

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\
 Data File : VW015600.D
 Acq On : 12 Jun 2020 12:25
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Jun 13 01:33:31 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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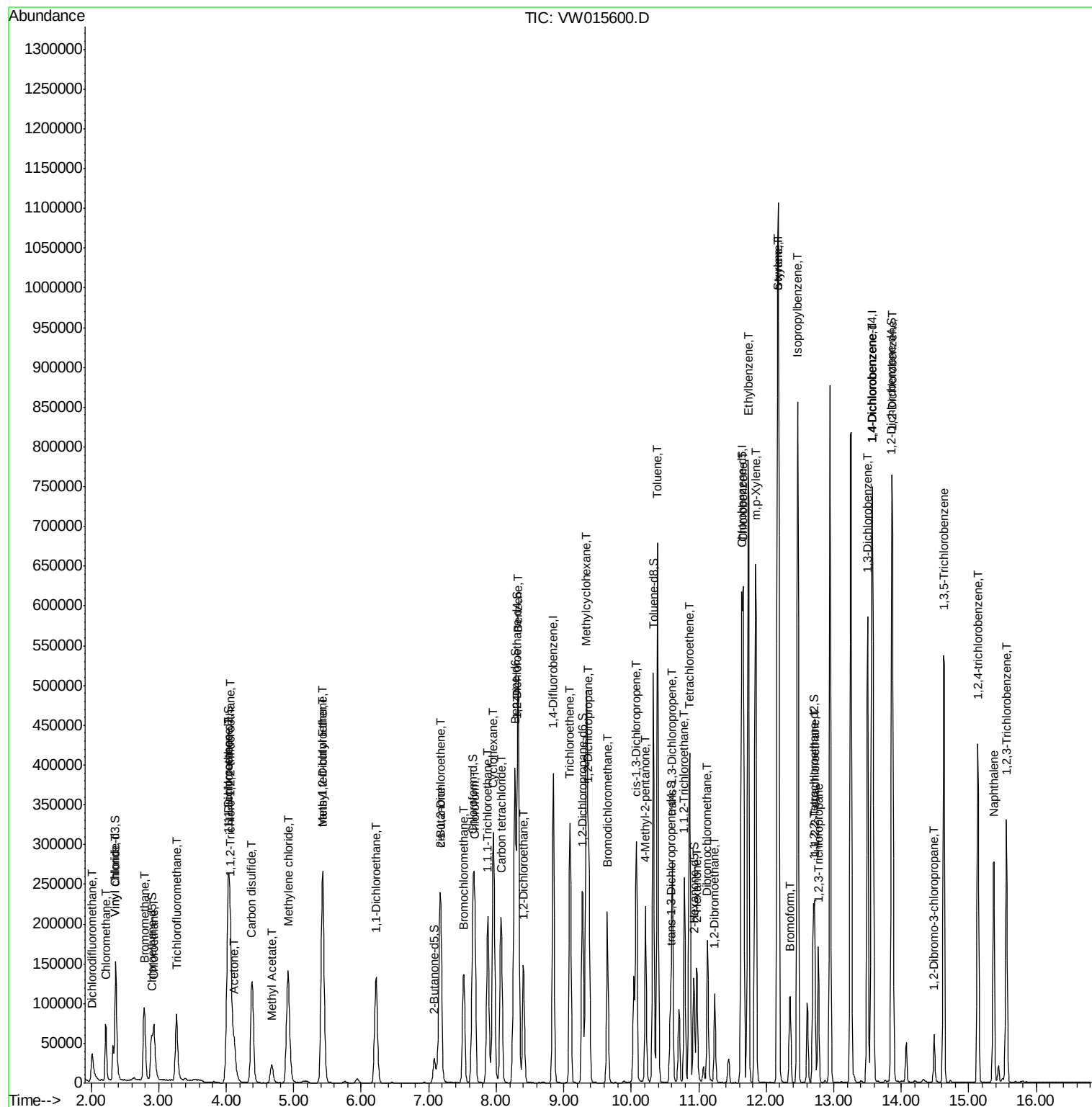
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47998	25.704	ug/L	95
25) Chloroform	7.68	83	194925	25.928	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136776	26.893	ug/L	99
30) Cyclohexane	7.96	56	172659	23.088	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	169118	24.987	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

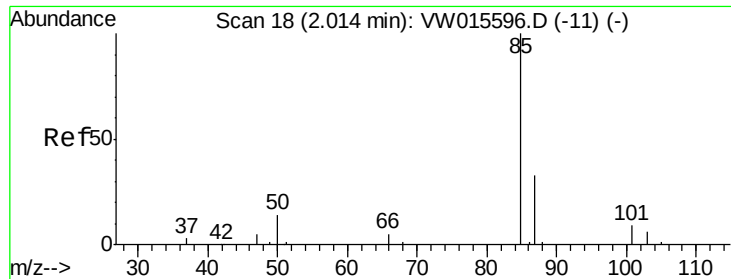
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

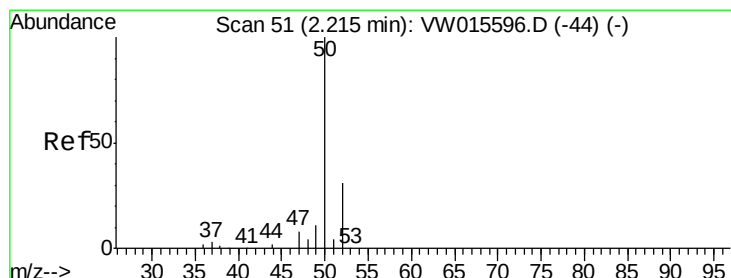
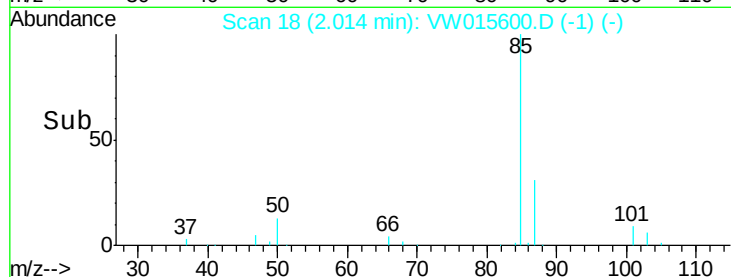
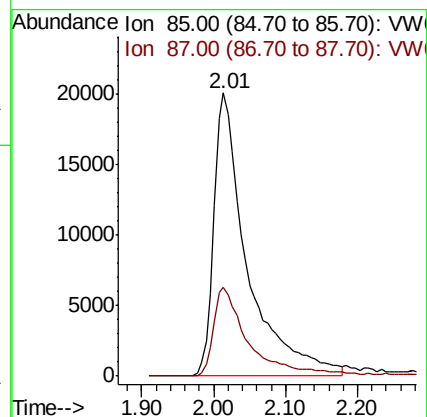
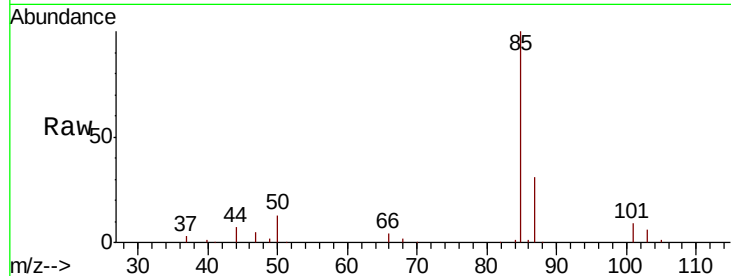
VSTD02530

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

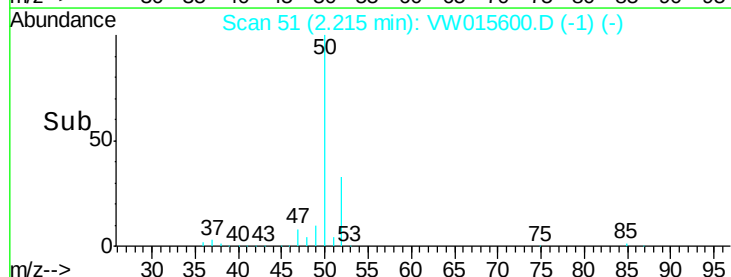
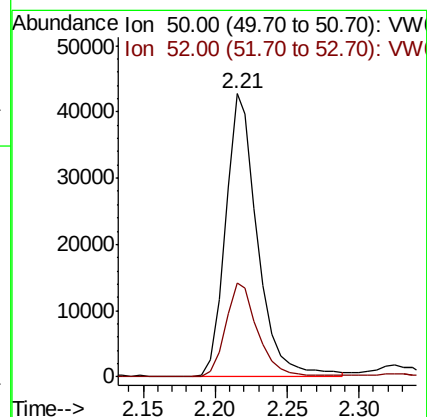
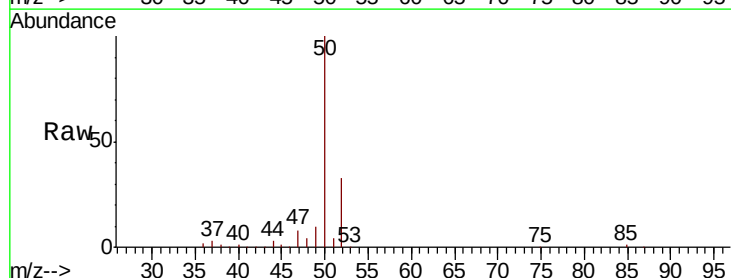
Acq: 12 Jun 2020 12:25

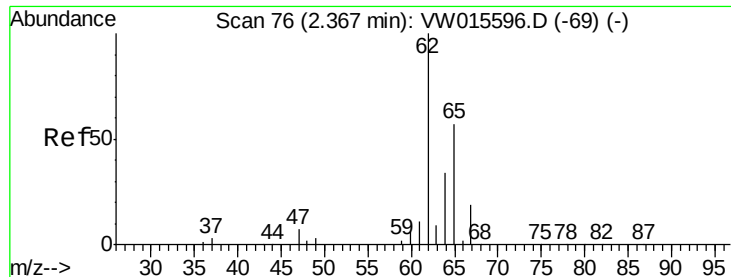
Tgt Ion: 50 Resp: 65817

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 :

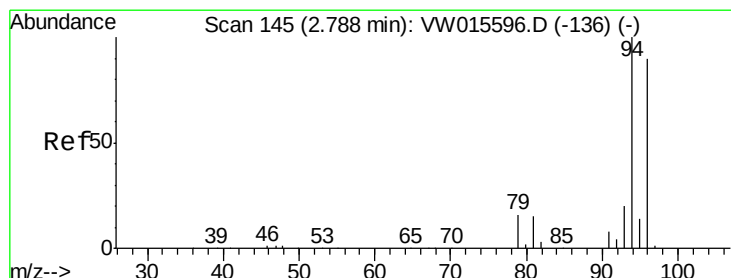
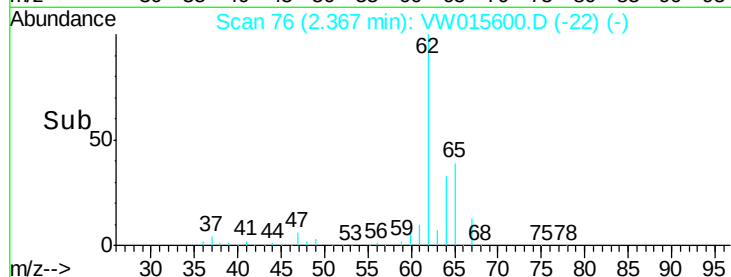
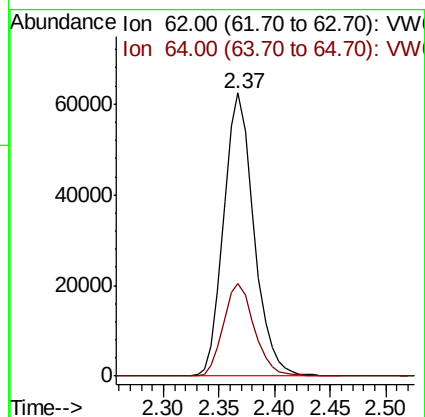
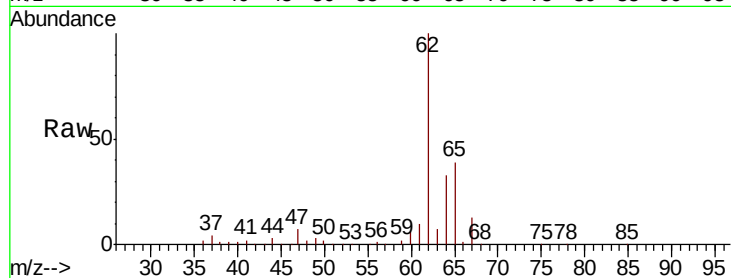
VSTD02530

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

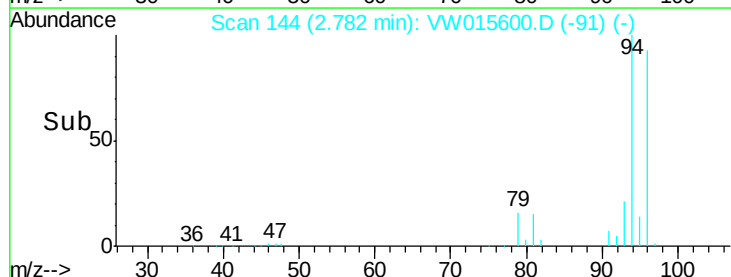
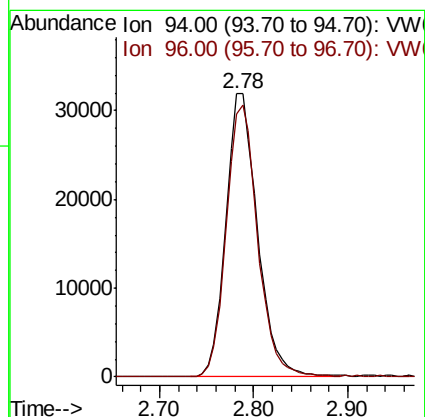
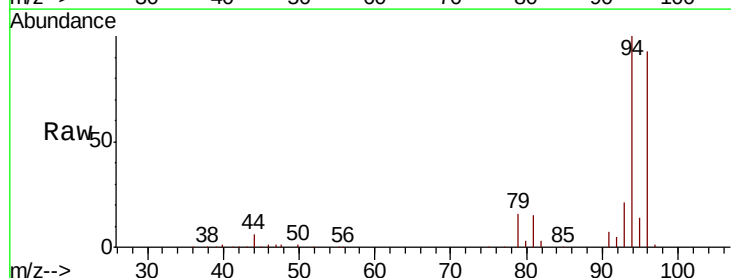
Acq: 12 Jun 2020 12:25

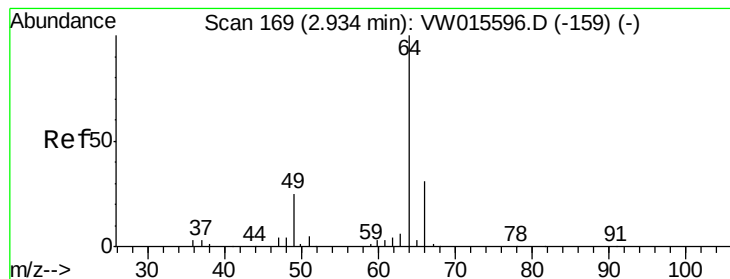
Tgt Ion: 94 Resp: 74699

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 :

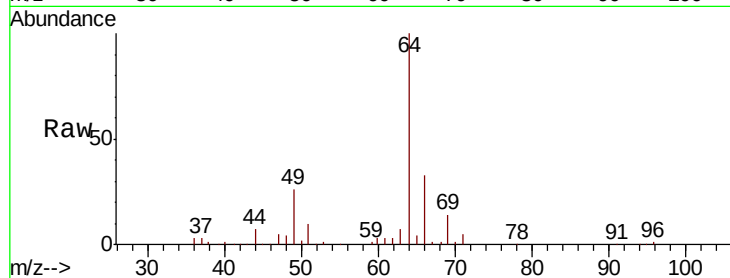
VSTD02530

Tot Ion: 64 Resp: 73522

Ion Ratio Lower Upper

64 100

66 32.8 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

30000

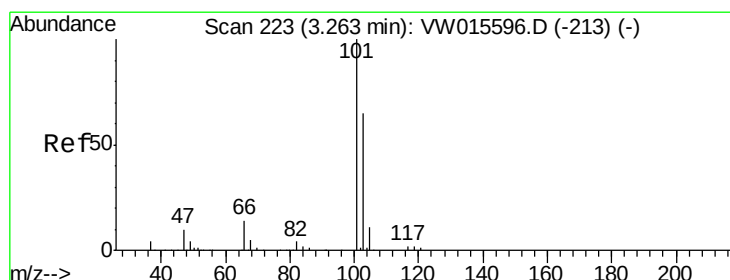
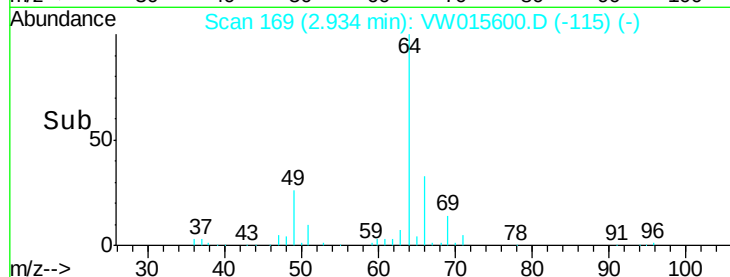
20000

