

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\
 Data File : VW015596.D
 Acq On : 12 Jun 2020 09:53
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Jun 13 01:32:57 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	328465	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303045	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	151767	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	70775	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.90	69	82198	27.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.84%
10) 1,1-Dichloroethene-d2	4.02	63	172716	23.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.20%
20) 2-Butanone-d5	7.09	46	61631	62.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.42%
24) Chloroform-d	7.65	84	202908	26.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	8.31	65	116589	27.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.36%
29) Benzene-d6	8.27	84	383072	25.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.12%
33) 1,2-Dichloropropane-d6	9.27	67	117515	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.08%
37) Toluene-d8	10.32	98	366411	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.44%
38) trans-1,3-Dichloropropene-	10.58	79	49918	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.56%
39) 2-Hexanone-d5	10.93	63	49957	63.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102527	30.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	129457	25.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	59791	20.605	ug/L 99
3) Chloromethane	2.21	50	63029	19.731	ug/L 97
5) Vinyl chloride	2.37	62	104832	21.822	ug/L 97
6) Bromomethane	2.79	94	67142	21.504	ug/L 100
8) Chloroethane	2.93	64	65068	22.251	ug/L 100
9) Trichlorofluoromethane	3.26	101	79131	23.147	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	89023	21.956	ug/L 99
12) 1,1-Dichloroethene	4.04	96	83096	21.217	ug/L 96
13) Acetone	4.13	43	47677	62.755	ug/L 99
14) Carbon disulfide	4.39	76	248150	18.992	ug/L 100
15) Methyl Acetate	4.68	43	40654	24.734	ug/L 100
16) Methylene chloride	4.92	84	91073	22.592	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	137110	22.060	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	89166	21.243	ug/L 99
19) 1,1-Dichloroethane	6.22	63	163423	21.646	ug/L 99
21) 2-Butanone	7.18	43	61300	52.524	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	95635	21.841	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\
 Data File : VW015596.D
 Acq On : 12 Jun 2020 09:53
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Jun 13 01:32:57 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

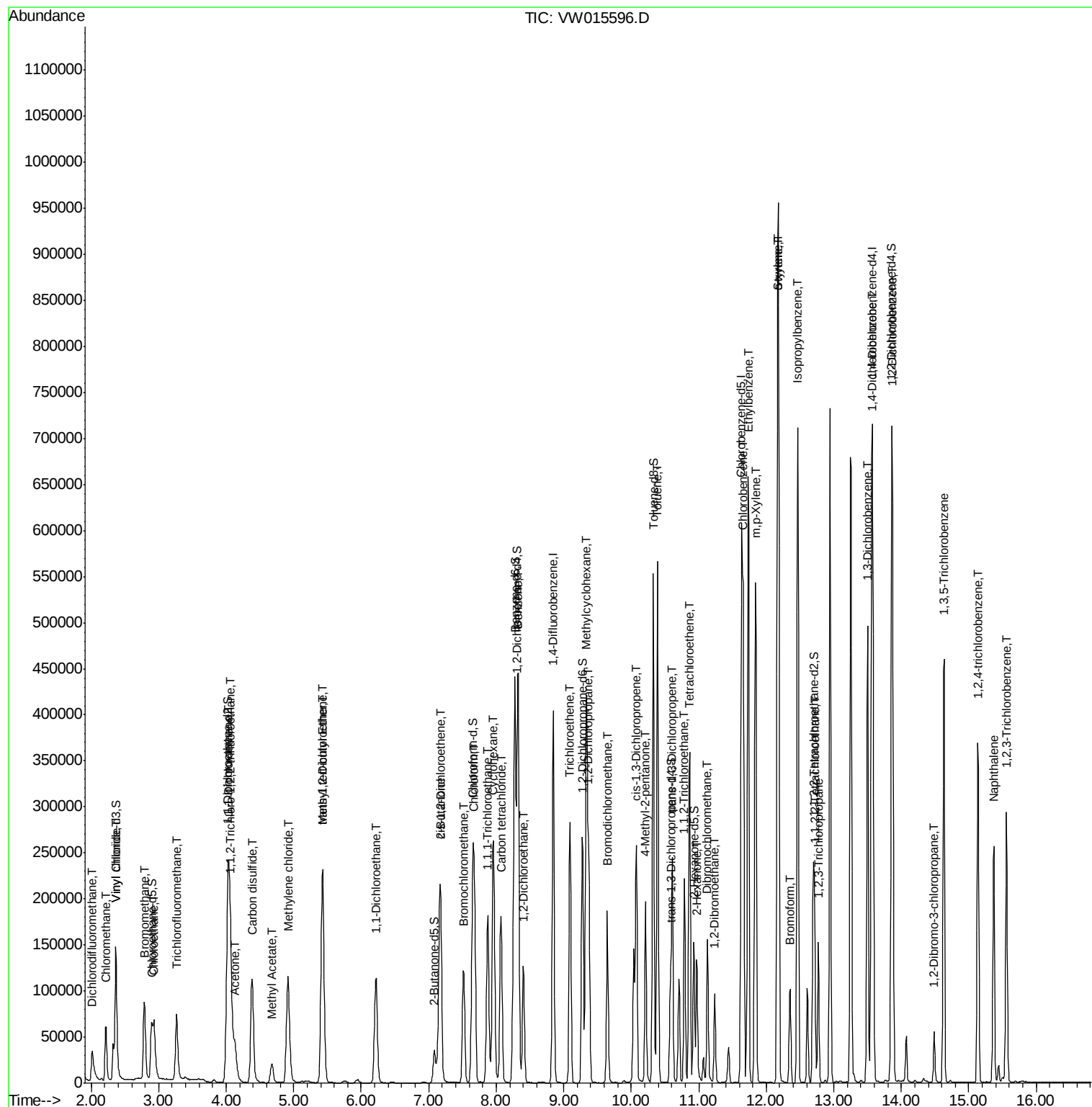
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	42952	22.748	ug/L	97
25) Chloroform	7.68	83	167996	22.099	ug/L	99
27) 1,2-Dichloroethane	8.40	62	118229	22.990	ug/L	100
30) Cyclohexane	7.96	56	148386	19.809	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	145718	21.494	ug/L	99
32) Carbon tetrachloride	8.07	117	132980	21.386	ug/L	99
34) Benzene	8.32	78	367226	21.669	ug/L	100
35) Trichloroethene	9.09	95	96108	21.112	ug/L	98
36) Methylcyclohexane	9.34	83	167617	20.645	ug/L	100
40) 1,2-Dichloropropane	9.37	63	90729	21.740	ug/L	99
41) Bromodichloromethane	9.65	83	119821	21.491	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	144164	21.586	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	126183	51.579	ug/L	99
44) Toluene	10.39	91	400225	21.676	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	129304	22.248	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	67257	23.035	ug/L	98
47) Tetrachloroethene	10.87	164	79345	21.988	ug/L	97
49) 2-Hexanone	10.97	43	84654	51.266	ug/L	99
50) Dibromochloromethane	11.13	129	78684	22.181	ug/L	98
51) 1,2-Dibromoethane	11.24	107	65150	23.243	ug/L	98
52) Chlorobenzene	11.66	112	254408	21.967	ug/L	97
53) Ethylbenzene	11.73	91	459650	21.680	ug/L	99
54) m,p-Xylene	11.84	106	171581	21.567	ug/L	100
55) o-xylene	12.17	106	163825	21.694	ug/L	95
56) Styrene	12.18	104	281179	21.791	ug/L	99
57) Isopropylbenzene	12.47	105	463061	22.013	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	82834	24.505	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	61686	24.067	ug/L	100
62) Bromoform	12.35	173	44004	20.810	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	194829	20.979	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	198799	21.847	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	178959	22.175	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	13389	21.870	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	140450	21.844	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	112641	21.752	ug/L	99
69) Naphthalene	15.37	128	214543	22.817	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	97191	22.061	ug/L	97

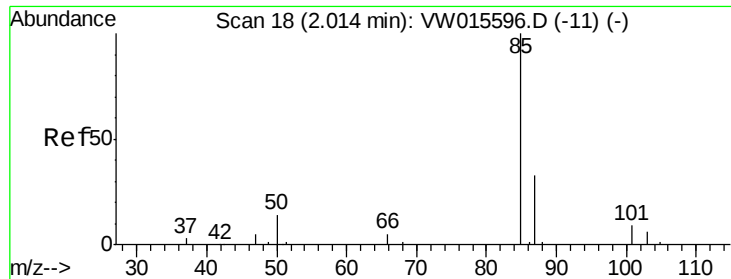
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\
Data File : VW015596.D
Acq On : 12 Jun 2020 09:53
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Jun 13 01:32:57 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





#2

Dichlorodifluoromethane

Concen: 20.605 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

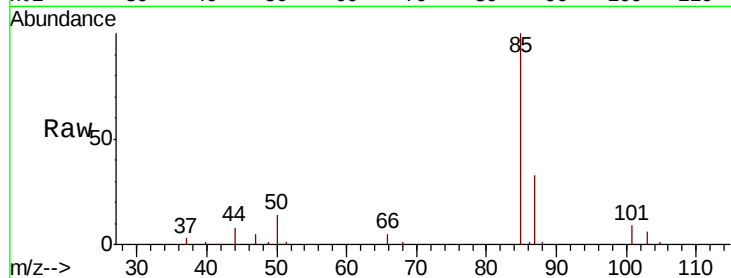
VSTD02529

Tot Ion: 85 Resp: 59791

Ion Ratio Lower Upper

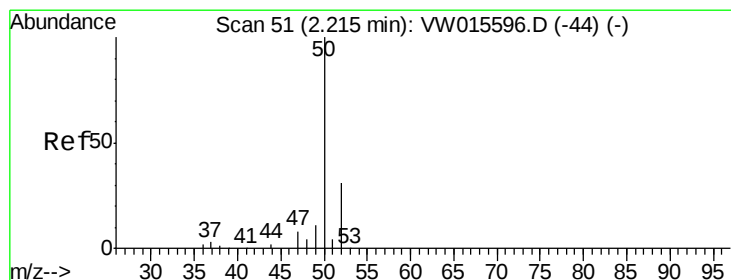
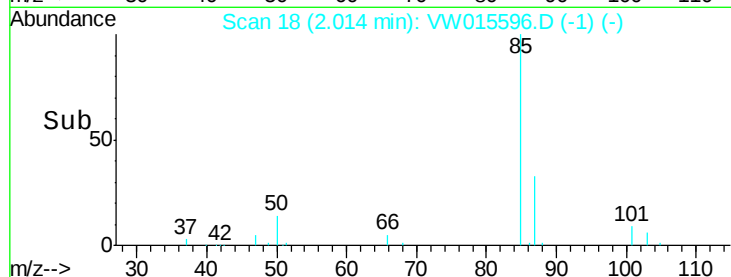
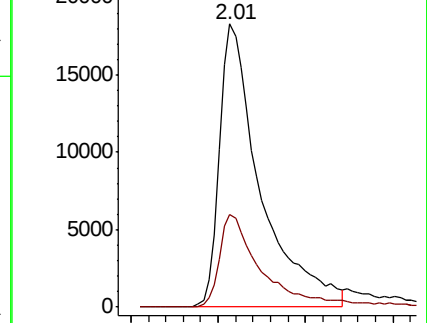
85 100

87 30.9 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.731 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015596.D

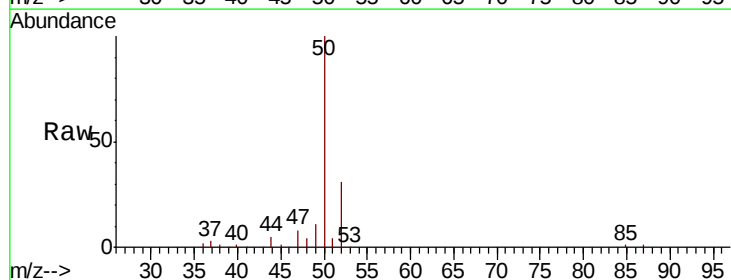
Acq: 12 Jun 2020 09:53

Tgt Ion: 50 Resp: 63029

Ion Ratio Lower Upper

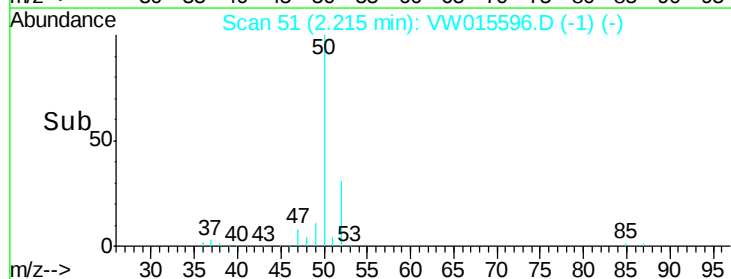
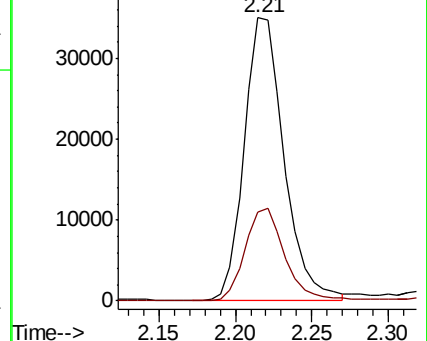
50 100

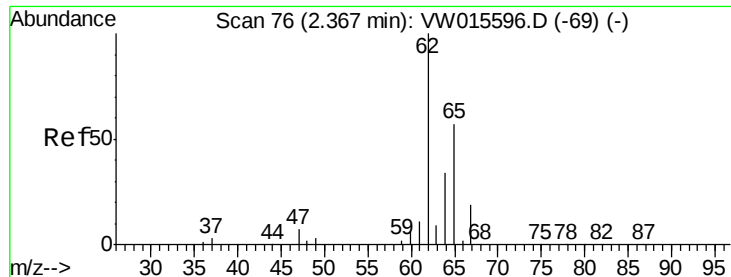
52 31.4 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.822 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

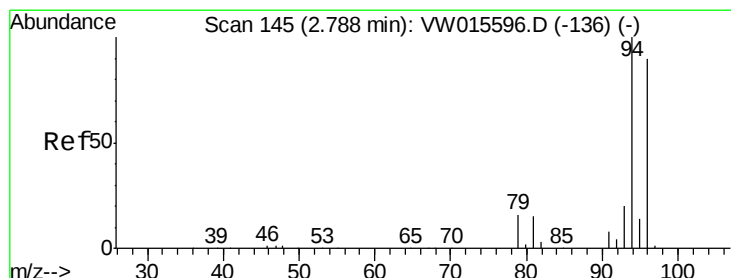
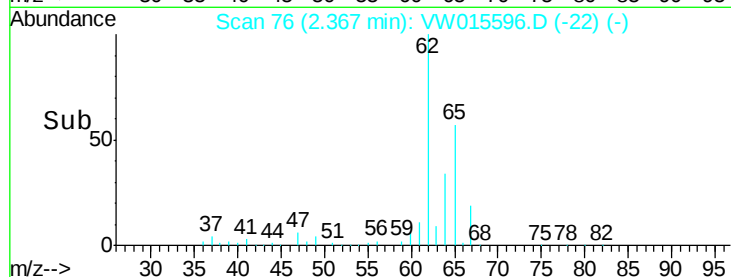
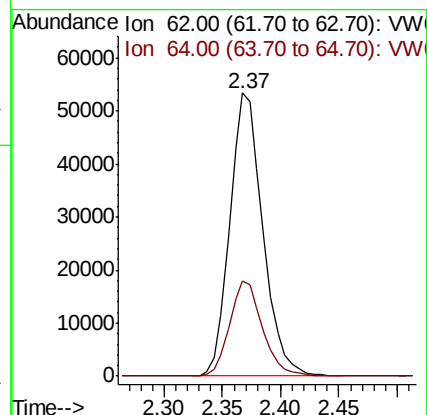
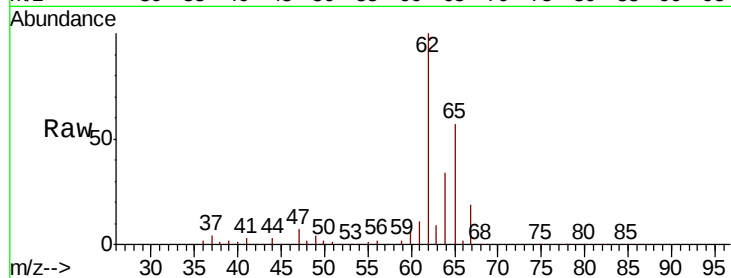
VSTD02529

Tot Ion: 62 Resp: 104832

Ion Ratio Lower Upper

62 100

64 33.7 22.6 42.0



#6

Bromomethane

Concen: 21.504 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015596.D

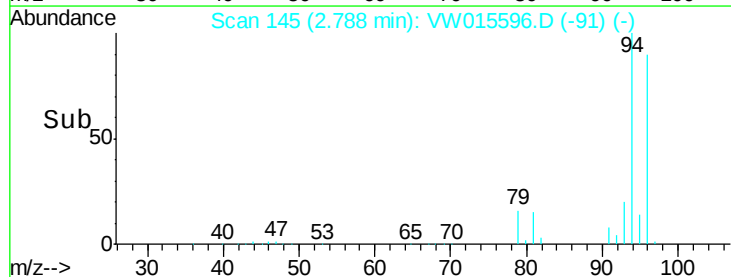
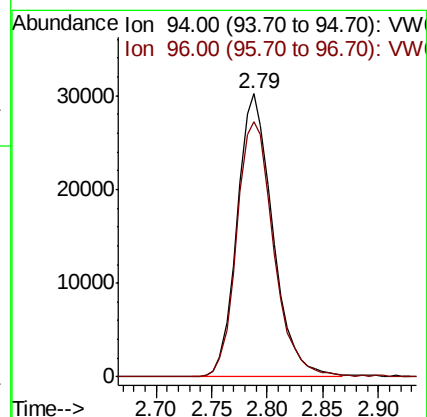
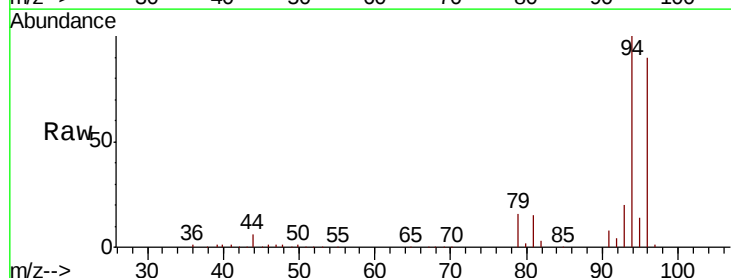
Acq: 12 Jun 2020 09:53

