

Data File : VW015638.D
Acq On : 19 Jun 2020 10:07
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Jun 20 00:43:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 19 07:30:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	327547	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298143	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	150076	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	63663	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.84%
7) Chloroethane-d5	2.90	69	78253	26.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.84%
10) 1,1-Dichloroethene-d2	4.02	63	171166	23.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.60%
20) 2-Butanone-d5	7.08	46	54826	55.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.88%
24) Chloroform-d	7.65	84	204507	27.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	8.31	65	110343	26.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.72%
29) Benzene-d6	8.27	84	374419	25.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.44%
33) 1,2-Dichloropropane-d6	9.27	67	116858	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.20%
37) Toluene-d8	10.32	98	352359	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	10.58	79	45893	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.32%
39) 2-Hexanone-d5	10.93	63	43932	57.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93851	28.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	127991	25.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	67081	23.182	ug/L 96
3) Chloromethane	2.22	50	67704	21.254	ug/L 98
5) Vinyl chloride	2.37	62	113004	23.590	ug/L 100
6) Bromomethane	2.79	94	72065	23.145	ug/L 99
8) Chloroethane	2.93	64	71562	24.541	ug/L 99
9) Trichlorofluoromethane	3.26	101	90760	26.623	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	96813	23.944	ug/L 99
12) 1,1-Dichloroethene	4.04	96	91205	23.352	ug/L 93
13) Acetone	4.12	43	48604	64.155	ug/L 100
14) Carbon disulfide	4.38	76	264025	20.264	ug/L 99
15) Methyl Acetate	4.68	43	37440	22.842	ug/L 98
16) Methylene chloride	4.92	84	100508	25.002	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	140592	22.684	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	99063	23.668	ug/L 99
19) 1,1-Dichloroethane	6.21	63	181670	24.131	ug/L 99
21) 2-Butanone	7.17	43	56047	48.158	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	104966	24.040	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	43891	23.311	ug/L	96
25) Chloroform	7.68	83	186759	24.637	ug/L	99
27) 1,2-Dichloroethane	8.40	62	122120	23.813	ug/L	100
30) Cyclohexane	7.96	56	163419	22.174	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	162099	24.303	ug/L	100
32) Carbon tetrachloride	8.07	117	147623	24.131	ug/L	100
34) Benzene	8.32	78	399783	23.978	ug/L	100
35) Trichloroethene	9.09	95	107194	23.935	ug/L	100
36) Methylcyclohexane	9.34	83	183359	22.955	ug/L	99
40) 1,2-Dichloropropane	9.37	63	98271	23.934	ug/L	99
41) Bromodichloromethane	9.65	83	130148	23.727	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	152575	23.221	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	109170	45.359	ug/L	99
44) Toluene	10.39	91	439759	24.209	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	131726	23.037	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	68835	23.963	ug/L	100
47) Tetrachloroethene	10.86	164	84830	23.895	ug/L	95
49) 2-Hexanone	10.97	43	79508	48.941	ug/L	100
50) Dibromochloromethane	11.13	129	83997	24.068	ug/L	100
51) 1,2-Dibromoethane	11.24	107	64561	23.411	ug/L	98
52) Chlorobenzene	11.66	112	279163	24.501	ug/L	96
53) Ethylbenzene	11.73	91	506256	24.271	ug/L	99
54) m,p-Xylene	11.84	106	193624	24.738	ug/L	99
55) o-xylene	12.17	106	183256	24.667	ug/L	98
56) Styrene	12.18	104	312138	24.588	ug/L	97
57) Isopropylbenzene	12.47	105	514668	24.869	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	80889	24.323	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	60808	24.115	ug/L	99
62) Bromoform	12.35	173	46285	22.135	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	217463	23.680	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	213962	23.778	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	195066	24.443	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	12790	21.127	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	151852	23.884	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	122398	23.902	ug/L	99
69) Naphthalene	15.37	128	205939	22.149	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	105830	24.293	ug/L	99

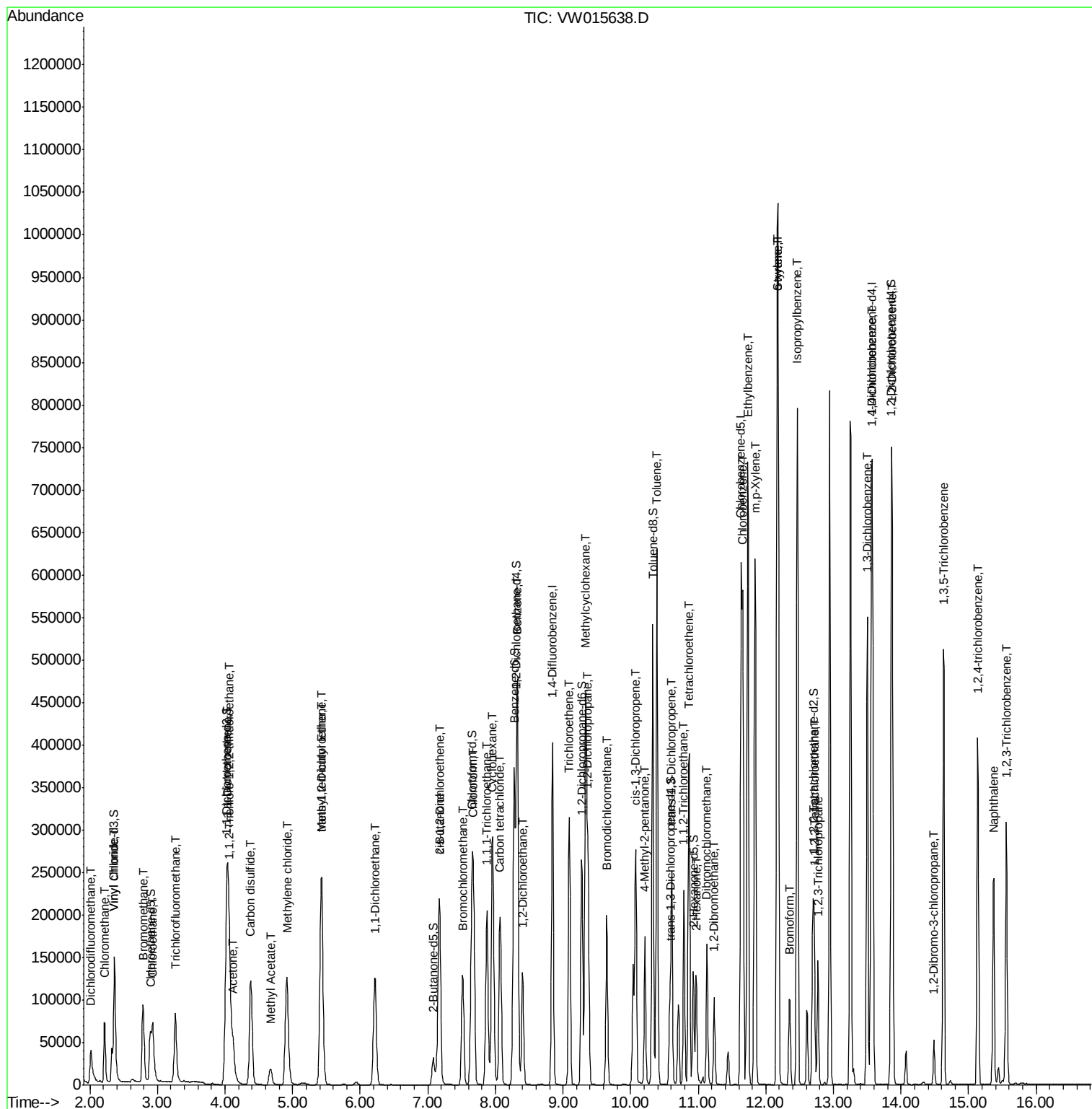
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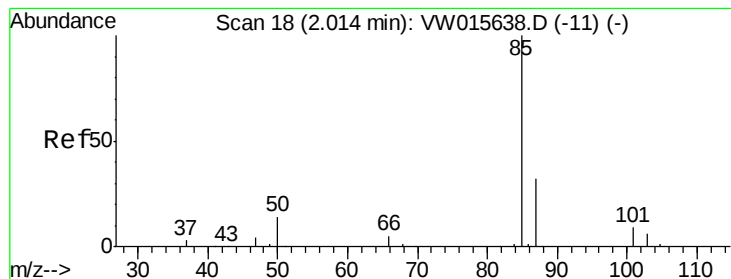
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#2

Dichlorodifluoromethane

Concen: 23.182 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

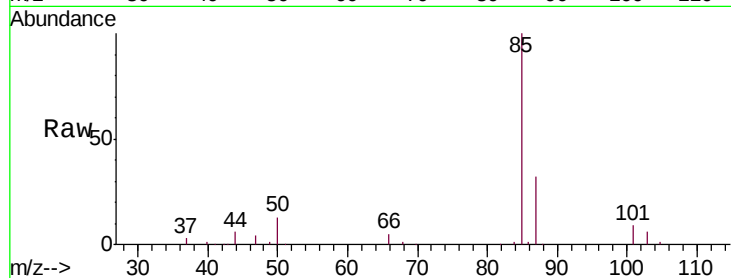
VSTD02514

Tgt Ion: 85 Resp: 67081

Ion Ratio Lower Upper

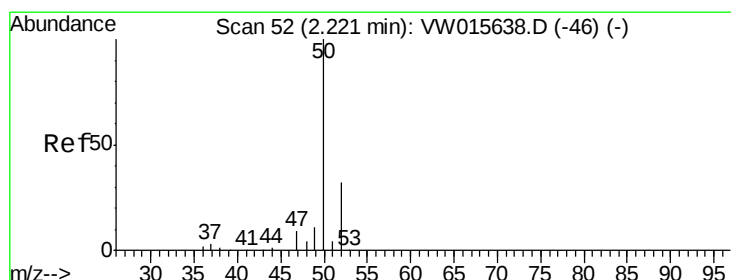
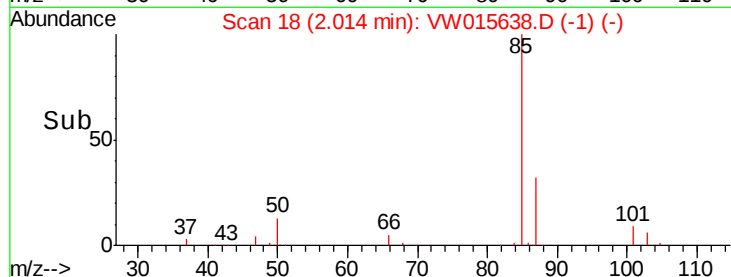
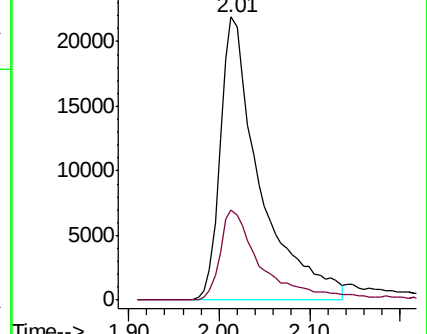
85 100

87 32.5 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: 21.254 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015638.D

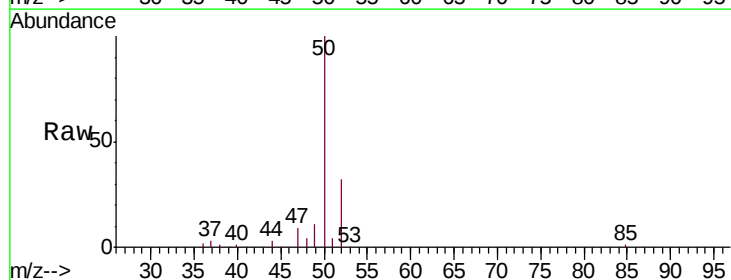
Acq: 19 Jun 2020 10:07

Tgt Ion: 50 Resp: 67704

Ion Ratio Lower Upper

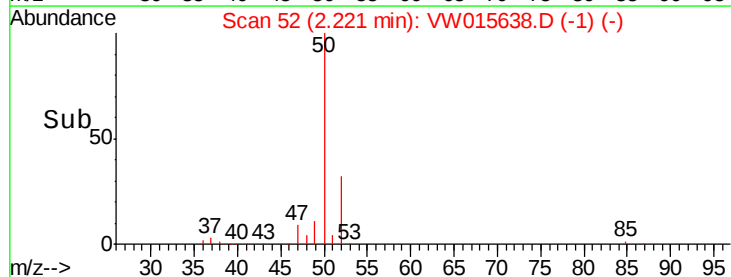
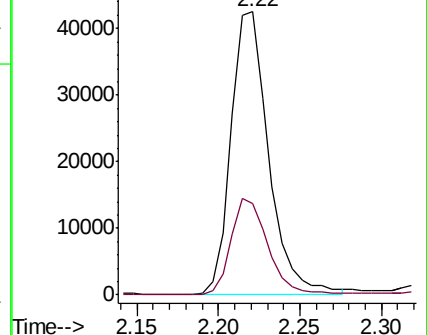
50 100

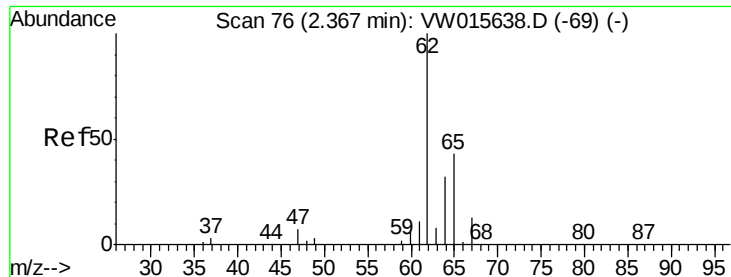
52 32.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.590 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015638.D

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ClientSampleId :

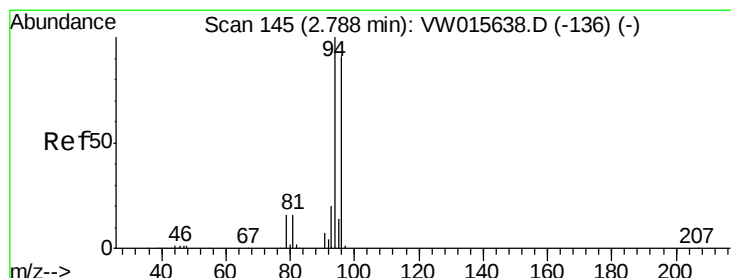
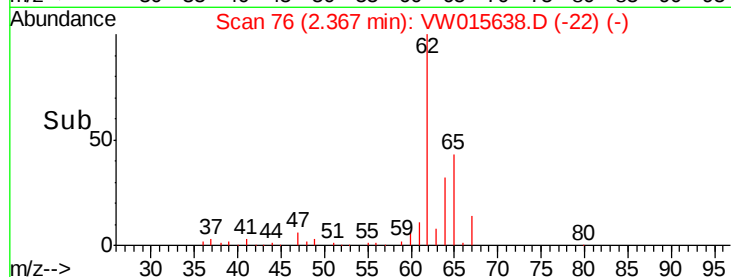
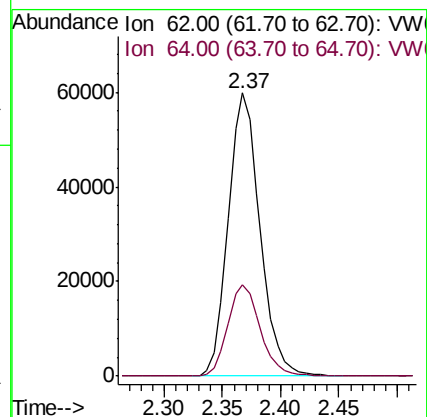
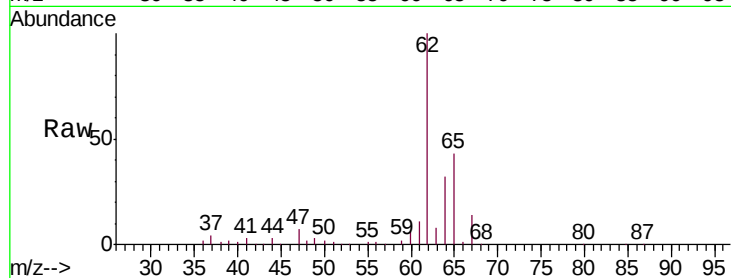
VSTD02514

Tgt Ion: 62 Resp: 113004

Ion Ratio Lower Upper

62 100

64 32.3 22.6 42.0



#6

Bromomethane

Concen: 23.145 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015638.D

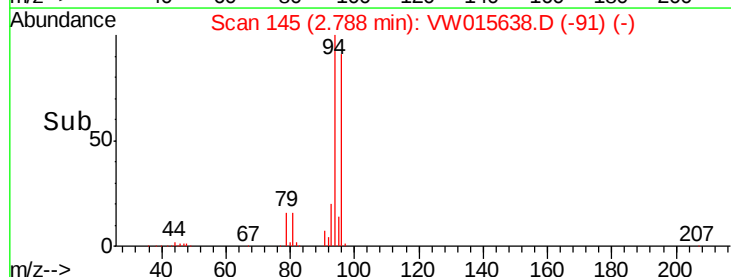
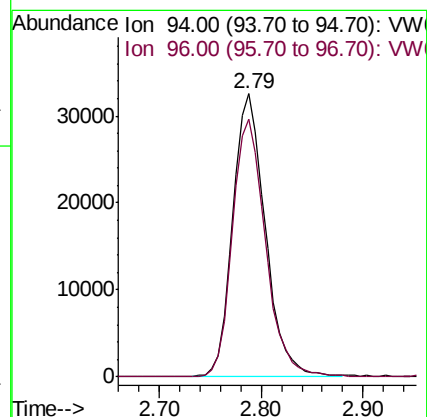
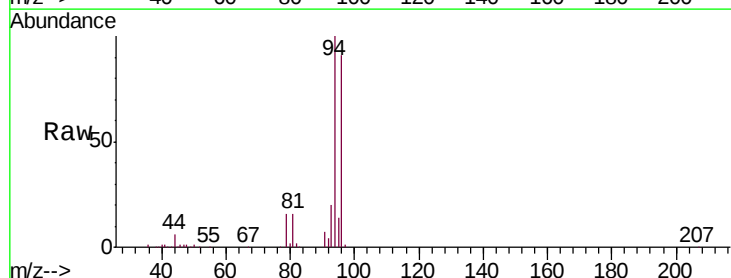
Acq: 19 Jun 2020 10:07