10000

0

Time-->

2.80 2.90 3.00



#9

Trichlorofluoromethane

Concen: 27.641 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015600.D

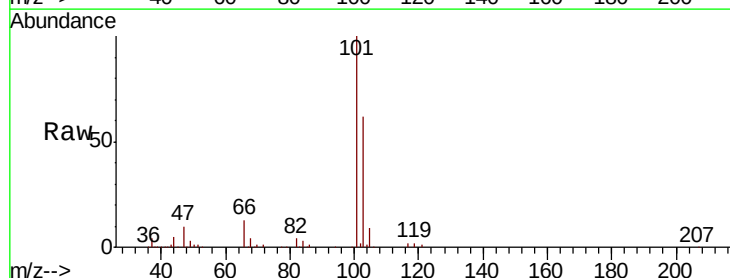
Acq: 12 Jun 2020 12:25

Tgt Ion: 101 Resp: 93455

Ion Ratio Lower Upper

101 100

103 64.1 46.6 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

40000

30000

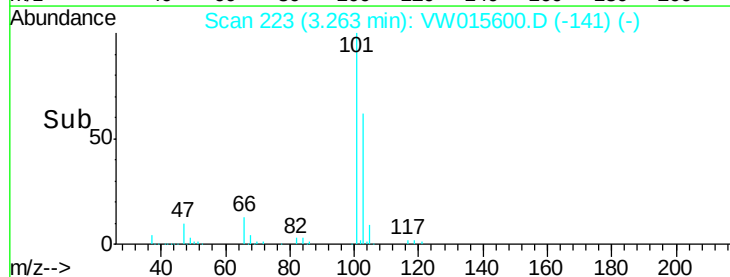
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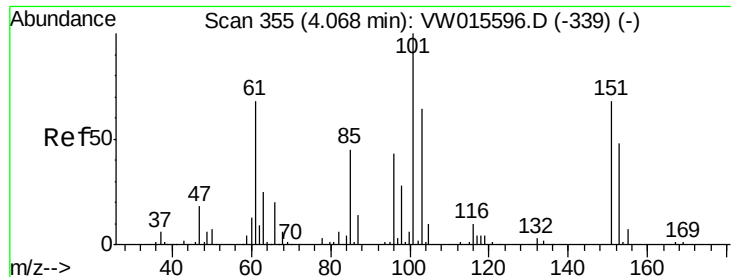
10000

0

Time-->

3.20 3.30 3.40





#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 :

VSTD02530

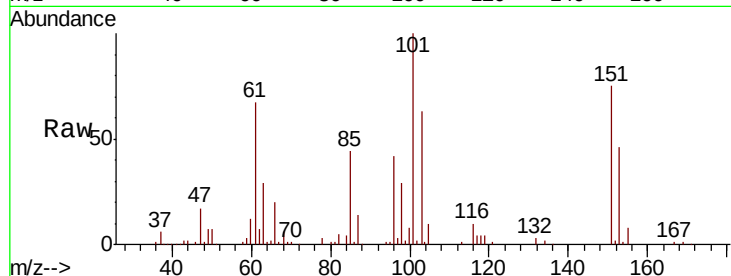
Tot Ion:101 Resp: 99658

Ion Ratio Lower Upper

101 100

85 45.2 35.1 52.7

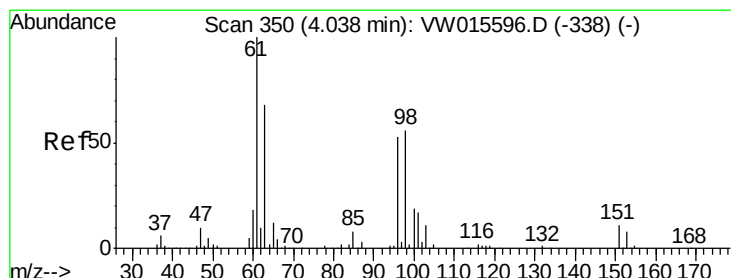
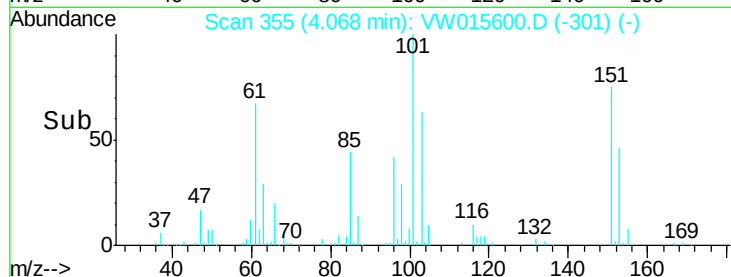
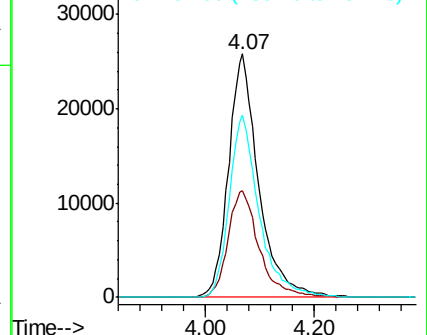
151 74.3 58.6 87.8



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

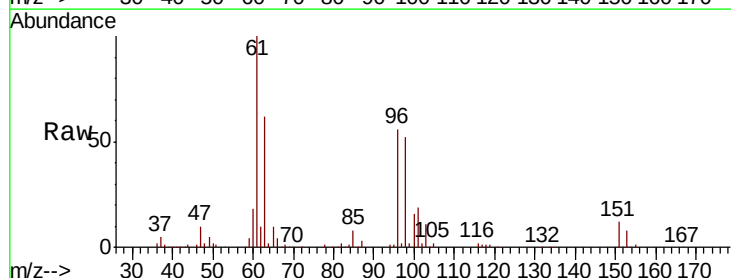
Tgt Ion: 96 Resp: 94929

Ion Ratio Lower Upper

96 100

61 177.1 127.7 237.1

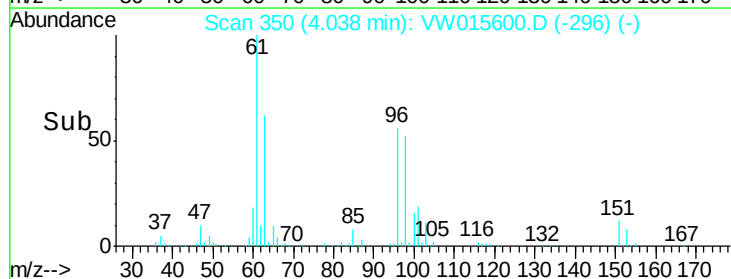
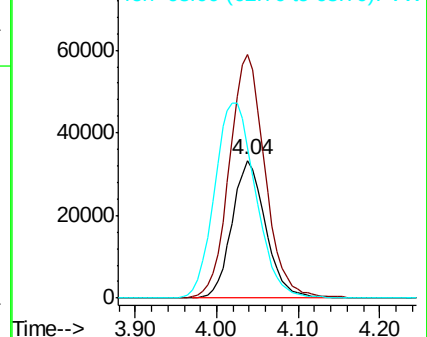
63 109.0 92.3 171.5

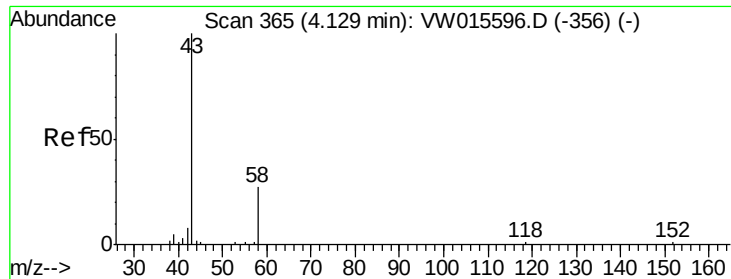


Abundance Ion 96.00 (95.70 to 96.70): VW

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

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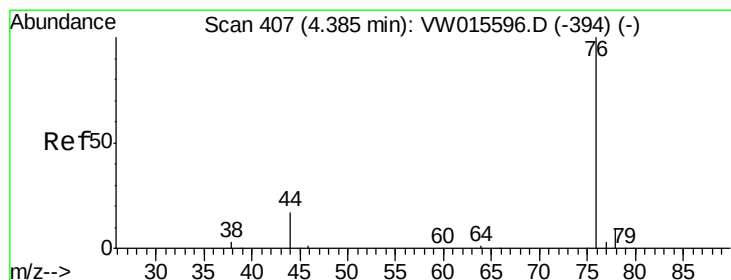
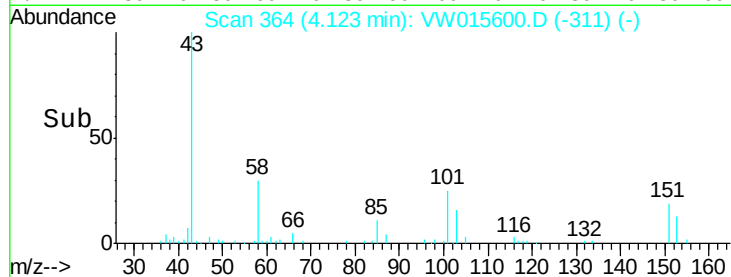
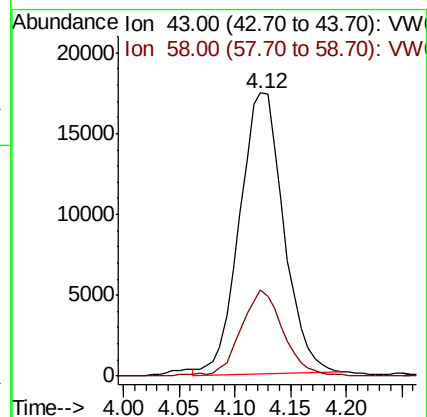
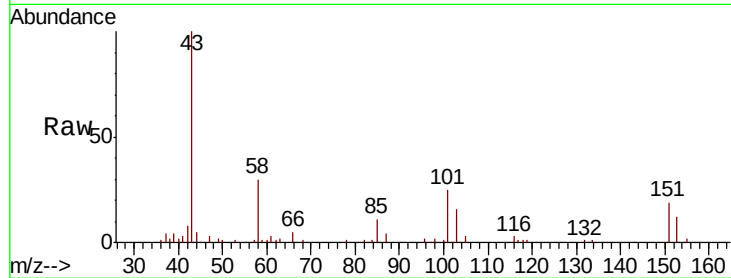
VSTD02530

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

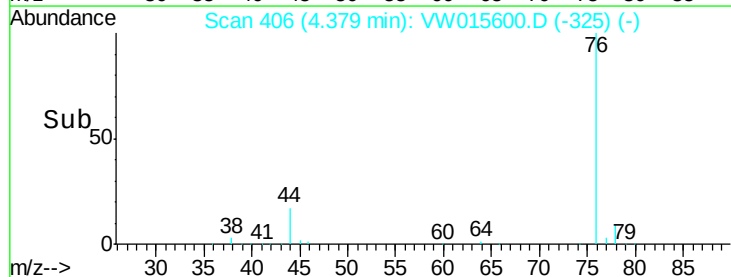
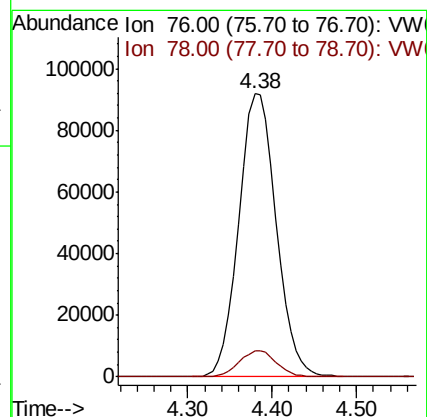
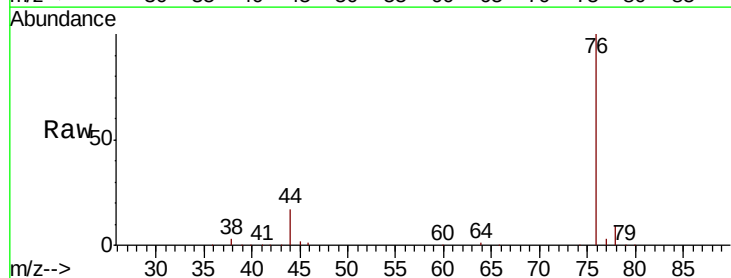
Acq: 12 Jun 2020 12:25

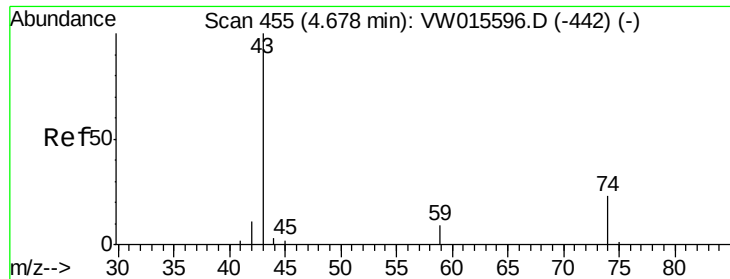
Tgt Ion: 76 Resp: 277209

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

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Acq: 12 Jun 2020 12:25

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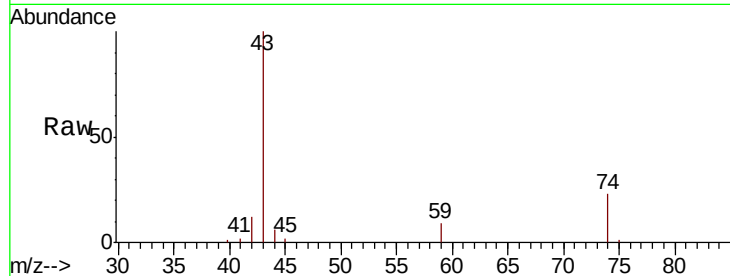
VSTD02530

Tot Ion: 43 Resp: 42717

Ion Ratio Lower Upper

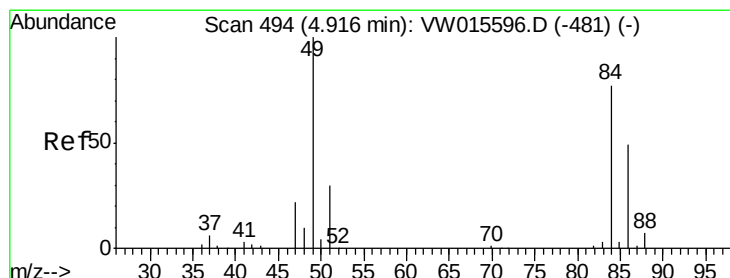
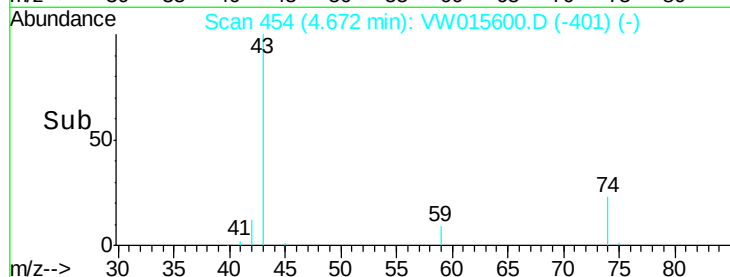
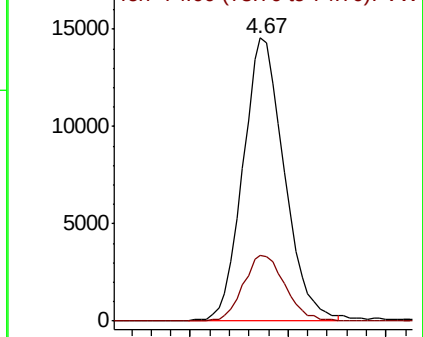
43 100

74 23.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#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

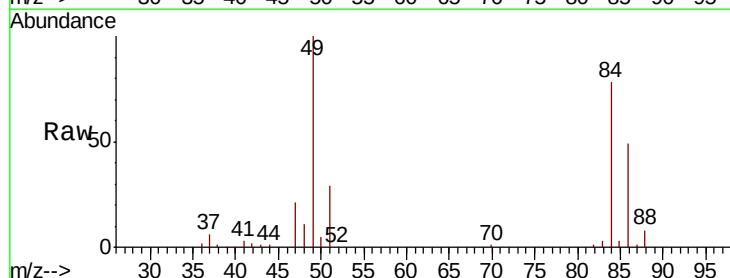
Tgt Ion: 84 Resp: 111772

Ion Ratio Lower Upper

84 100

49 127.9 93.0 172.8

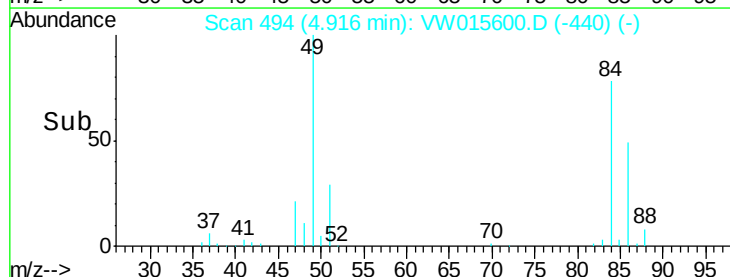
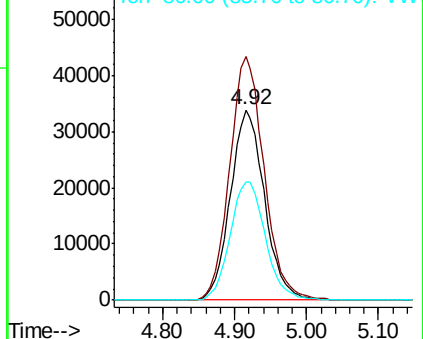
86 62.4 44.7 83.1