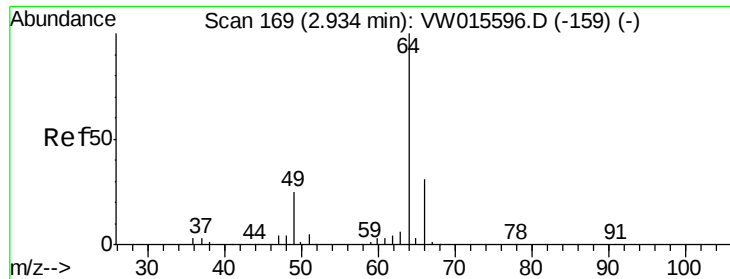
Tgt Ion: 94 Resp: 67142

Ion Ratio Lower Upper

94 100

96 93.6 9.3 177.5





#8

Chloroethane

Concen: 22.251 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

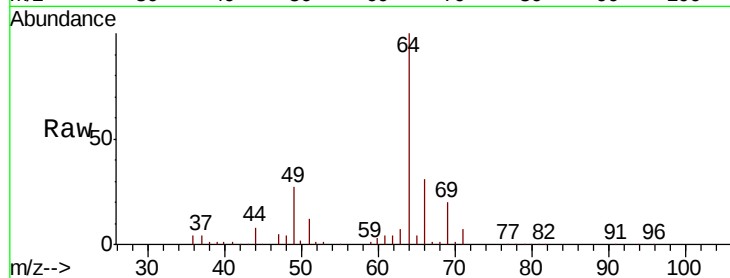
VSTD02529

Tot Ion: 64 Resp: 65068

Ion Ratio Lower Upper

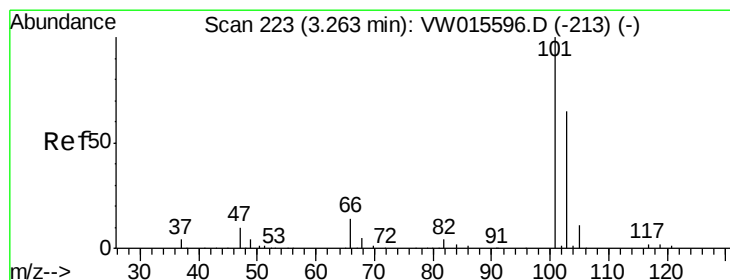
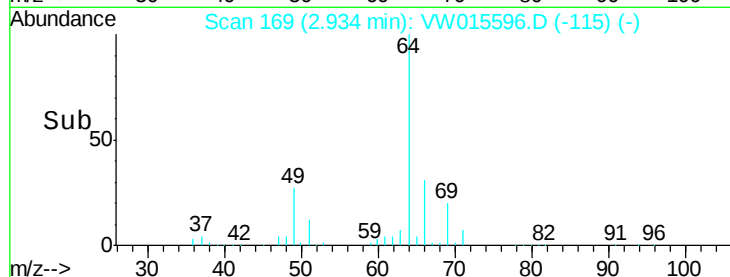
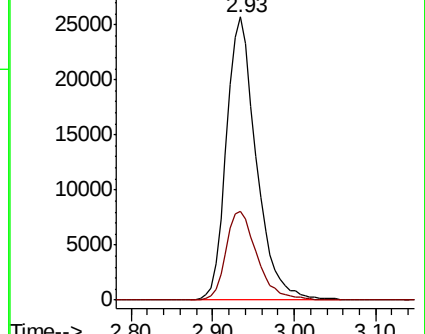
64 100

66 31.5 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 23.147 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015596.D

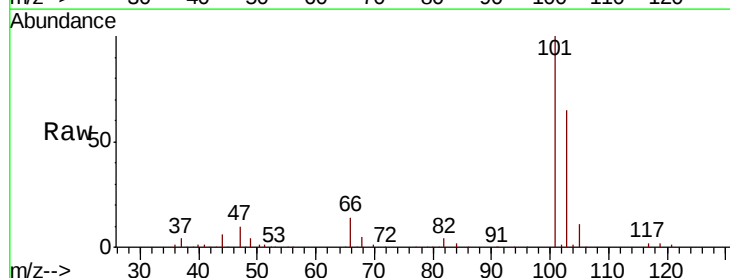
Acq: 12 Jun 2020 09:53

Tgt Ion:101 Resp: 79131

Ion Ratio Lower Upper

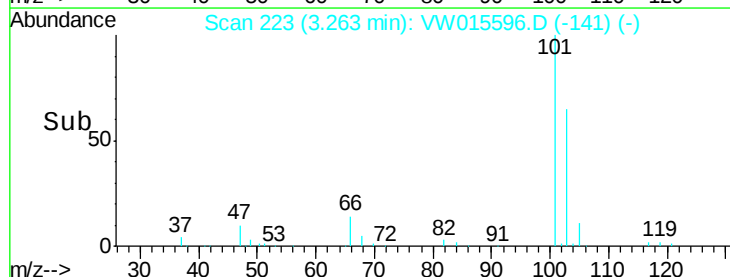
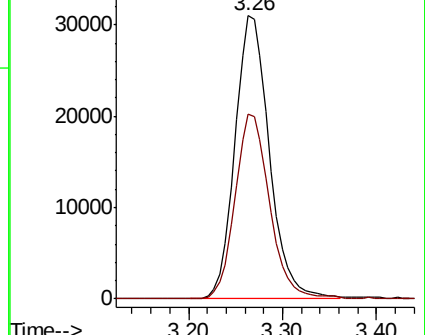
101 100

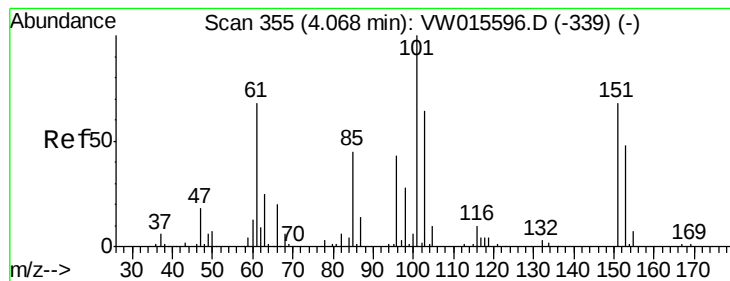
103 65.1 46.6 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 21.956 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

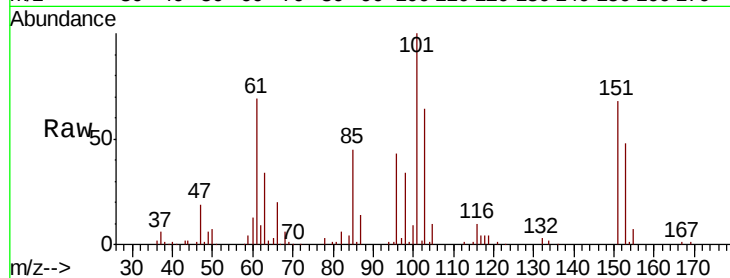
Tot Ion:101 Resp: 89023

Ion Ratio Lower Upper

101 100

85 42.1 35.1 52.7

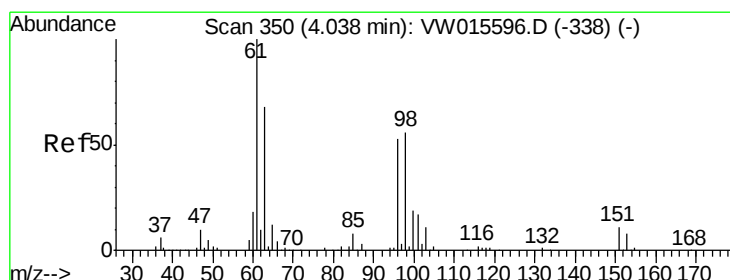
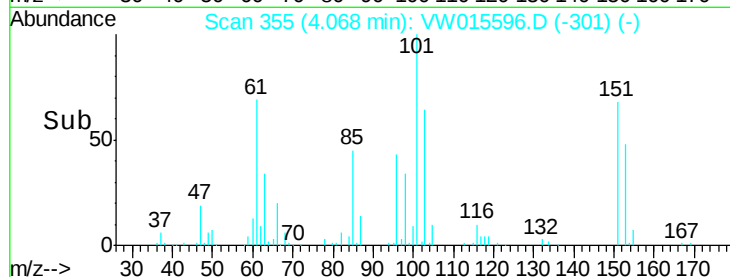
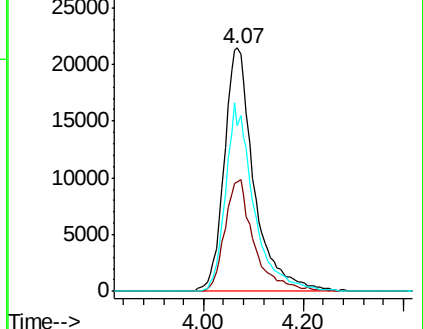
151 72.9 58.6 87.8



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: 21.217 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

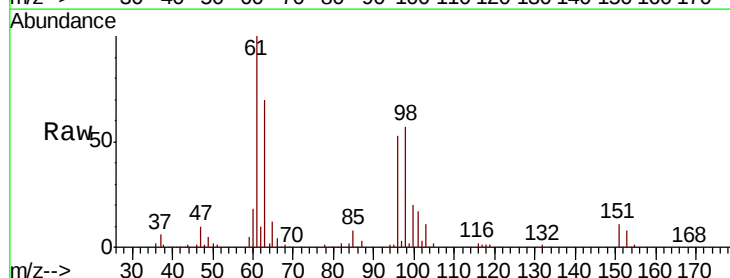
Tgt Ion: 96 Resp: 83096

Ion Ratio Lower Upper

96 100

61 190.5 127.7 237.1

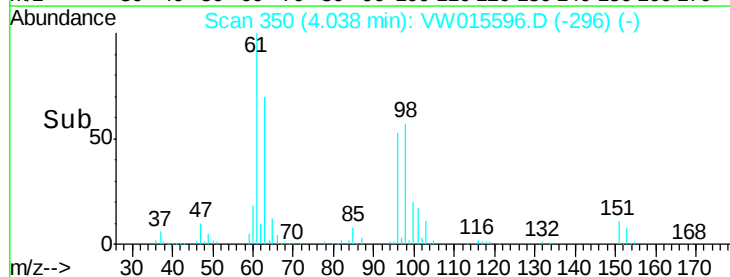
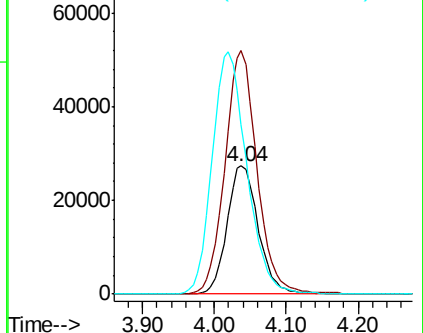
63 133.0 92.3 171.5

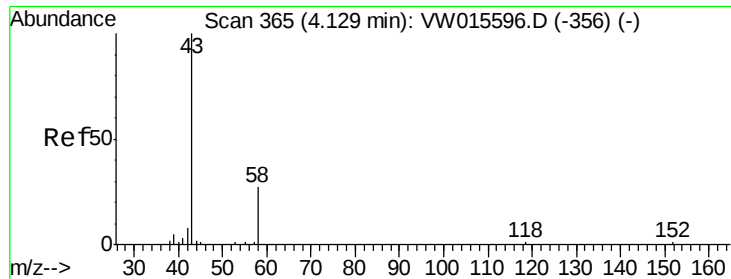


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 62.755 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

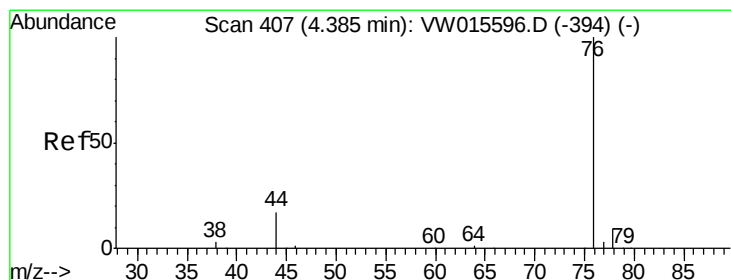
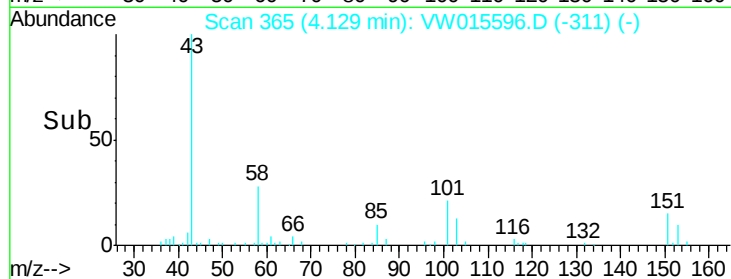
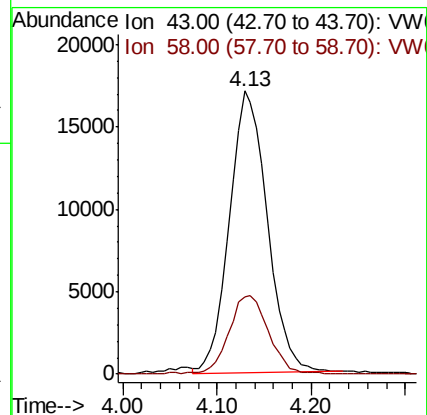
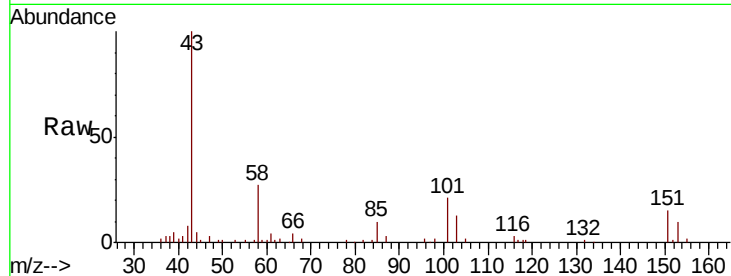
VSTD02529

Tot Ion: 43 Resp: 47677

Ion Ratio Lower Upper

43 100

58 29.2 0.0 56.8



#14

Carbon disulfide

Concen: 18.992 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015596.D

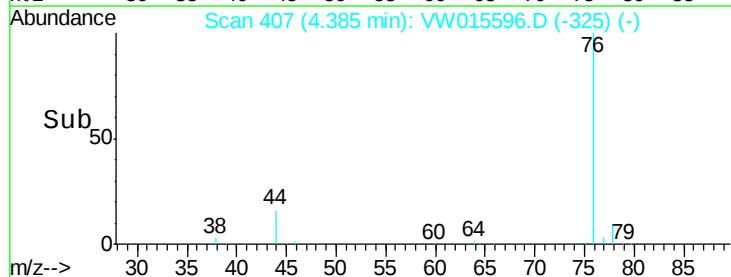
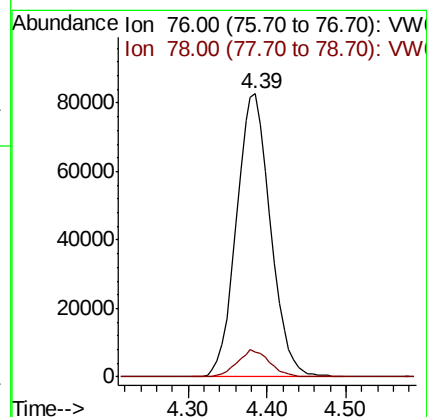
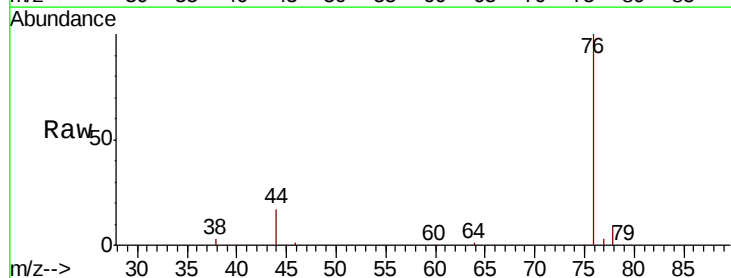
Acq: 12 Jun 2020 09:53

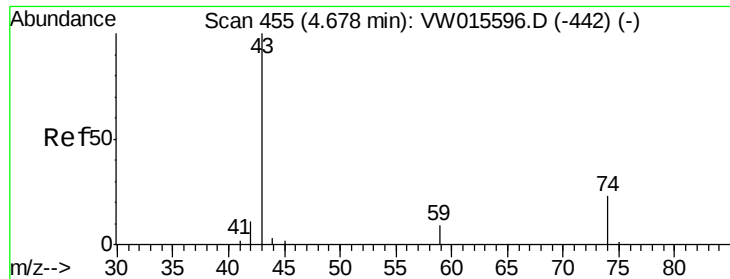
Tgt Ion: 76 Resp: 248150

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

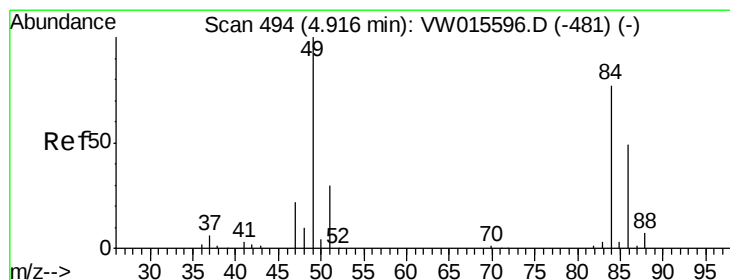
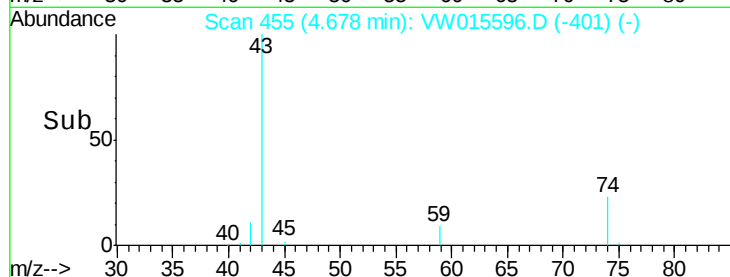
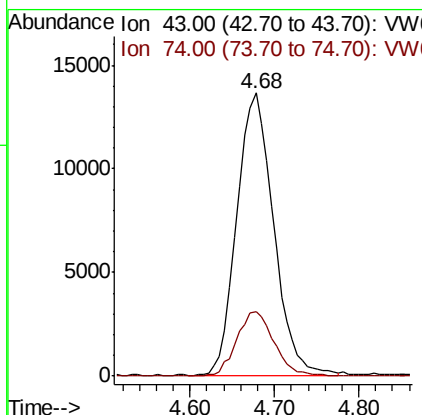
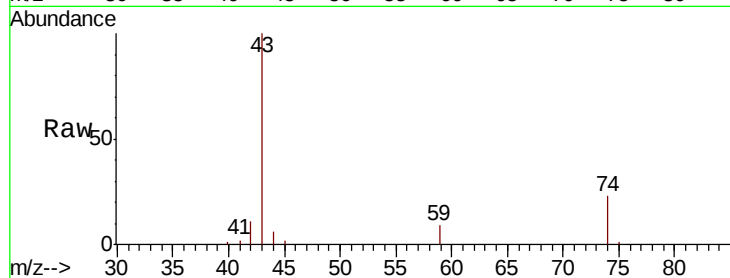




