

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120220\
 Data File : VW017518.D
 Acq On : 02 Dec 2020 10:33
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

Quant Time: Dec 02 11:12:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 02 11:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	491134	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	454052	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	226012	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	152500	32.29	ug/L	0.00
7) Chloroethane-d5	2.89	69	118055	27.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	316694	30.27	ug/L	0.00
21) 2-Butanone-d5	7.08	46	82134	69.87	ug/L	0.00
24) Chloroform-d	7.65	84	314450	29.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	168097	31.81	ug/L	0.00
32) Benzene-d6	8.27	84	611023	28.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	175434	29.93	ug/L	0.00
41) Toluene-d8	10.33	98	573793	28.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	83368	32.09	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	55969	62.20	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	145752	31.51	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	199209	27.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	78919	14.399	ug/L 100
3) Chloromethane	2.21	50	90635	18.908	ug/L 100
5) Vinyl chloride	2.37	62	137245	23.044	ug/L 100
6) Bromomethane	2.78	94	94624	20.299	ug/L 100
8) Chloroethane	2.93	64	88504	21.722	ug/L 100
9) Trichlorofluoromethane	3.27	101	132854	26.841	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	154345	23.410	ug/L 100
12) 1,1-Dichloroethene	4.04	96	148683	23.984	ug/L 100
13) Acetone	4.13	43	70937	68.959	ug/L 100
14) Carbon disulfide	4.39	76	416148	24.078	ug/L 100
15) Methyl Acetate	4.67	43	67940	31.992	ug/L 100
16) Methylene chloride	4.92	84	155602	22.057	ug/L 100
17) trans-1,2-Dichloroethene	5.43	96	156066	23.603	ug/L 100
18) Methyl tert-butyl Ether	5.43	73	185680	26.225	ug/L 100
19) 1,1-Dichloroethane	6.23	63	271492	26.023	ug/L 100
20) cis-1,2-Dichloroethene	7.17	96	170232	25.127	ug/L 100
22) 2-Butanone	7.17	43	94201	67.061	ug/L 100
23) Bromochloromethane	7.52	128	78935	24.680	ug/L 100
25) Chloroform	7.68	83	289631	25.821	ug/L 100
27) 1,2-Dichloroethane	8.40	62	187008	27.653	ug/L 100
29) Cyclohexane	7.96	56	238216	25.396	ug/L 100
30) 1,1,1-Trichloroethane	7.88	97	244043	25.532	ug/L 100
31) Carbon tetrachloride	8.07	117	237010	25.471	ug/L 100
33) Benzene	8.33	78	612454	25.051	ug/L 100
34) Trichloroethene	9.10	95	166440	24.091	ug/L 100
35) Methylcyclohexane	9.34	83	275590	24.146	ug/L 100
37) 1,2-Dichloropropane	9.37	63	150056	26.511	ug/L 100
38) Bromodichloromethane	9.65	83	212305	26.815	ug/L 100
39) cis-1,3-Dichloropropene	10.07	75	241352	27.064	ug/L 100
40) 4-Methyl-2-pentanone	10.21	43	176937	60.531	ug/L 100

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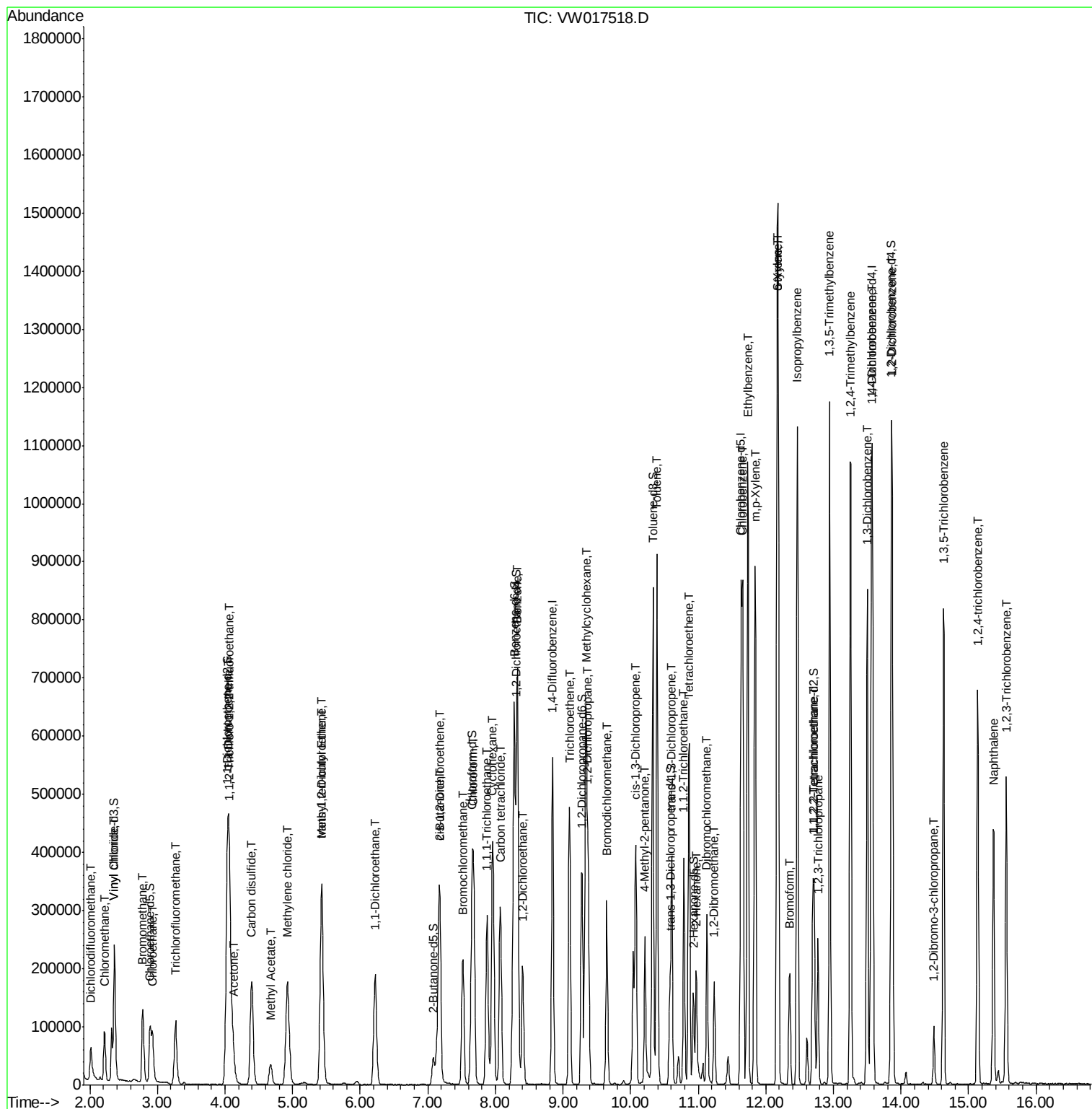
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	664946	24.662	ug/L	100
44) trans-1,3-Dichloropropene	10.61	75	215818	28.146	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	119285	26.078	ug/L	100
46) Tetrachloroethene	10.87	164	138635	22.311	ug/L	100
48) 2-Hexanone	10.97	43	130604	65.842	ug/L	100
49) Dibromochloromethane	11.13	129	152862	27.093	ug/L	100
50) 1,2-Dibromoethane	11.24	107	115263	26.243	ug/L	100
51) Chlorobenzene	11.66	112	433260	24.028	ug/L	100
52) Ethylbenzene	11.73	91	761038	25.013	ug/L	100
53) m,p-Xylene	11.84	106	285378	24.238	ug/L	100
54) o-Xylene	12.16	106	272989	24.466	ug/L	100
55) Styrene	12.18	104	477558	25.625	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	142046	28.269	ug/L	100
59) Bromoform	12.35	173	89913	27.622	ug/L	100
60) Isopropylbenzene	12.47	105	746746	25.116	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	103971	28.674	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	619997	25.217	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	610140	26.116	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	345881	24.130	ug/L	100
65) 1,4-Dichlorobenzene	13.58	146	348462	24.453	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	313454	25.073	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.49	75	24138	31.316	ug/L	100
69) 1,3,5-Trichlorobenzene	14.63	180	258276	24.531	ug/L	100
70) 1,2,4-trichlorobenzene	15.13	180	213269	25.156	ug/L	100
71) Naphthalene	15.37	128	387045	27.881	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	183636	25.285	ug/L	100

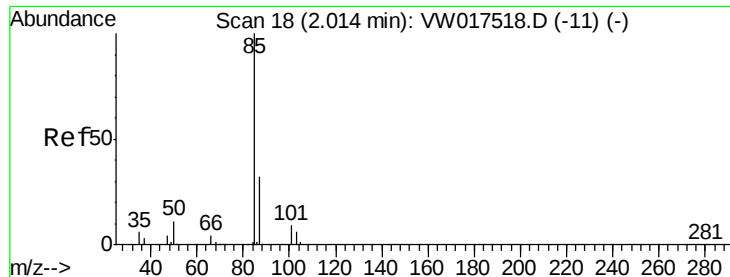
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#2

Dichlorodifluoromethane

Concen: 14.399 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

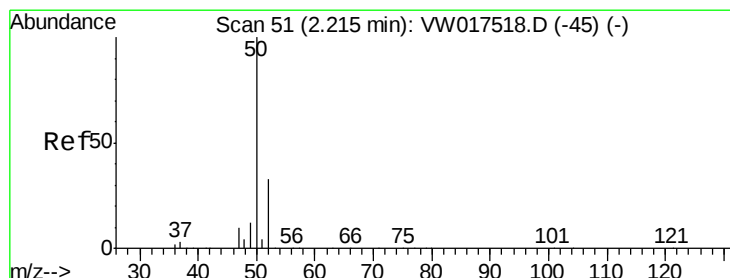
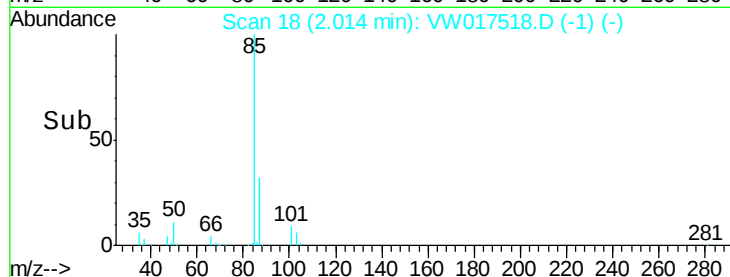
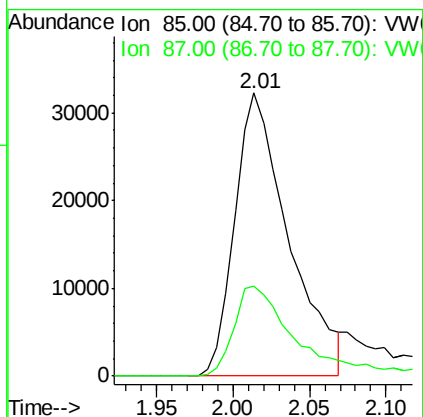
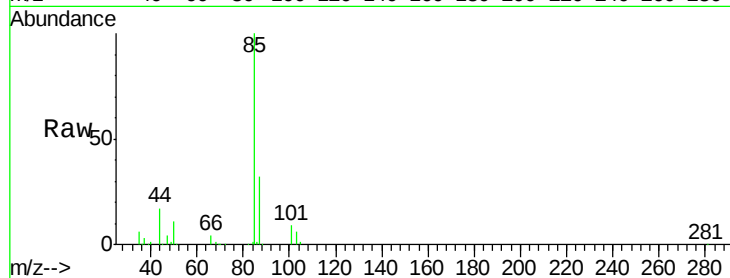
VSTD025104

Tgt Ion: 85 Resp: 78919

Ion Ratio Lower Upper

85 100

87 35.6 28.5 42.7



#3

Chloromethane

Concen: 18.908 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017518.D

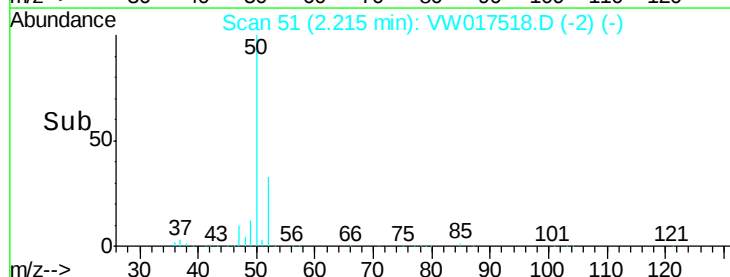
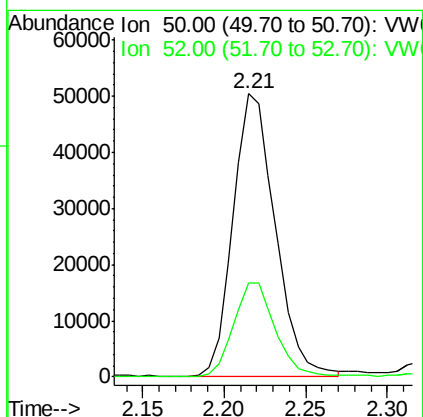
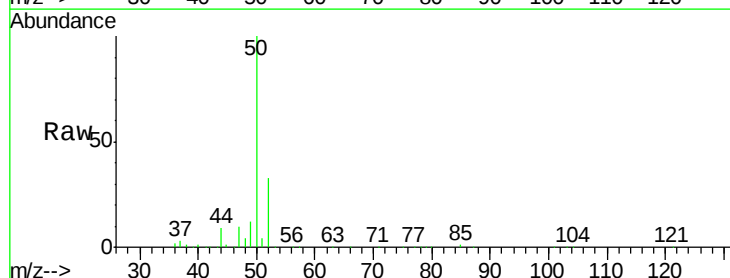
Acq: 02 Dec 2020 10:33

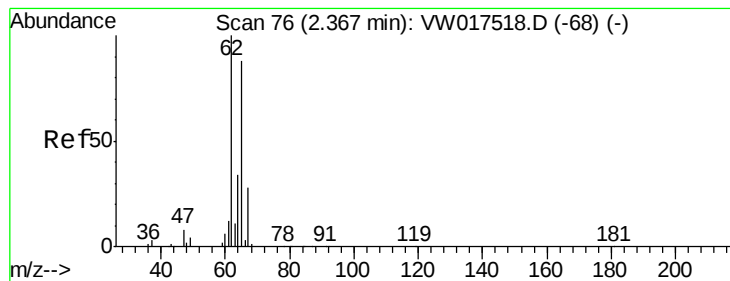
Tgt Ion: 50 Resp: 90635

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2





#5

Vinyl chloride

Concen: 23.044 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

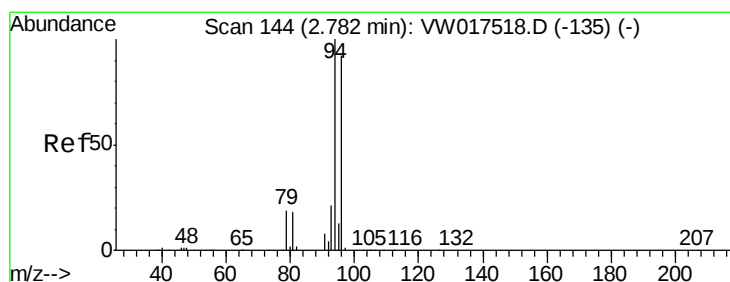
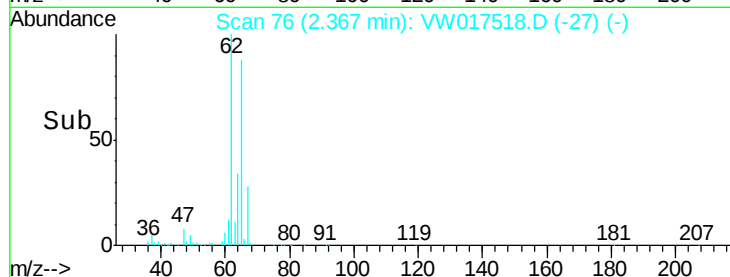
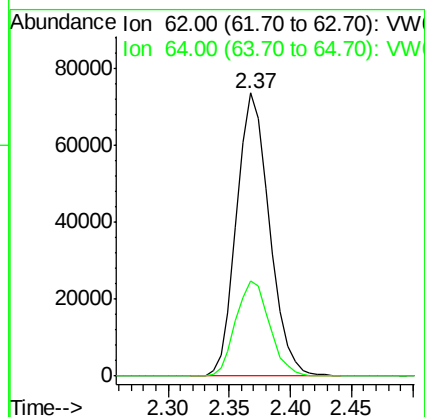
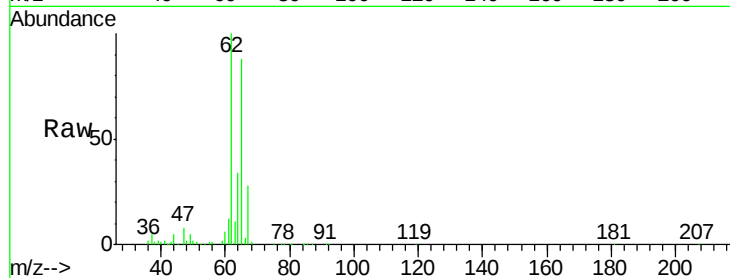
VSTD025104

Tgt Ion: 62 Resp: 137245

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 20.299 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017518.D

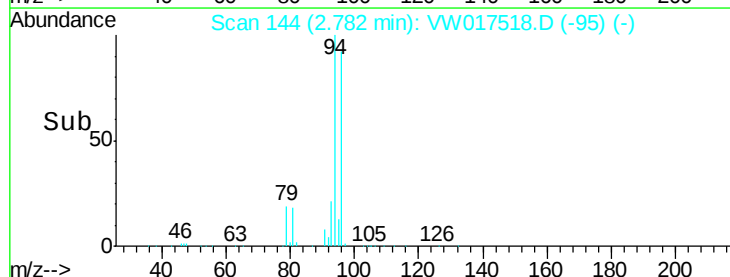
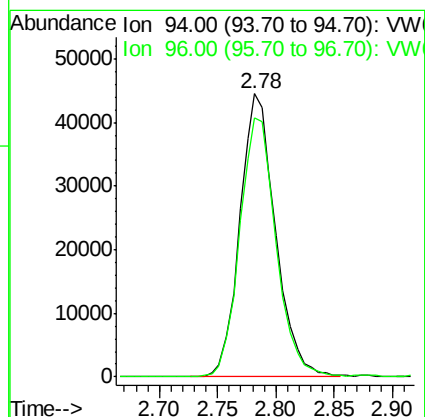
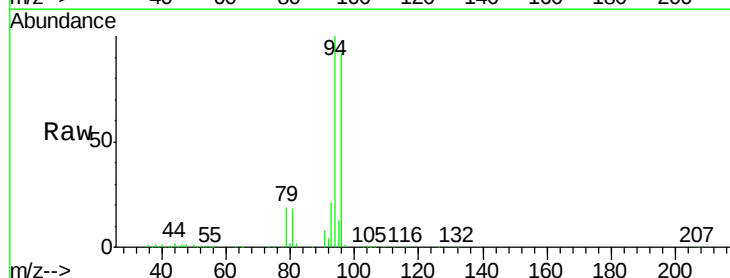
Acq: 02 Dec 2020 10:33

