

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122820\
 Data File : VW017766.D
 Acq On : 28 Dec 2020 17:41
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

Quant Time: Dec 29 04:13:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 04:12:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339827	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	328086	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	173406	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116185	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
7) Chloroethane-d5	2.89	69	108787	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	4.02	63	215099	23.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.36%
21) 2-Butanone-d5	7.08	46	69893	59.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.52%
24) Chloroform-d	7.65	84	232946	24.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	8.31	65	138435	26.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	8.27	84	445236	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	9.27	67	130743	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
41) Toluene-d8	10.32	98	421210	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.48%
43) trans-1,3-Dichloropropene-	10.58	79	65178	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.04%
47) 2-Hexanone-d5	10.93	63	52495	60.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.68%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	134631	28.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.56%
66) 1,2-Dichlorobenzene-d4	13.85	152	157958	26.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	91151	23.159	ug/L 99
3) Chloromethane	2.21	50	81511	23.855	ug/L 100
5) Vinyl chloride	2.37	62	138895	24.356	ug/L 97
6) Bromomethane	2.78	94	126296	26.224	ug/L 98
8) Chloroethane	2.92	64	94735	25.189	ug/L 96
9) Trichlorofluoromethane	3.26	101	91650	22.452	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	109515	24.642	ug/L 98
12) 1,1-Dichloroethene	4.05	96	106783	25.195	ug/L 82
13) Acetone	4.13	43	45187	51.112	ug/L 93
14) Carbon disulfide	4.39	76	320548	24.419	ug/L 98
15) Methyl Acetate	4.67	43	56036	28.276	ug/L 97
16) Methylene chloride	4.92	84	117062	21.892	ug/L 96
17) trans-1,2-Dichloroethene	5.42	96	117163	24.621	ug/L 98
18) Methyl tert-butyl Ether	5.43	73	161384	26.039	ug/L 99
19) 1,1-Dichloroethane	6.21	63	204937	24.633	ug/L 98
20) cis-1,2-Dichloroethene	7.17	96	128308	25.173	ug/L 100
22) 2-Butanone	7.17	43	77723	58.803	ug/L 99