#15
Methyl Acetate
Concen: 24.734 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

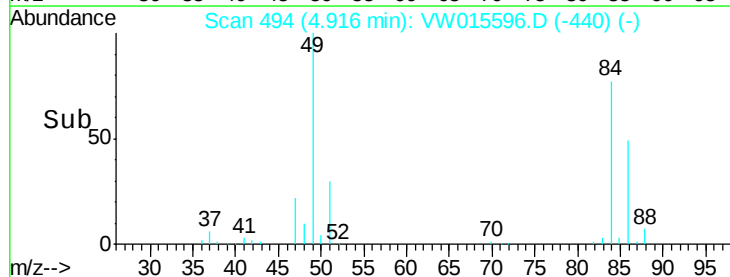
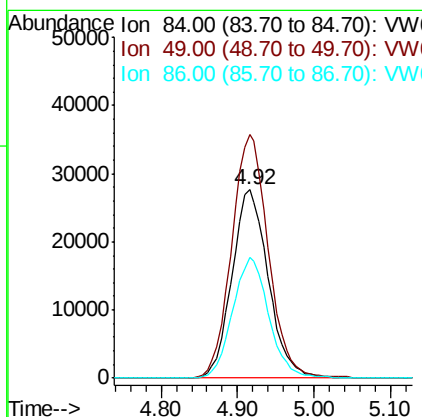
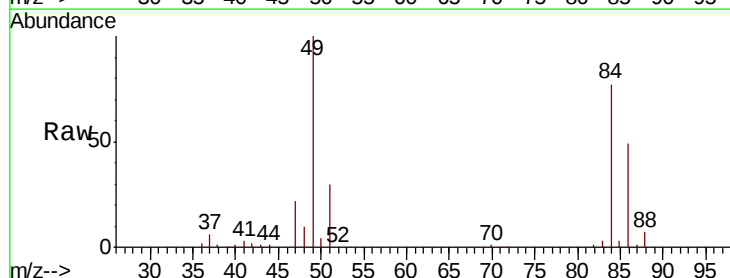
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

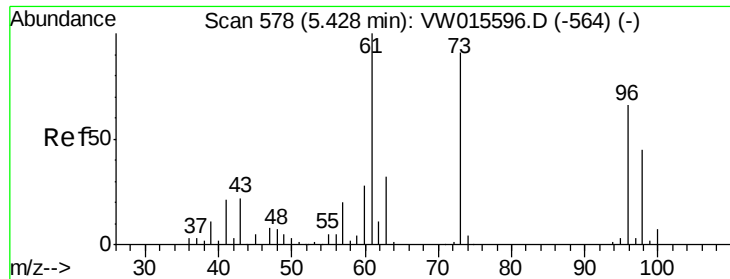
Tot Ion: 43 Resp: 40654
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.2



#16
Methylene chloride
Concen: 22.592 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

Tgt Ion: 84 Resp: 91073
Ion Ratio Lower Upper
84 100
49 129.5 93.0 172.8
86 64.1 44.7 83.1





#17

Methvl tert-butvl Ether

Concen: 22.060 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

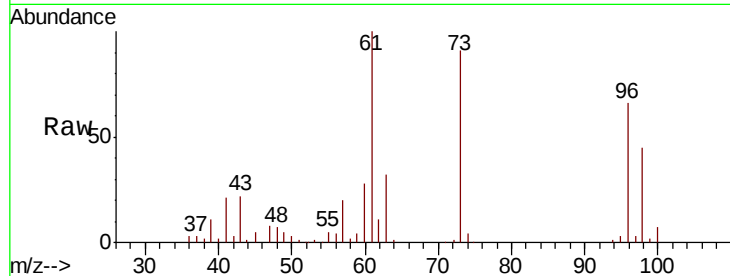
Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion: 73 Resp: 137110

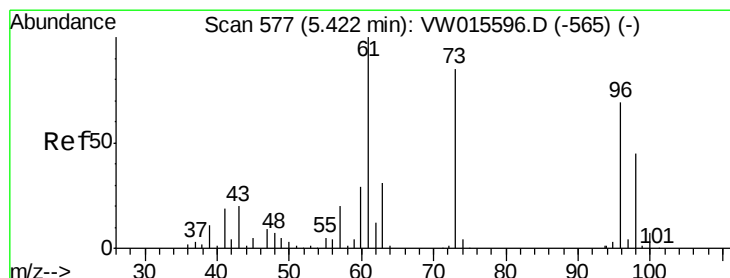
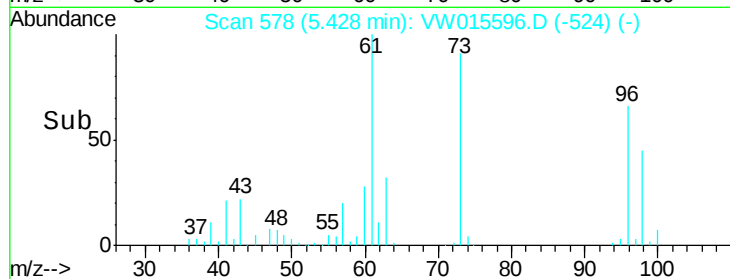
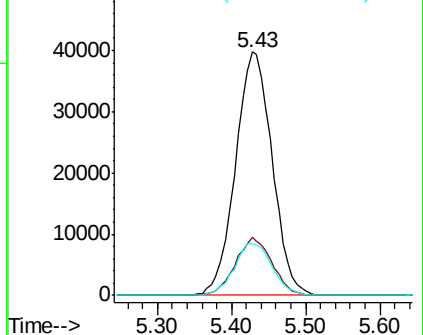
Ion	Ratio	Lower	Upper
73	100		
43	23.8	19.6	29.4
57	22.0	17.7	26.5



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 21.243 ug/L

RT: 5.42 min Scan# 577

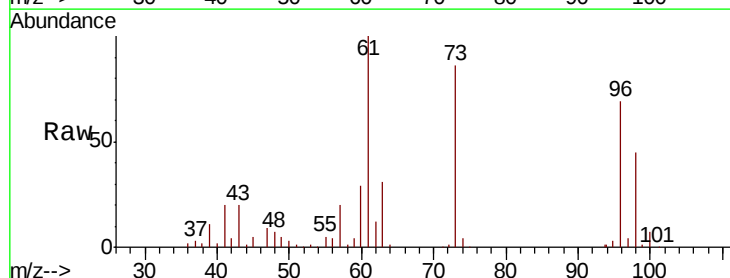
Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Tgt Ion: 96 Resp: 89166

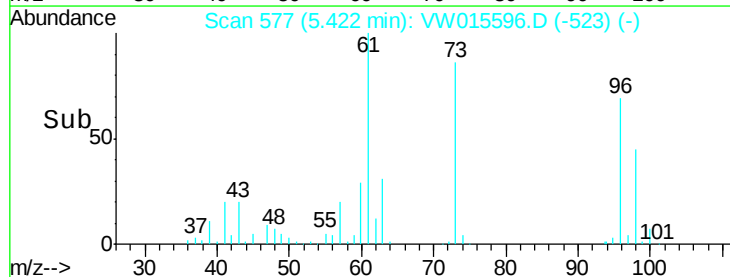
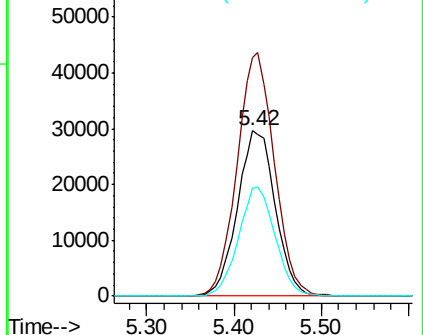
Ion	Ratio	Lower	Upper
96	100		
61	144.4	101.9	189.3
98	65.3	44.9	83.5

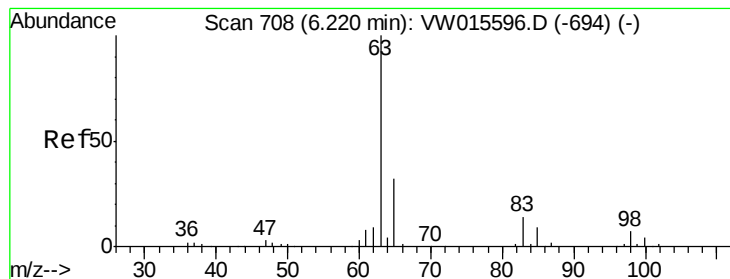


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 21.646 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

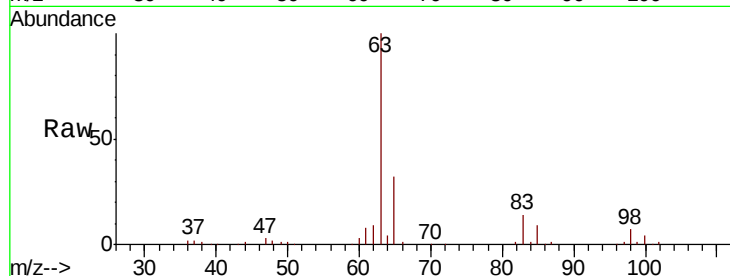
Tot Ion: 63 Resp: 163423

Ion Ratio Lower Upper

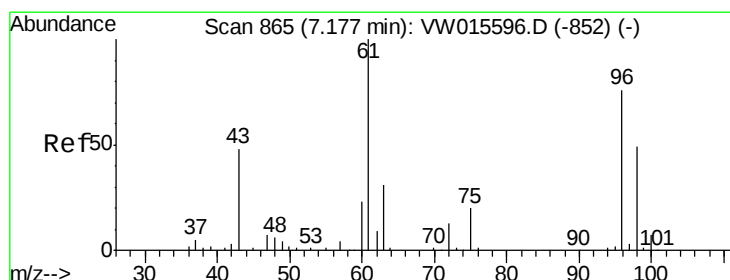
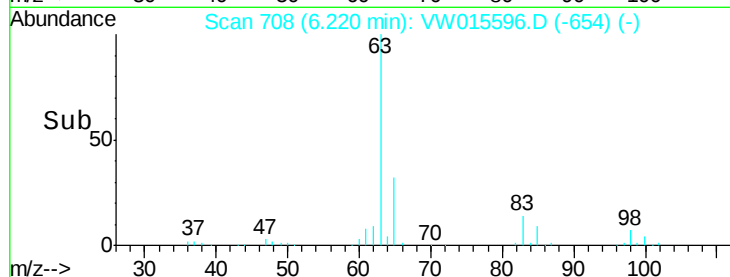
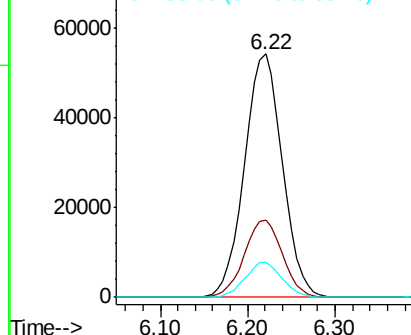
63 100

65 31.9 22.1 41.1

83 14.3 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: 52.524 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015596.D

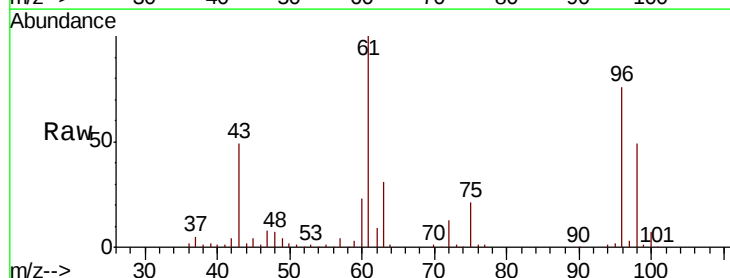
Acq: 12 Jun 2020 09:53

Tgt Ion: 43 Resp: 61300

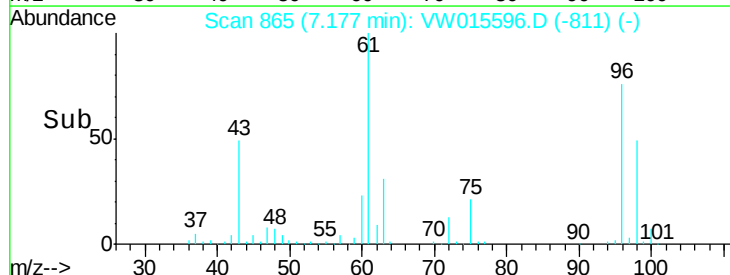
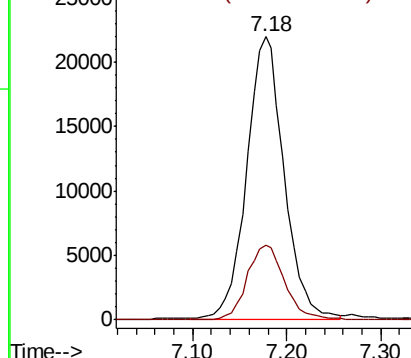
Ion Ratio Lower Upper

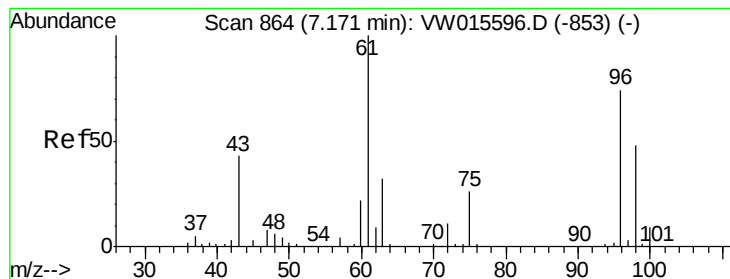
43 100

72 26.5 13.3 39.9



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



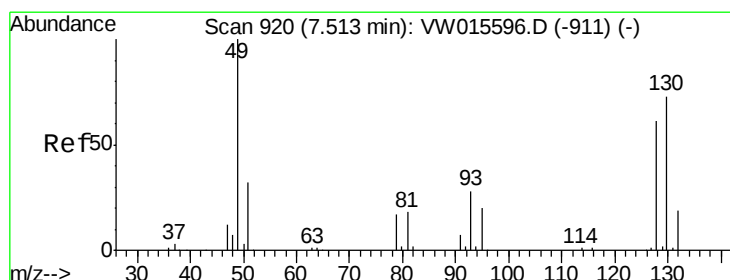
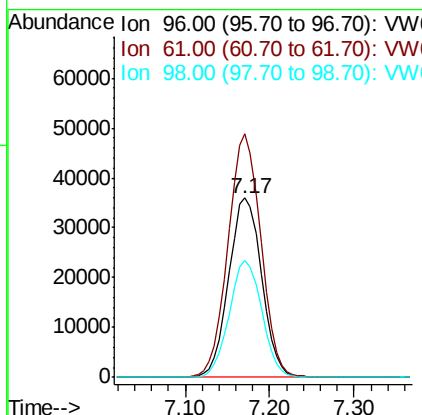
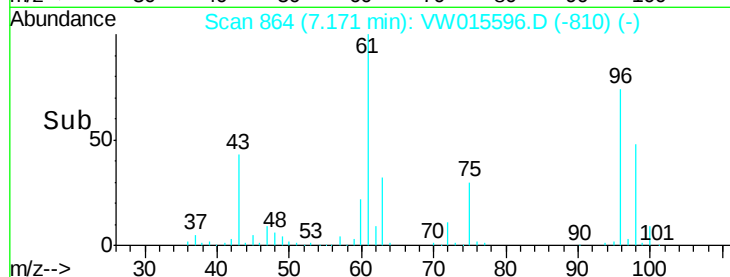
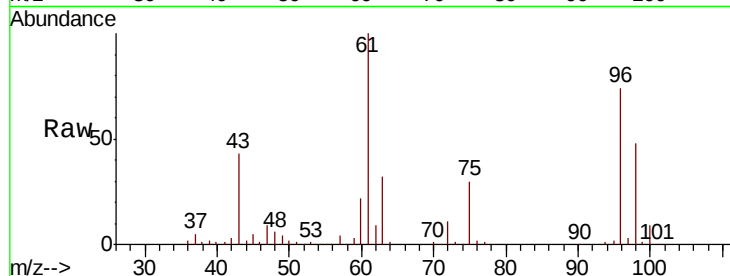


#22

cis-1,2-Dichloroethene
Concen: 21.841 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

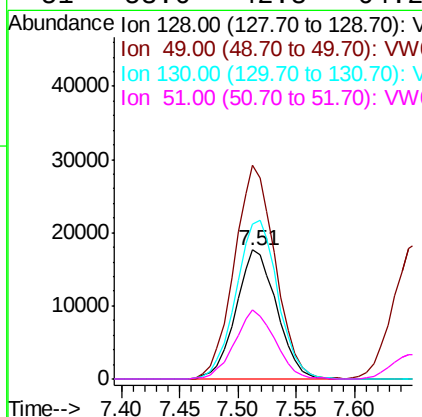
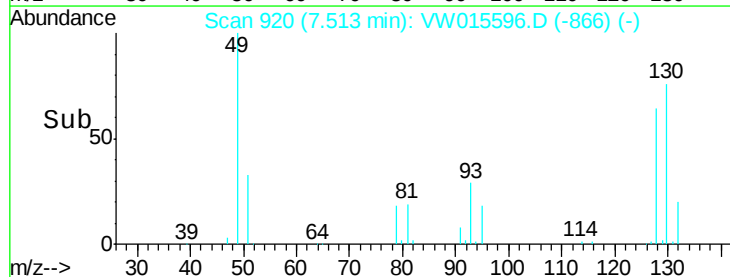
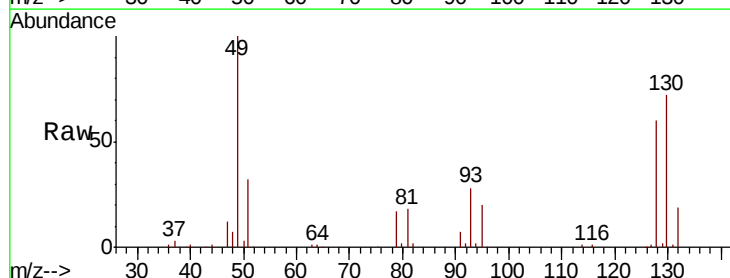
Tot Ion: 96 Resp: 95635
Ion Ratio Lower Upper
96 100
61 135.6 93.7 173.9
98 65.2 45.1 83.9

