

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120220\
 Data File : VW017519.D
 Acq On : 02 Dec 2020 10:56
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

Quant Time: Dec 02 11:43:44 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	503093	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	461135	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	232220	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	325514	67.29	ug/L	0.00
7) Chloroethane-d5	2.89	69	249860	57.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	673006	62.80	ug/L	0.00
21) 2-Butanone-d5	7.08	46	165270	137.26	ug/L	0.00
24) Chloroform-d	7.65	84	676161	61.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	356757	65.91	ug/L	0.00
32) Benzene-d6	8.28	84	1308535	60.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	372926	62.64	ug/L	0.00
41) Toluene-d8	10.32	98	1221574	59.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	179330	67.98	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	120693	132.07	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	305722	65.08	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	431819	57.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	183532	32.689	ug/L 96
3) Chloromethane	2.22	50	197471	40.217	ug/L 99
5) Vinyl chloride	2.37	62	278039	45.574	ug/L 99
6) Bromomethane	2.78	94	192020	40.214	ug/L 97
8) Chloroethane	2.93	64	177352	42.493	ug/L 98
9) Trichlorofluoromethane	3.27	101	292328	57.656	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	319217	47.265	ug/L 99
12) 1,1-Dichloroethene	4.05	96	306668	48.292	ug/L 91
13) Acetone	4.13	43	132354	125.604	ug/L 95
14) Carbon disulfide	4.39	76	838804	47.380	ug/L 99
15) Methyl Acetate	4.67	43	132751	61.024	ug/L 97
16) Methylene chloride	4.92	84	303131	41.949	ug/L 98
17) trans-1,2-Dichloroethene	5.43	96	320825	47.367	ug/L 99
18) Methyl tert-butyl Ether	5.43	73	385332	53.129	ug/L 99
19) 1,1-Dichloroethane	6.22	63	549751	51.441	ug/L 98
20) cis-1,2-Dichloroethene	7.17	96	344783	49.681	ug/L 99
23) Bromochloromethane	7.52	128	159656	48.732	ug/L 96
25) Chloroform	7.68	83	583415	50.776	ug/L 100
27) 1,2-Dichloroethane	8.40	62	372909	53.832	ug/L 98
29) Cyclohexane	7.96	56	490338	51.472	ug/L 99
30) 1,1,1-Trichloroethane	7.88	97	493098	50.797	ug/L 99
31) Carbon tetrachloride	8.07	117	489836	51.833	ug/L 100
33) Benzene	8.33	78	1240472	49.960	ug/L 100
34) Trichloroethene	9.10	95	339017	48.317	ug/L 98
35) Methylcyclohexane	9.34	83	561514	48.442	ug/L 98
37) 1,2-Dichloropropane	9.37	63	298923	52.000	ug/L 99
38) Bromodichloromethane	9.65	83	425037	52.859	ug/L 99
39) cis-1,3-Dichloropropene	10.07	75	502713	55.506	ug/L 99
40) 4-Methyl-2-pentanone	10.21	43	358715	120.834	ug/L 99
42) Toluene	10.39	91	1349394	49.278	ug/L 98

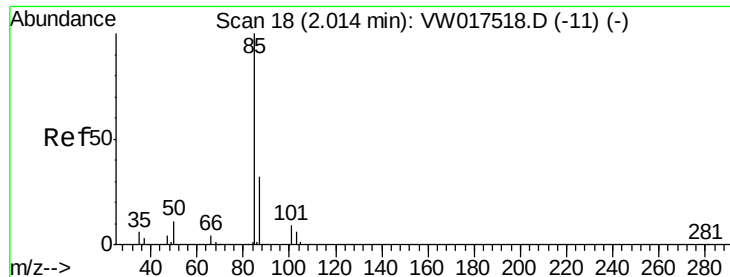
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120220\
 Data File : VW017519.D
 Acq On : 02 Dec 2020 10:56
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

Quant Time: Dec 02 11:43:44 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)
44) trans-1,3-Dichloropropene	10.61	75	452253	58.075	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	239621	51.581	ug/L	98
46) Tetrachloroethene	10.87	164	282626	44.786	ug/L	97
48) 2-Hexanone	10.97	43	262171	130.140	ug/L	98
49) Dibromochloromethane	11.13	129	311690	54.395	ug/L	96
50) 1,2-Dibromoethane	11.24	107	236560	53.032	ug/L	96
51) Chlorobenzene	11.66	112	879576	48.030	ug/L	99
52) Ethylbenzene	11.73	91	1547116	50.068	ug/L	99
53) m,p-Xylene	11.84	106	581378	48.620	ug/L	94
54) o-Xylene	12.17	106	557066	49.159	ug/L	96
55) Styrene	12.18	104	966362	51.057	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.72	83	281314	55.125	ug/L	96
59) Bromoform	12.35	173	181090	54.145	ug/L	98
60) Isopropylbenzene	12.47	105	1519150	49.729	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	207143	55.599	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1276839	50.544	ug/L	98
63) 1,2,4-Trimethylbenzene	13.26	105	1260960	52.531	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	705718	47.918	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	703686	48.060	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	634952	49.432	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	48997	61.869	ug/L	93
69) 1,3,5-Trichlorobenzene	14.63	180	526298	48.652	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	452370	51.932	ug/L	97
71) Naphthalene	15.37	128	800764	56.141	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	381402	51.112	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 32.689 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

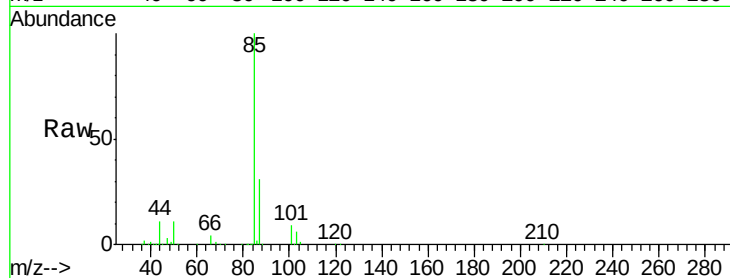
VSTD050105

Tgt Ion: 85 Resp: 183532

Ion Ratio Lower Upper

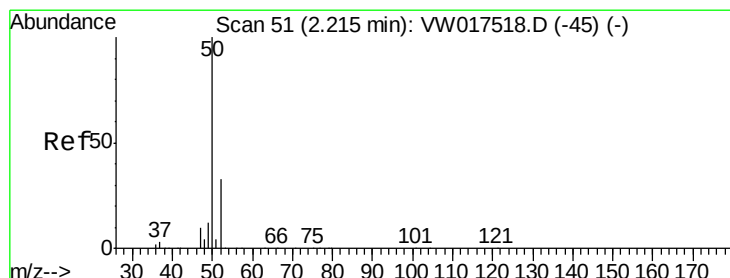
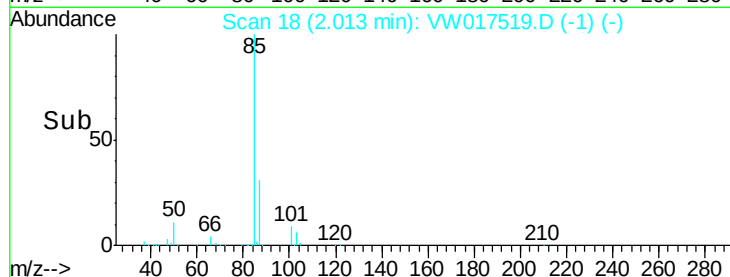
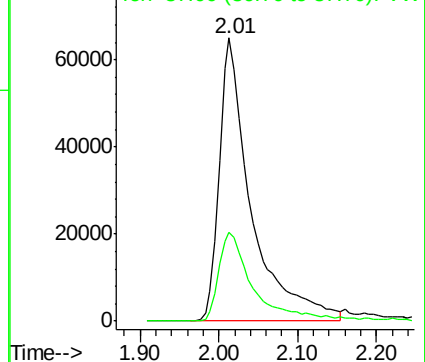
85 100

87 33.2 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 40.217 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017519.D

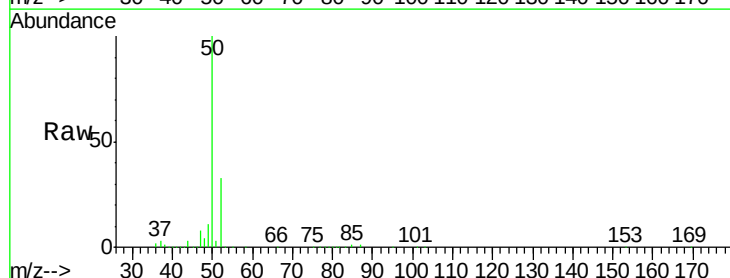
Acq: 02 Dec 2020 10:56

Tgt Ion: 50 Resp: 197471

Ion Ratio Lower Upper

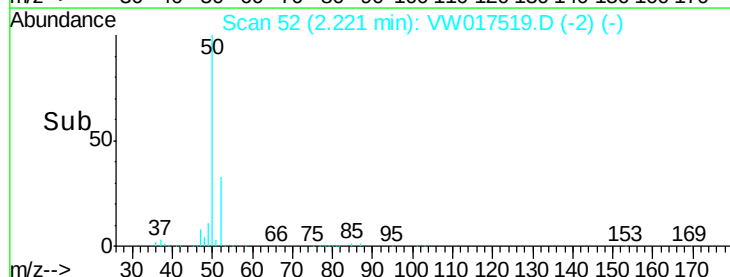
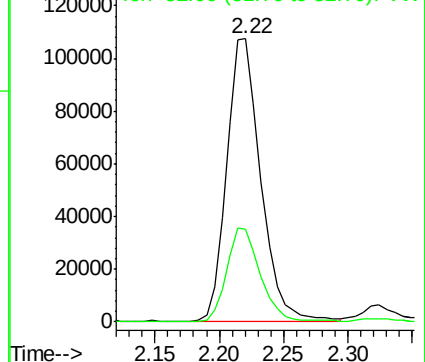
50 100

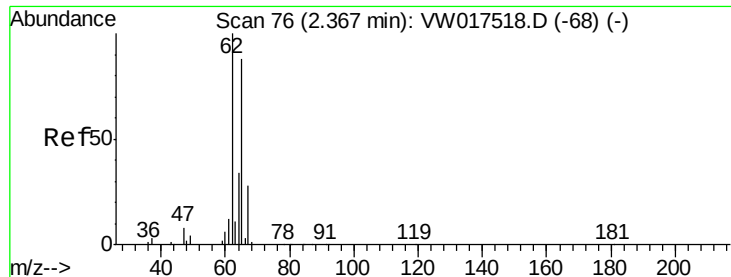
52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 45.574 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

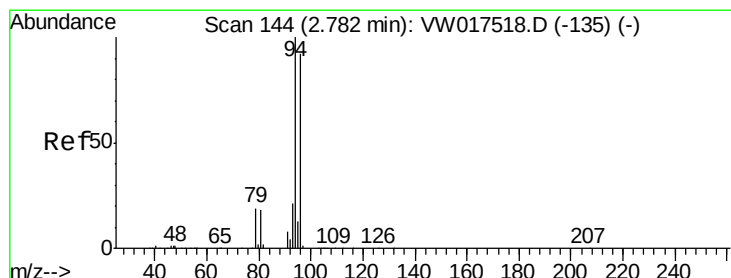
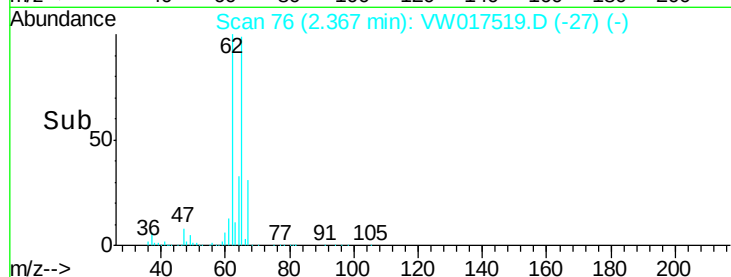
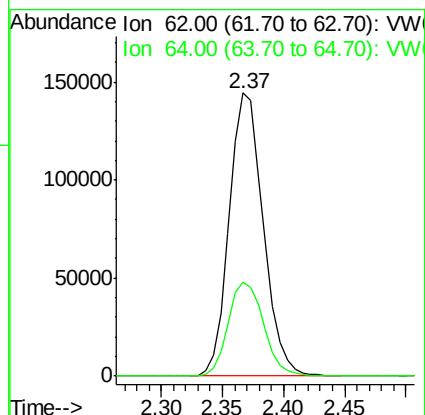
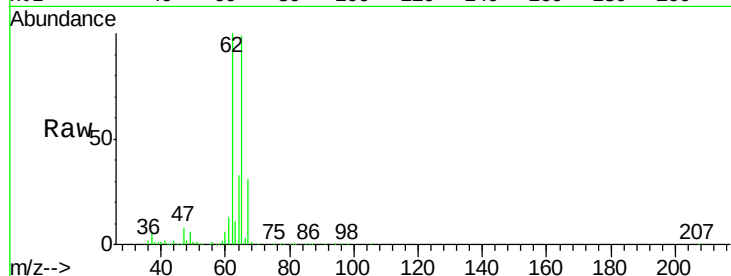
VSTD050105

Tgt Ion: 62 Resp: 278039

Ion Ratio Lower Upper

62 100

64 33.3 23.7 43.9



#6

Bromomethane

Concen: 40.214 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017519.D

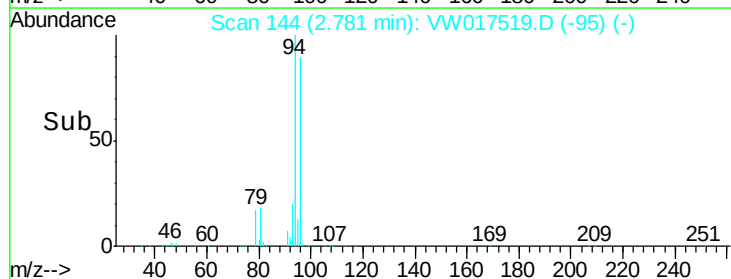
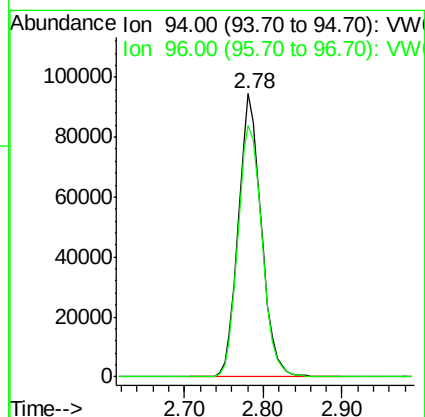
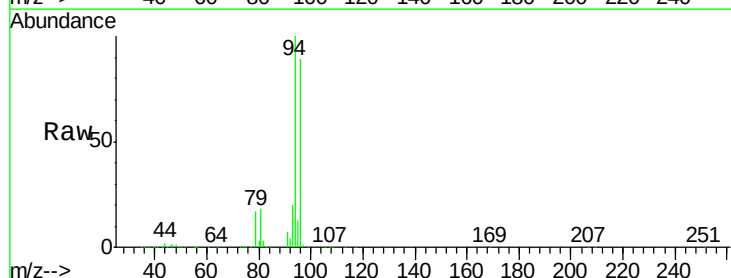
Acq: 02 Dec 2020 10:56

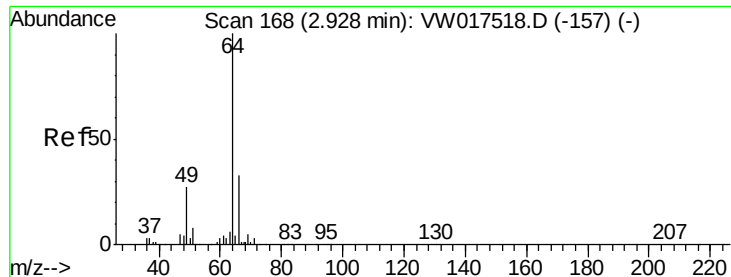
Tgt Ion: 94 Resp: 192020

Ion Ratio Lower Upper

94 100

96 88.6 64.2 119.2





#8

Chloroethane

Concen: 42.493 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

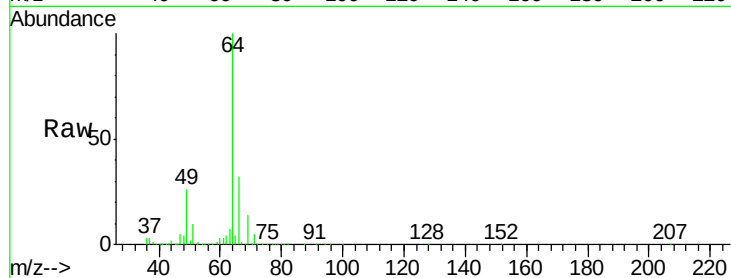
VSTD050105

Tgt Ion: 64 Resp: 177352

Ion Ratio Lower Upper

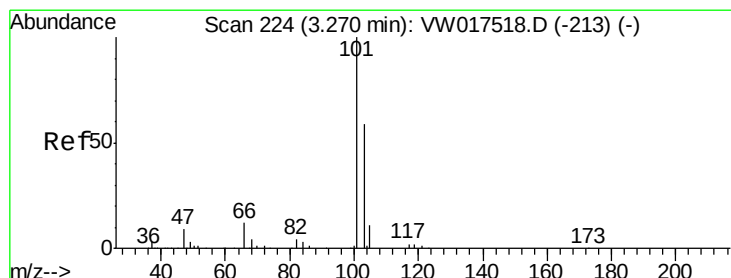
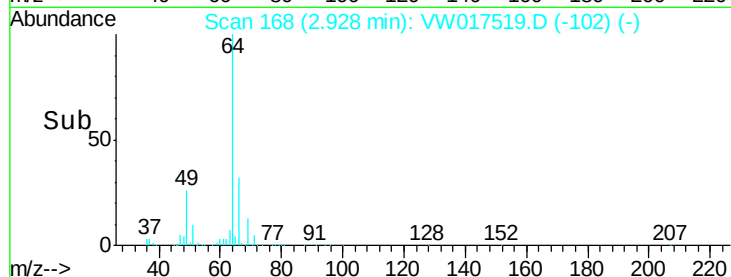
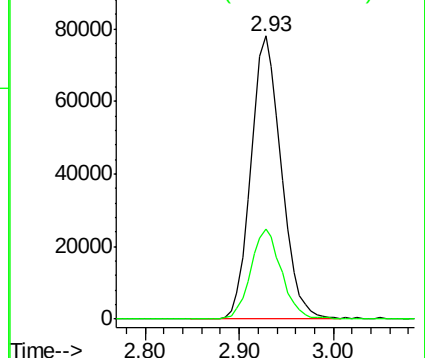
64 100

66 32.0 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 57.656 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017519.D