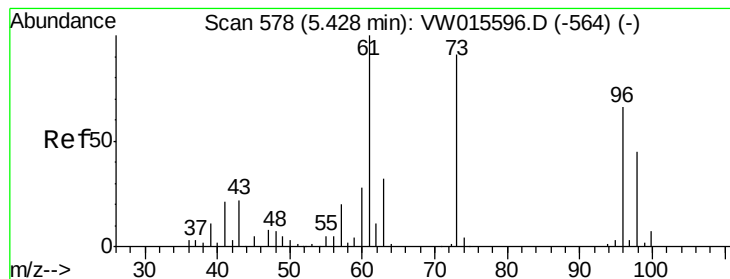


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





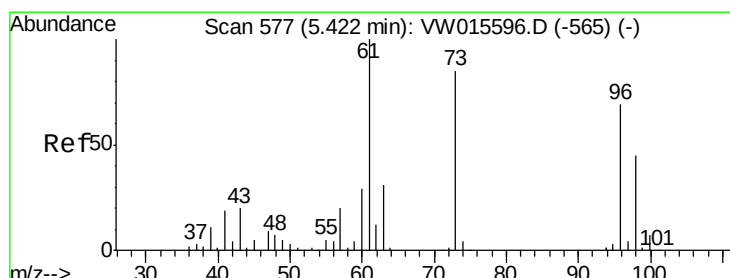
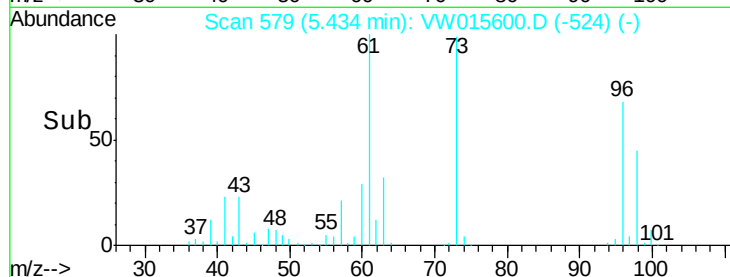
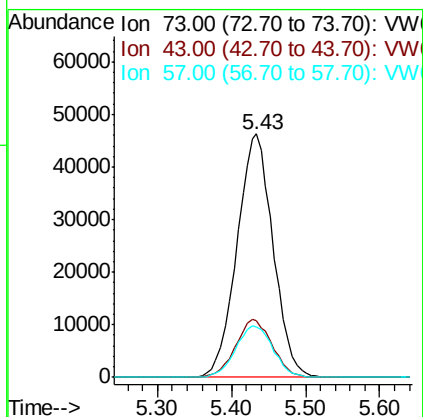
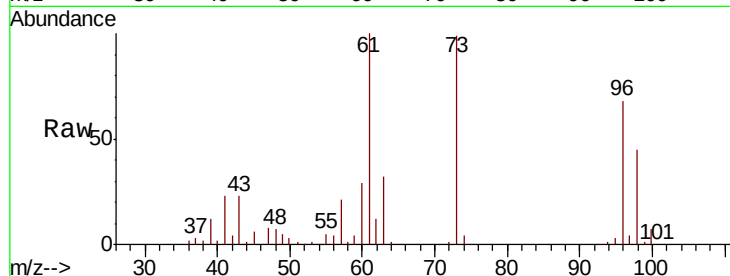
#17

Methyl tert-butyl 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
 ClientSampleId :
 VSTD02530

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

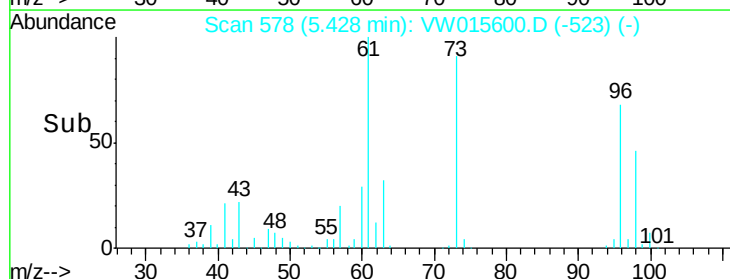
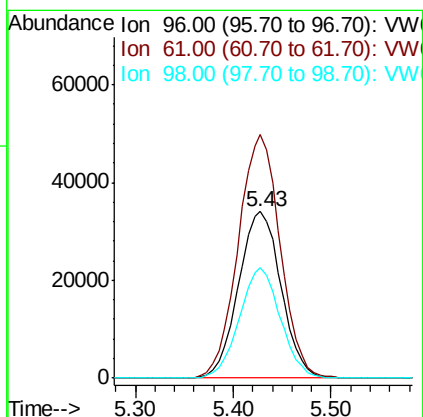
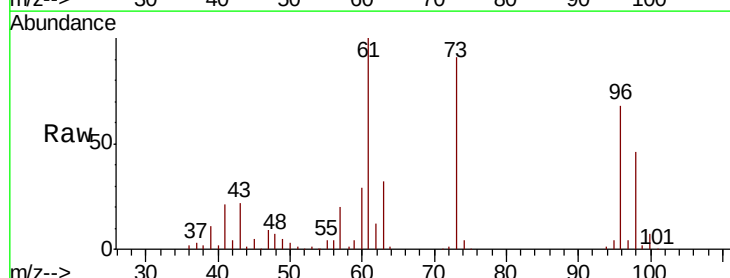


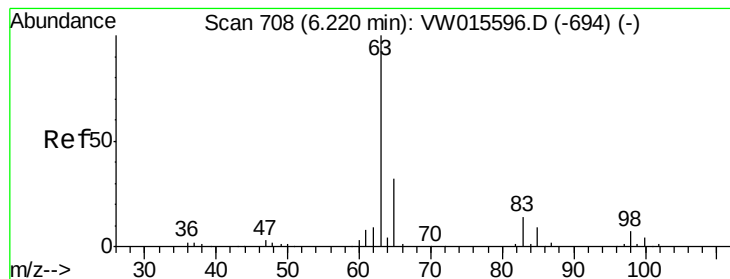
#18

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 :

VSTD02530

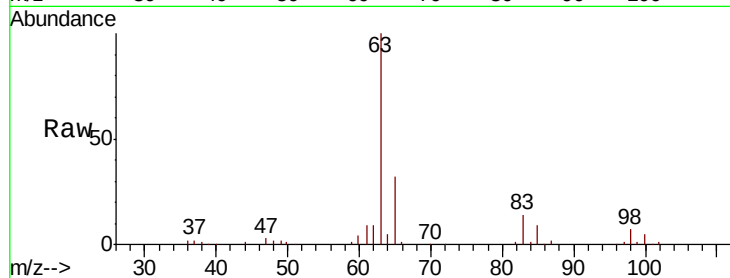
Tot Ion: 63 Resp: 188581

Ion Ratio Lower Upper

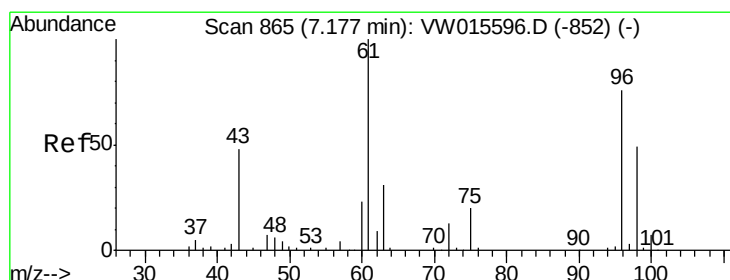
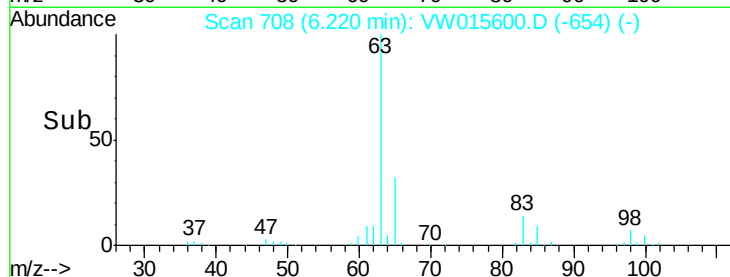
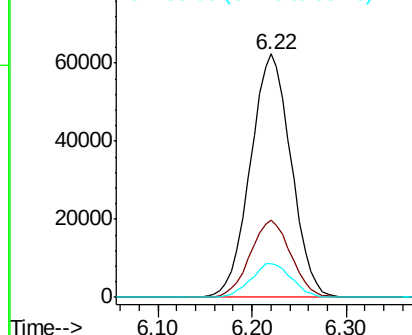
63 100

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

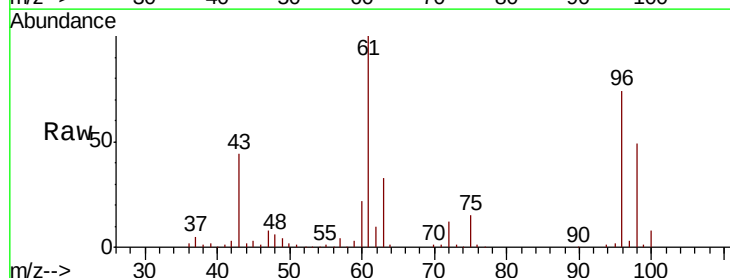
Acq: 12 Jun 2020 12:25

Tgt Ion: 43 Resp: 61731

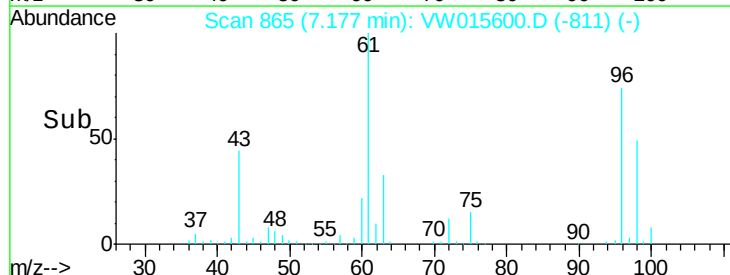
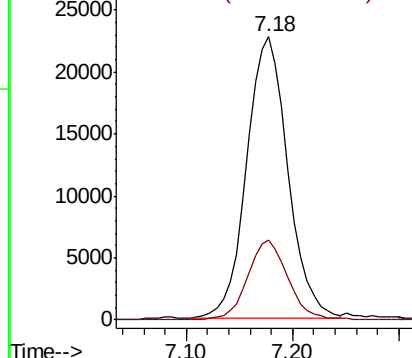
Ion Ratio Lower Upper

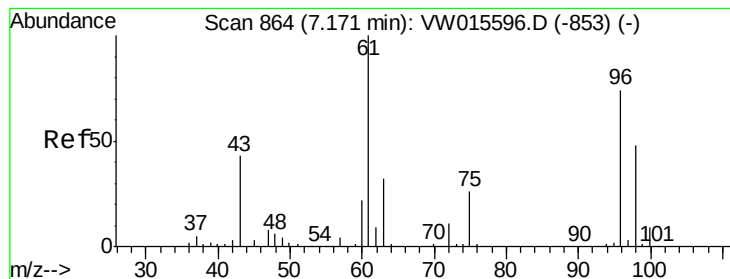
43 100

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



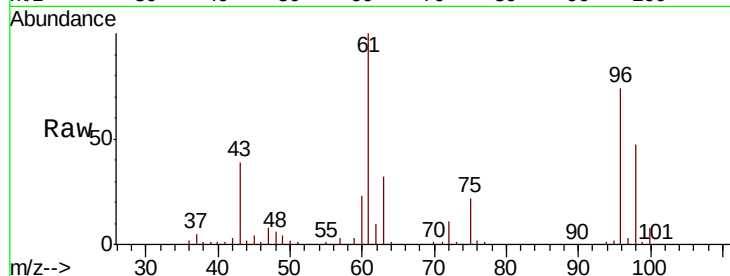


#22

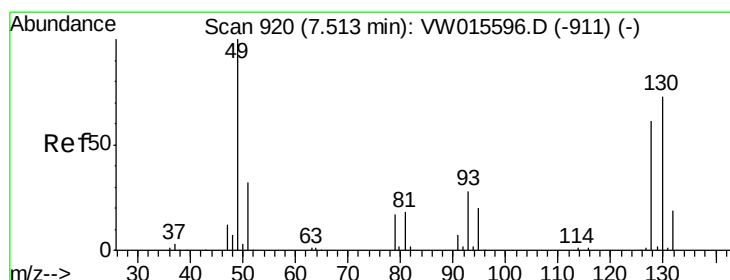
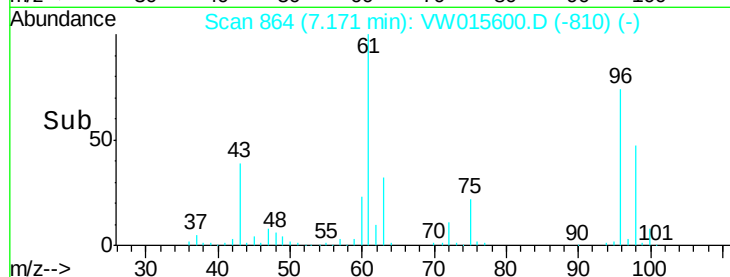
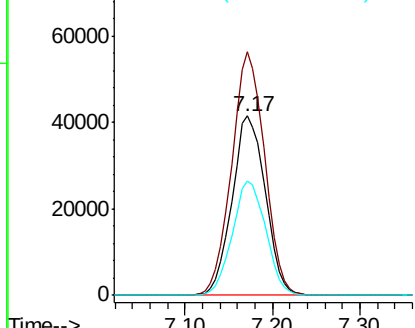
cis-1,2-Dichloroethene
 Concen: 25.423 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

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



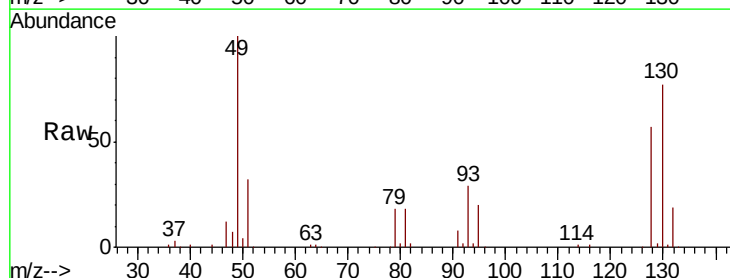
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



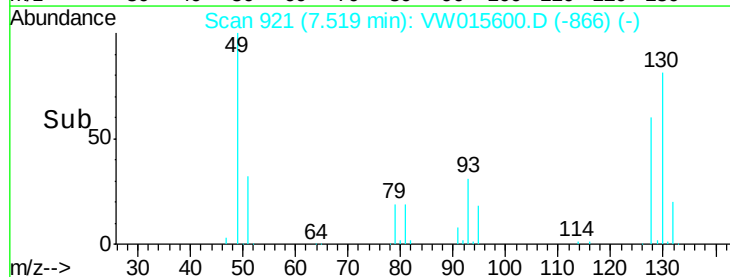
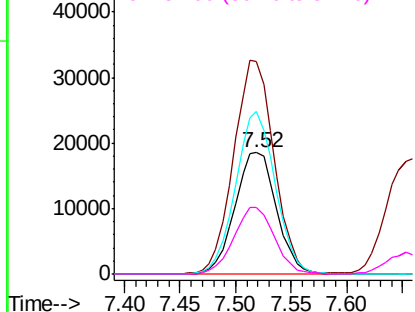
#23

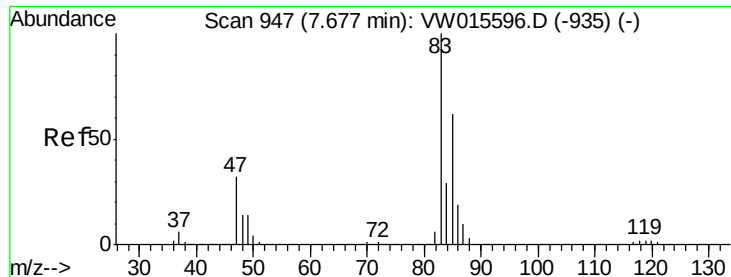
Bromochloromethane
 Concen: 25.704 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

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

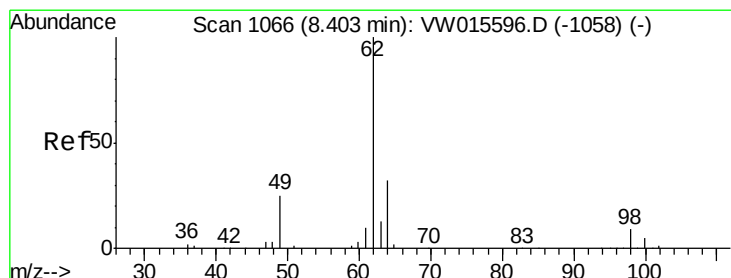
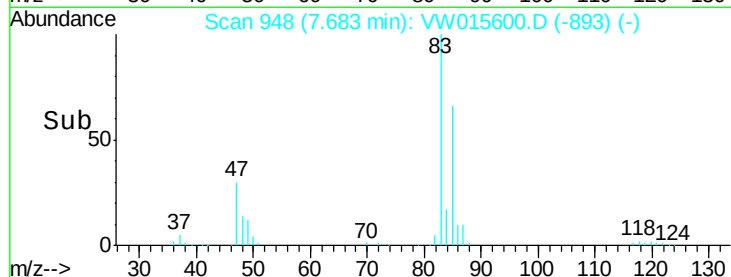
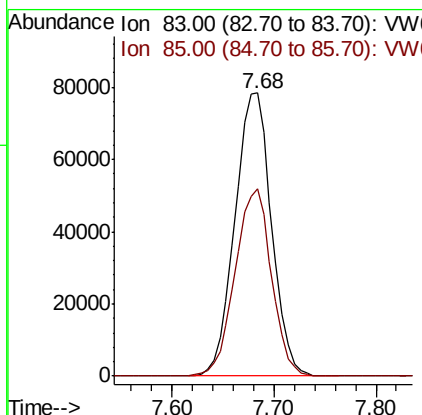
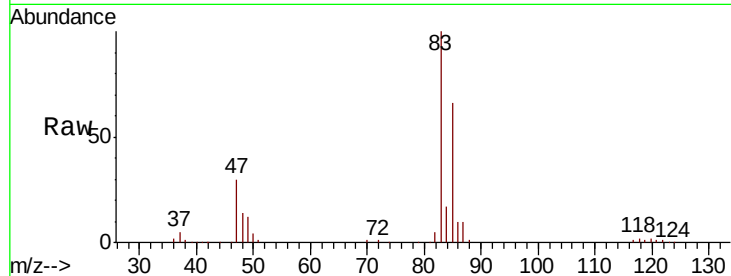