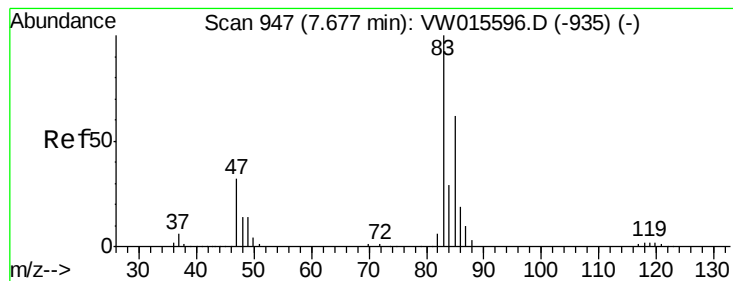


#23

Bromochloromethane
Concen: 22.748 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

Tgt Ion: 128 Resp: 42952
Ion Ratio Lower Upper
128 100
49 165.5 118.1 219.3
130 119.8 88.5 164.3
51 53.6 42.8 64.2





#25

Chloroform

Concen: 22.099 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

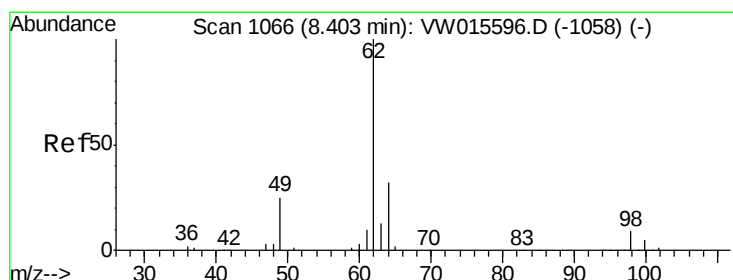
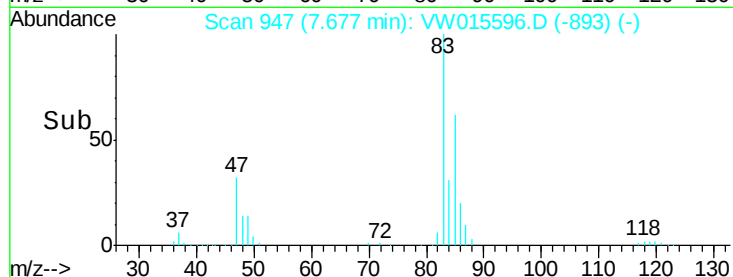
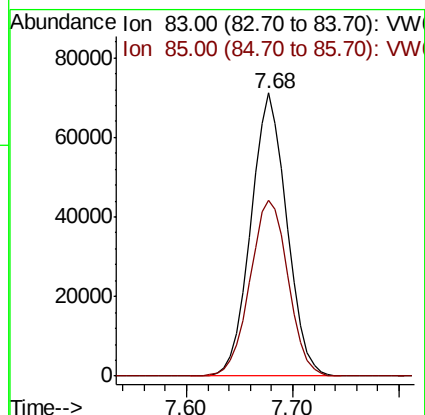
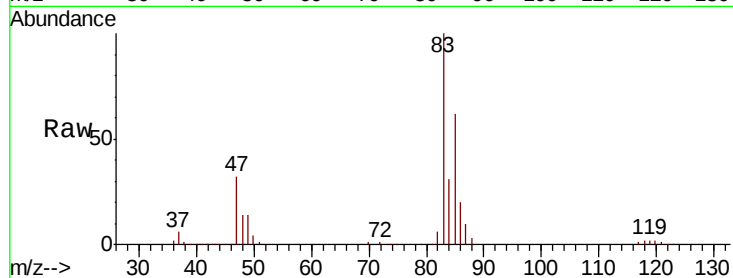
VSTD02529

Tot Ion: 83 Resp: 167996

Ion Ratio Lower Upper

83 100

85 66.2 45.7 84.9



#27

1,2-Dichloroethane

Concen: 22.990 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015596.D

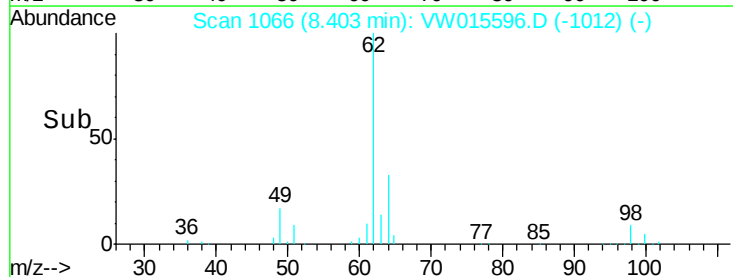
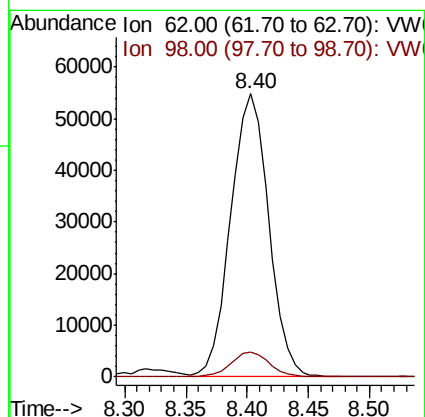
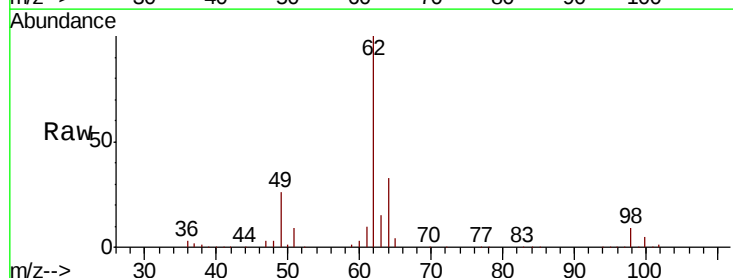
Acq: 12 Jun 2020 09:53

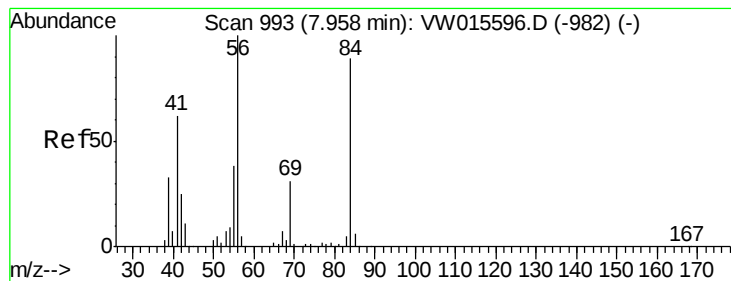
Tgt Ion: 62 Resp: 118229

Ion Ratio Lower Upper

62 100

98 8.7 7.0 10.4





#30

Cyclohexane

Concen: 19.809 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

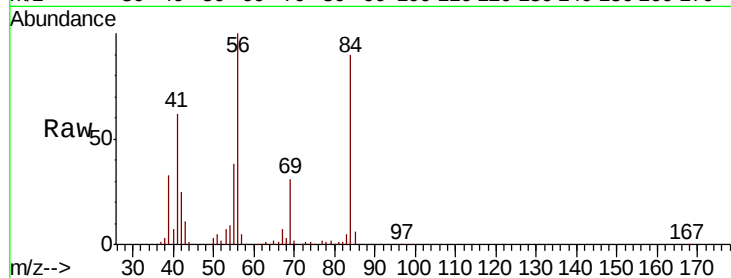
Tot Ion: 56 Resp: 148386

Ion Ratio Lower Upper

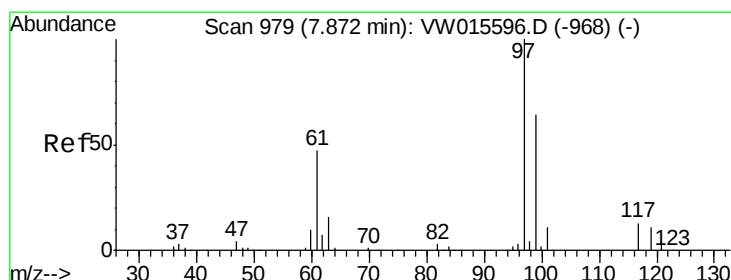
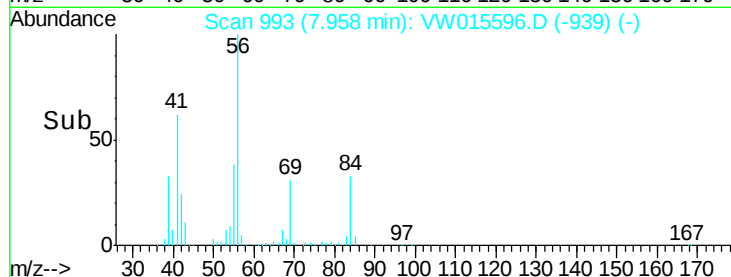
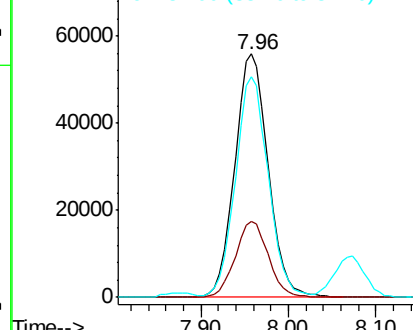
56 100

69 30.9 24.6 37.0

84 89.5 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 21.494 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

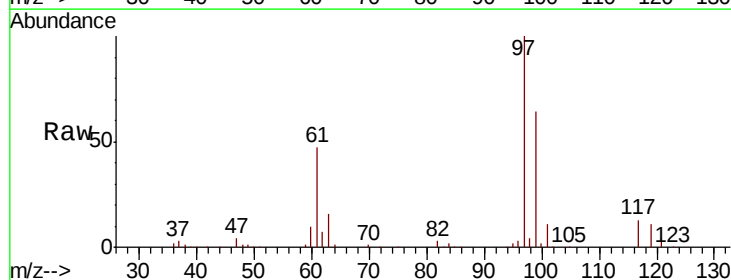
Tgt Ion: 97 Resp: 145718

Ion Ratio Lower Upper

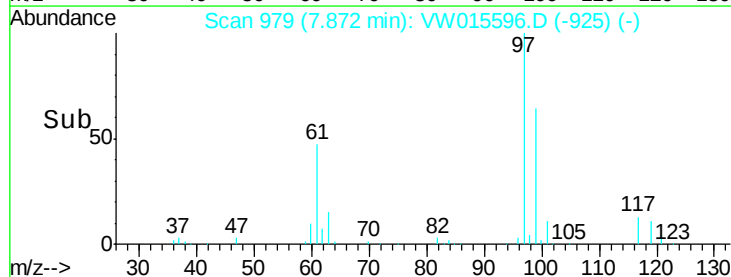
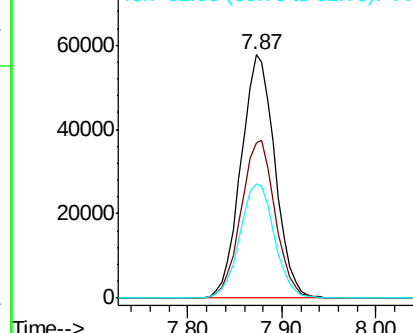
97 100

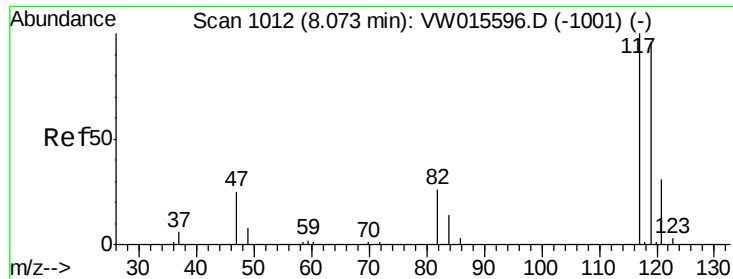
99 65.1 51.4 77.0

61 47.9 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 21.386 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

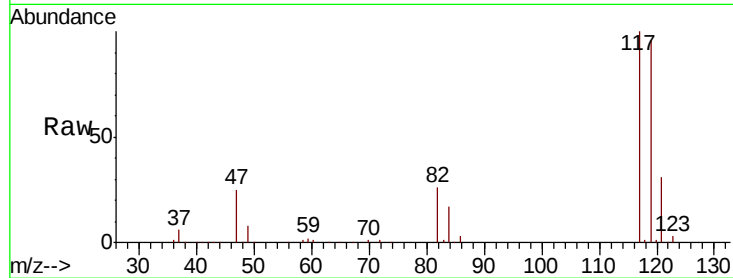
VSTD02529

Tot Ion:117 Resp: 132980

Ion Ratio Lower Upper

117 100

119 96.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

50000

40000

30000

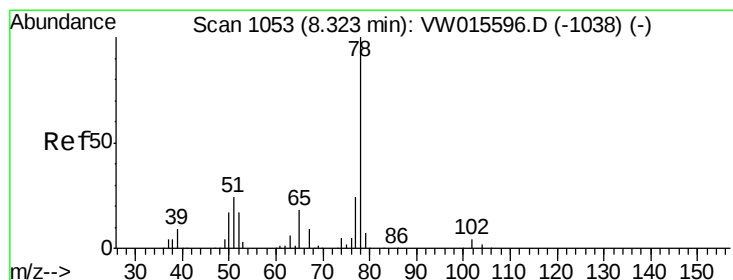
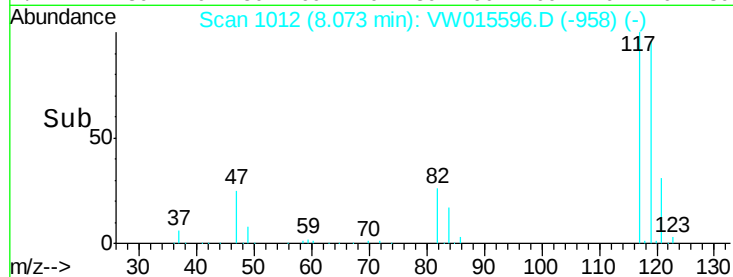
20000

10000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 21.669 ug/L

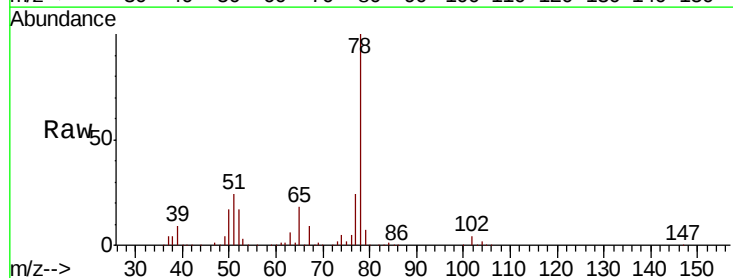
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Tgt Ion: 78 Resp: 367226



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

150000

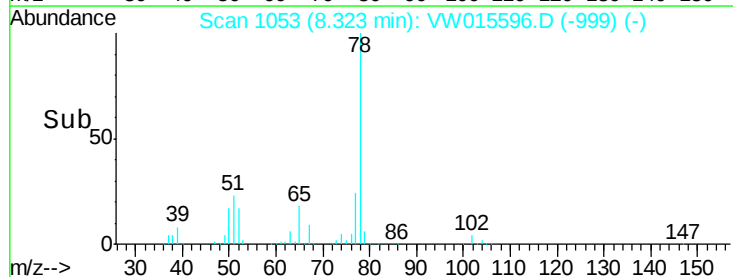
100000

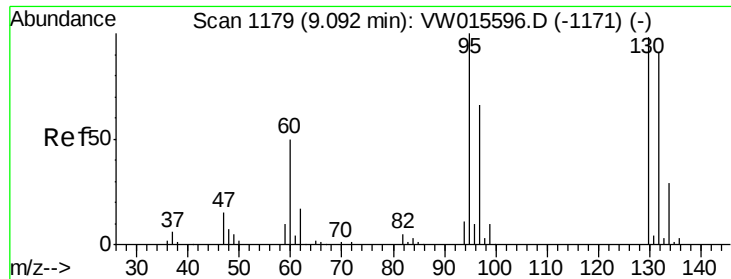
50000

0

8.20 8.30 8.40

Time-->

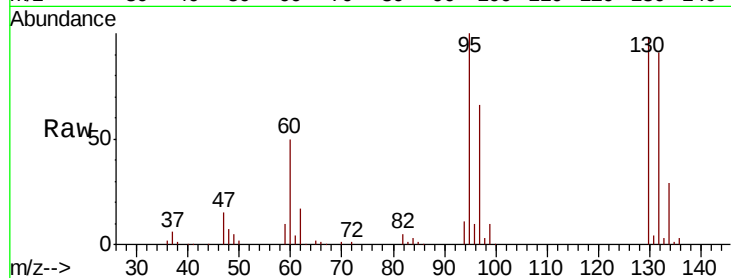




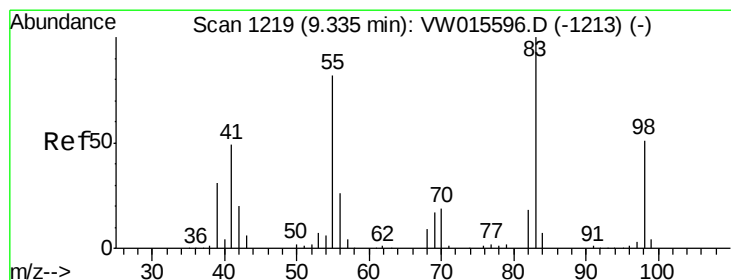
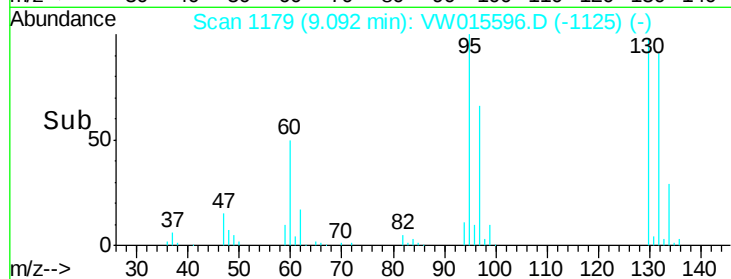
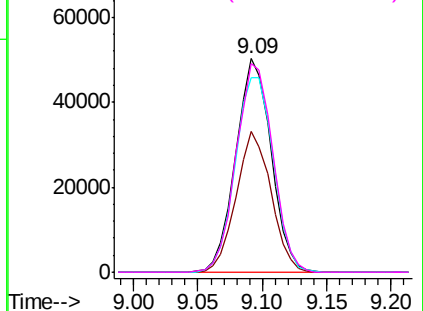
#35
 Trichloroethene
 Concen: 21.112 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion: 95 Resp: 96108
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.4 84.2
 132 97.9 67.1 124.7
 130 101.0 69.4 128.8