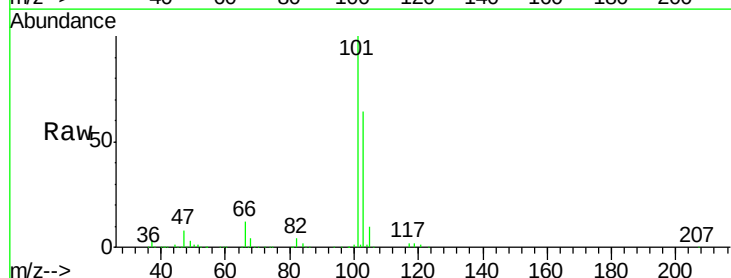
Acq: 02 Dec 2020 10:56

Tgt Ion: 101 Resp: 292328

Ion Ratio Lower Upper

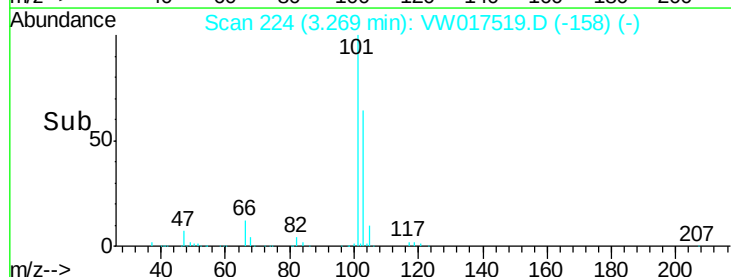
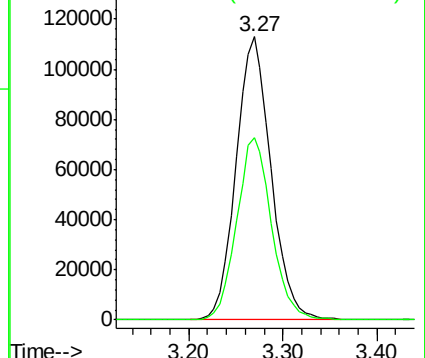
101 100

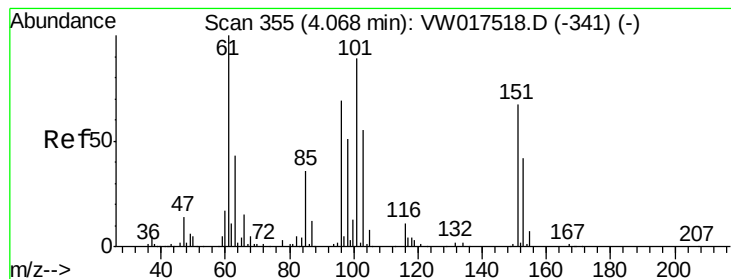
103 64.1 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 47.265 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

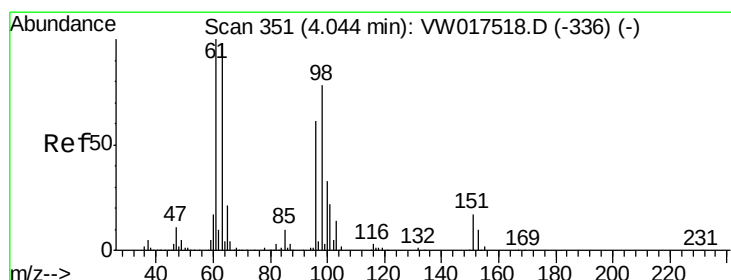
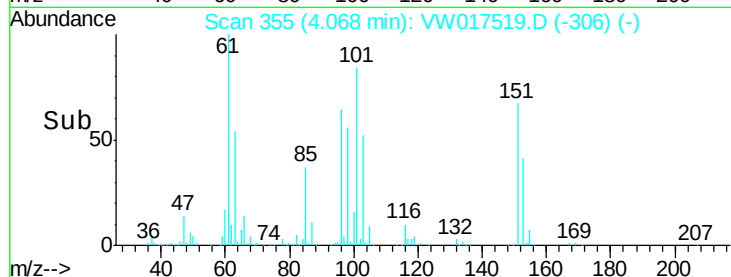
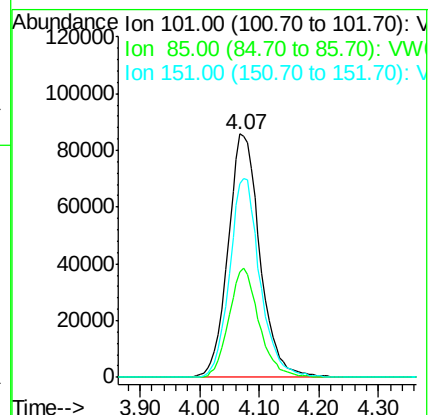
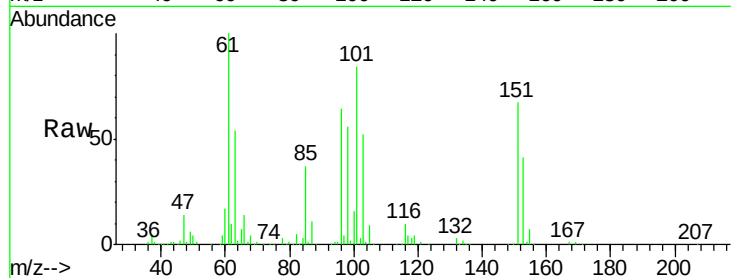
Tgt Ion:101 Resp: 319217

Ion Ratio Lower Upper

101 100

85 42.4 34.0 51.0

151 77.6 62.8 94.2



#12

1,1-Dichloroethene

Concen: 48.292 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

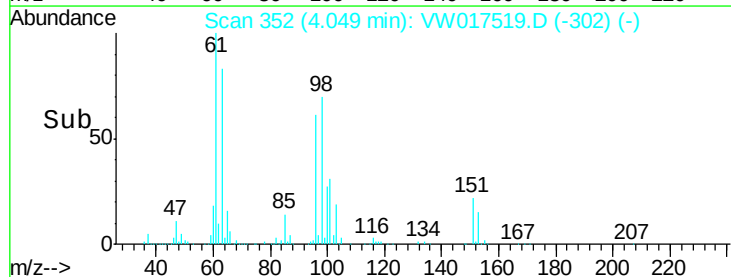
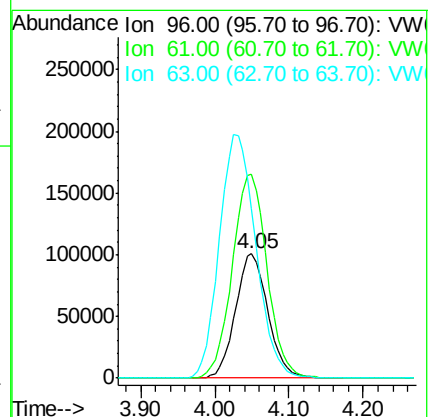
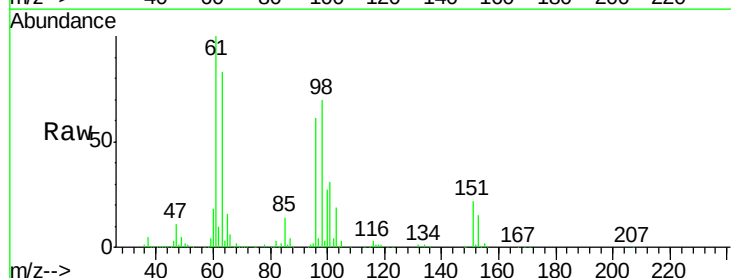
Tgt Ion: 96 Resp: 306668

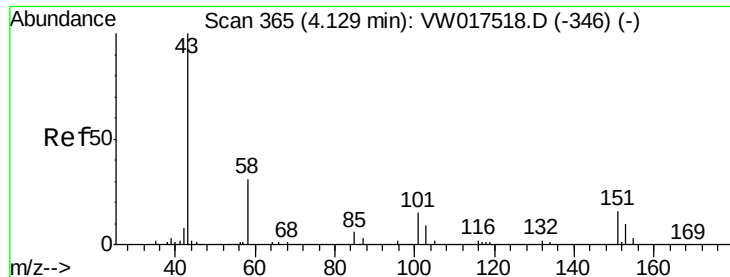
Ion Ratio Lower Upper

96 100

61 164.1 115.0 213.6

63 136.8 112.7 209.3





#13

Acetone

Concen: 125.604 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

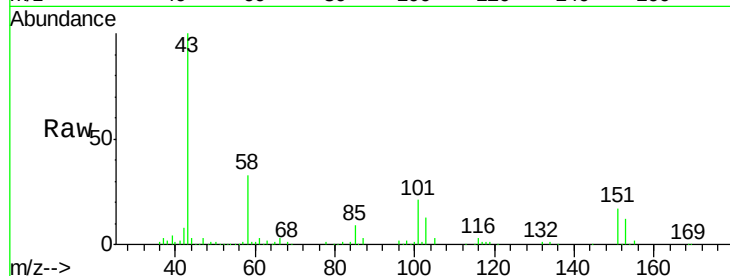
VSTD050105

Tgt Ion: 43 Resp: 132354

Ion Ratio Lower Upper

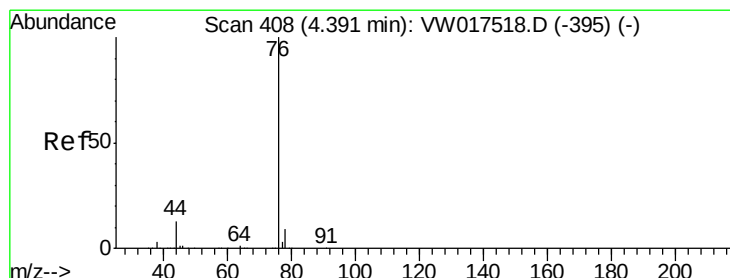
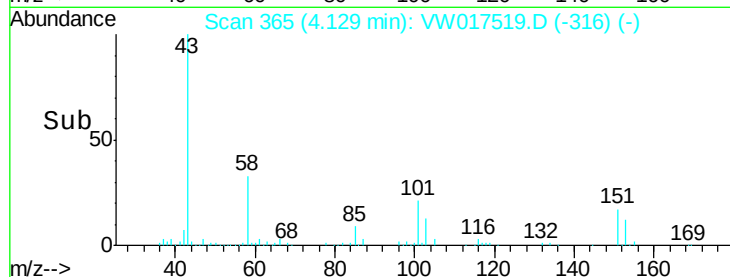
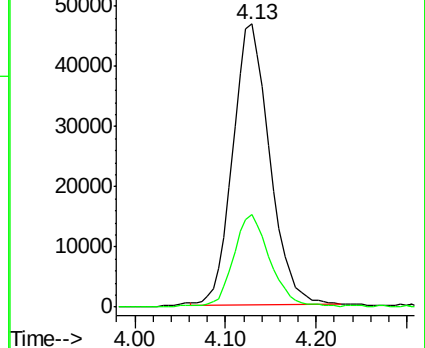
43 100

58 32.0 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 47.380 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017519.D

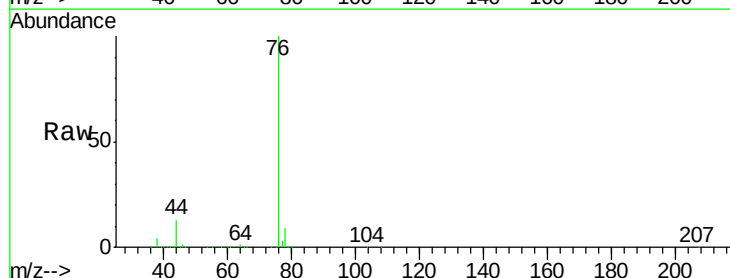
Acq: 02 Dec 2020 10:56

Tgt Ion: 76 Resp: 838804

Ion Ratio Lower Upper

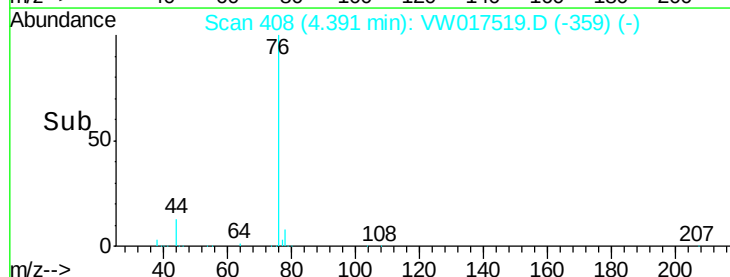
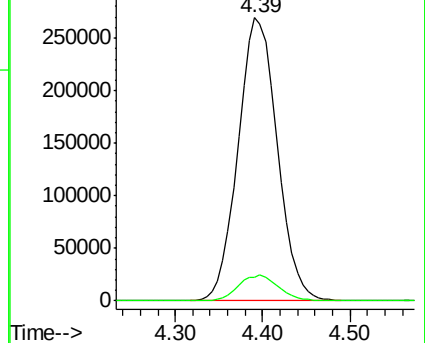
76 100

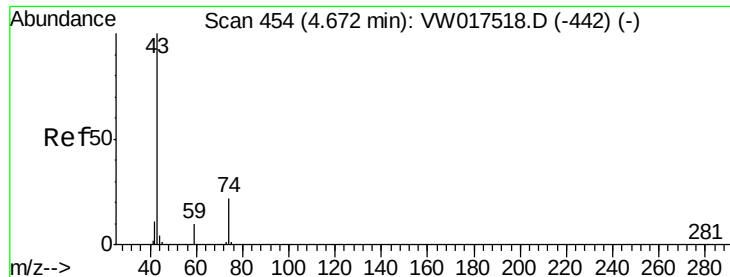
78 8.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 61.024 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

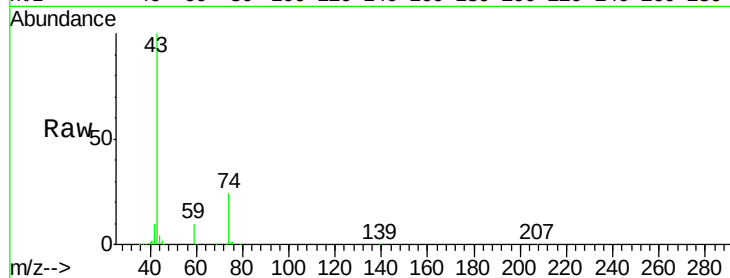
VSTD050105

Tgt Ion: 43 Resp: 132751

Ion Ratio Lower Upper

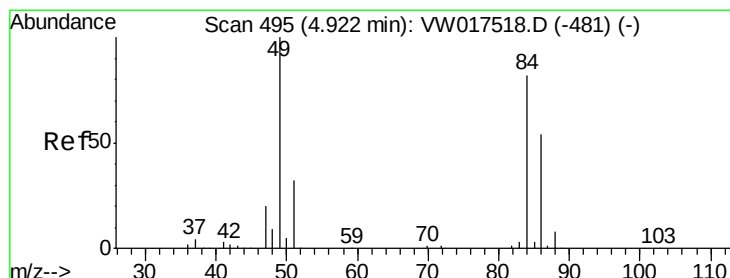
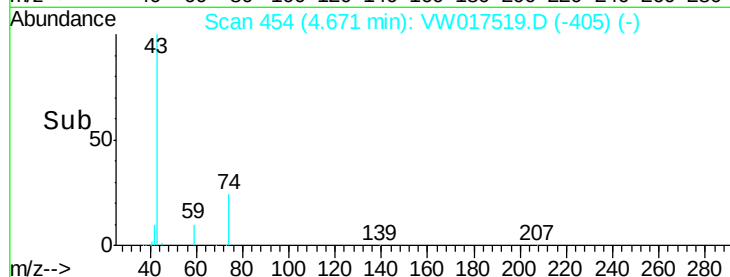
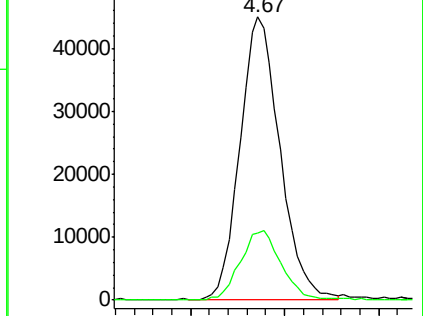
43 100

74 25.4 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 41.949 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

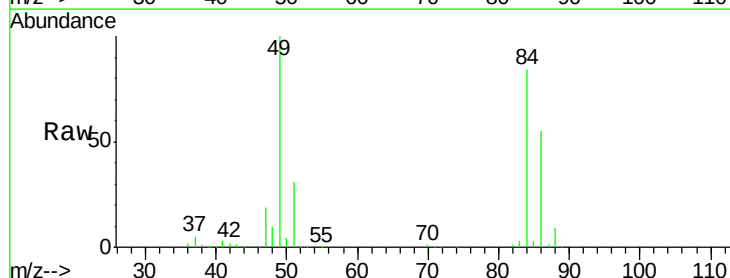
Tgt Ion: 84 Resp: 303131

Ion Ratio Lower Upper

84 100

86 65.5 46.2 85.8

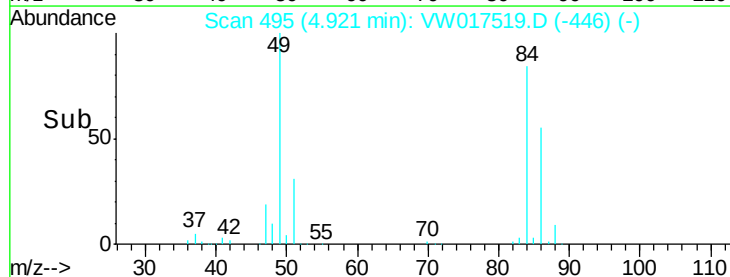
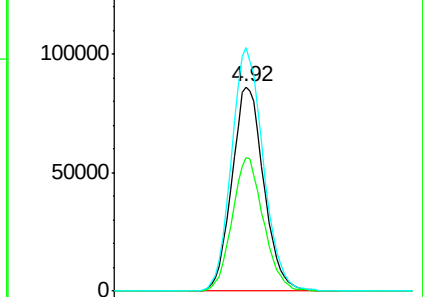
49 119.1 85.0 158.0

