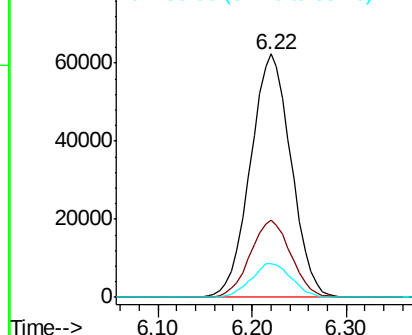
63 100

65 31.6 22.1 41.1

83 13.8 9.7 17.9



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



#21

2-Butanone

Concen: 53.483 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015600.D

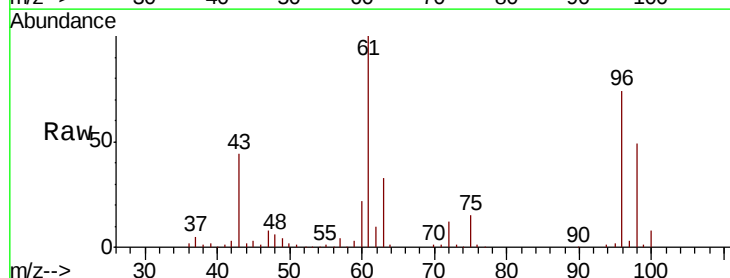
Acq: 12 Jun 2020 12:25

Tgt Ion: 43 Resp: 61731

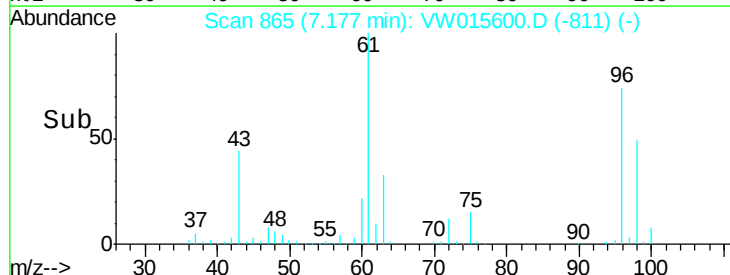
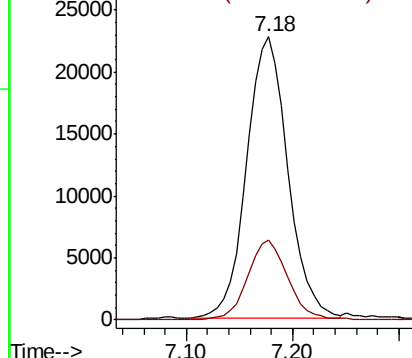
Ion Ratio Lower Upper

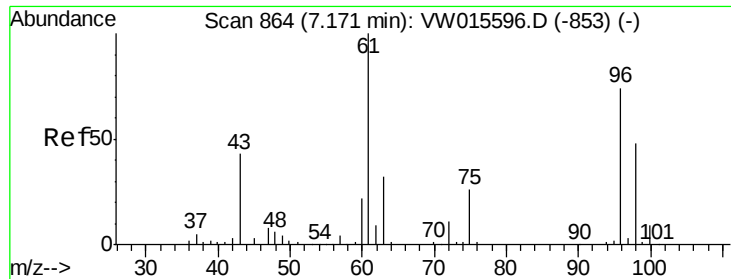
43 100

72 27.7 13.3 39.9



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



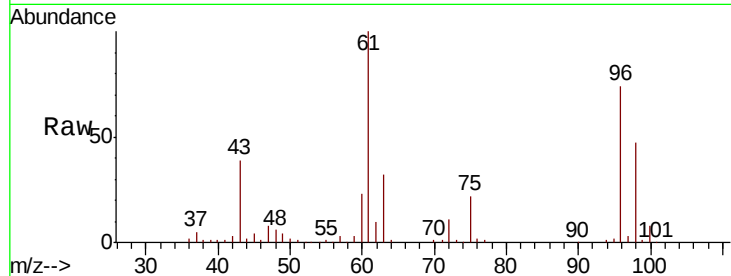


#22

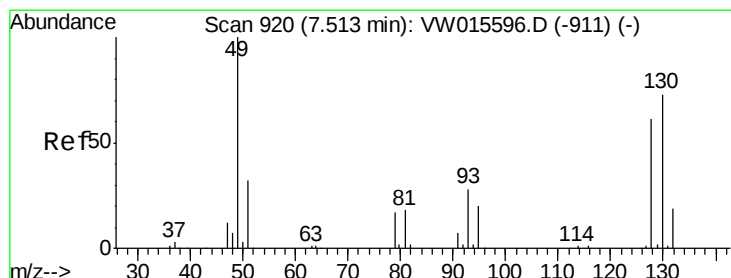
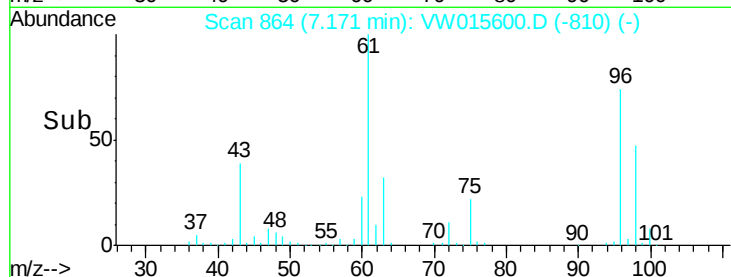
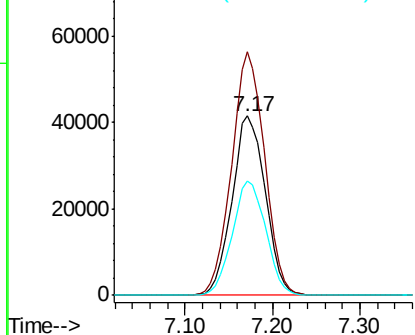
cis-1,2-Dichloroethene
Concen: 25.423 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 110092
Ion Ratio Lower Upper
96 100
61 135.9 93.7 173.9
98 63.6 45.1 83.9



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

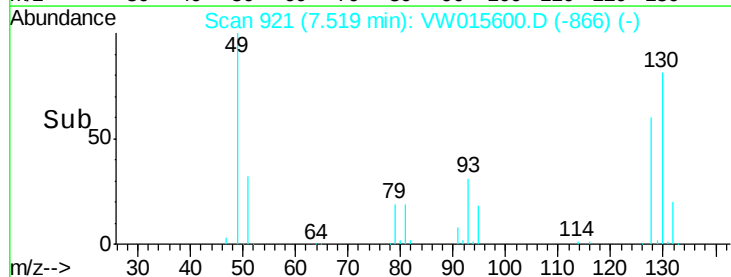
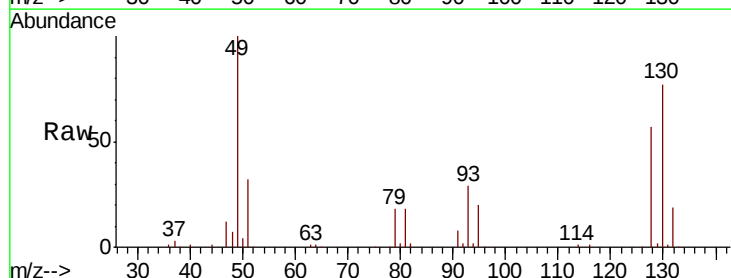
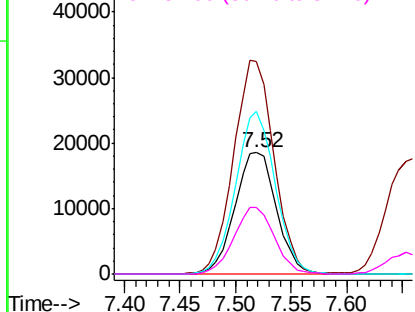


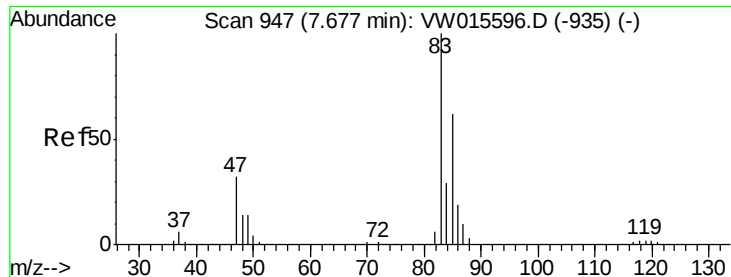
#23

Bromochloromethane
Concen: 25.704 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion: 128 Resp: 47998
Ion Ratio Lower Upper
128 100
49 174.6 118.1 219.3
130 133.9 88.5 164.3
51 55.3 42.8 64.2

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

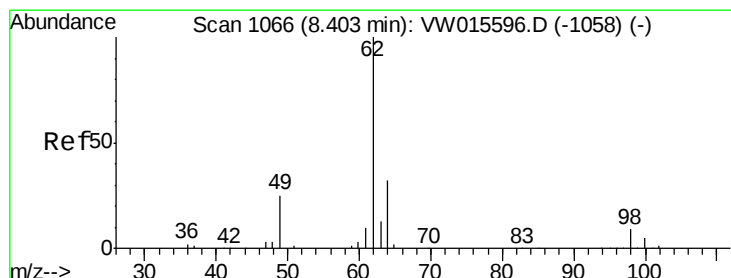
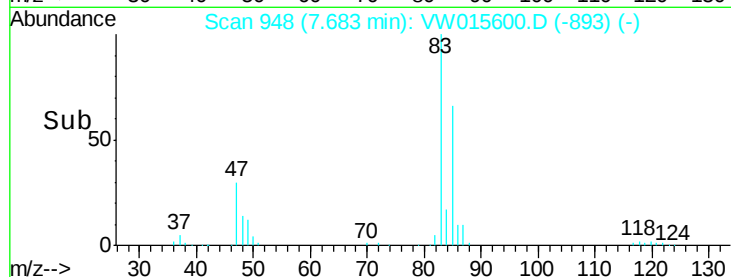
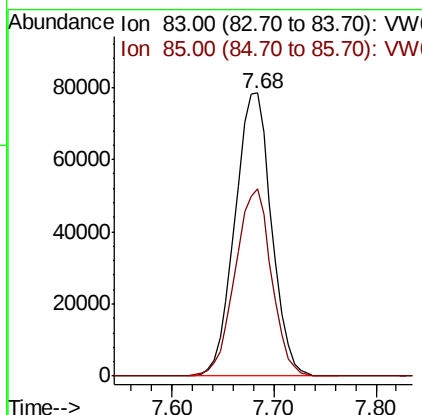
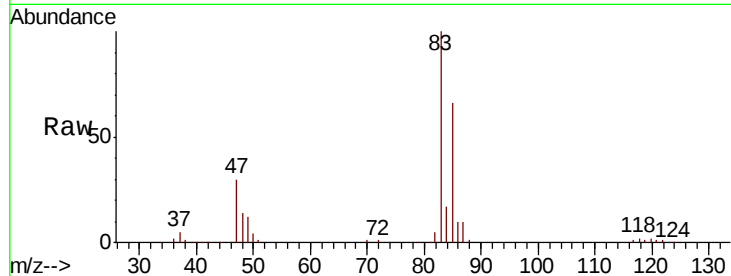




#25
Chloroform
Concen: 25.928 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

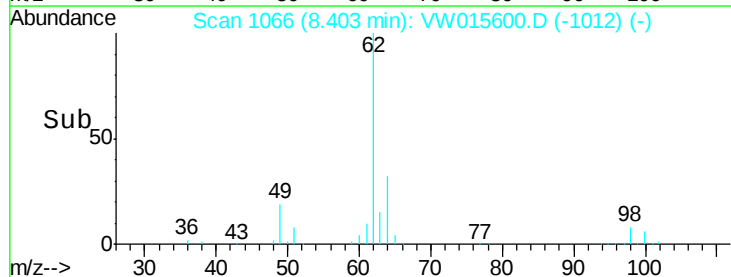
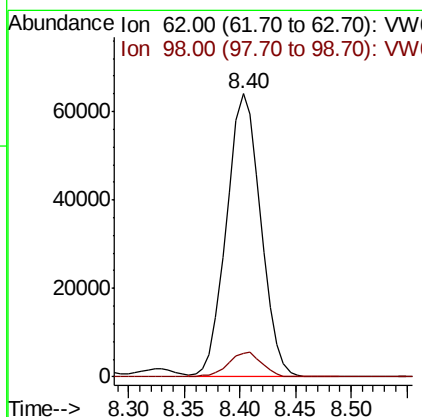
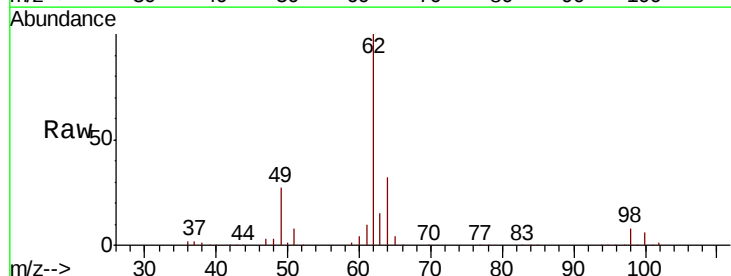
Instrument :
MSVOA_W
ClientSampled :