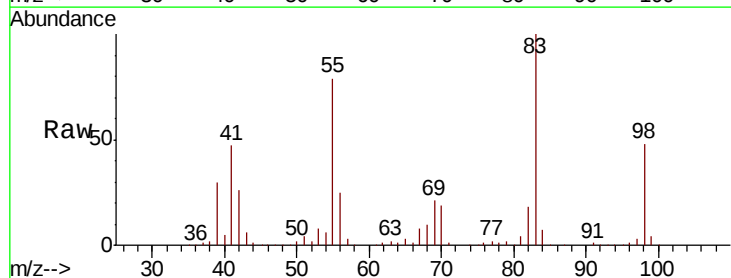


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

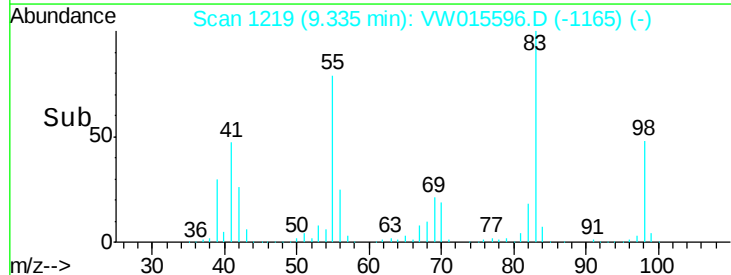
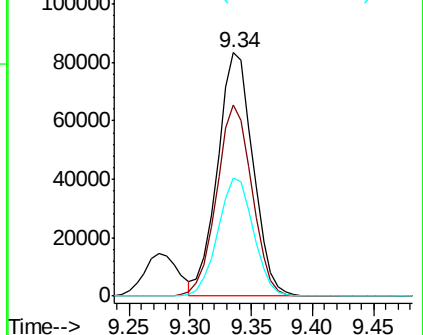


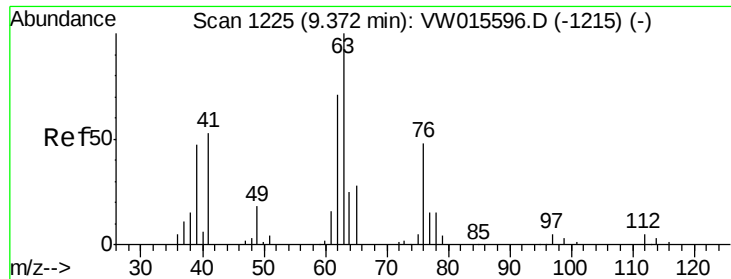
#36
 Methylcyclohexane
 Concen: 20.645 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

Tgt Ion: 83 Resp: 167617
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.8 94.2
 98 48.8 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

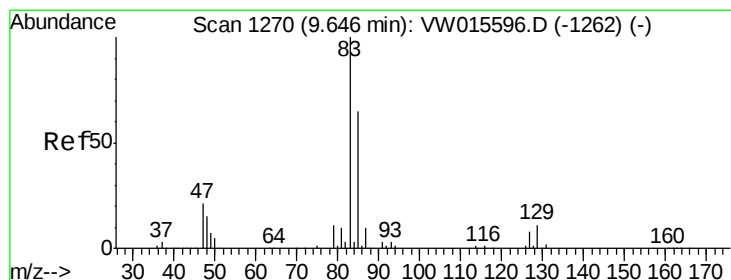
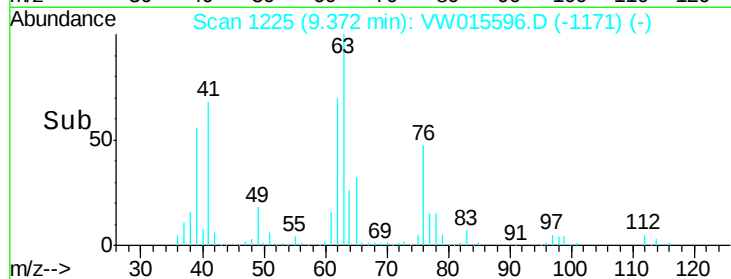
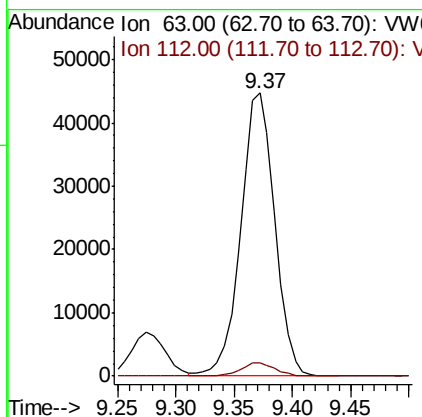
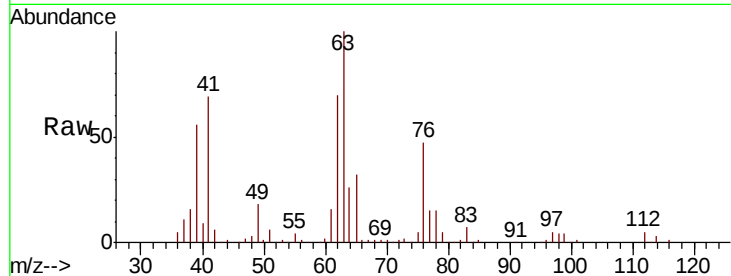




#40
 1,2-Dichloropropane
 Concen: 21.740 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

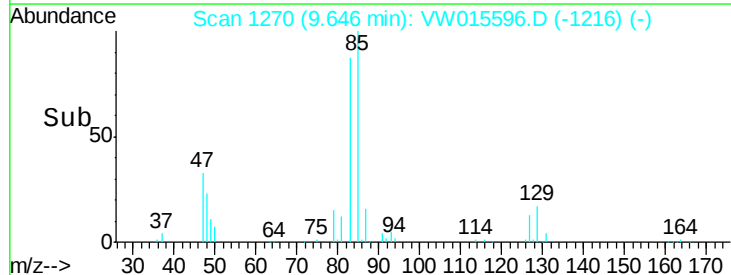
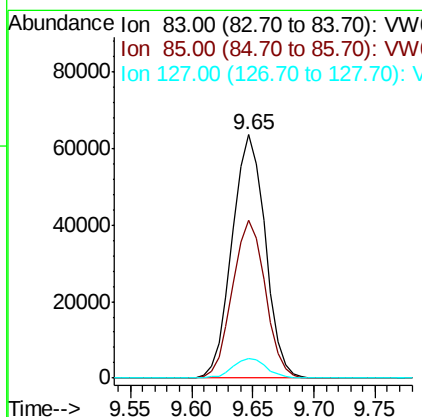
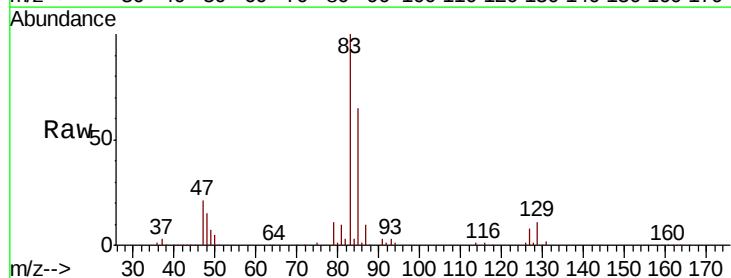
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

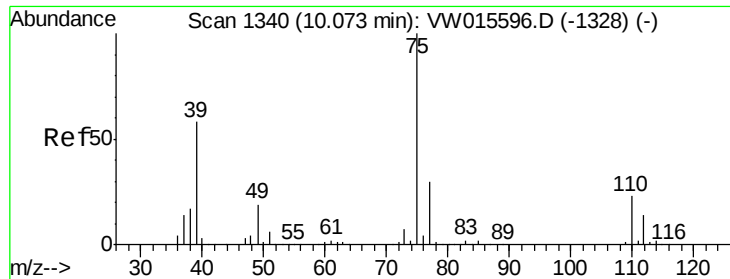
Tot Ion: 63 Resp: 90729
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 21.491 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

Tgt Ion: 83 Resp: 119821
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.8 83.2
 127 8.2 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 21.586 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

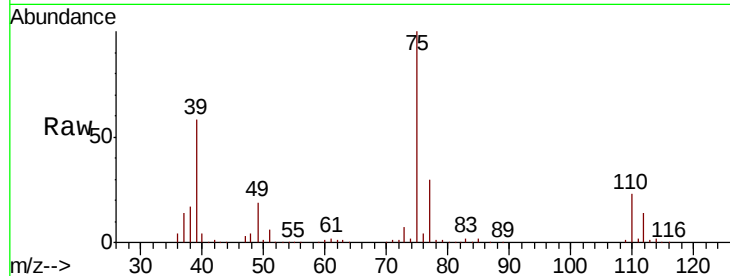
VSTD02529

Tot Ion: 75 Resp: 144164

Ion Ratio Lower Upper

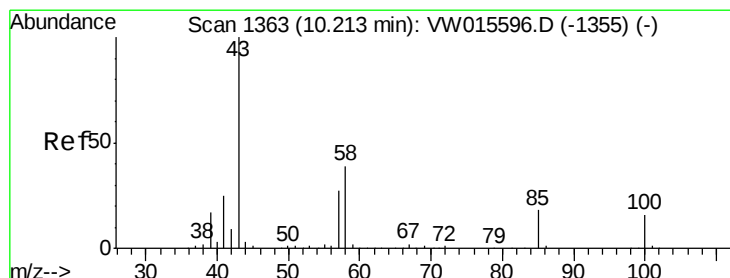
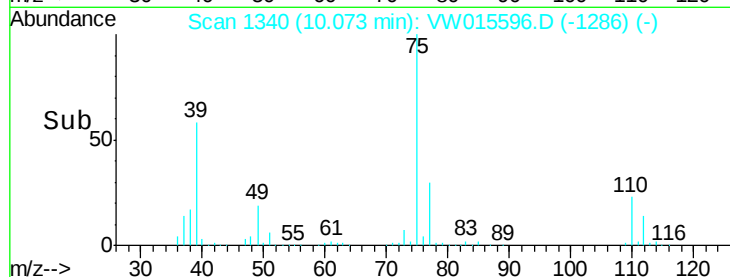
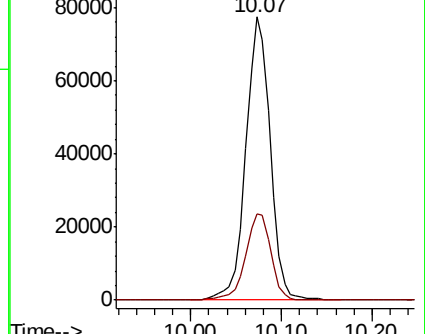
75 100

77 30.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 51.579 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

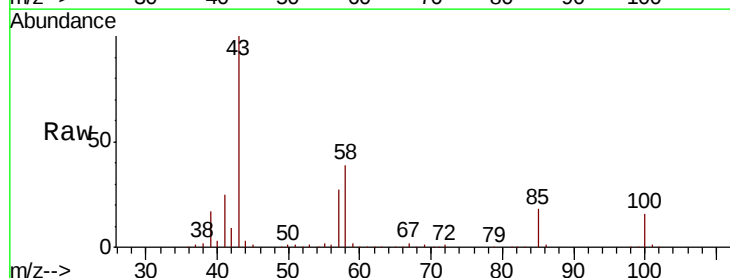
Tgt Ion: 43 Resp: 126183

Ion Ratio Lower Upper

43 100

58 38.7 30.6 46.0

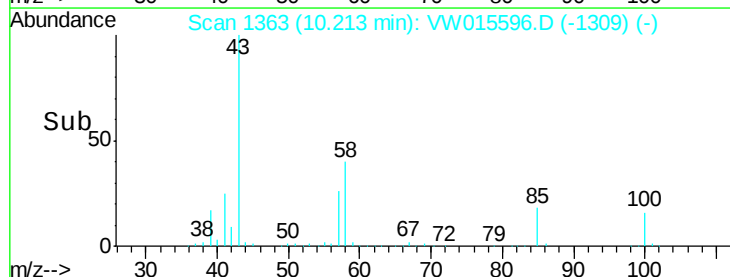
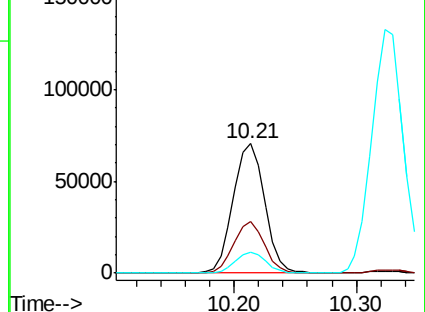
100 16.0 12.5 18.7

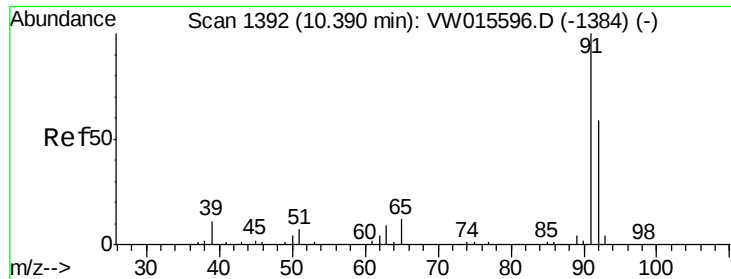


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 21.676 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

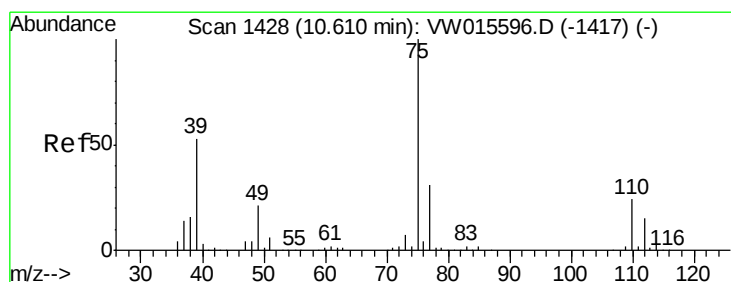
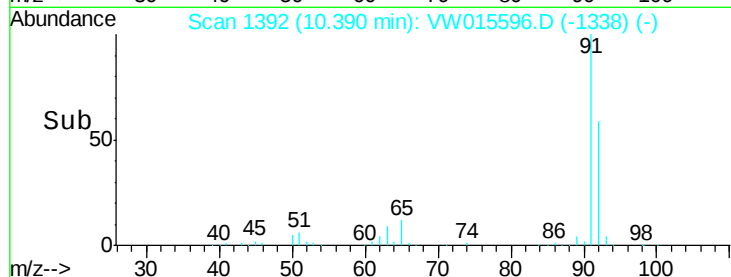
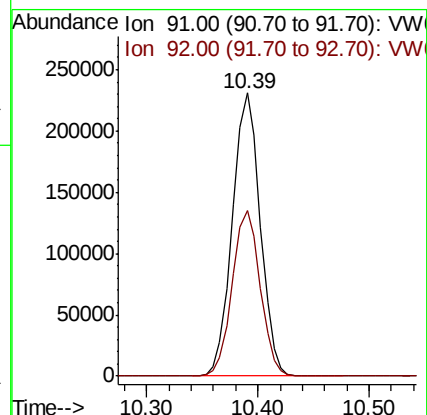
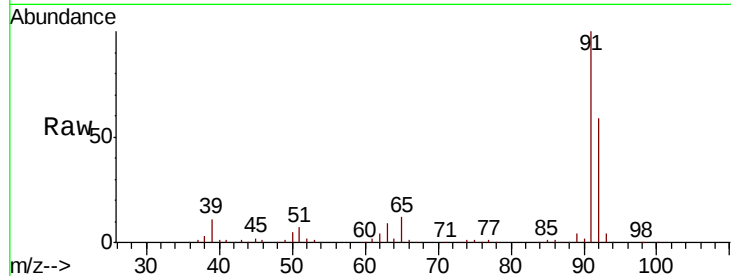
VSTD02529

Tot Ion: 91 Resp: 400225

Ion Ratio Lower Upper

91 100

92 58.6 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 22.248 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015596.D

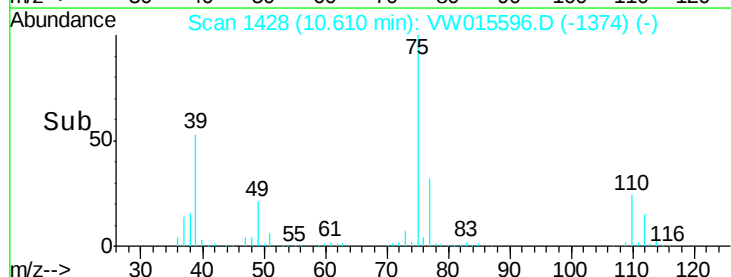
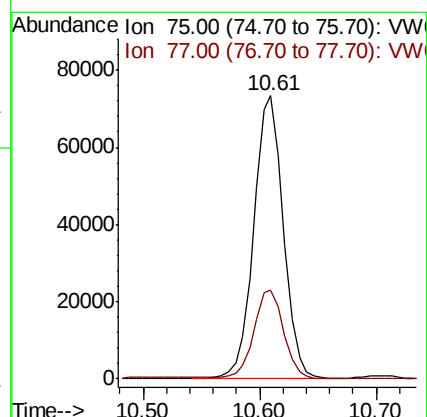
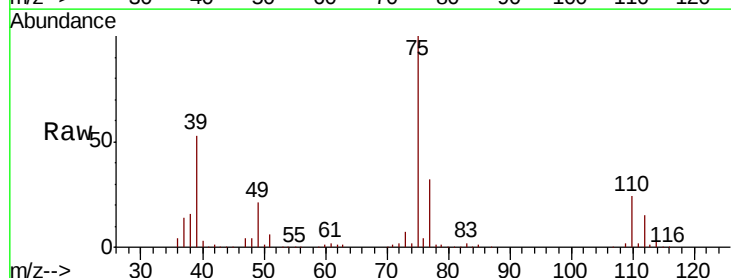
Acq: 12 Jun 2020 09:53

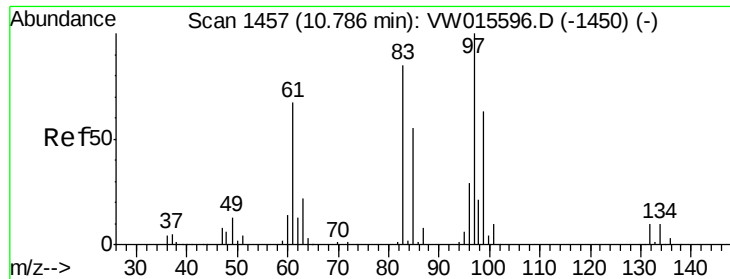
Tgt Ion: 75 Resp: 129304

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 23.035 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 97 Resp: 67257