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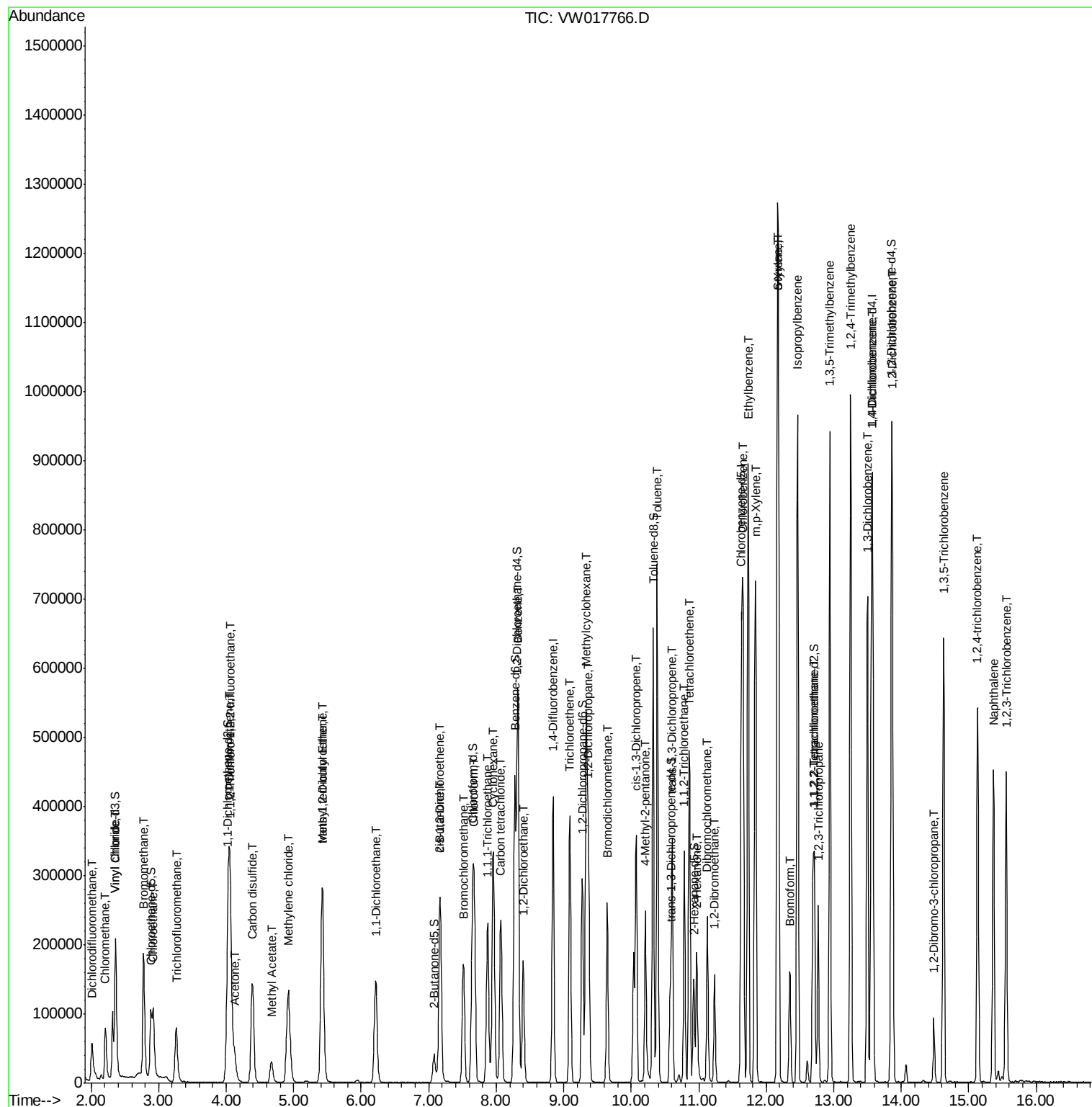
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	60297	26.209	ug/L	93
25) Chloroform	7.68	83	221486	25.171	ug/L	98
27) 1,2-Dichloroethane	8.40	62	163720	26.719	ug/L	98
29) Cyclohexane	7.96	56	188400	23.645	ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	182023	23.613	ug/L	99
31) Carbon tetrachloride	8.07	117	172810	23.523	ug/L	99
33) Benzene	8.32	78	476444	24.268	ug/L	100
34) Trichloroethene	9.09	95	128479	24.155	ug/L	97
35) Methylcyclohexane	9.34	83	221553	24.325	ug/L	99
37) 1,2-Dichloropropane	9.37	63	116246	24.429	ug/L	99
38) Bromodichloromethane	9.65	83	167903	25.001	ug/L	100
39) cis-1,3-Dichloropropene	10.07	75	198350	25.363	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	169499	58.820	ug/L	99
42) Toluene	10.38	91	545361	24.656	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	182303	25.948	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	100211	26.264	ug/L	99
46) Tetrachloroethene	10.86	164	99635	24.236	ug/L	96
48) 2-Hexanone	10.97	43	124309	63.039	ug/L	96
49) Dibromochloromethane	11.13	129	118426	26.037	ug/L	98
50) 1,2-Dibromoethane	11.23	107	100575	27.092	ug/L	92
51) Chlorobenzene	11.66	112	351461	25.113	ug/L	98
52) Ethylbenzene	11.73	91	620110	24.802	ug/L	98
53) m,p-Xylene	11.84	106	240013	24.862	ug/L	95
54) o-Xylene	12.16	106	228821	24.848	ug/L	100
55) Styrene	12.18	104	395306	25.075	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	132037	28.817	ug/L	95
59) Bromoform	12.35	173	67779	27.050	ug/L #	99
60) Isopropylbenzene	12.46	105	619325	24.547	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	98852	28.328	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	511582	24.769	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	528112	25.405	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	274255	25.072	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	278972	25.542	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	257197	25.737	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	22516	28.258	ug/L	91
69) 1,3,5-Trichlorobenzene	14.63	180	188109	25.402	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	158806	24.786	ug/L	96
71) Naphthalene	15.36	128	381895	27.729	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	142177	25.038	ug/L	100

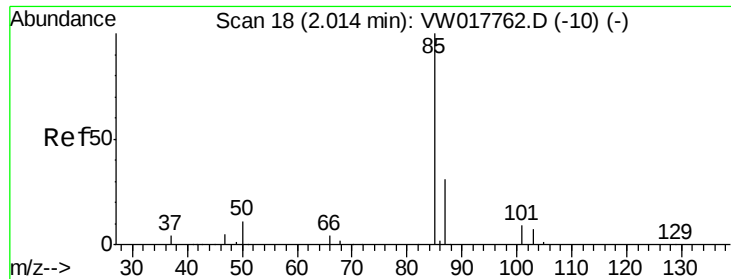
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.159 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