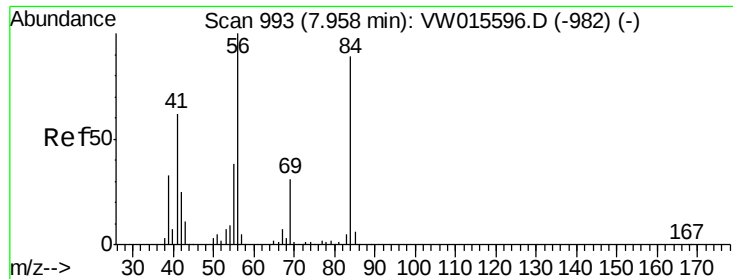
Tot Ion: 83 Resp: 194925
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.893 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion: 62 Resp: 136776
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.4

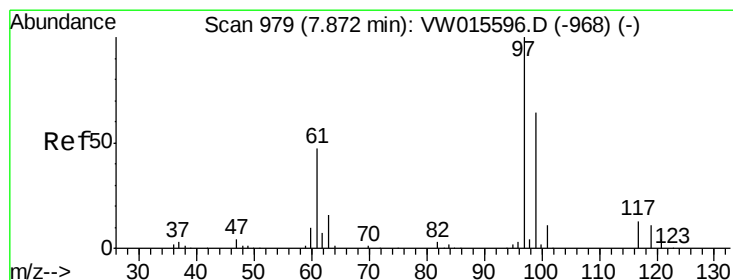
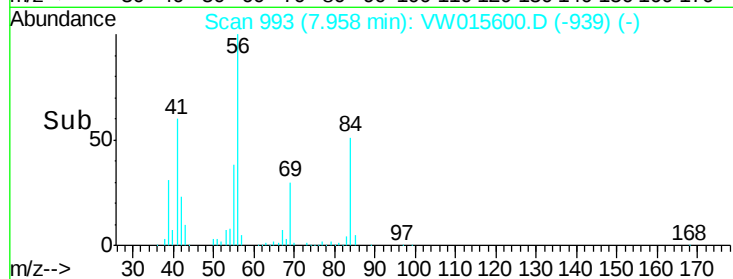
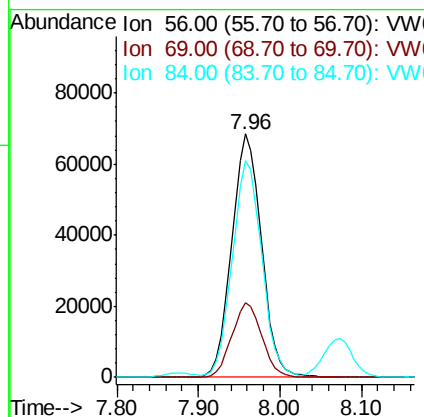
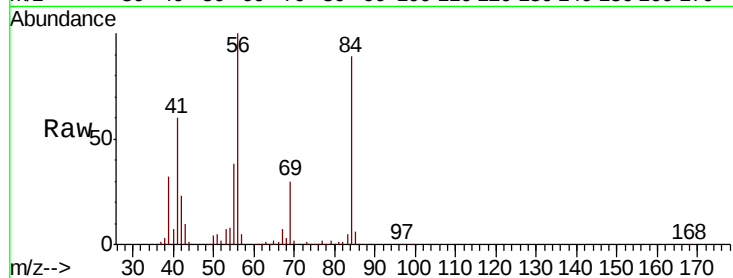




#30
Cyclohexane
Concen: 23.088 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

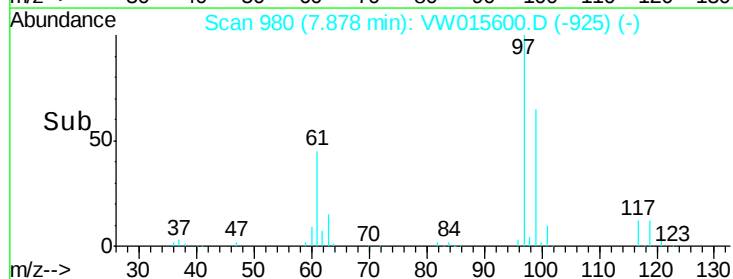
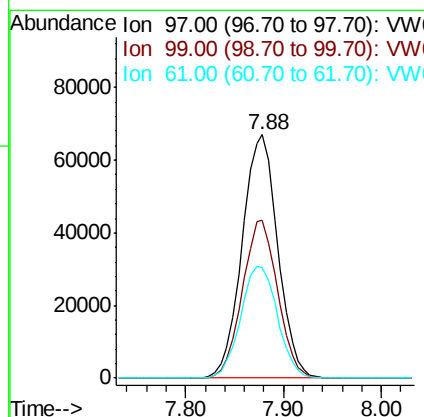
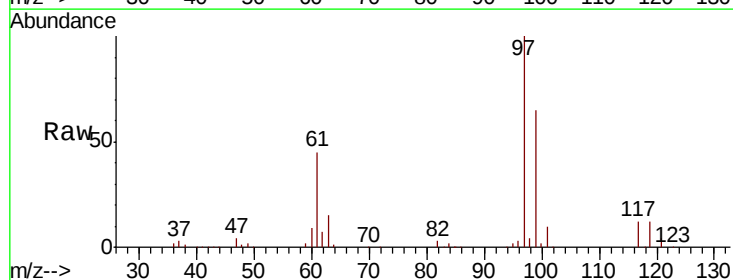
Instrument :
MSVOA_W
ClientSampled :

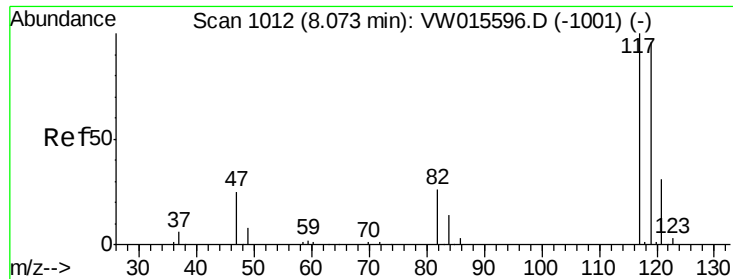
Tot Ion: 56 Resp: 172659
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.5 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 24.987 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion: 97 Resp: 169118
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 47.7 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.616 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

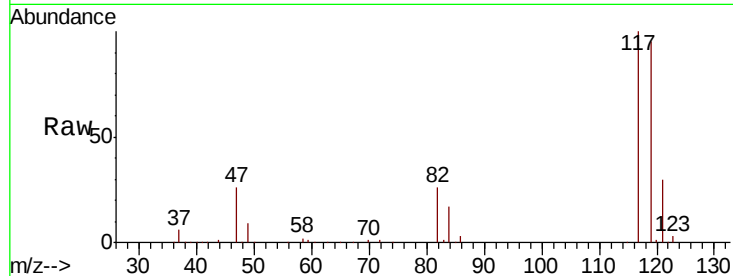
ClientSampleId :

Tot Ion:117 Resp: 152811

Ion Ratio Lower Upper

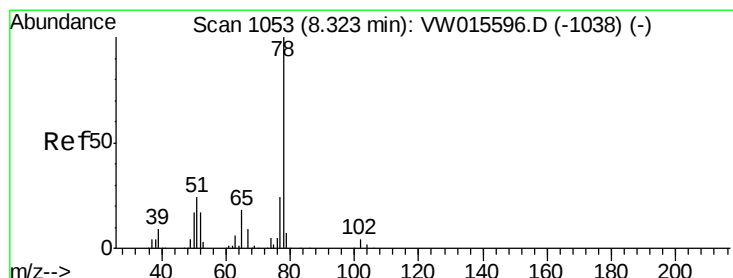
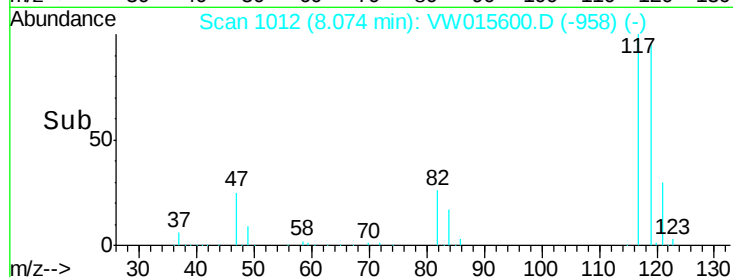
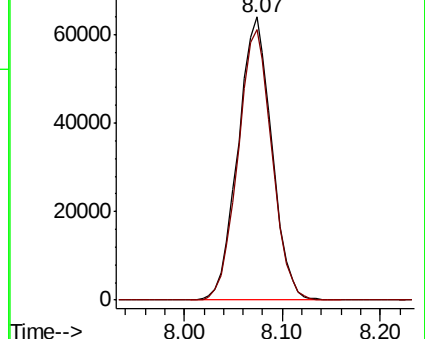
117 100

119 95.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.094 ug/L

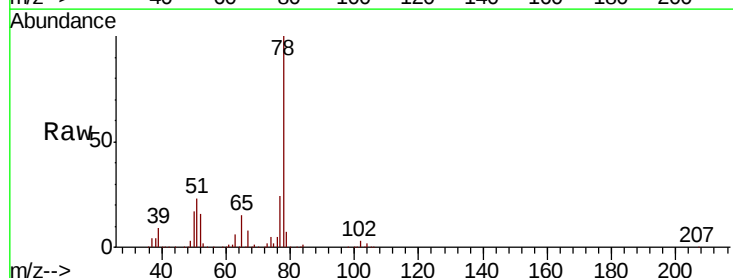
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

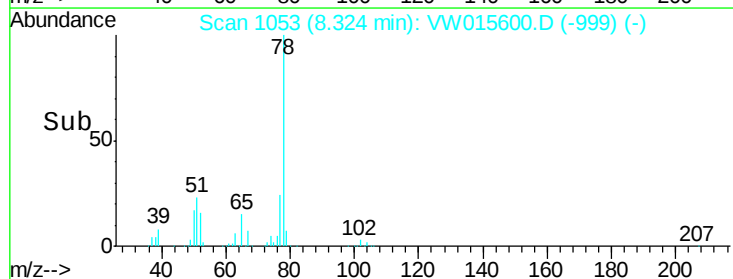
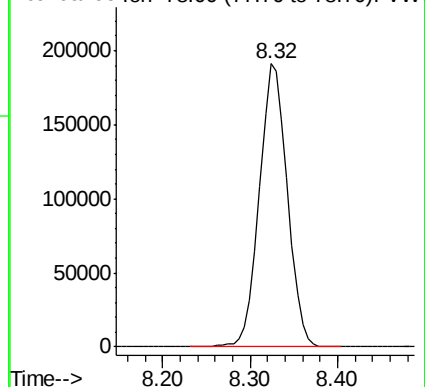
Lab File: VW015600.D