#25
Chloroform
Concen: 25.928 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

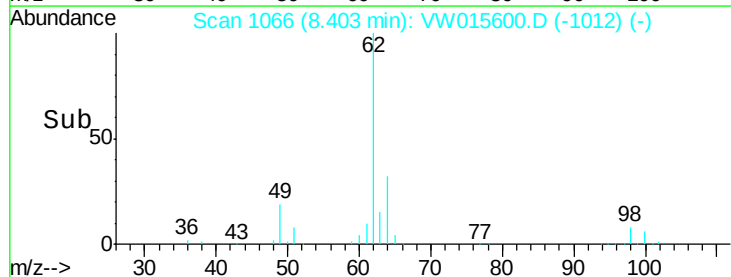
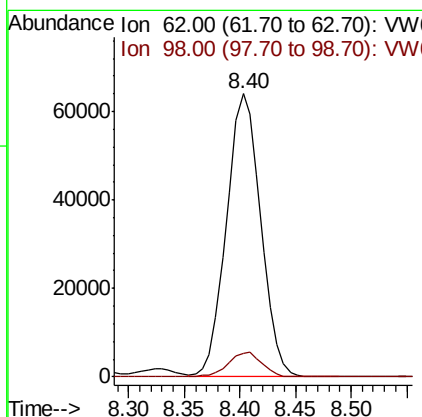
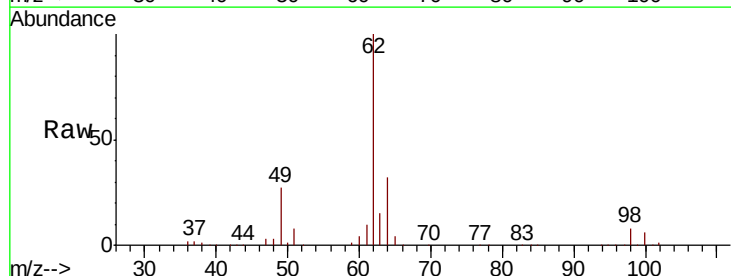
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

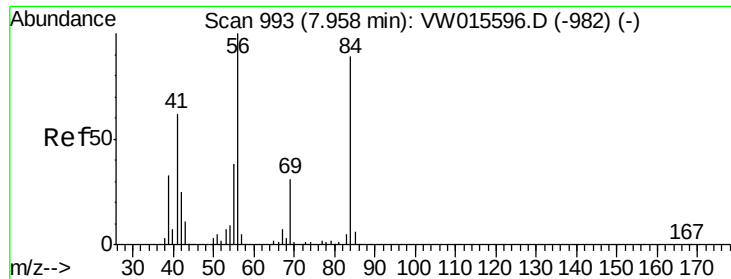
Tot Ion: 83 Resp: 194925
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#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

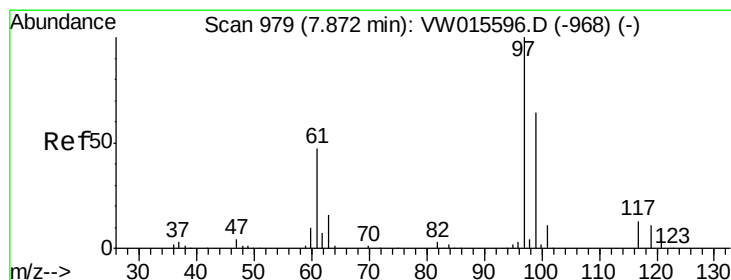
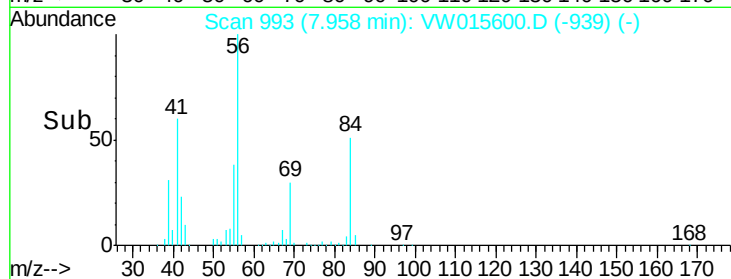
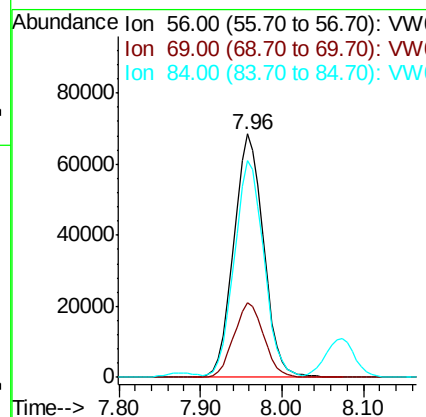
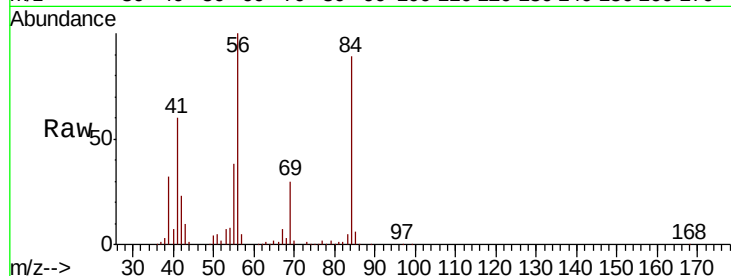




#30
Cyclohexane
Concen: 23.088 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

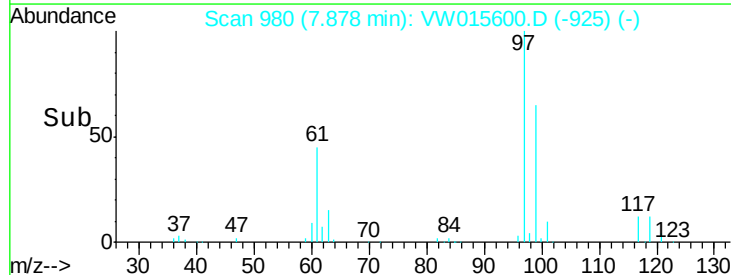
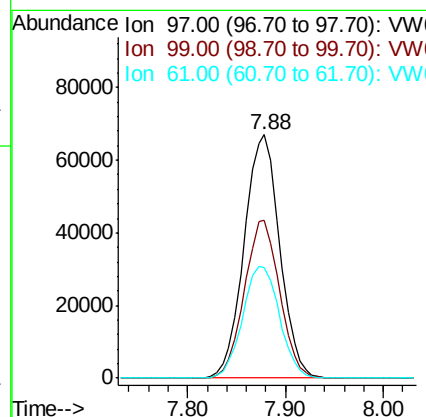
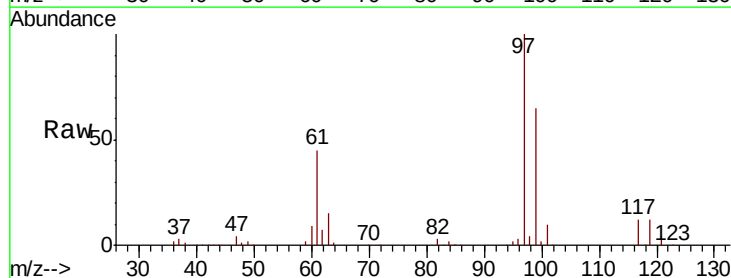
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

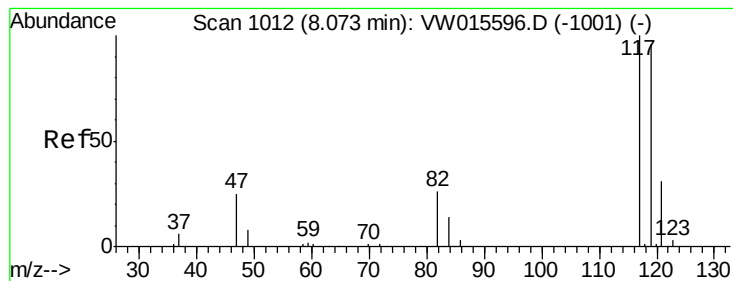
Tot Ion: 56 Resp: 172659
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.5 69.6 104.4



#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 :

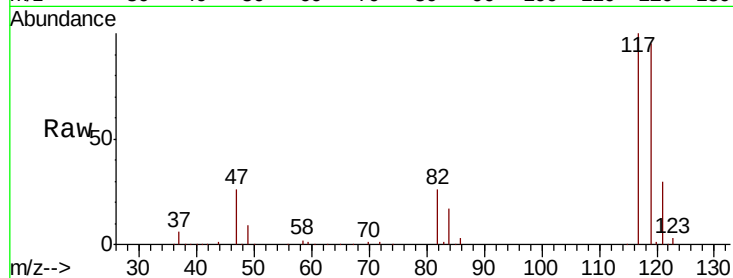
VSTD02530

Tot Ion:117 Resp: 152811

Ion Ratio Lower Upper

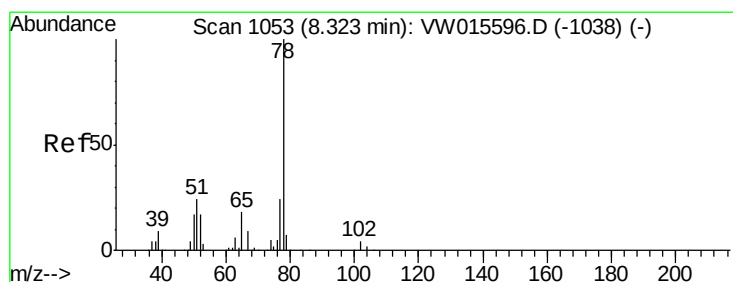
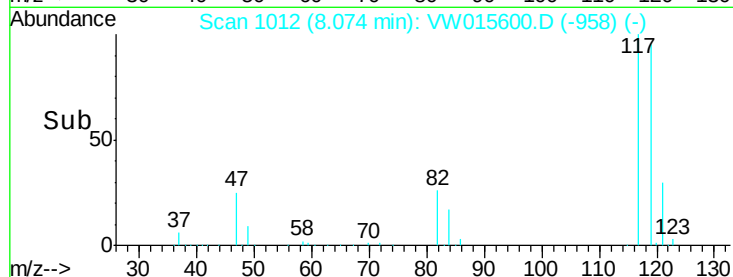
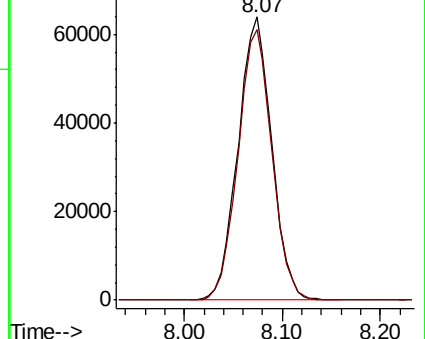
117 100

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

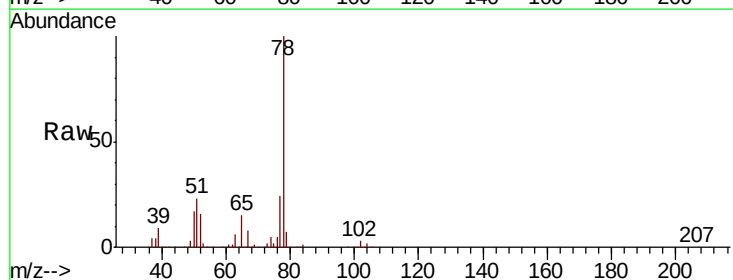
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

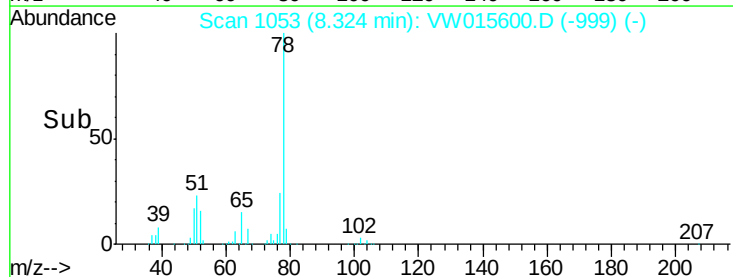
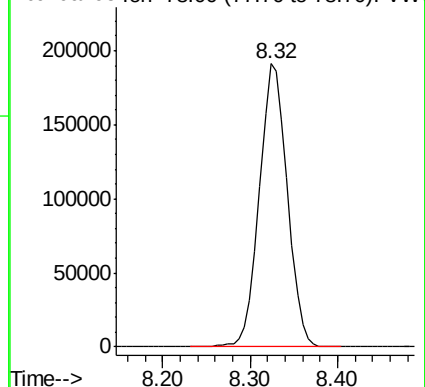
Lab File: VW015600.D

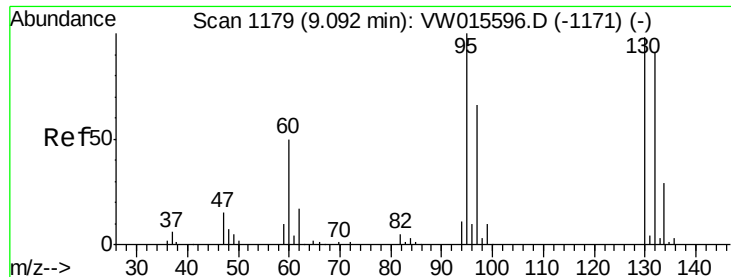
Acq: 12 Jun 2020 12:25

Tgt Ion: 78 Resp: 424557



Abundance Ion 78.00 (77.70 to 78.70): VW

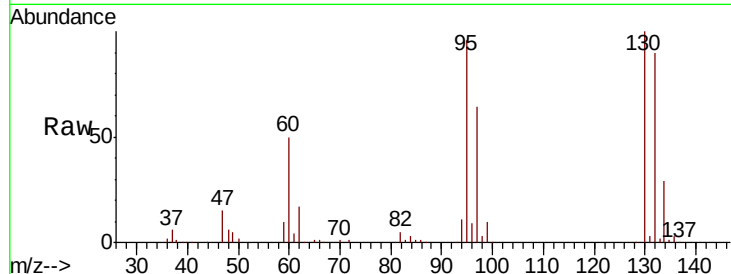




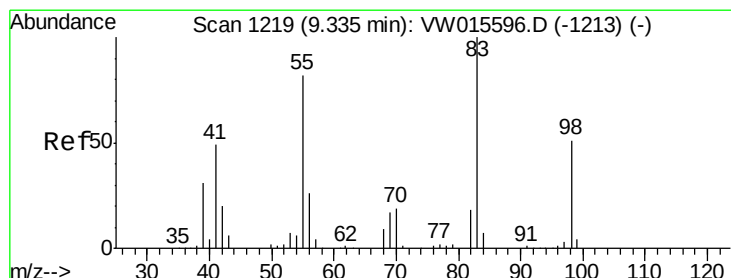
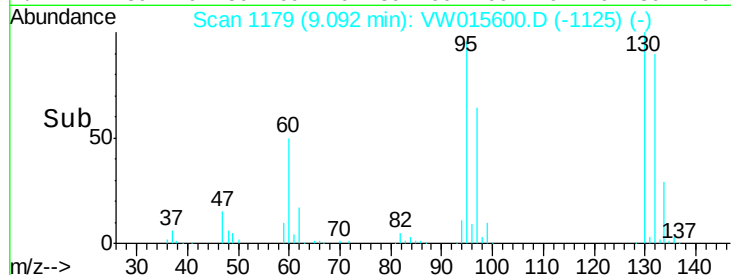
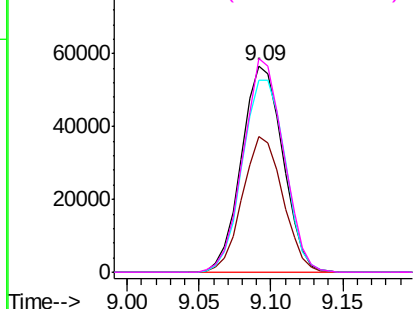
#35
 Trichloroethene
 Concen: 24.847 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

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

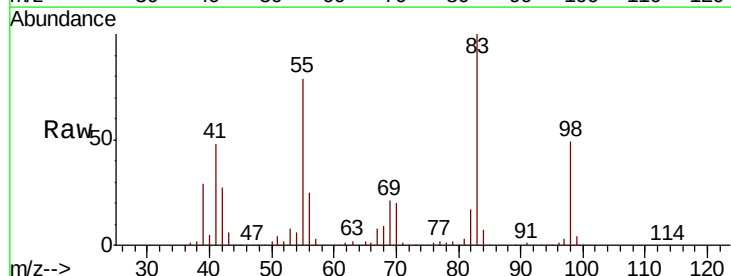


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

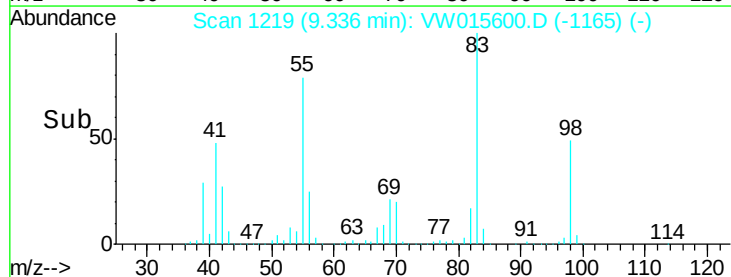
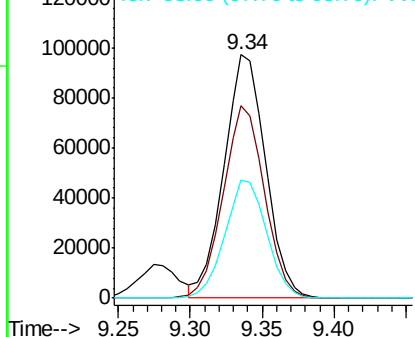