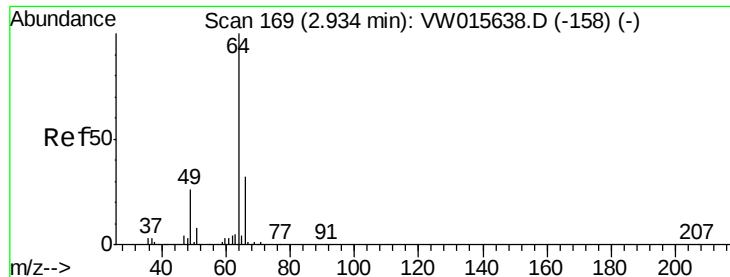
Tgt Ion: 94 Resp: 72065

Ion Ratio Lower Upper

94 100

96 92.3 9.3 177.5

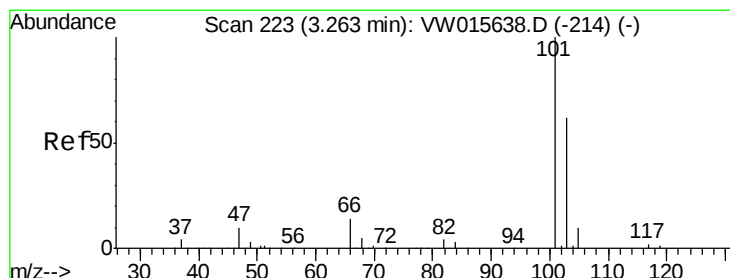
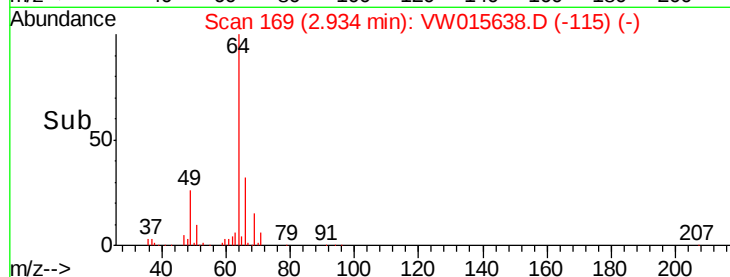
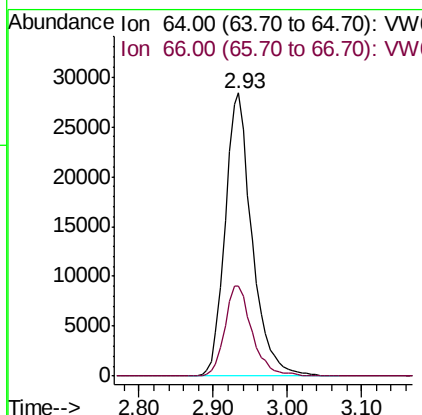
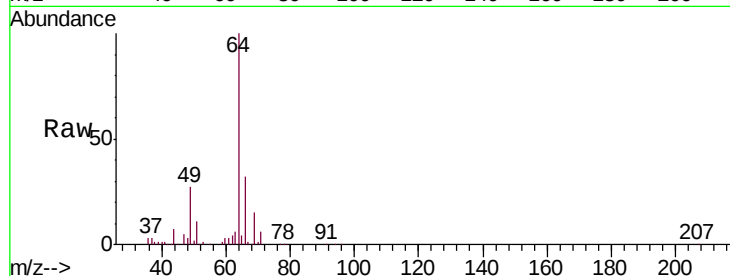




#8
Chloroethane
Concen: 24.541 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

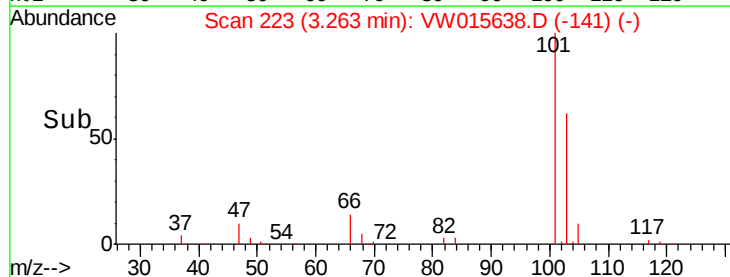
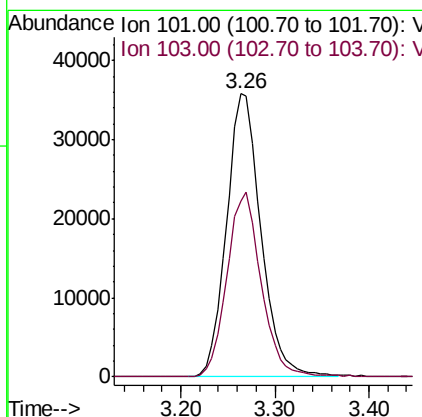
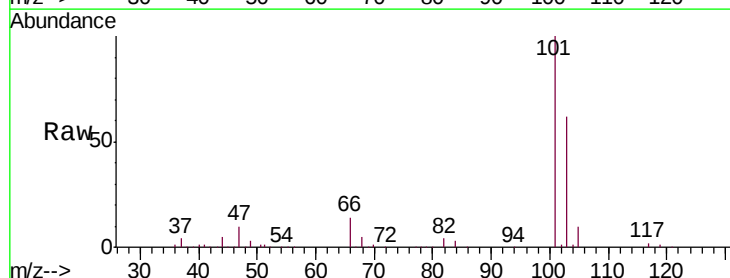
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

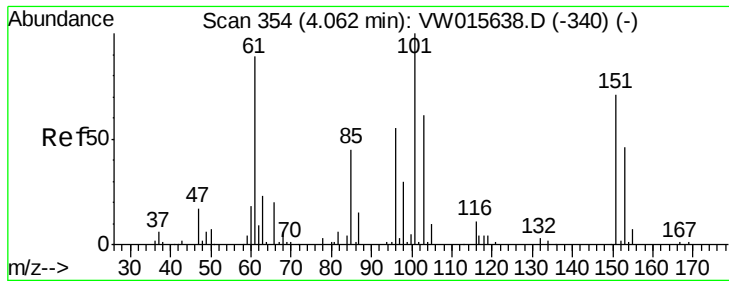
Tgt Ion: 64 Resp: 71562
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 26.623 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

Tgt Ion: 101 Resp: 90760
Ion Ratio Lower Upper
101 100
103 64.7 46.6 86.6





#11

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

Concen: 23.944 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

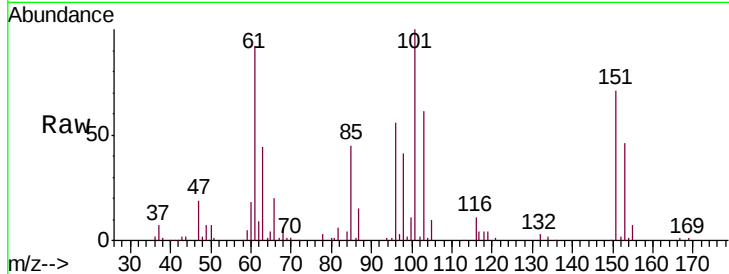
Tgt Ion: 101 Resp: 96813

Ion Ratio Lower Upper

101 100

85 45.3 35.1 52.7

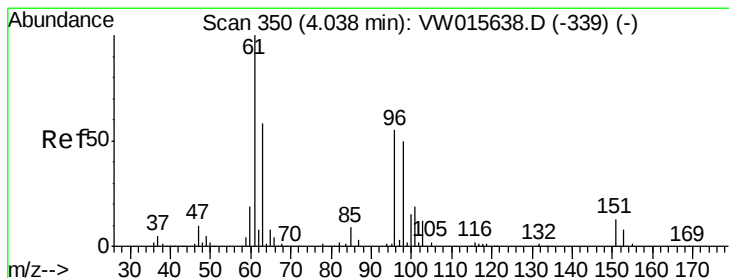
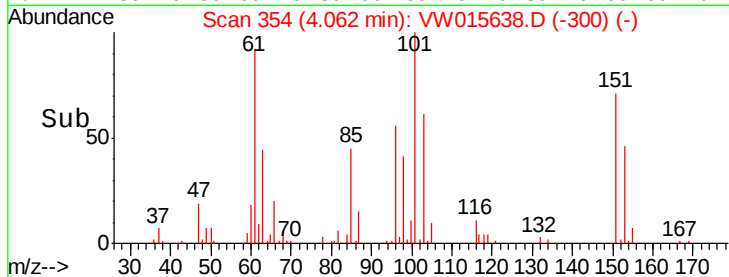
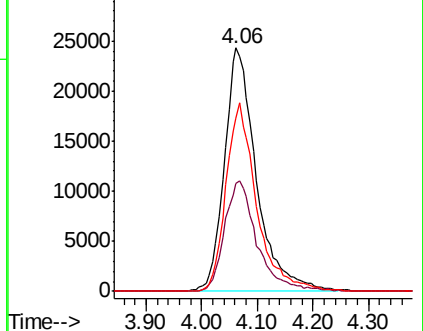
151 73.8 58.6 87.8



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: 23.352 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

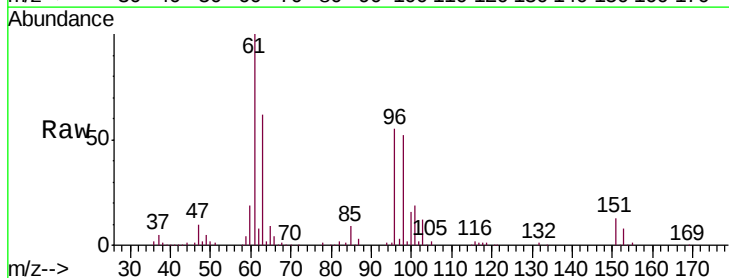
Tgt Ion: 96 Resp: 91205

Ion Ratio Lower Upper

96 100

61 183.4 127.7 237.1

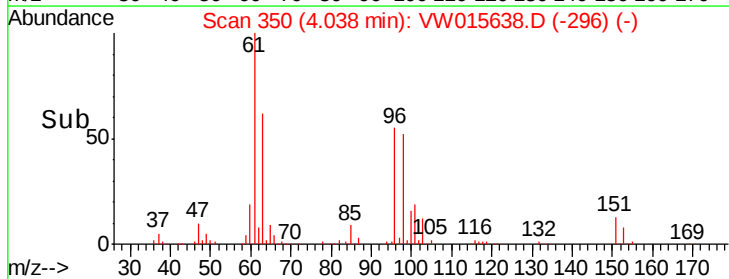
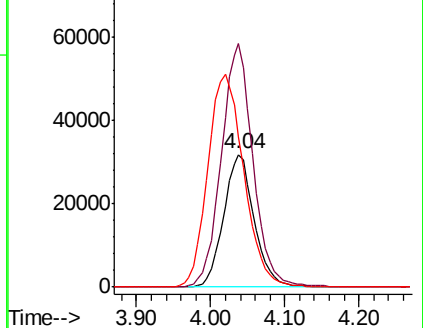
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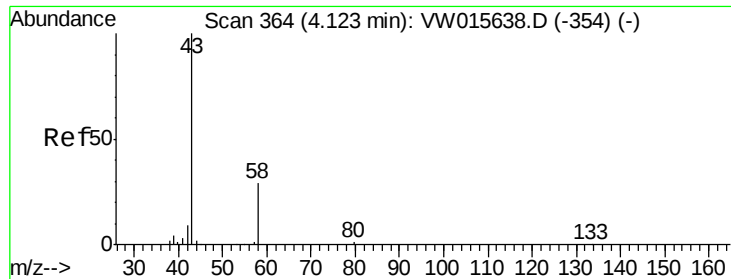


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 64.155 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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ClientSampleId :

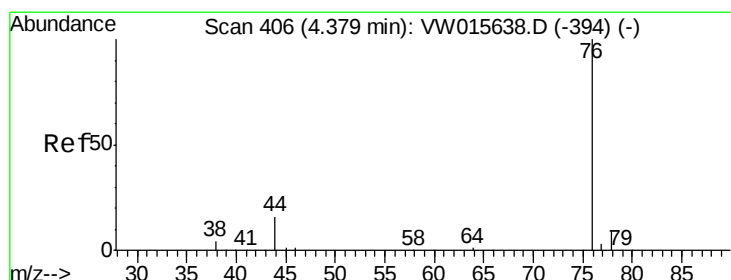
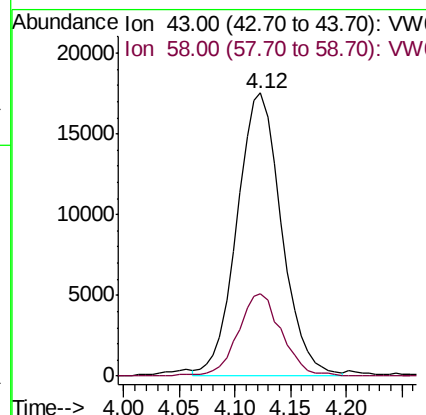
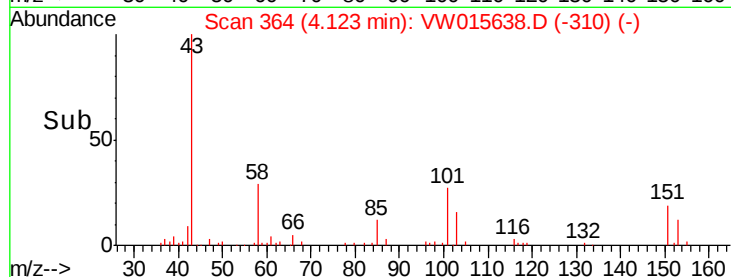
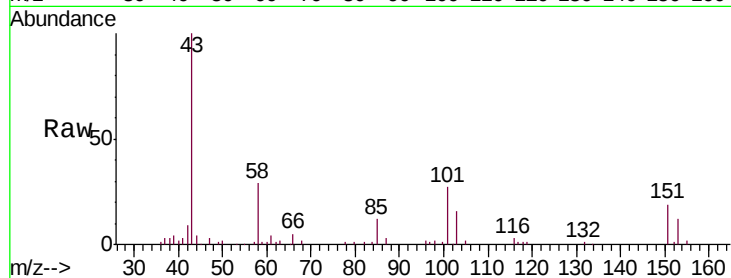
VSTD02514

Tgt Ion: 43 Resp: 48604

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.8



#14

Carbon disulfide

Concen: 20.264 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015638.D

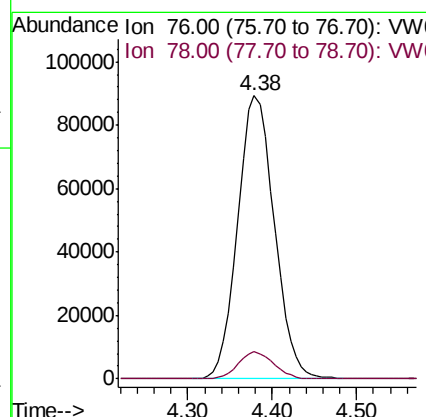
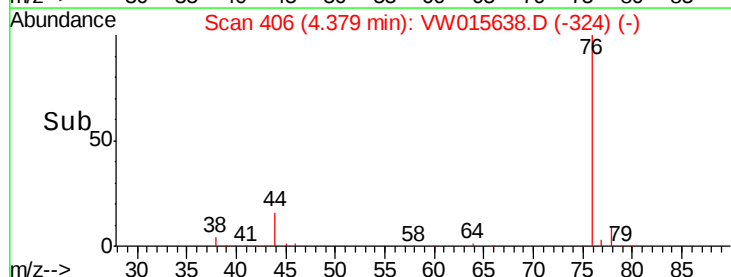
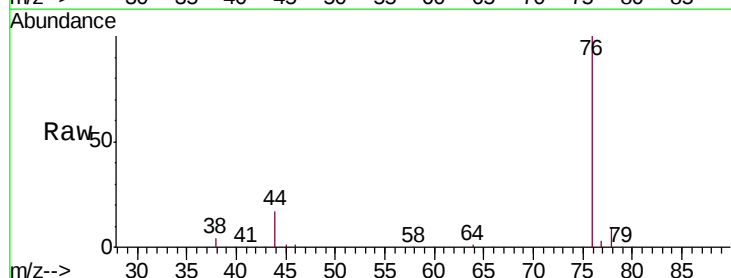
Acq: 19 Jun 2020 10:07

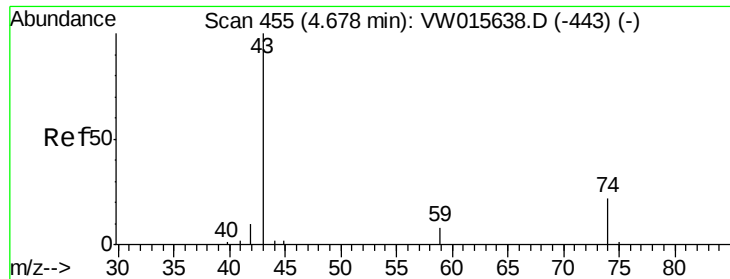
Tgt Ion: 76 Resp: 264025

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

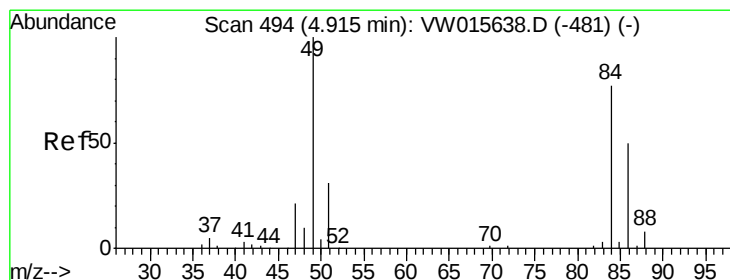
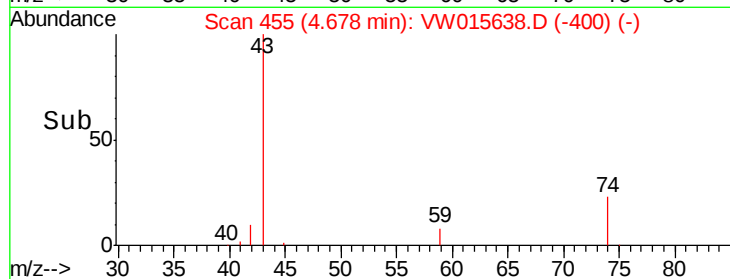
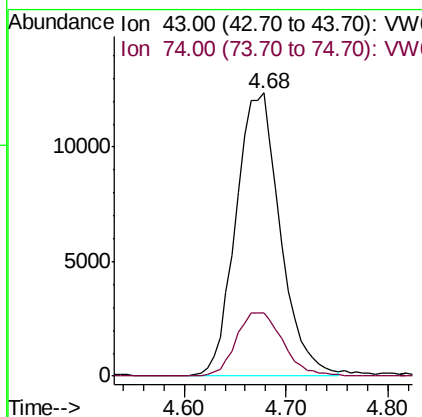
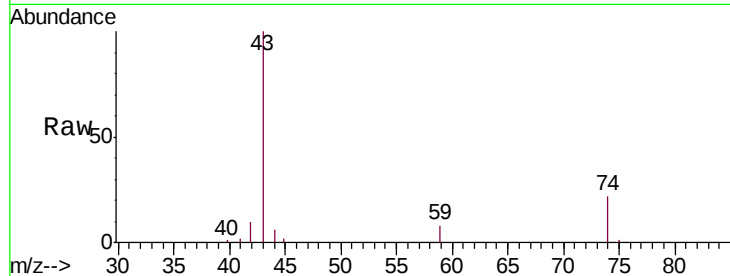