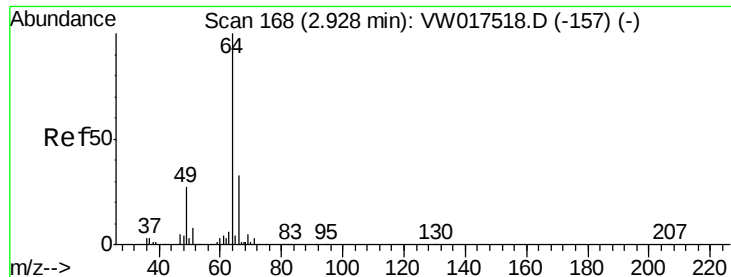
Tgt Ion: 94 Resp: 94624

Ion Ratio Lower Upper

94 100

96 91.7 64.2 119.2





#8

Chloroethane

Concen: 21.722 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

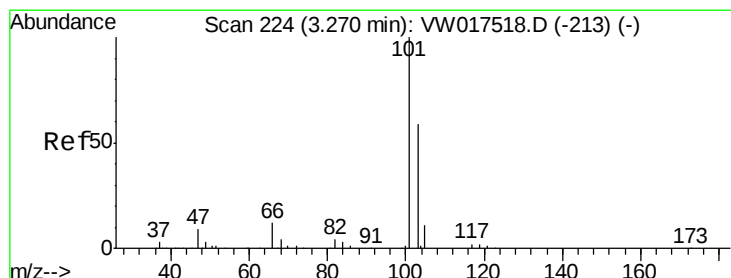
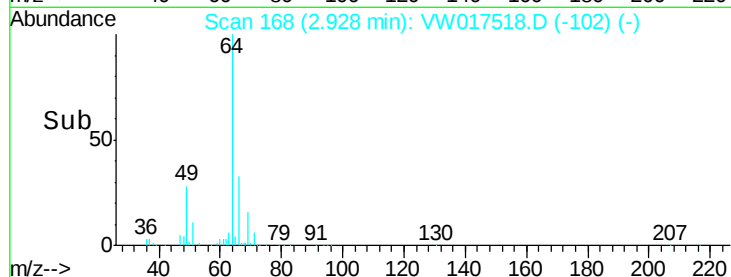
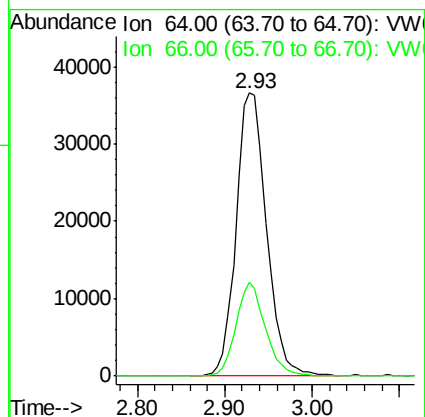
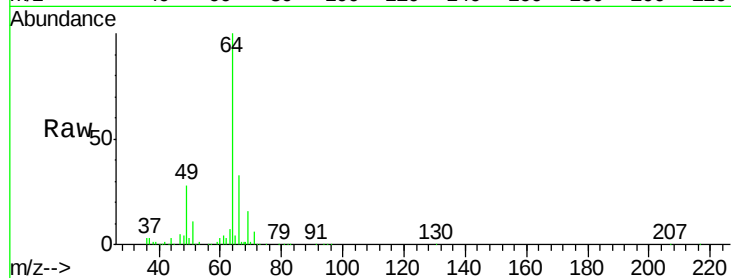
VSTD025104

Tgt Ion: 64 Resp: 88504

Ion Ratio Lower Upper

64 100

66 33.2 23.2 43.2



#9

Trichlorofluoromethane

Concen: 26.841 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017518.D

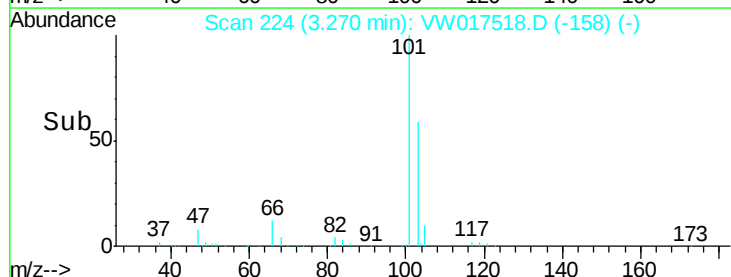
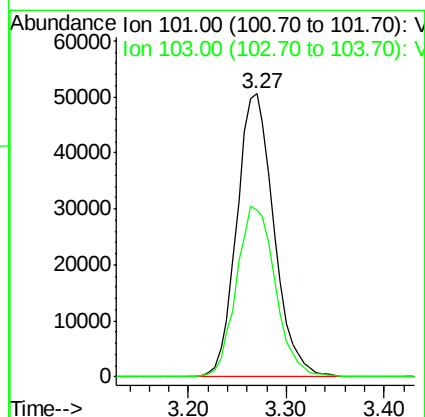
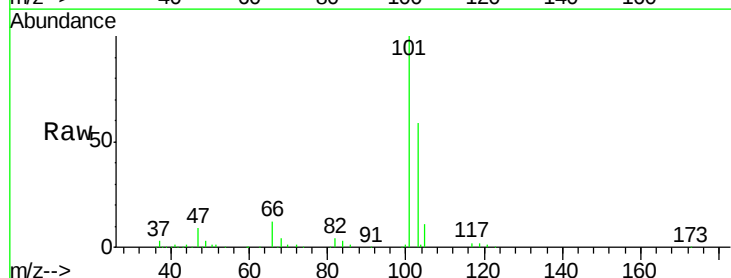
Acq: 02 Dec 2020 10:33

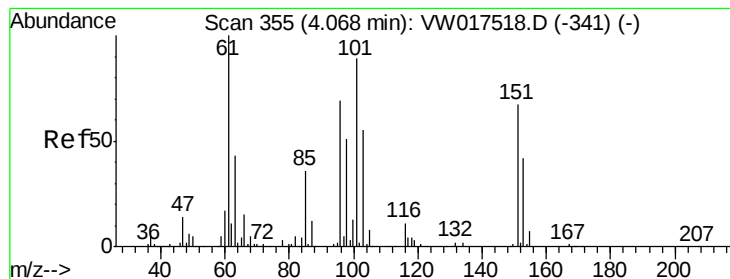
Tgt Ion: 101 Resp: 132854

Ion Ratio Lower Upper

101 100

103 63.2 50.6 75.8





#10

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

Concen: 23.410 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampled :

VSTD025104

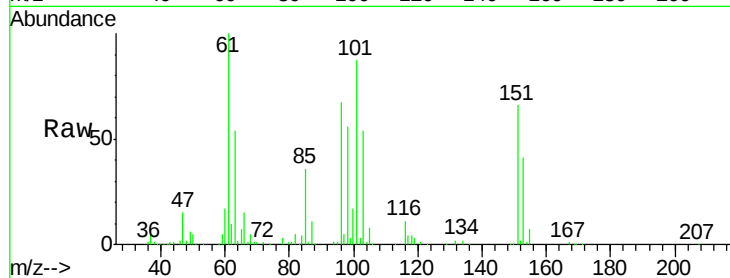
Tgt Ion:101 Resp: 154345

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

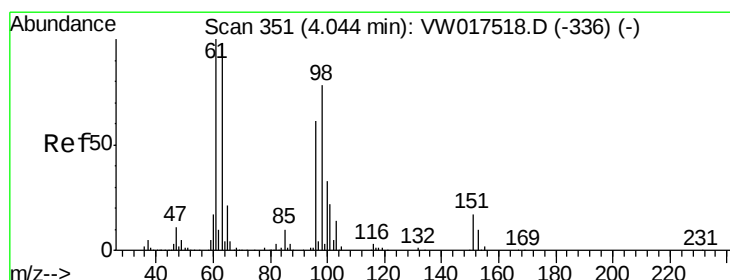
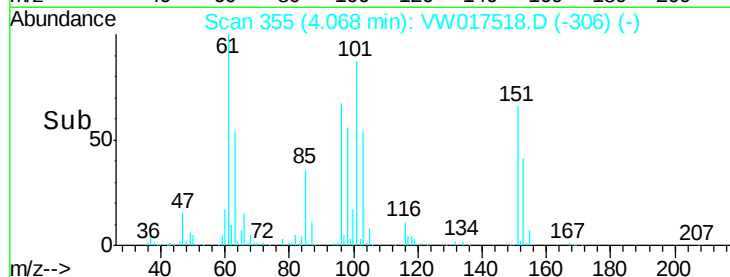
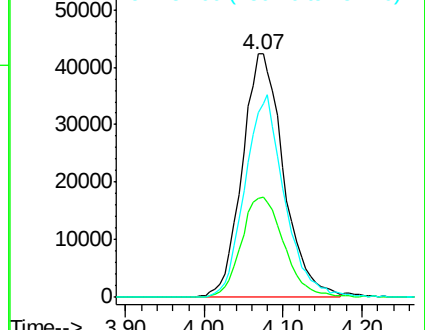
151 78.5 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.984 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

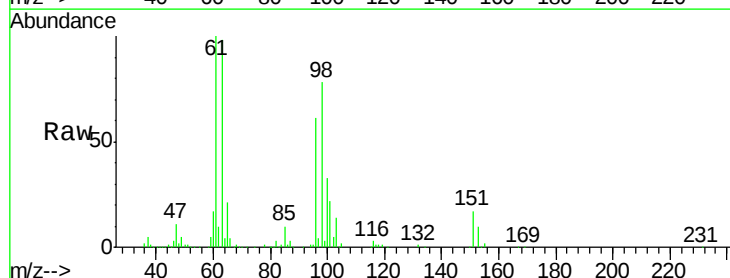
Tgt Ion: 96 Resp: 148683

Ion Ratio Lower Upper

96 100

61 164.3 115.0 213.6

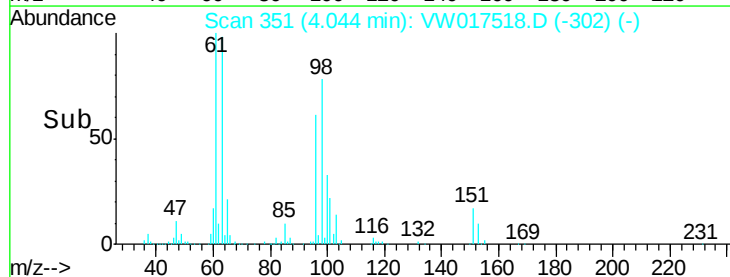
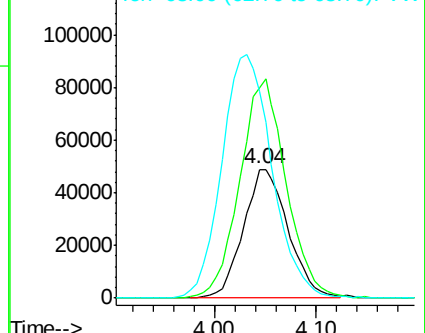
63 161.0 112.7 209.3

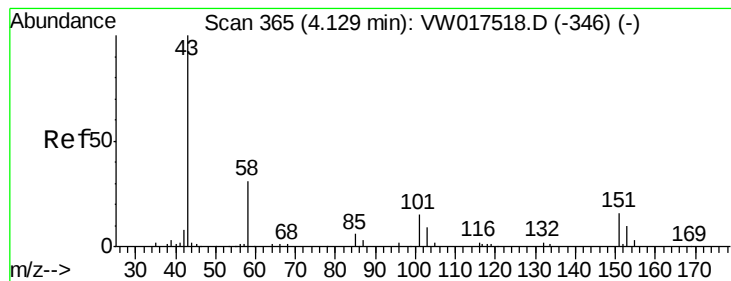


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 68.959 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017518.D

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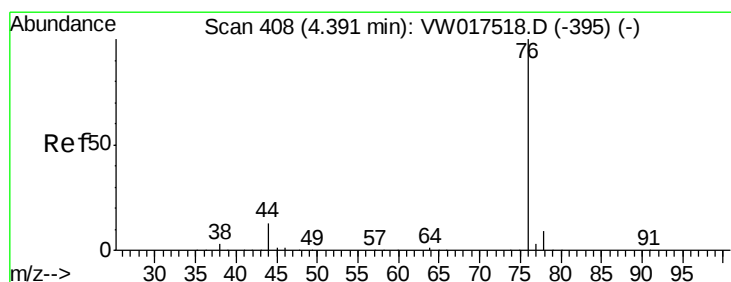
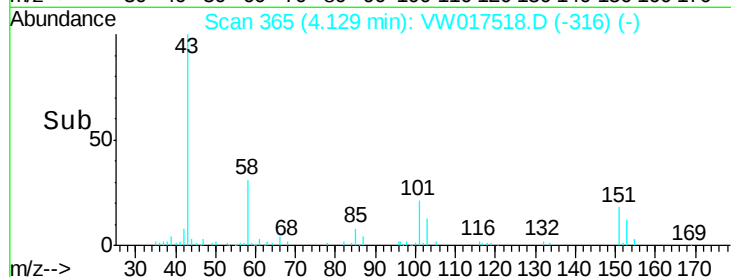
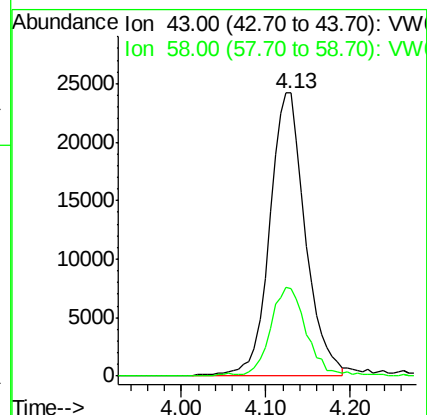
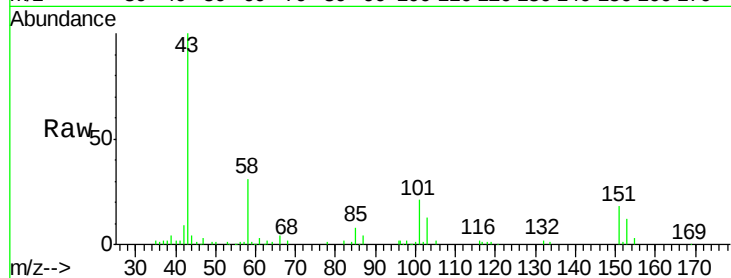
VSTD025104

Tgt Ion: 43 Resp: 70937

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 24.078 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017518.D

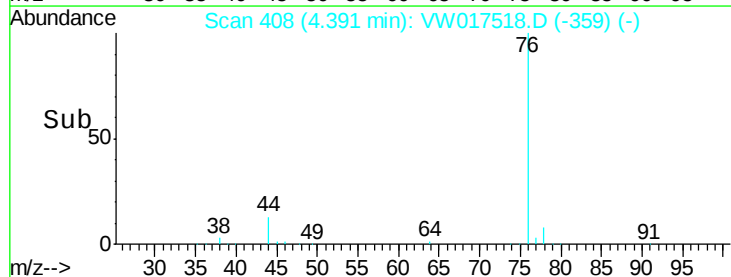
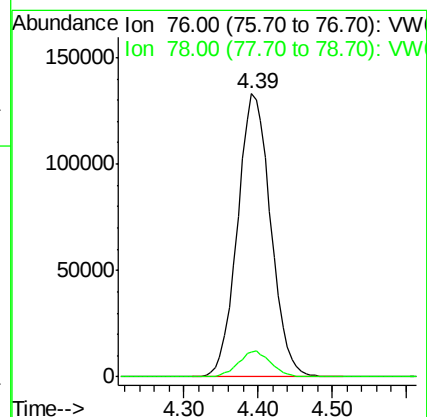
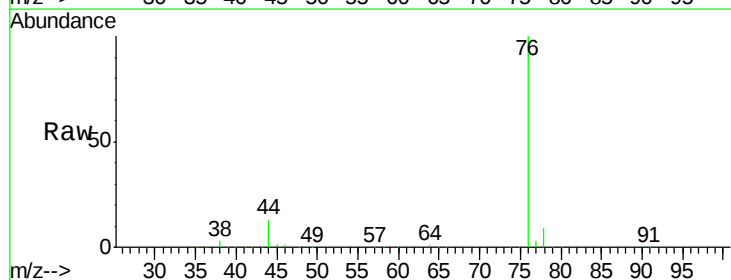
Acq: 02 Dec 2020 10:33

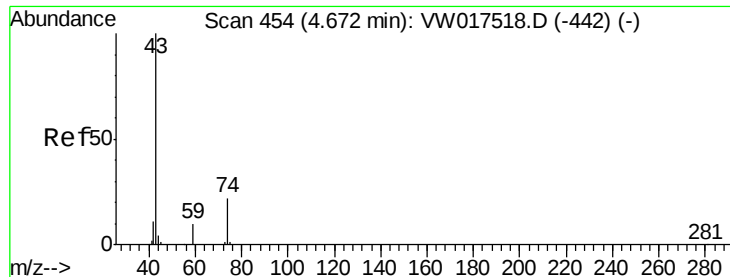
Tgt Ion: 76 Resp: 416148

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

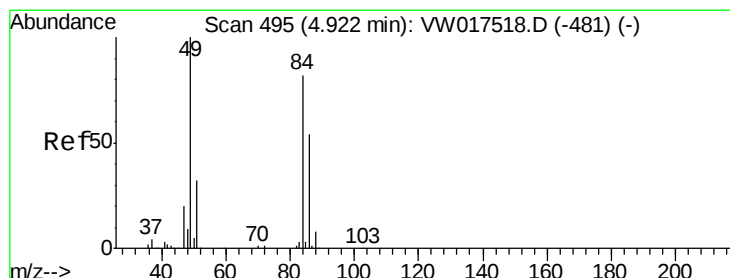
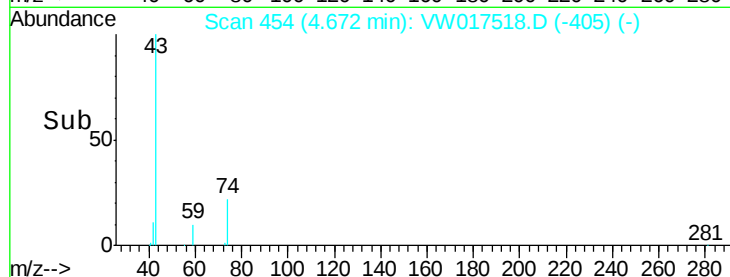
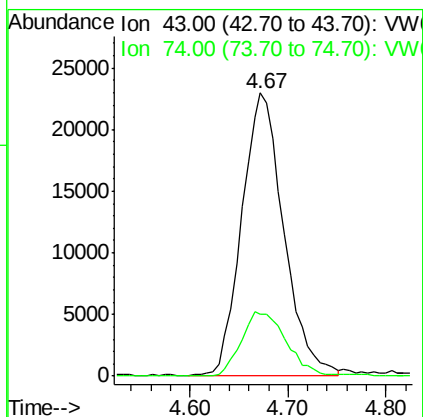
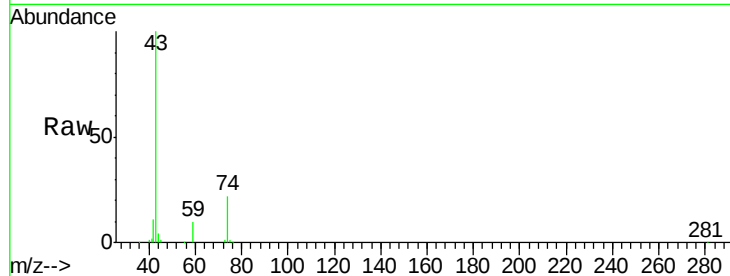




#15
Methyl Acetate
Concen: 31.992 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