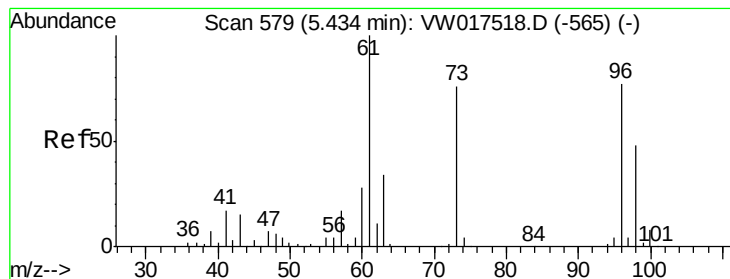


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 86.00 (85.70 to 86.70): VW

Ion 49.00 (48.70 to 49.70): VW





#17

trans-1,2-Dichloroethene

Concen: 47.367 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

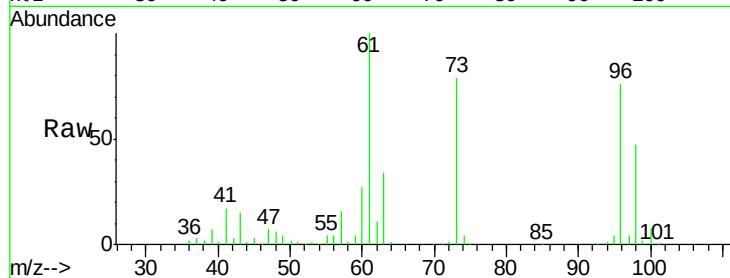
Tgt Ion: 96 Resp: 320825

Ion Ratio Lower Upper

96 100

61 131.9 91.4 169.8

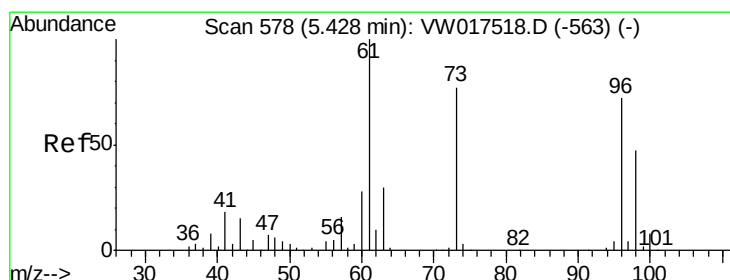
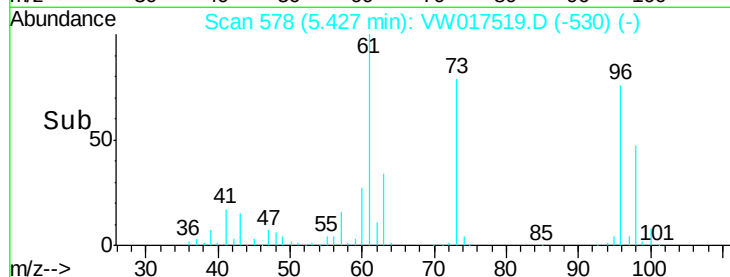
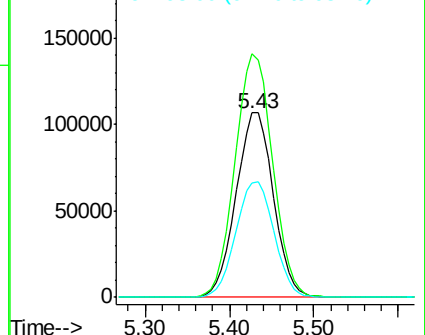
98 61.7 44.0 81.8



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



#18

Methyl tert-butyl Ether

Concen: 53.129 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

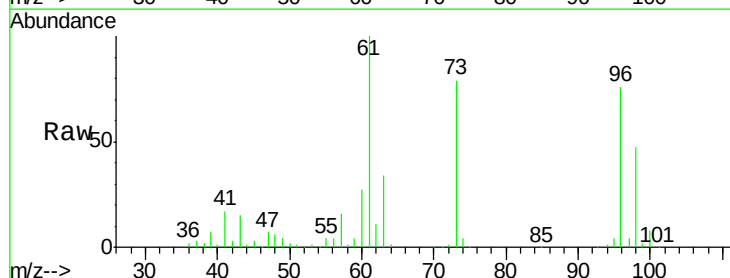
Tgt Ion: 73 Resp: 385332

Ion Ratio Lower Upper

73 100

43 19.5 16.0 24.0

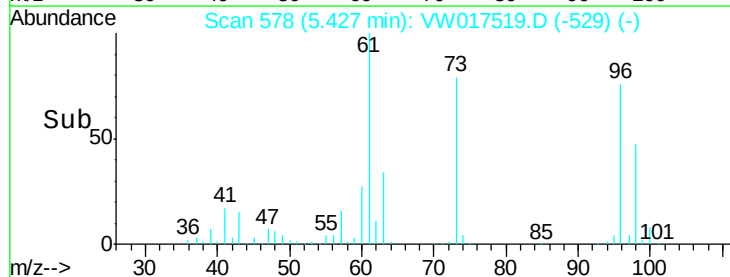
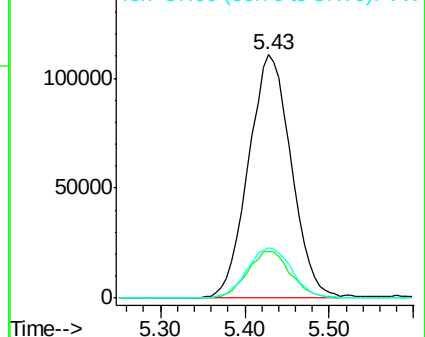
57 21.1 17.4 26.0

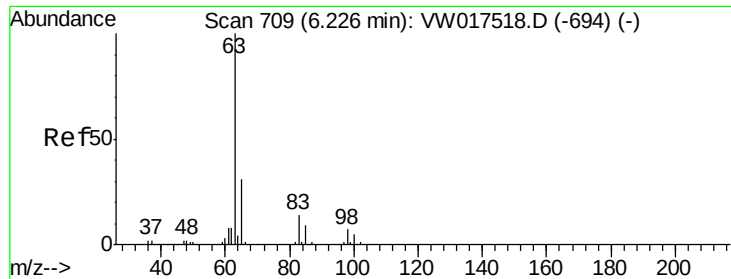


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 51.441 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

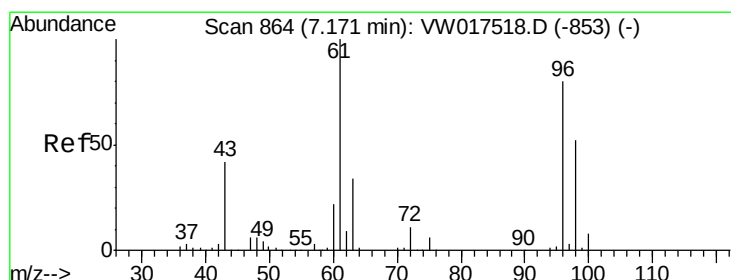
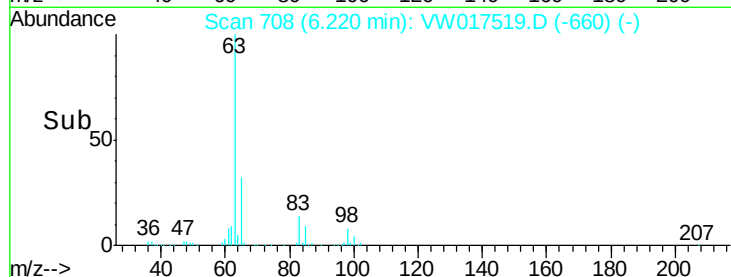
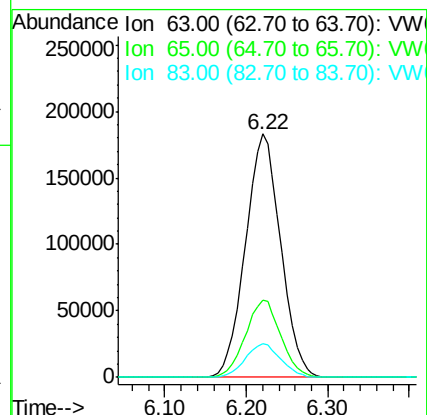
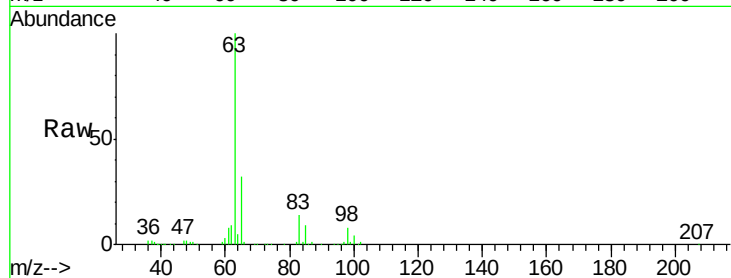
Tgt Ion: 63 Resp: 549751

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.6

83 13.6 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 49.681 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

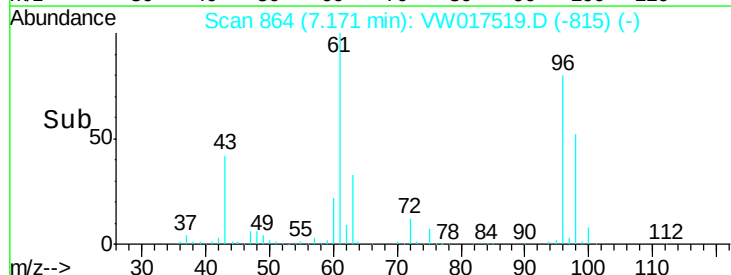
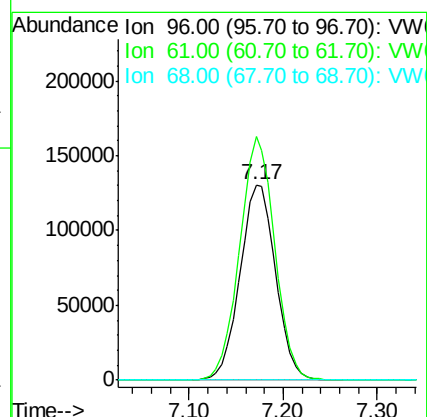
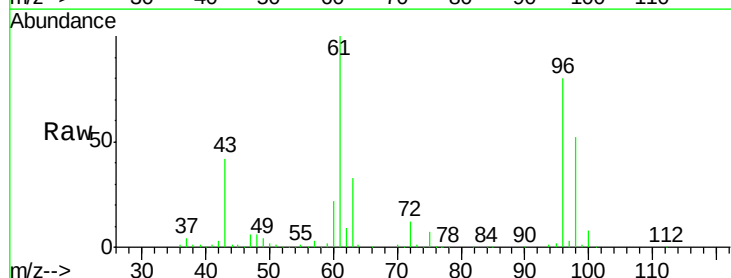
Tgt Ion: 96 Resp: 344783

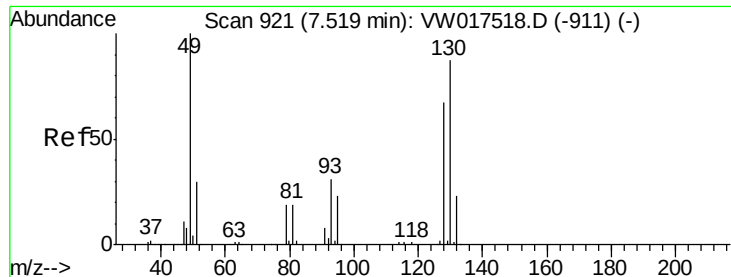
Ion Ratio Lower Upper

96 100

61 124.9 88.0 163.4

68 0.0 0.0 0.0

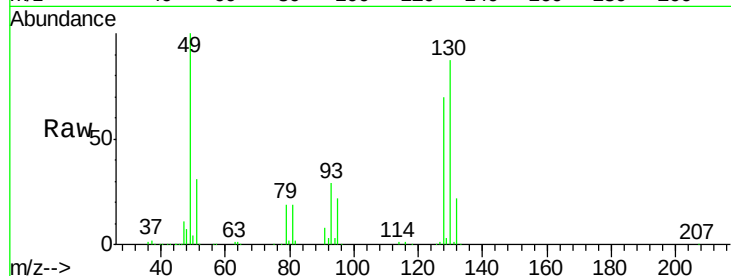




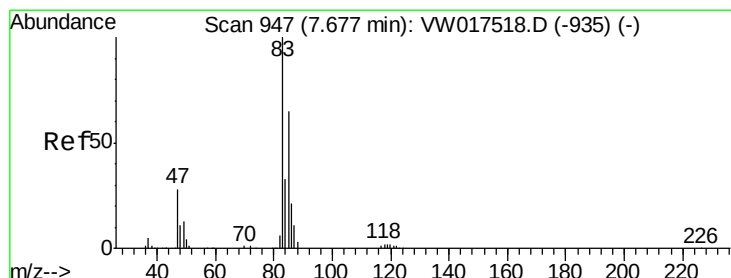
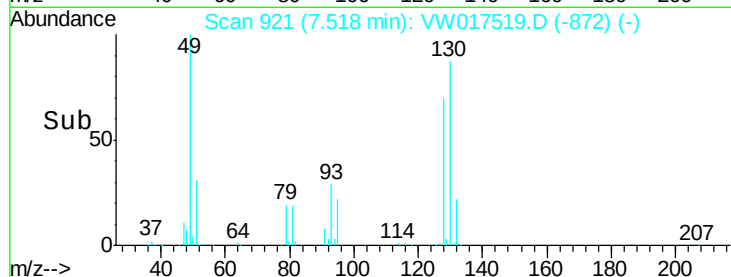
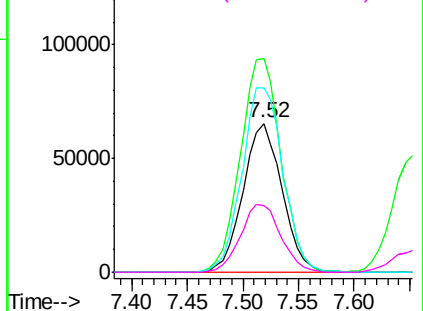
#23
Bromochloromethane
Concen: 48.732 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017519.D
Acq: 02 Dec 2020 10:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

Tgt Ion:128 Resp: 159656
Ion Ratio Lower Upper
128 100
49 143.8 104.7 194.4
130 124.5 90.8 168.6
51 44.5 36.3 54.5

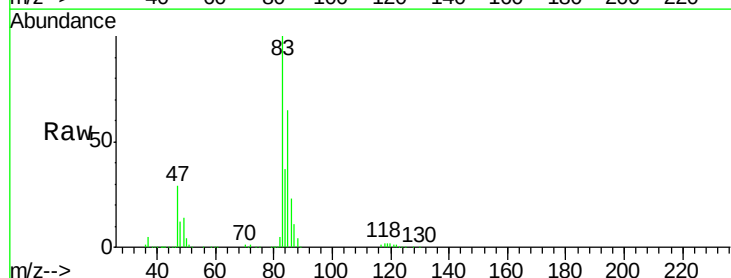


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): V

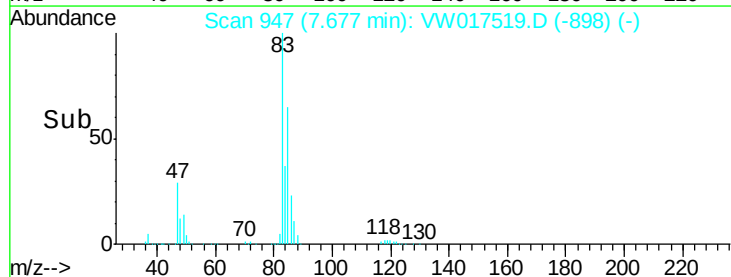
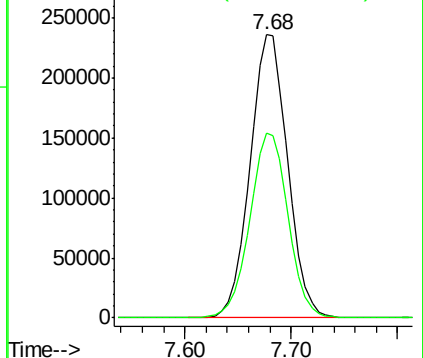


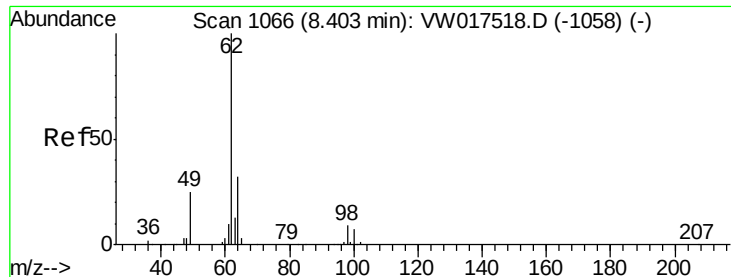
#25
Chloroform
Concen: 50.776 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017519.D
Acq: 02 Dec 2020 10:56

Tgt Ion: 83 Resp: 583415
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V

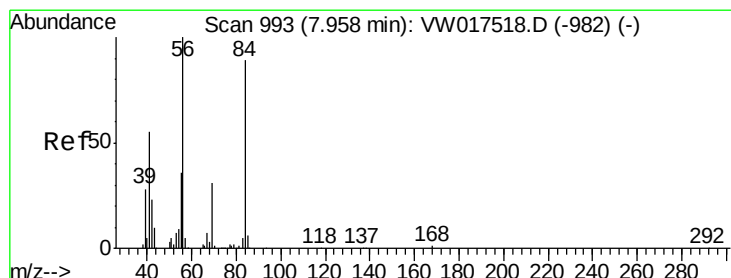
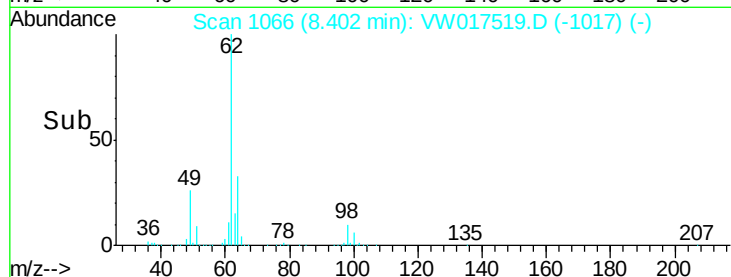
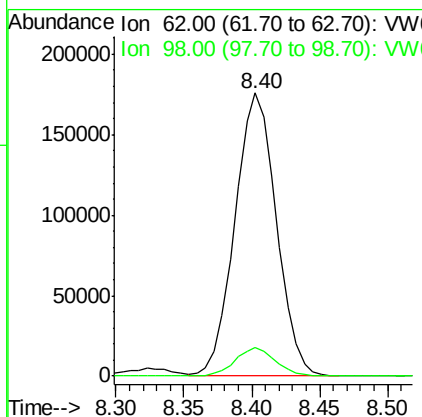
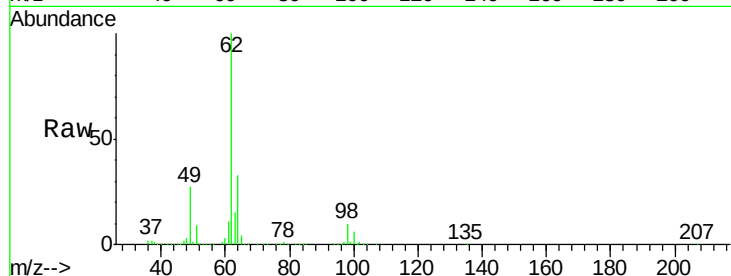