#15
Methyl Acetate
Concen: 22.842 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

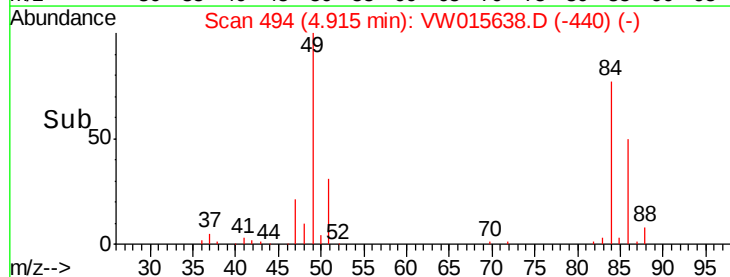
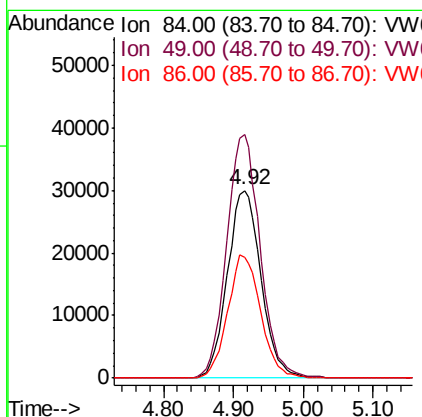
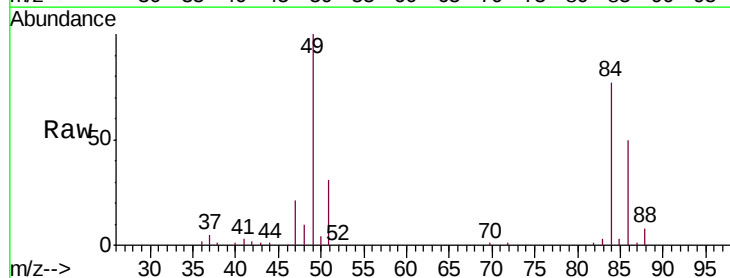
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

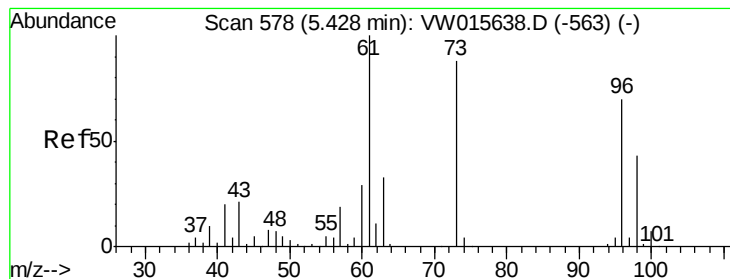
Tgt Ion: 43 Resp: 37440
Ion Ratio Lower Upper
43 100
74 23.6 18.2 27.2



#16
Methylene chloride
Concen: 25.002 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

Tgt Ion: 84 Resp: 100508
Ion Ratio Lower Upper
84 100
49 129.6 93.0 172.8
86 64.4 44.7 83.1





#17

Methyl tert-butyl Ether

Concen: 22.684 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

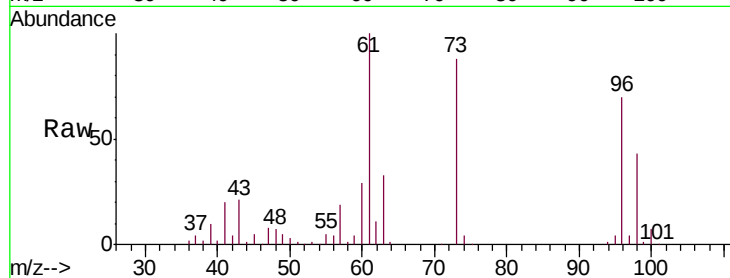
Tgt Ion: 73 Resp: 140592

Ion Ratio Lower Upper

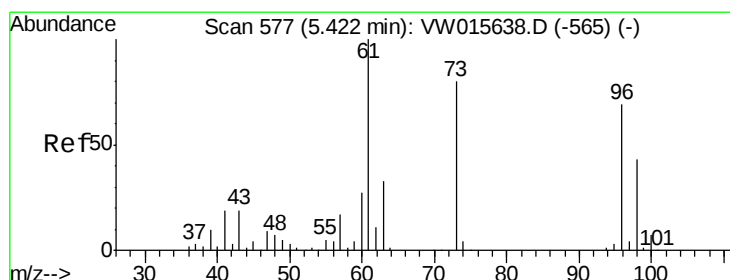
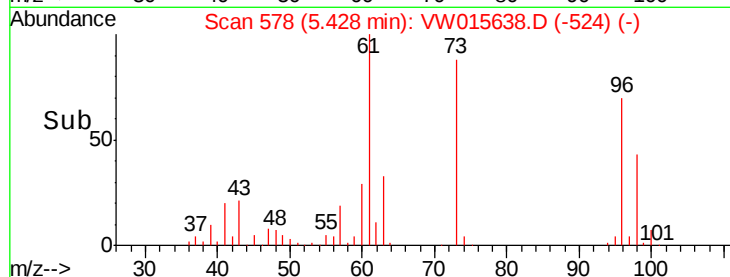
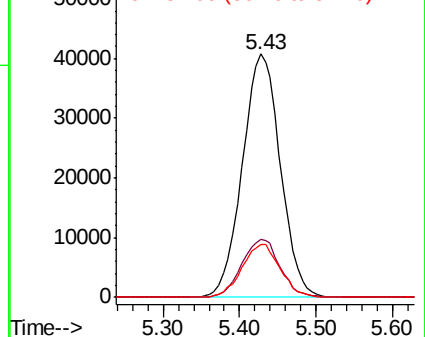
73 100

43 24.0 19.6 29.4

57 21.8 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: 23.668 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

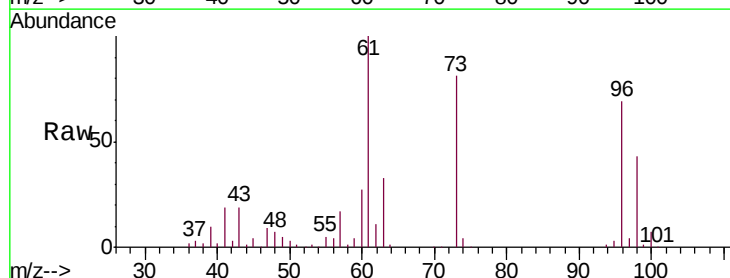
Tgt Ion: 96 Resp: 99063

Ion Ratio Lower Upper

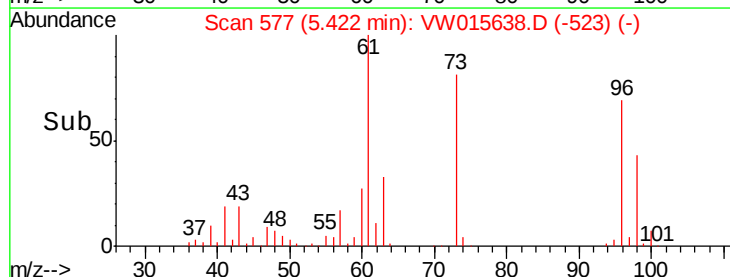
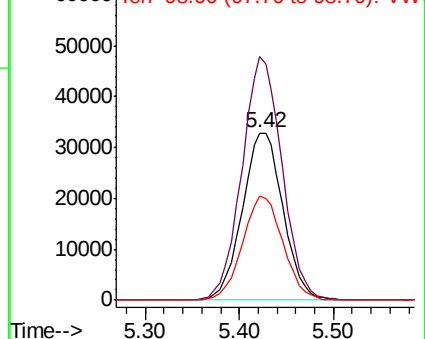
96 100

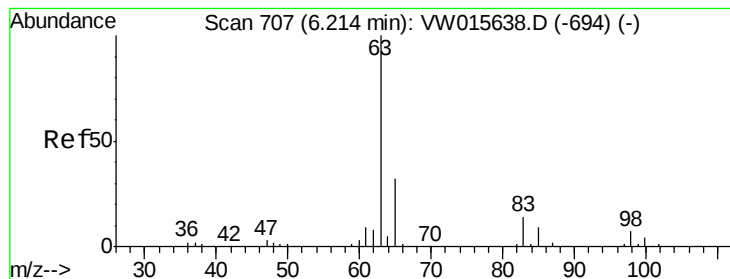
61 145.6 101.9 189.3

98 61.9 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: 24.131 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

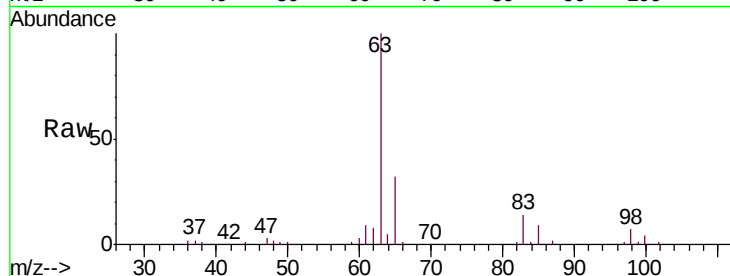
Tgt Ion: 63 Resp: 181670

Ion Ratio Lower Upper

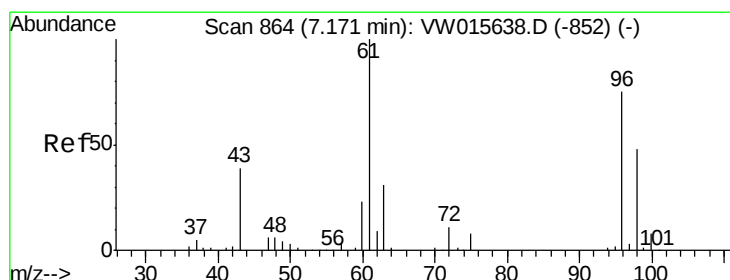
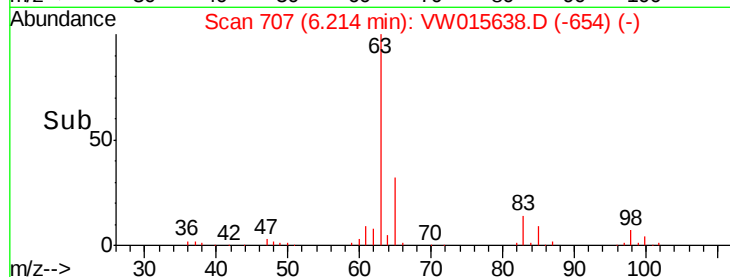
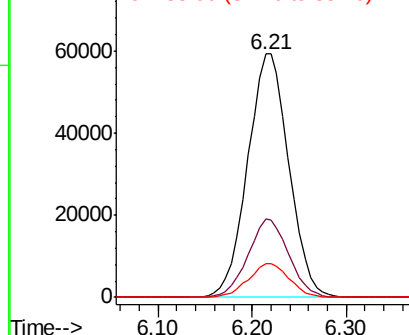
63 100

65 32.3 22.1 41.1

83 13.7 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: 48.158 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015638.D

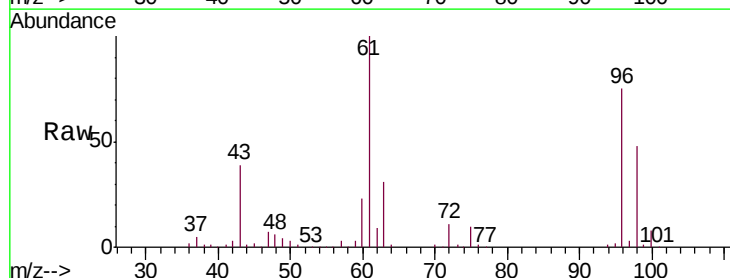
Acq: 19 Jun 2020 10:07

Tgt Ion: 43 Resp: 56047

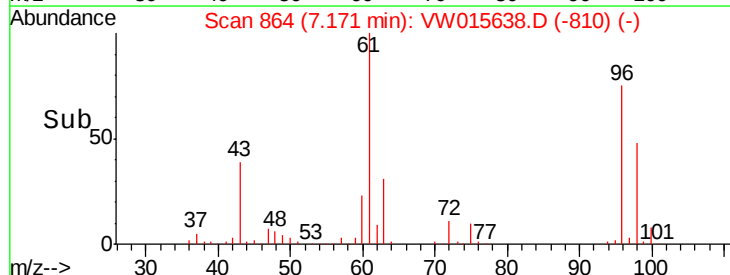
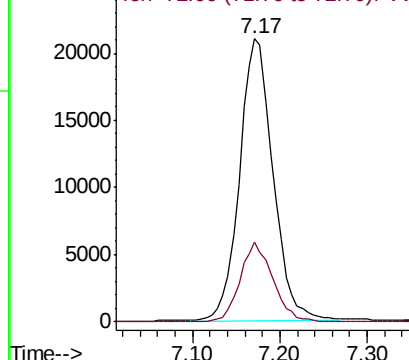
Ion Ratio Lower Upper

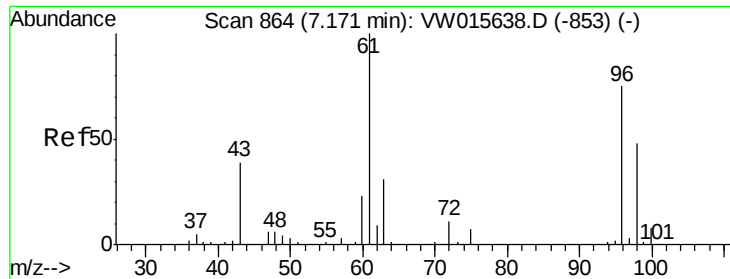
43 100

72 27.4 13.3 39.9



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



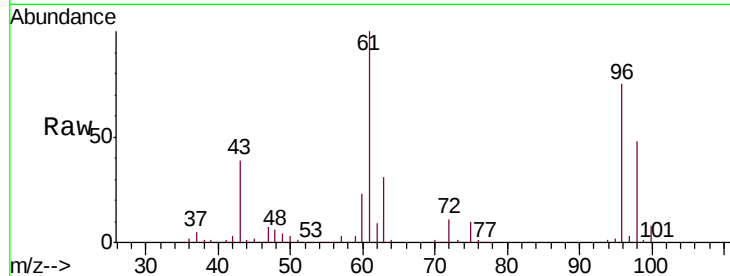


#22

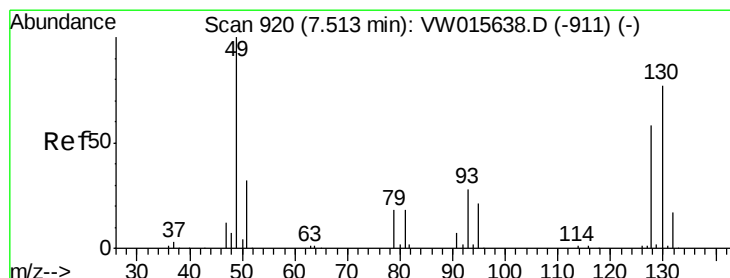
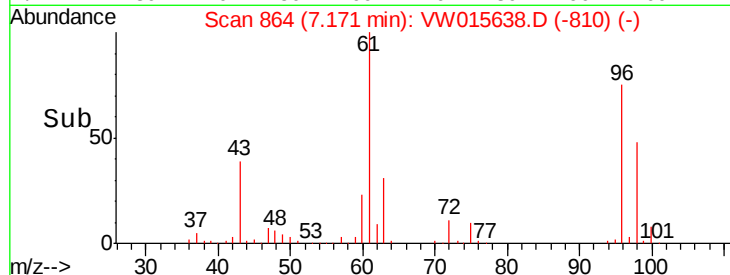
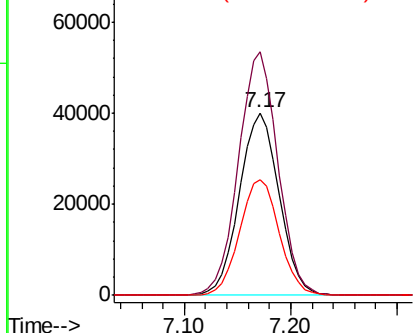
cis-1,2-Dichloroethene
 Concen: 24.040 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion: 96 Resp: 104966
 Ion Ratio Lower Upper
 96 100
 61 133.5 93.7 173.9
 98 63.5 45.1 83.9



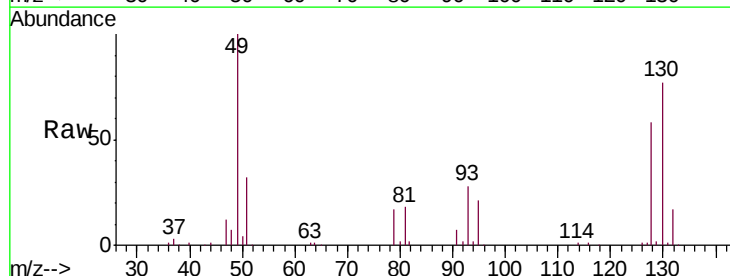
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



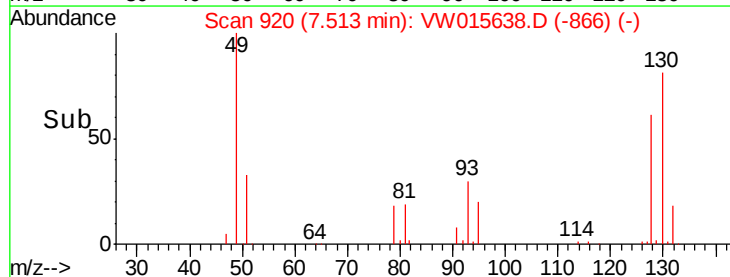
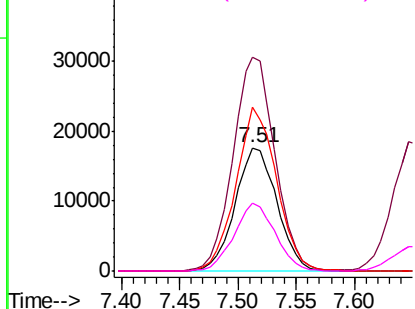
#23

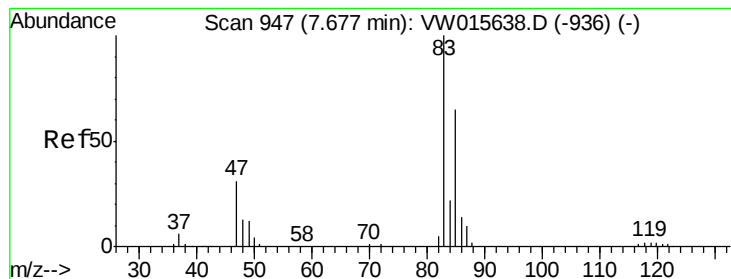
Bromochloromethane
 Concen: 23.311 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Tgt Ion: 128 Resp: 43891
 Ion Ratio Lower Upper
 128 100
 49 173.0 118.1 219.3
 130 133.0 88.5 164.3
 51 55.4 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: 24.637 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