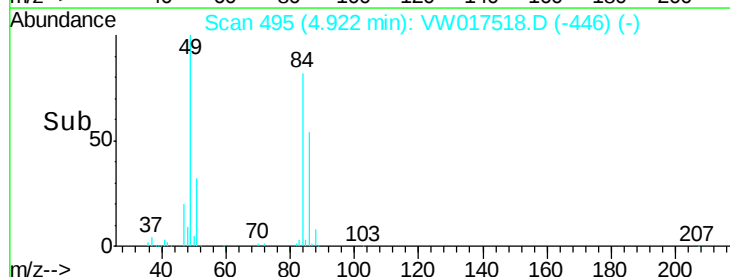
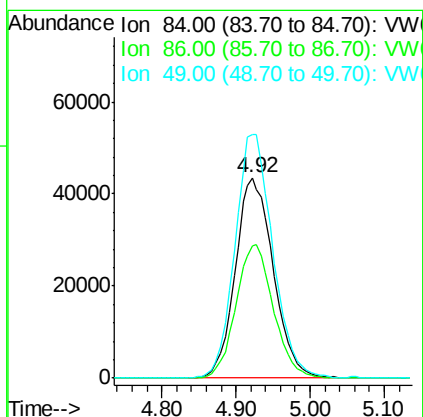
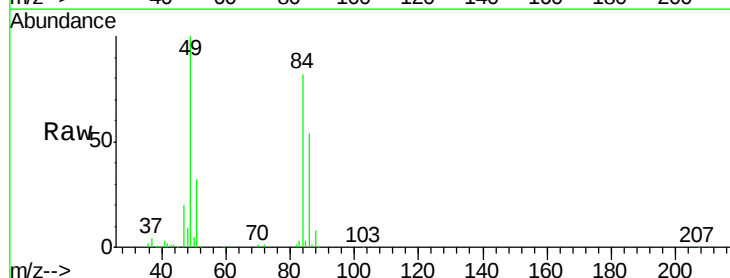
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

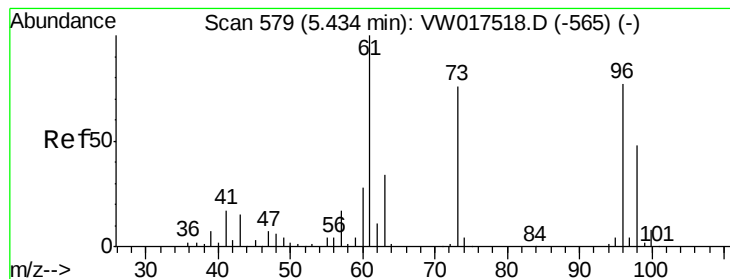
Tgt Ion: 43 Resp: 67940
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 22.057 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

Tgt Ion: 84 Resp: 155602
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 121.5 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 23.603 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

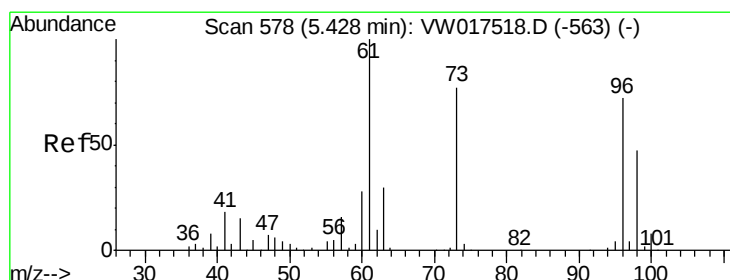
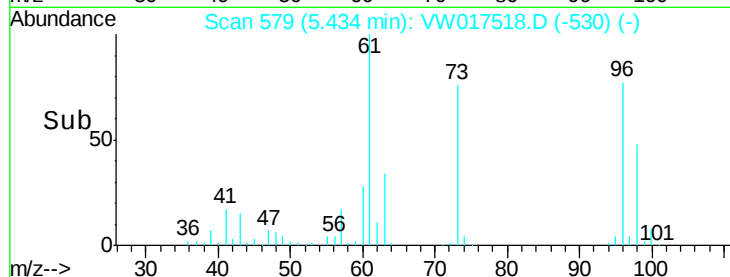
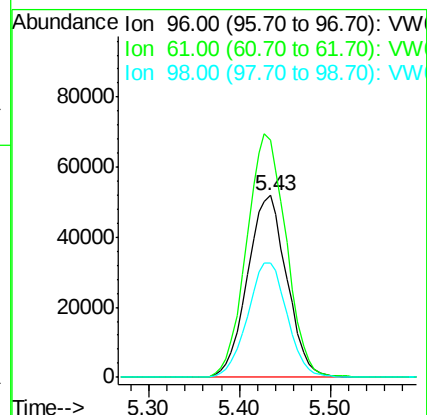
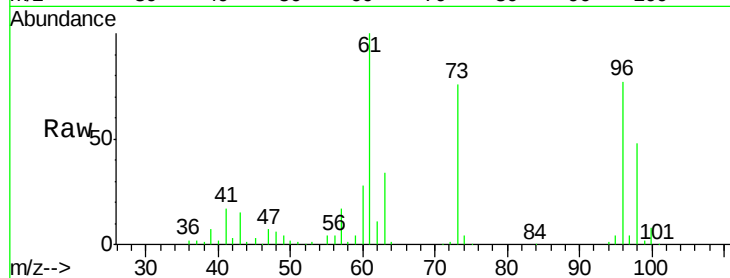
Tgt Ion: 96 Resp: 156066

Ion Ratio Lower Upper

96 100

61 130.6 91.4 169.8

98 62.9 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 26.225 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

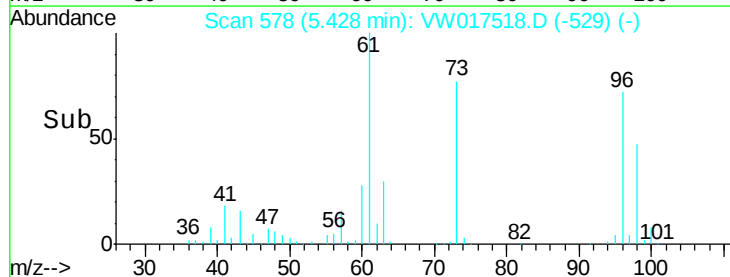
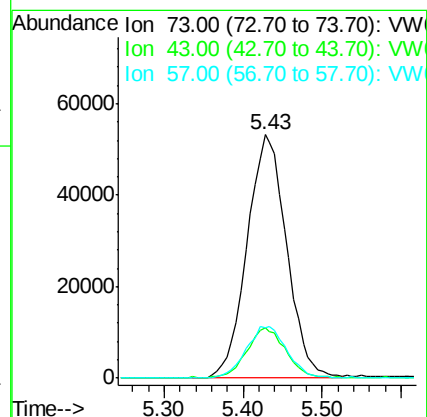
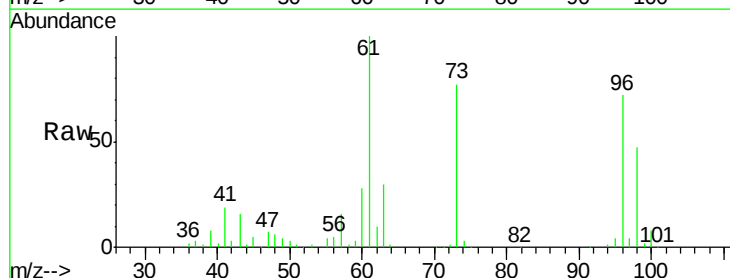
Tgt Ion: 73 Resp: 185680

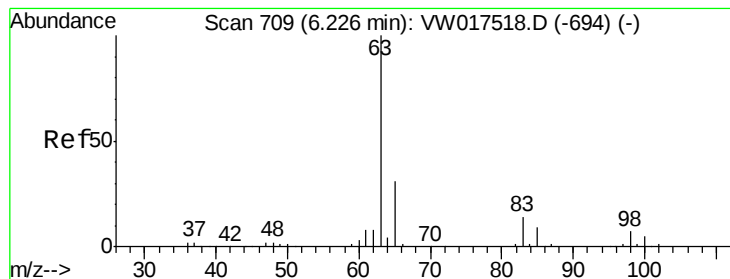
Ion Ratio Lower Upper

73 100

43 20.0 16.0 24.0

57 21.7 17.4 26.0





#19

1,1-Dichloroethane

Concen: 26.023 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

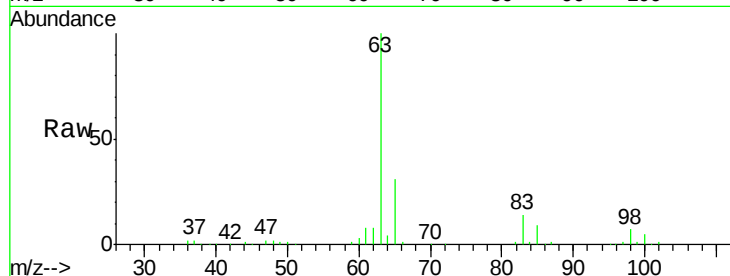
Tgt Ion: 63 Resp: 271492

Ion Ratio Lower Upper

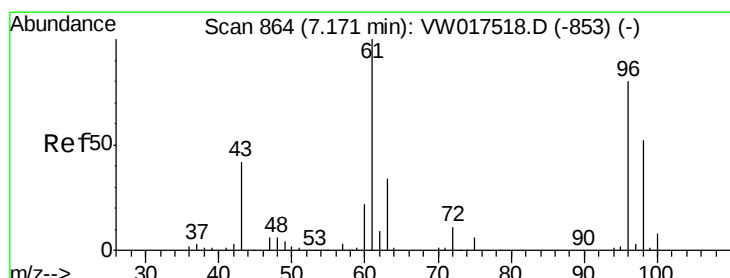
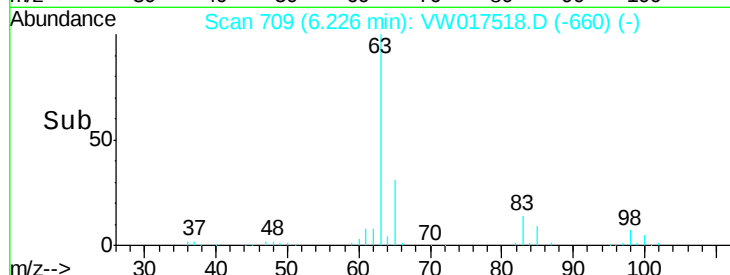
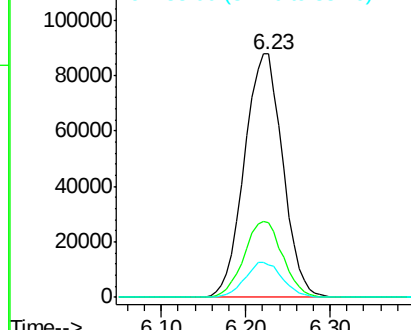
63 100

65 30.5 21.3 39.6

83 13.5 9.4 17.6



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



#20

cis-1,2-Dichloroethene

Concen: 25.127 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

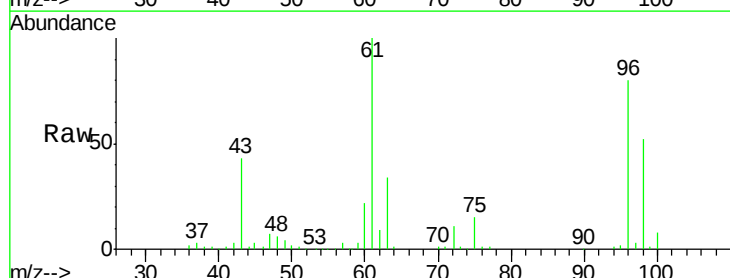
Tgt Ion: 96 Resp: 170232

Ion Ratio Lower Upper

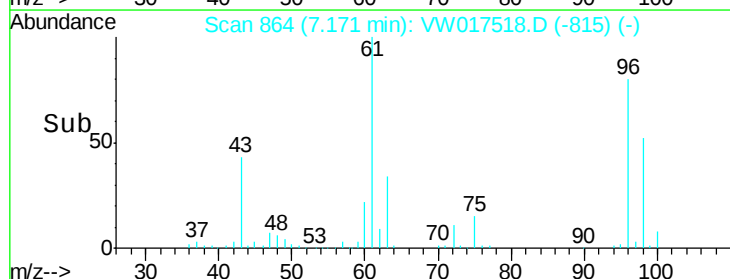
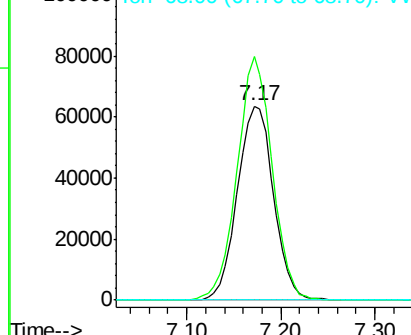
96 100

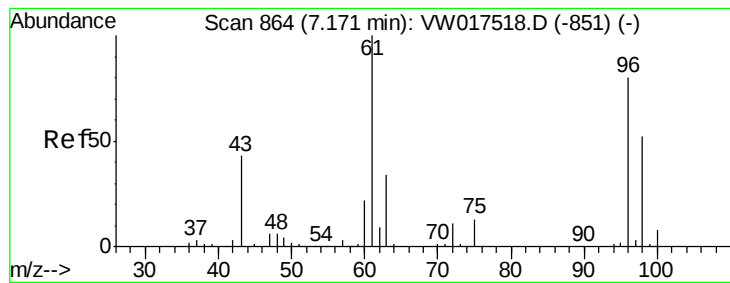
61 125.7 88.0 163.4

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 67.061 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

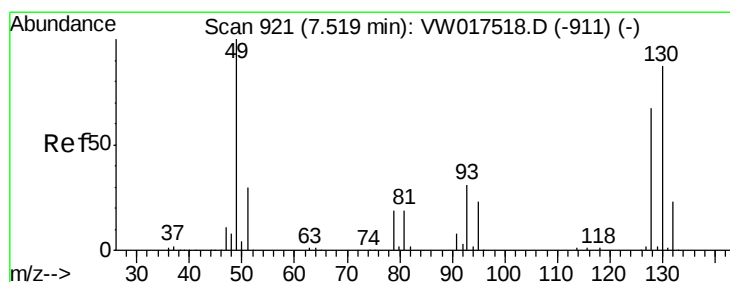
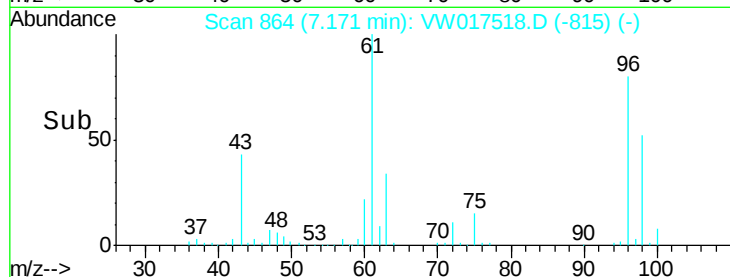
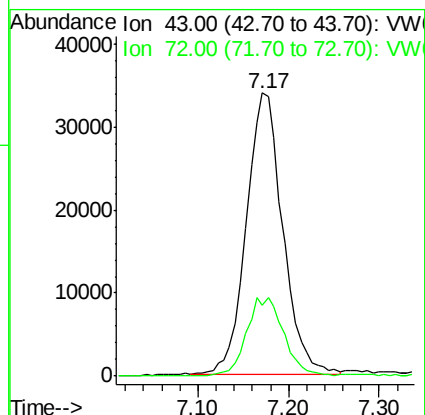
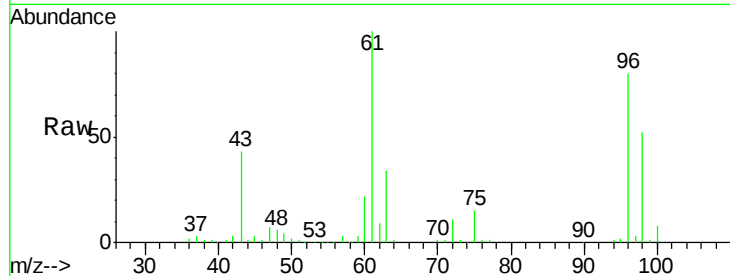
VSTD025104

Tgt Ion: 43 Resp: 94201

Ion Ratio Lower Upper

43 100

72 14.1 7.0 21.1



#23

Bromochloromethane

Concen: 24.680 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Tgt Ion: 128 Resp: 78935

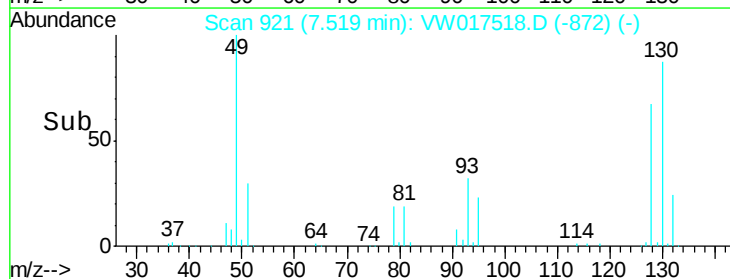
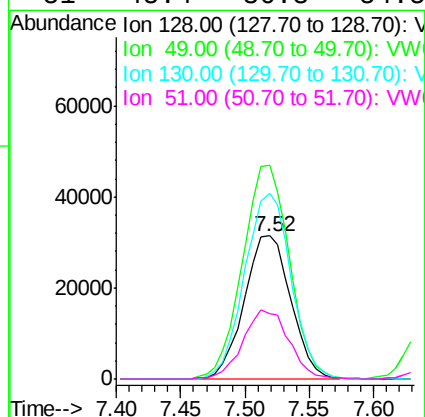
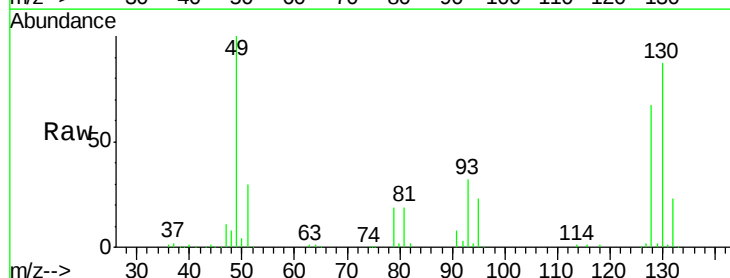
Ion Ratio Lower Upper

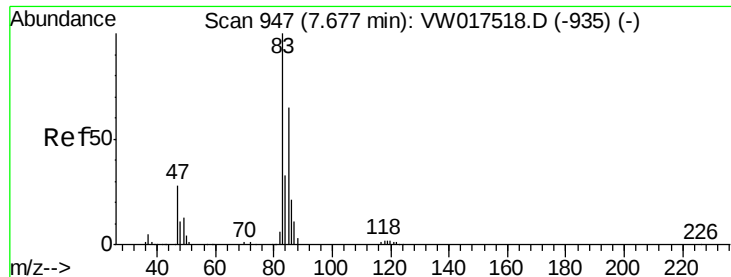
128 100

49 149.5 104.7 194.4

130 129.7 90.8 168.6

51 45.4 36.3 54.5

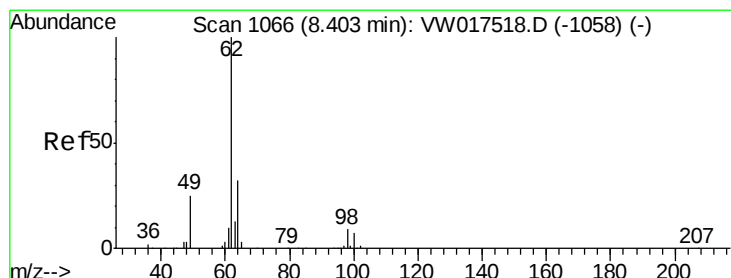
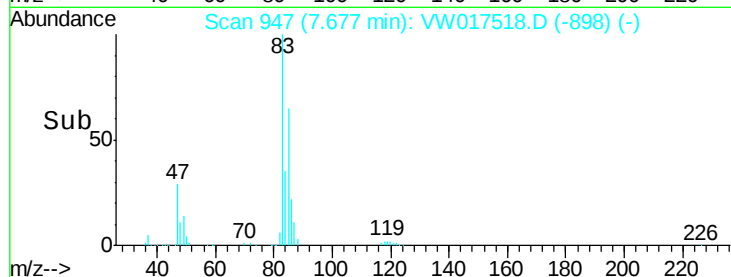
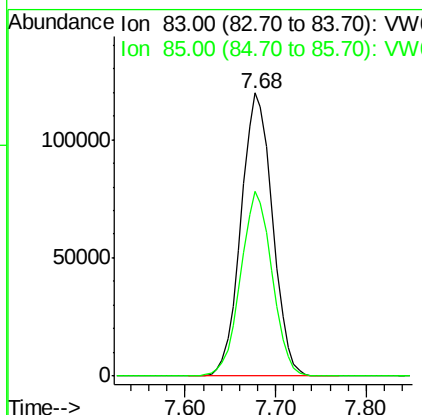
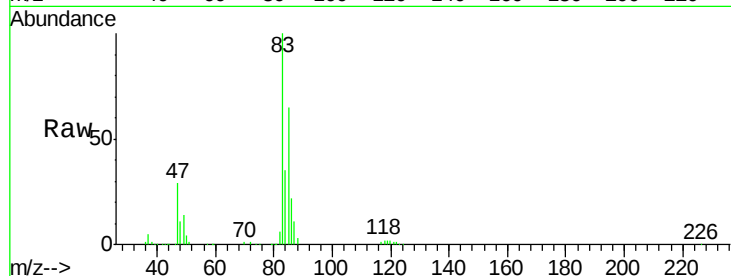