#27
 1,2-Dichloroethane
 Concen: 53.832 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

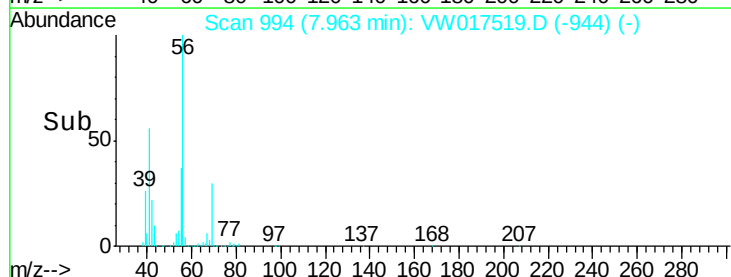
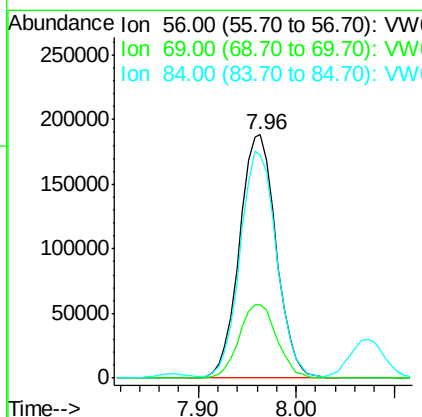
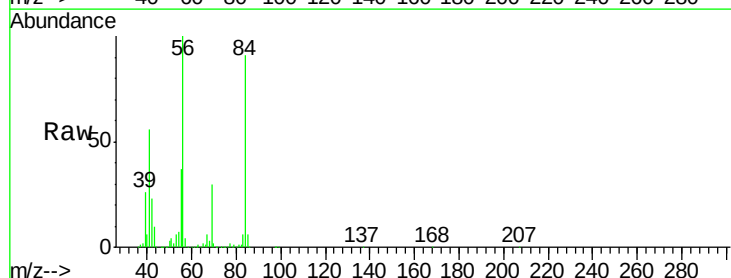
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

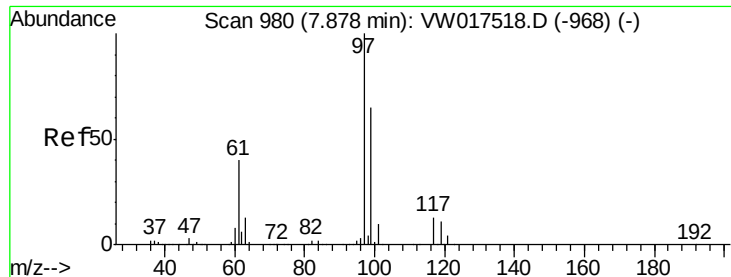
Tgt Ion: 62 Resp: 372909
 Ion Ratio Lower Upper
 62 100
 98 10.0 7.4 11.2



#29
 Cyclohexane
 Concen: 51.472 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion: 56 Resp: 490338
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.8 37.2
 84 92.9 73.3 109.9

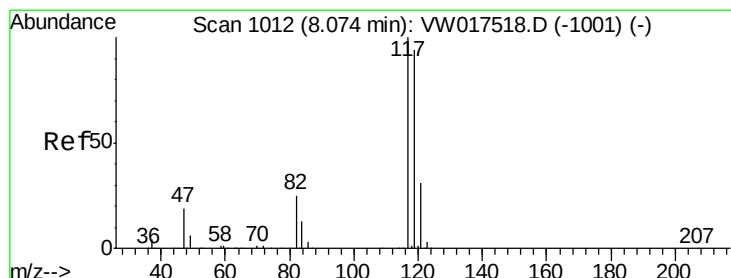
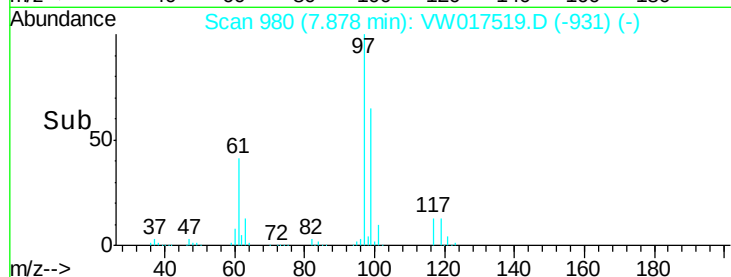
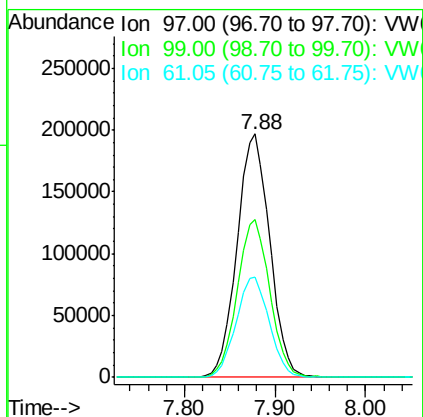
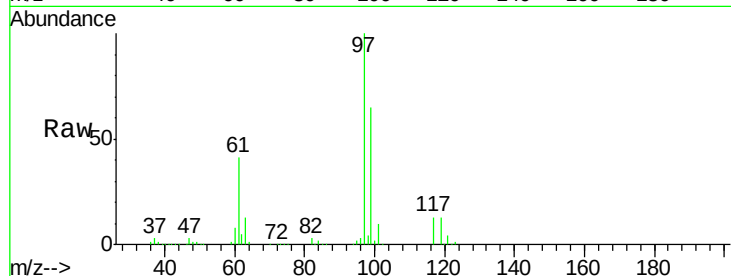




#30
 1,1,1-Trichloroethane
 Concen: 50.797 ug/L
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

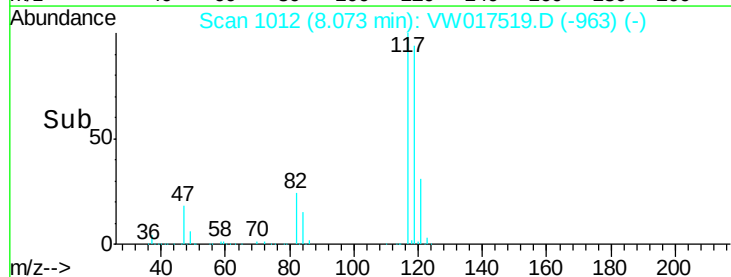
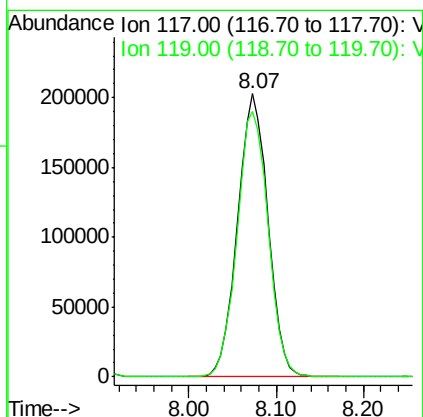
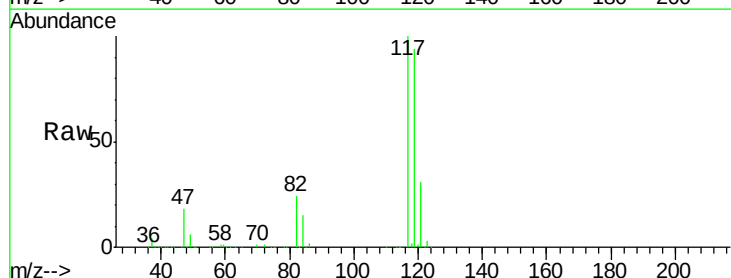
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

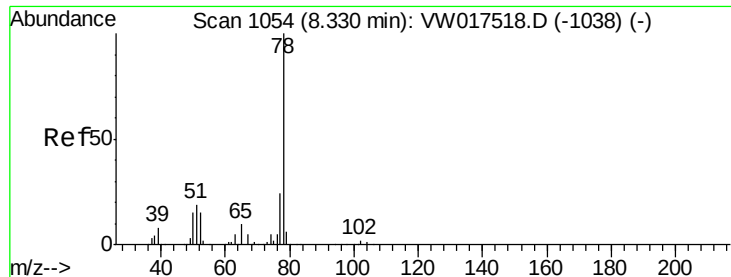
Tgt Ion: 97 Resp: 493098
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.4
 61 41.5 33.7 50.5



#31
 Carbon tetrachloride
 Concen: 51.833 ug/L
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion: 117 Resp: 489836
 Ion Ratio Lower Upper
 117 100
 119 95.9 76.6 114.8

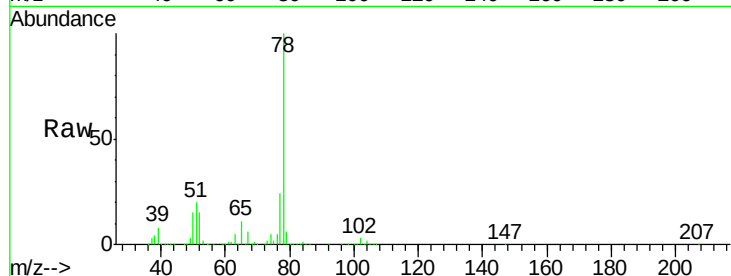




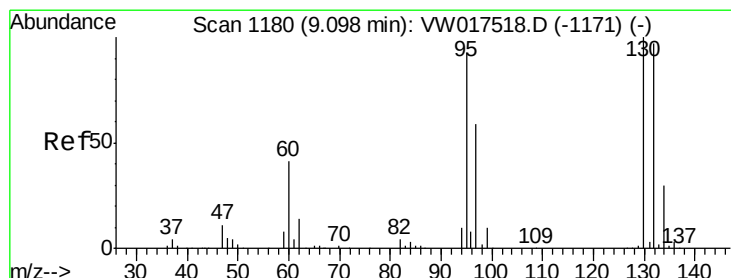
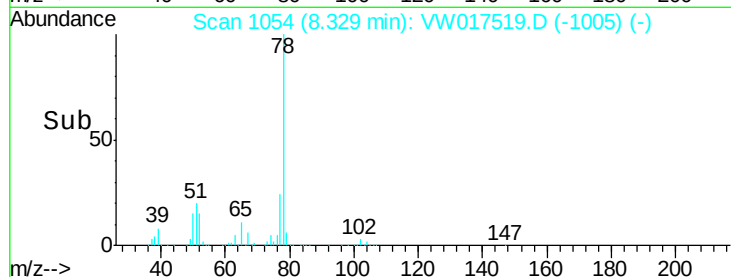
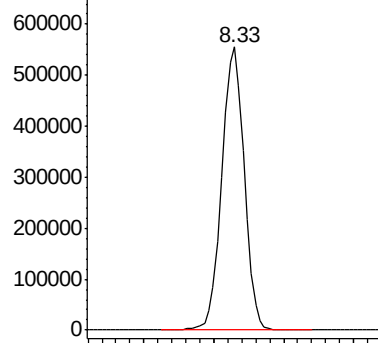
#33
Benzene
Concen: 49.960 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW017519.D
Acq: 02 Dec 2020 10:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD050105

Tgt Ion: 78 Resp: 1240472



Abundance Ion 78.00 (77.70 to 78.70): VW

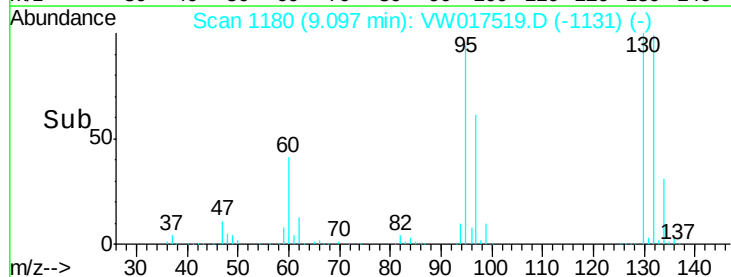
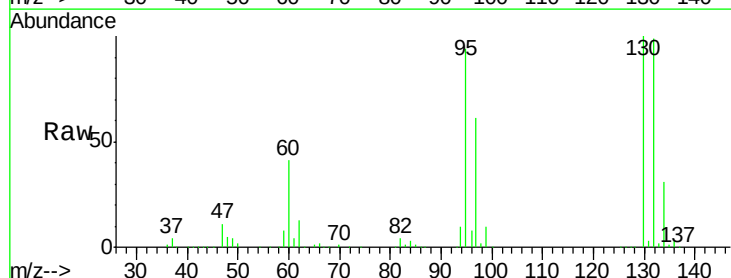
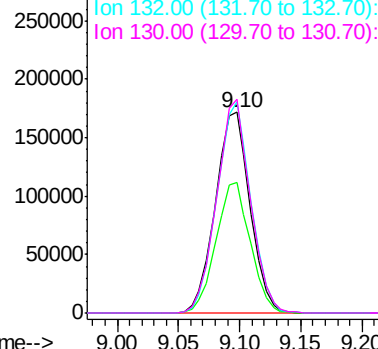


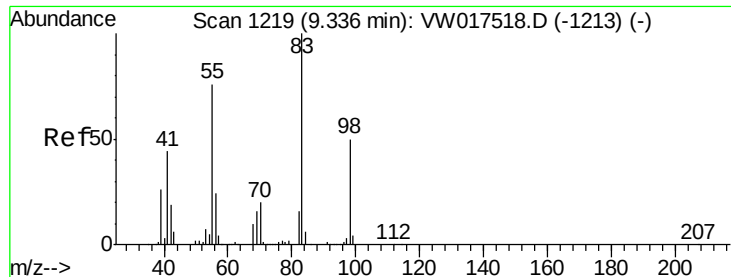
#34
Trichloroethene
Concen: 48.317 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW017519.D
Acq: 02 Dec 2020 10:56

Tgt Ion: 95 Resp: 339017
Ion Ratio Lower Upper
95 100
97 65.0 44.4 82.4
132 105.6 72.7 135.1
130 106.6 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

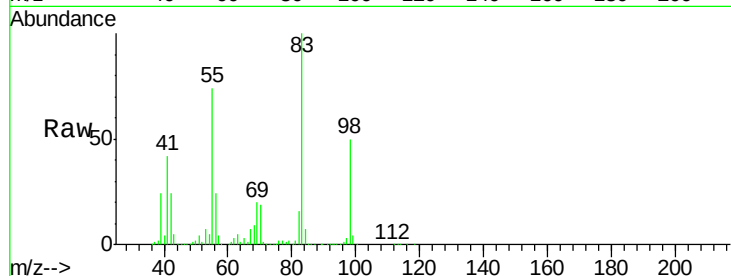




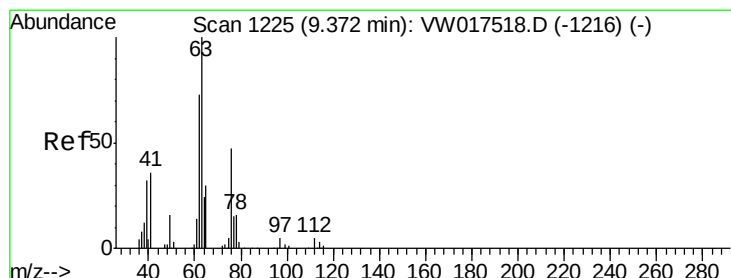
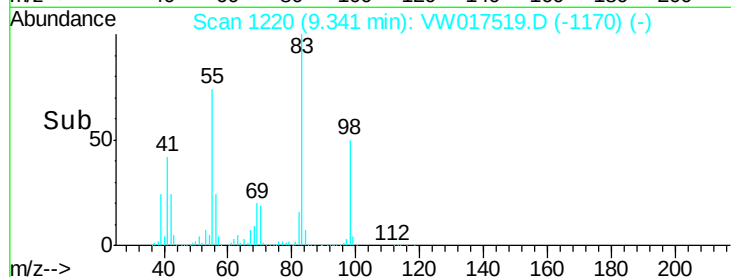
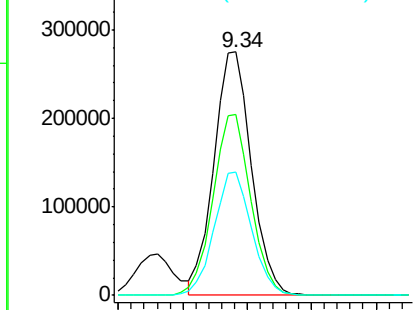
#35
Methylcyclohexane
Concen: 48.442 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW017519.D
Acq: 02 Dec 2020 10:56

Instrument :
MSVOA_W
ClientSampled :
VSTD050105

Tgt Ion: 83 Resp: 561514
Ion Ratio Lower Upper
83 100
55 74.7 58.2 87.2
98 50.7 39.9 59.9

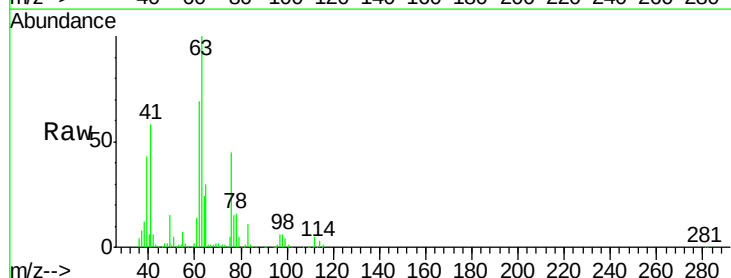


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

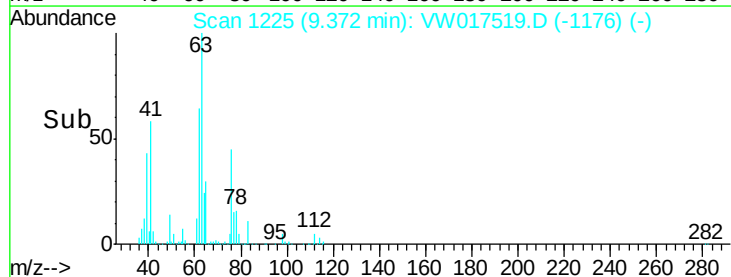
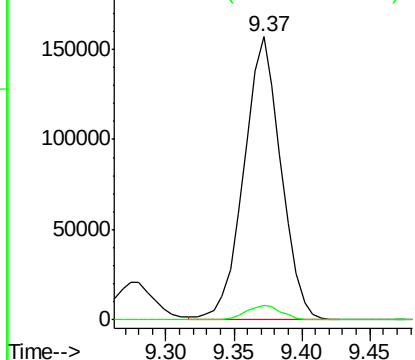