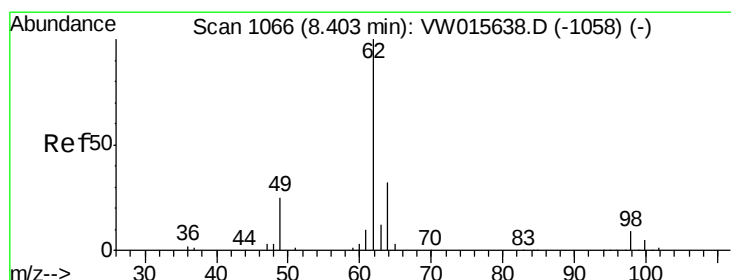
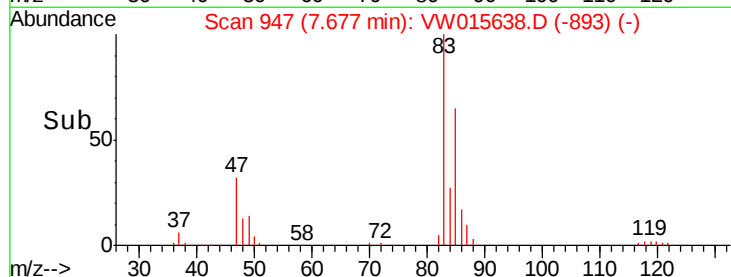
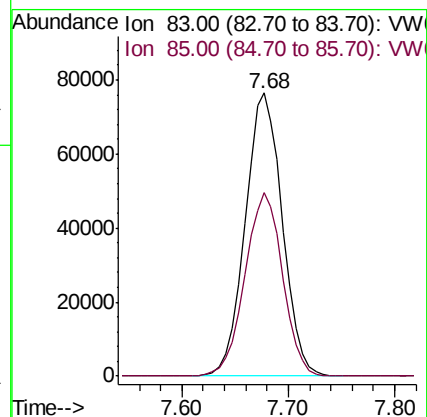
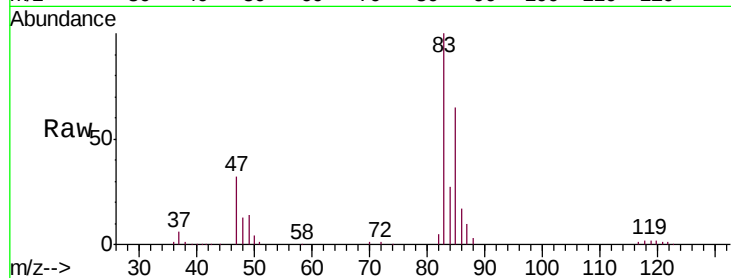
VSTD02514

Tgt Ion: 83 Resp: 186759

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 23.813 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015638.D

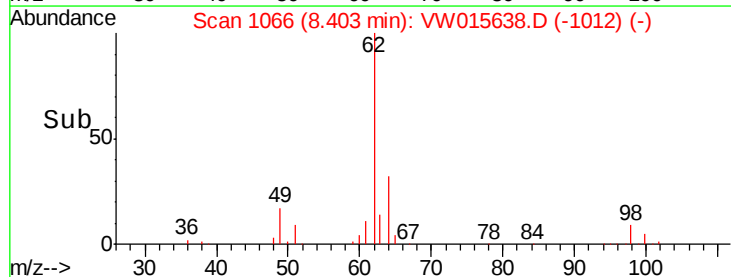
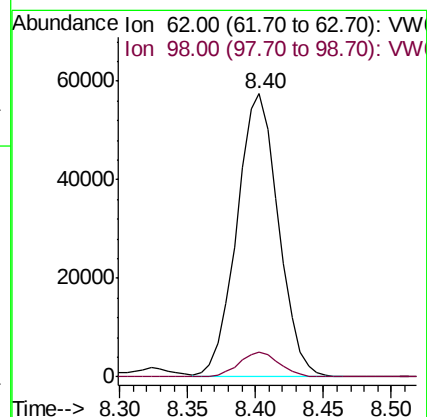
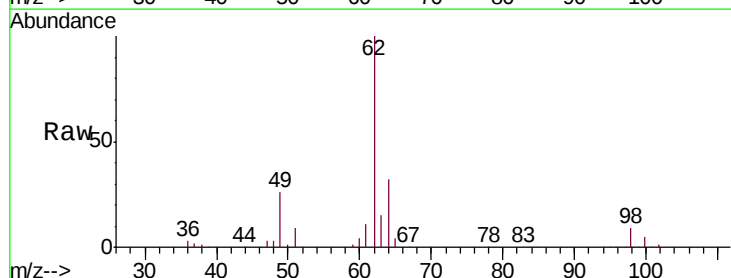
Acq: 19 Jun 2020 10:07

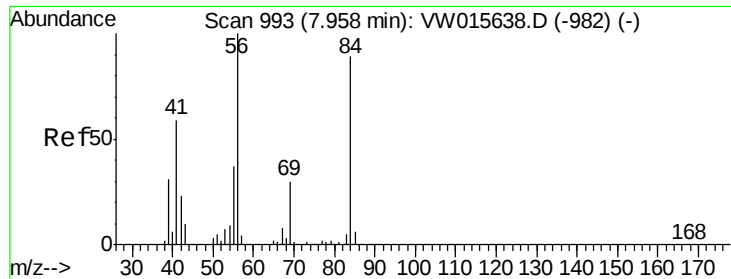
Tgt Ion: 62 Resp: 122120

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4

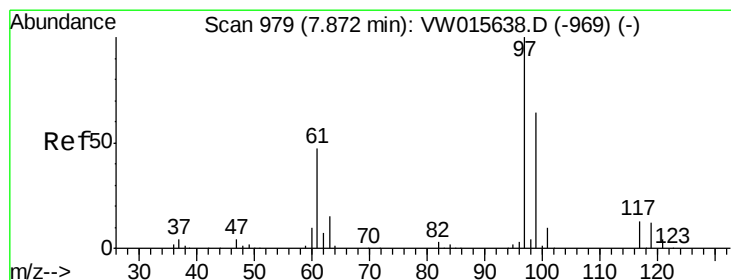
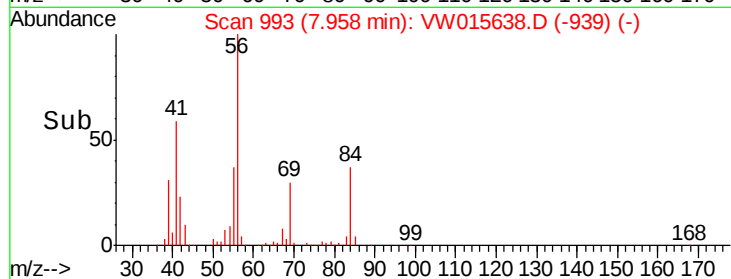
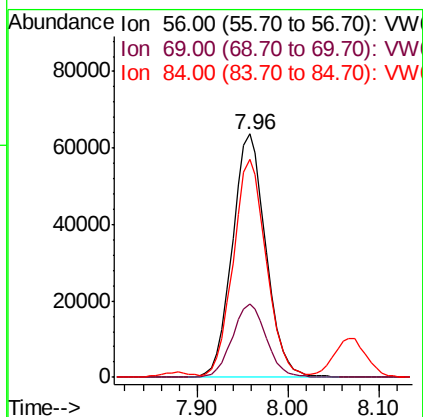
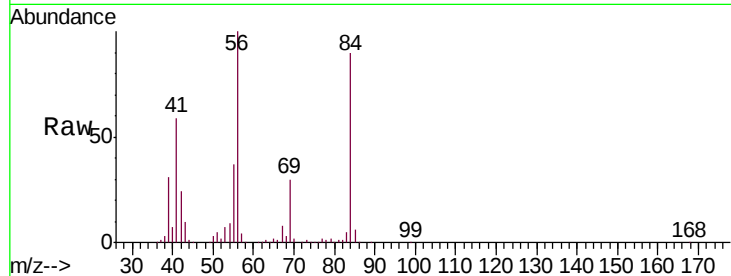




#30
Cyclohexane
Concen: 22.174 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

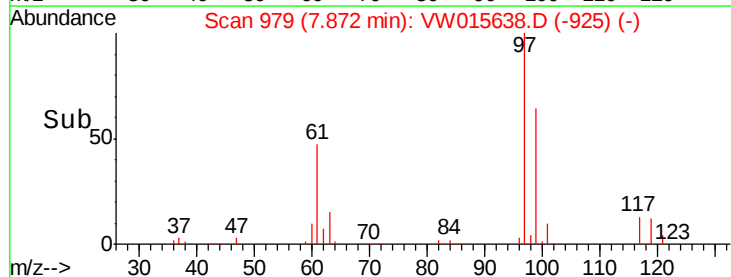
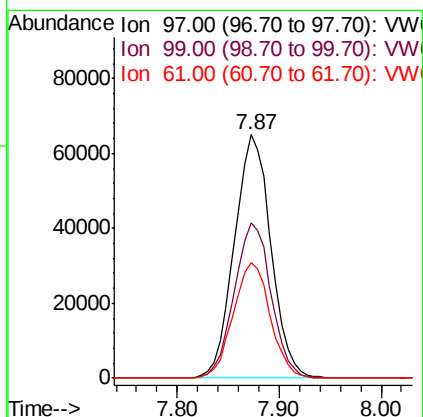
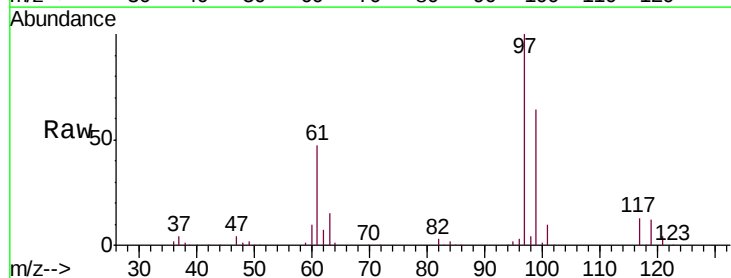
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

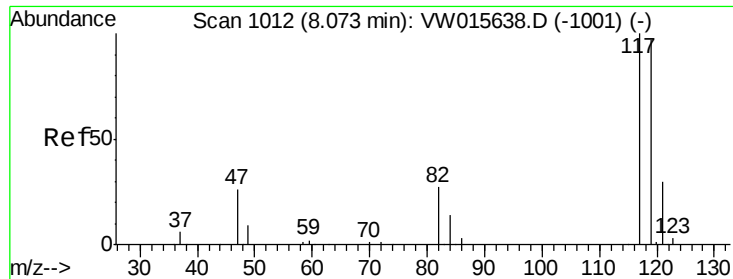
Tgt Ion: 56 Resp: 163419
Ion Ratio Lower Upper
56 100
69 30.6 24.6 37.0
84 88.6 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 24.303 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

Tgt Ion: 97 Resp: 162099
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 48.0 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.131 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

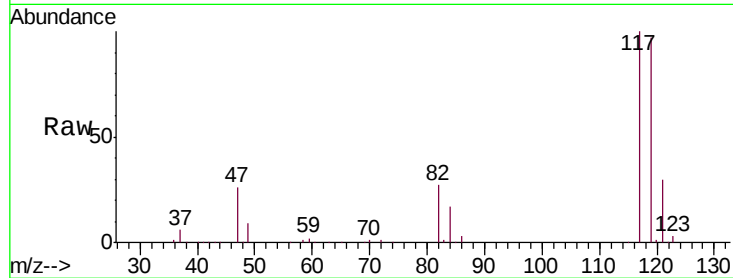
VSTD02514

Tgt Ion:117 Resp: 147623

Ion Ratio Lower Upper

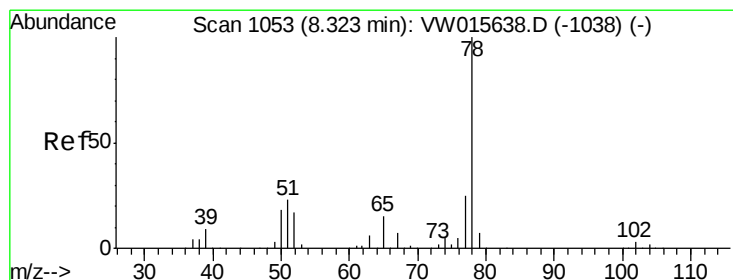
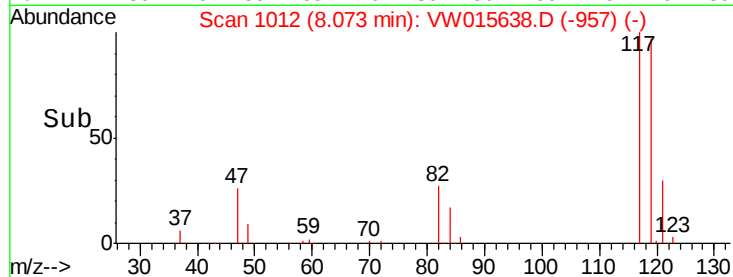
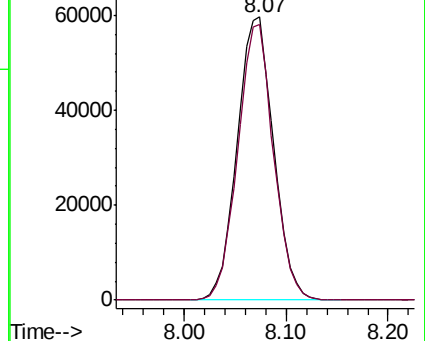
117 100

119 95.5 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: 23.978 ug/L

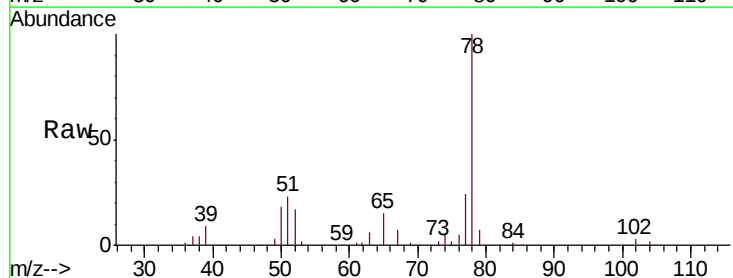
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

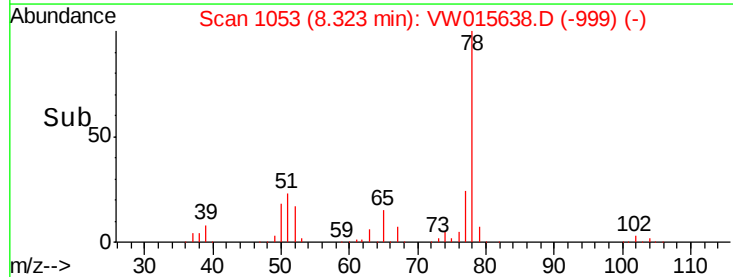
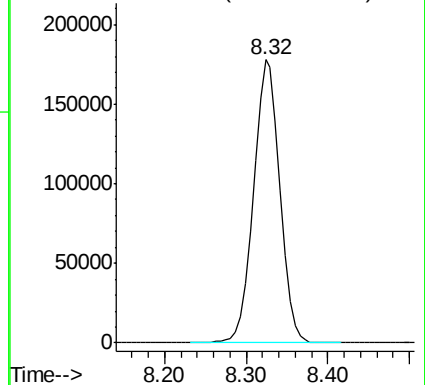
Lab File: VW015638.D

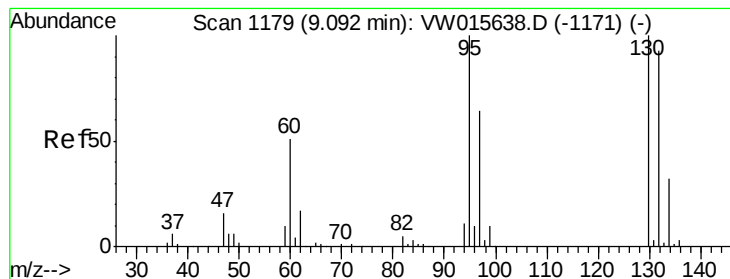
Acq: 19 Jun 2020 10:07

Tgt Ion: 78 Resp: 399783



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.935 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 95 Resp: 107194

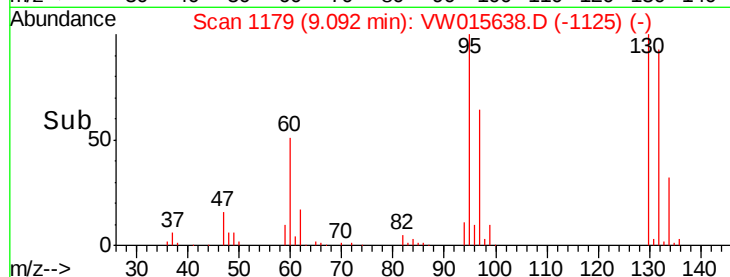
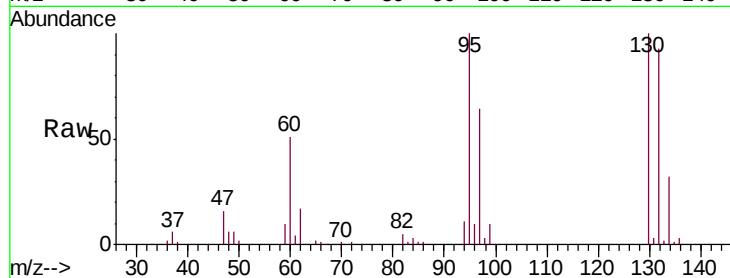
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 96.2 67.1 124.7

130 99.5 69.4 128.8



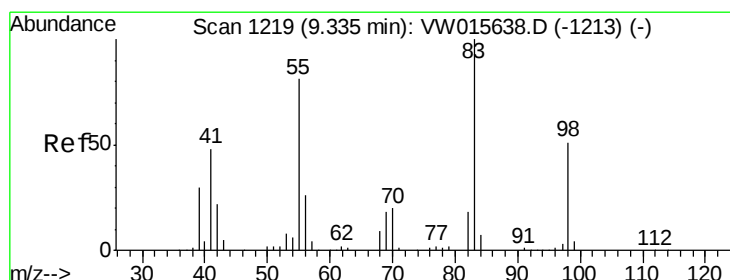
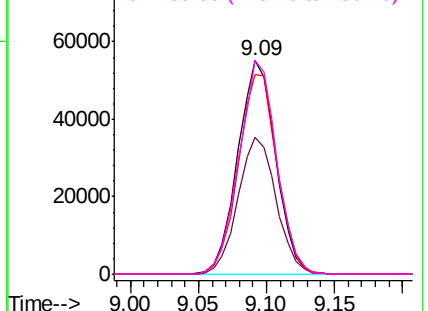
Abundance

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): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 22.955 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