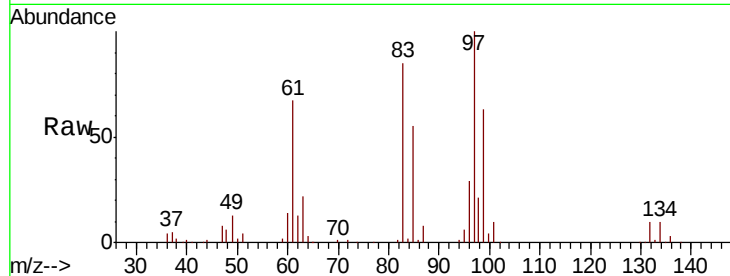
Ion Ratio Lower Upper

97 100

83 84.8 58.2 108.2

85 55.3 37.4 69.4

99 63.1 43.7 81.1

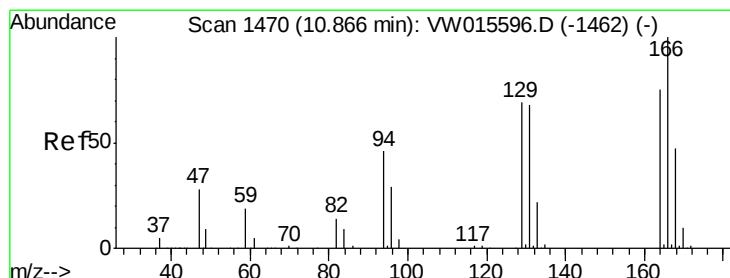
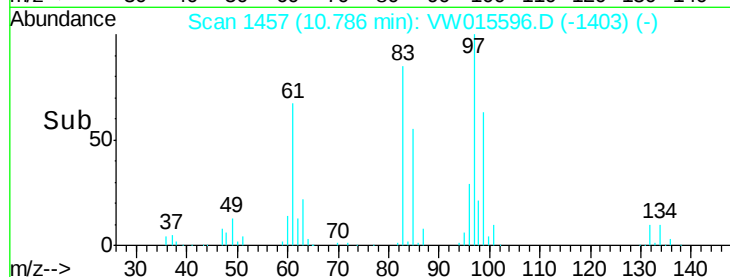
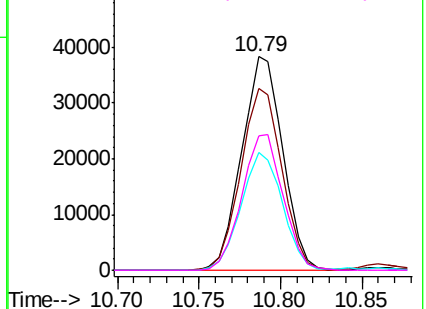


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 21.988 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Tgt Ion: 164 Resp: 79345

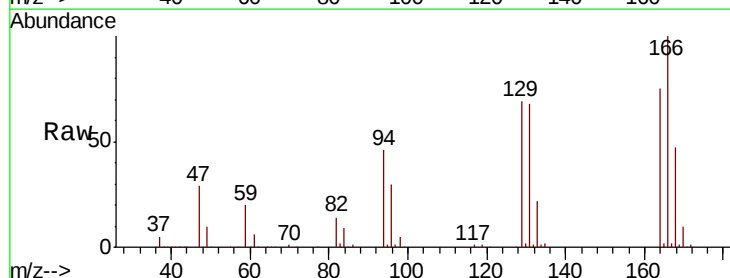
Ion Ratio Lower Upper

164 100

129 91.4 66.3 123.1

131 89.8 65.1 120.9

166 132.5 90.8 168.6

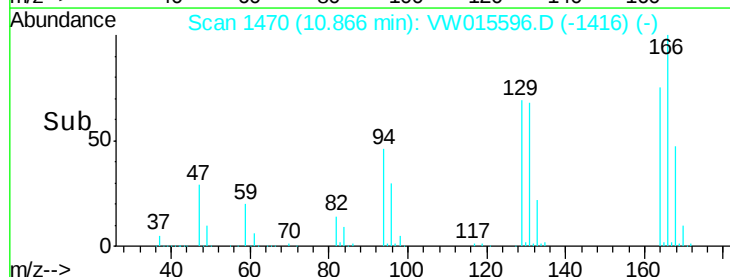
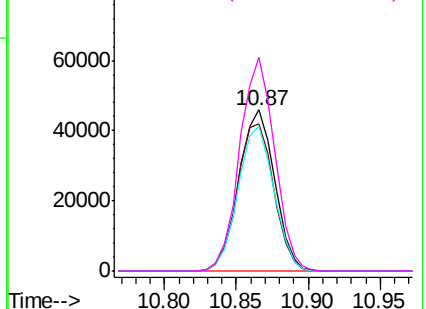


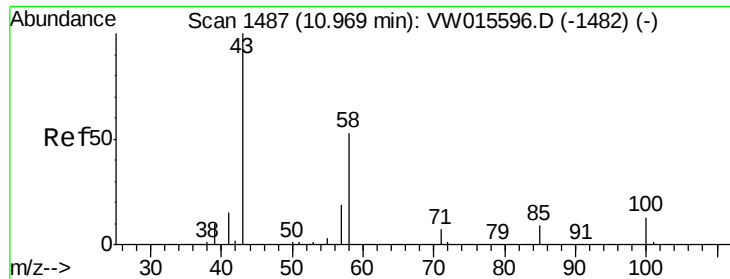
Abundance Ion 164.00 (163.70 to 164.70): V

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: 51.266 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 43 Resp: 84654

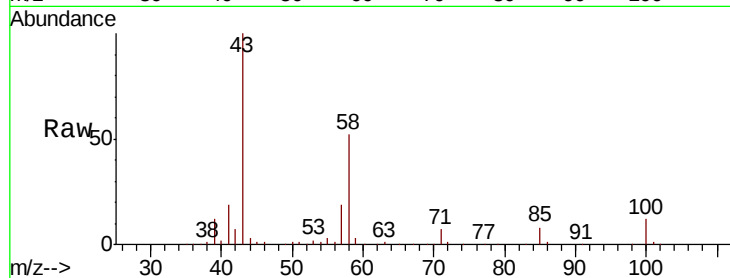
Ion Ratio Lower Upper

43 100

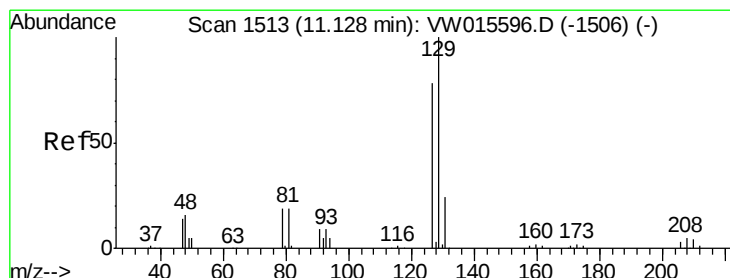
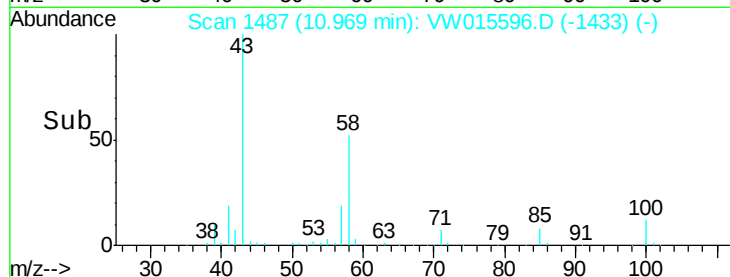
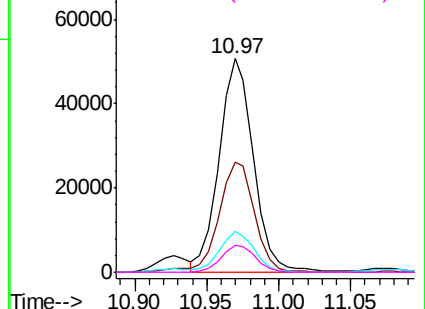
58 52.3 42.6 64.0

57 19.1 15.5 23.3

100 12.5 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: 22.181 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015596.D

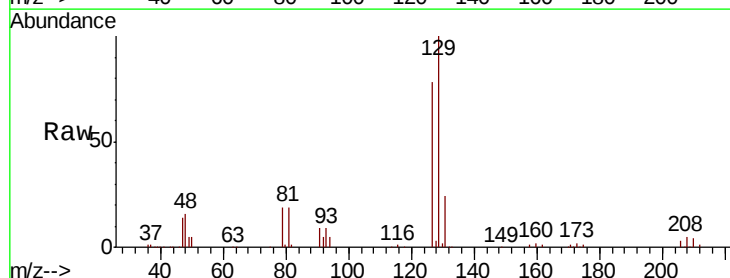
Acq: 12 Jun 2020 09:53

Tgt Ion: 129 Resp: 78684

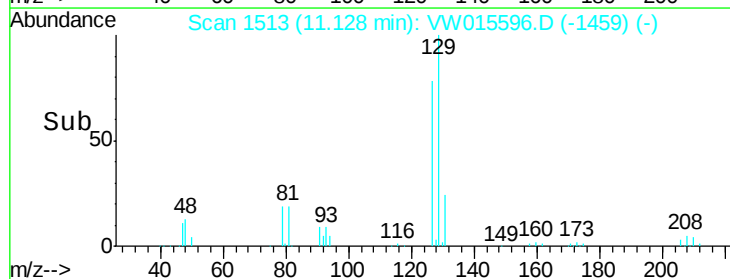
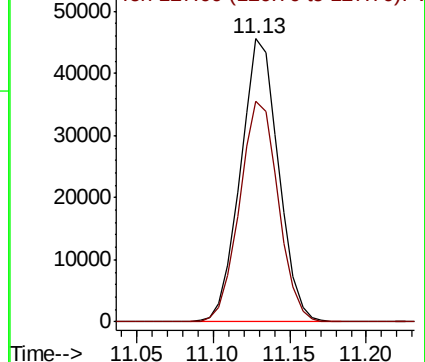
Ion Ratio Lower Upper

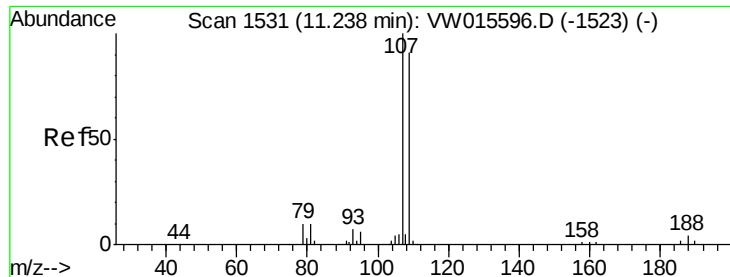
129 100

127 77.7 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

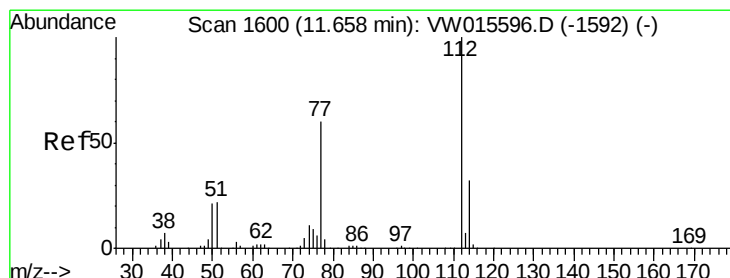
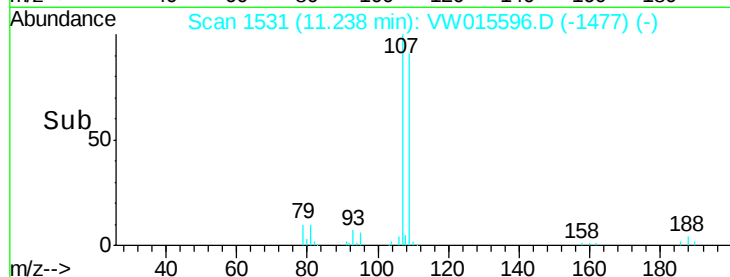
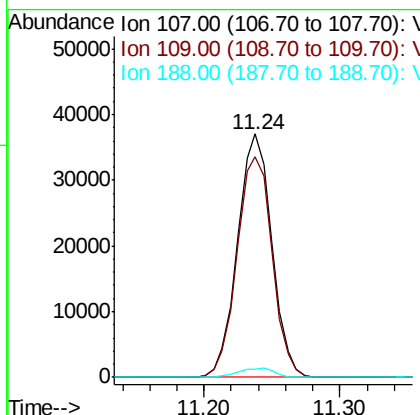
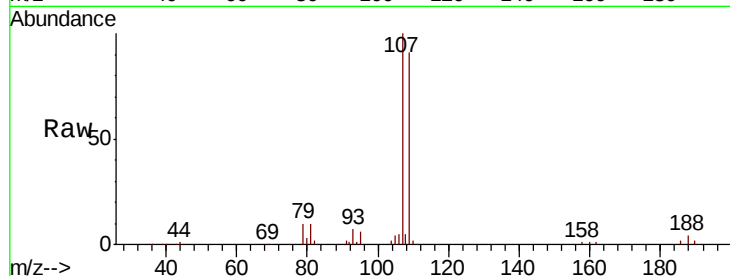




#51
1,2-Dibromoethane
Concen: 23.243 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

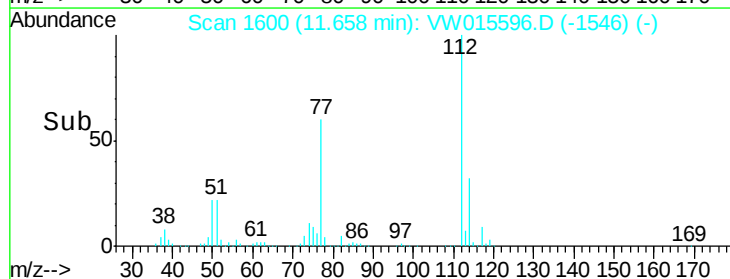
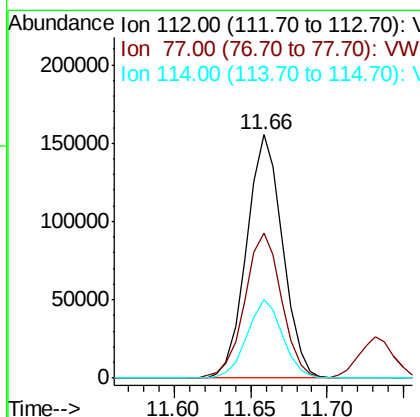
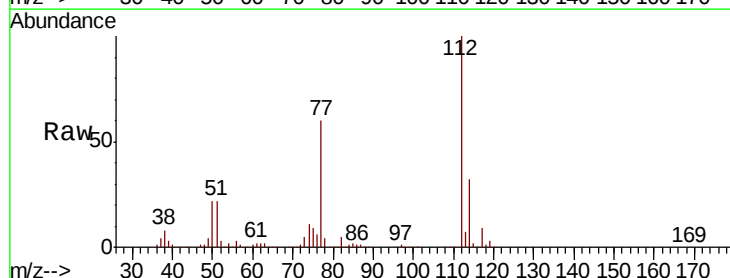
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

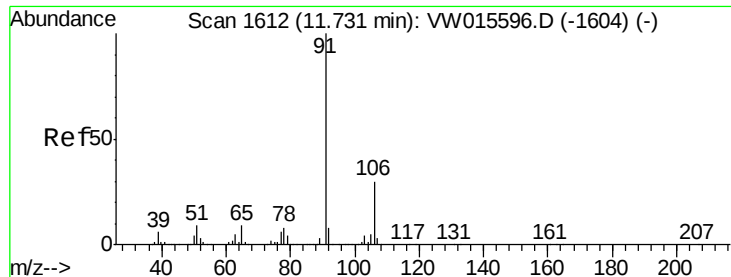
Tot Ion	107	Resp	65150
Ion Ratio	Lower	Upper	
107	100		
109	90.7	64.6	120.0
188	3.6	2.8	4.2



#52
Chlorobenzene
Concen: 21.967 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

Tgt Ion	112	Resp	254408
Ion Ratio	Lower	Upper	
112	100		
77	59.7	49.7	74.5
114	32.1	21.8	40.6





#53

Ethylbenzene

Concen: 21.680 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

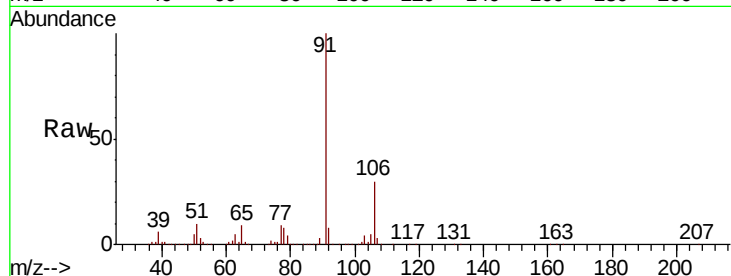
VSTD02529

Tot Ion: 91 Resp: 459650

Ion Ratio Lower Upper

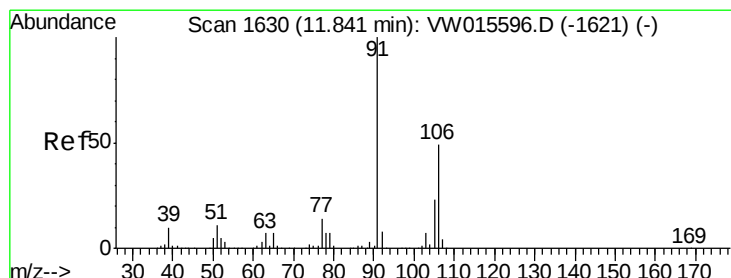
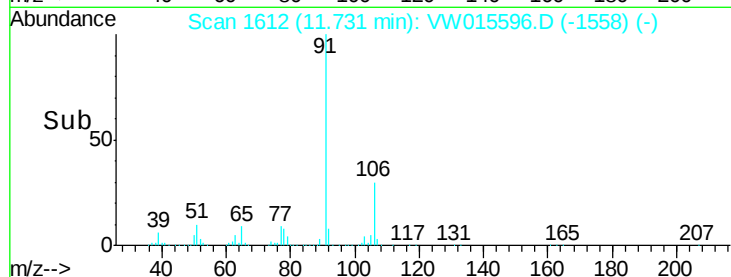
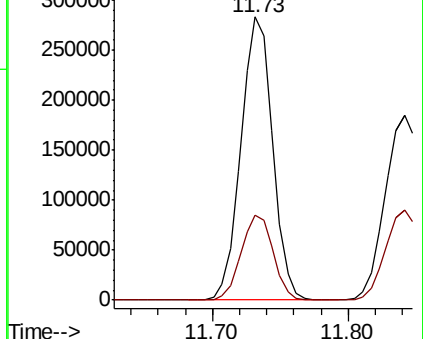
91 100

106 30.0 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 21.567 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015596.D