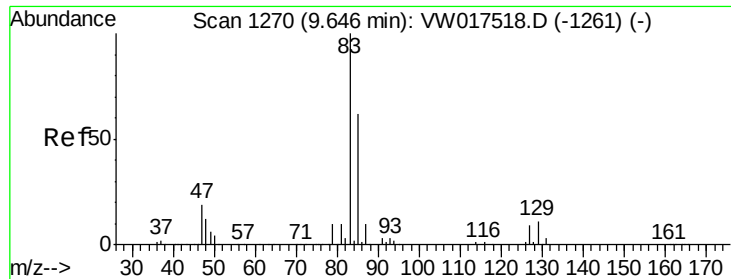
#37
1,2-Dichloropropane
Concen: 52.000 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017519.D
Acq: 02 Dec 2020 10:56

Tgt Ion: 63 Resp: 298923
Ion Ratio Lower Upper
63 100
112 5.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V

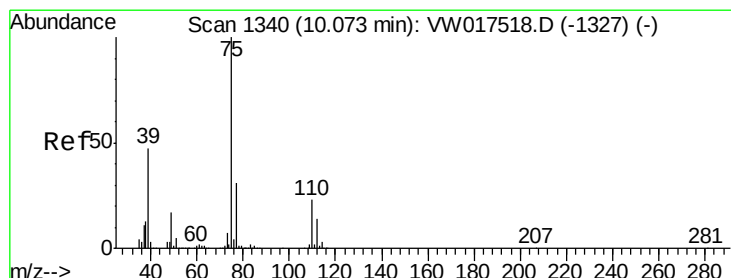
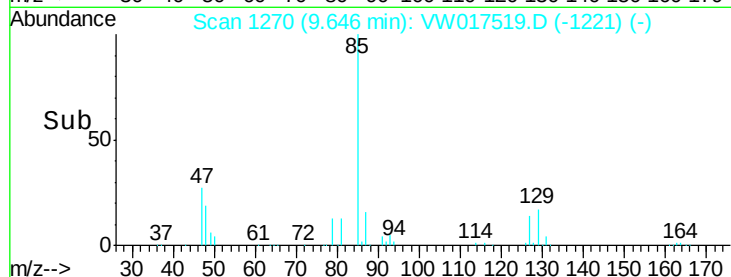
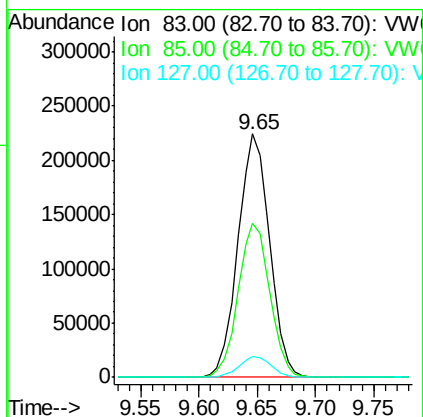
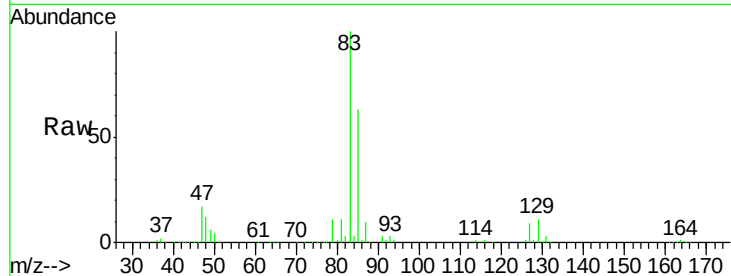




#38
 Bromodichloromethane
 Concen: 52.859 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

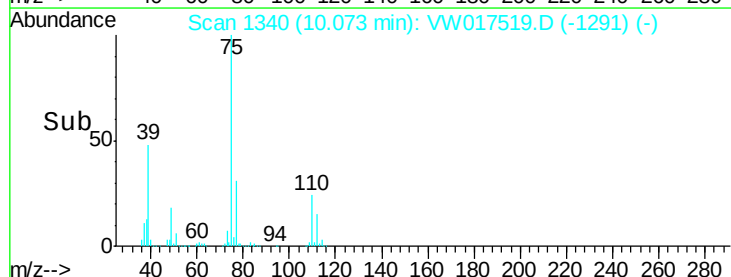
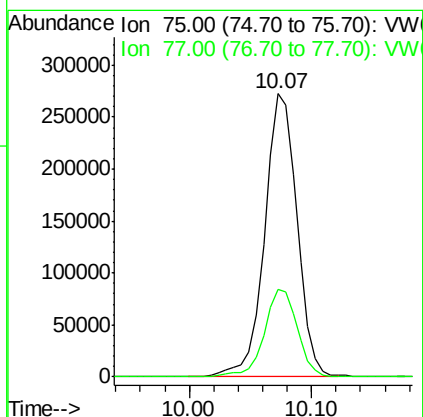
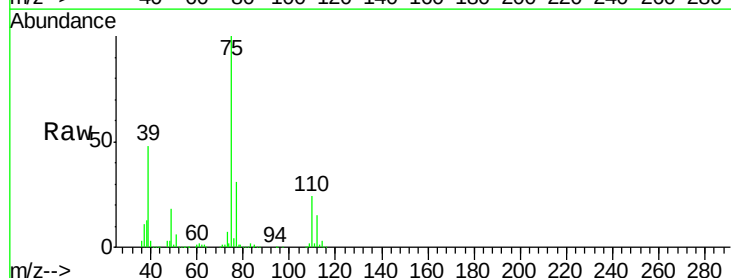
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

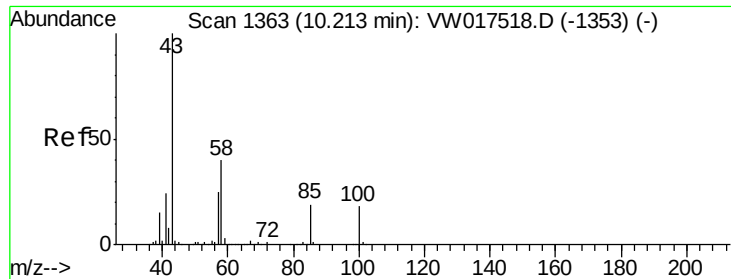
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	43.3	80.5
127	8.8	7.2	10.8



#39
 cis-1,3-Dichloropropene
 Concen: 55.506 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	21.5	39.9

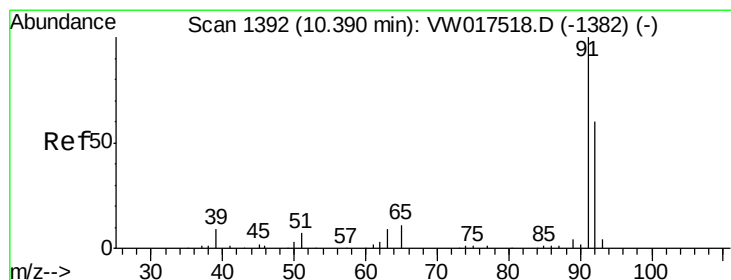
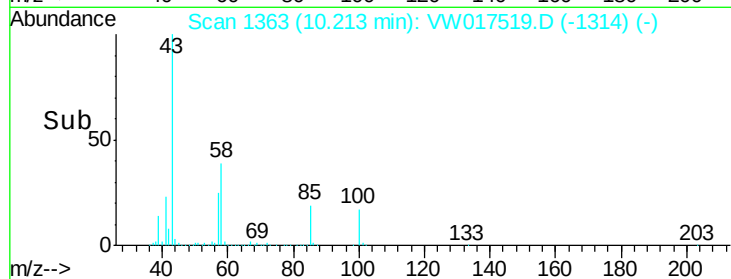
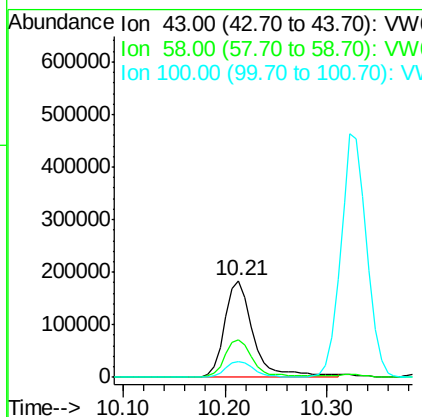
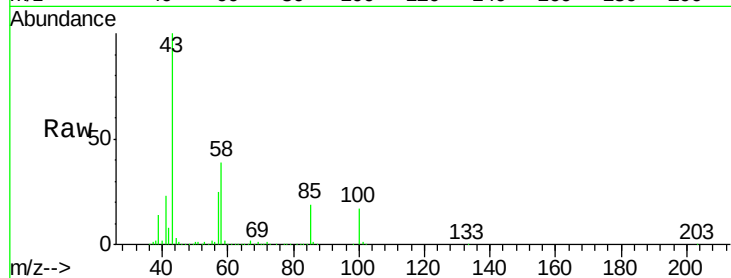




#40
 4-Methyl-2-pentanone
 Concen: 120.834 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

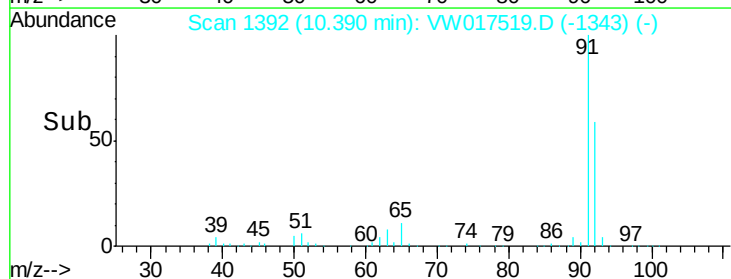
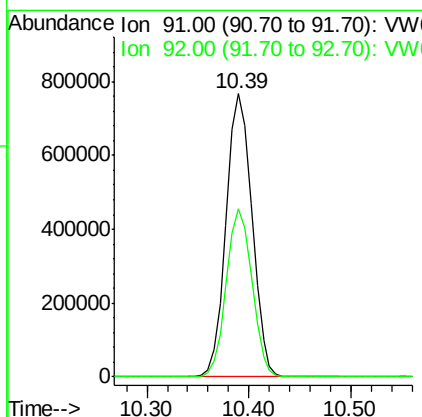
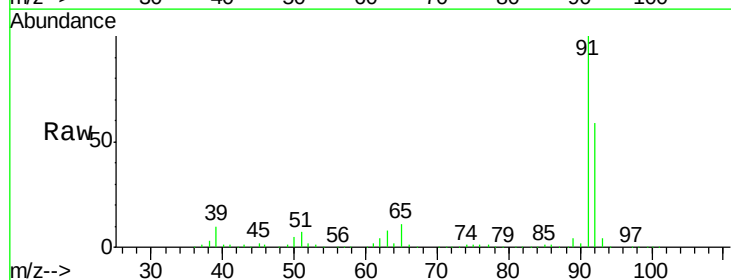
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

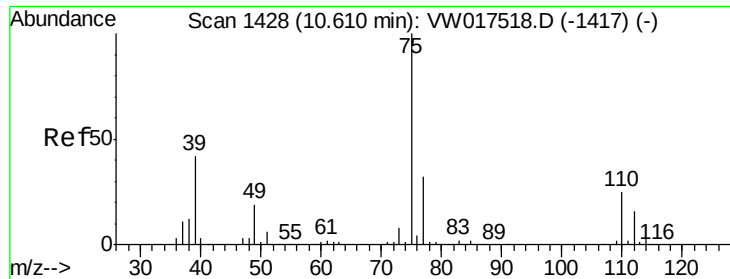
Tgt Ion: 43 Resp: 358715
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.8 46.2
 100 16.5 12.9 19.3



#42
 Toluene
 Concen: 49.278 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion: 91 Resp: 1349394
 Ion Ratio Lower Upper
 91 100
 92 59.2 42.3 78.5





#44

trans-1,3-Dichloropropene

Concen: 58.075 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

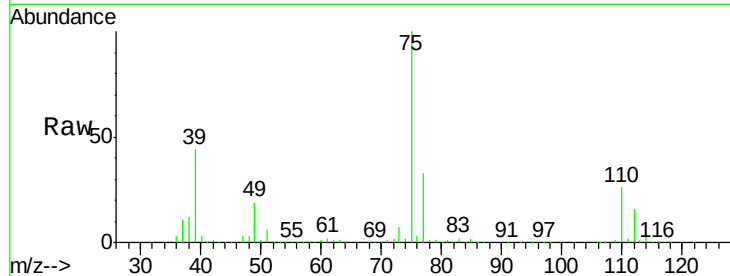
VSTD050105

Tgt Ion: 75 Resp: 452253

Ion Ratio Lower Upper

75 100

77 32.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

250000

200000

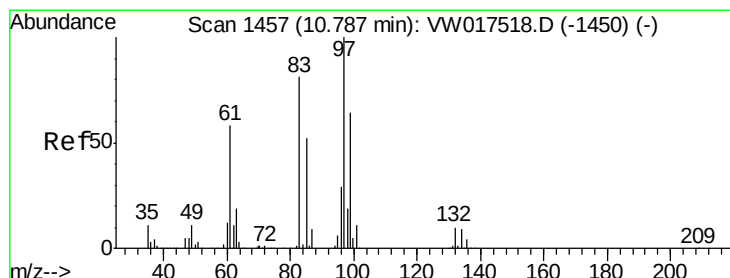
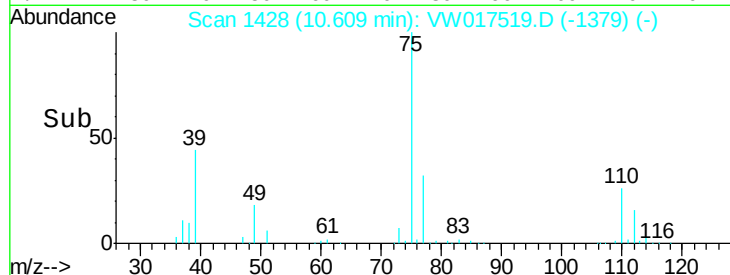
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 51.581 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Tgt Ion: 97 Resp: 239621

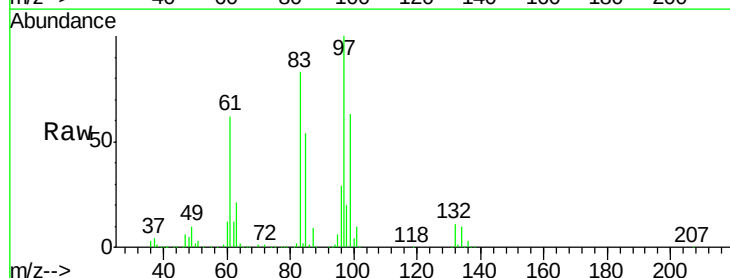
Ion Ratio Lower Upper

97 100

99 62.9 44.5 82.7

83 83.0 56.7 105.3

85 54.4 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

200000

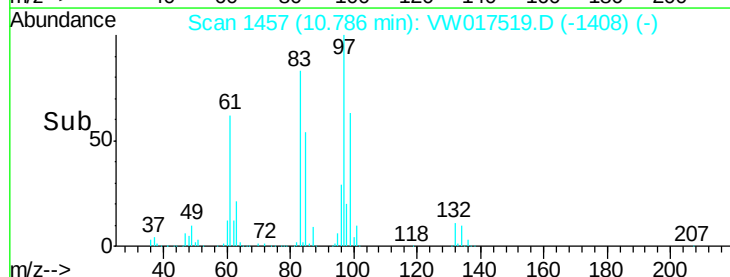
150000

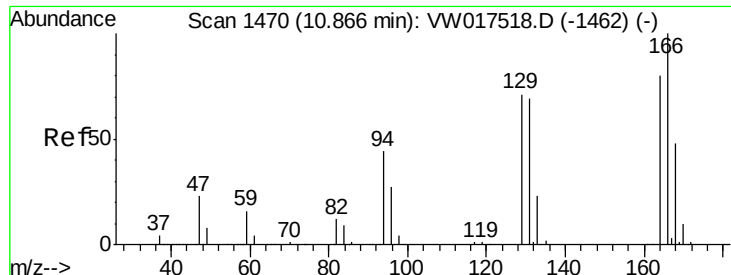
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 44.786 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

Tgt Ion:164 Resp: 282626

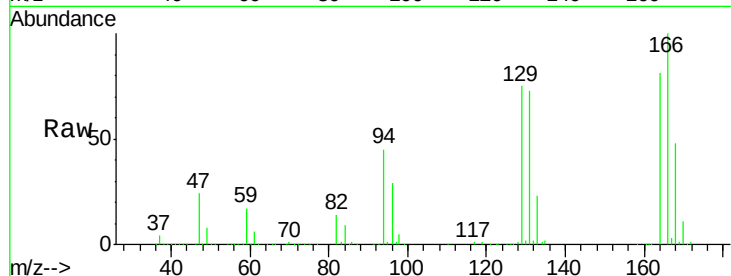
Ion Ratio Lower Upper

164 100

129 92.6 61.9 115.1

131 90.7 60.4 112.2

166 123.9 87.5 162.5

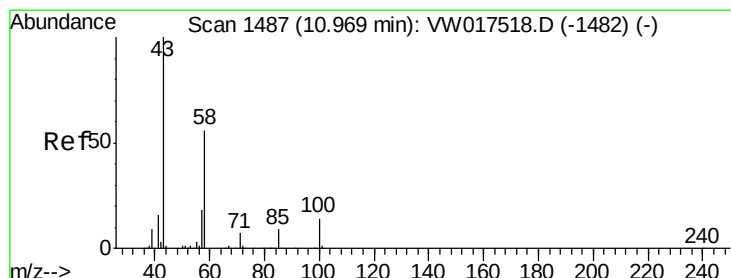
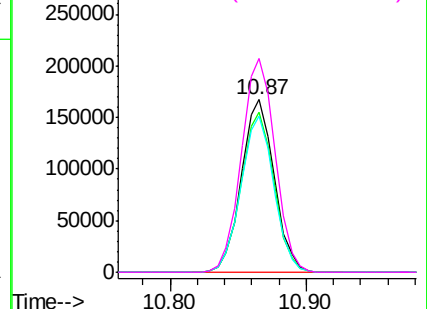
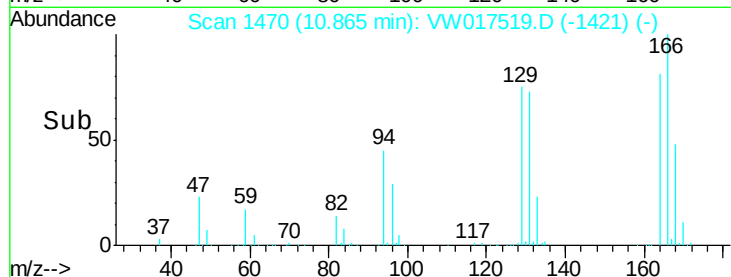


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 130.140 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Tgt Ion: 43 Resp: 262171