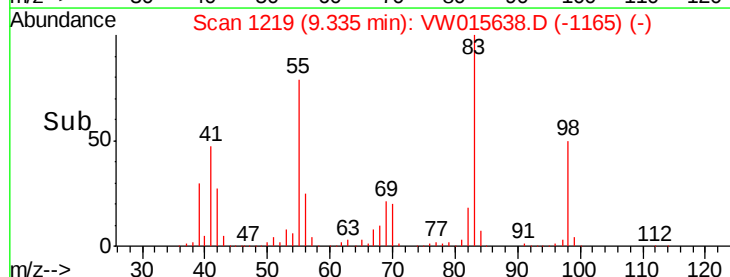
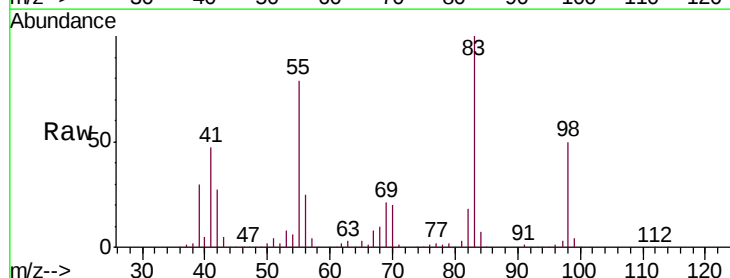
Tgt Ion: 83 Resp: 183359

Ion Ratio Lower Upper

83 100

55 77.4 62.8 94.2

98 49.6 39.2 58.8

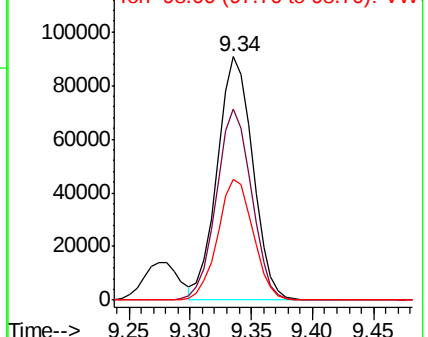


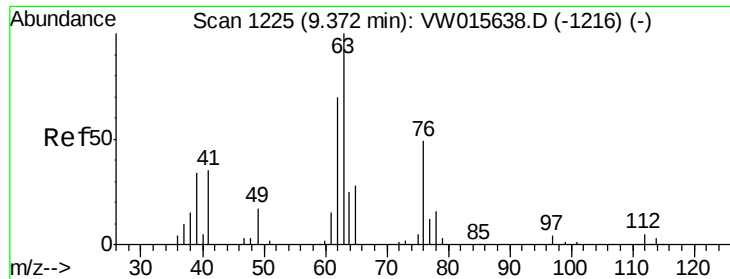
Abundance

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

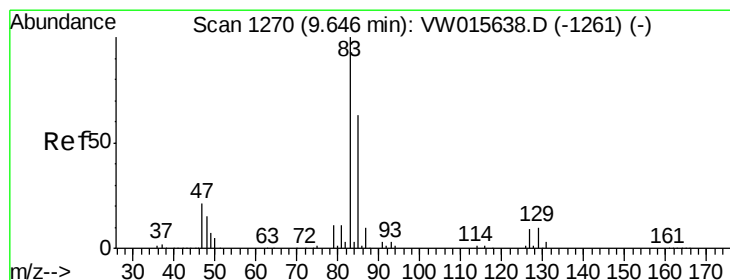
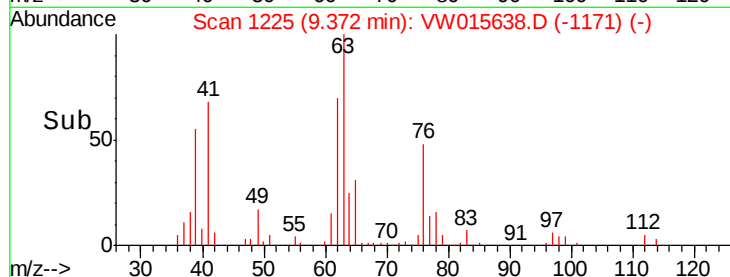
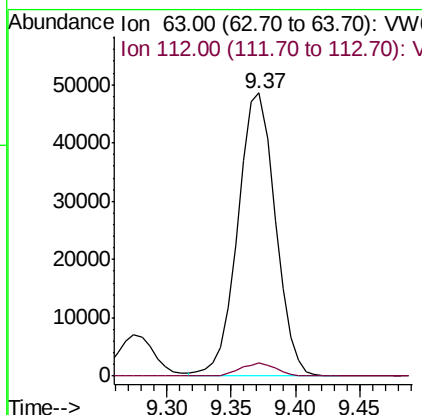
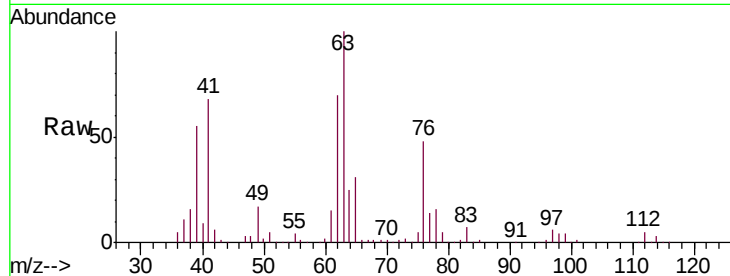




#40
 1,2-Dichloropropane
 Concen: 23.934 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

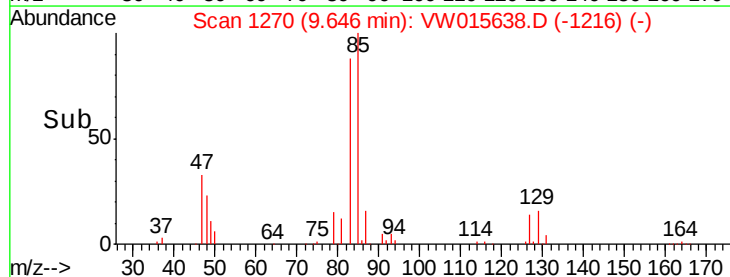
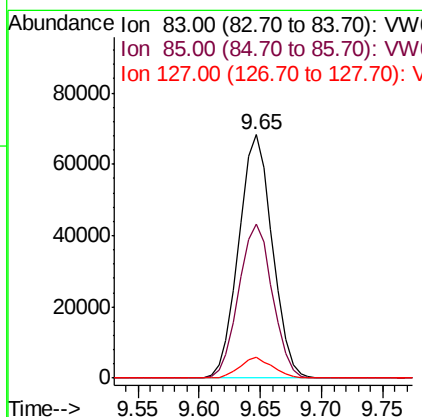
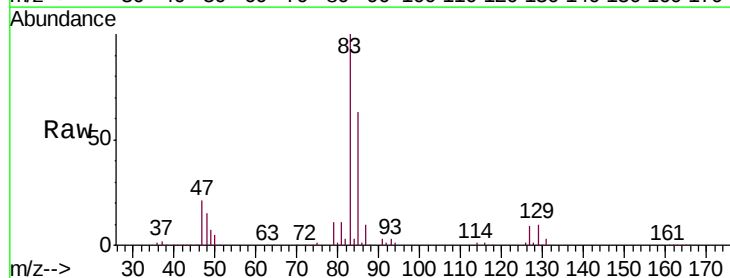
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

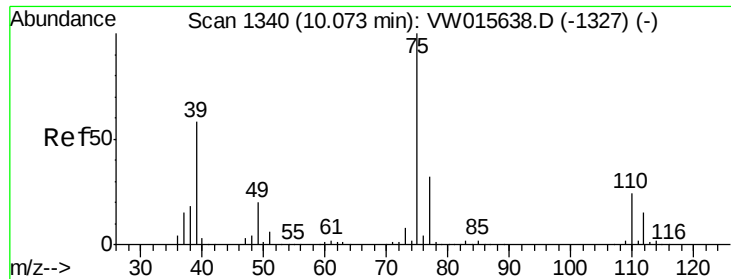
Tgt Ion: 63 Resp: 98271
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#41
 Bromodichloromethane
 Concen: 23.727 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Tgt Ion: 83 Resp: 130148
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.8 83.2
 127 8.6 7.0 10.6

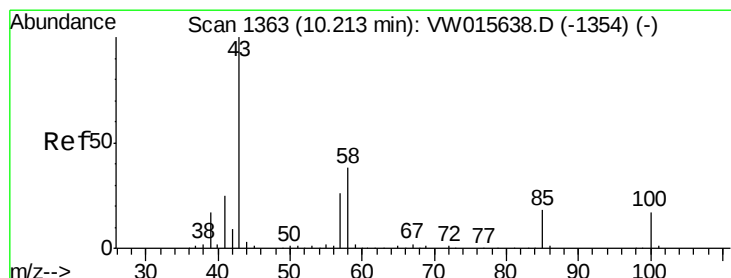
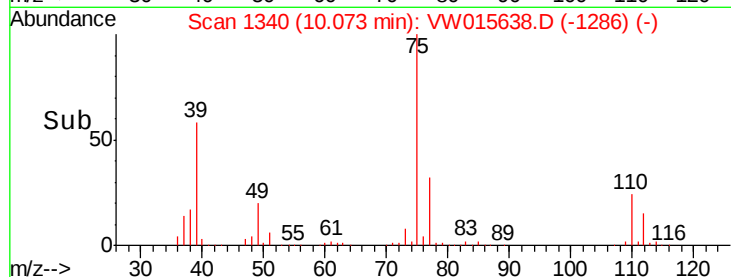
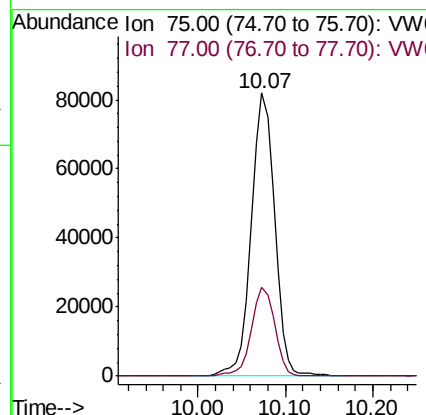
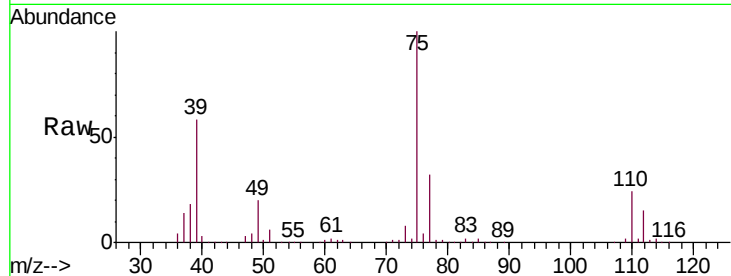




#42
 cis-1,3-Dichloropropene
 Concen: 23.221 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

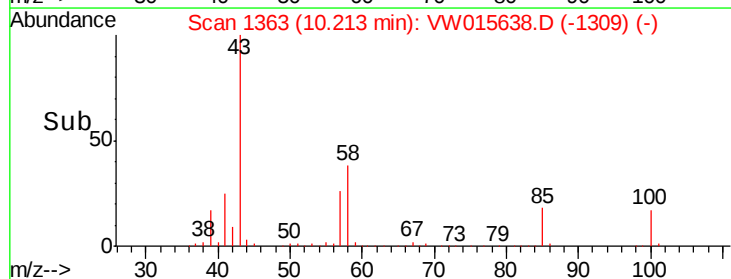
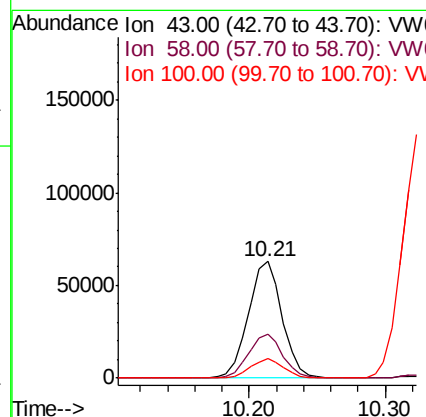
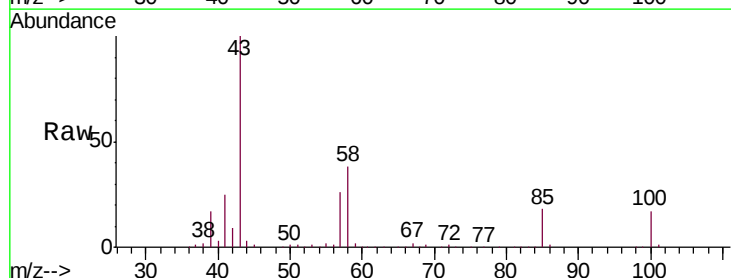
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

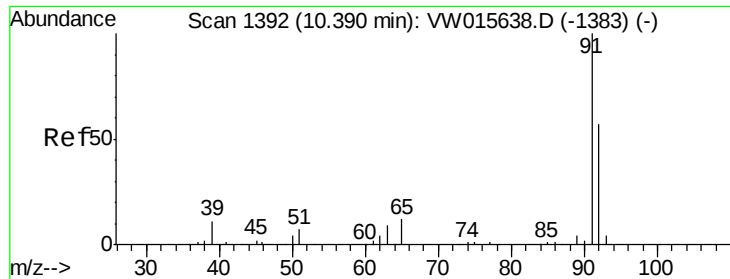
Tgt Ion: 75 Resp: 152575
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 45.359 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Tgt Ion: 43 Resp: 109170
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.6 46.0
 100 16.0 12.5 18.7





#44

Toluene

Concen: 24.209 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

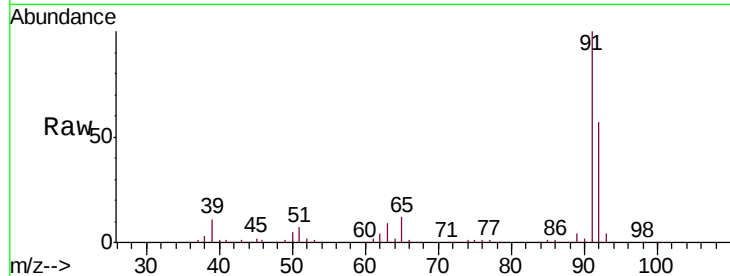
VSTD02514

Tgt Ion: 91 Resp: 439759

Ion Ratio Lower Upper

91 100

92 57.3 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

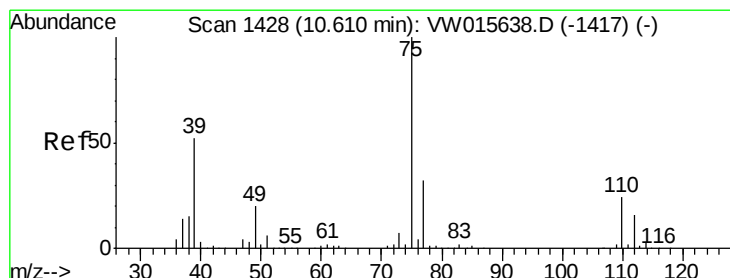
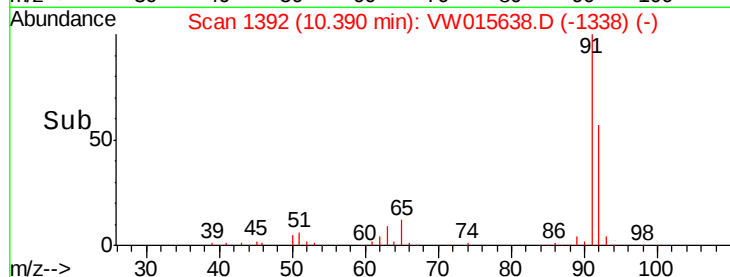
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.037 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015638.D

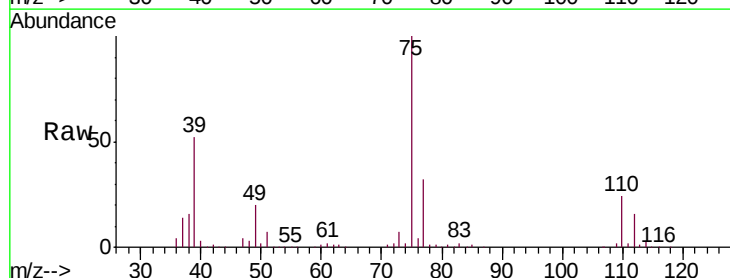
Acq: 19 Jun 2020 10:07

Tgt Ion: 75 Resp: 131726

Ion Ratio Lower Upper

75 100

77 31.8 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

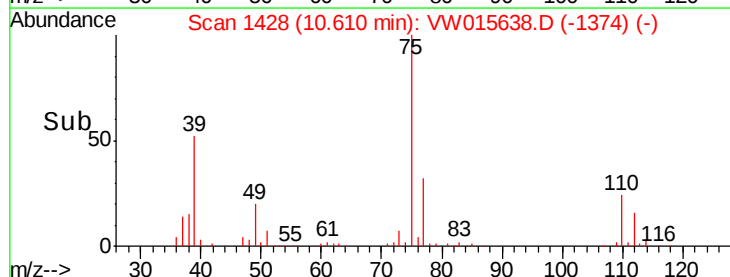
60000

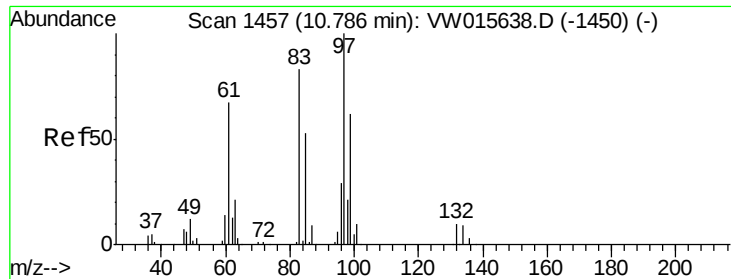
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 23.963 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 97 Resp: 68835