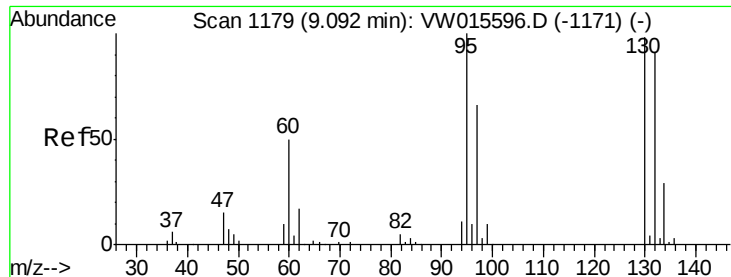
Acq: 12 Jun 2020 12:25

Tgt Ion: 78 Resp: 424557



Abundance Ion 78.00 (77.70 to 78.70): VW

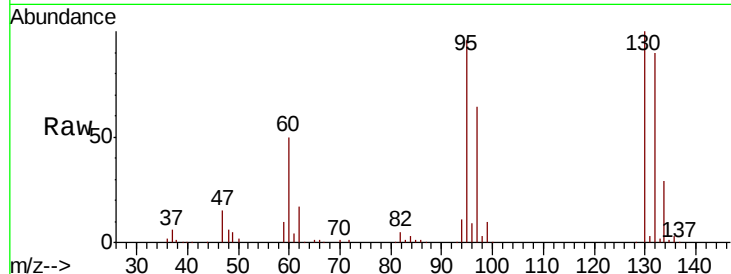




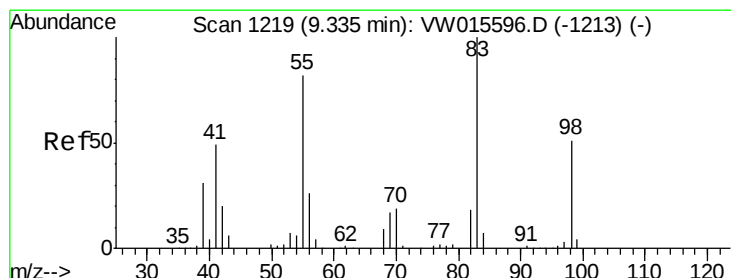
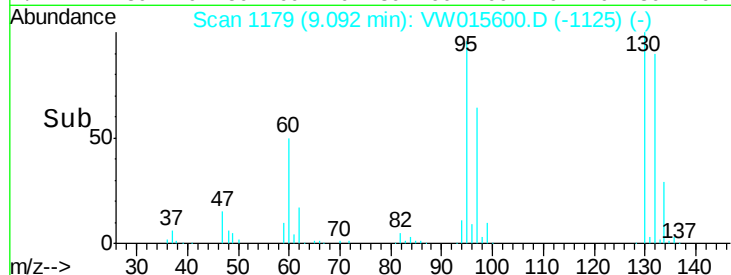
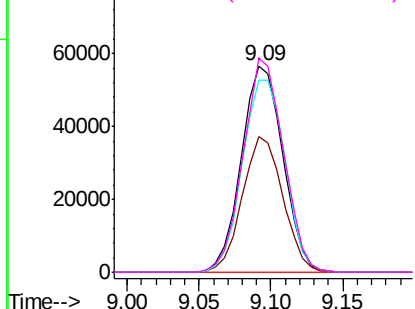
#35
 Trichloroethene
 Concen: 24.847 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 112920
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.4 84.2
 132 96.0 67.1 124.7
 130 101.1 69.4 128.8

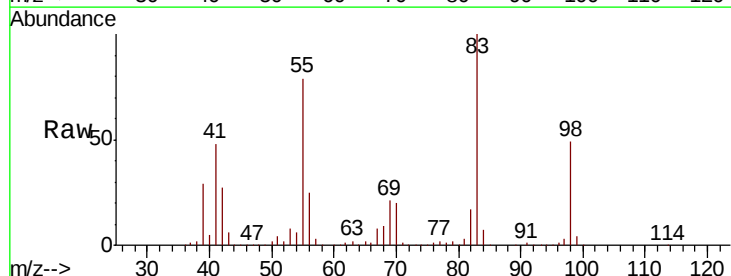


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

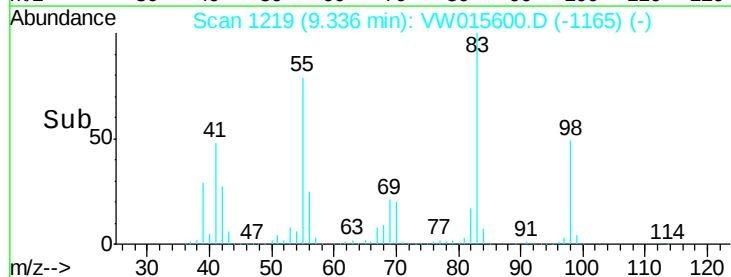
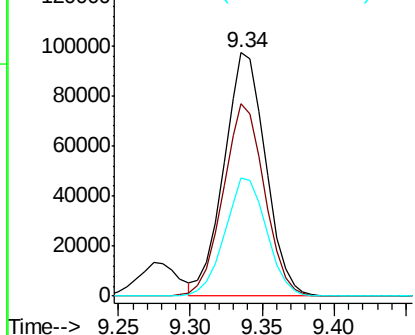


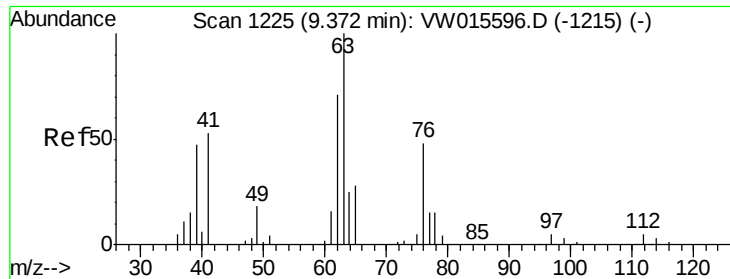
#36
 Methylcyclohexane
 Concen: 24.144 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Tgt Ion: 83 Resp: 195697
 Ion Ratio Lower Upper
 83 100
 55 78.7 62.8 94.2
 98 48.9 39.2 58.8



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

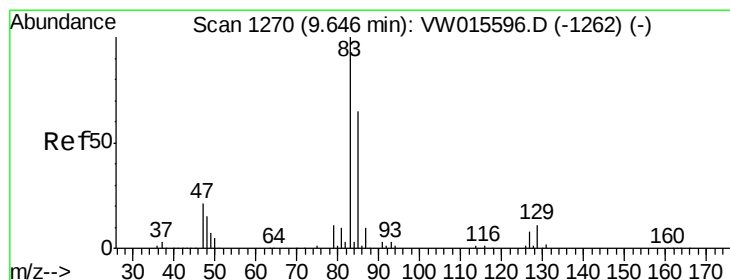
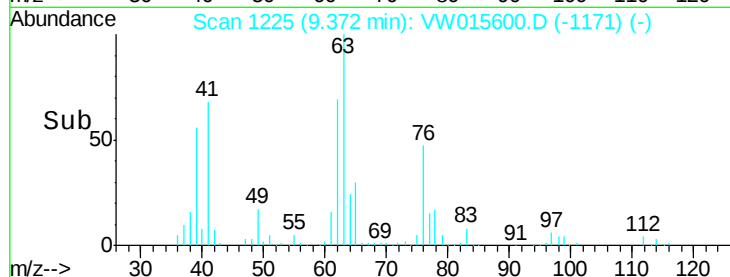
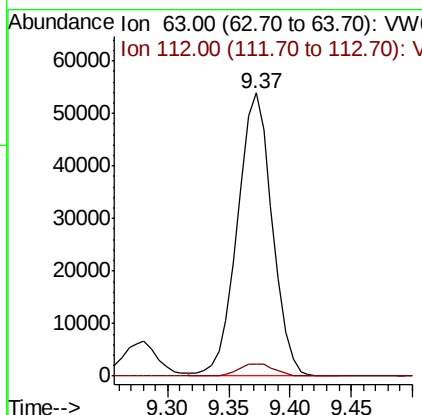
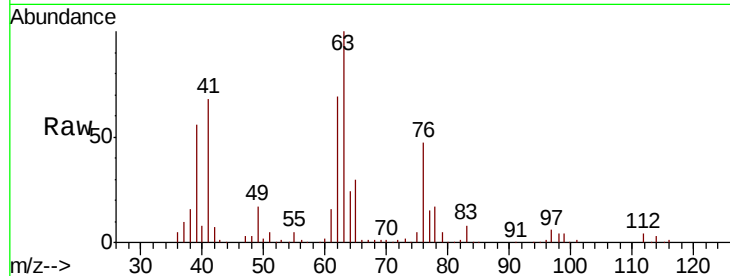




#40
 1,2-Dichloropropane
 Concen: 25.597 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

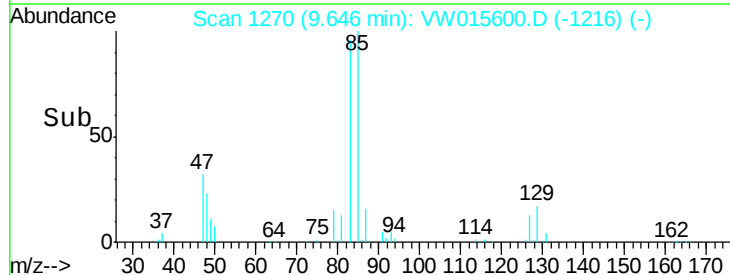
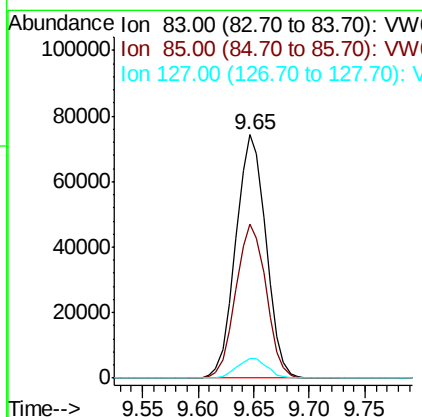
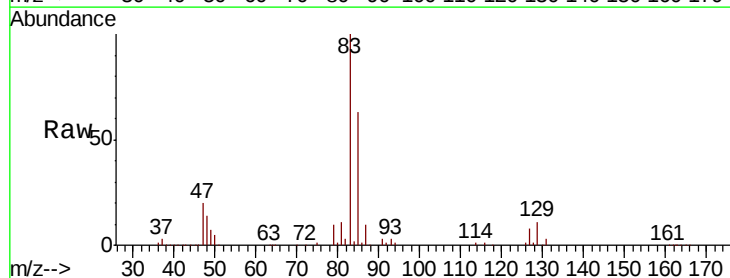
Instrument :
 MSVOA_W
 ClientSampleId :

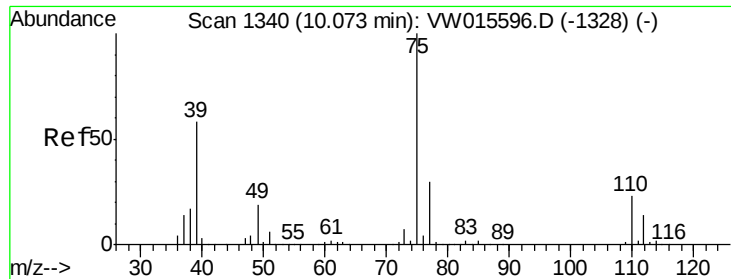
Tot Ion: 63 Resp: 106649
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.098 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Tgt Ion: 83 Resp: 139698
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.8 83.2
 127 7.9 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.968 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

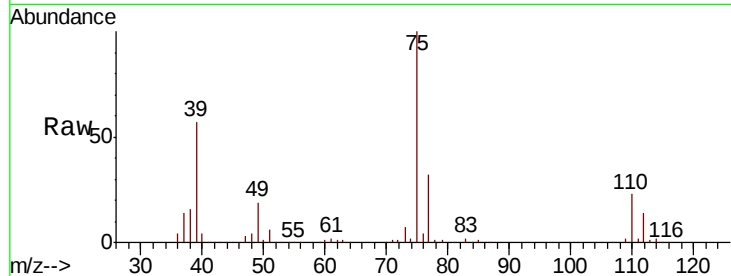
ClientSampleId :

Tot Ion: 75 Resp: 166469

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

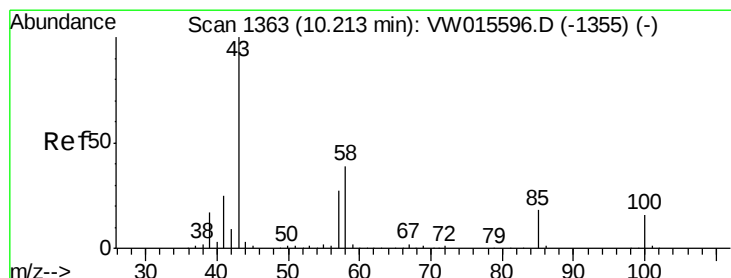
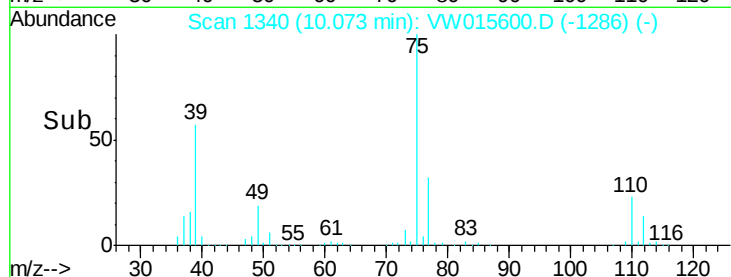
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 55.970 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