#25
Chloroform
Concen: 25.821 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

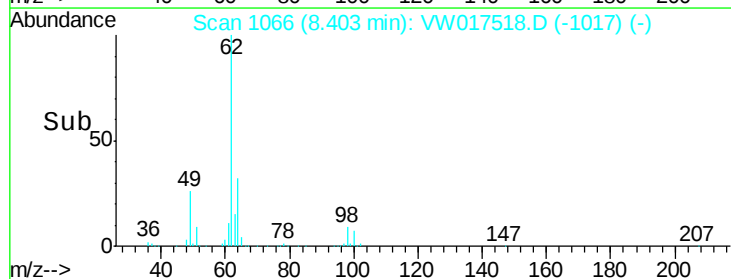
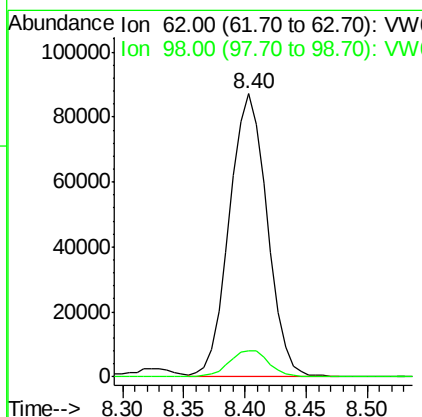
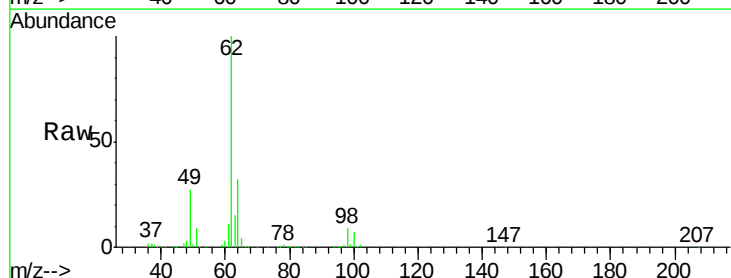
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

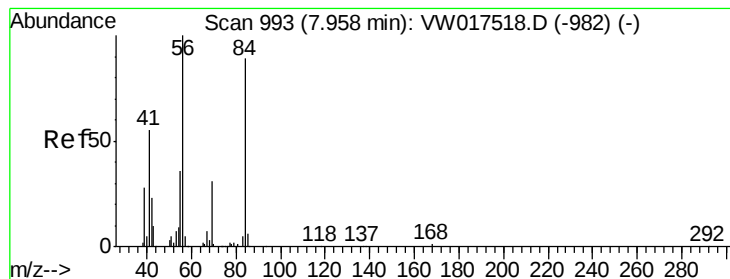
Tgt Ion: 83 Resp: 289631
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 27.653 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

Tgt Ion: 62 Resp: 187008
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#29

Cyclohexane

Concen: 25.396 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

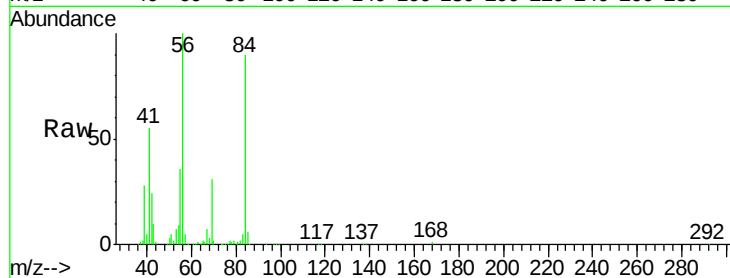
Tgt Ion: 56 Resp: 238216

Ion Ratio Lower Upper

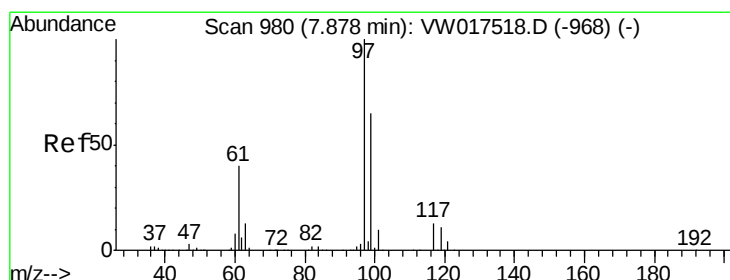
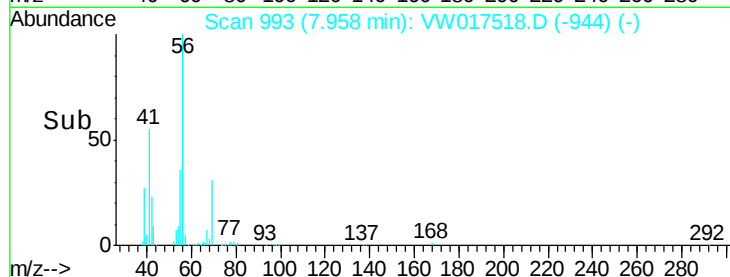
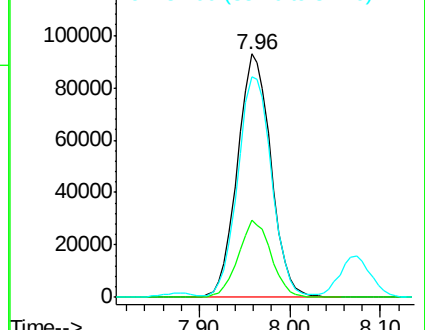
56 100

69 31.0 24.8 37.2

84 91.6 73.3 109.9



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



#30

1,1,1-Trichloroethane

Concen: 25.532 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

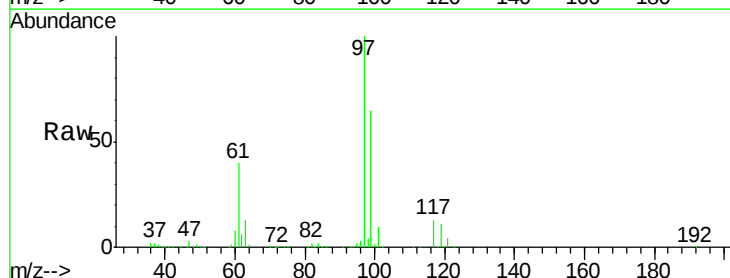
Tgt Ion: 97 Resp: 244043

Ion Ratio Lower Upper

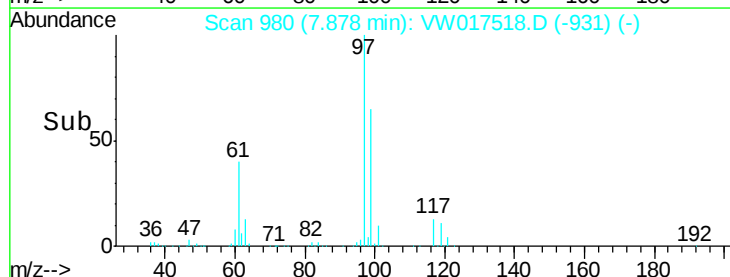
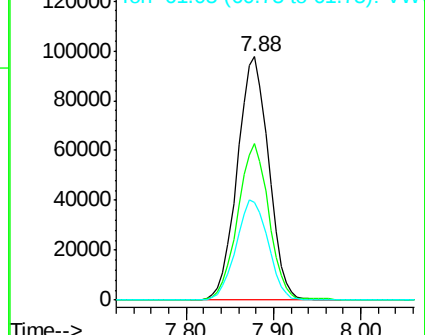
97 100

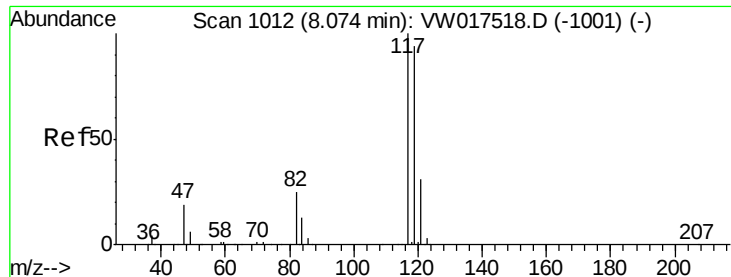
99 63.7 51.0 76.4

61 42.1 33.7 50.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW

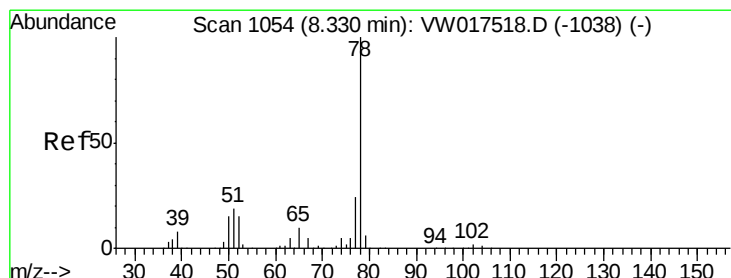
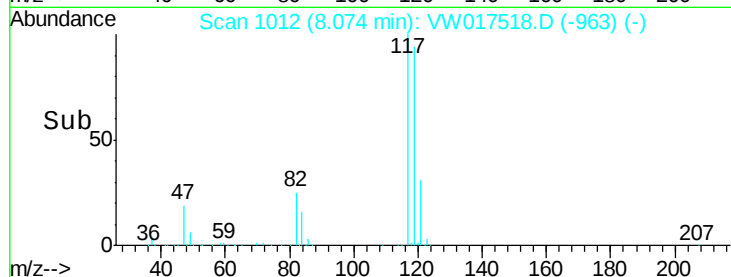
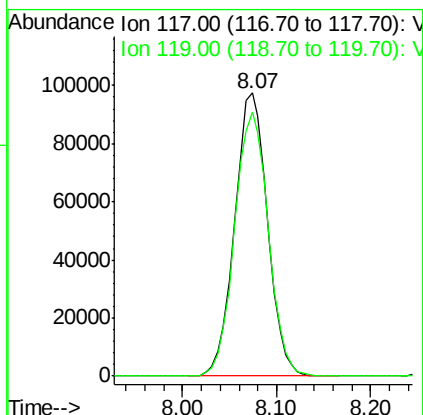
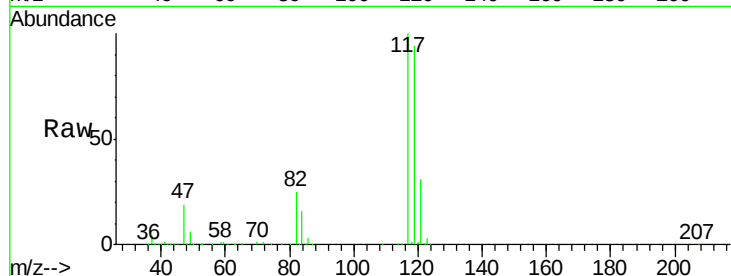




#31
Carbon tetrachloride
Concen: 25.471 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

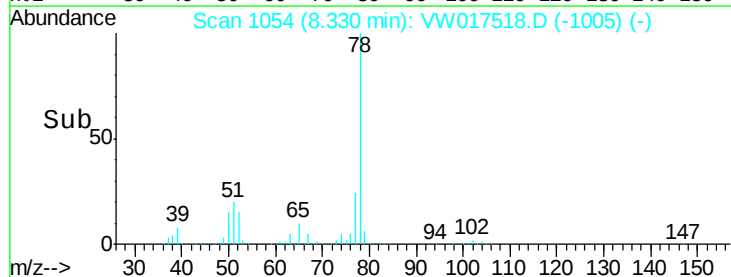
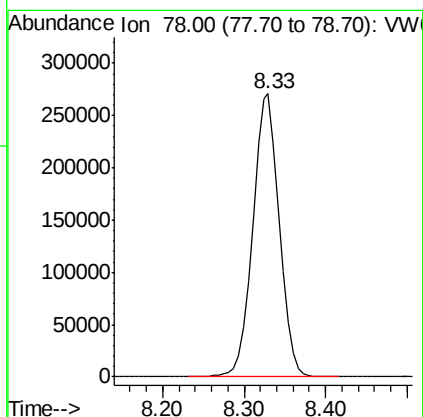
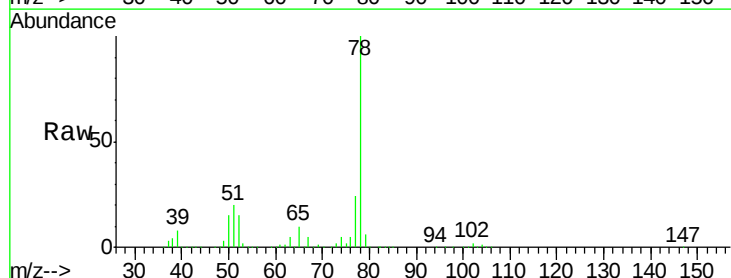
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

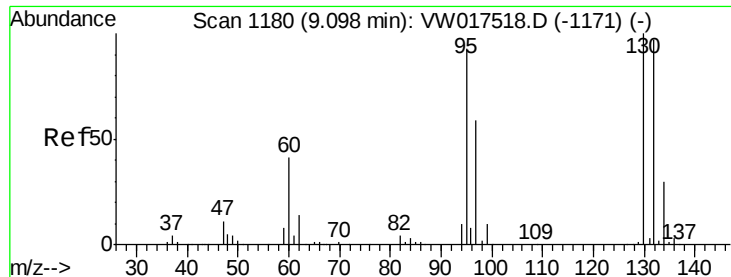
Tgt Ion:117 Resp: 237010
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8



#33
Benzene
Concen: 25.051 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

Tgt Ion: 78 Resp: 612454

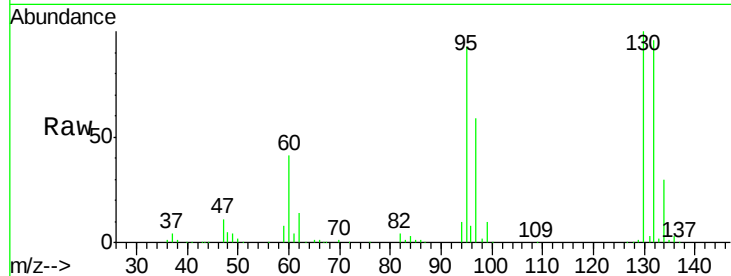




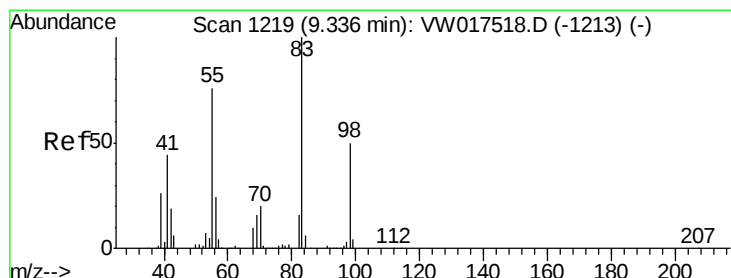
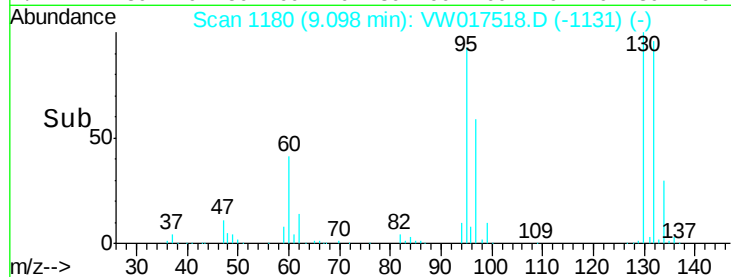
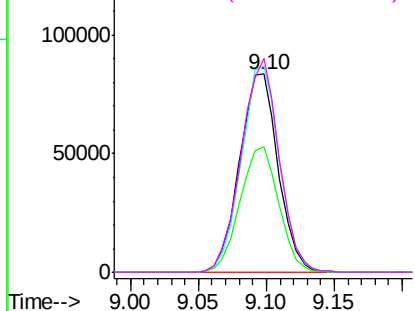
#34
 Trichloroethene
 Concen: 24.091 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD025104

Tgt Ion: 95 Resp: 166440
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.4 82.4
 132 103.9 72.7 135.1
 130 107.7 75.4 140.0

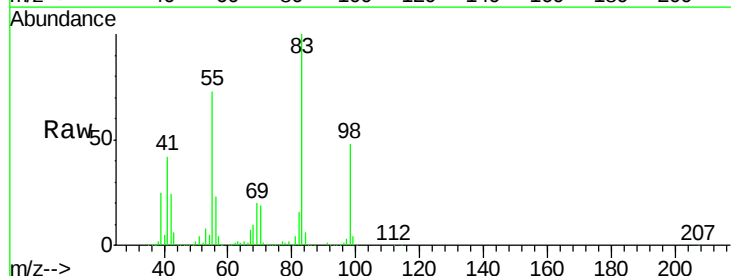


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

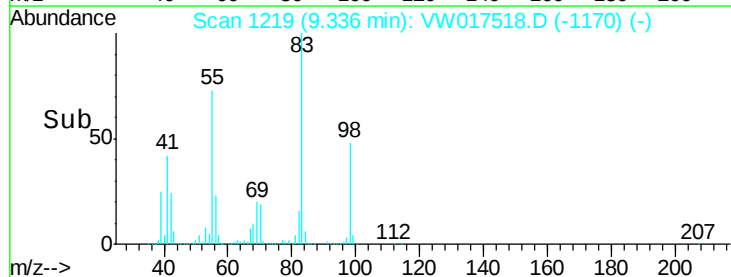
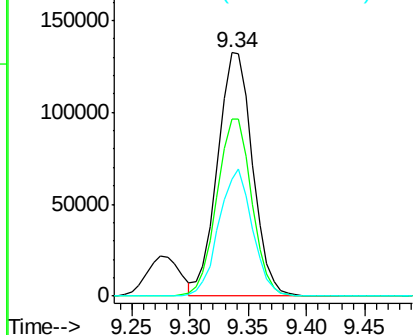