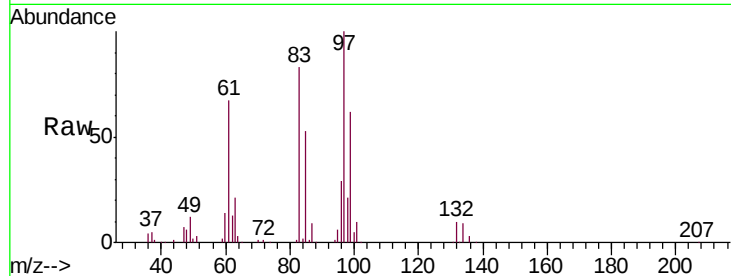
Ion Ratio Lower Upper

97 100

83 82.9 58.2 108.2

85 53.1 37.4 69.4

99 62.0 43.7 81.1



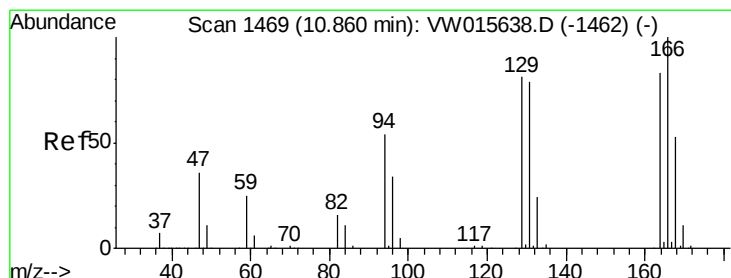
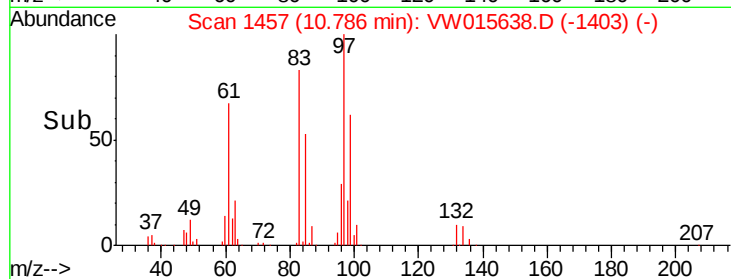
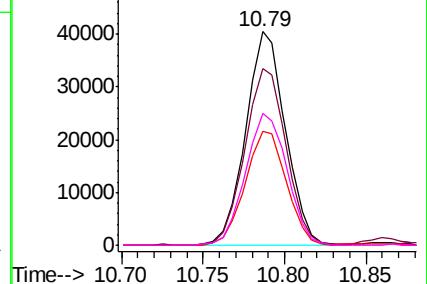
Abundance

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: 23.895 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Tgt Ion: 164 Resp: 84830

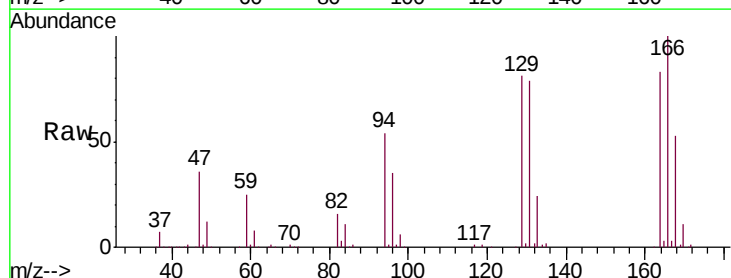
Ion Ratio Lower Upper

164 100

129 97.6 66.3 123.1

131 94.8 65.1 120.9

166 120.8 90.8 168.6



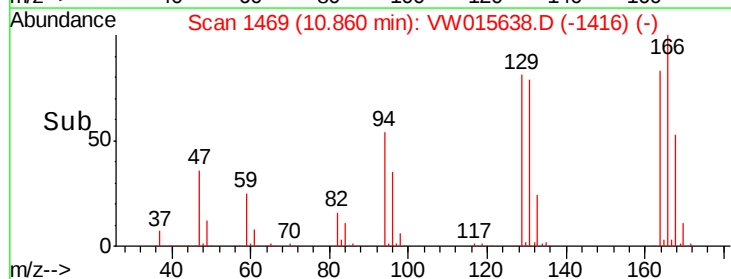
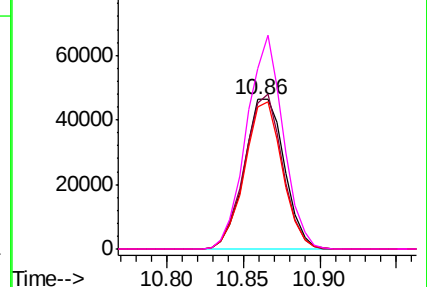
Abundance

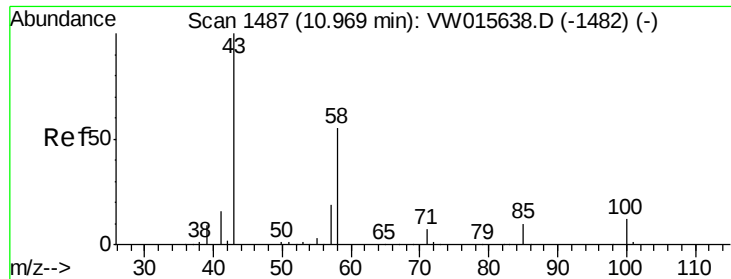
Ion 164.00 (163.70 to 164.70): V

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

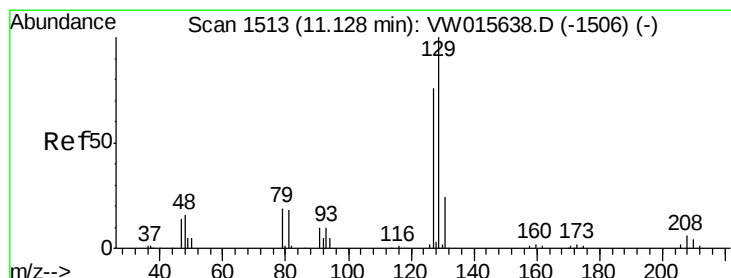
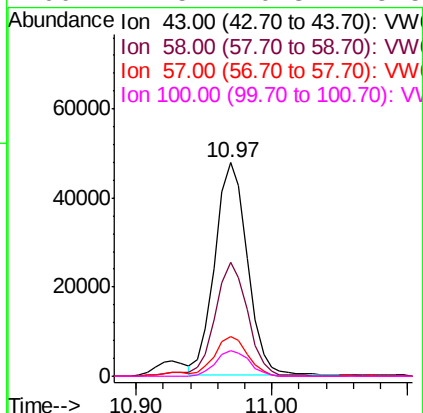
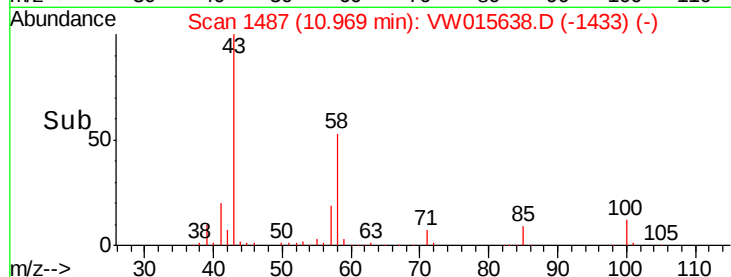
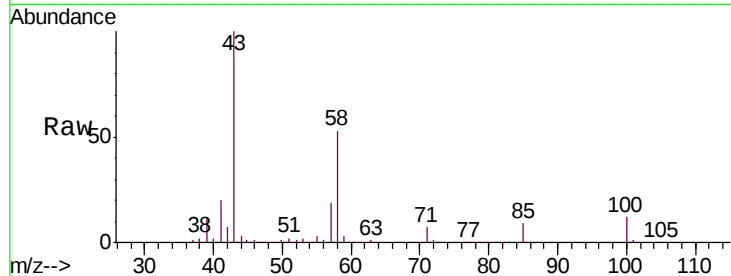




#49
2-Hexanone
Concen: 48.941 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

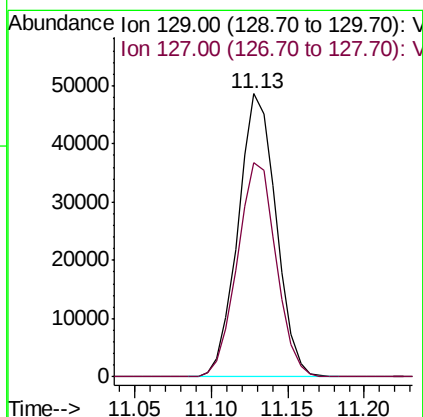
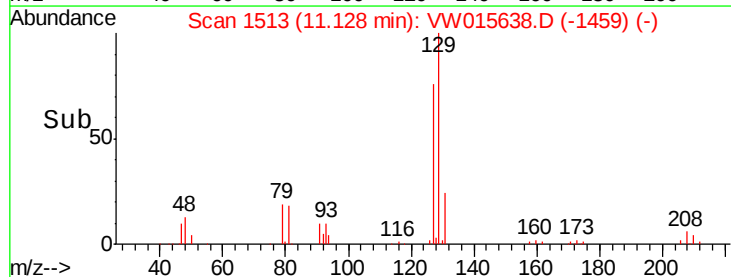
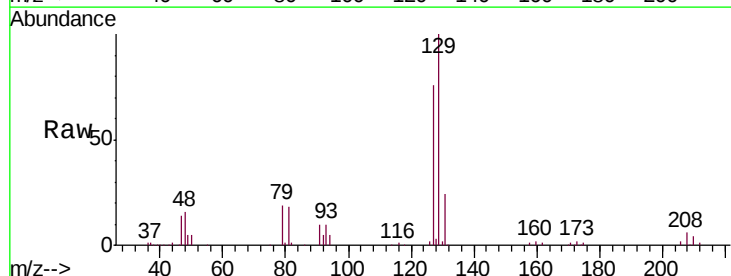
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

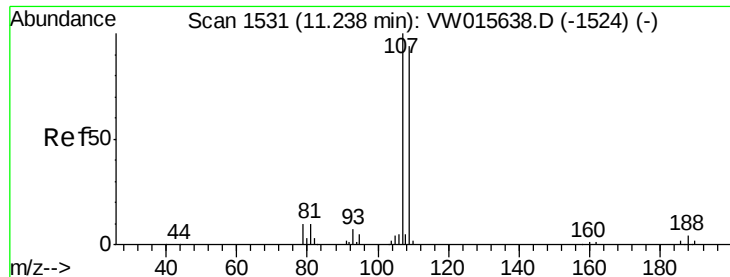
Tgt Ion: 43 Resp: 79508
Ion Ratio Lower Upper
43 100
58 53.1 42.6 64.0
57 19.3 15.5 23.3
100 12.5 10.3 15.5



#50
Dibromochloromethane
Concen: 24.068 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

Tgt Ion: 129 Resp: 83997
Ion Ratio Lower Upper
129 100
127 75.6 53.0 98.4

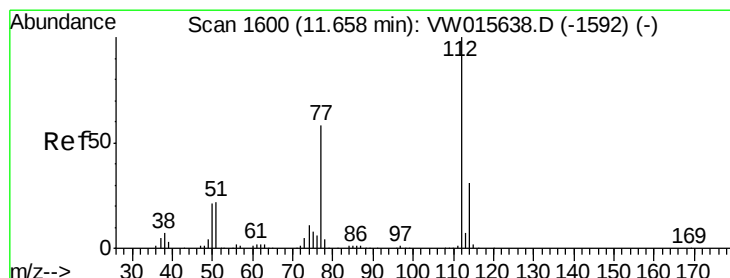
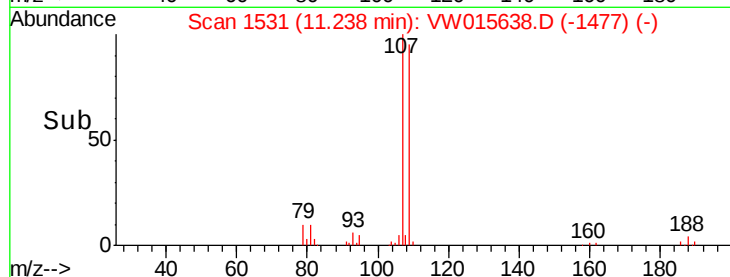
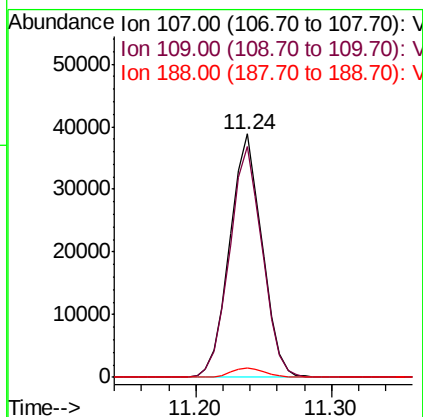
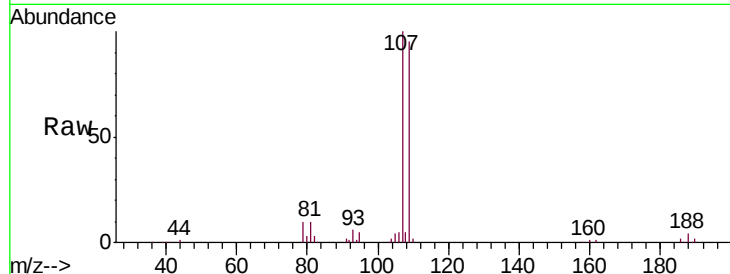




#51
1,2-Dibromoethane
Concen: 23.411 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

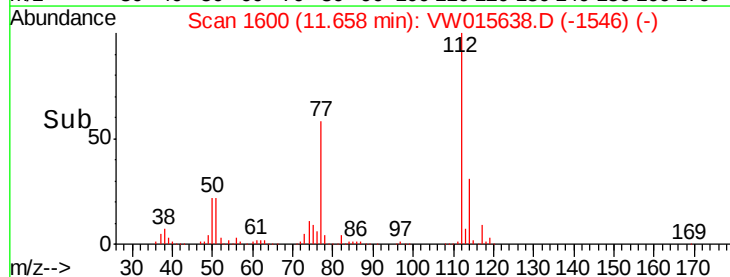
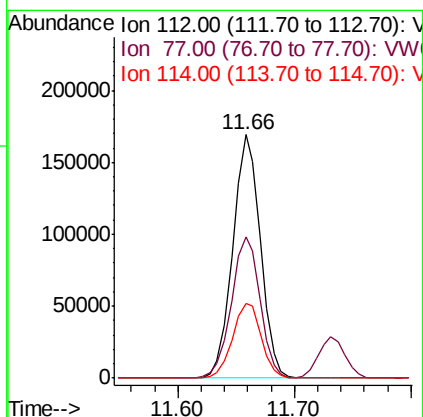
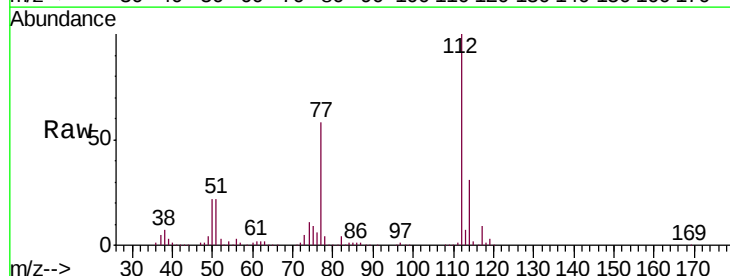
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

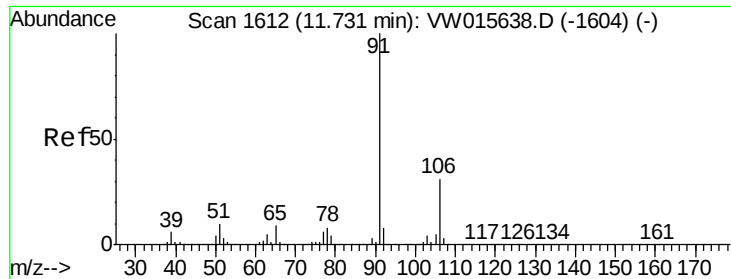
Tgt Ion:107 Resp: 64561
Ion Ratio Lower Upper
107 100
109 94.6 64.6 120.0
188 3.9 2.8 4.2



#52
Chlorobenzene
Concen: 24.501 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

Tgt Ion:112 Resp: 279163
Ion Ratio Lower Upper
112 100
77 58.1 49.7 74.5
114 30.9 21.8 40.6





#53

Ethylbenzene

Concen: 24.271 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

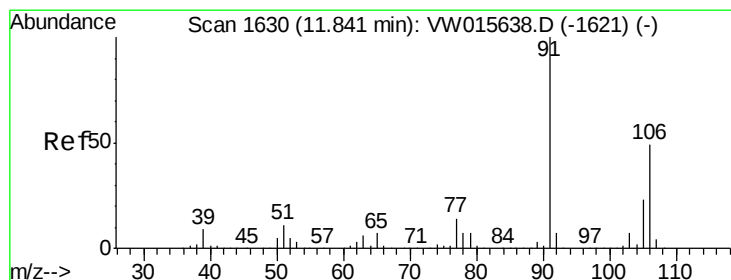
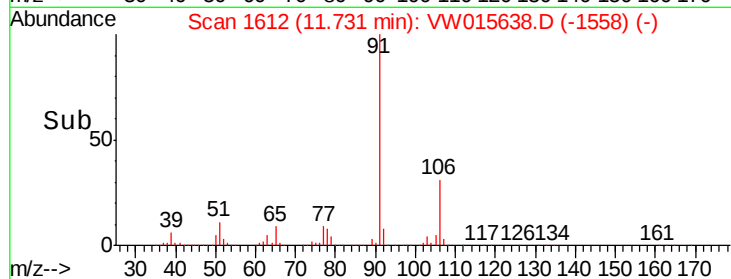
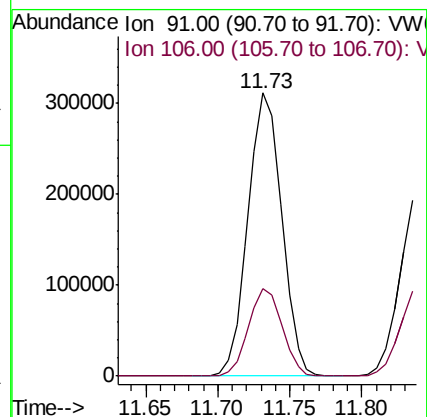
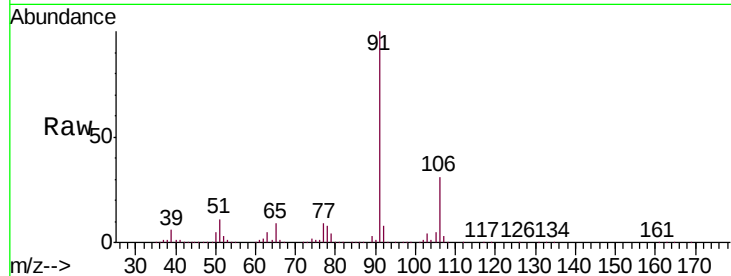
VSTD02514

Tgt Ion: 91 Resp: 506256

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#54

m,p-Xylene

Concen: 24.738 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015638.D

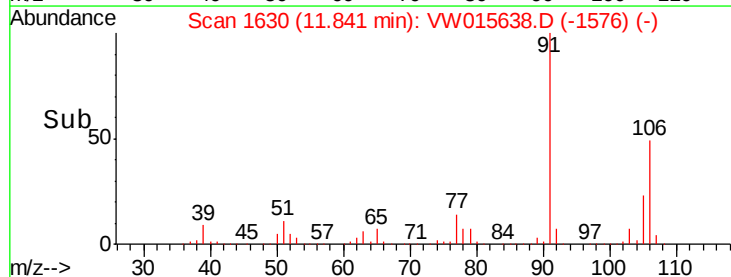
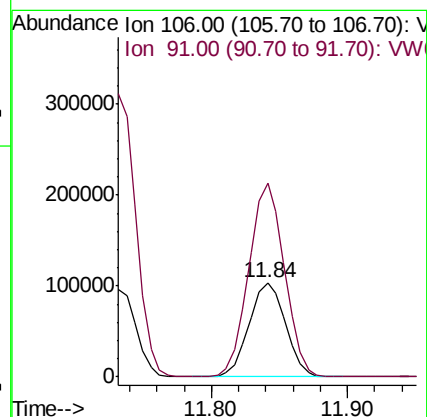
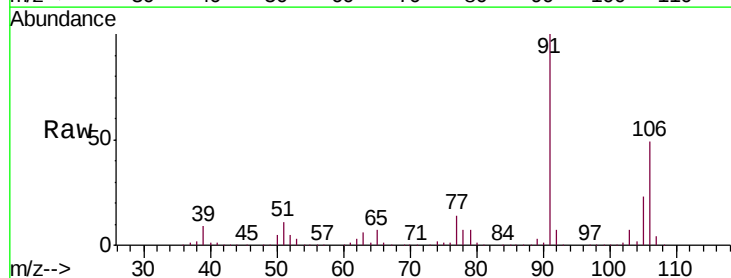
Acq: 19 Jun 2020 10:07