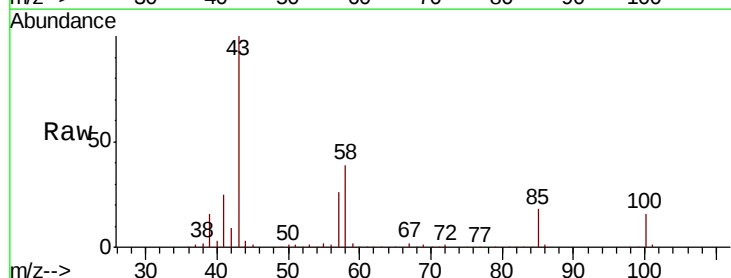
Tgt Ion: 43 Resp: 136697

Ion Ratio Lower Upper

43 100

58 38.8 30.6 46.0

100 16.0 12.5 18.7



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

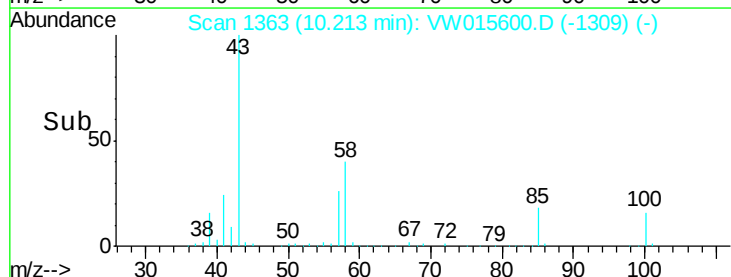
150000

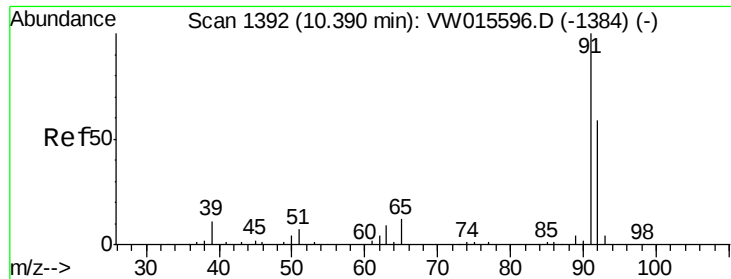
100000

50000

0

Time-->





#44

Toluene

Concen: 25.589 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

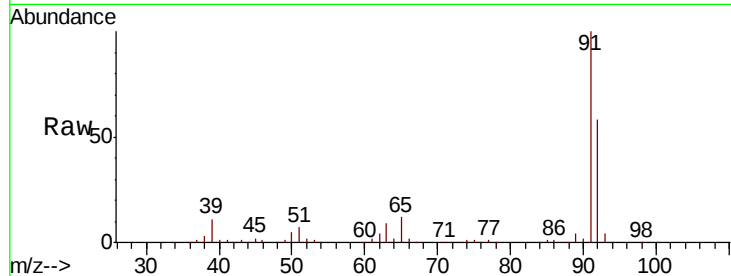
ClientSampled :

Tot Ion: 91 Resp: 471688

Ion Ratio Lower Upper

91 100

92 58.0 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

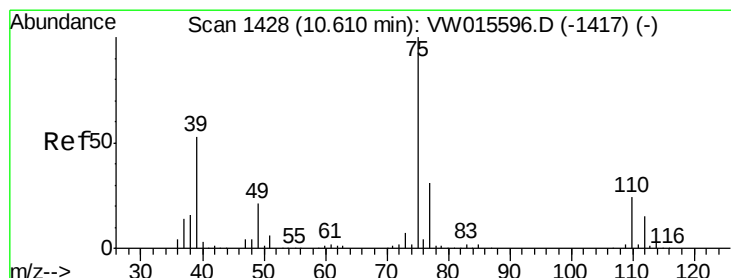
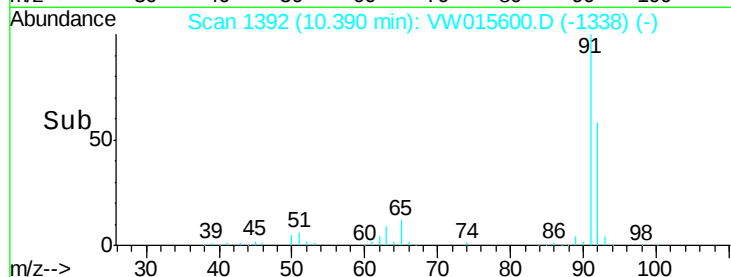
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 25.033 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015600.D

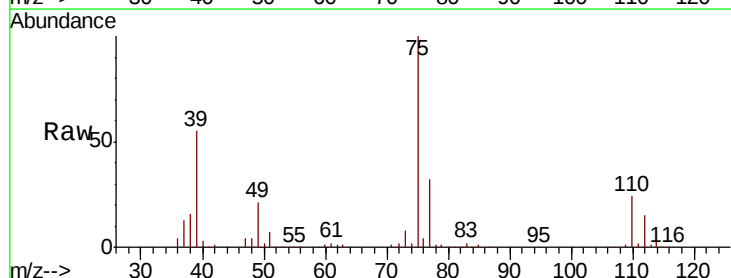
Acq: 12 Jun 2020 12:25

Tgt Ion: 75 Resp: 145248

Ion Ratio Lower Upper

75 100

77 32.3 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

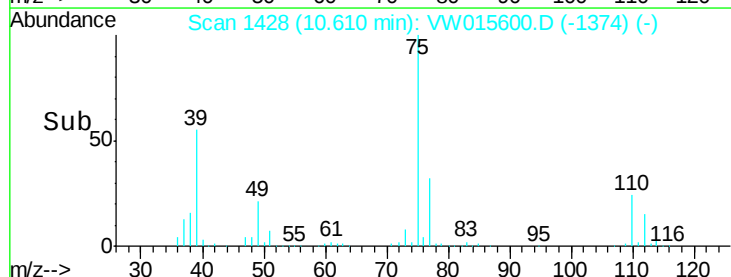
60000

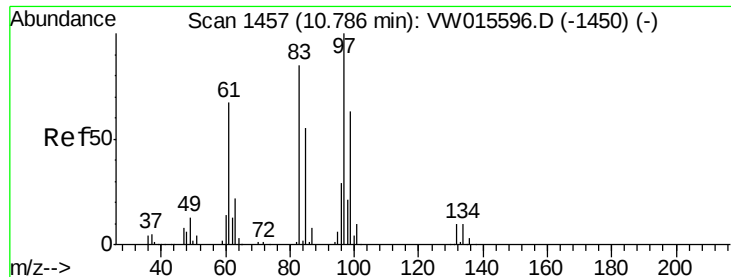
40000

20000

0

Time--> 10.50 10.60





#46

1,1,2-Trichloroethane

Concen: 26.675 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 77754

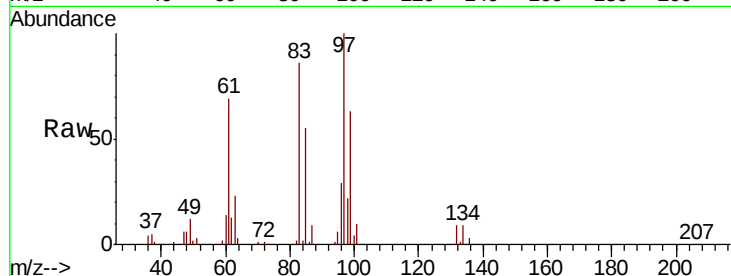
Ion	Ratio	Lower	Upper
97	100		
83	86.2	58.2	108.2
85	55.1	37.4	69.4
99	62.6	43.7	81.1

97 100

83 86.2 58.2 108.2

85 55.1 37.4 69.4

99 62.6 43.7 81.1



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

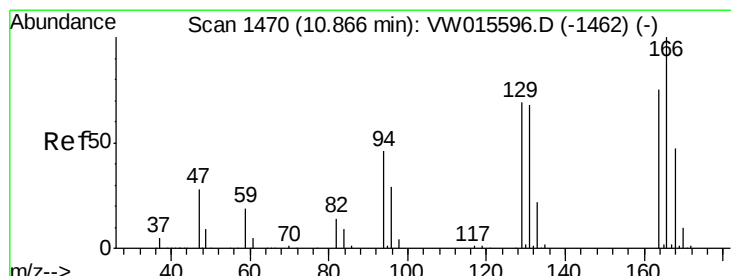
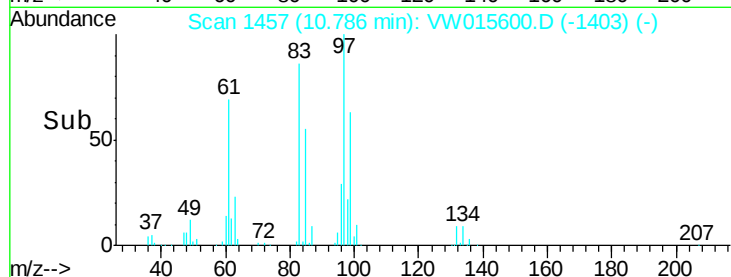
10.79

40000

20000

0

Time-->



#47

Tetrachloroethene

Concen: 25.412 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Tgt Ion: 164 Resp: 91546

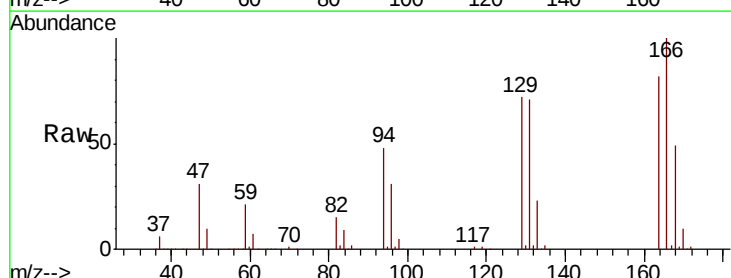
Ion	Ratio	Lower	Upper
164	100		
129	88.5	66.3	123.1
131	86.4	65.1	120.9
166	122.4	90.8	168.6

164 100

129 88.5 66.3 123.1

131 86.4 65.1 120.9

166 122.4 90.8 168.6



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

10.87

100000

80000

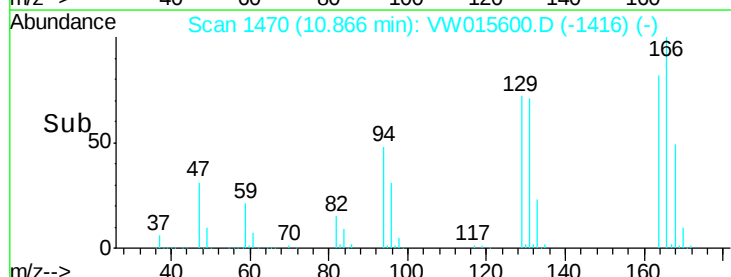
60000

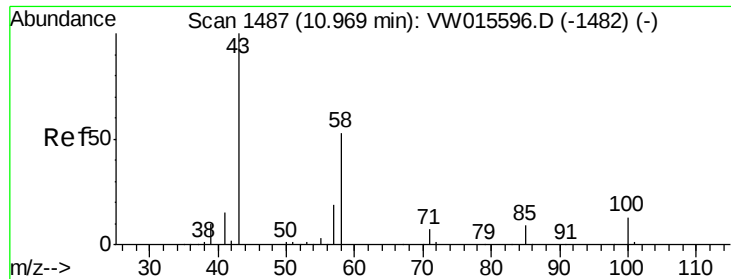
40000

20000

0

Time-->





#49

2-Hexanone

Concen: 54.543 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 89916

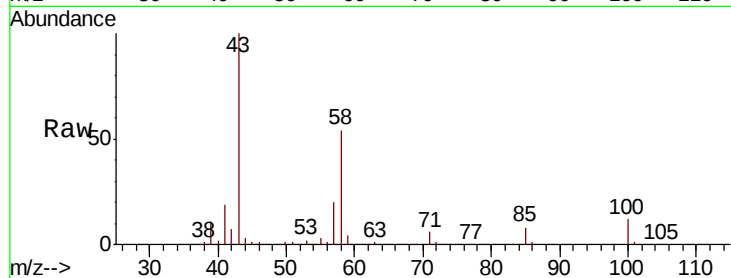
Ion Ratio Lower Upper

43 100

58 53.0 42.6 64.0

57 18.9 15.5 23.3

100 12.6 10.3 15.5

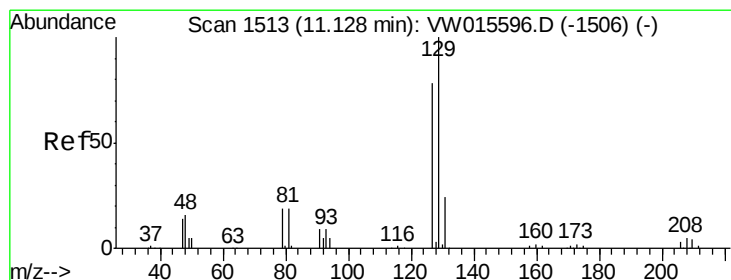
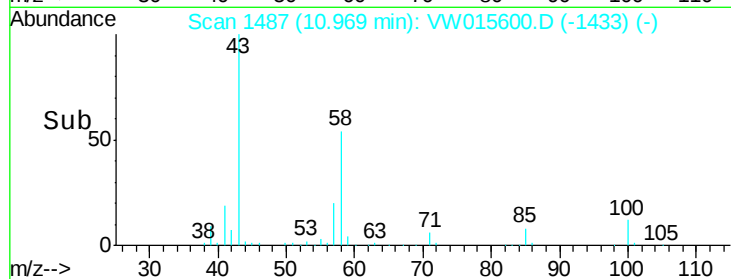
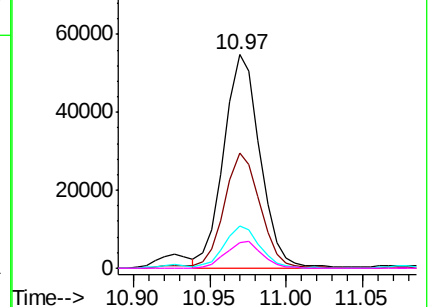