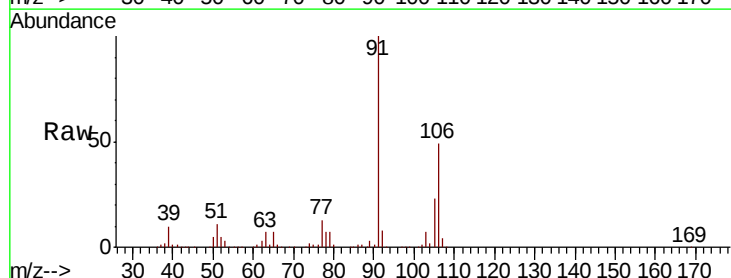
Acq: 12 Jun 2020 09:53

Tgt Ion: 106 Resp: 171581

Ion Ratio Lower Upper

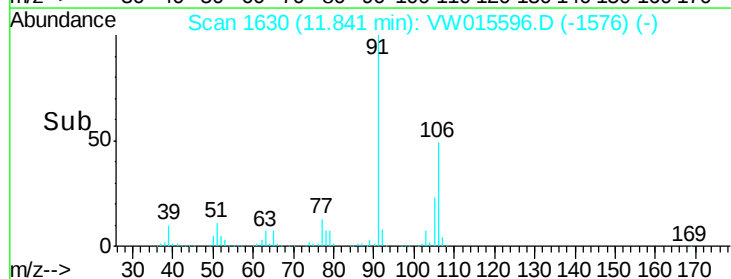
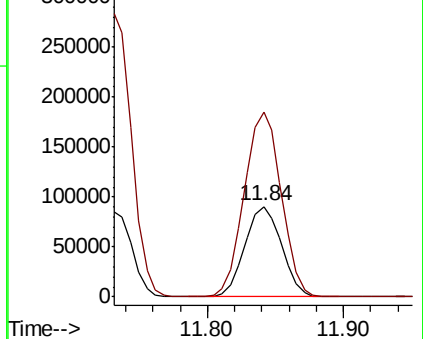
106 100

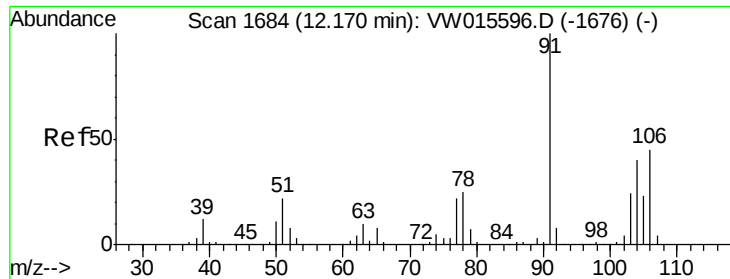
91 204.2 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

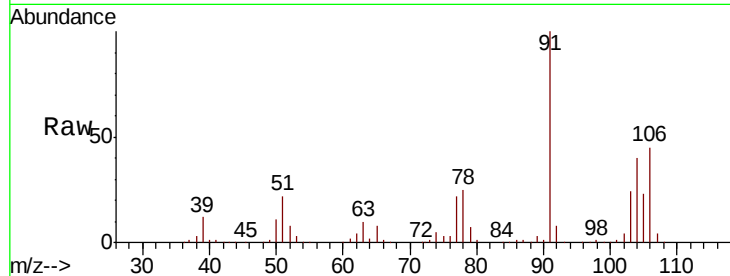




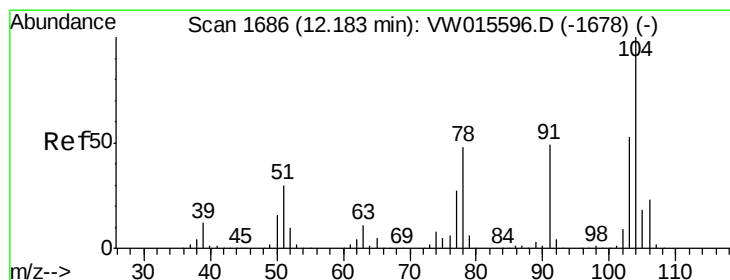
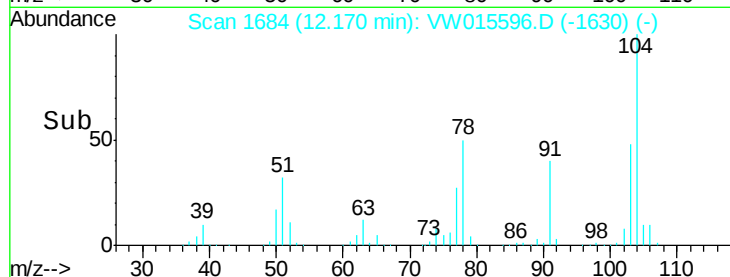
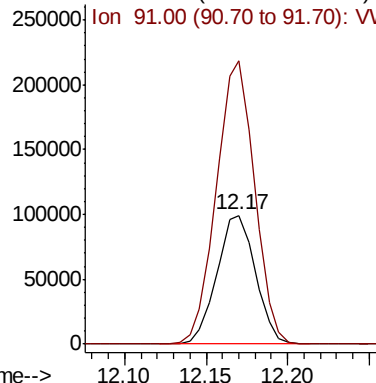
#55
o-xylene
Concen: 21.694 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

Instrument :
MSVOA_W
ClientSampled :
VSTD02529

Tot Ion:106 Resp: 163825
Ion Ratio Lower Upper
106 100
91 219.9 149.0 276.6

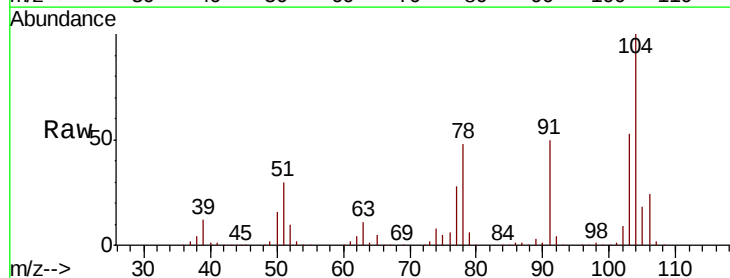


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

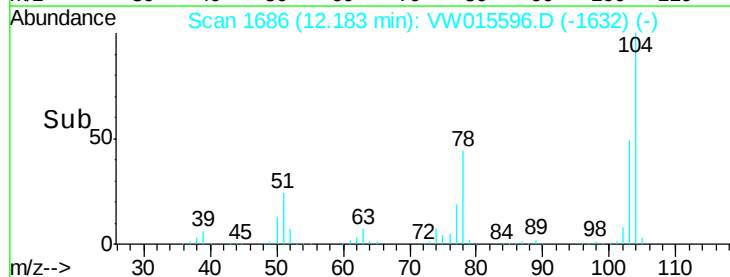
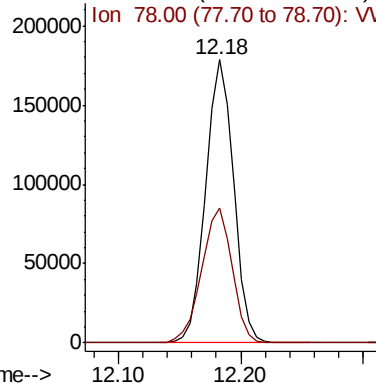


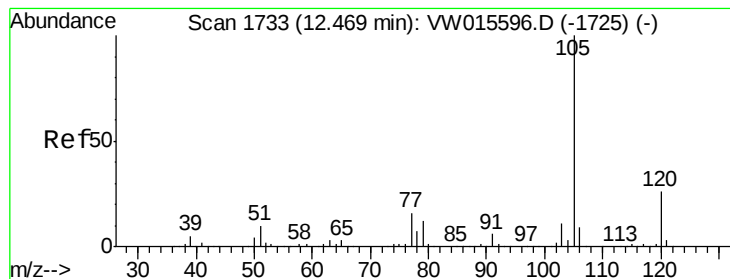
#56
Styrene
Concen: 21.791 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015596.D
Acq: 12 Jun 2020 09:53

Tgt Ion:104 Resp: 281179
Ion Ratio Lower Upper
104 100
78 47.7 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: 22.013 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

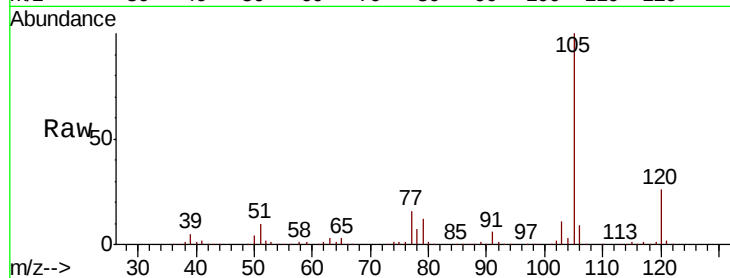
Tot Ion:105 Resp: 463061

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

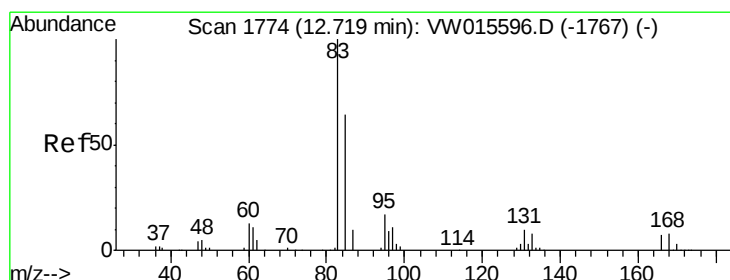
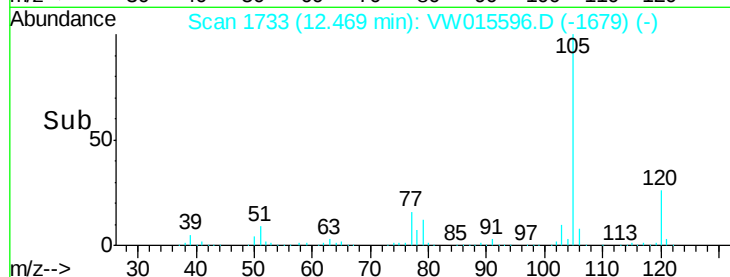
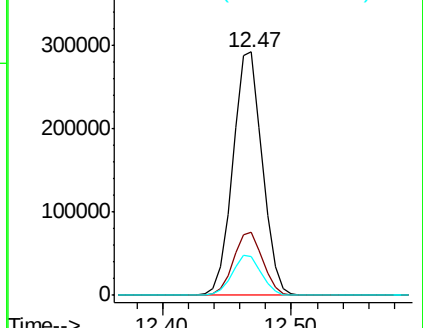
77 16.2 13.0 19.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 24.505 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

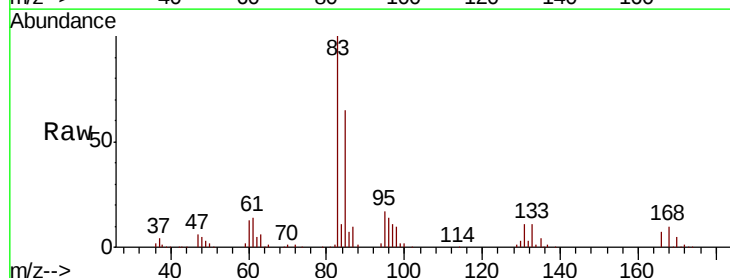
Tgt Ion: 83 Resp: 82834

Ion Ratio Lower Upper

83 100

85 64.8 44.7 82.9

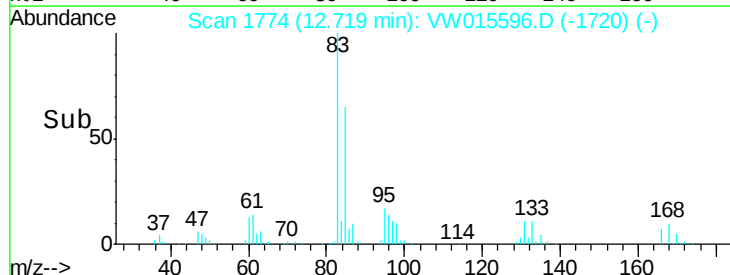
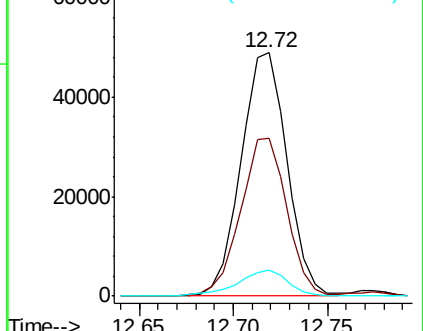
131 10.7 9.1 13.7

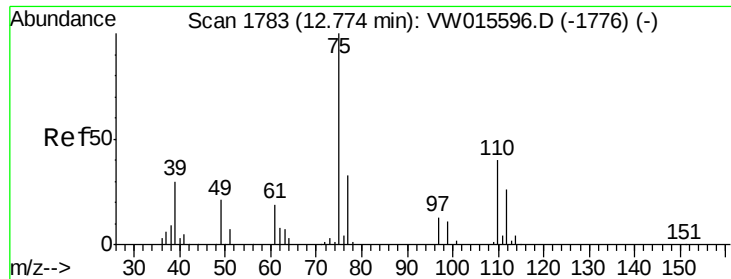


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.067 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

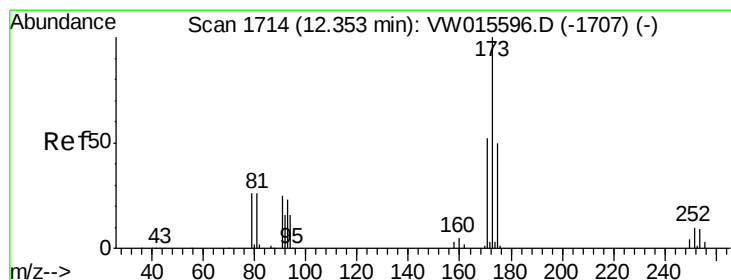
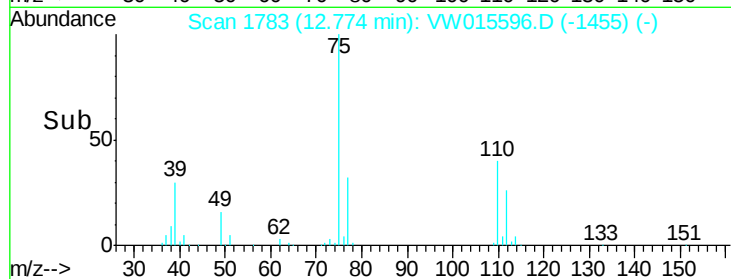
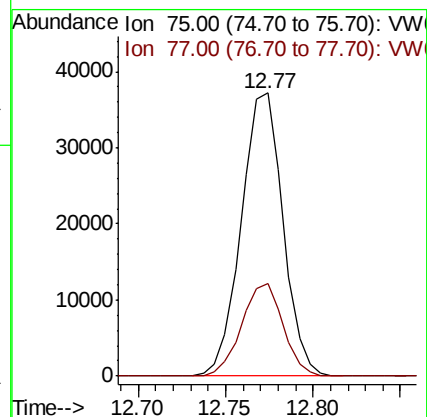
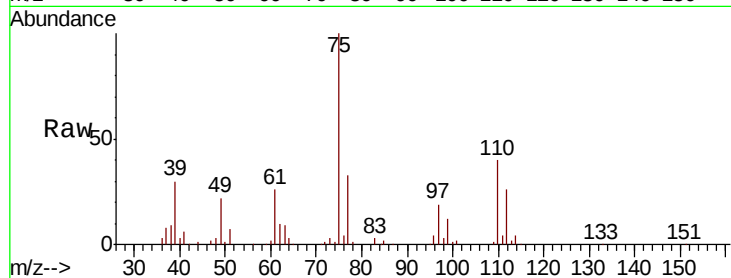
VSTD02529

Tot Ion: 75 Resp: 61686

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 20.810 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

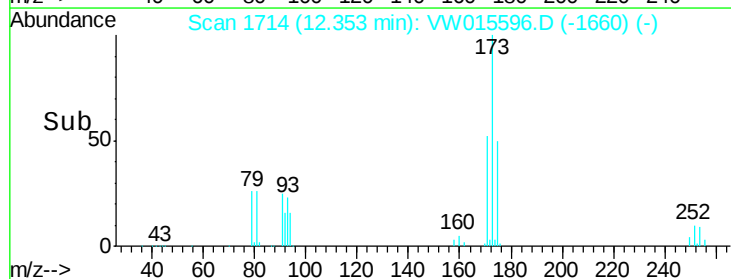
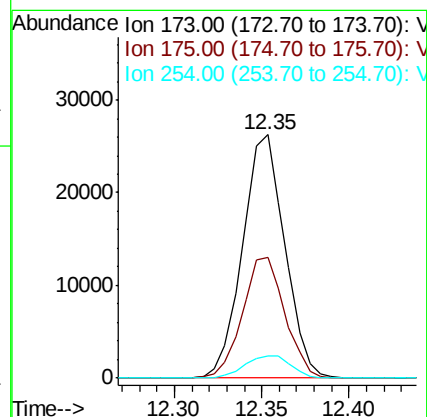
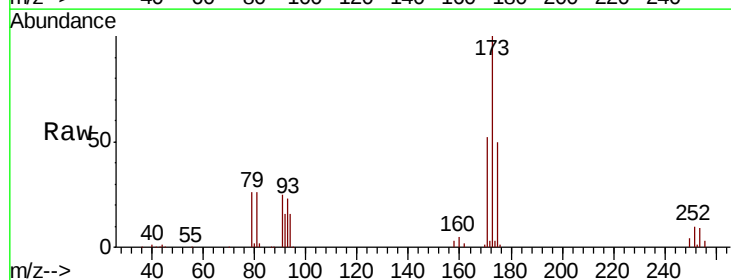
Tgt Ion: 173 Resp: 44004