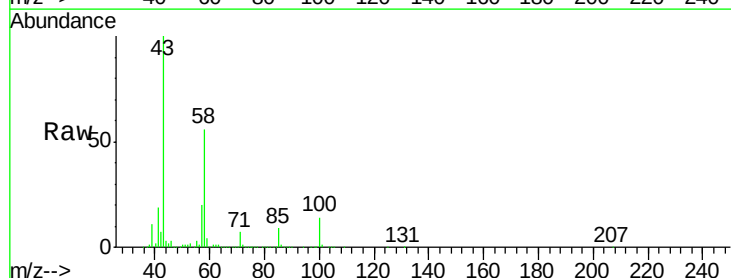
Ion Ratio Lower Upper

43 100

58 56.4 44.5 66.7

57 20.2 14.7 22.1

100 14.4 9.8 14.6

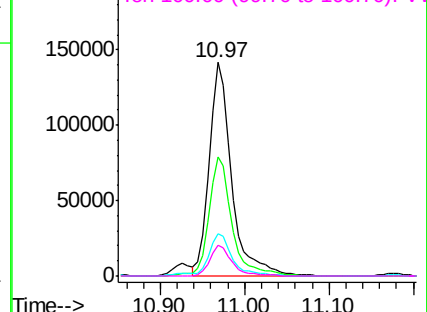
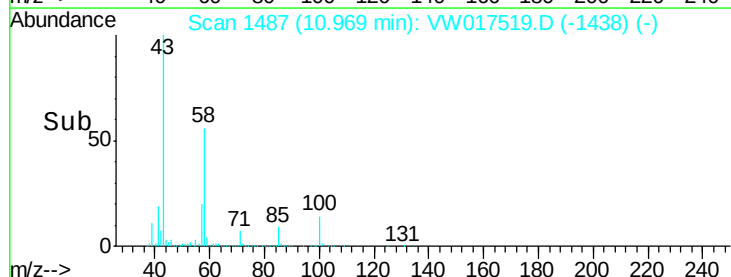


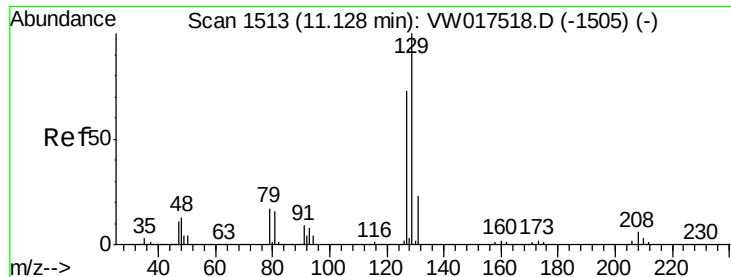
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 54.395 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

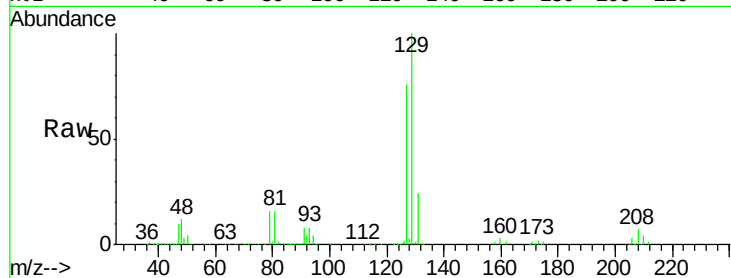
VSTD050105

Tgt Ion:129 Resp: 311690

Ion Ratio Lower Upper

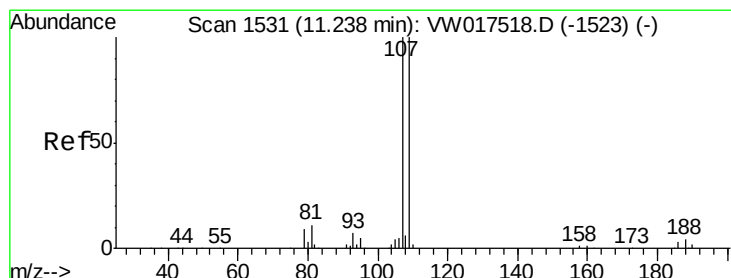
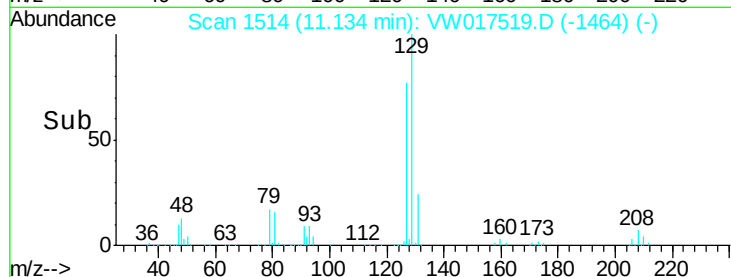
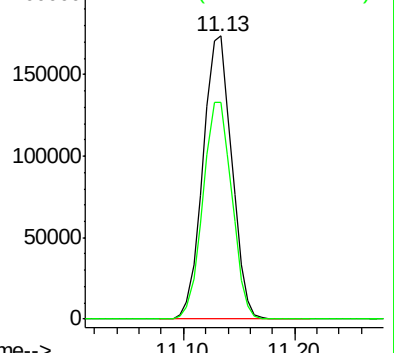
129 100

127 76.4 51.2 95.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 53.032 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

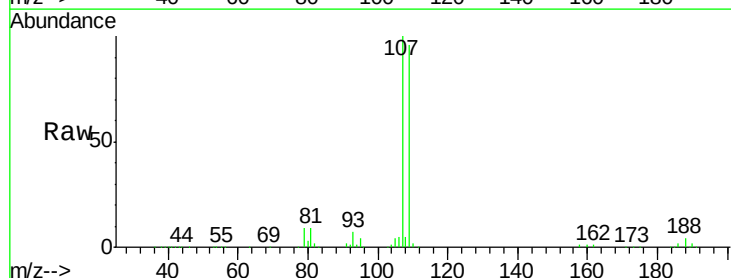
Tgt Ion:107 Resp: 236560

Ion Ratio Lower Upper

107 100

109 95.9 70.1 130.1

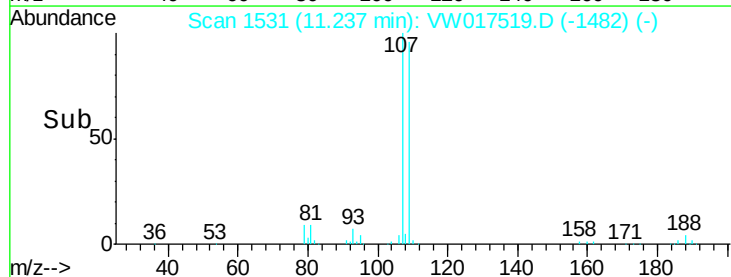
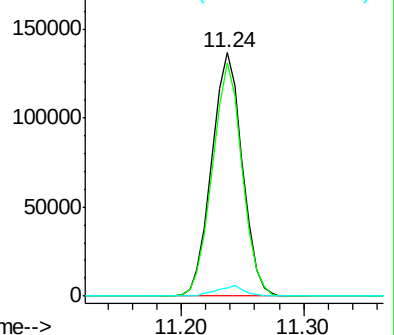
188 3.6 3.0 4.4

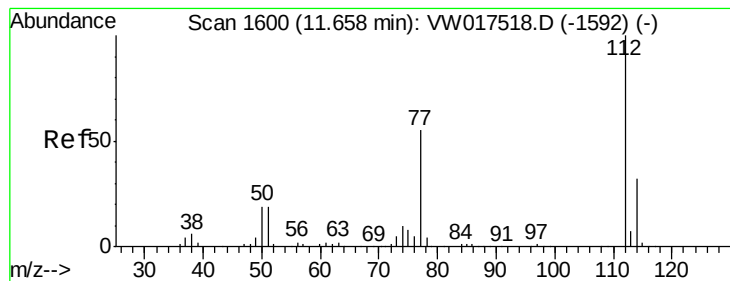


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 48.030 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

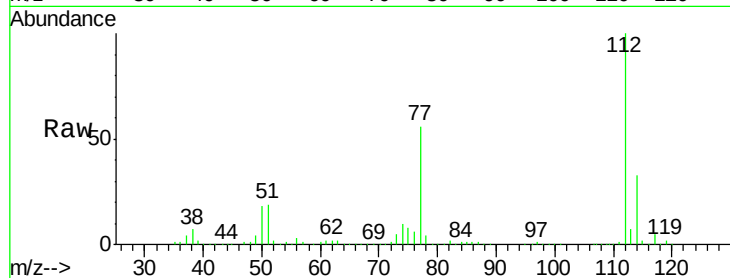
Tgt Ion: 112 Resp: 879576

Ion Ratio Lower Upper

112 100

114 32.8 22.6 42.0

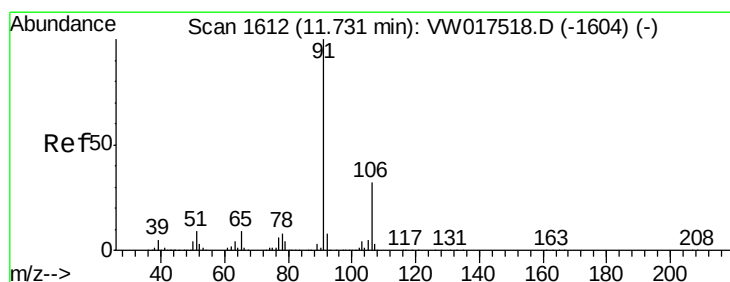
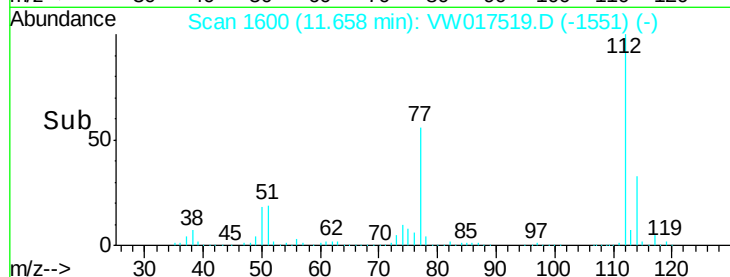
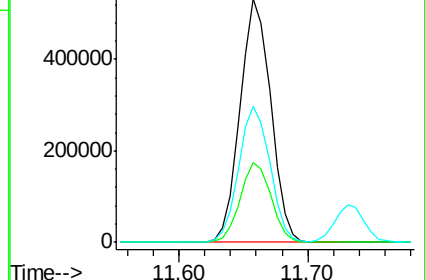
77 55.7 44.3 66.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 50.068 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017519.D

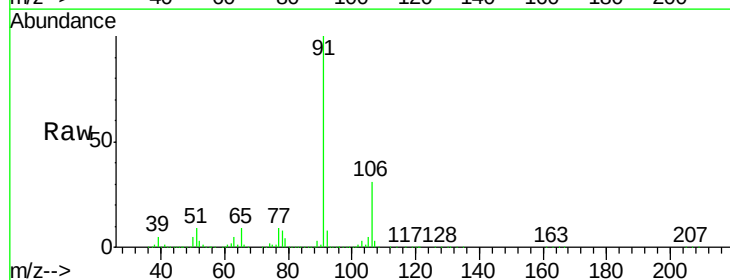
Acq: 02 Dec 2020 10:56

Tgt Ion: 91 Resp: 1547116

Ion Ratio Lower Upper

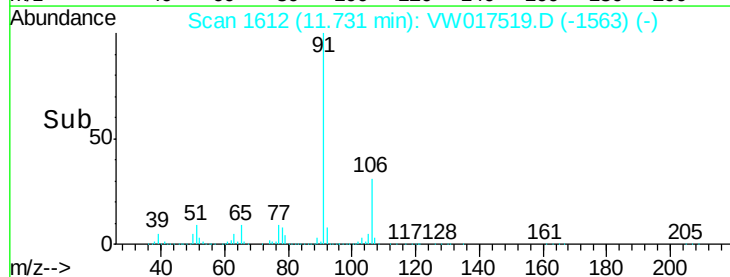
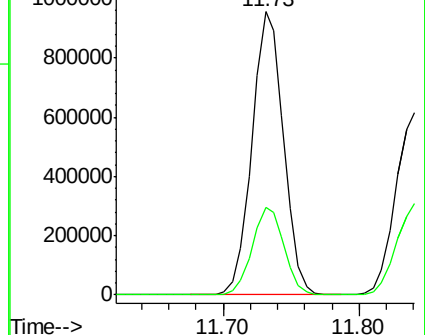
91 100

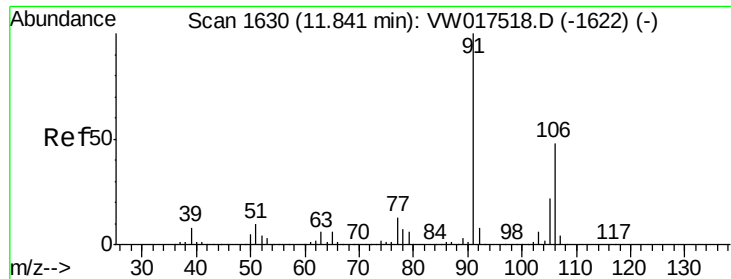
106 31.0 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 48.620 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

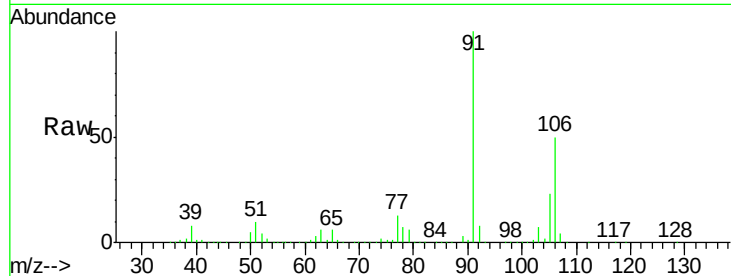
VSTD050105

Tgt Ion:106 Resp: 581378

Ion Ratio Lower Upper

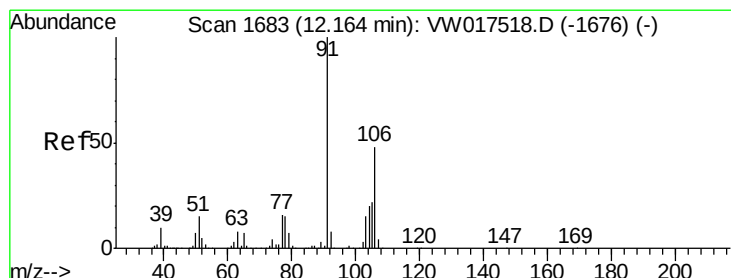
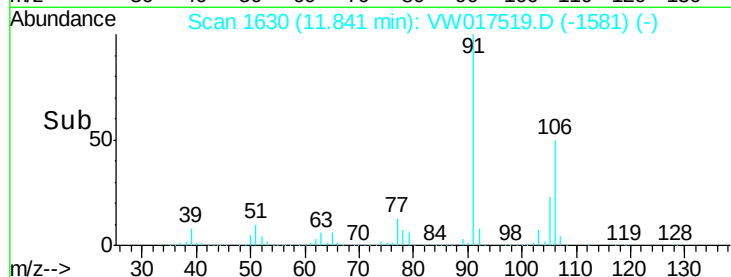
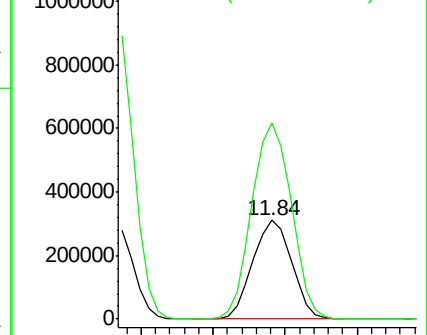
106 100

91 198.4 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 49.159 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017519.D

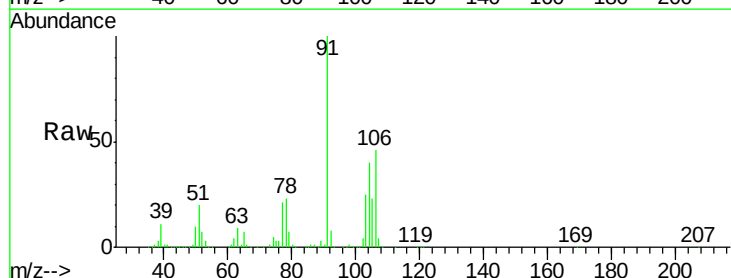
Acq: 02 Dec 2020 10:56

Tgt Ion:106 Resp: 557066

Ion Ratio Lower Upper

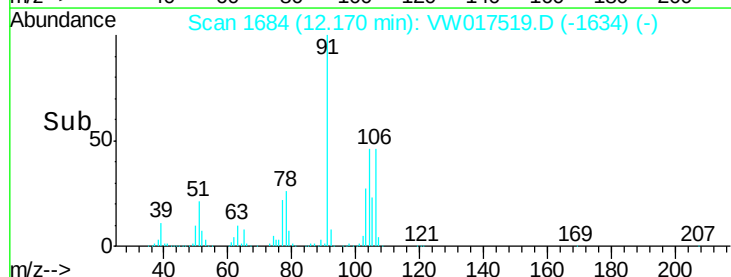
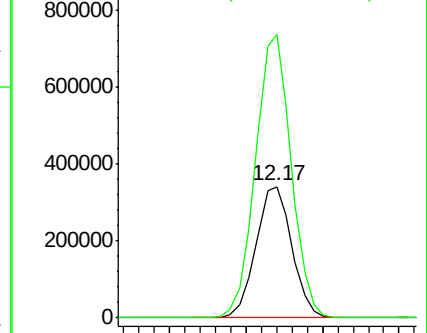
106 100

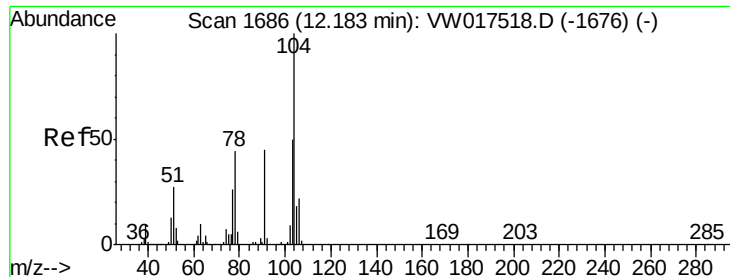
91 215.1 146.0 271.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 51.057 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