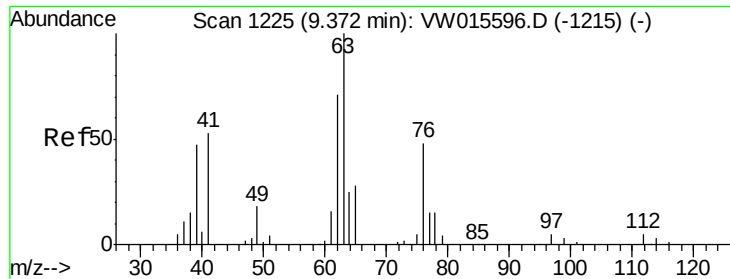
#36
 Methylcyclohexane
 Concen: 24.144 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

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 :

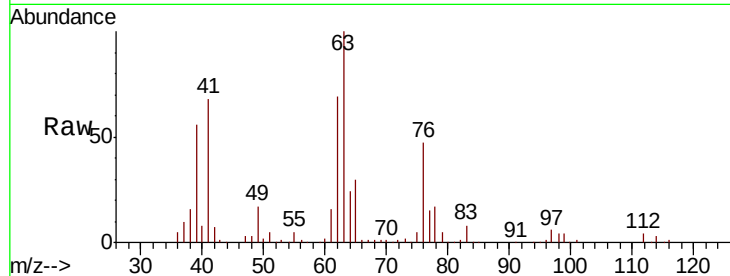
VSTD02530

Tot Ion: 63 Resp: 106649

Ion Ratio Lower Upper

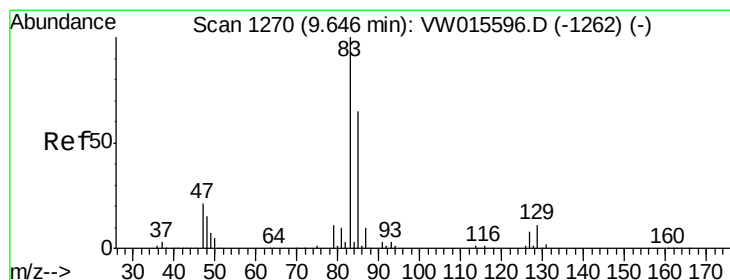
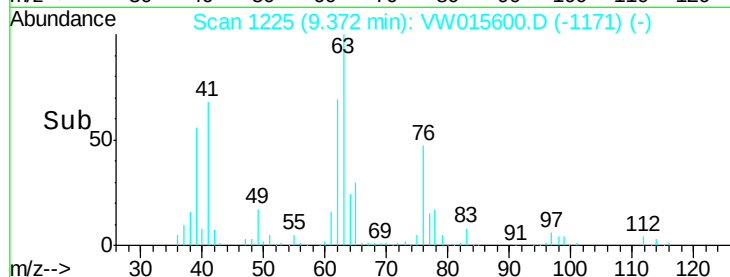
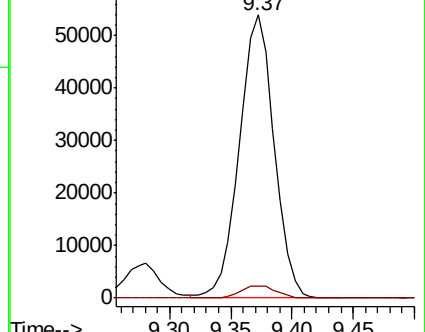
63 100

112 4.6 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#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

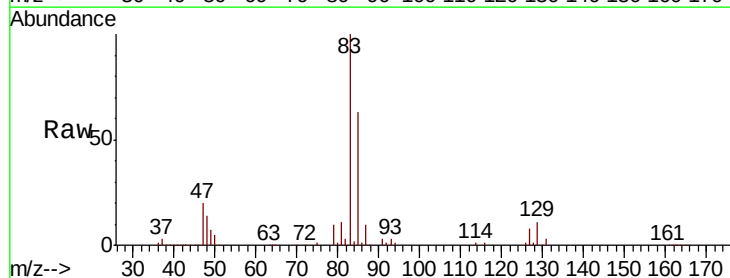
Tgt Ion: 83 Resp: 139698

Ion Ratio Lower Upper

83 100

85 63.1 44.8 83.2

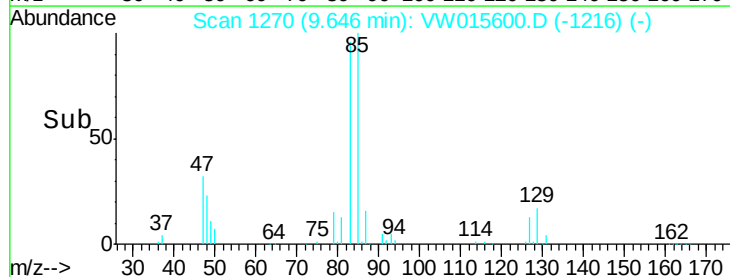
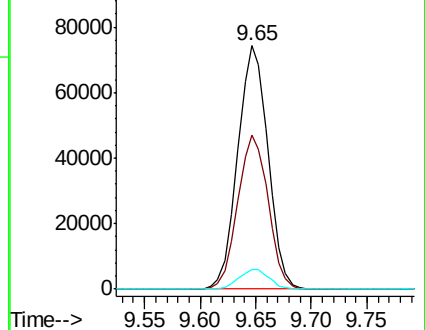
127 7.9 7.0 10.6

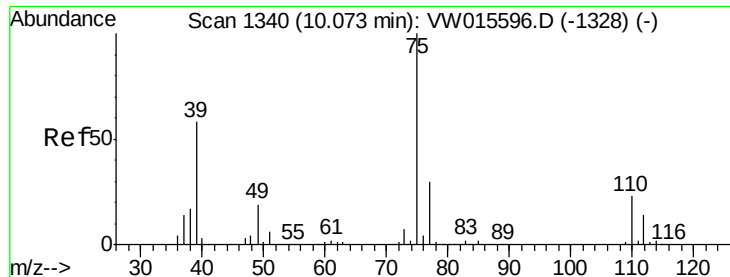


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#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 :

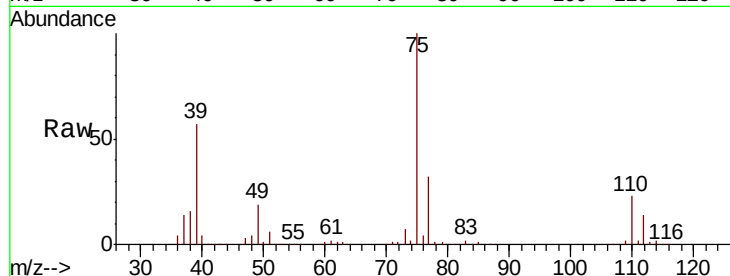
VSTD02530

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

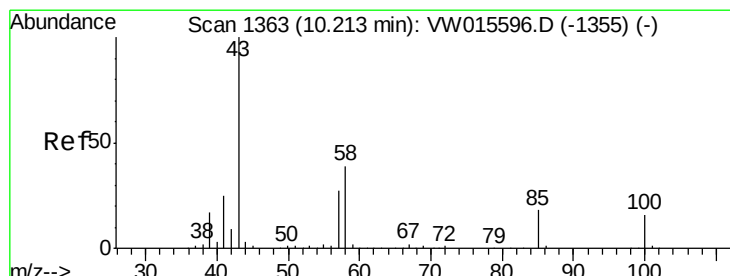
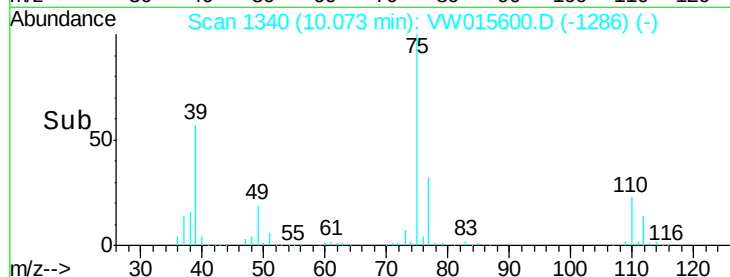
60000

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

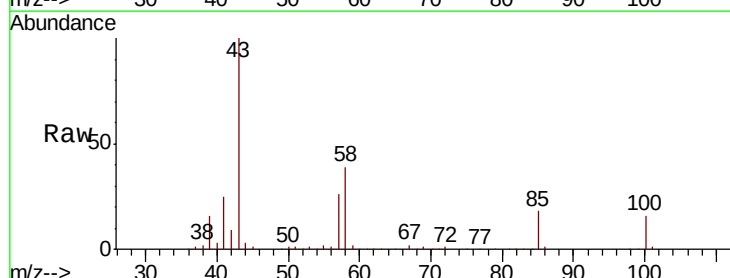
Tgt Ion: 43 Resp: 136697

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

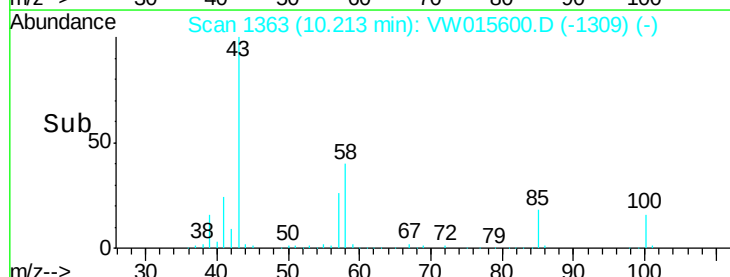
150000

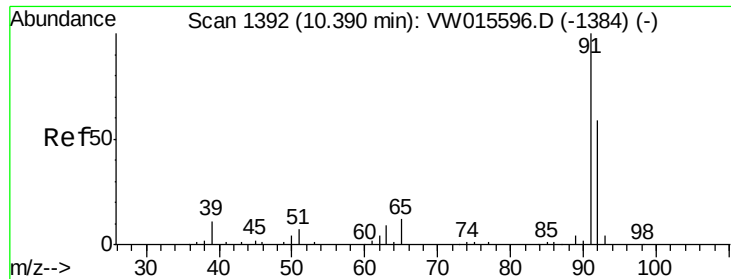
100000

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

ClientSampleId :

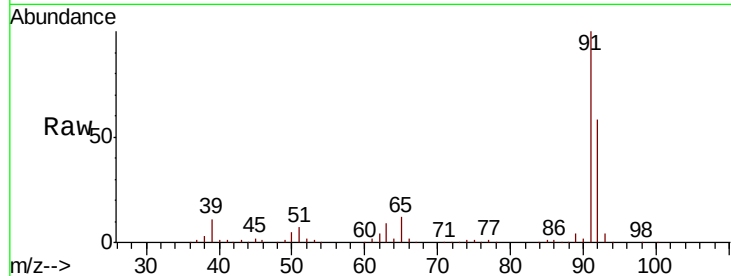
VSTD02530

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

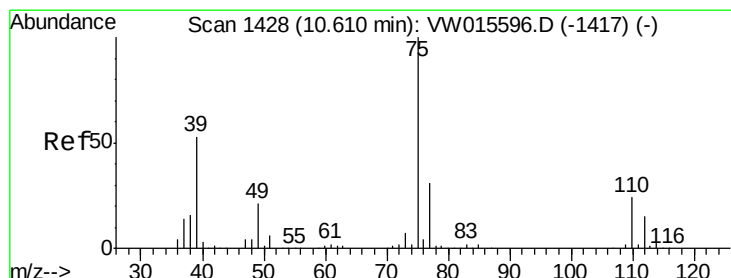
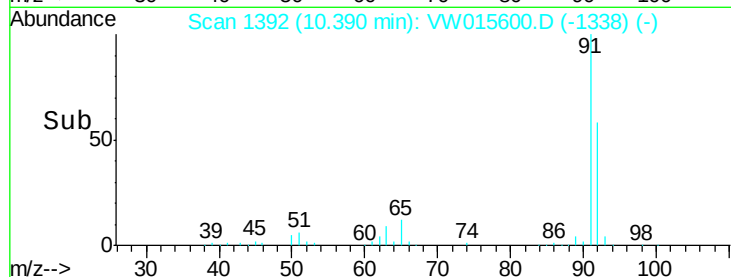
150000

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

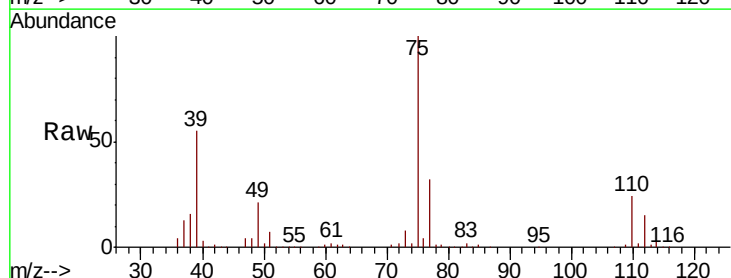
Acq: 12 Jun 2020 12:25

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

100000

80000

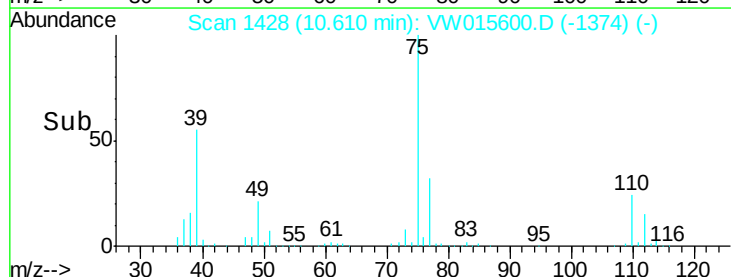
60000

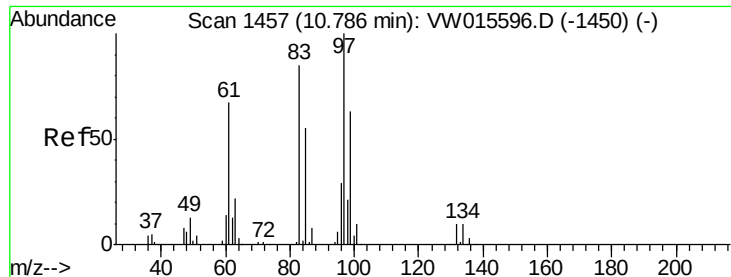
40000

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 :

VSTD02530

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

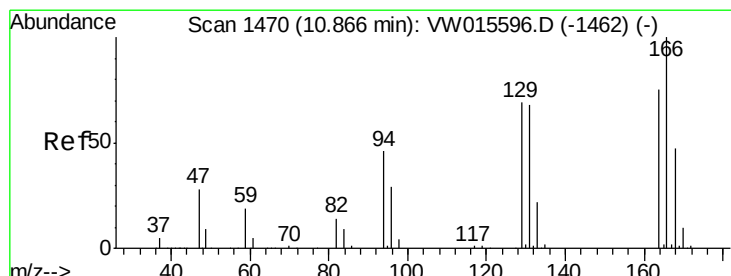
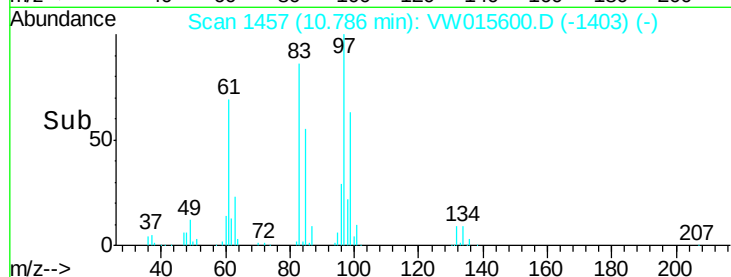
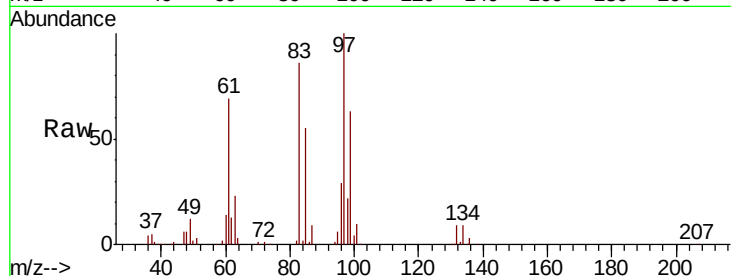
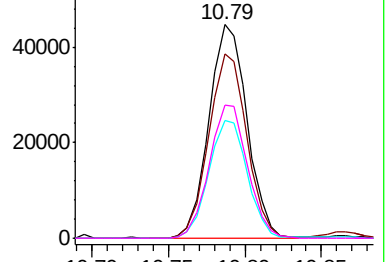
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.412 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