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.141 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015600.D

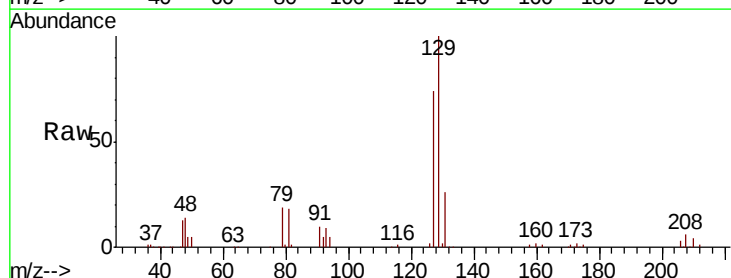
Acq: 12 Jun 2020 12:25

Tgt Ion: 129 Resp: 92576

Ion Ratio Lower Upper

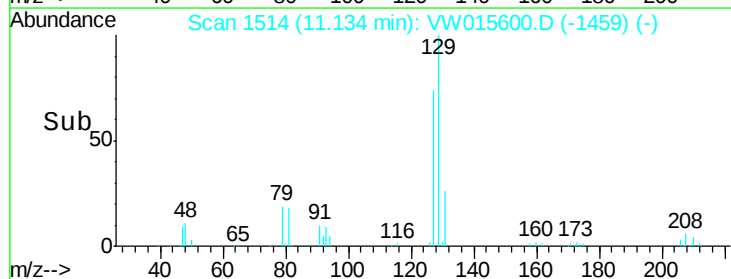
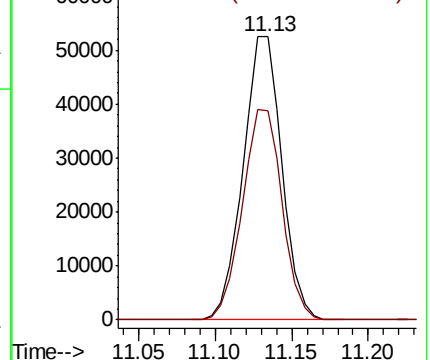
129 100

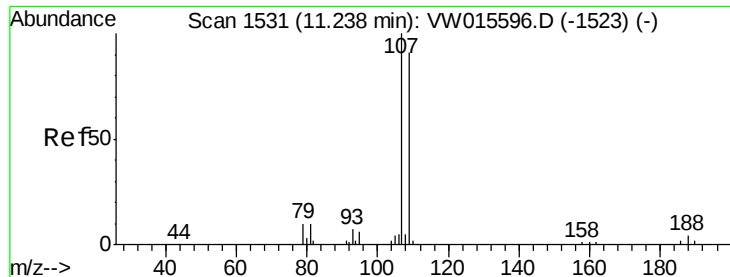
127 74.0 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

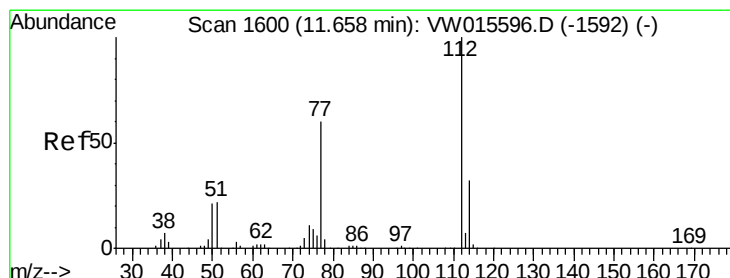
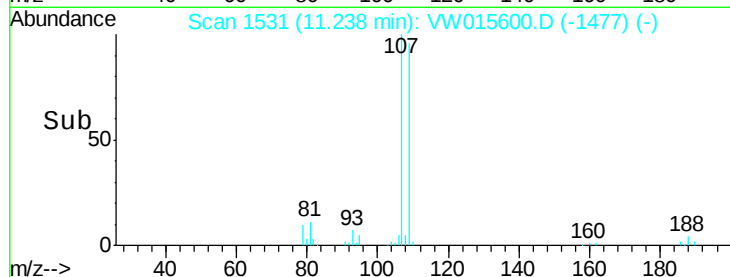
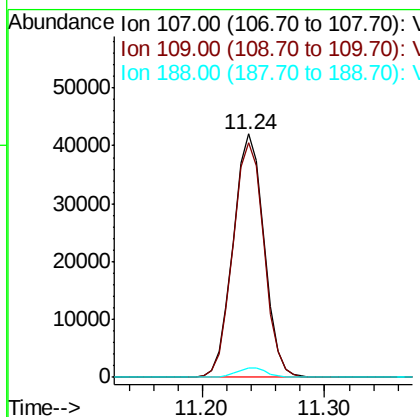
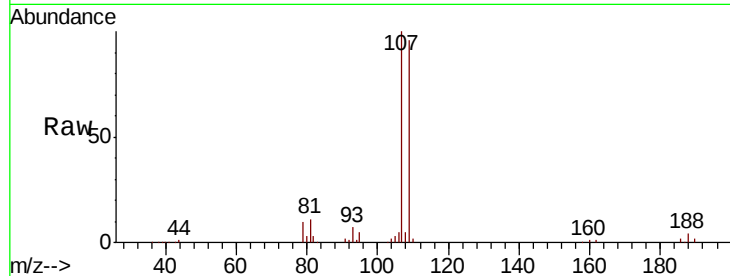




#51
1,2-Dibromoethane
Concen: 26.312 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

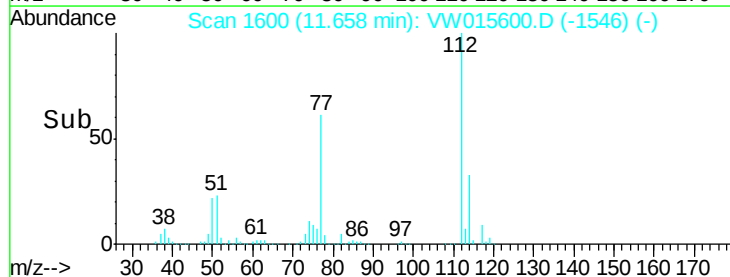
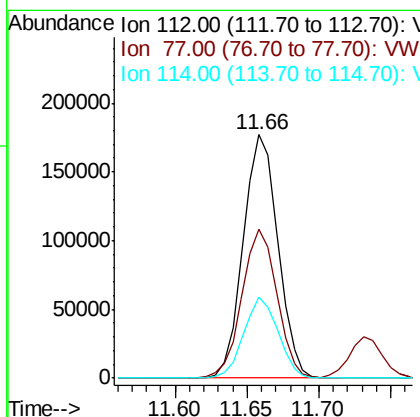
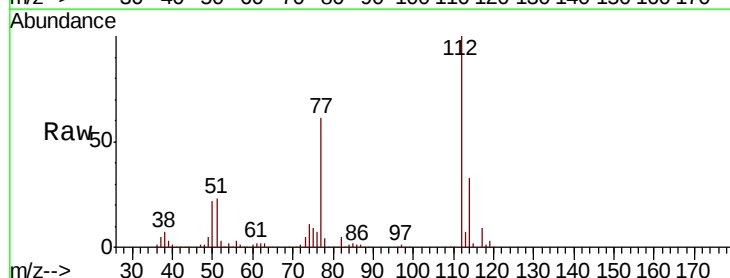
Instrument :
MSVOA_W
ClientSampled :

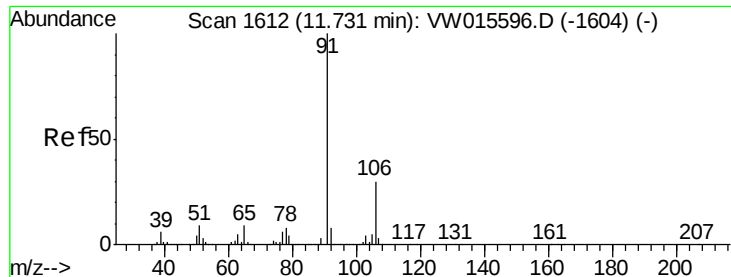
Tot Ion:107 Resp: 73631
Ion Ratio Lower Upper
107 100
109 96.3 64.6 120.0
188 3.7 2.8 4.2



#52
Chlorobenzene
Concen: 25.578 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion:112 Resp: 295734
Ion Ratio Lower Upper
112 100
77 61.4 49.7 74.5
114 33.2 21.8 40.6

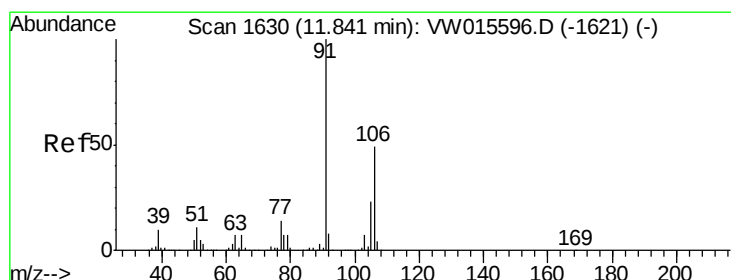
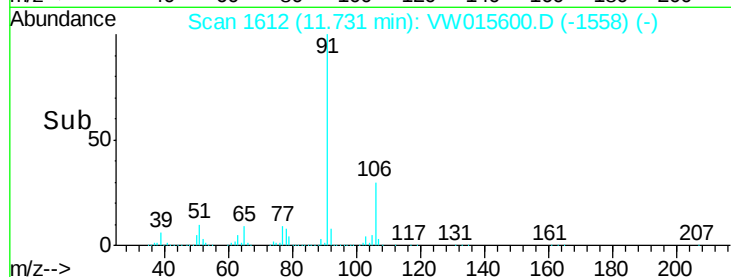
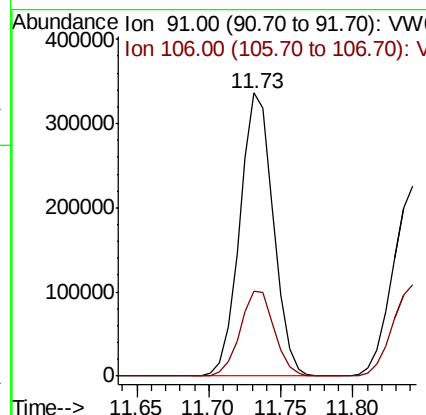
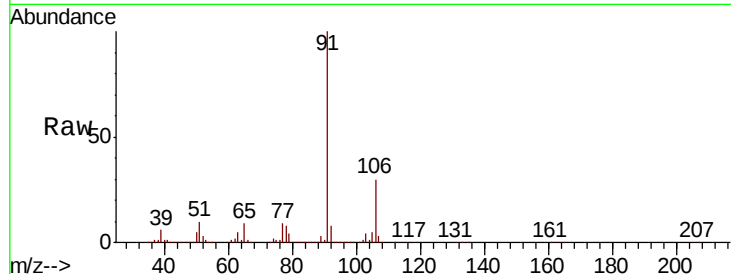




#53
Ethylbenzene
Concen: 25.628 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