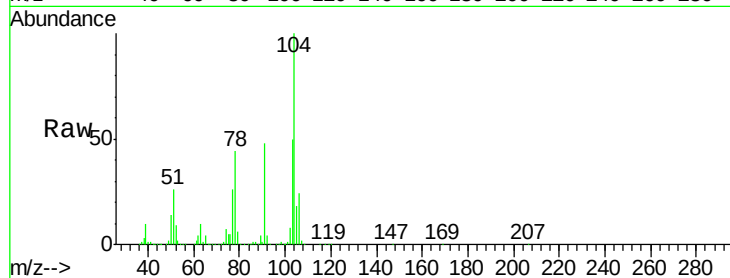
VSTD050105

Tgt Ion: 104 Resp: 966362

Ion Ratio Lower Upper

104 100

78 43.9 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW

12.18

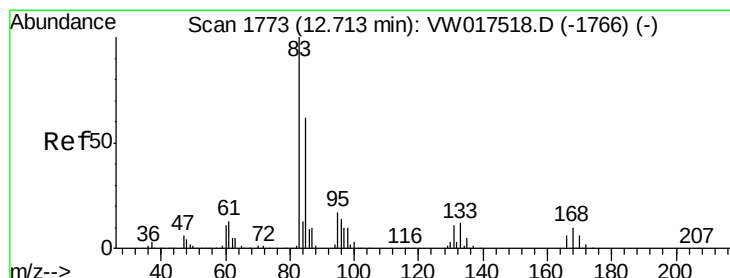
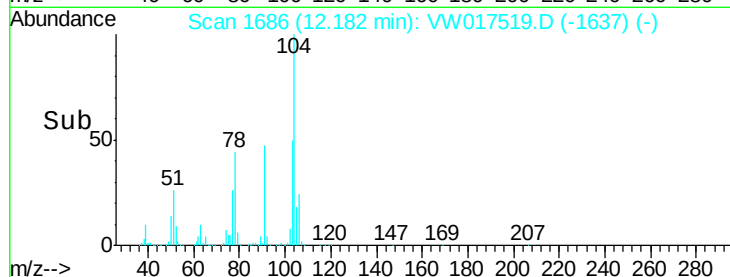
600000

400000

200000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 55.125 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

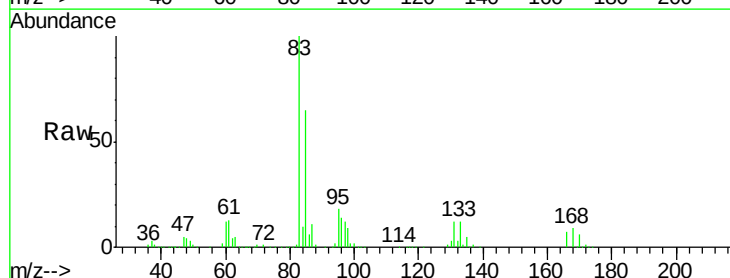
Tgt Ion: 83 Resp: 281314

Ion Ratio Lower Upper

83 100

85 65.5 43.3 80.3

131 11.6 9.1 13.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW

12.72

200000

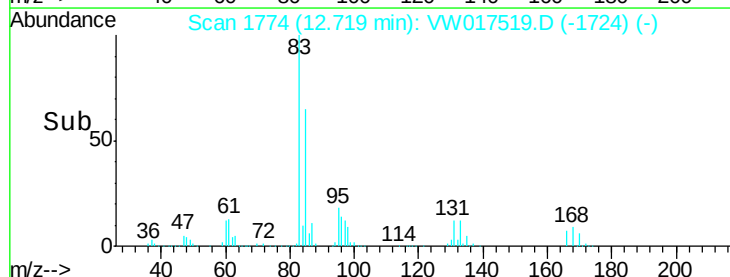
150000

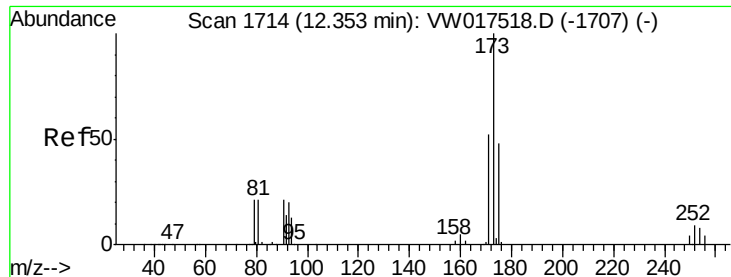
100000

50000

0

Time-->





#59

Bromoform

Concen: 54.145 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

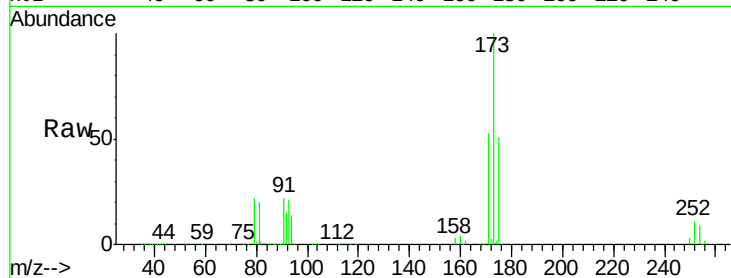
Tgt Ion:173 Resp: 181090

Ion Ratio Lower Upper

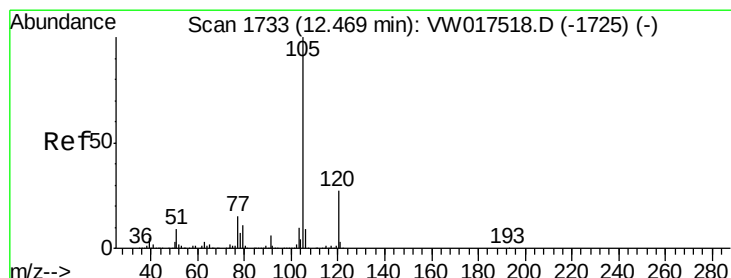
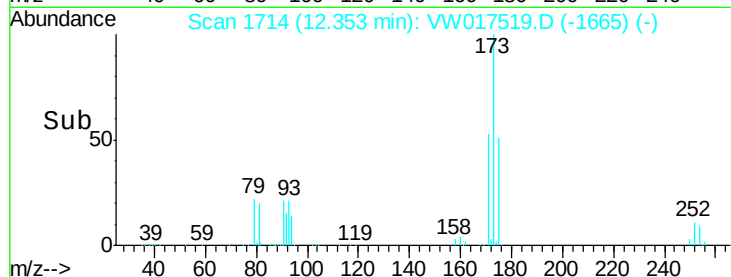
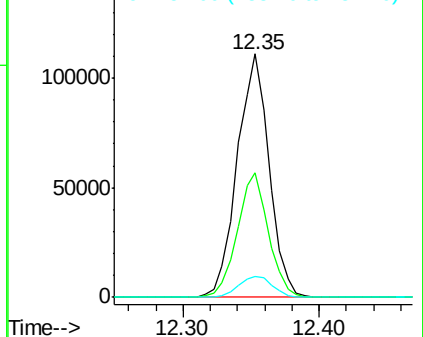
173 100

175 49.7 38.9 58.3

254 9.4 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 49.729 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

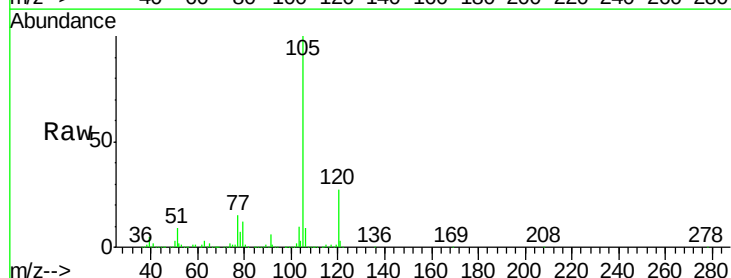
Tgt Ion:105 Resp: 1519150

Ion Ratio Lower Upper

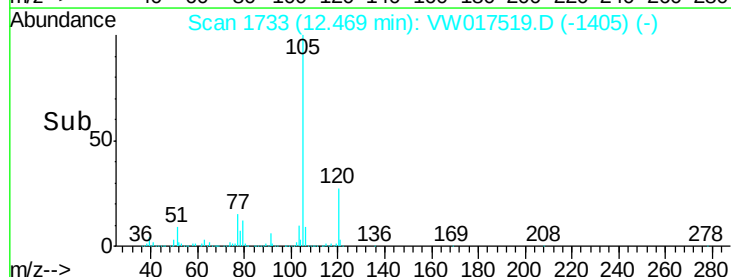
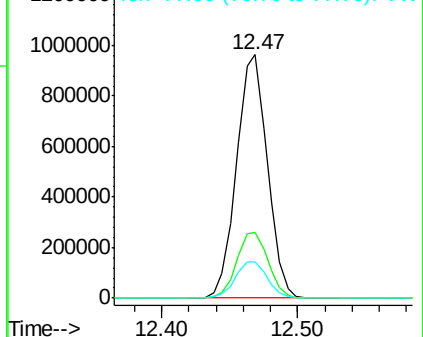
105 100

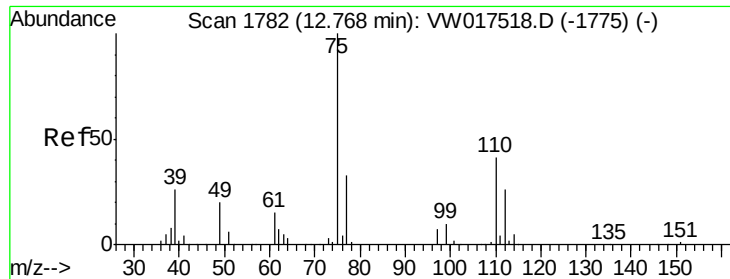
120 27.5 21.5 32.3

77 15.7 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

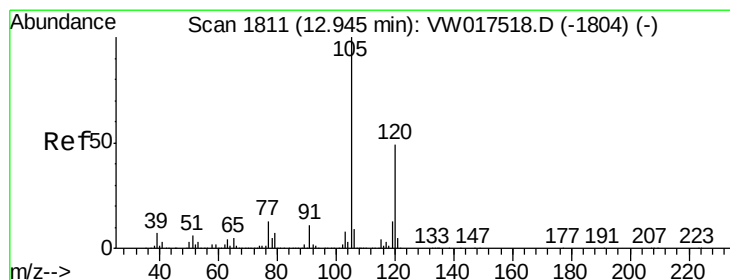
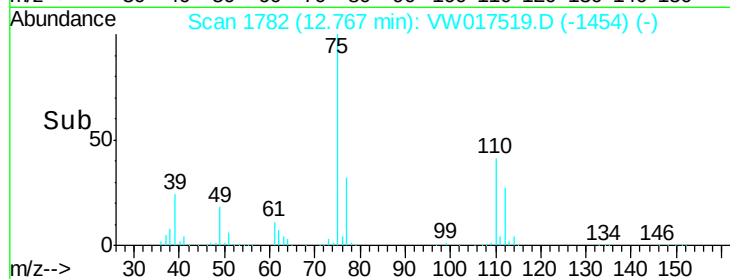
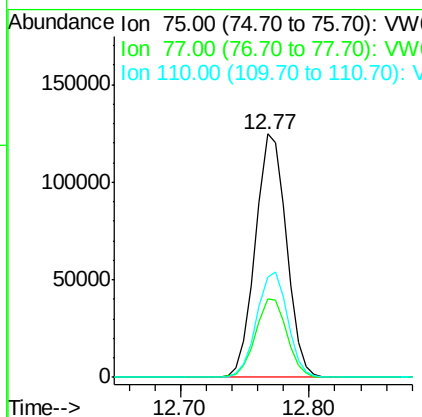
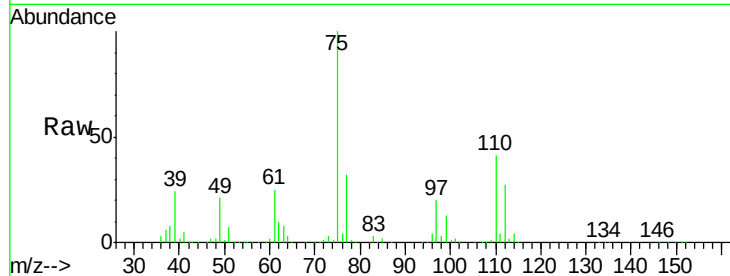




#61
 1,2,3-Trichloropropane
 Concen: 55.599 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

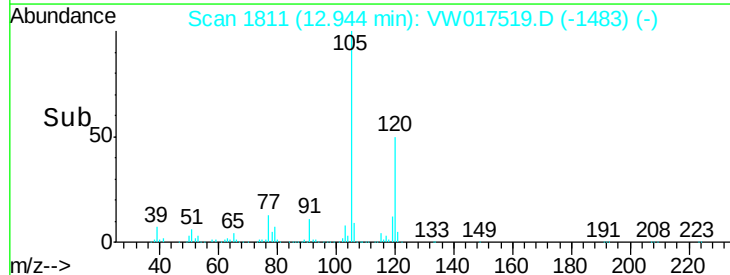
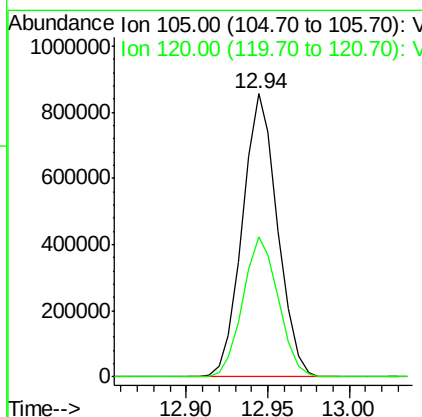
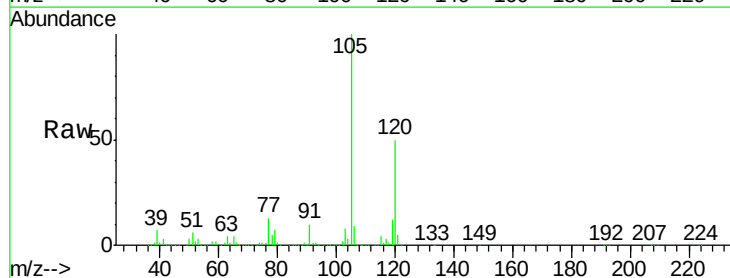
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

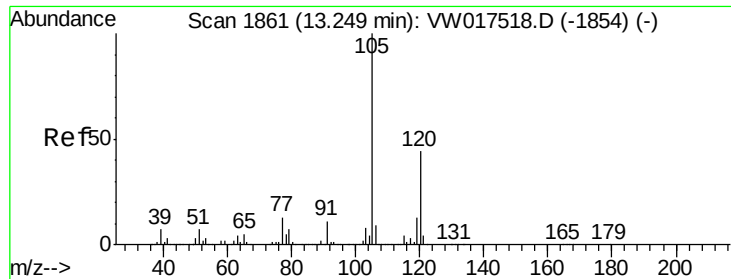
Tgt Ion: 75 Resp: 207143
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.6 40.0
 110 43.1 34.4 51.6



#62
 1,3,5-Trimethylbenzene
 Concen: 50.544 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion: 105 Resp: 1276839
 Ion Ratio Lower Upper
 105 100
 120 50.1 38.9 58.3

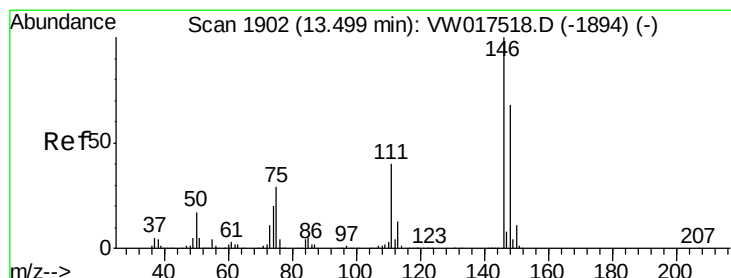
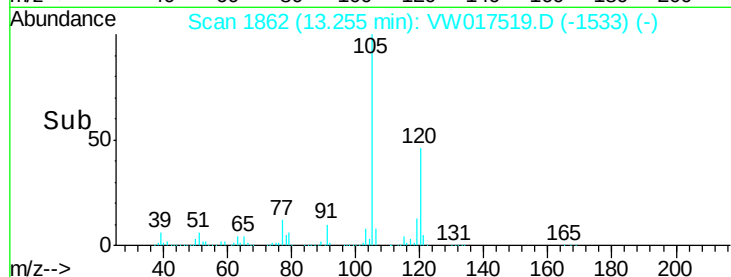
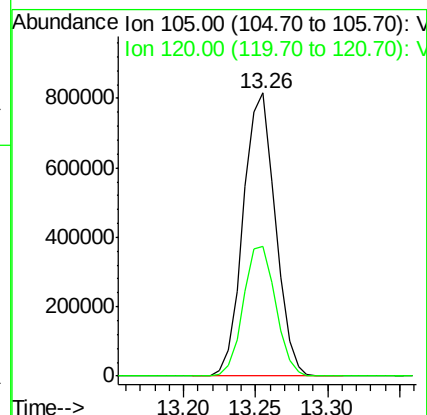
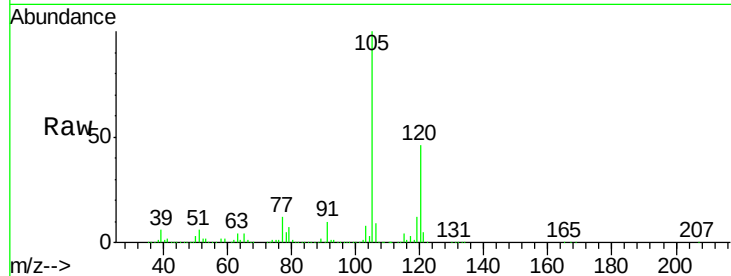




#63
 1,2,4-Trimethylbenzene
 Concen: 52.531 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

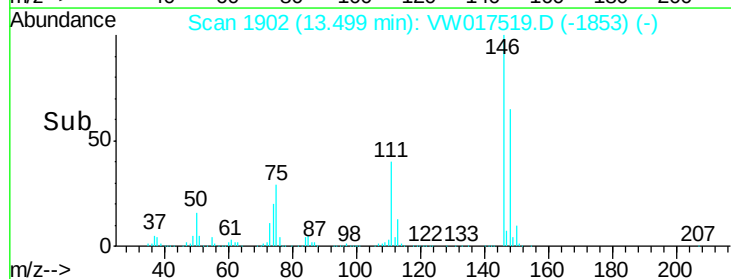
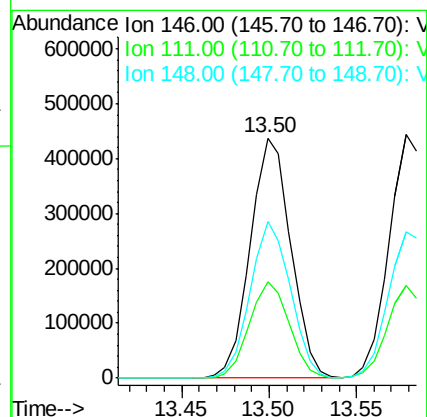
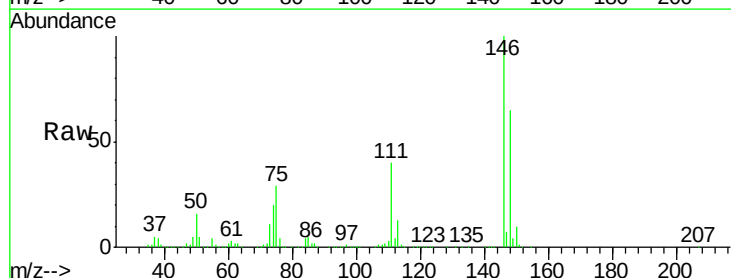
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