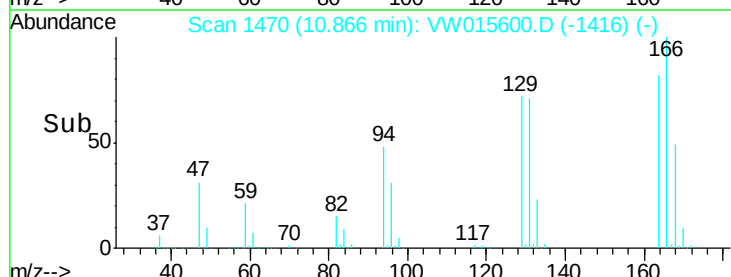
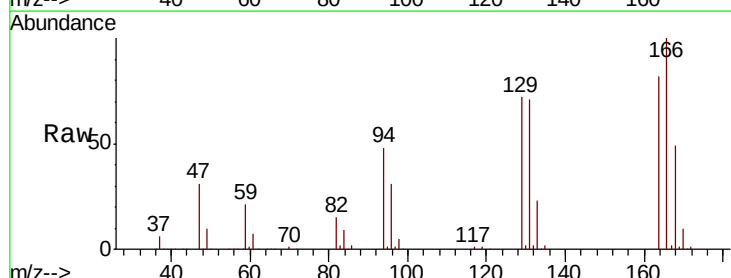
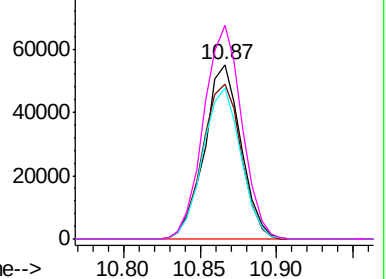
Abundance

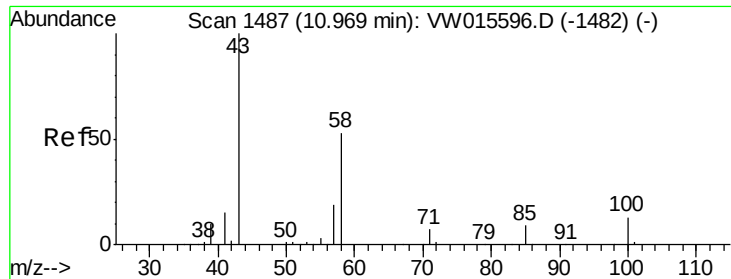
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 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 :

VSTD02530

Tot Ion: 43 Resp: 89916

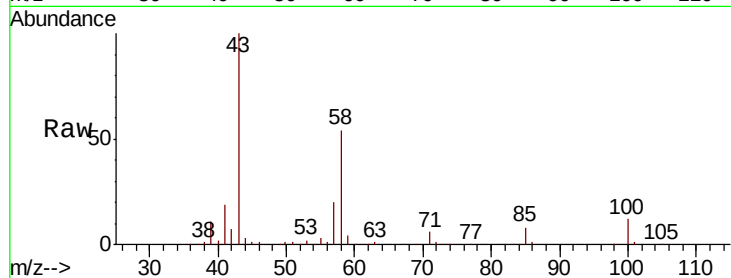
Ion Ratio Lower Upper

43 100

58 53.0 42.6 64.0

57 18.9 15.5 23.3

100 12.6 10.3 15.5

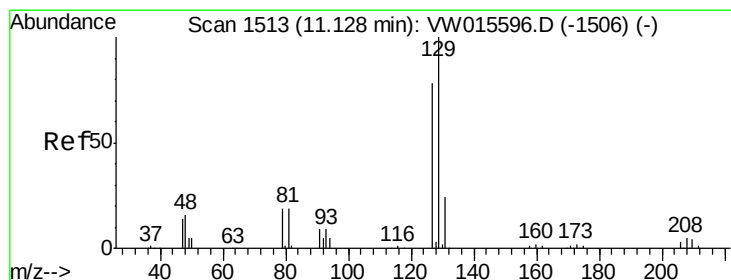
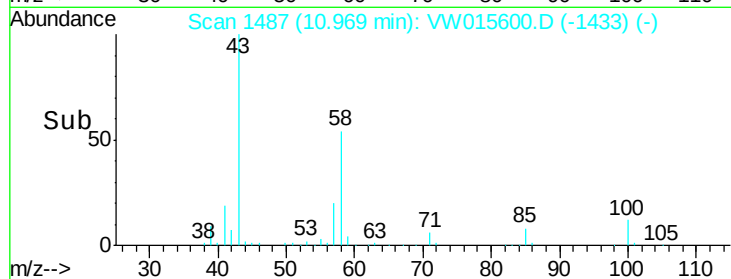
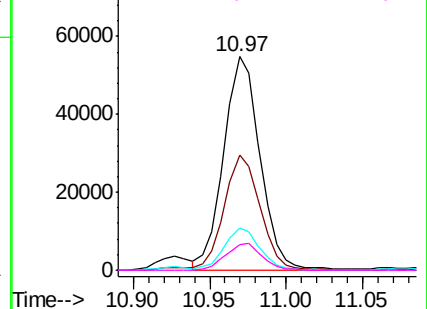


Abundance Ion 43.00 (42.70 to 43.70): VW

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

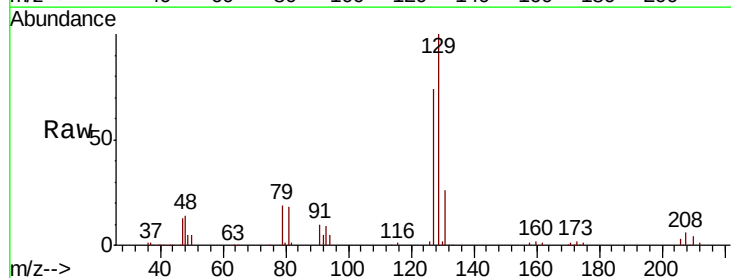
Acq: 12 Jun 2020 12:25

Tgt Ion: 129 Resp: 92576

Ion Ratio Lower Upper

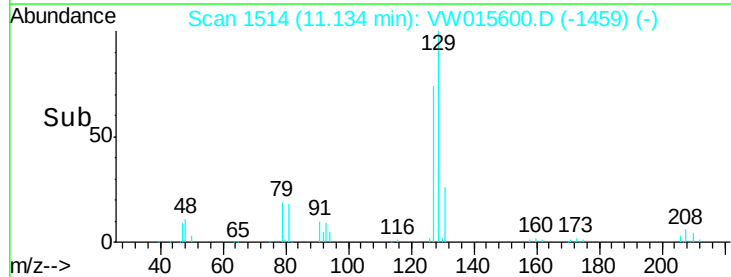
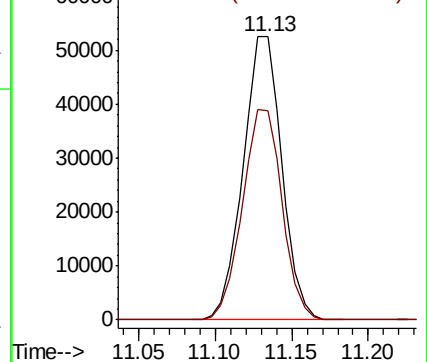
129 100

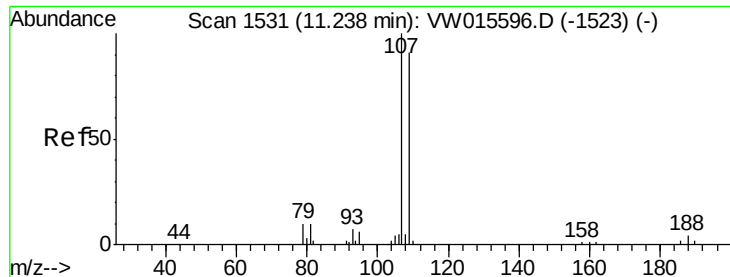
127 74.0 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

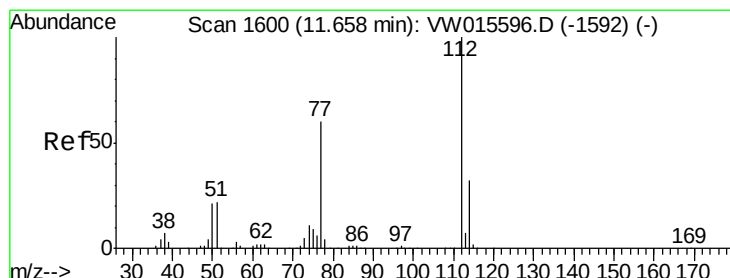
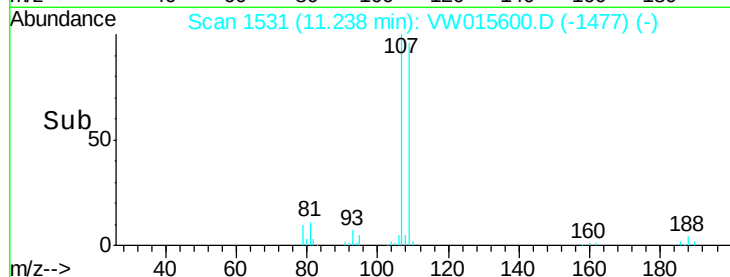
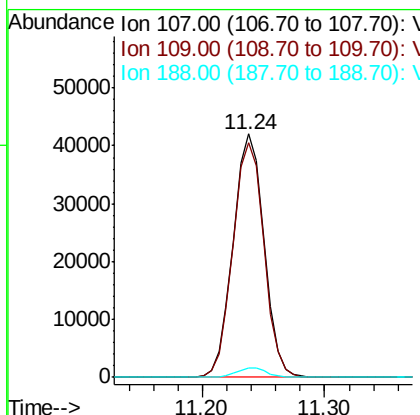
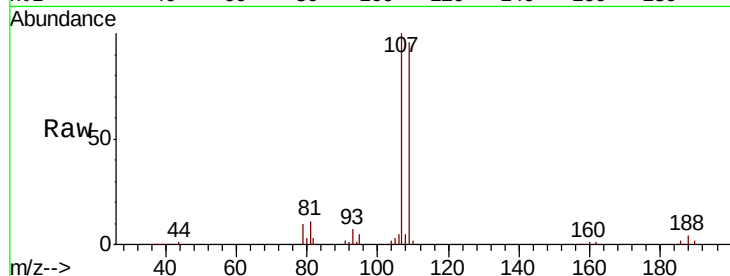




#51
1,2-Dibromoethane
Concen: 26.312 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

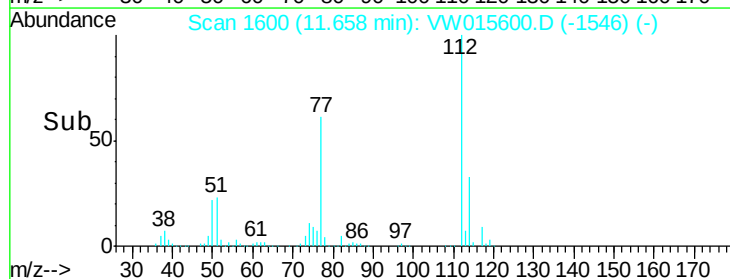
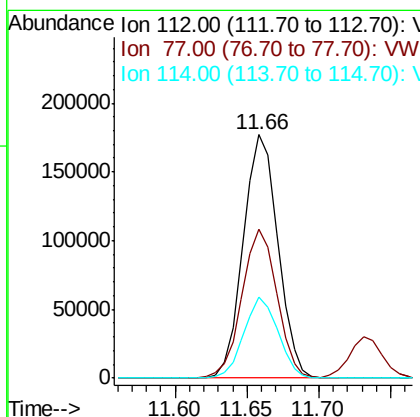
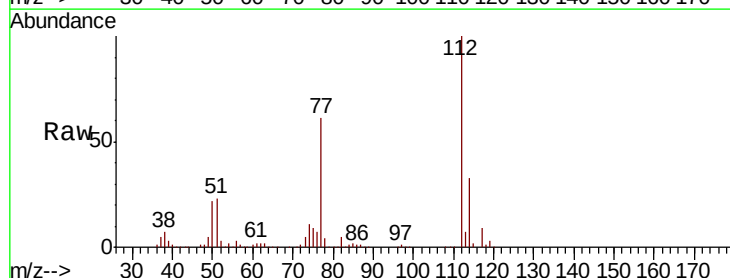
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

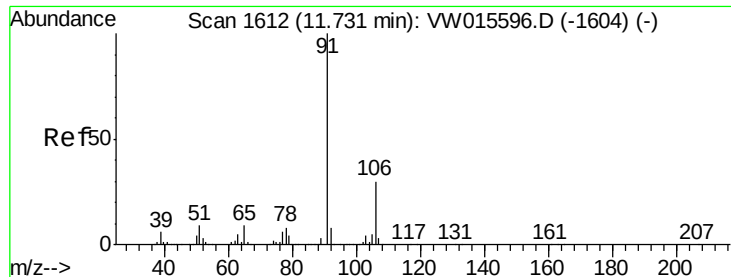
Tot Ion:107 Resp: 73631
Ion Ratio Lower Upper
107 100
109 96.3 64.6 120.0
188 3.7 2.8 4.2



#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

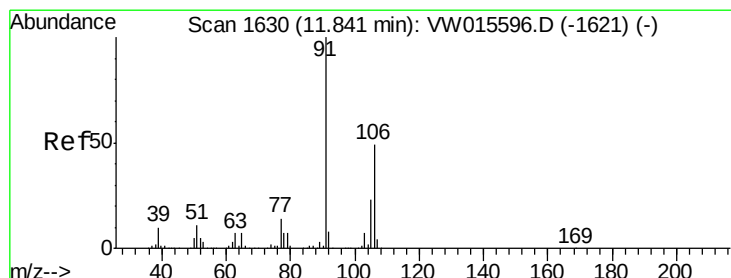
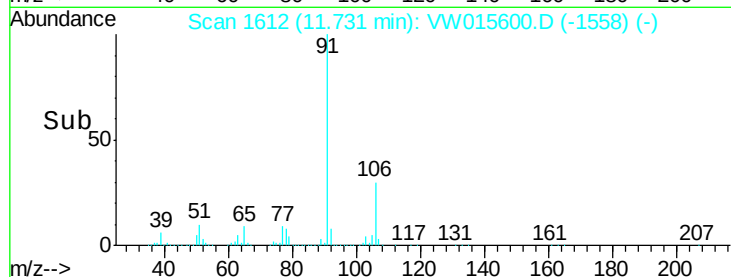
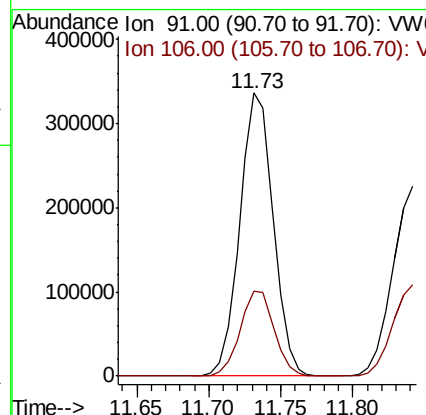
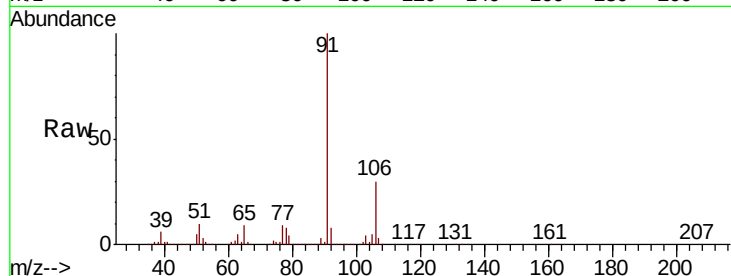




#53
Ethylbenzene
Concen: 25.628 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

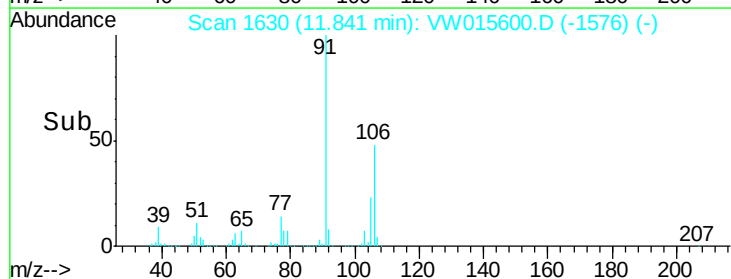
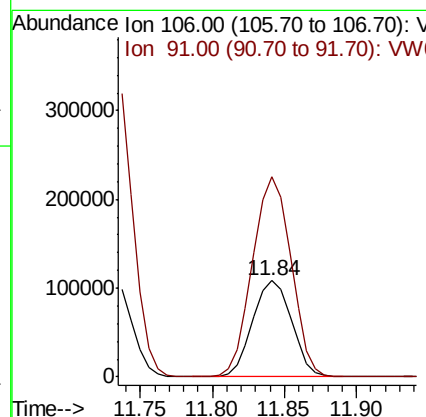
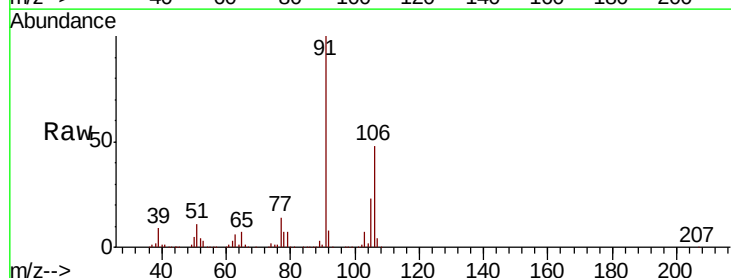
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

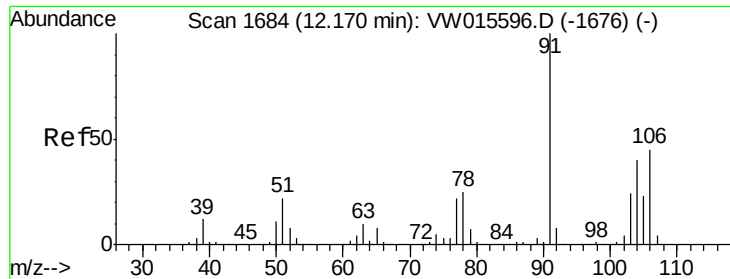
Tot Ion: 91 Resp: 542441
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#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