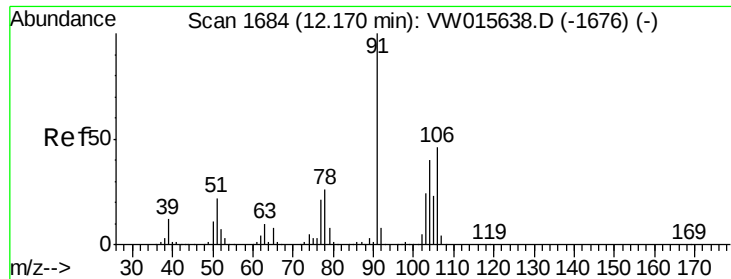
Tgt Ion: 106 Resp: 193624

Ion Ratio Lower Upper

106 100

91 205.7 142.6 264.8

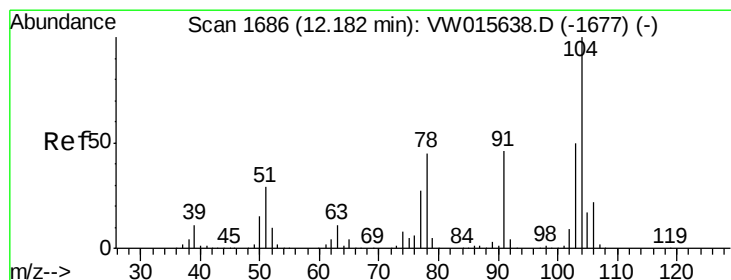
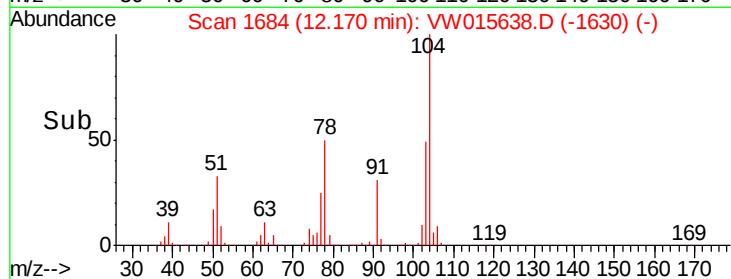
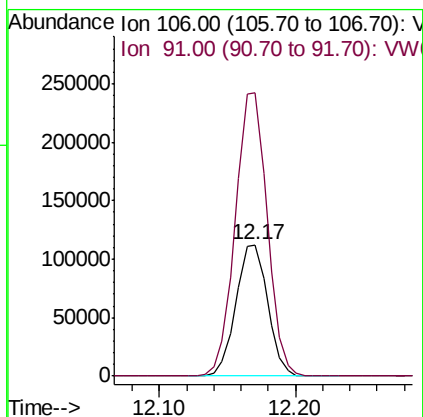
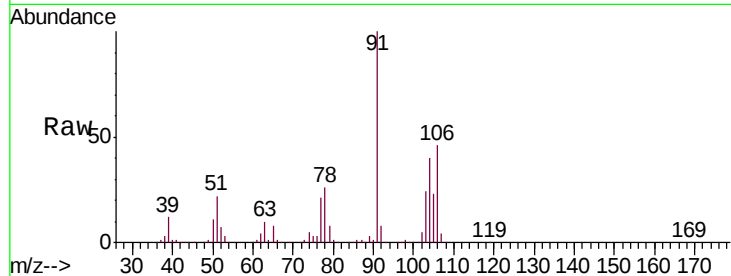




#55
o-xylene
Concen: 24.667 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

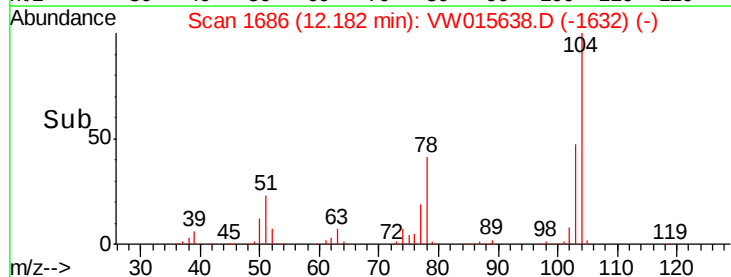
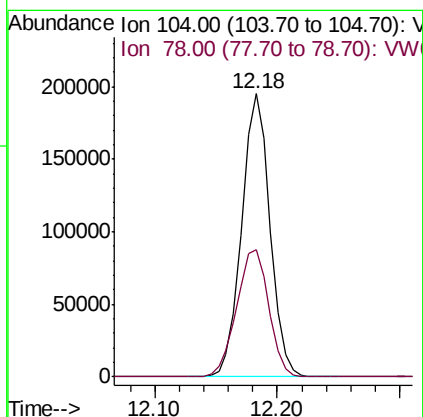
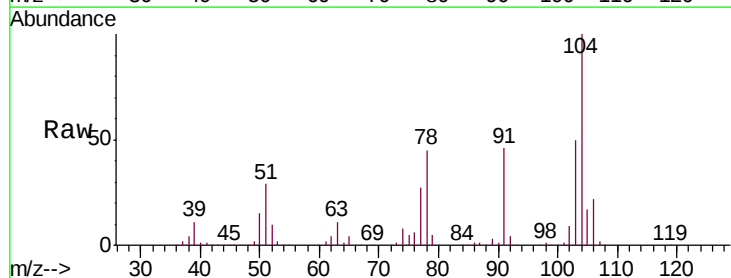
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

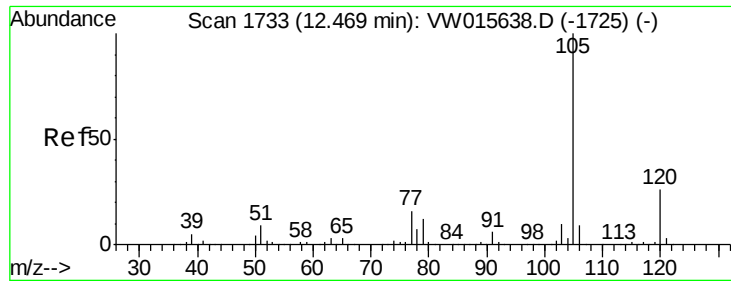
Tgt Ion:106 Resp: 183256
Ion Ratio Lower Upper
106 100
91 215.9 149.0 276.6



#56
Styrene
Concen: 24.588 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015638.D
Acq: 19 Jun 2020 10:07

Tgt Ion:104 Resp: 312138
Ion Ratio Lower Upper
104 100
78 45.1 32.9 61.1





#57

Isopropylbenzene

Concen: 24.869 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

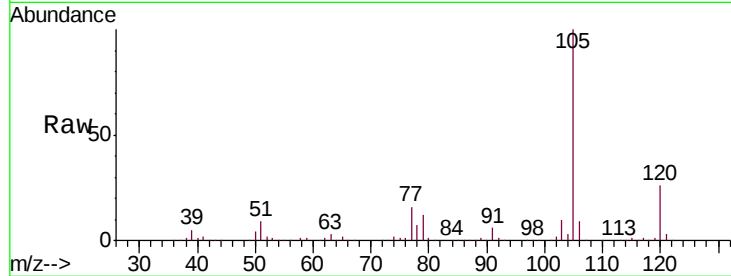
Tgt Ion: 105 Resp: 514668

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

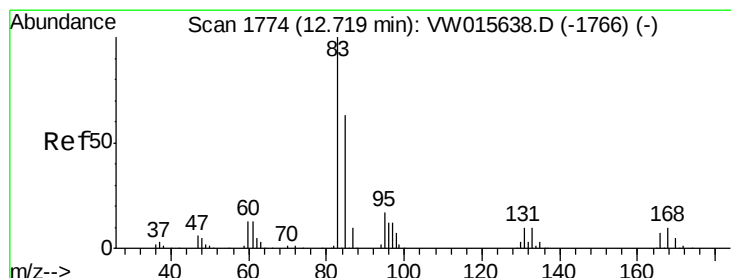
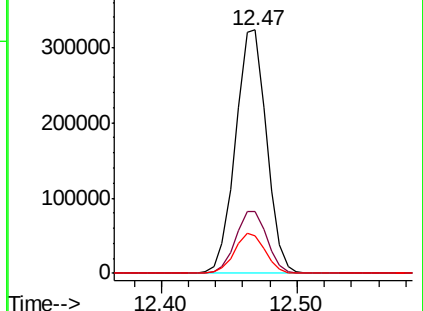
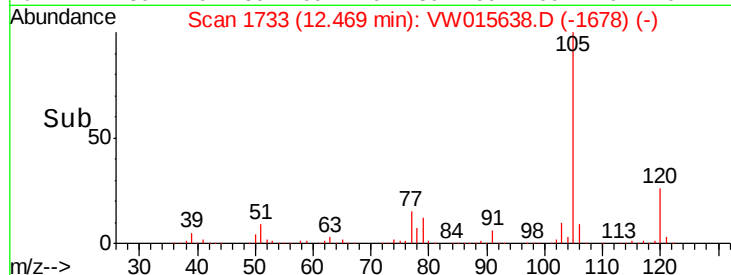
77 16.2 13.0 19.6



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: 24.323 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

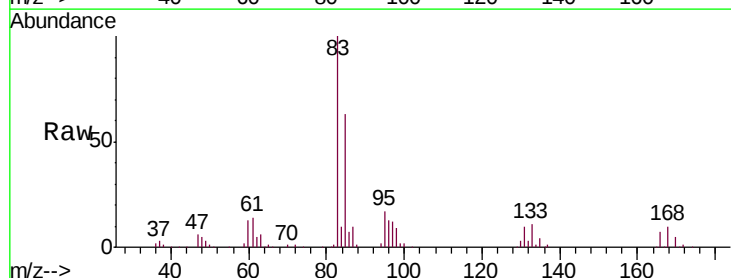
Tgt Ion: 83 Resp: 80889

Ion Ratio Lower Upper

83 100

85 62.9 44.7 82.9

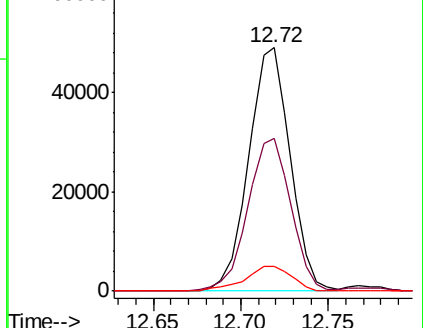
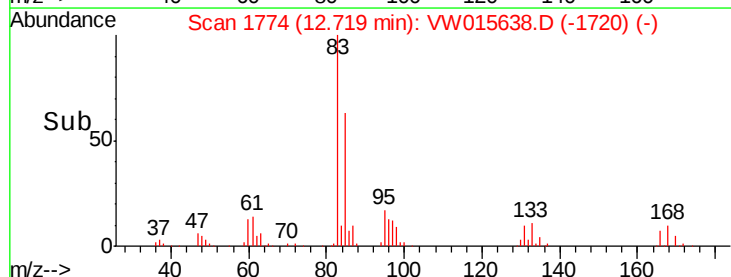
131 10.3 9.1 13.7

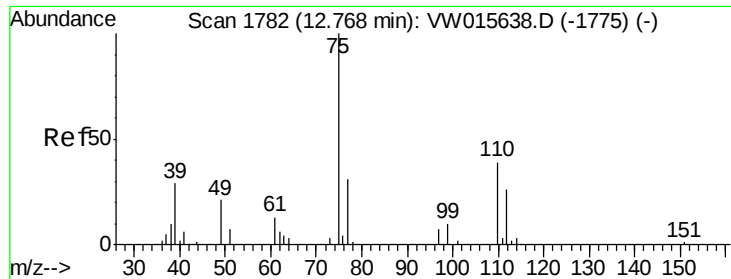


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

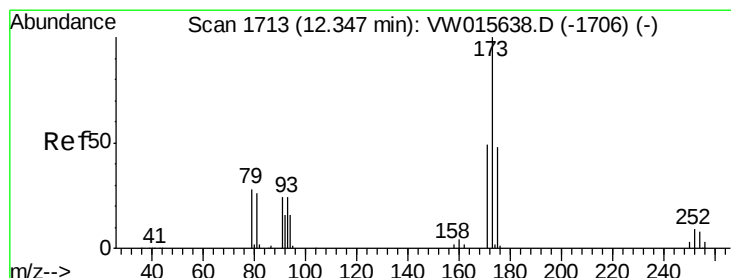
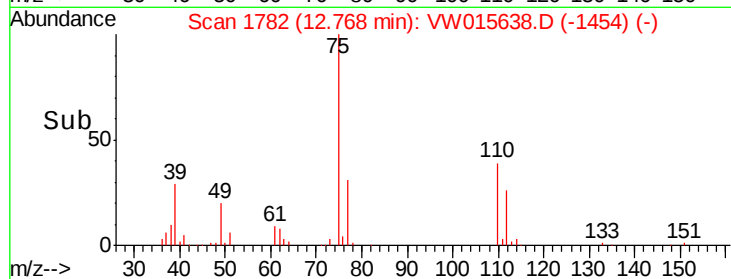
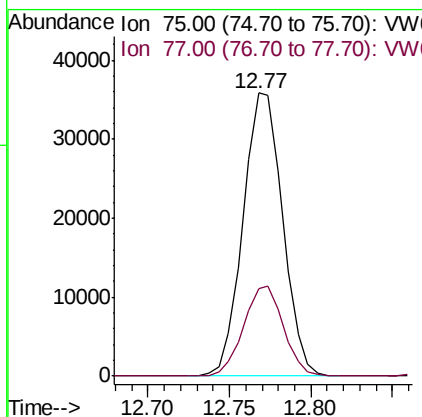
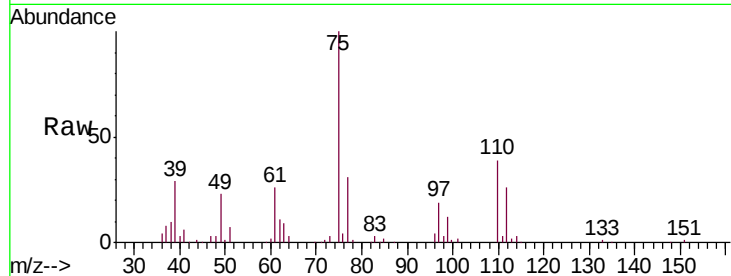




#59
 1,2,3-Trichloropropane
 Concen: 24.115 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

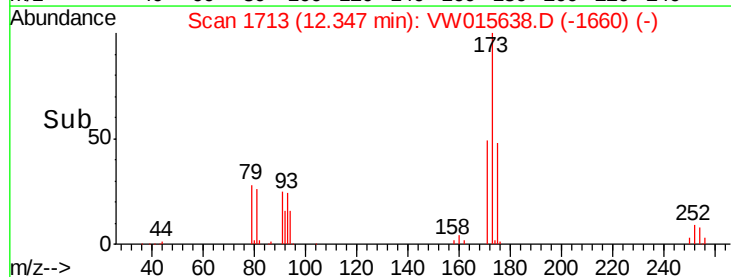
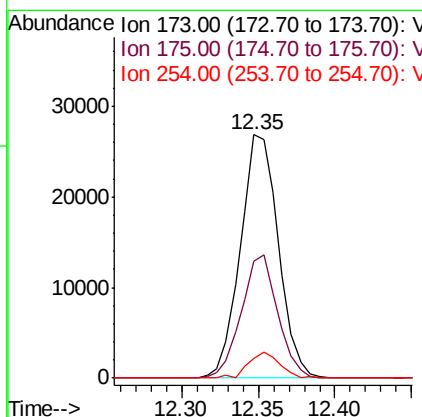
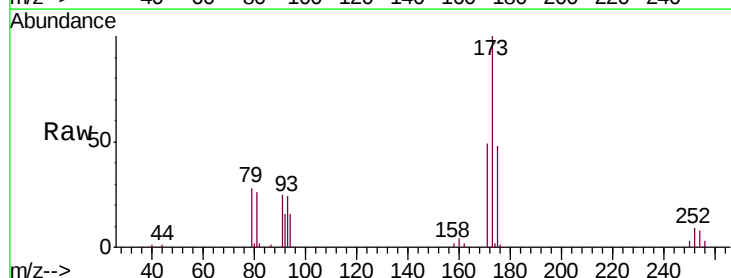
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

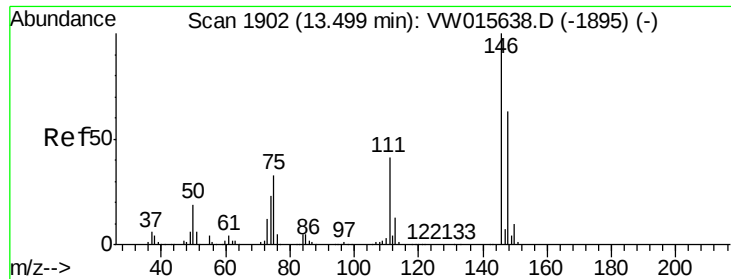
Tgt Ion: 75 Resp: 60808
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.9 38.9



#62
 Bromoform
 Concen: 22.135 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Tgt Ion: 173 Resp: 46285
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.9 56.9
 254 8.3 6.8 10.2