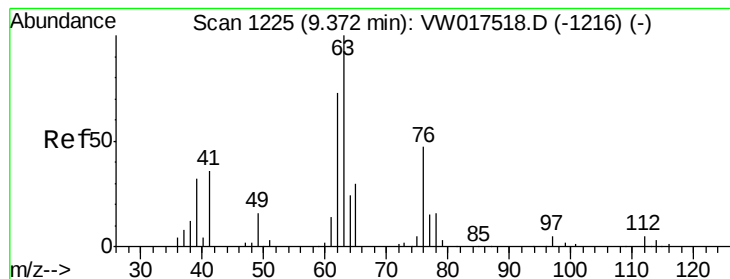
#35
 Methylcyclohexane
 Concen: 24.146 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

Tgt Ion: 83 Resp: 275590
 Ion Ratio Lower Upper
 83 100
 55 72.7 58.2 87.2
 98 49.9 39.9 59.9



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 26.511 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

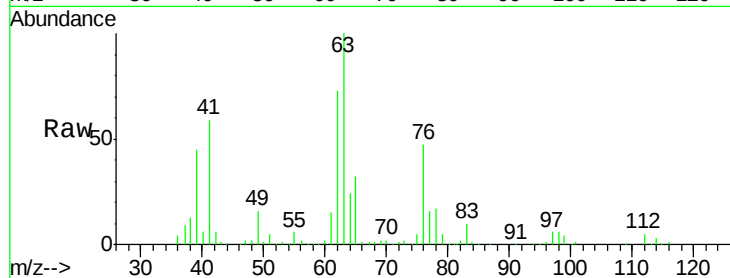
VSTD025104

Tgt Ion: 63 Resp: 150056

Ion Ratio Lower Upper

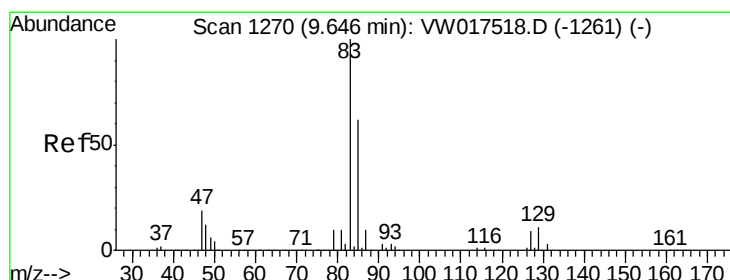
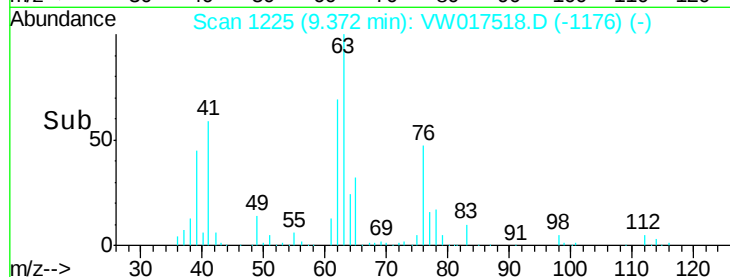
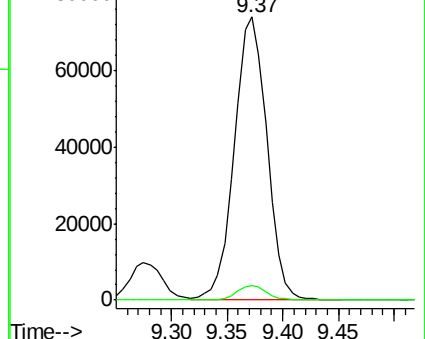
63 100

112 4.8 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 26.815 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

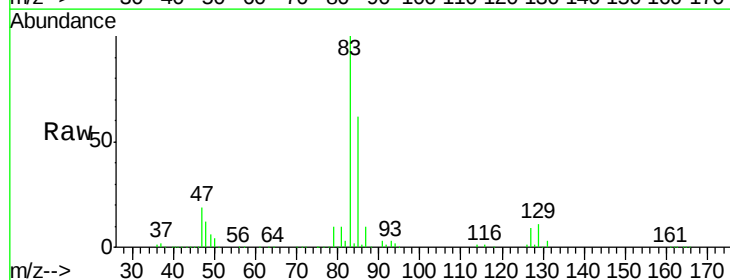
Tgt Ion: 83 Resp: 212305

Ion Ratio Lower Upper

83 100

85 61.9 43.3 80.5

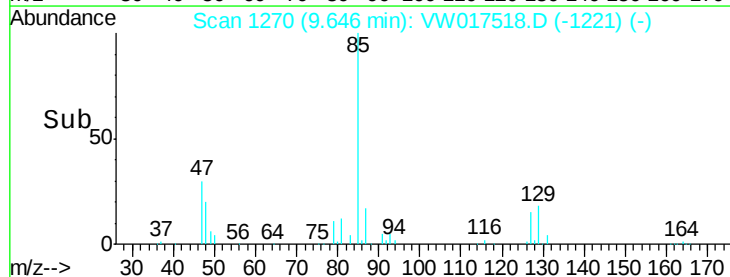
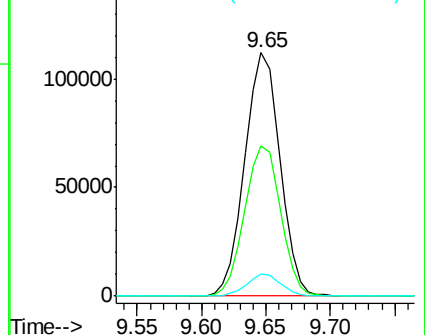
127 9.0 7.2 10.8

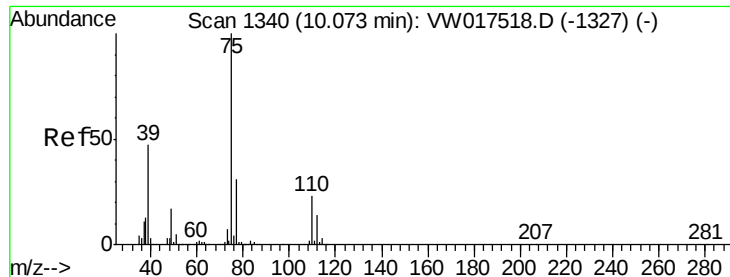


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 27.064 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

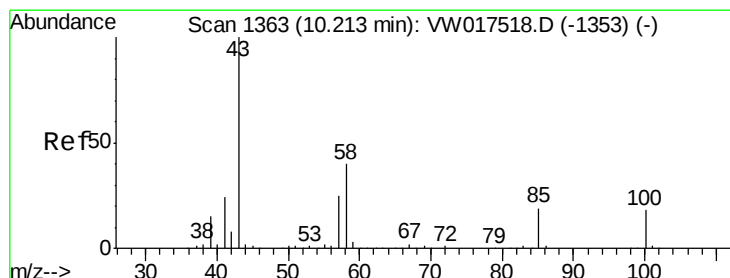
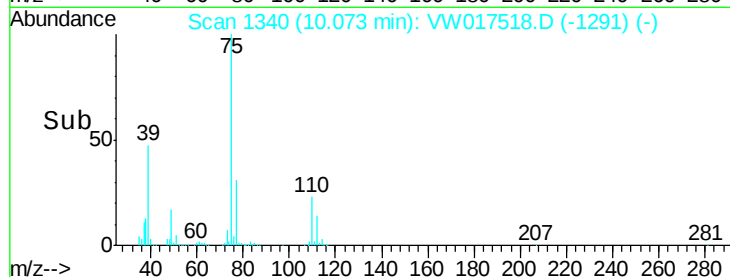
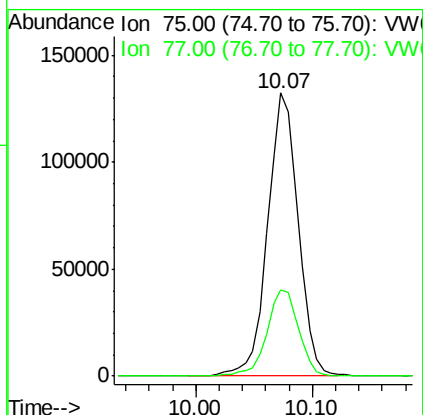
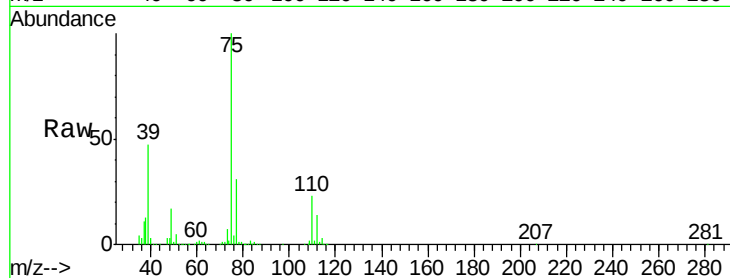
VSTD025104

Tgt Ion: 75 Resp: 241352

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 60.531 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

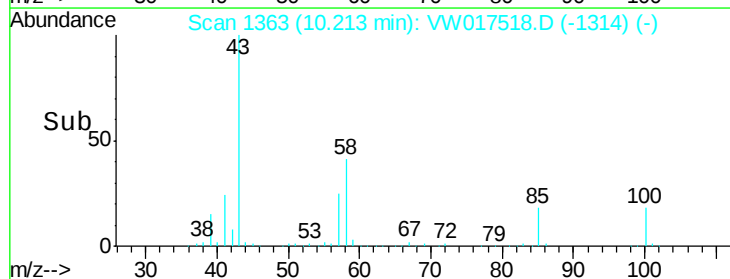
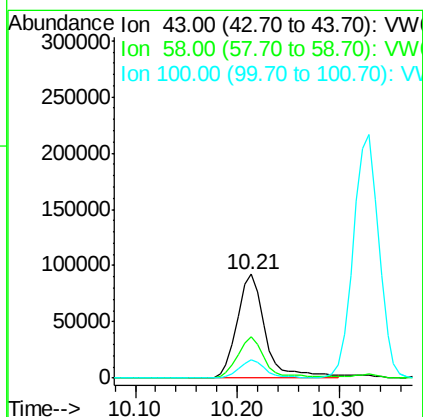
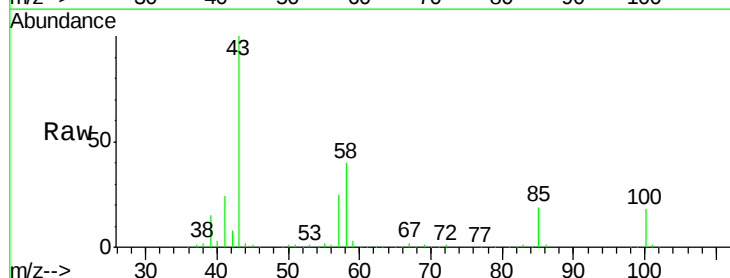
Tgt Ion: 43 Resp: 176937

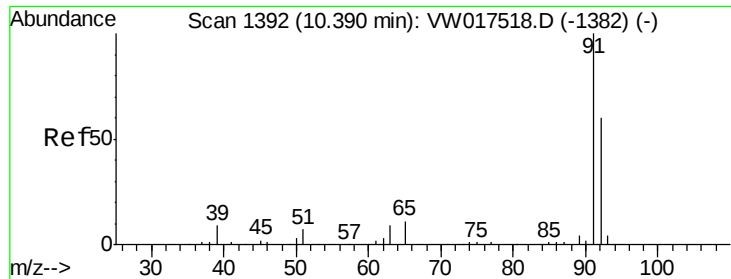
Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2

100 16.1 12.9 19.3





#42

Toluene

Concen: 24.662 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

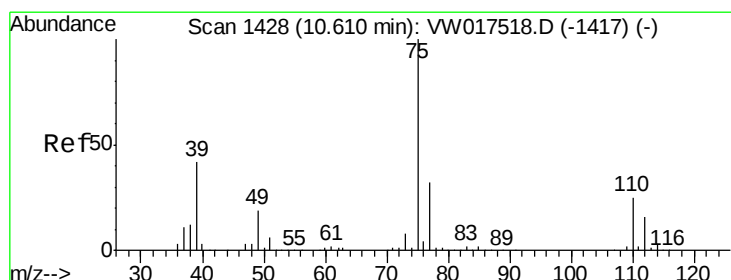
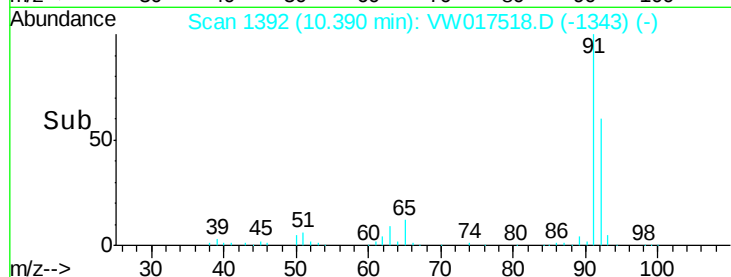
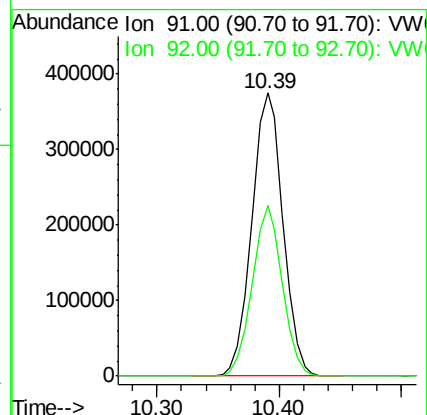
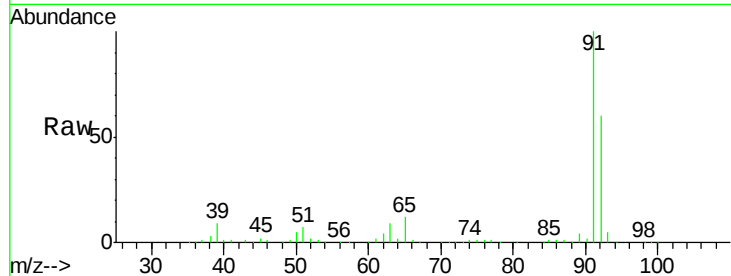
VSTD025104

Tgt Ion: 91 Resp: 664946

Ion Ratio Lower Upper

91 100

92 60.4 42.3 78.5



#44

trans-1,3-Dichloropropene

Concen: 28.146 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017518.D

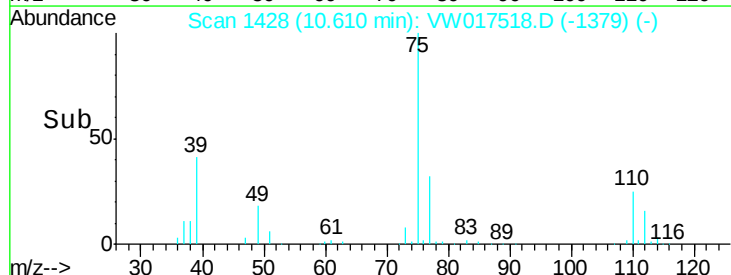
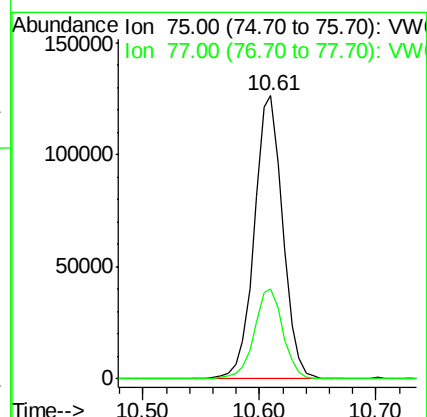
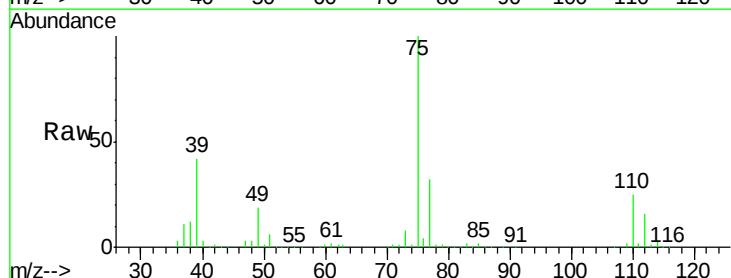
Acq: 02 Dec 2020 10:33

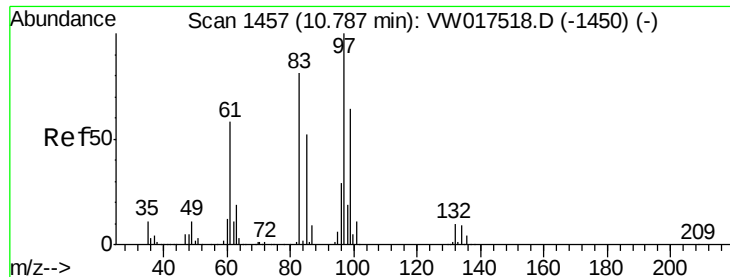
Tgt Ion: 75 Resp: 215818

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 26.078 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

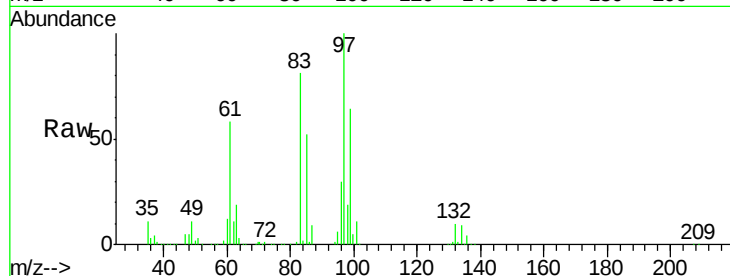
MSVOA_W

ClientSampled :

VSTD025104

Tgt Ion: 97 Resp: 119285

Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.5	82.7
83	81.0	56.7	105.3
85	52.1	36.5	67.7



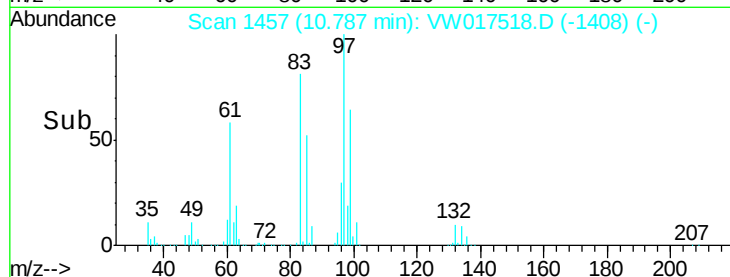
Abundance

Ion 97.00 (96.70 to 97.70): VW

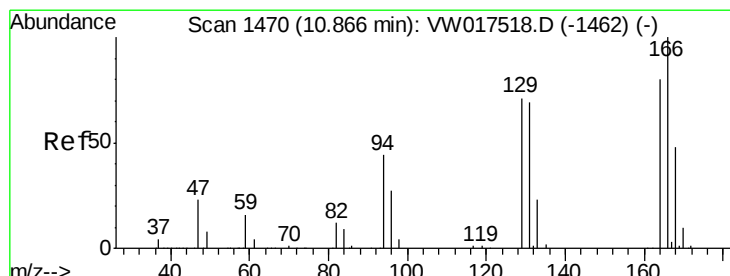
Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#46

Tetrachloroethene

Concen: 22.311 ug/L

RT: 10.87 min Scan# 1470

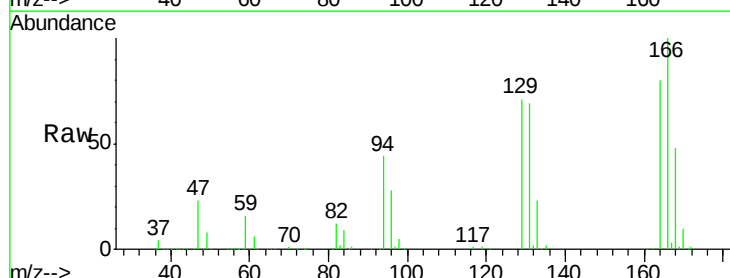
Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Tgt Ion: 164 Resp: 138635