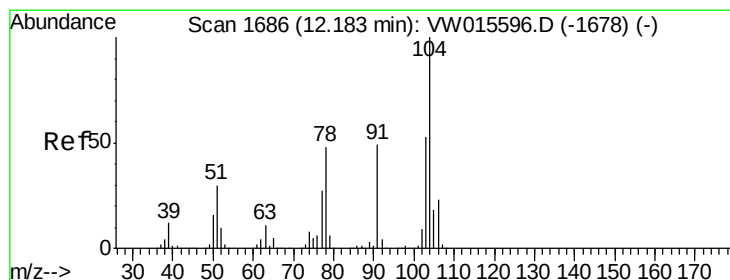
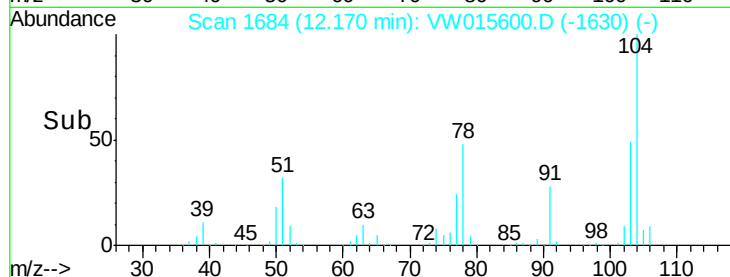
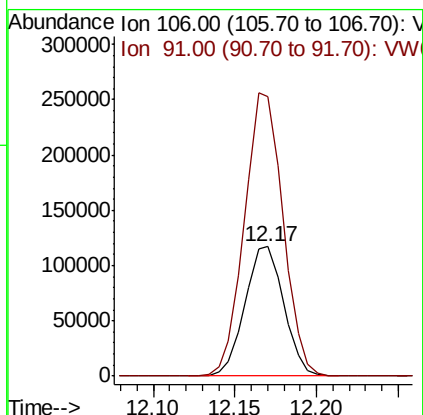
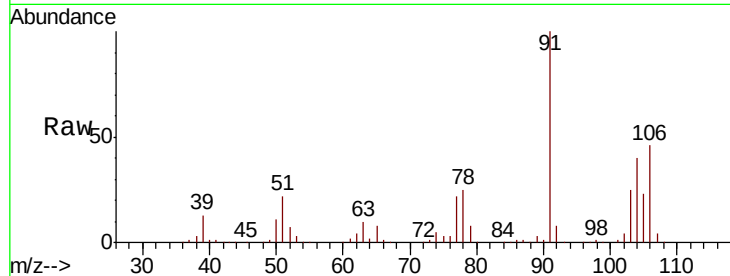




#55
o-xylene
Concen: 25.804 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015600.D
Acq: 12 Jun 2020 12:25

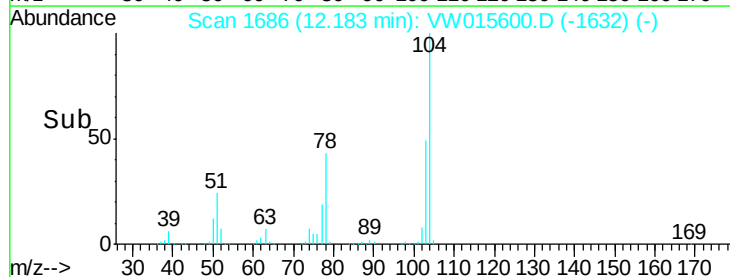
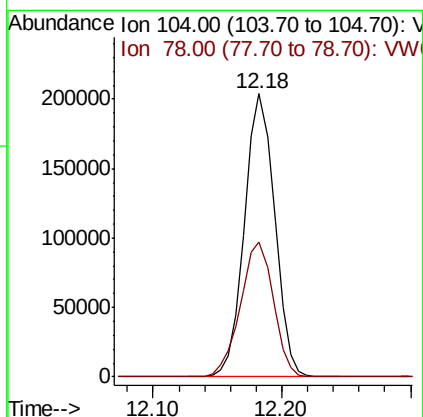
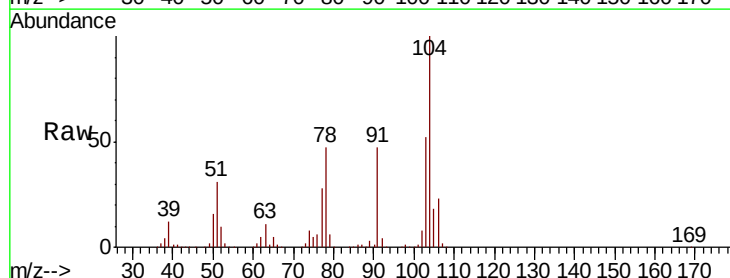
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

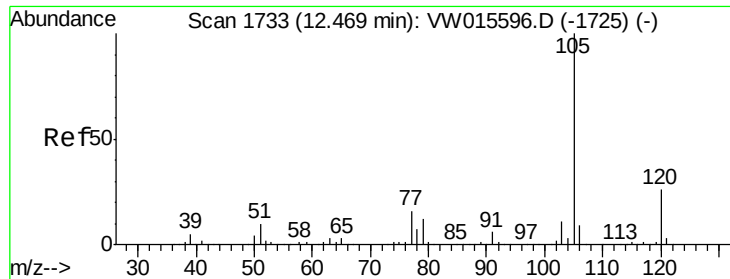
Tot Ion:106 Resp: 194533
Ion Ratio Lower Upper
106 100
91 216.1 149.0 276.6



#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





#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 :

VSTD02530

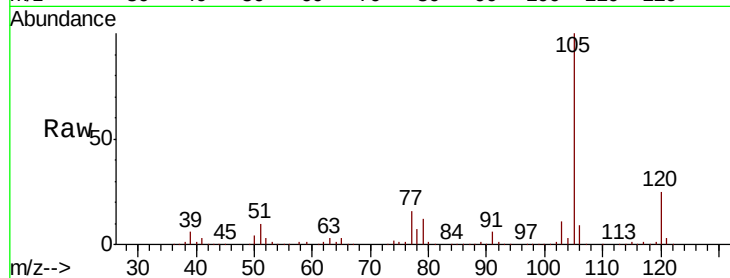
Tot Ion:105 Resp: 545738

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

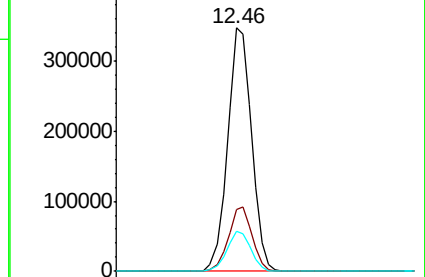
77 16.3 13.0 19.6



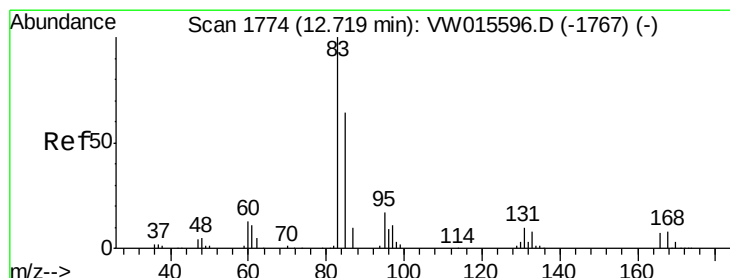
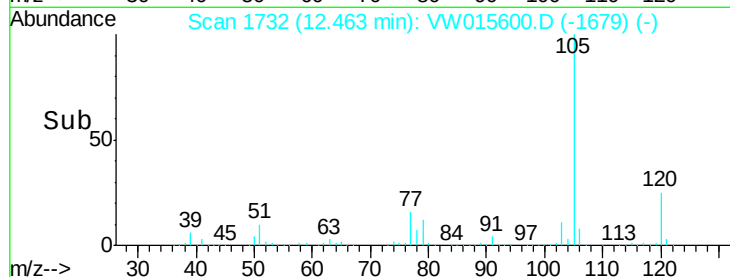
Abundance Ion 105.00 (104.70 to 105.70): V

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

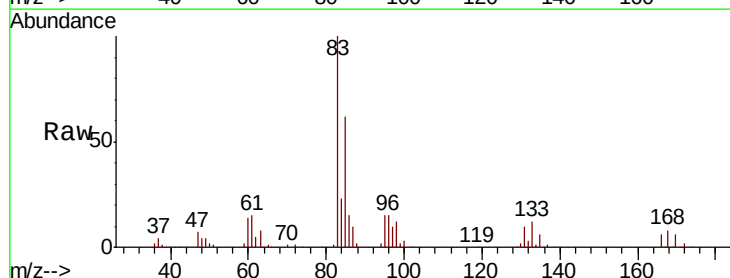
Tgt Ion: 83 Resp: 94080

Ion Ratio Lower Upper

83 100

85 61.7 44.7 82.9

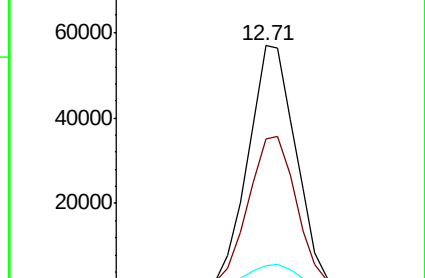
131 9.6 9.1 13.7



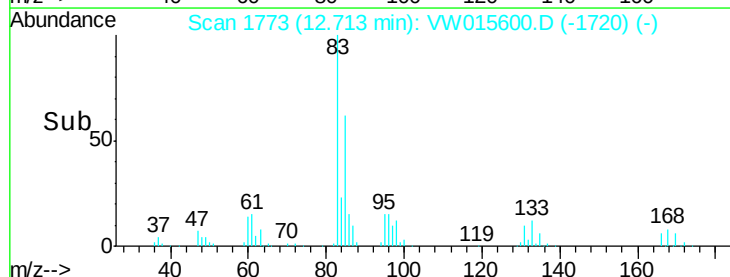
Abundance Ion 83.00 (82.70 to 83.70): VW

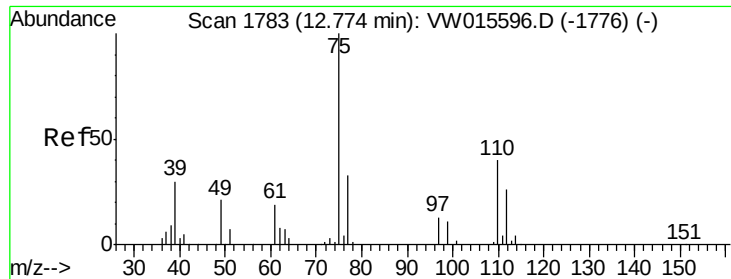
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->

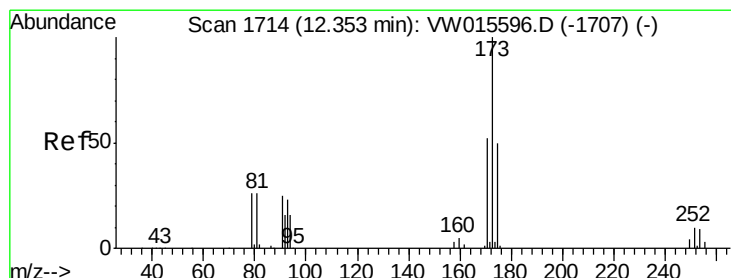
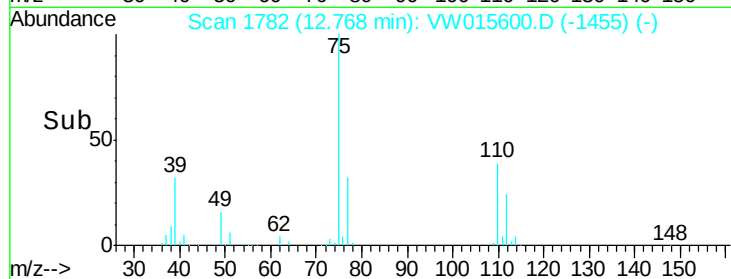
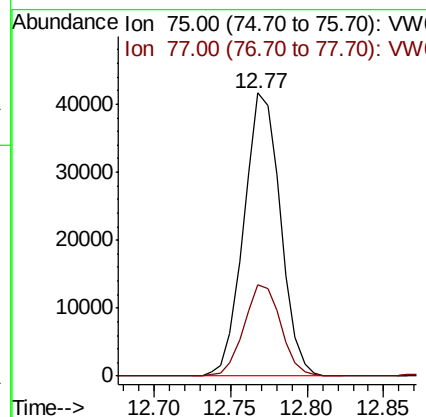
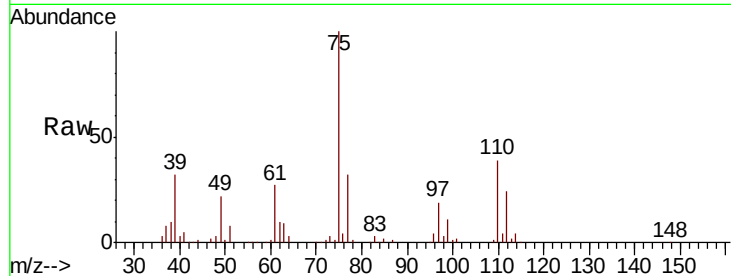




#59
 1,2,3-Trichloropropane
 Concen: 27.043 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

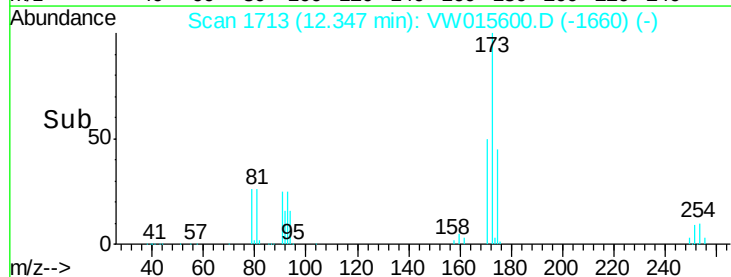
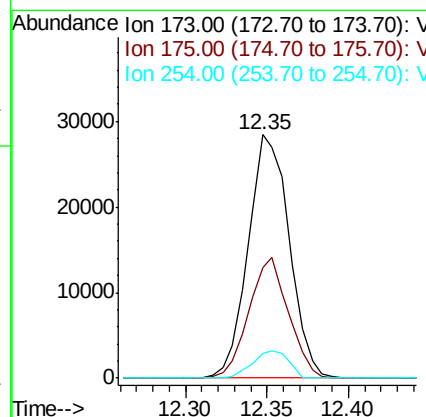
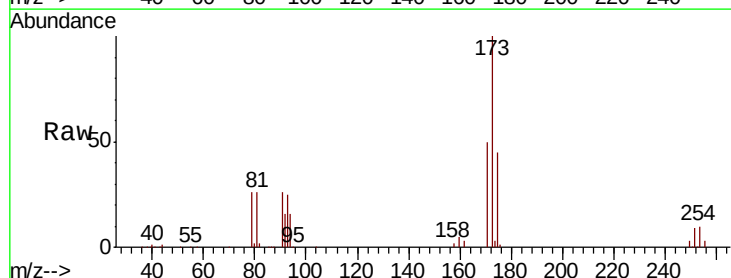
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

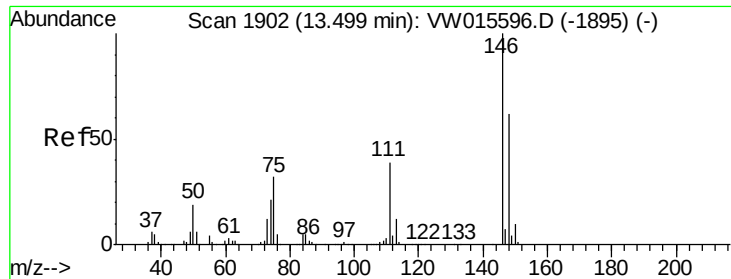
Tot Ion: 75 Resp: 69197
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#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

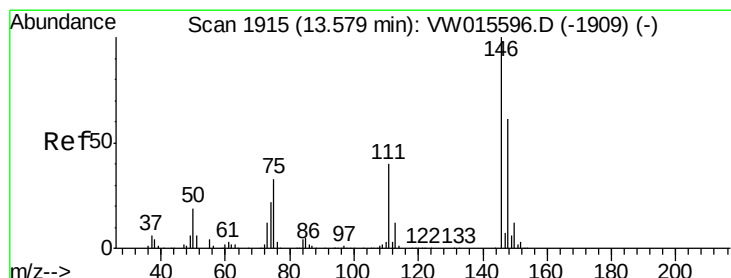
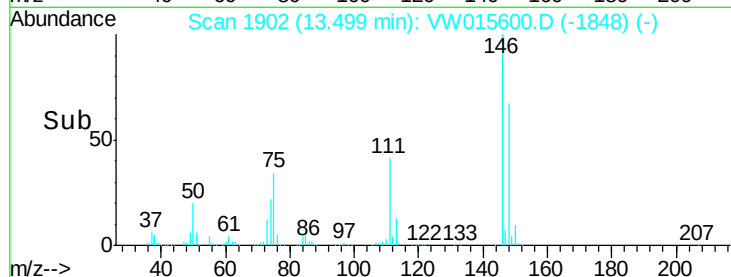
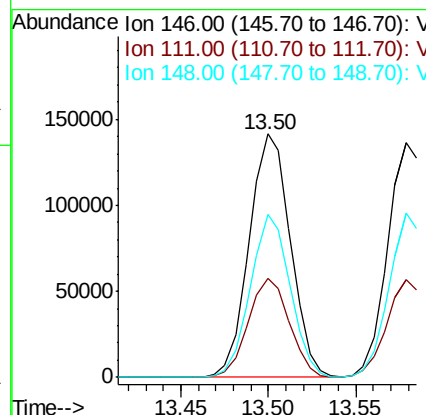
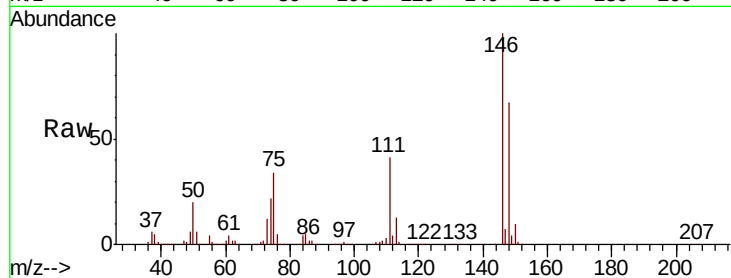