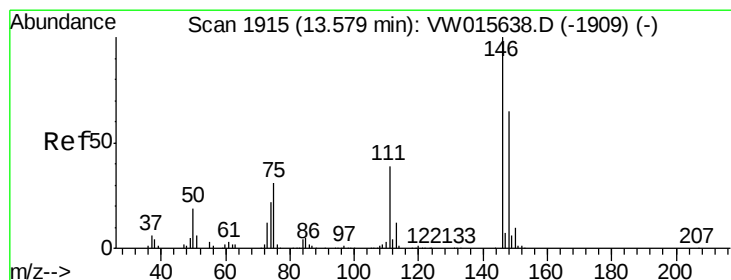
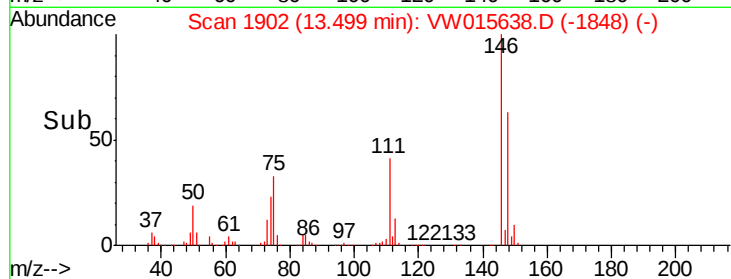
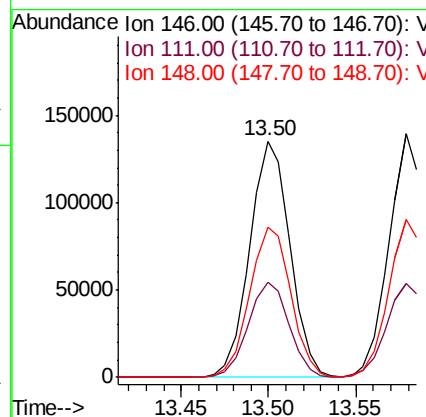
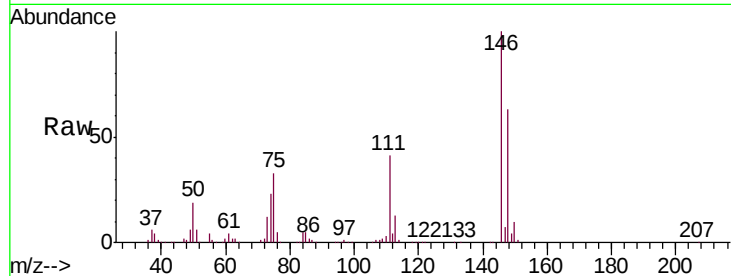




#63
 1,3-Dichlorobenzene
 Concen: 23.680 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

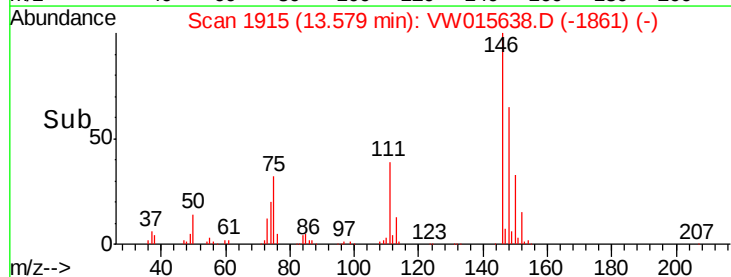
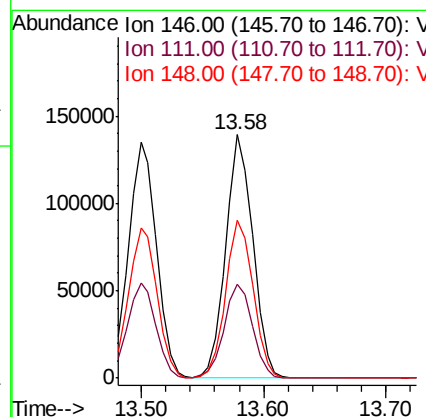
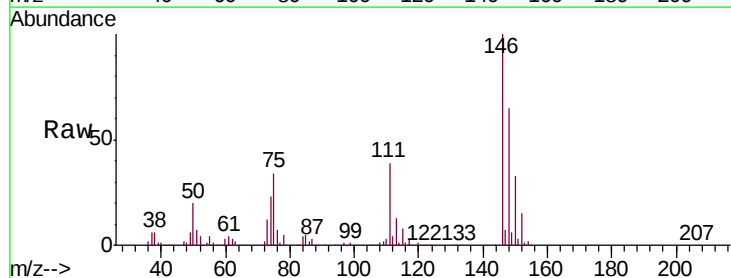
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

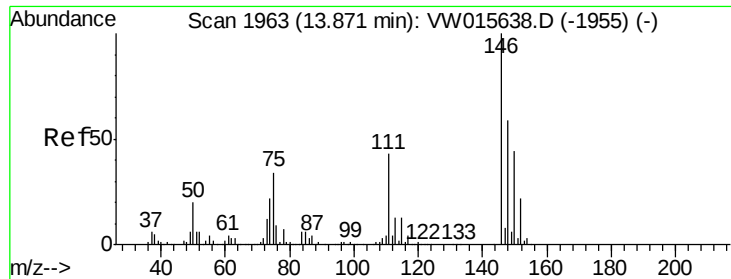
Tgt Ion:146 Resp: 217463
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.3 54.5
 148 63.5 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 23.778 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Tgt Ion:146 Resp: 213962
 Ion Ratio Lower Upper
 146 100
 111 38.8 28.1 52.1
 148 64.8 43.3 80.3

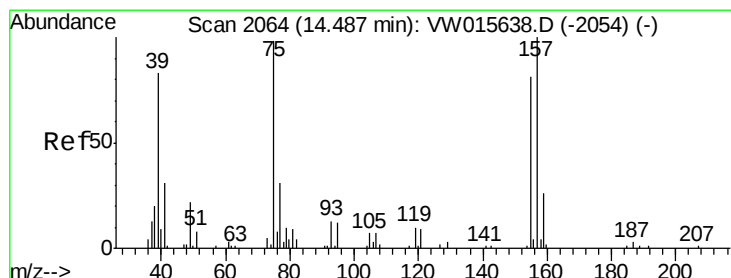
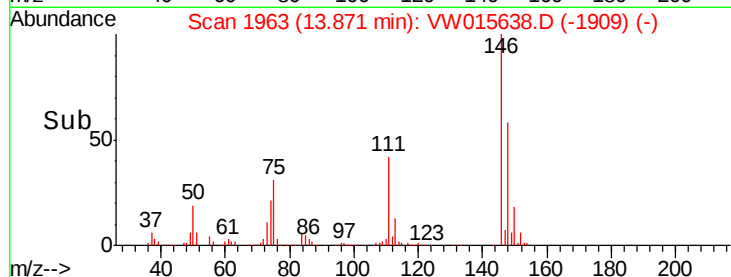
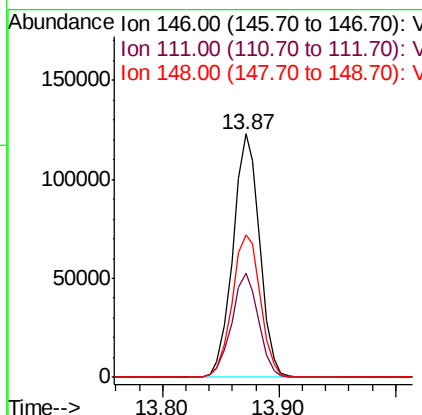
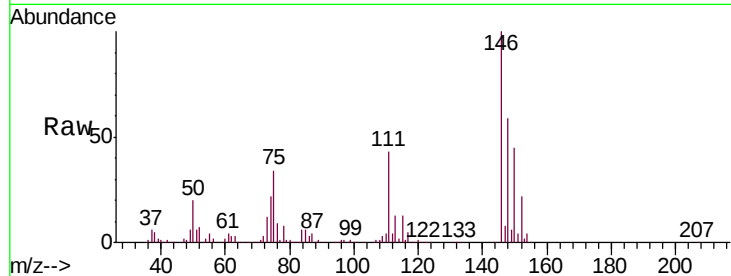




#65
 1,2-Dichlorobenzene
 Concen: 24.443 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

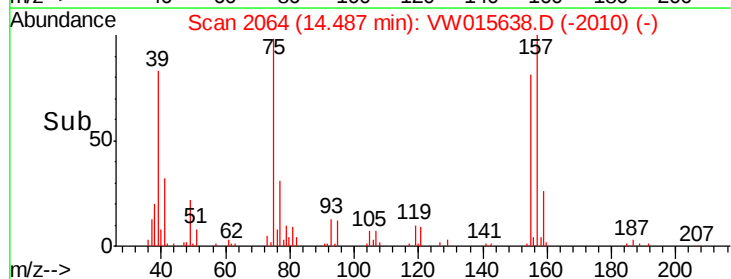
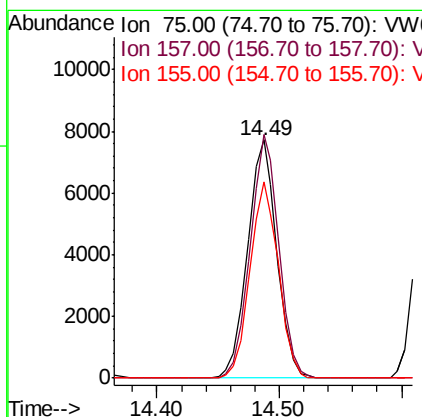
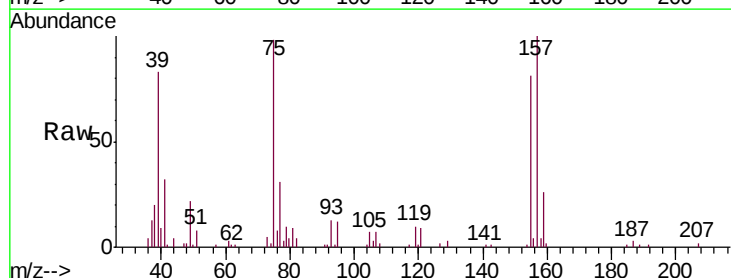
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

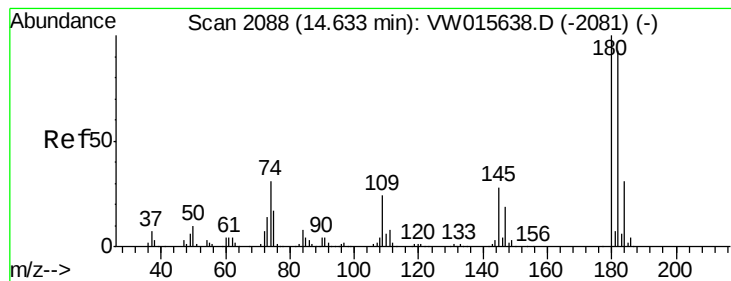
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	34.9	52.3
148	58.6	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.127 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015638.D
 Acq: 19 Jun 2020 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.3	87.4	131.0
155	82.4	64.6	96.8





#67

1,3,5-Trichlorobenzene

Concen: 23.884 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion:180 Resp: 151852

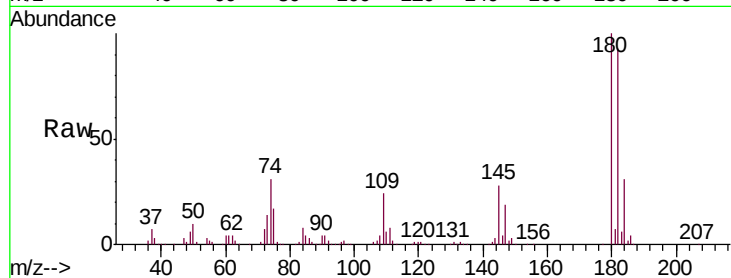
Ion Ratio Lower Upper

180 100

182 98.5 76.6 114.8

184 31.8 24.4 36.6

145 30.6 24.0 36.0

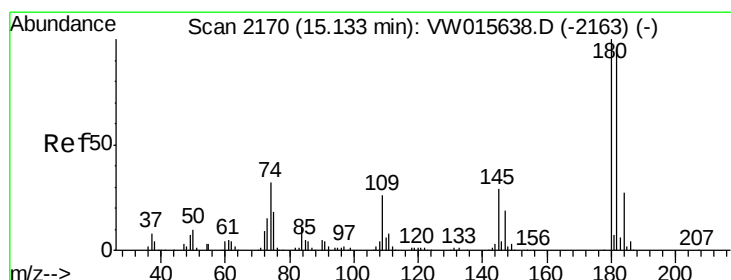
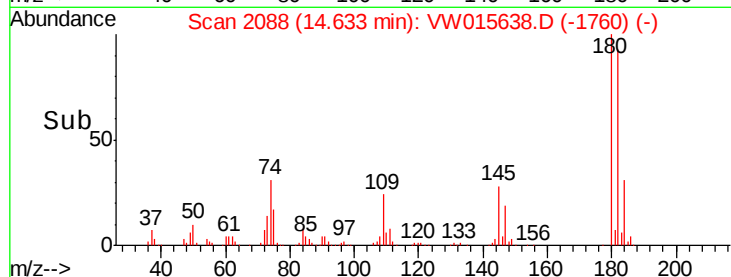
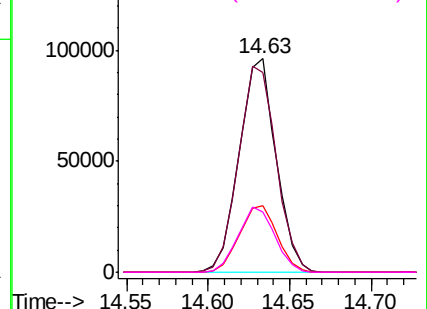


Abundance Ion 180.00 (179.70 to 180.70): V

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: 23.902 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

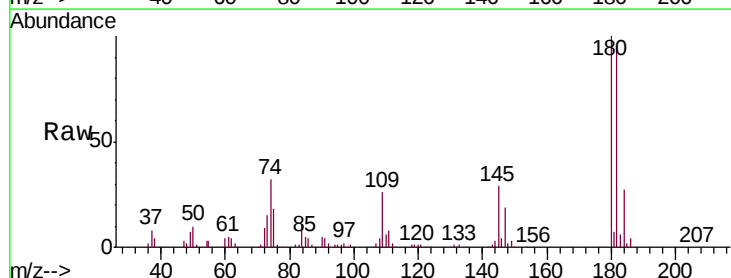
Tgt Ion:180 Resp: 122398

Ion Ratio Lower Upper

180 100

182 93.7 76.1 114.1

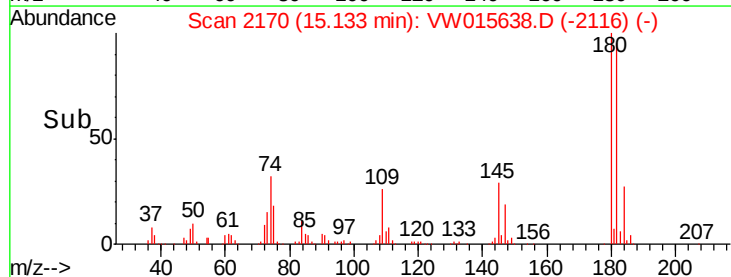
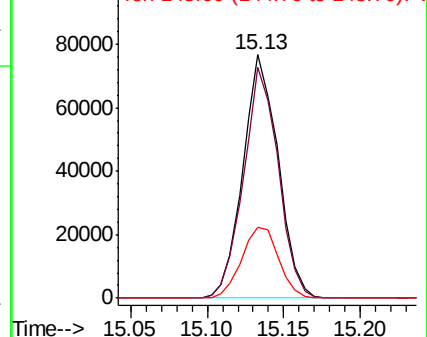
145 30.7 25.2 37.8

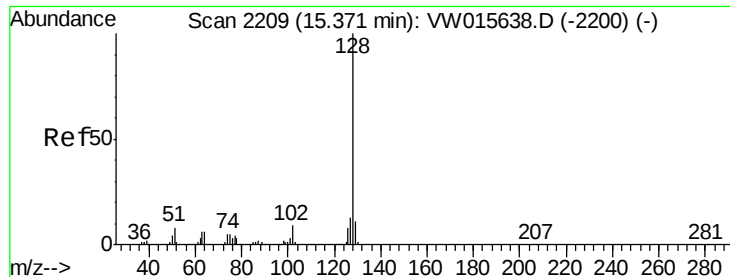


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.149 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

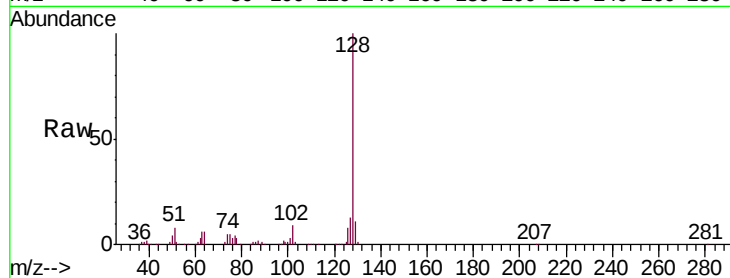
Tgt Ion:128 Resp: 205939

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.3 10.6 15.8

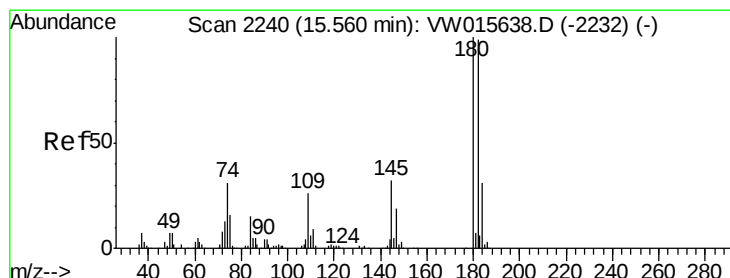
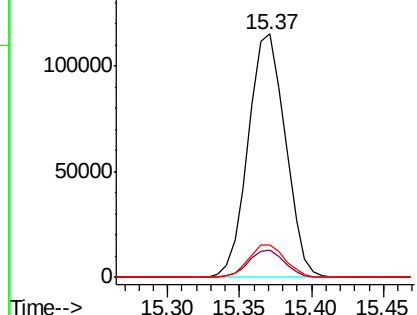
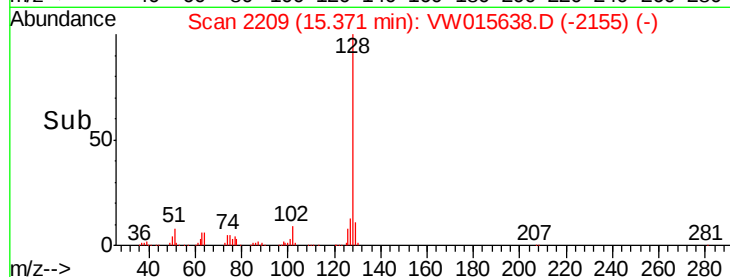


Abundance

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: 24.293 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015638.D

Acq: 19 Jun 2020 10:07

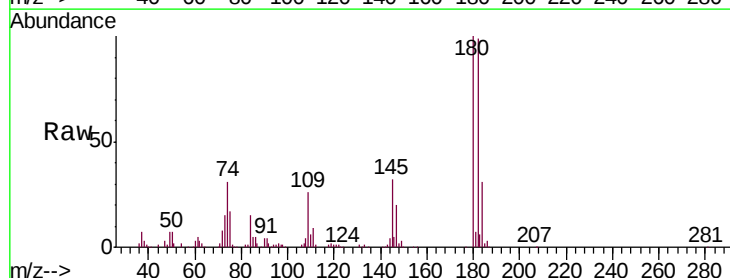
Tgt Ion:180 Resp: 105830

Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

145 32.2 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