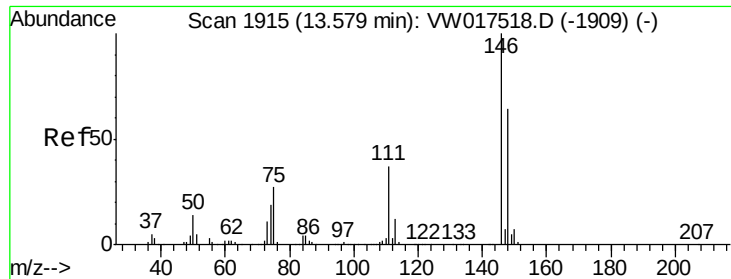
Tgt Ion:105 Resp: 1260960
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.8 55.2



#64
 1,3-Dichlorobenzene
 Concen: 47.918 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion:146 Resp: 705718
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.9 51.9
 148 65.3 47.3 87.8

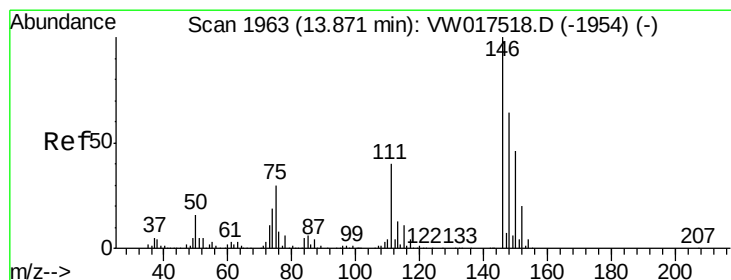
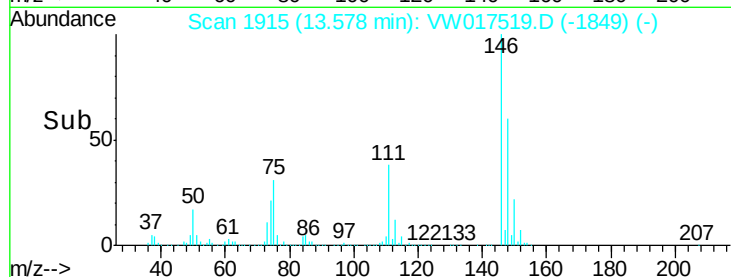
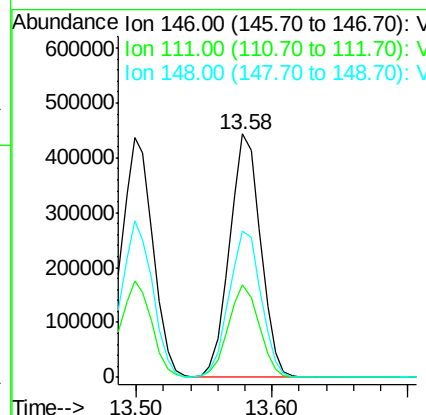
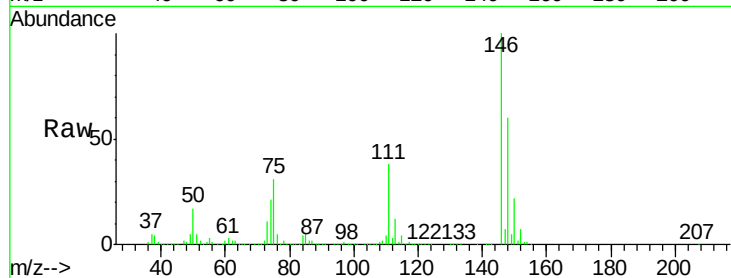




#65
 1,4-Dichlorobenzene
 Concen: 48.060 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

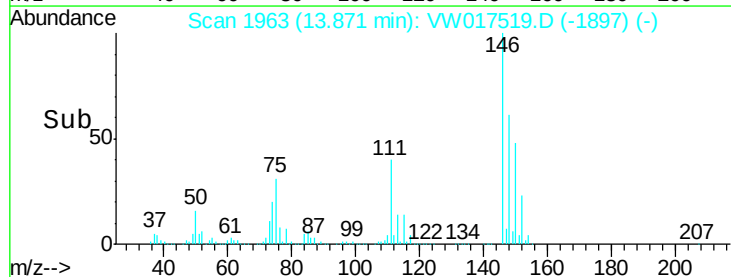
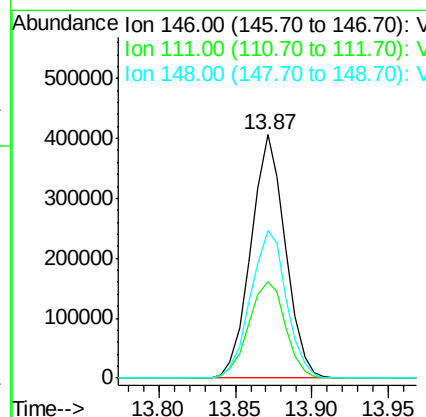
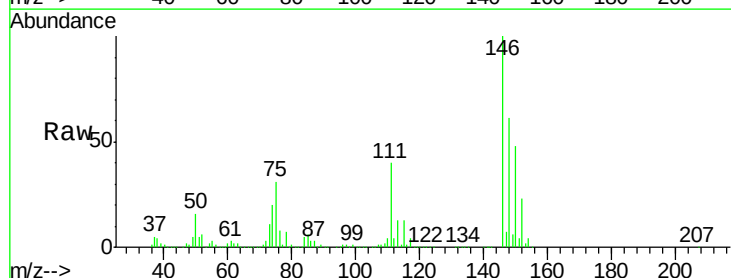
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD050105

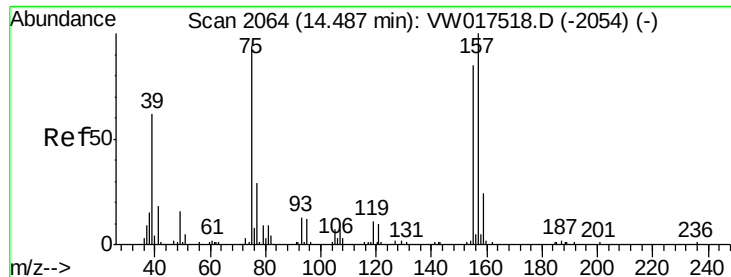
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.3	48.9
148	59.9	44.9	83.3



#67
 1,2-Dichlorobenzene
 Concen: 49.432 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	32.4	48.6
148	60.7	51.3	76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 61.869 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD050105

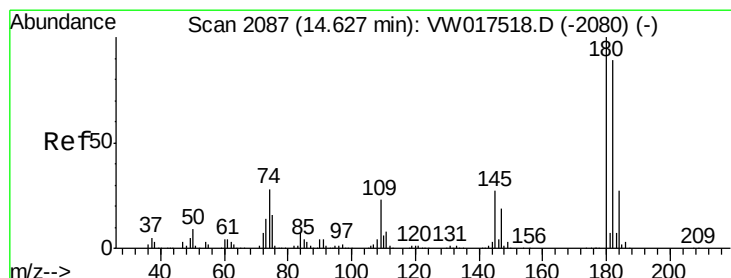
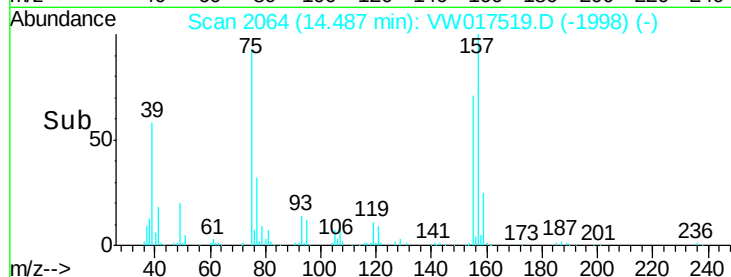
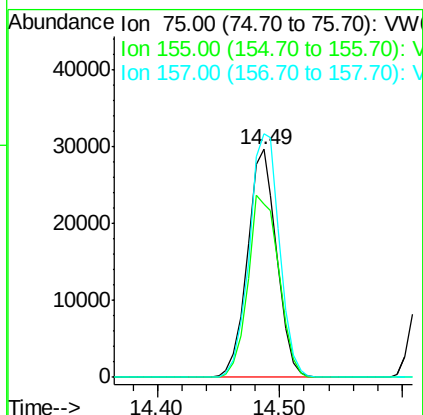
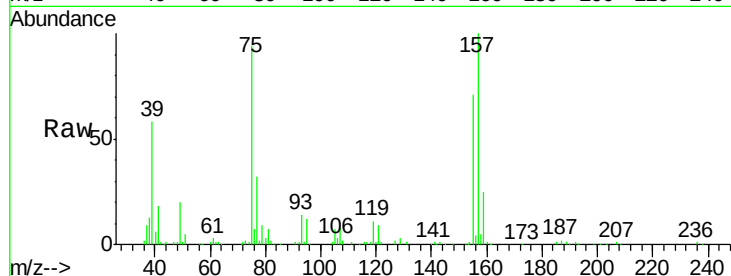
Tgt Ion: 75 Resp: 48997

Ion	Ratio	Lower	Upper
75	100		
155	76.3	72.6	109.0
157	106.9	85.2	127.8

75 100

155 76.3 72.6 109.0

157 106.9 85.2 127.8



#69

1,3,5-Trichlorobenzene

Concen: 48.652 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW017519.D

Acq: 02 Dec 2020 10:56

Tgt Ion: 180 Resp: 526298

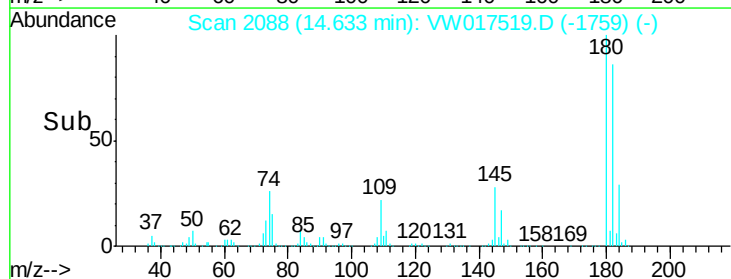
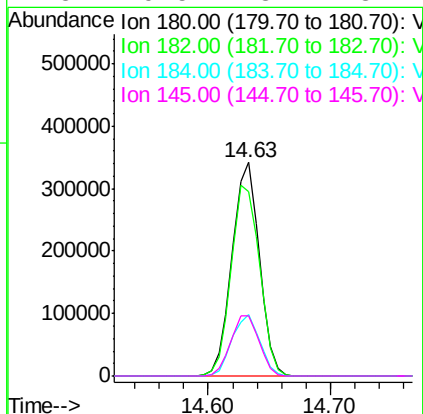
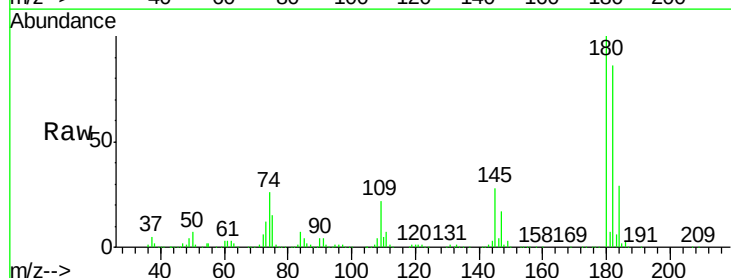
Ion	Ratio	Lower	Upper
180	100		
182	93.3	74.9	112.3
184	29.1	23.8	35.6
145	29.5	23.1	34.7

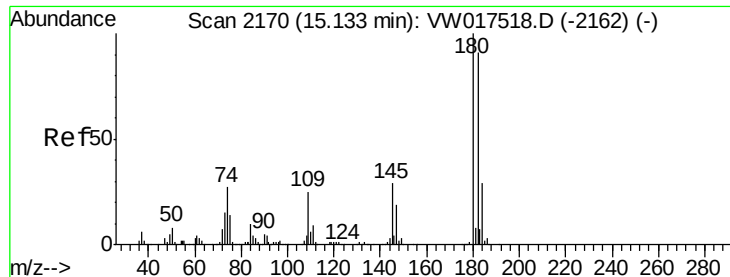
180 100

182 93.3 74.9 112.3

184 29.1 23.8 35.6

145 29.5 23.1 34.7

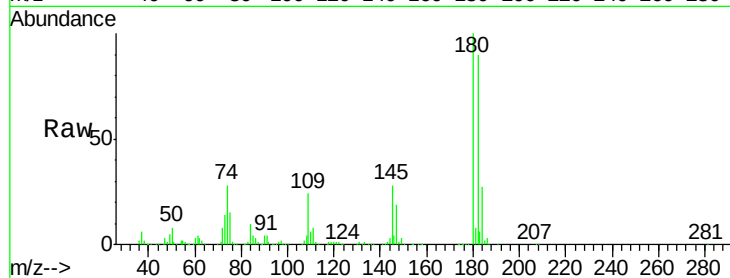




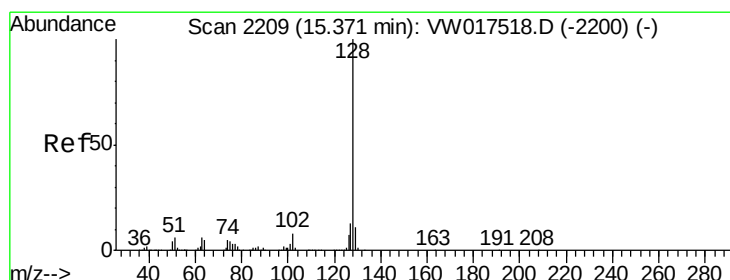
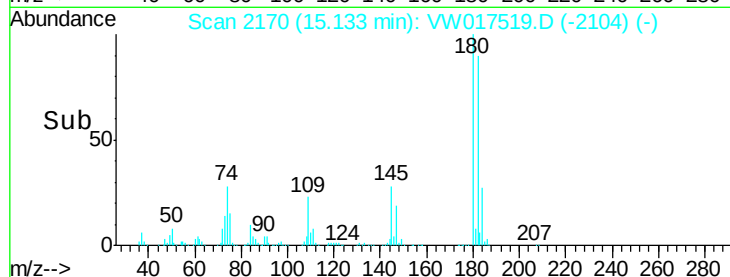
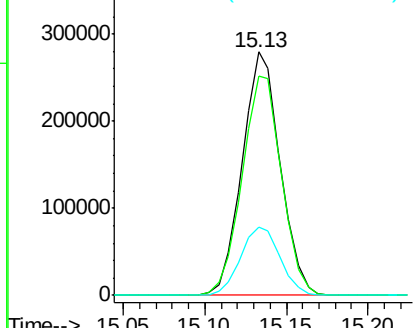
#70
 1,2,4-trichlorobenzene
 Concen: 51.932 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

Tgt Ion:180 Resp: 452370
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.8 115.2
 145 29.3 24.5 36.7

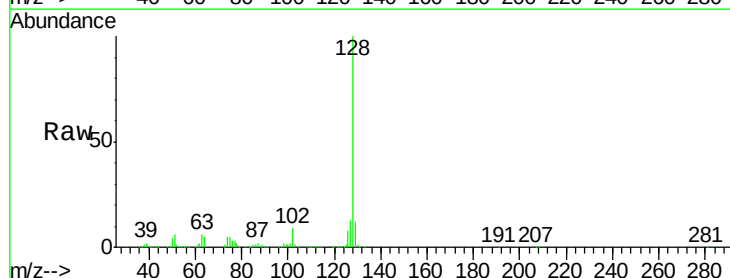


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

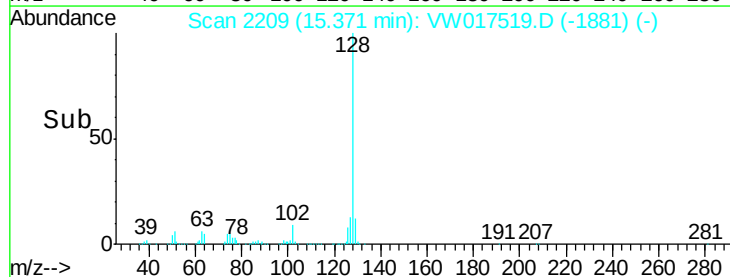
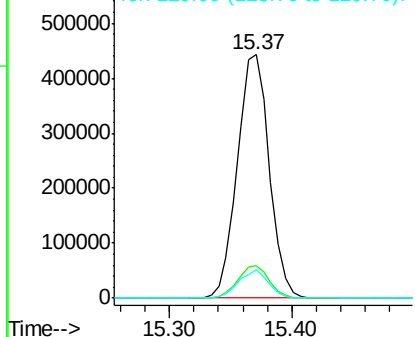


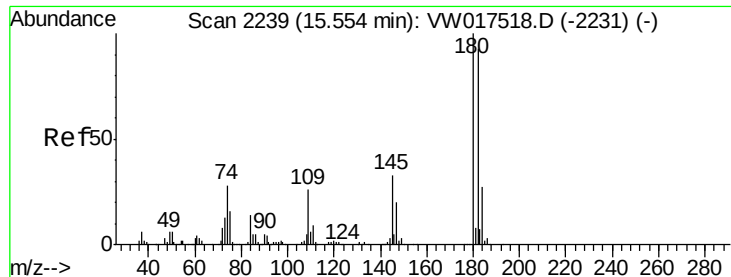
#71
 Naphthalene
 Concen: 56.141 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Tgt Ion:128 Resp: 800764
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 10.8 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

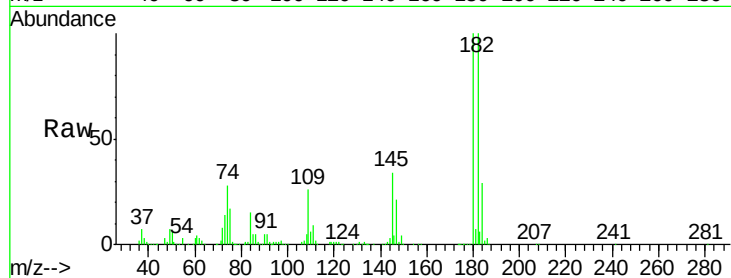




#72
 1,2,3-Trichlorobenzene
 Concen: 51.112 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW017519.D
 Acq: 02 Dec 2020 10:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050105

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	79.0	118.6
145	32.6	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