#63
 1,3-Dichlorobenzene
 Concen: 25.529 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

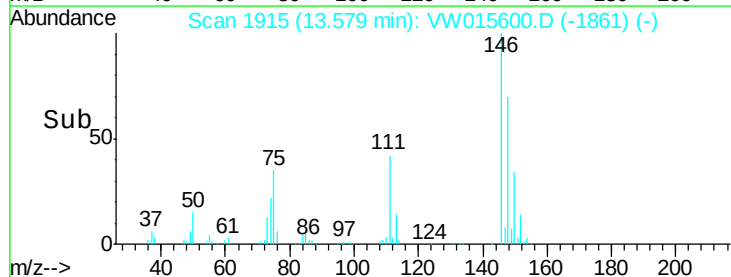
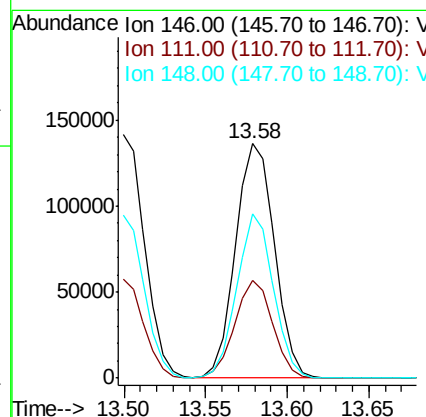
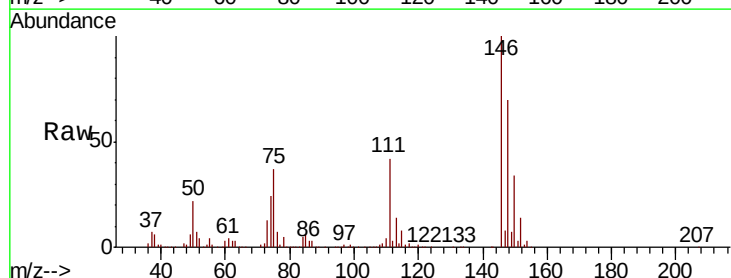
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

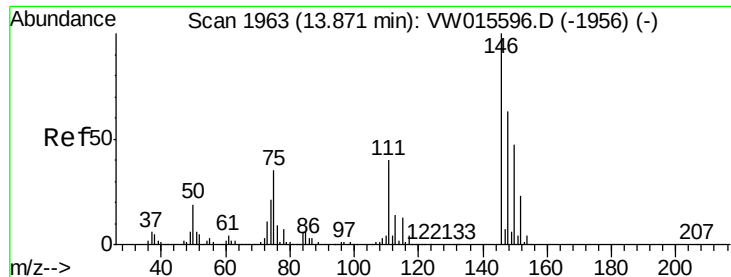
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	29.3	54.5
148	67.2	42.5	78.9



#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	Ratio	Lower	Upper
146	100		
111	41.8	28.1	52.1
148	69.9	43.3	80.3

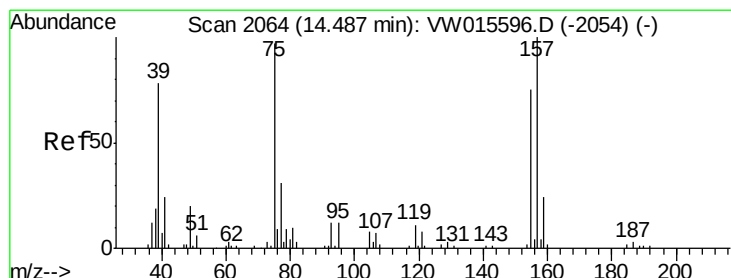
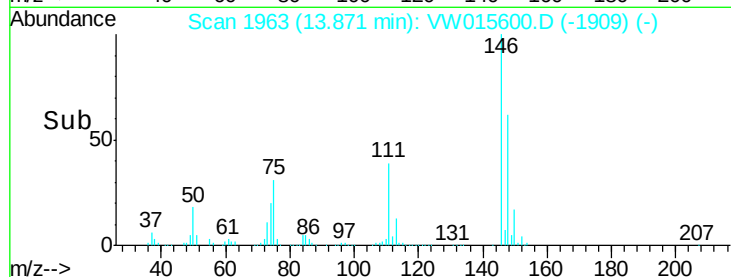
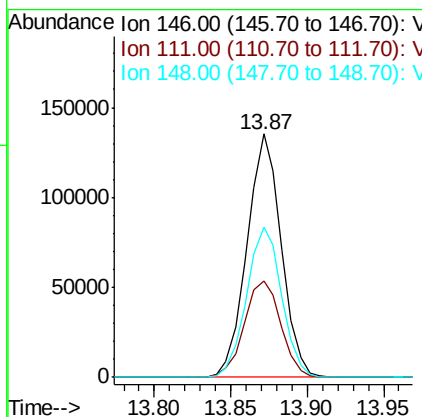
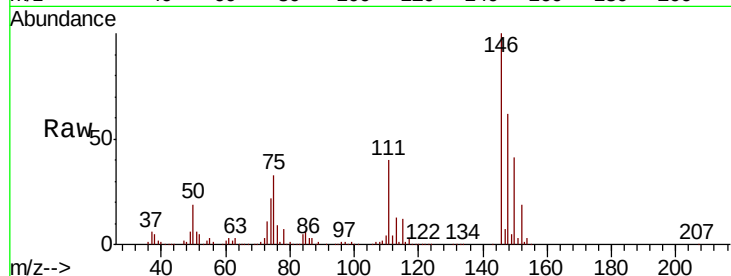




#65
 1,2-Dichlorobenzene
 Concen: 26.635 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

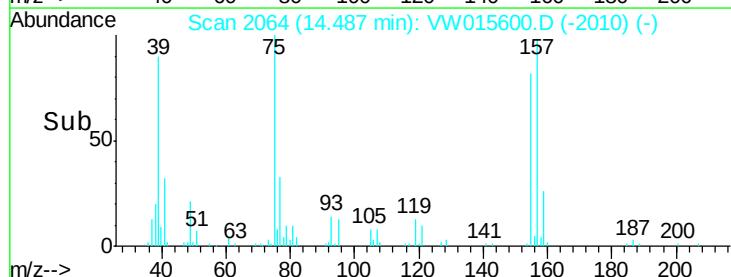
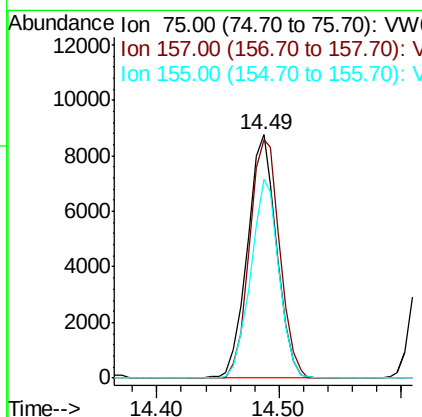
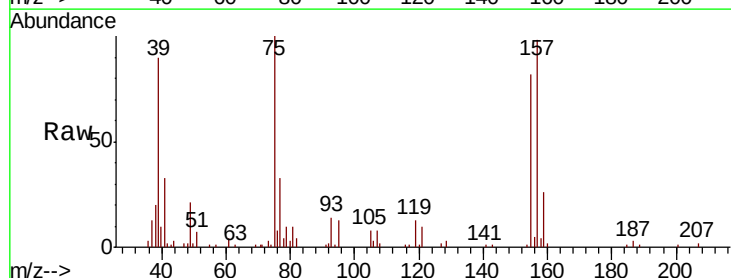
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

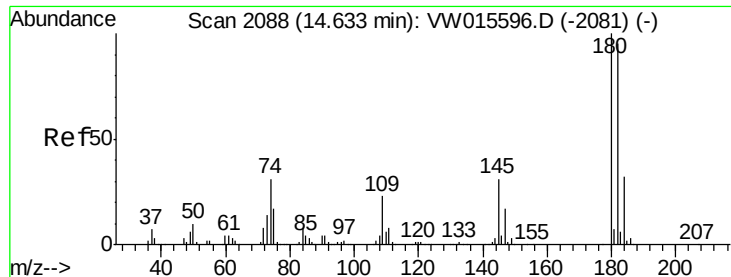
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	34.9	52.3
148	61.6	51.8	77.8



#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	Ratio	Lower	Upper
75	100		
157	98.0	87.4	131.0
155	81.6	64.6	96.8

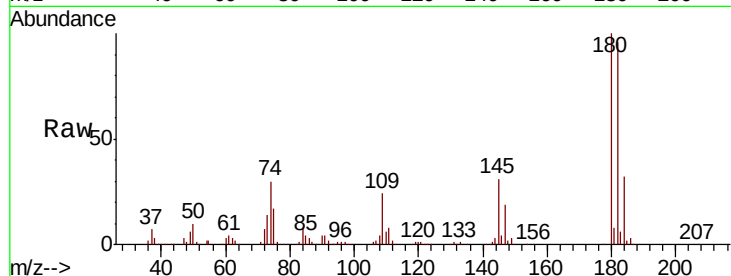




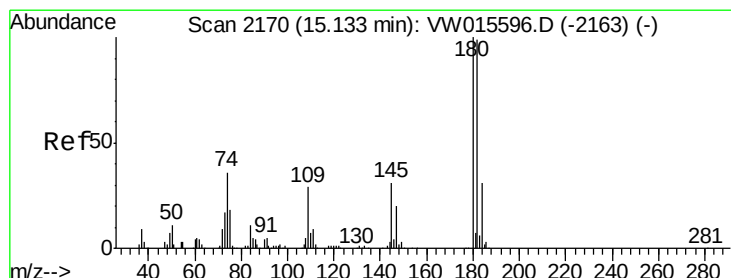
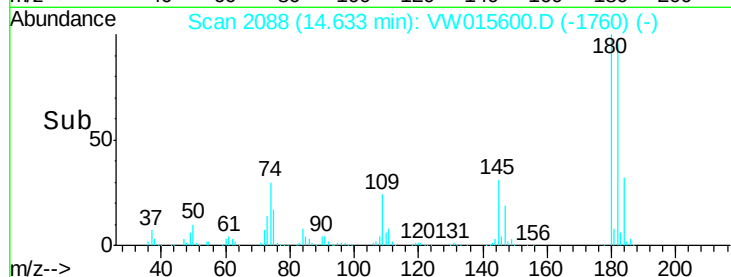
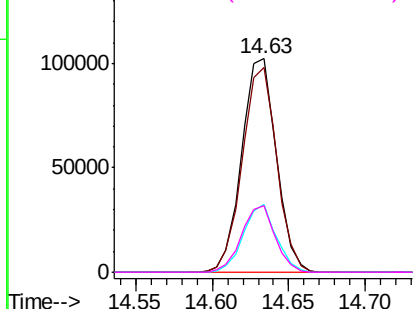
#67
 1,3,5-Trichlorobenzene
 Concen: 25.625 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

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

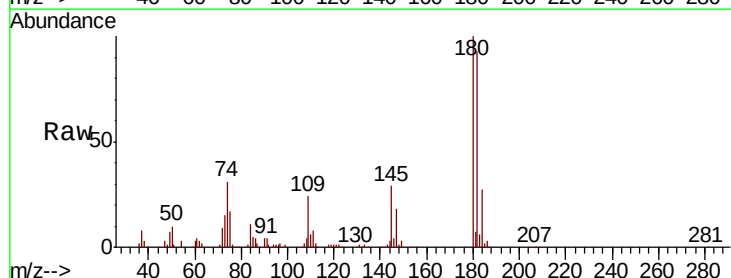


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

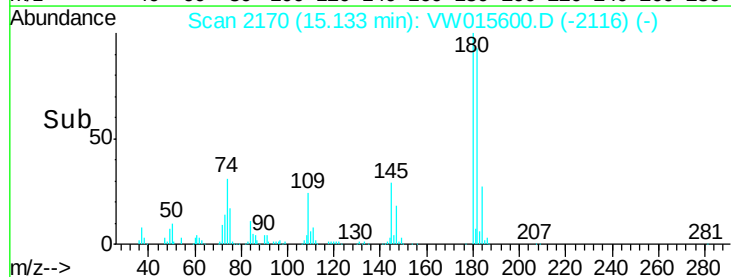
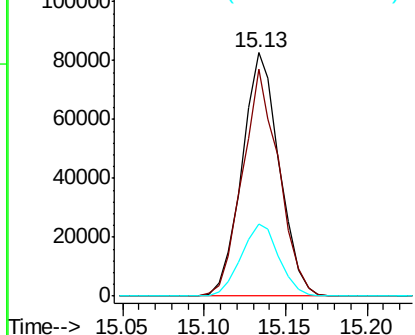


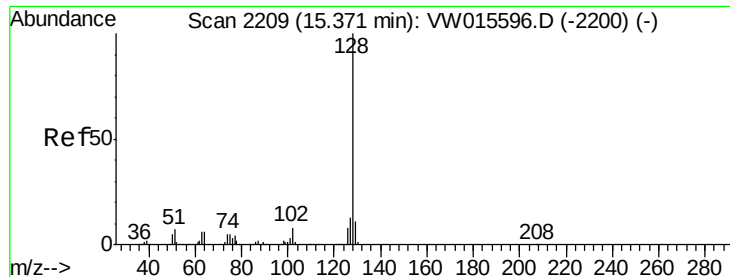
#68
 1,2,4-trichlorobenzene
 Concen: 25.950 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015600.D
 Acq: 12 Jun 2020 12:25

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 :

VSTD02530

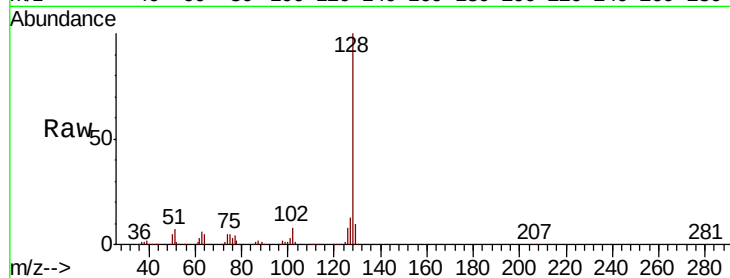
Tot Ion:128 Resp: 239198

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

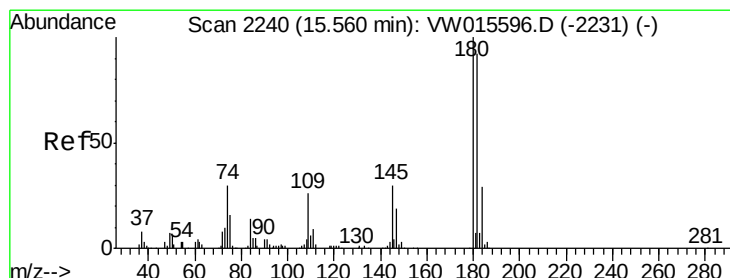
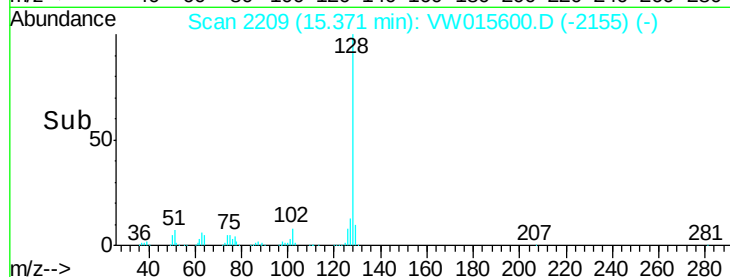
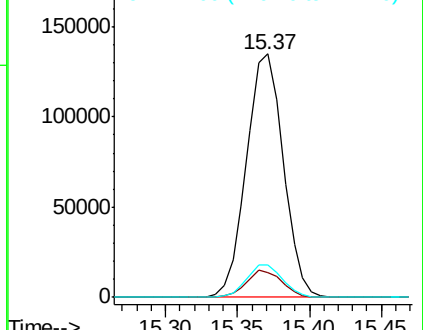
127 13.1 10.6 15.8



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

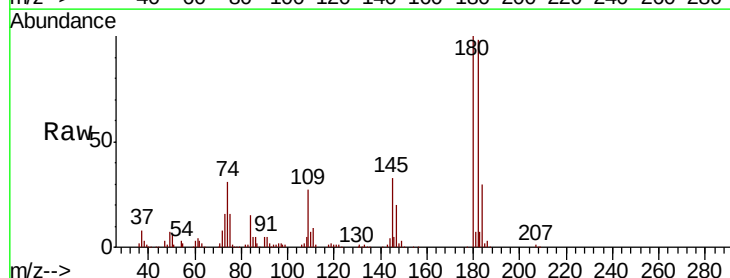
Tgt Ion:180 Resp: 111179

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