Ion	Ratio	Lower	Upper
164	100		
129	88.5	61.9	115.1
131	86.3	60.4	112.2
166	125.0	87.5	162.5



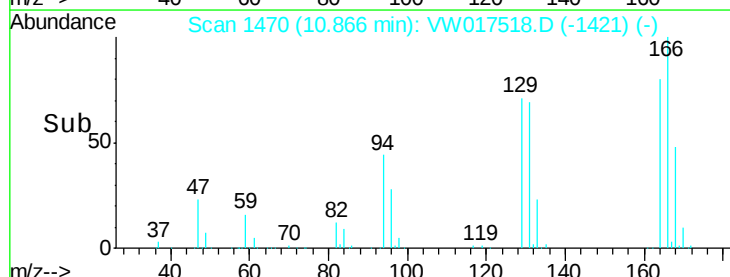
Abundance

Ion 164.00 (163.70 to 164.70): V

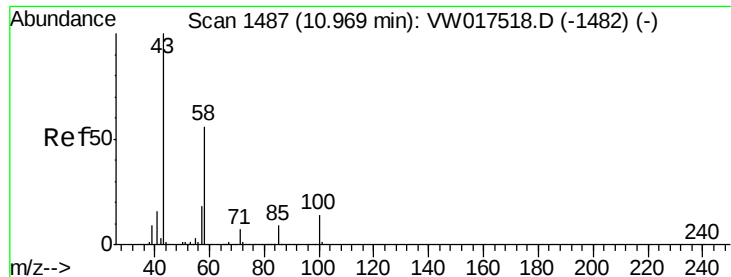
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



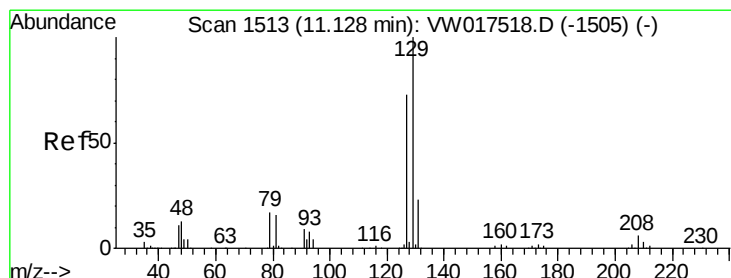
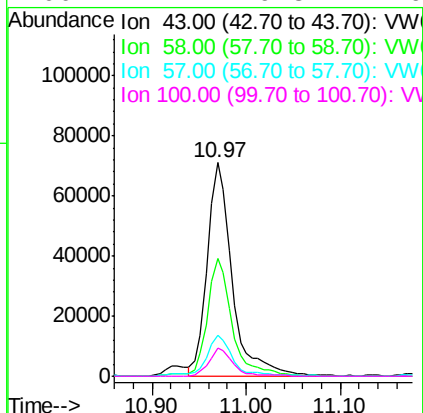
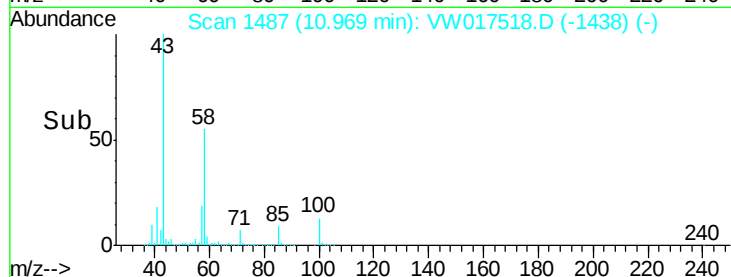
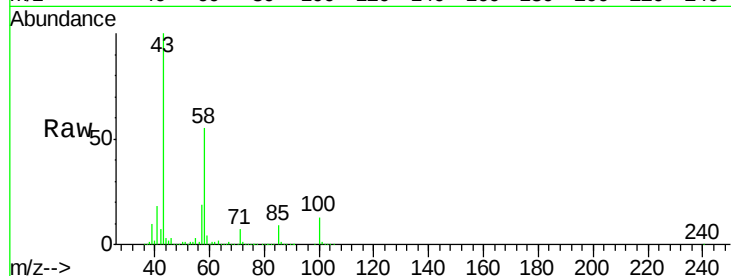
Time-->



#48
2-Hexanone
Concen: 65.842 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

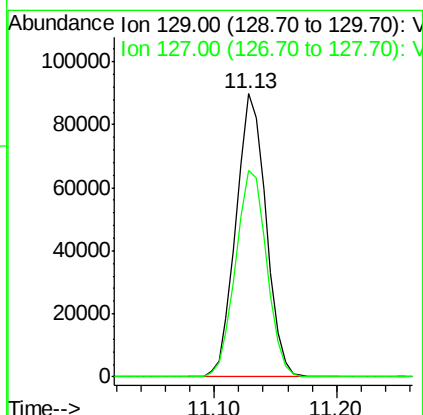
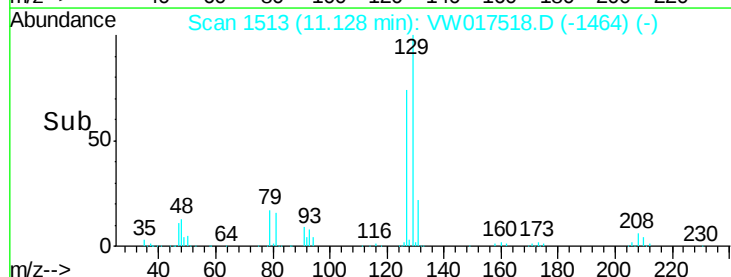
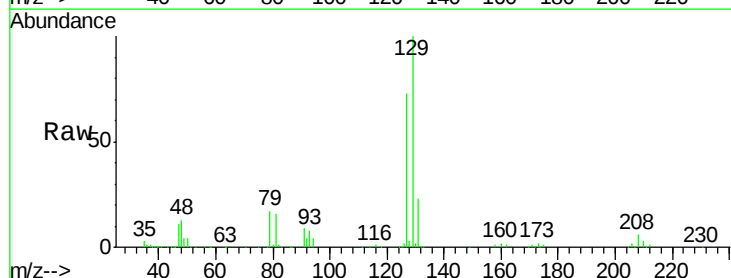
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

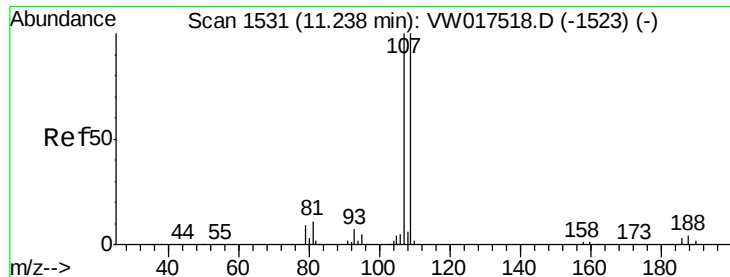
Tgt Ion: 43 Resp: 130604
Ion Ratio Lower Upper
43 100
58 55.6 44.5 66.7
57 18.4 14.7 22.1
100 12.2 9.8 14.6



#49
Dibromochloromethane
Concen: 27.093 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

Tgt Ion: 129 Resp: 152862
Ion Ratio Lower Upper
129 100
127 73.2 51.2 95.2

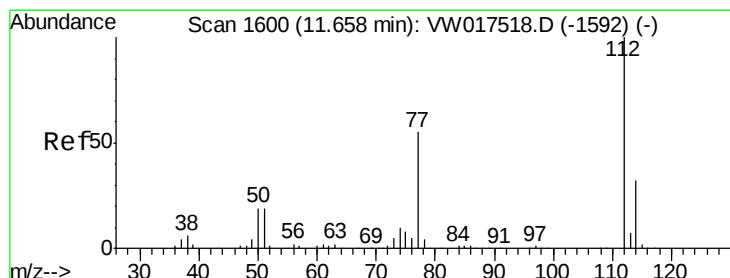
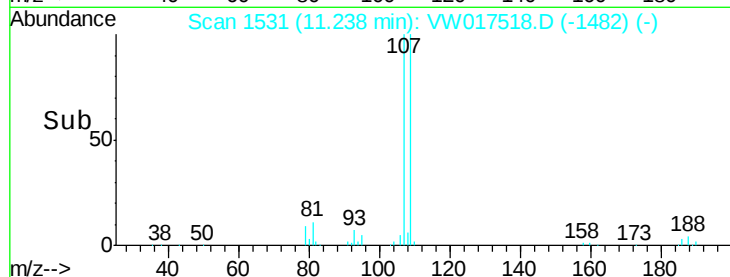
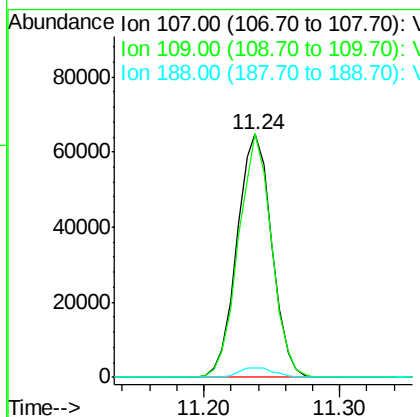
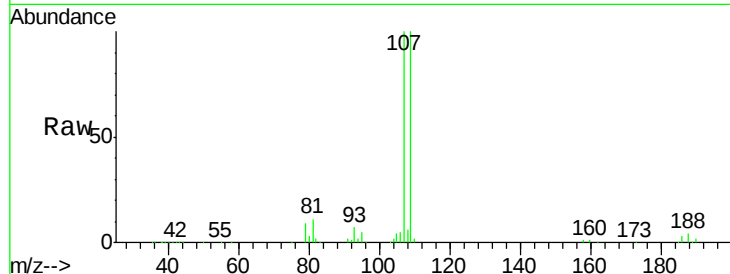




#50
1,2-Dibromoethane
Concen: 26.243 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

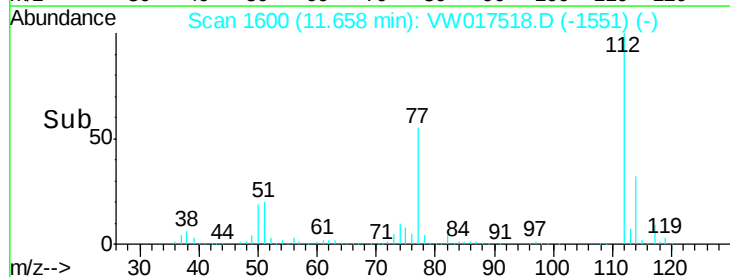
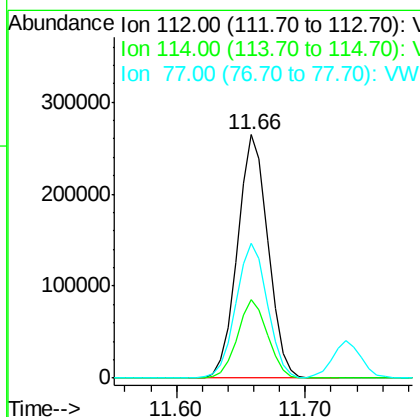
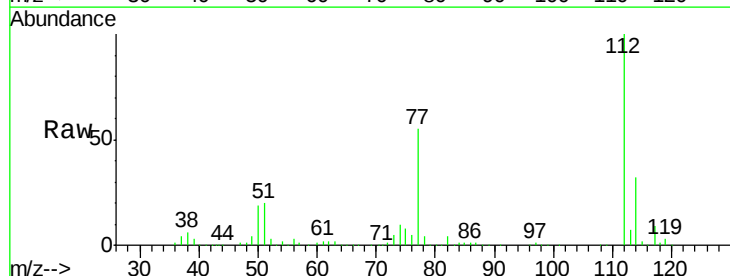
Instrument :
MSVOA_W
ClientSampleId :
VSTD025104

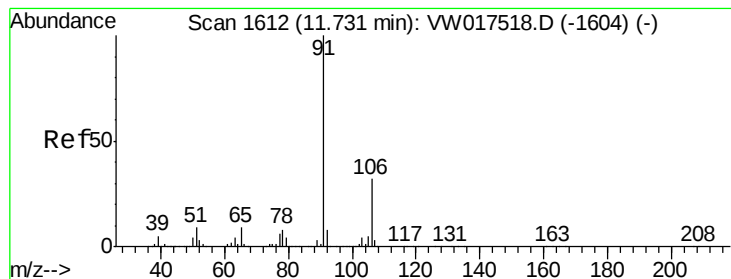
Tgt Ion:107 Resp: 115263
Ion Ratio Lower Upper
107 100
109 100.1 70.1 130.1
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 24.028 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017518.D
Acq: 02 Dec 2020 10:33

Tgt Ion:112 Resp: 433260
Ion Ratio Lower Upper
112 100
114 32.3 22.6 42.0
77 55.4 44.3 66.5





#52

Ethylbenzene

Concen: 25.013 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

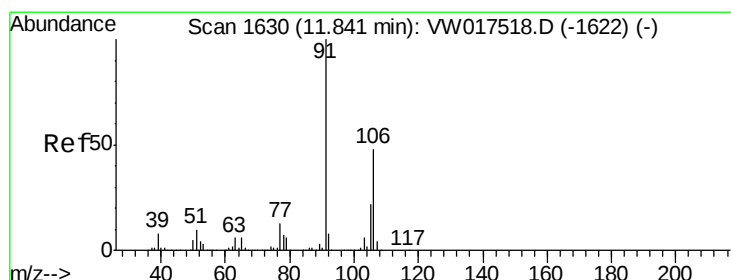
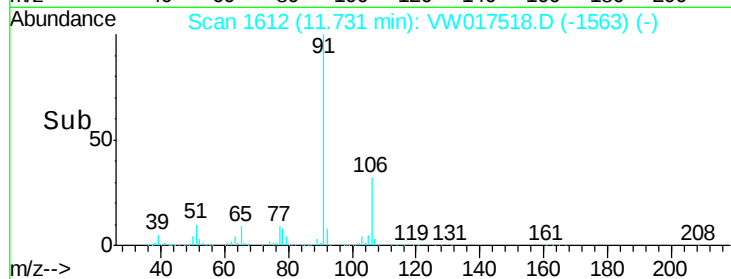
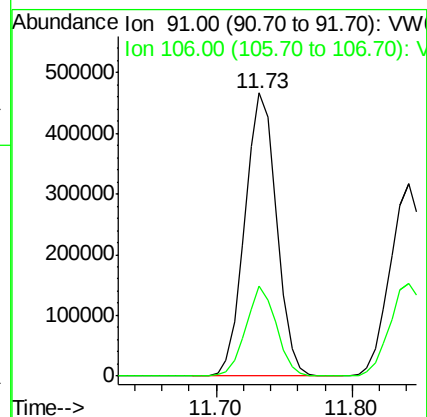
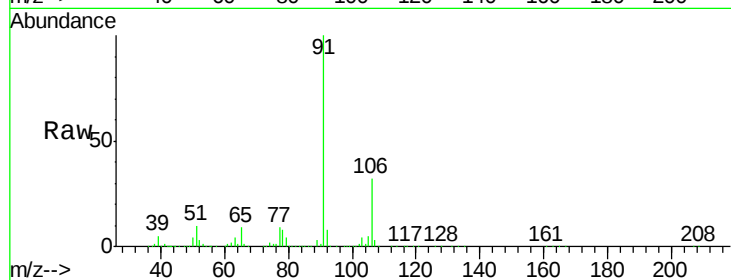
VSTD025104

Tgt Ion: 91 Resp: 761038

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.3



#53

m,p-Xylene

Concen: 24.238 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017518.D

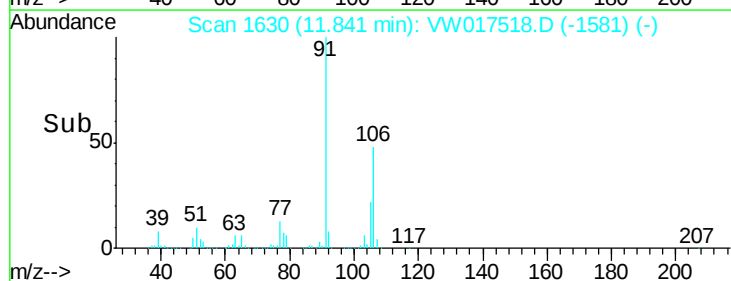
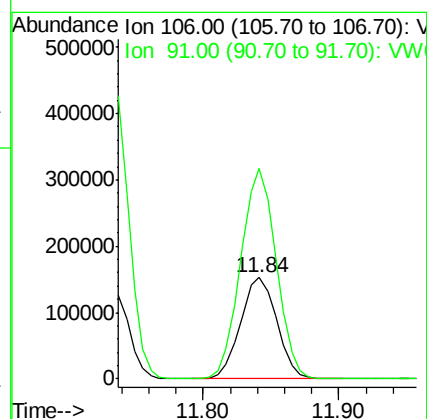
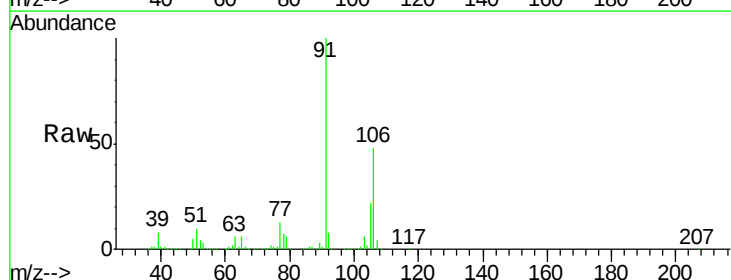
Acq: 02 Dec 2020 10:33

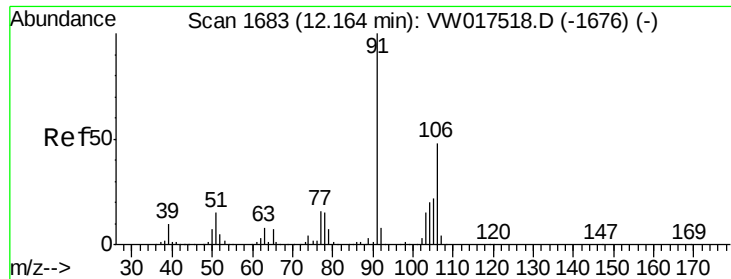
Tgt Ion: 106 Resp: 285378

Ion Ratio Lower Upper

106 100

91 207.7 145.4 270.0





#54

o-Xylene

Concen: 24.466 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampled :

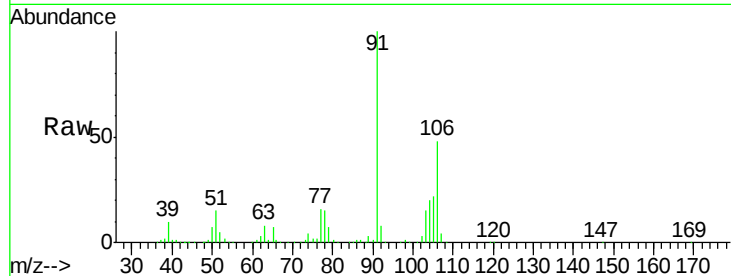
VSTD025104

Tgt Ion:106 Resp: 272989

Ion Ratio Lower Upper

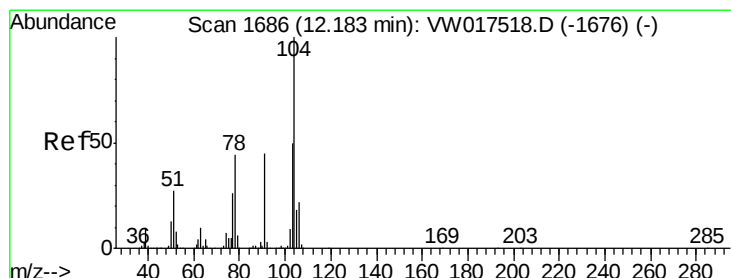
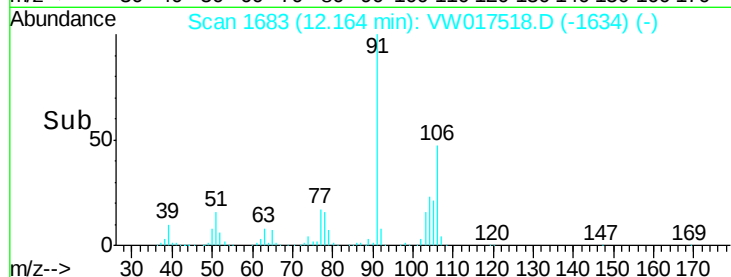
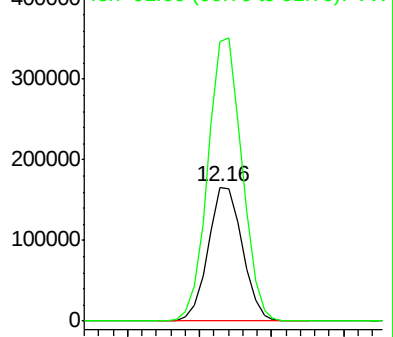
106 100