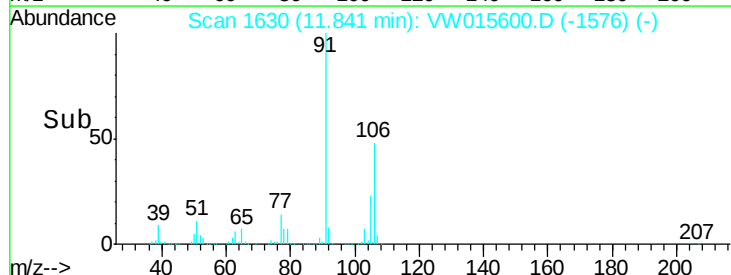
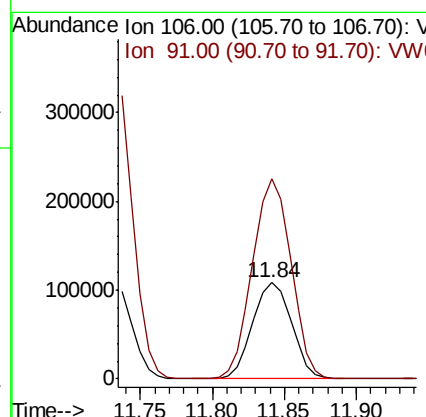
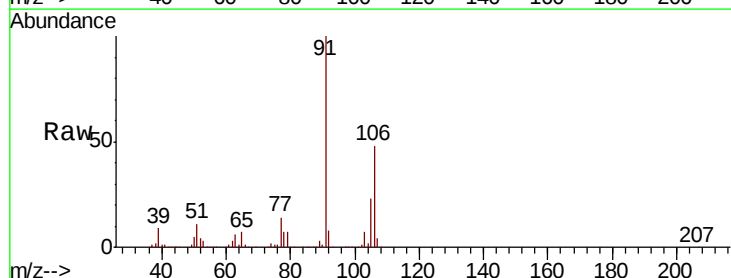
Instrument :
MSVOA_W
ClientSampled :

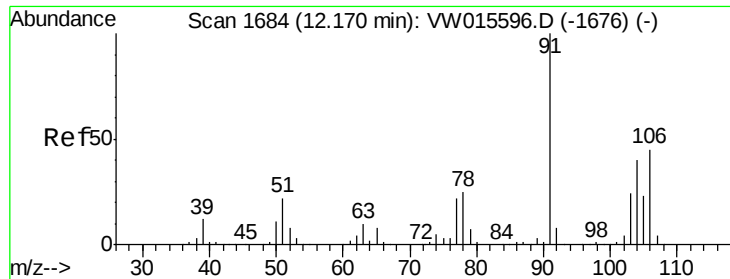
Tot Ion: 91 Resp: 542441
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#54
m,p-Xylene
Concen: 25.708 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

Tgt Ion: 106 Resp: 204178
Ion Ratio Lower Upper
106 100
91 208.2 142.6 264.8





#55

o-xylene

Concen: 25.804 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

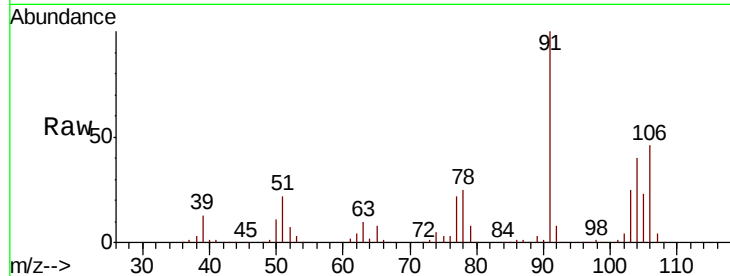
ClientSampled :

Tot Ion:106 Resp: 194533

Ion Ratio Lower Upper

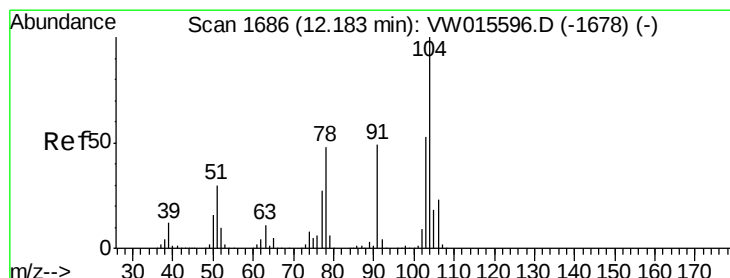
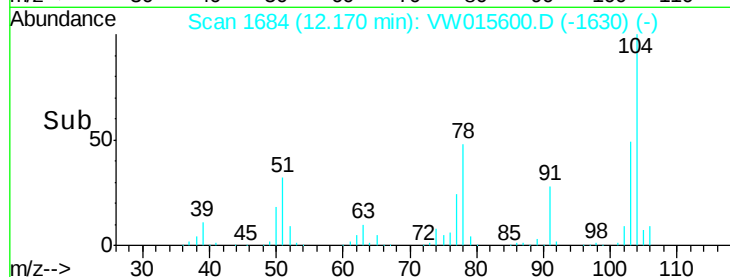
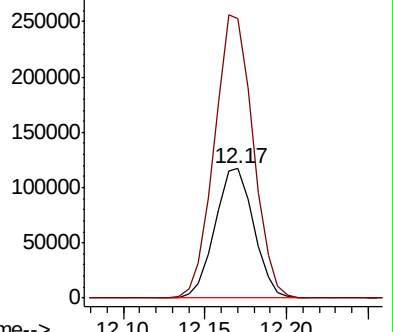
106 100

91 216.1 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.643 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015600.D

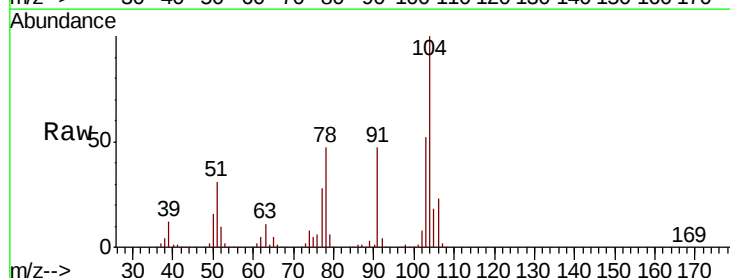
Acq: 12 Jun 2020 12:25

Tgt Ion:104 Resp: 330327

Ion Ratio Lower Upper

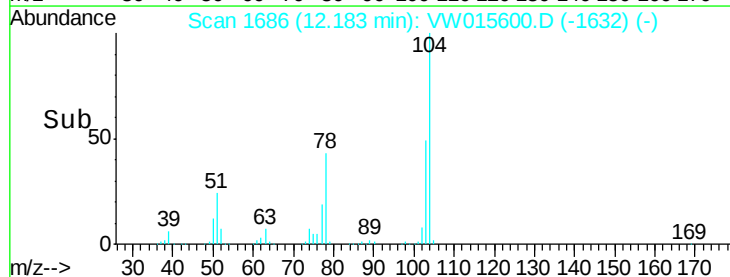
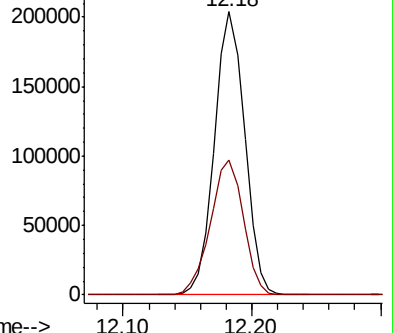
104 100

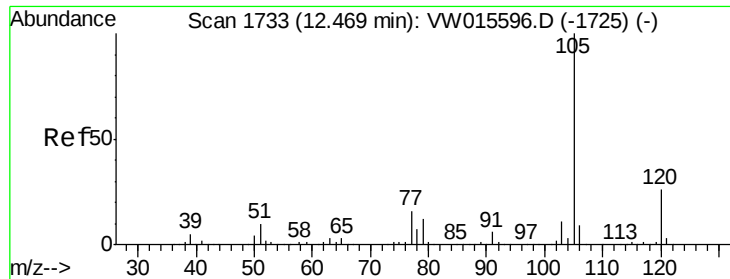
78 47.5 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.987 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

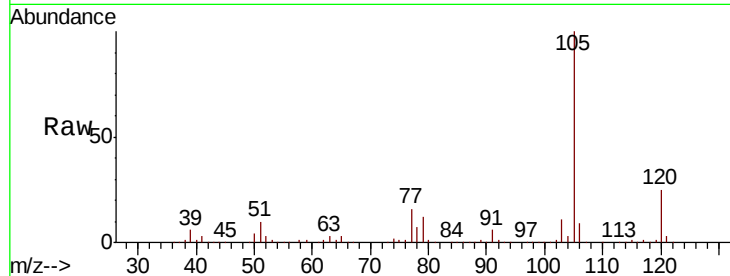
Tot Ion:105 Resp: 545738

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

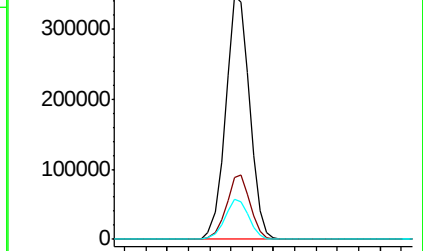
77 16.3 13.0 19.6



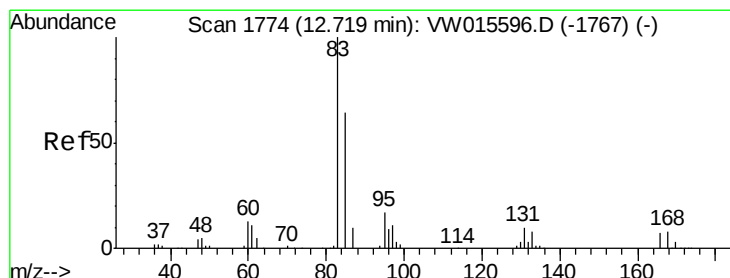
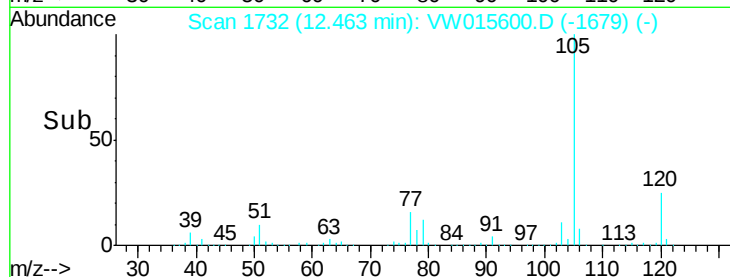
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 27.879 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

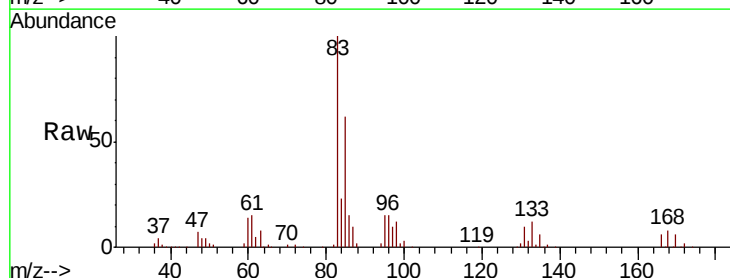
Tgt Ion: 83 Resp: 94080

Ion Ratio Lower Upper

83 100

85 61.7 44.7 82.9

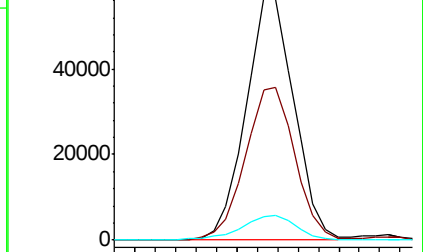
131 9.6 9.1 13.7



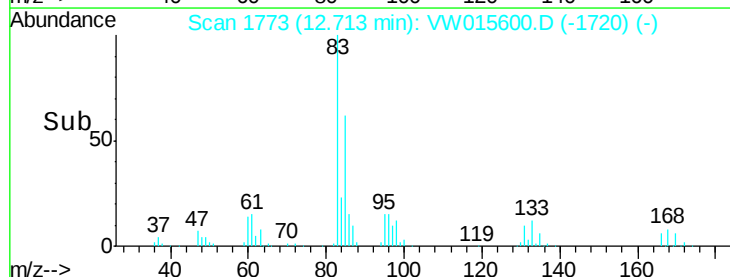
Abundance Ion 83.00 (82.70 to 83.70): VW

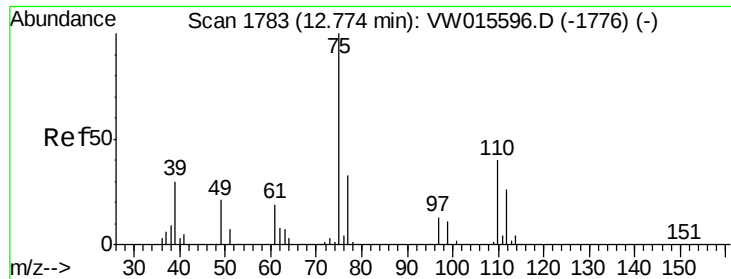
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 27.043 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