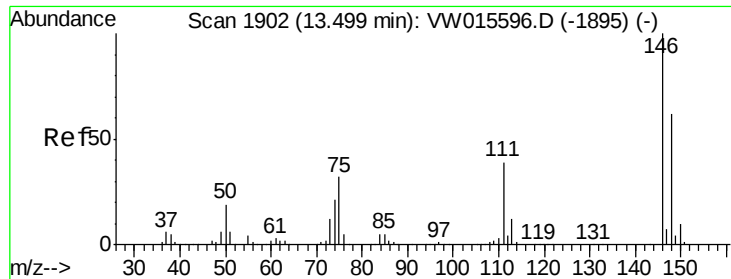
Ion Ratio Lower Upper

173 100

175 49.8 37.9 56.9

254 10.1 6.8 10.2

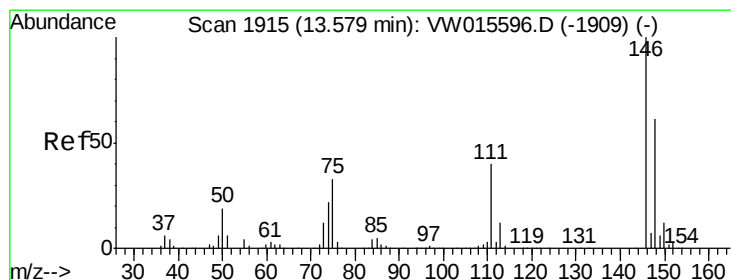
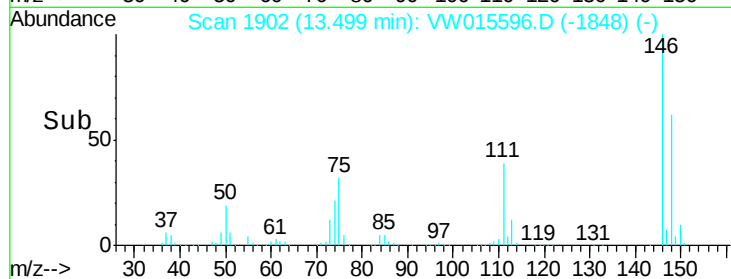
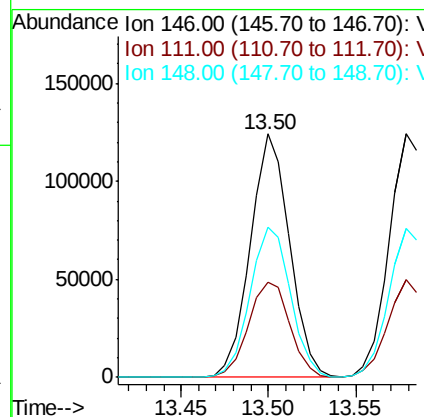
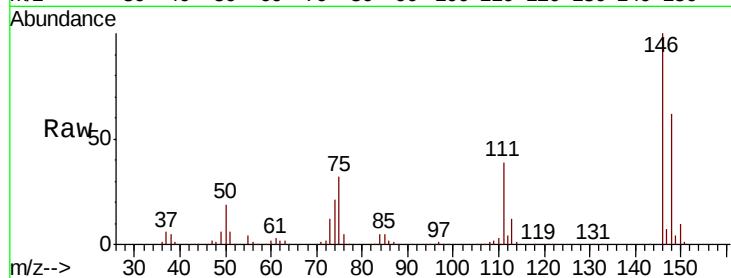




#63
 1,3-Dichlorobenzene
 Concen: 20.979 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

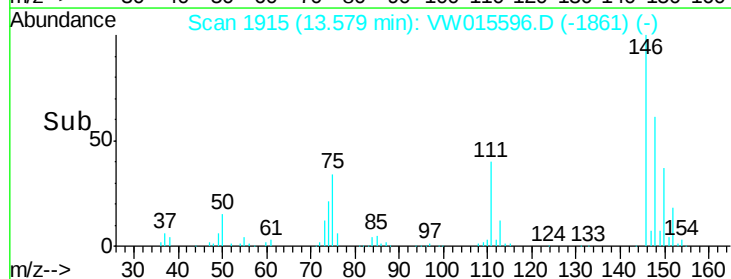
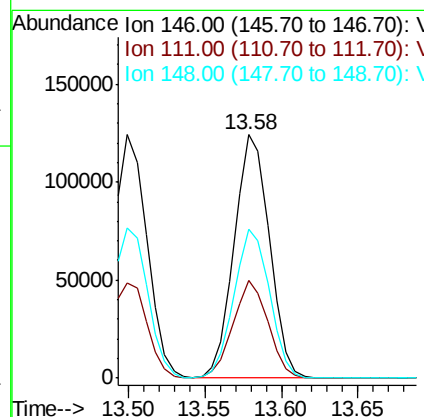
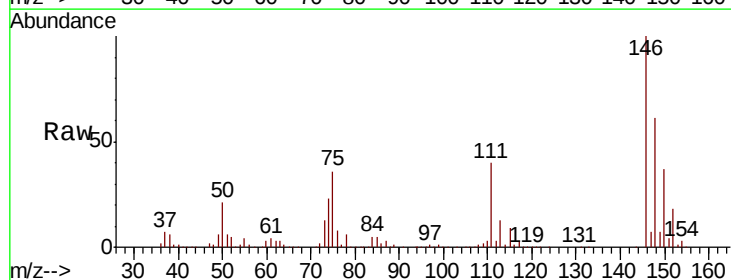
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

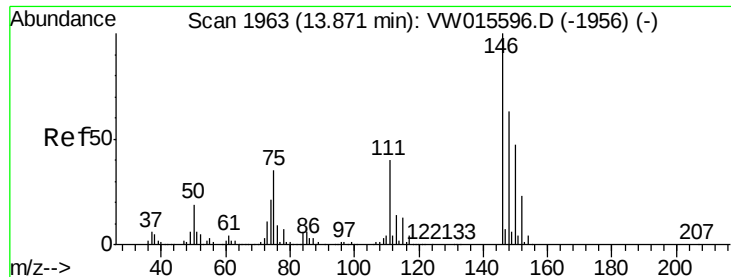
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	29.3	54.5
148	61.9	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 21.847 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.1	52.1
148	61.3	43.3	80.3





#65

1,2-Dichlorobenzene

Concen: 22.175 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

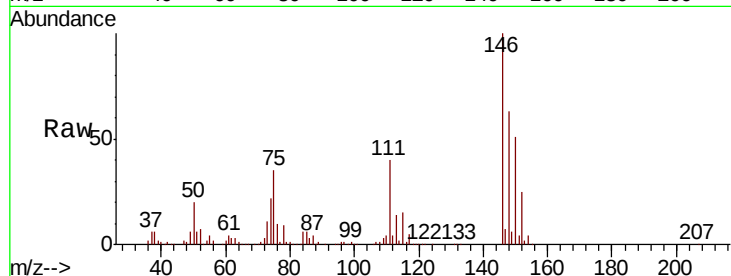
Tot Ion:146 Resp: 178959

Ion Ratio Lower Upper

146 100

111 39.7 34.9 52.3

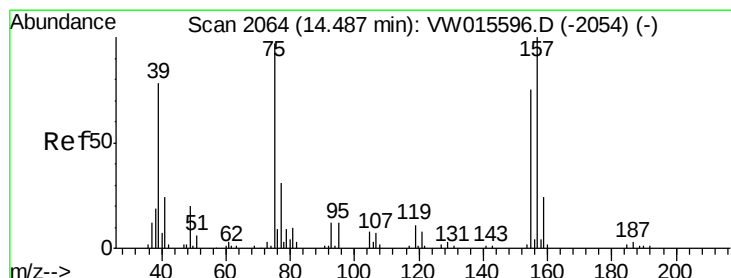
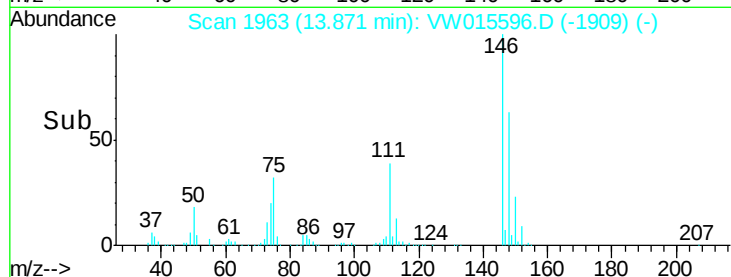
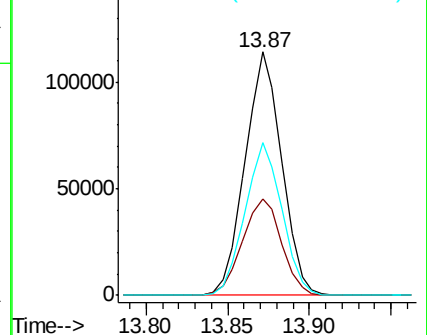
148 62.6 51.8 77.8



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: 21.870 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

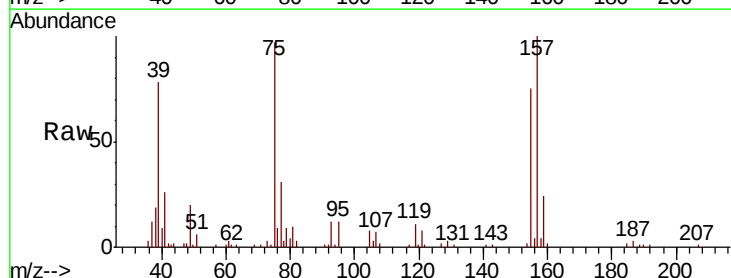
Tgt Ion: 75 Resp: 13389

Ion Ratio Lower Upper

75 100

157 103.2 87.4 131.0

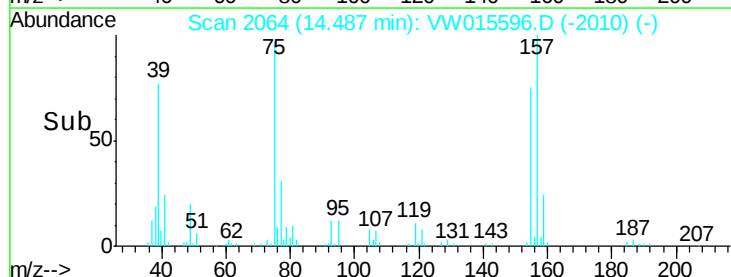
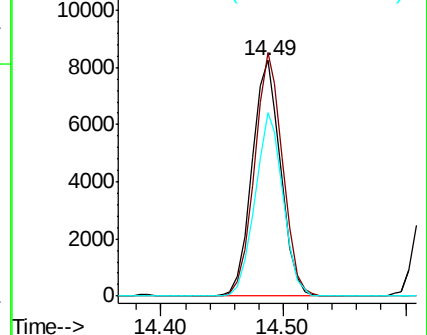
155 77.7 64.6 96.8

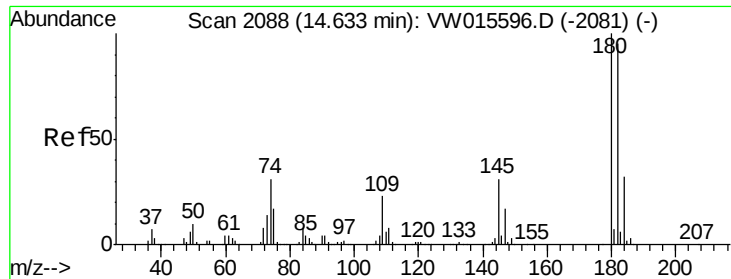


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

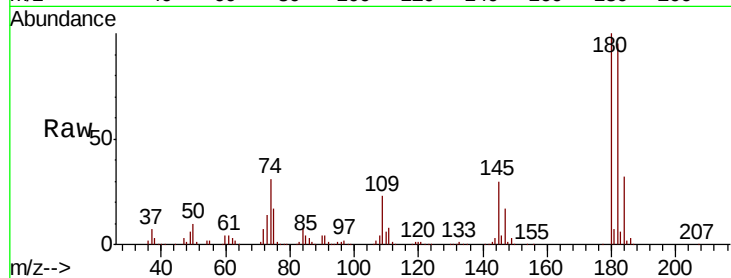




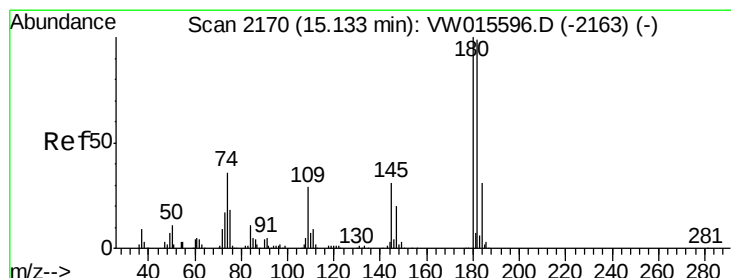
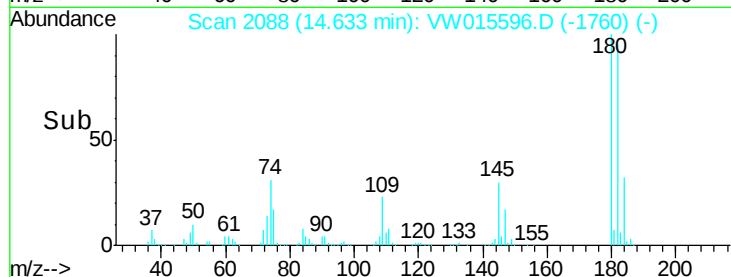
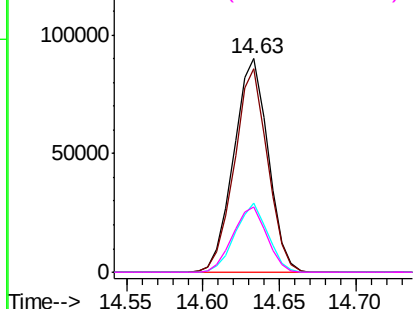
#67
 1,3,5-Trichlorobenzene
 Concen: 21.844 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion:180	Resp:	140450
Ion	Ratio	Lower Upper
180	100	
182	92.4	76.6 114.8
184	30.6	24.4 36.6
145	30.4	24.0 36.0

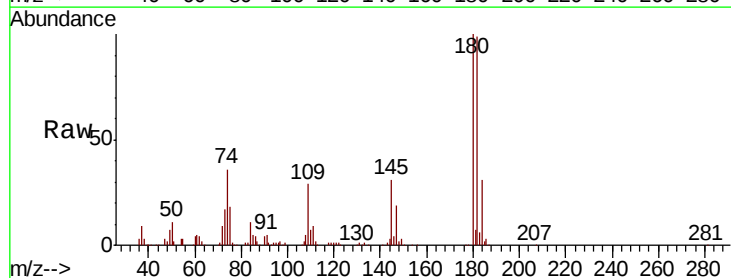


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

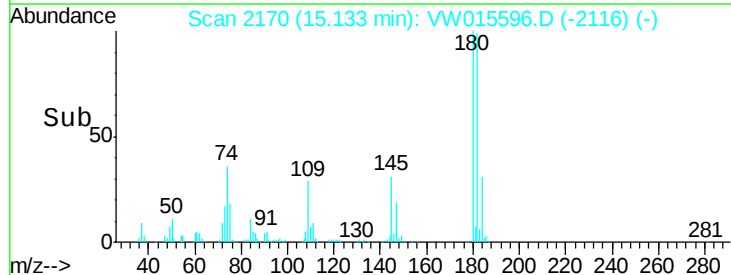
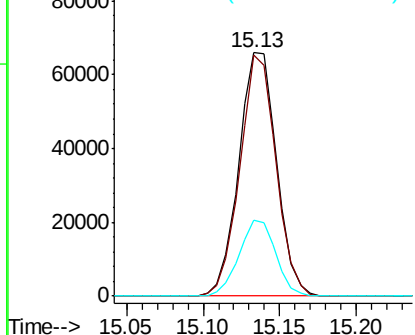


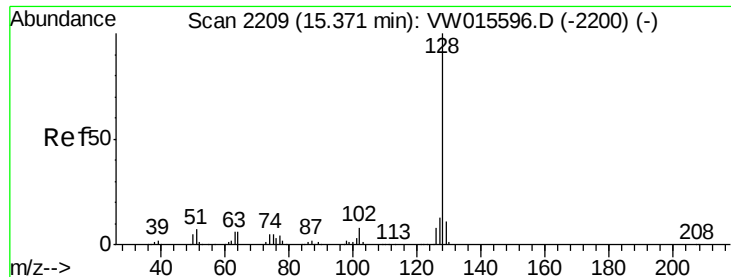
#68
 1,2,4-trichlorobenzene
 Concen: 21.752 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015596.D
 Acq: 12 Jun 2020 09:53

Tgt Ion:180	Resp:	112641
Ion	Ratio	Lower Upper
180	100	
182	95.2	76.1 114.1
145	30.5	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: 22.817 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

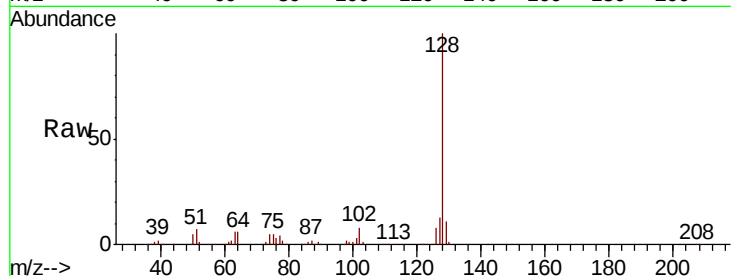
Tot Ion:128 Resp: 214543

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

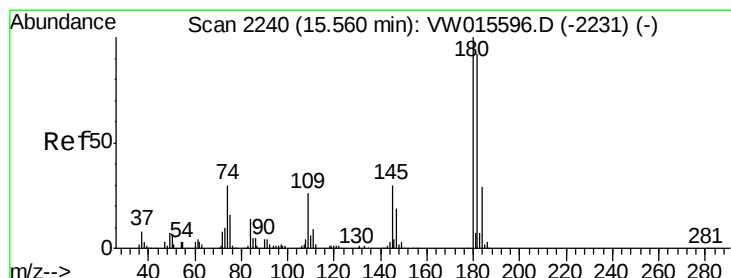
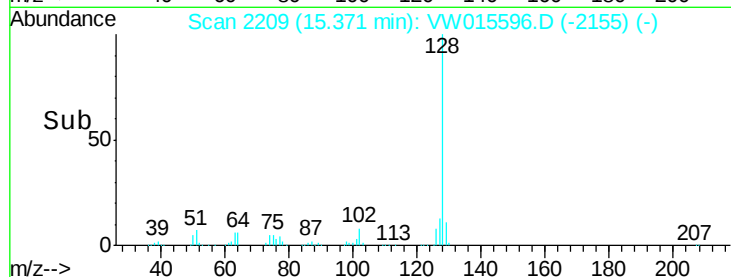
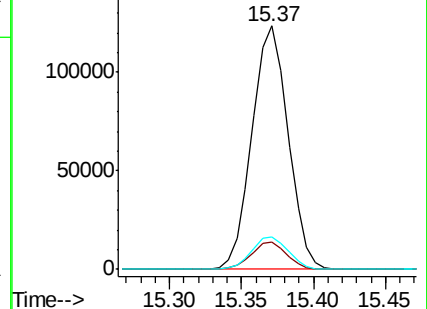
127 13.4 10.6 15.8



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: 22.061 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015596.D

Acq: 12 Jun 2020 09:53

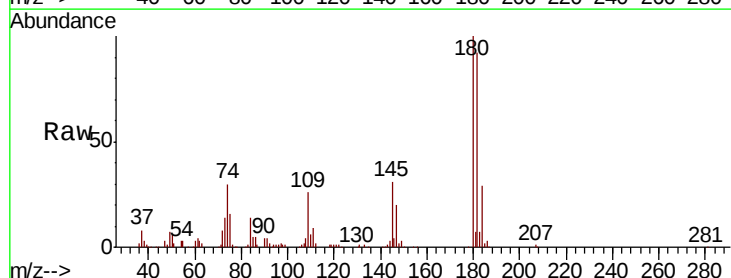
Tgt Ion:180 Resp: 97191

Ion Ratio Lower Upper

180 100

182 97.8 75.4 113.2

145 33.2 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