91 208.6 146.0 271.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

Styrene

Concen: 25.625 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017518.D

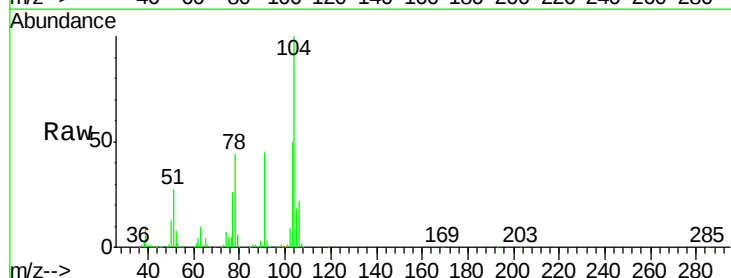
Acq: 02 Dec 2020 10:33

Tgt Ion:104 Resp: 477558

Ion Ratio Lower Upper

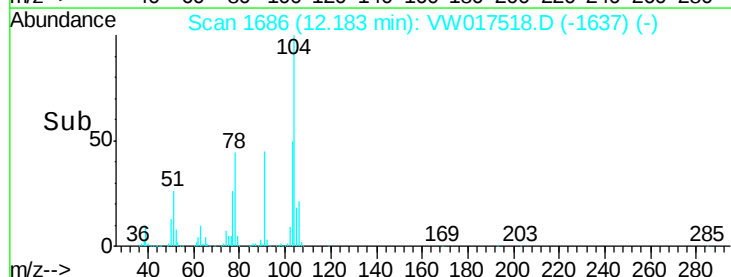
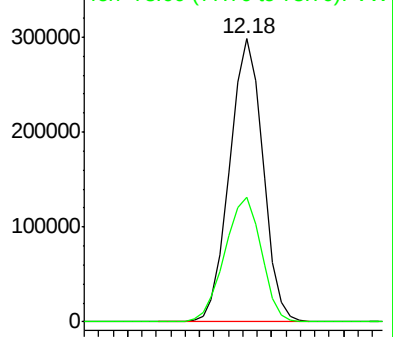
104 100

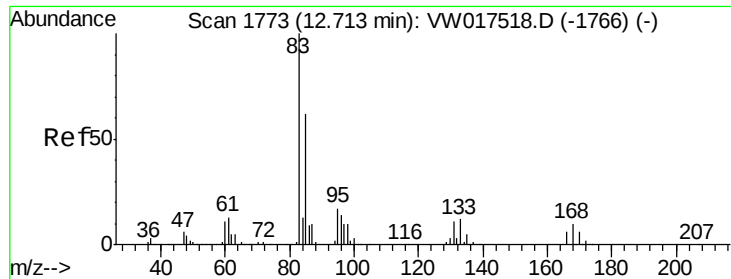
78 44.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

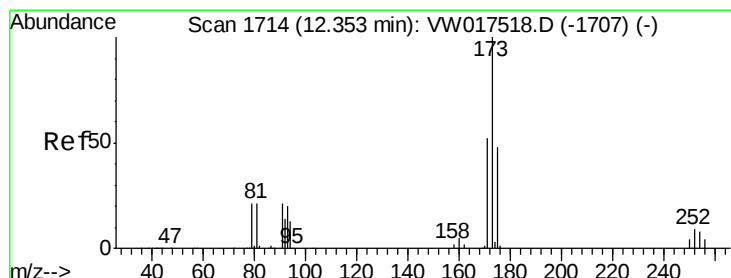
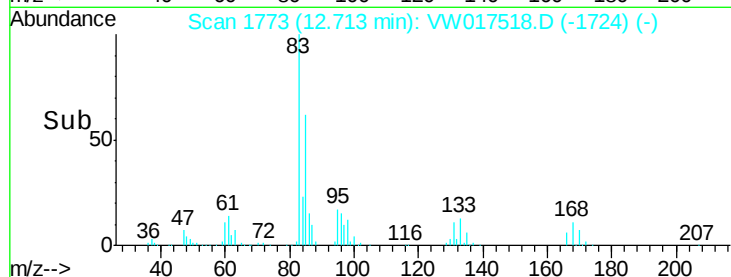
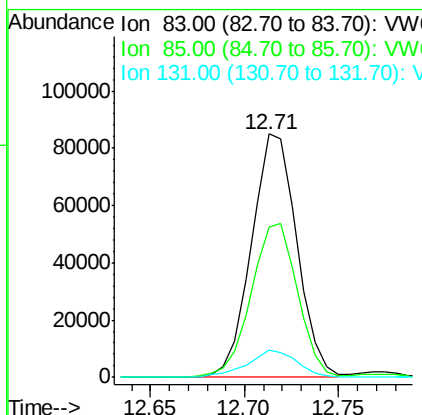
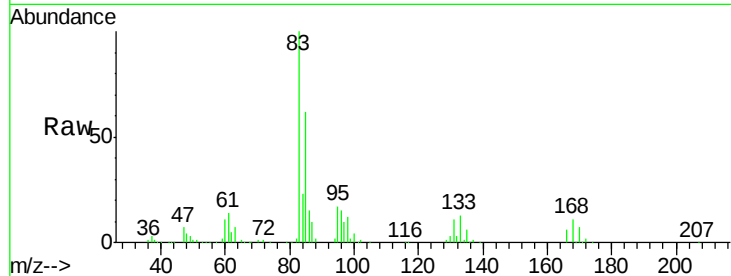




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.269 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

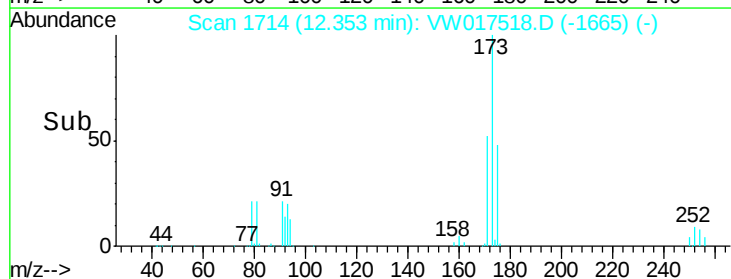
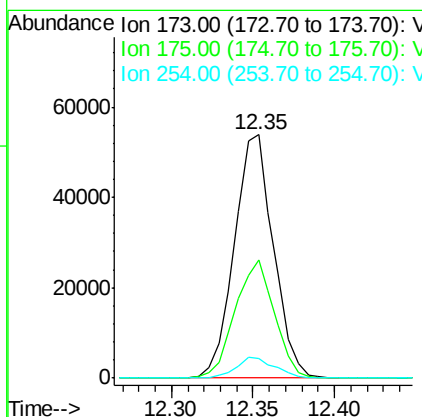
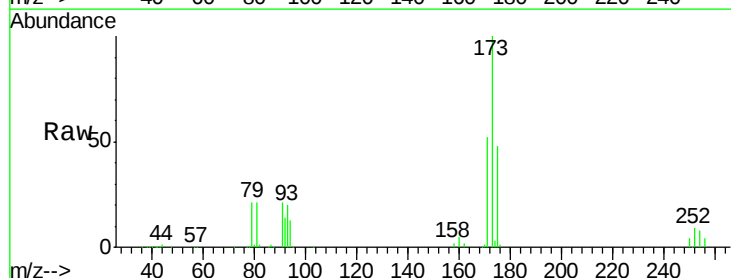
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

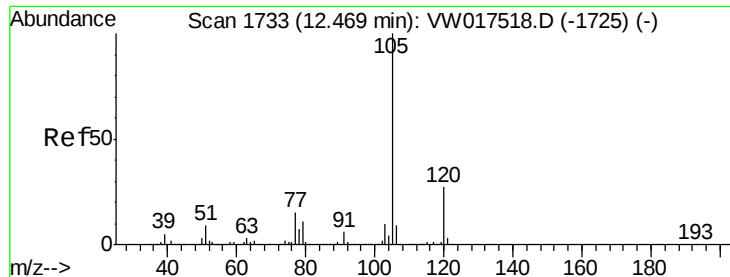
Tgt Ion: 83 Resp: 142046
 Ion Ratio Lower Upper
 83 100
 85 61.8 43.3 80.3
 131 11.4 9.1 13.7



#59
 Bromoform
 Concen: 27.622 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

Tgt Ion: 173 Resp: 89913
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.9 58.3
 254 8.4 6.7 10.1





#60

Isopropylbenzene

Concen: 25.116 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

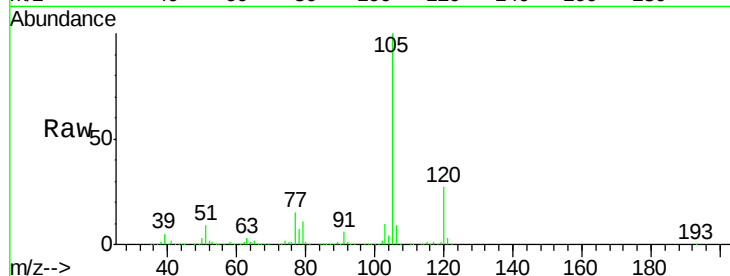
Tgt Ion: 105 Resp: 746746

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

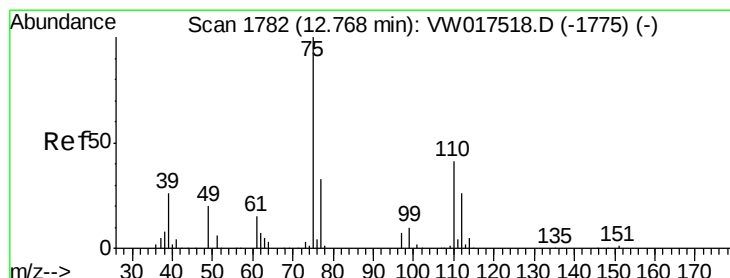
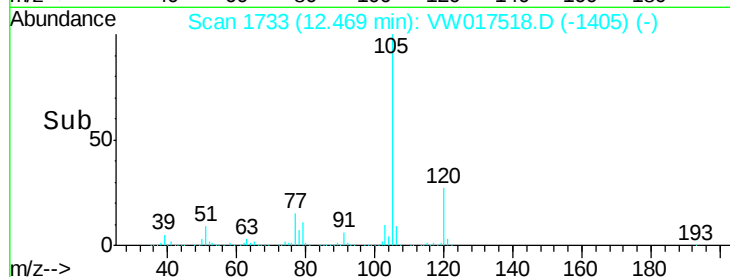
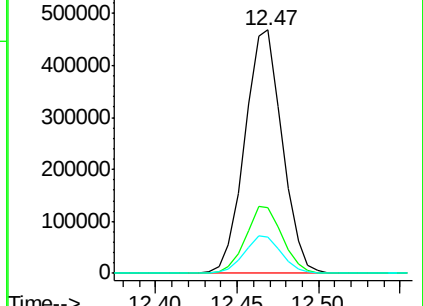
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 28.674 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

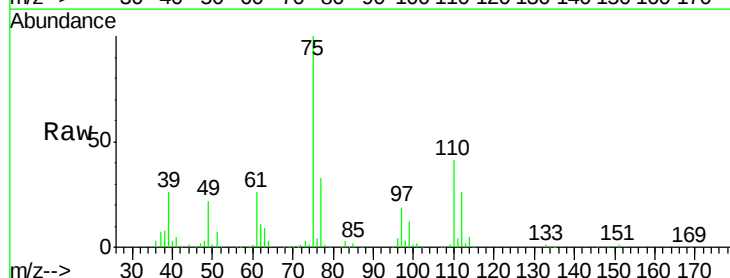
Tgt Ion: 75 Resp: 103971

Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0

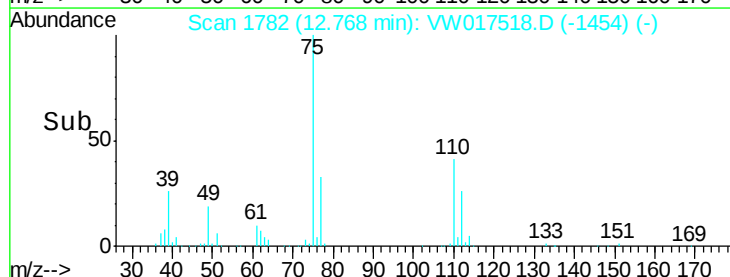
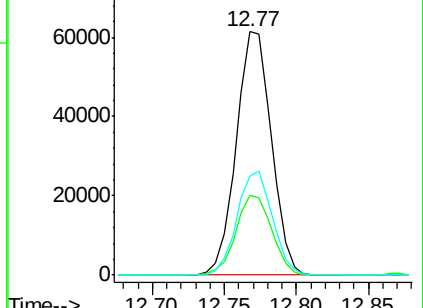
110 43.0 34.4 51.6

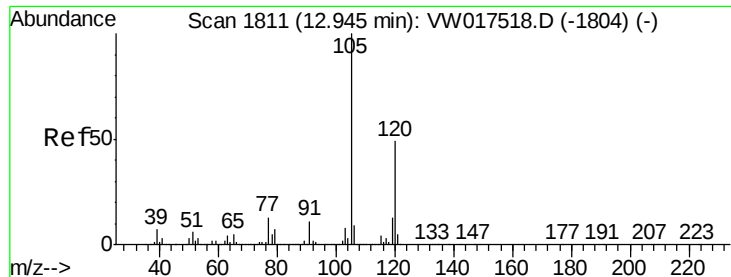


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

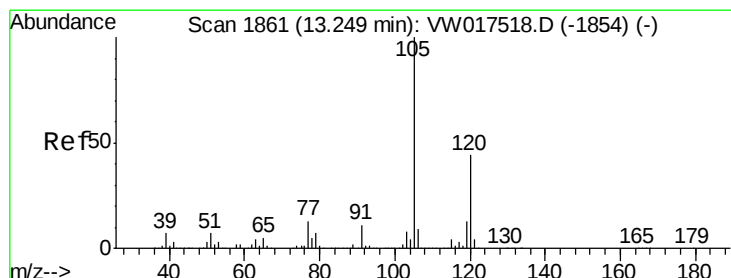
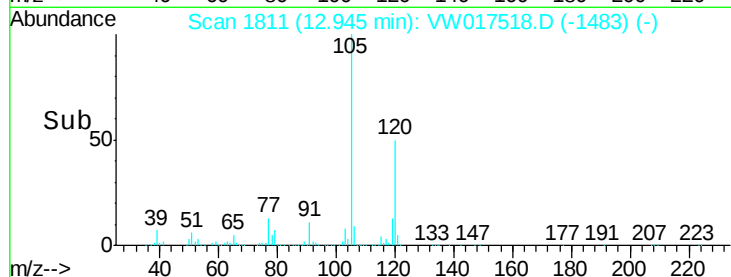
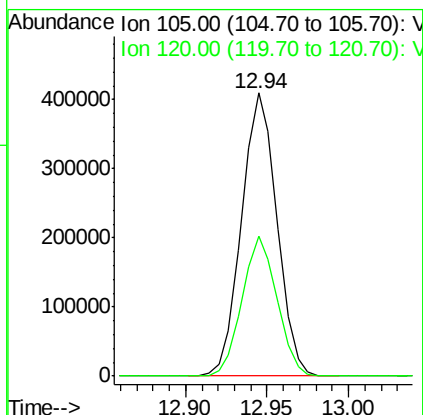
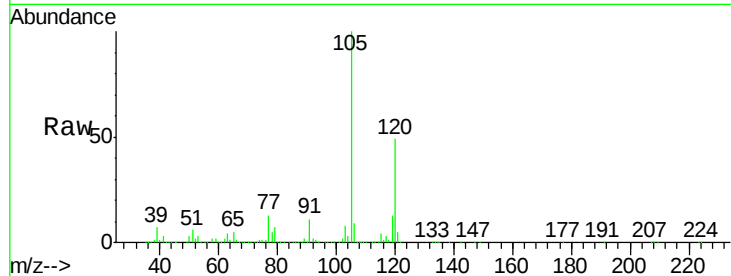




#62
 1,3,5-Trimethylbenzene
 Concen: 25.217 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

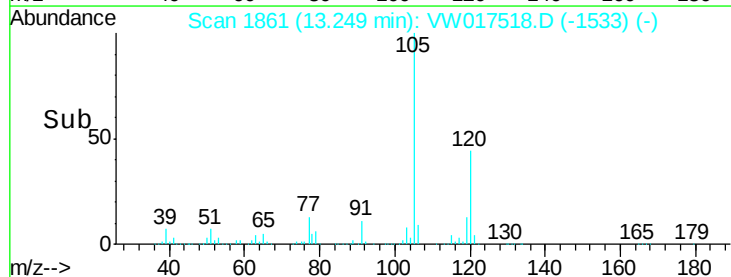
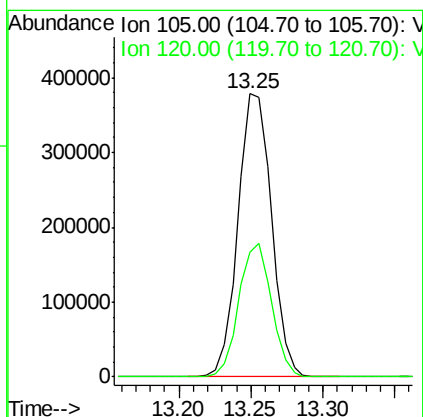
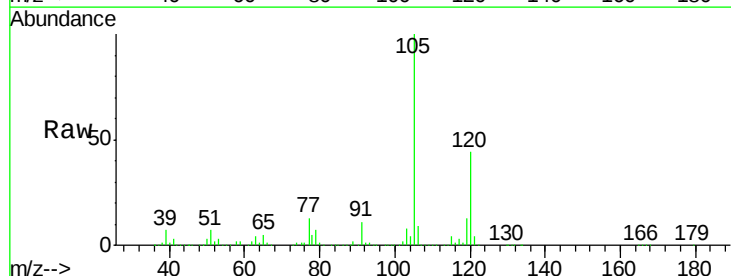
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

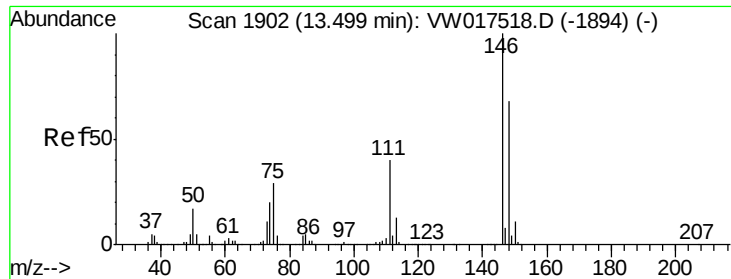
Tgt Ion:105 Resp: 619997
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.9 58.3