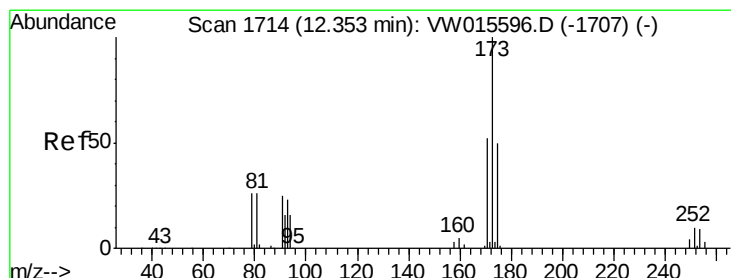
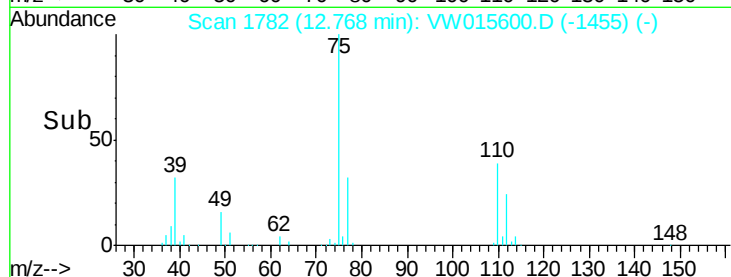
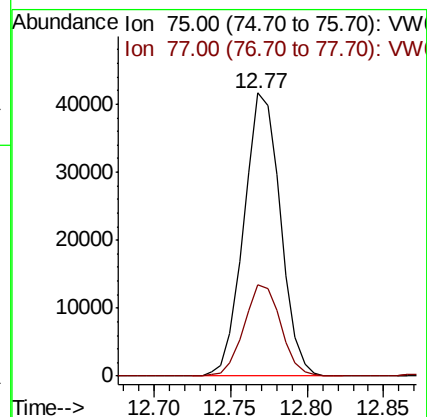
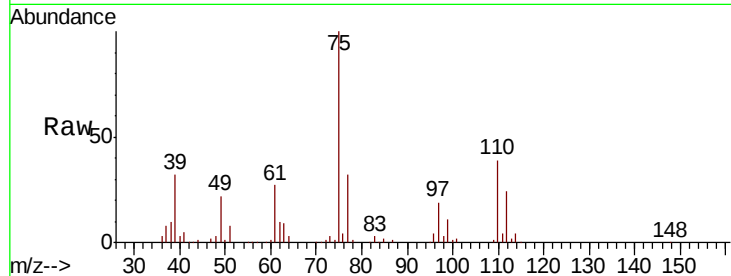
ClientSampled :

Tot Ion: 75 Resp: 69197

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 24.059 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

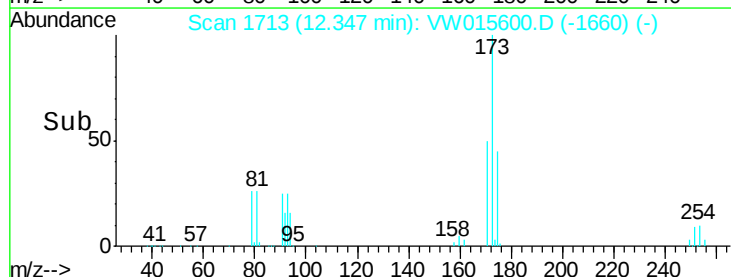
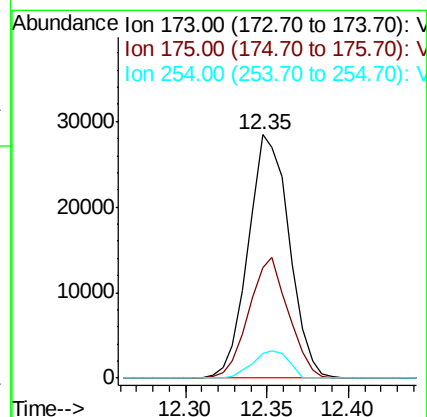
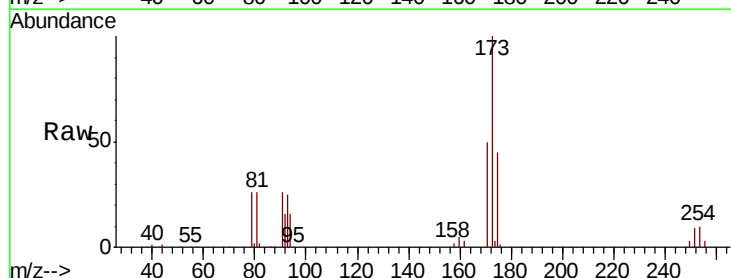
Tgt Ion: 173 Resp: 49785

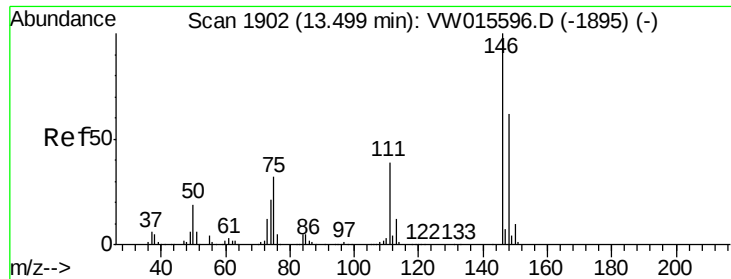
Ion Ratio Lower Upper

173 100

175 47.8 37.9 56.9

254 9.8 6.8 10.2

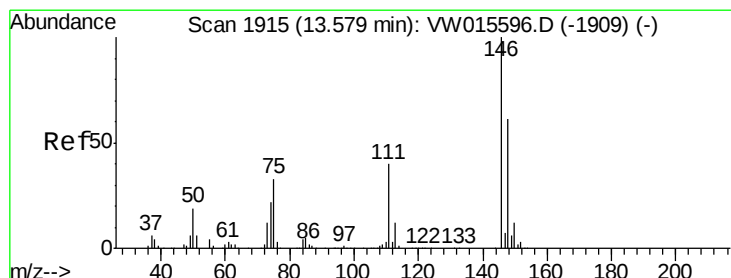
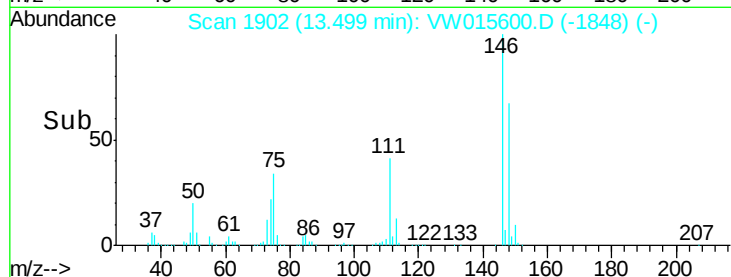
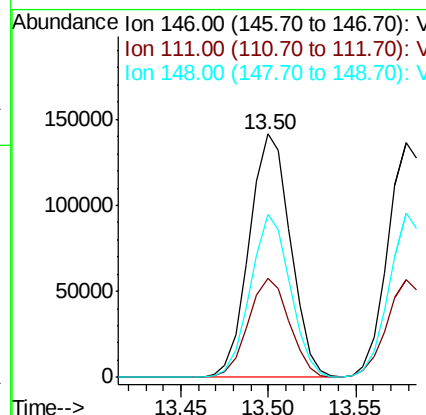
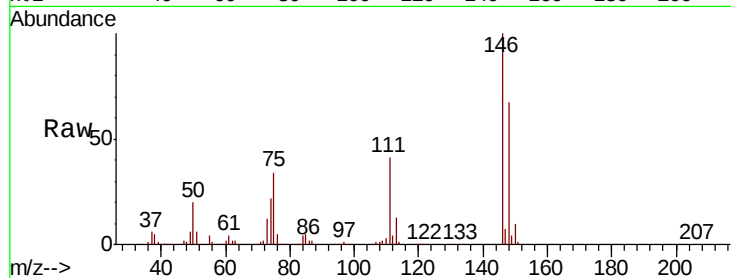




#63
 1,3-Dichlorobenzene
 Concen: 25.529 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

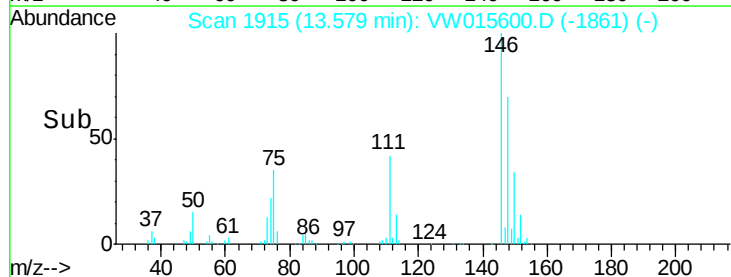
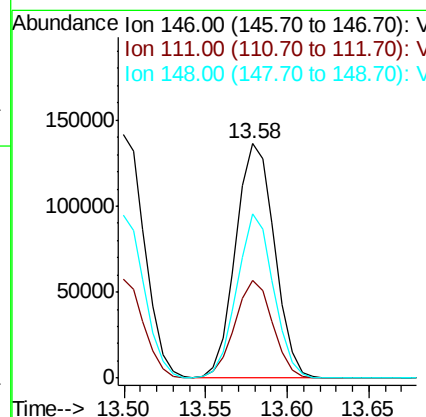
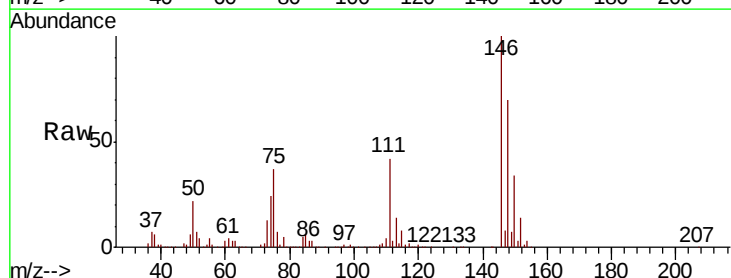
Instrument :
 MSVOA_W
 ClientSampleId :

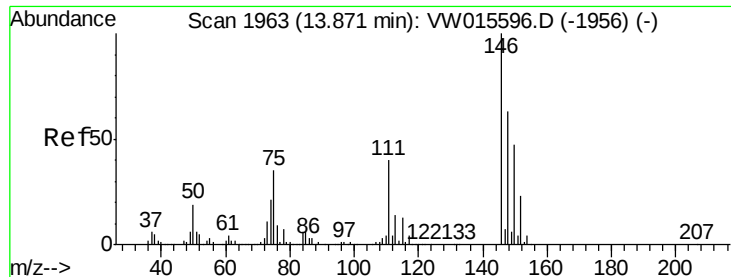
Tot Ion:146 Resp: 232008
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.3 54.5
 148 67.2 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 25.444 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Tgt Ion:146 Resp: 226577
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.1 52.1
 148 69.9 43.3 80.3





#65

1,2-Dichlorobenzene

Concen: 26.635 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

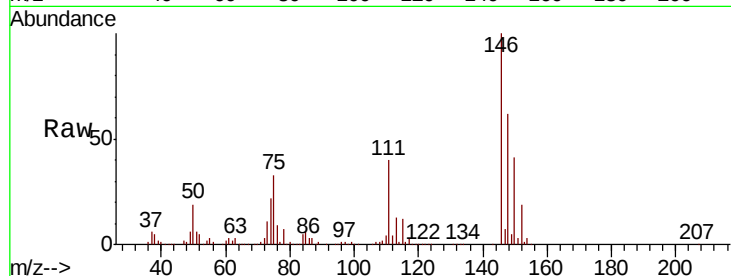
Tot Ion:146 Resp: 210352

Ion Ratio Lower Upper

146 100

111 39.6 34.9 52.3

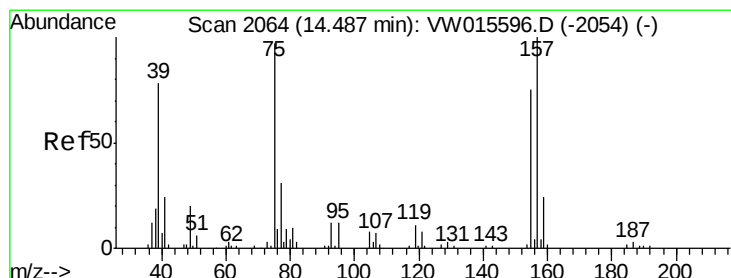
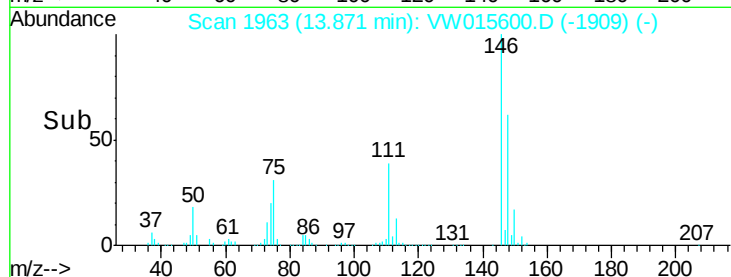
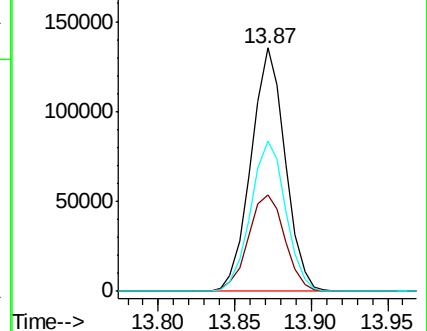
148 61.6 51.8 77.8