#63
 1,2,4-Trimethylbenzene
 Concen: 26.116 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

Tgt Ion:105 Resp: 610140
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2





#64

1,3-Dichlorobenzene

Concen: 24.130 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

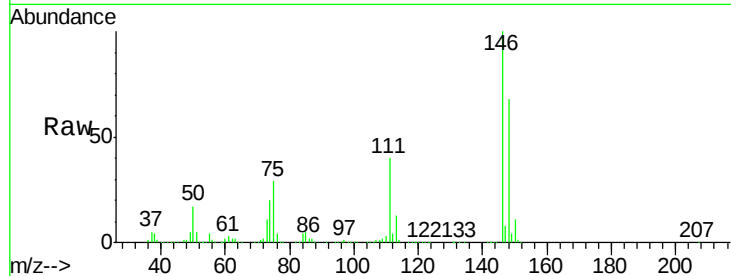
Tgt Ion:146 Resp: 345881

Ion Ratio Lower Upper

146 100

111 39.9 27.9 51.9

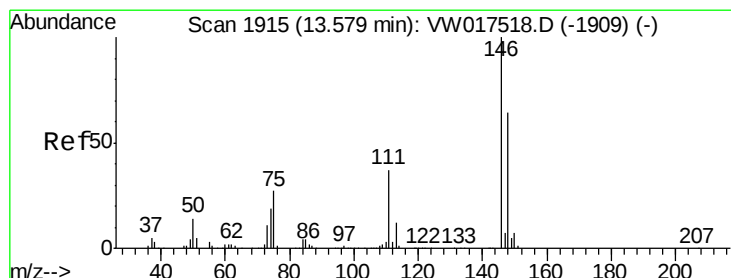
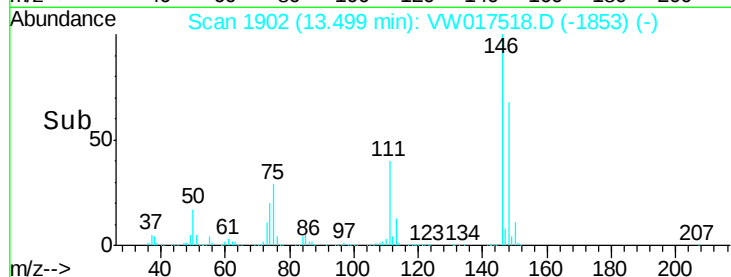
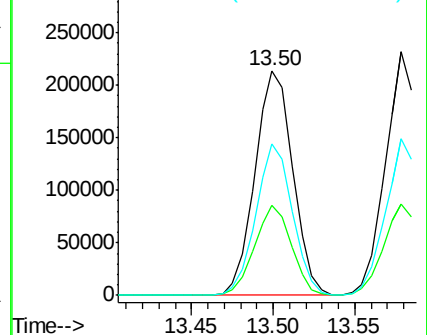
148 67.5 47.3 87.8



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



#65

1,4-Dichlorobenzene

Concen: 24.453 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

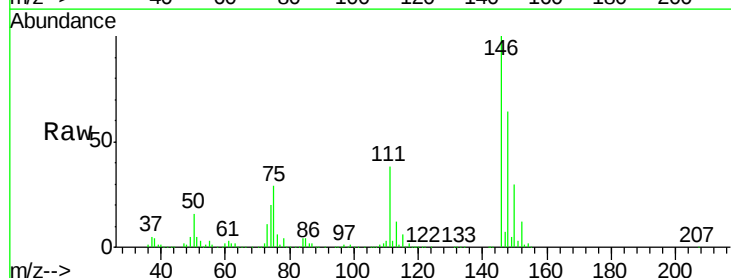
Tgt Ion:146 Resp: 348462

Ion Ratio Lower Upper

146 100

111 37.6 26.3 48.9

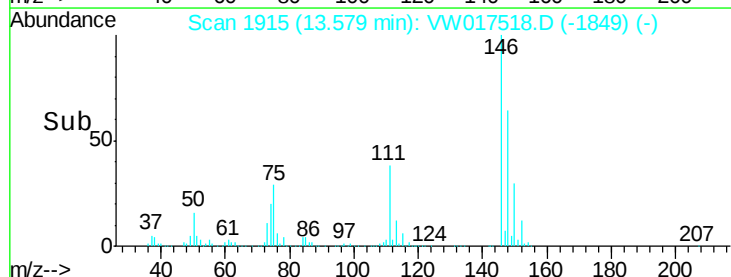
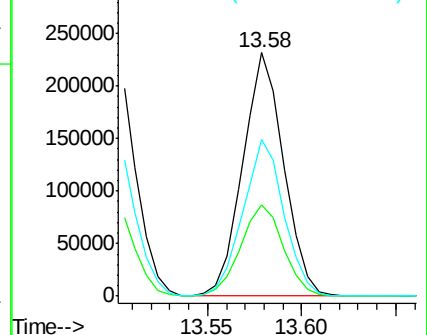
148 64.1 44.9 83.3

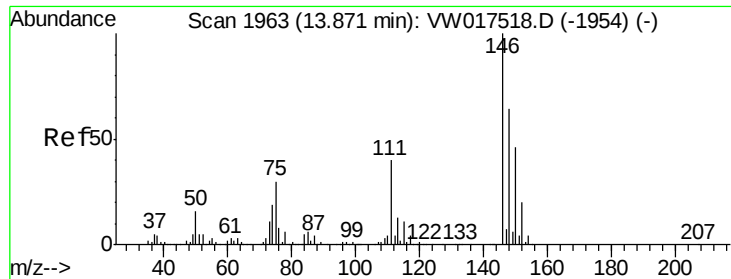


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

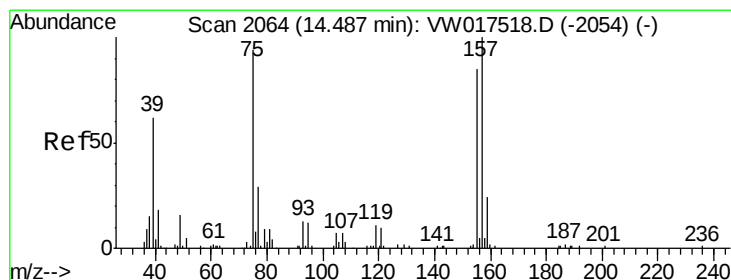
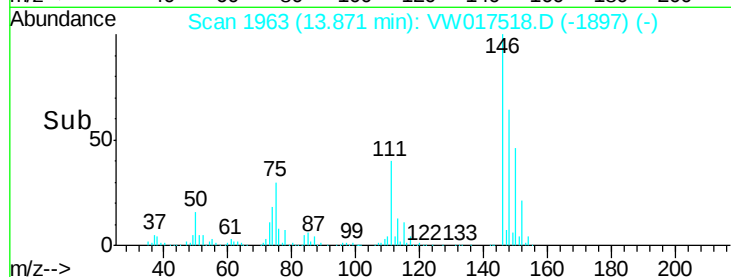
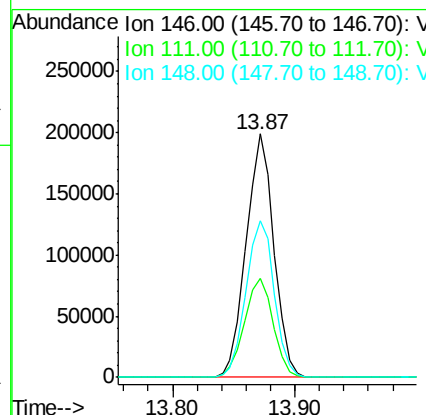
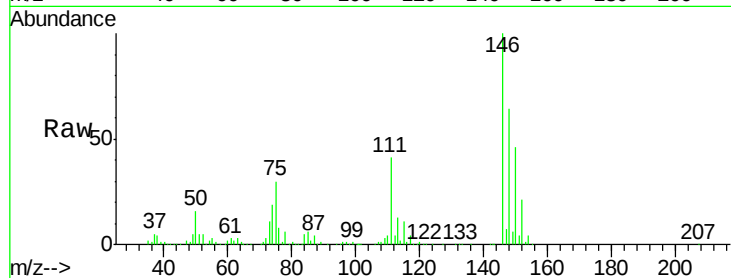




#67
 1,2-Dichlorobenzene
 Concen: 25.073 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

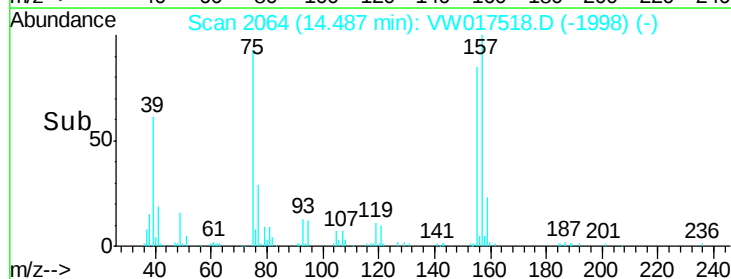
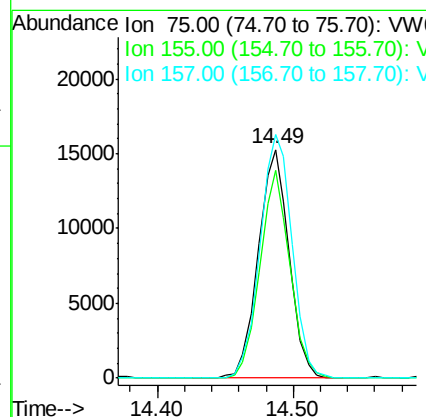
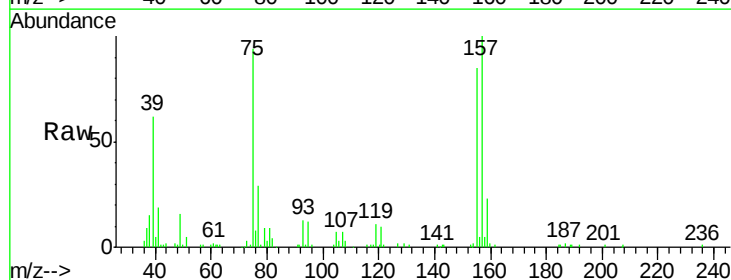
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025104

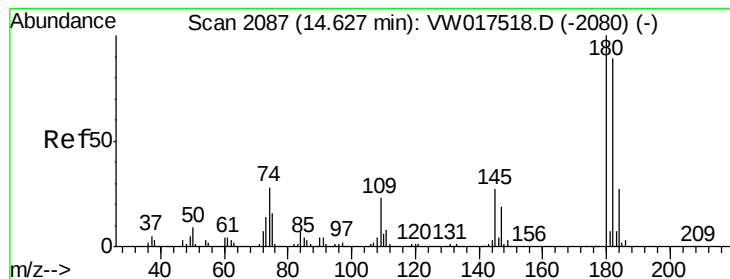
Tgt Ion: 146 Resp: 313454
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.4 48.6
 148 64.1 51.3 76.9



#68
 1,2-Dibromo-3-chloropropane
 Concen: 31.316 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017518.D
 Acq: 02 Dec 2020 10:33

Tgt Ion: 75 Resp: 24138
 Ion Ratio Lower Upper
 75 100
 155 90.8 72.6 109.0
 157 106.5 85.2 127.8





#69

1,3,5-Trichlorobenzene

Concen: 24.531 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

Tgt Ion:180 Resp: 258276

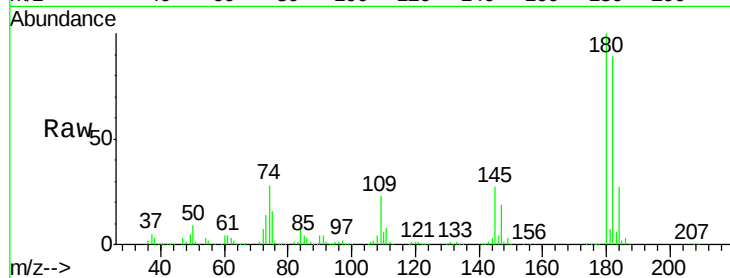
Ion Ratio Lower Upper

180 100

182 93.6 74.9 112.3

184 29.7 23.8 35.6

145 28.9 23.1 34.7

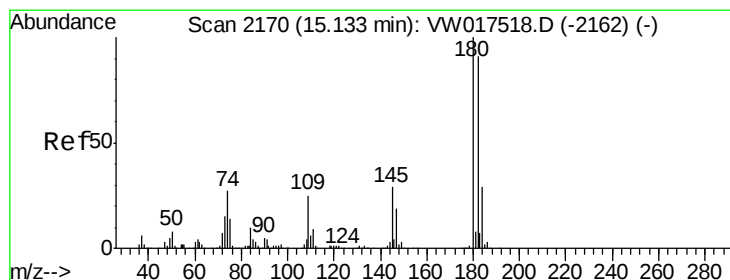
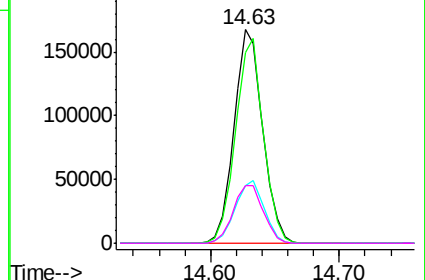
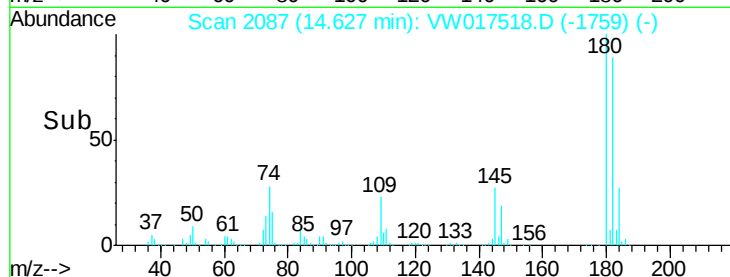


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70

1,2,4-trichlorobenzene

Concen: 25.156 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

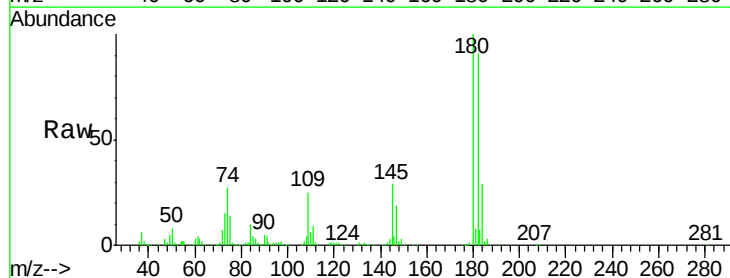
Tgt Ion:180 Resp: 213269

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

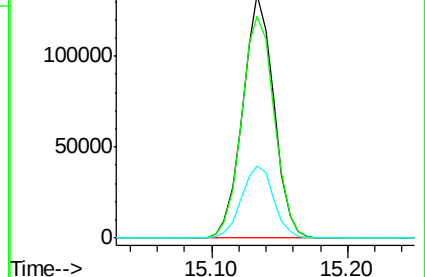
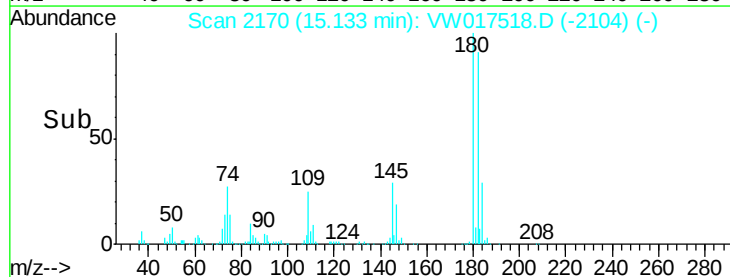
145 30.6 24.5 36.7

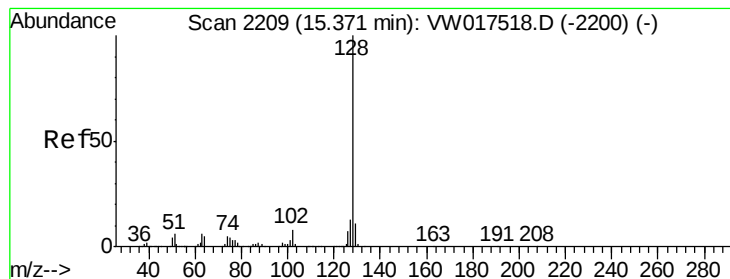


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 27.881 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025104

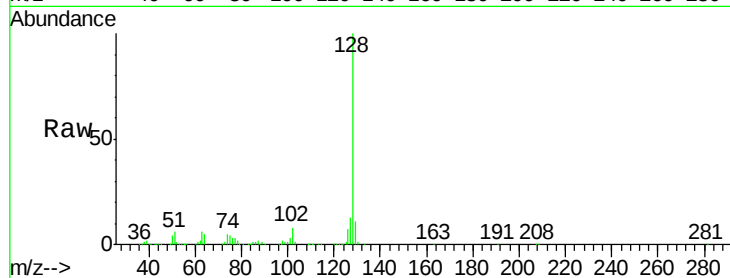
Tgt Ion:128 Resp: 387045

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

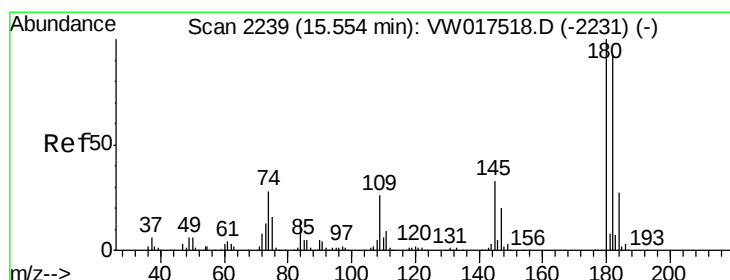
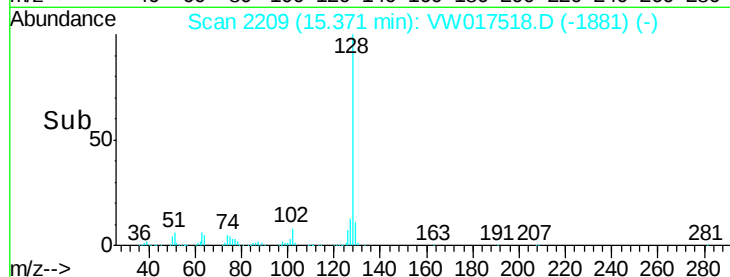
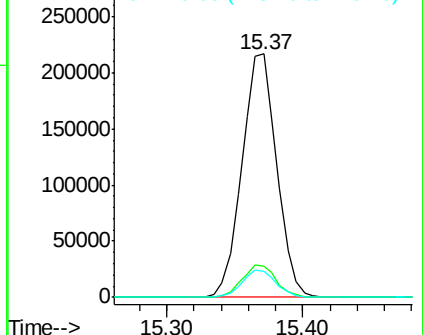
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 25.285 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017518.D

Acq: 02 Dec 2020 10:33

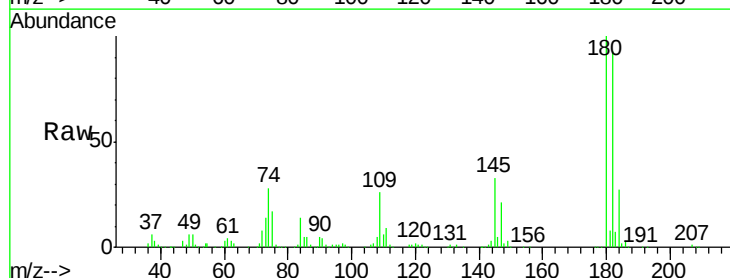
Tgt Ion:180 Resp: 183636

Ion Ratio Lower Upper

180 100

182 98.8 79.0 118.6

145 33.5 26.8 40.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