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: 24.231 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

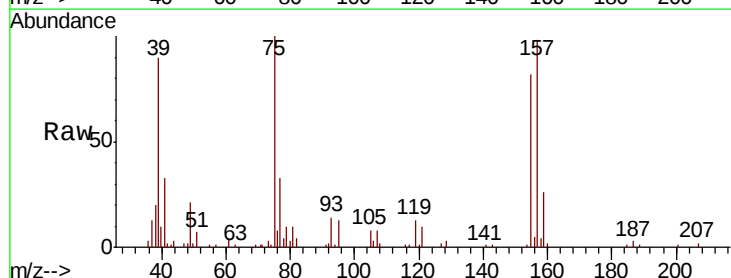
Tgt Ion: 75 Resp: 14517

Ion Ratio Lower Upper

75 100

157 98.0 87.4 131.0

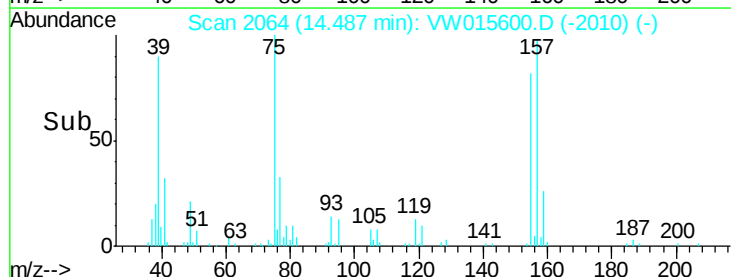
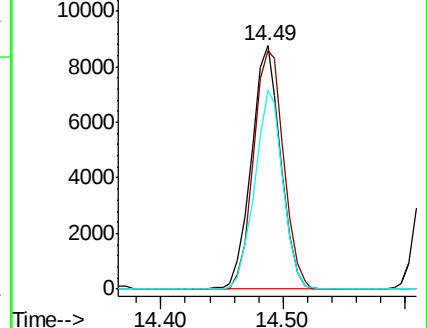
155 81.6 64.6 96.8

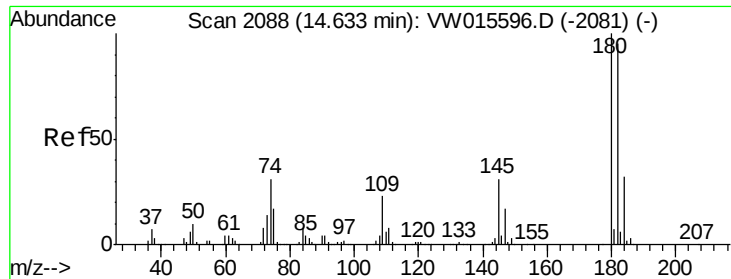


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

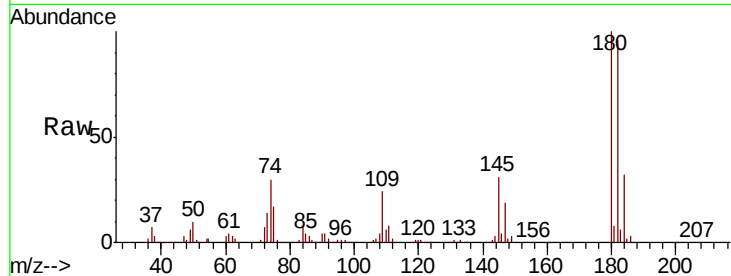




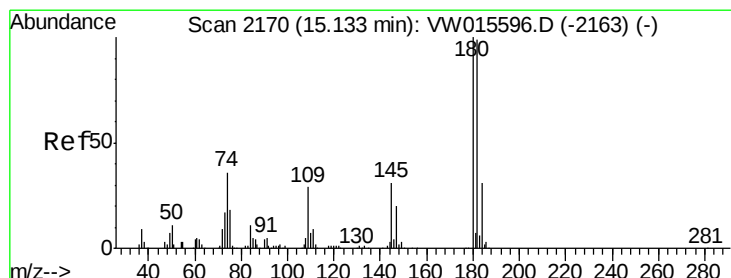
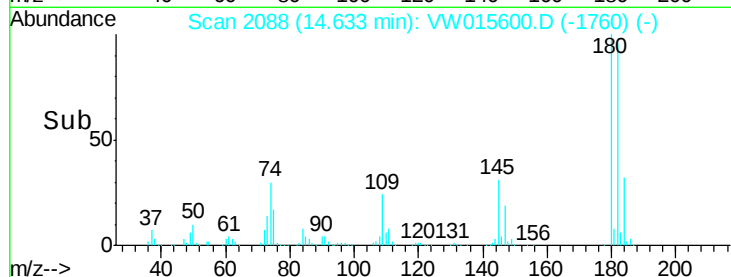
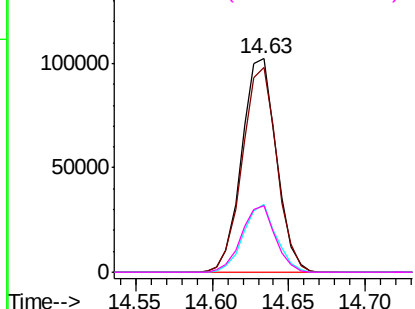
#67
 1,3,5-Trichlorobenzene
 Concen: 25.625 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	161229
Ion	Ratio	Lower Upper
180	100	
182	95.3	76.6 114.8
184	30.0	24.4 36.6
145	30.1	24.0 36.0

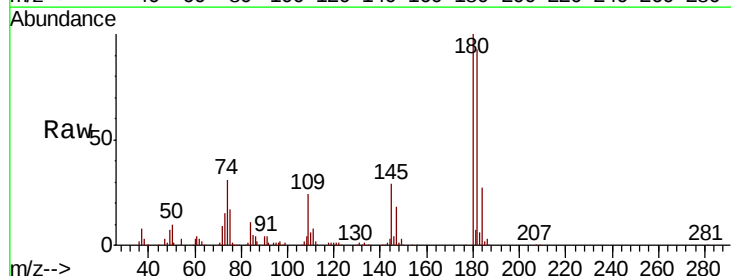


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

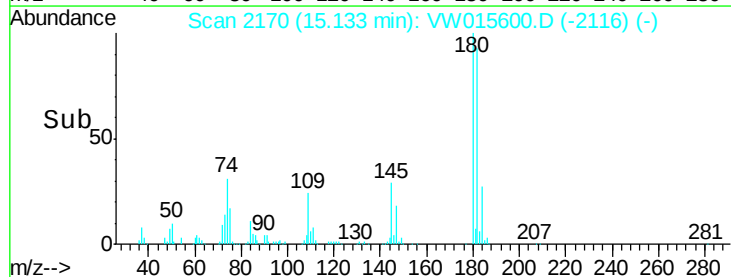
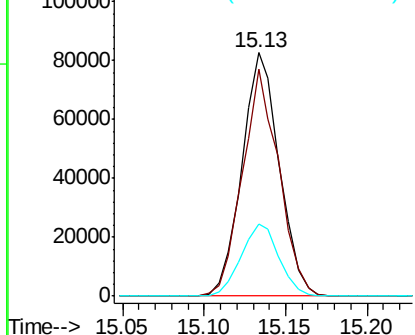


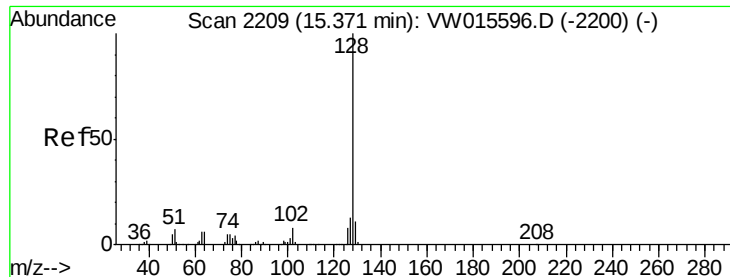
#68
 1,2,4-trichlorobenzene
 Concen: 25.950 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Tgt Ion:180	Resp:	131504
Ion	Ratio	Lower Upper
180	100	
182	90.9	76.1 114.1
145	30.1	25.2 37.8



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





#69

Naphthalene

Concen: 25.995 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

Instrument :

MSVOA_W

ClientSampleId :

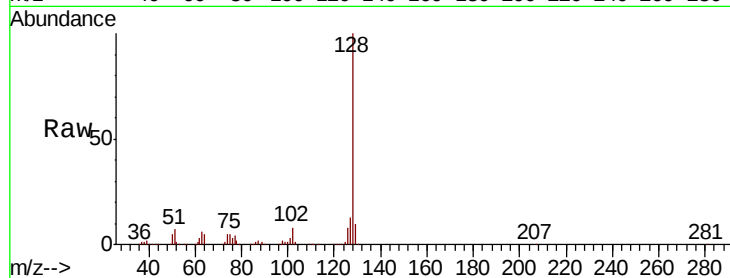
Tot Ion:128 Resp: 239198

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

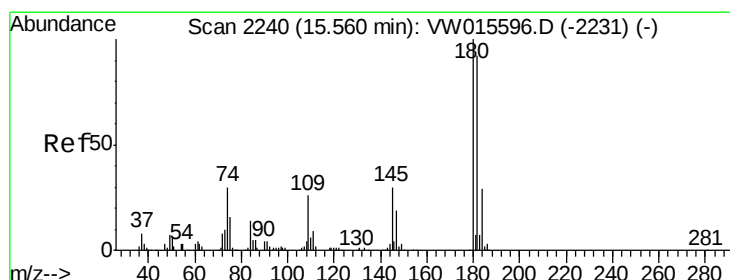
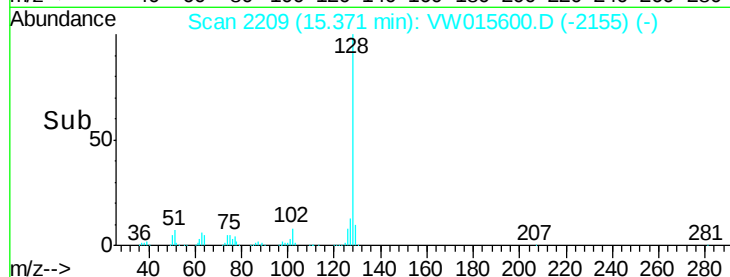
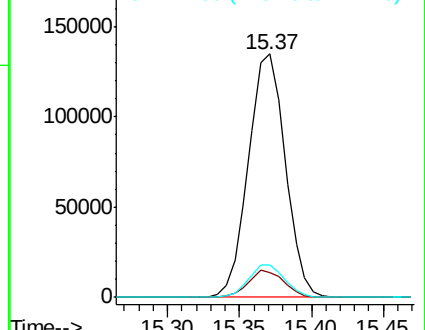
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.788 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015600.D

Acq: 12 Jun 2020 12:25

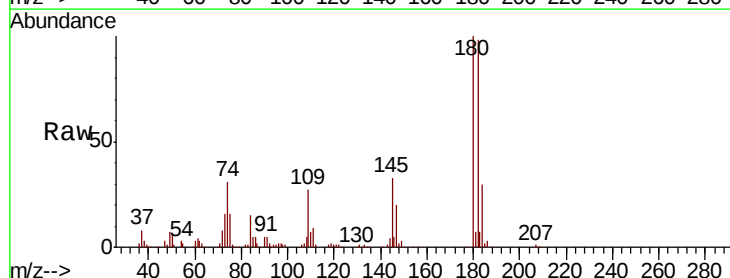
Tgt Ion:180 Resp: 111179

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 33.3 26.7 40.1



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