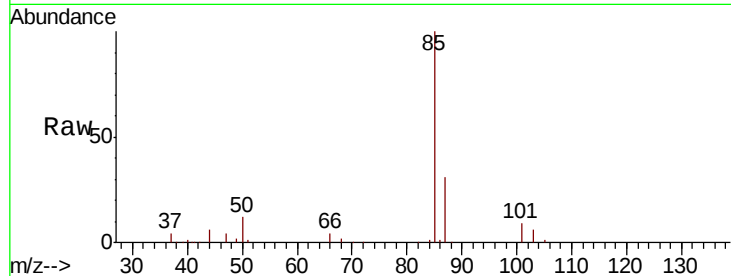
VSTD025103

Tot Ion: 85 Resp: 91151

Ion Ratio Lower Upper

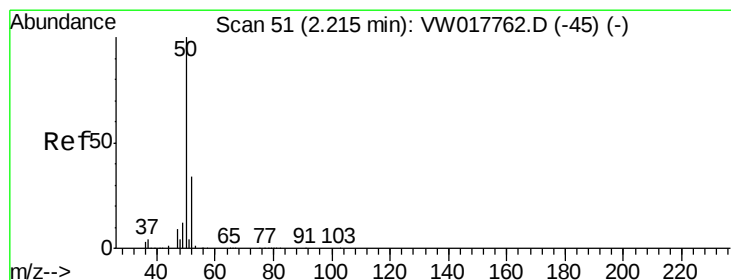
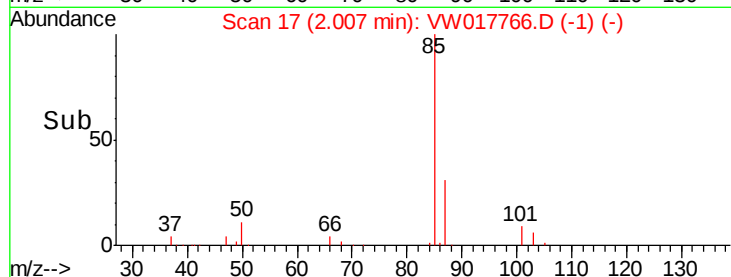
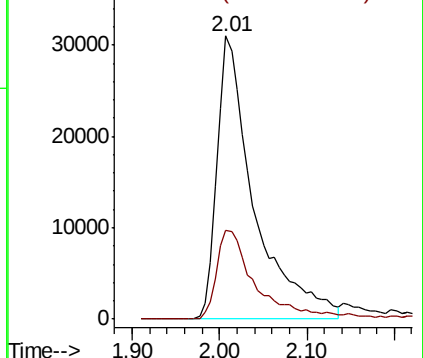
85 100

87 29.1 23.8 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.855 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017766.D

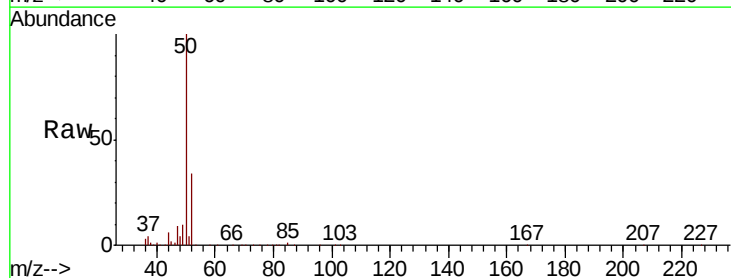
Acq: 28 Dec 2020 17:41

Tgt Ion: 50 Resp: 81511

Ion Ratio Lower Upper

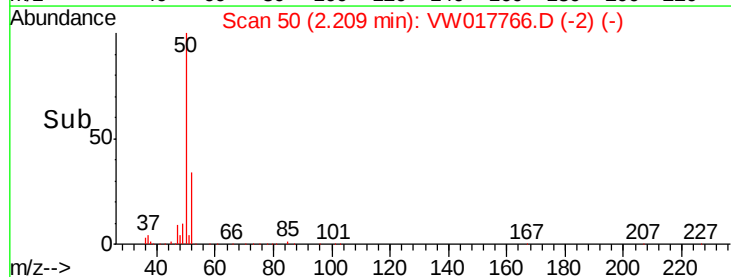
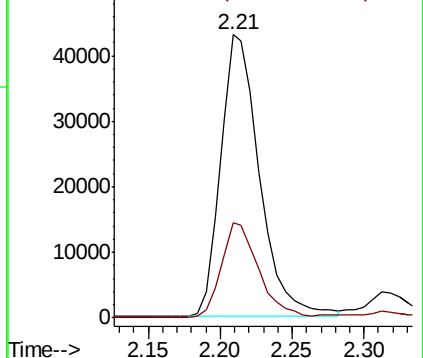
50 100

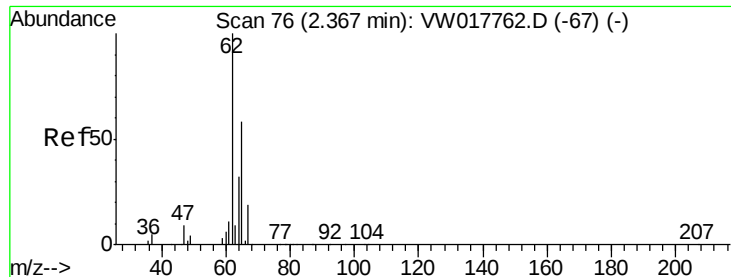
52 33.8 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.356 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017766.D

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Instrument :

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ClientSampleId :

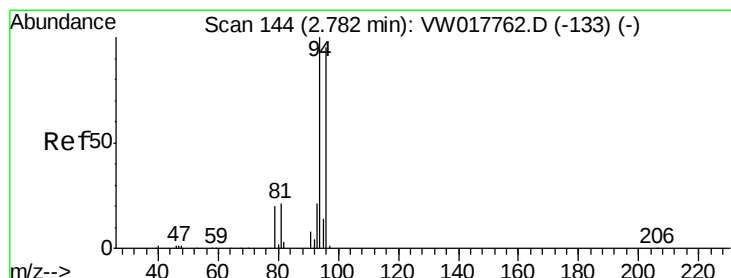
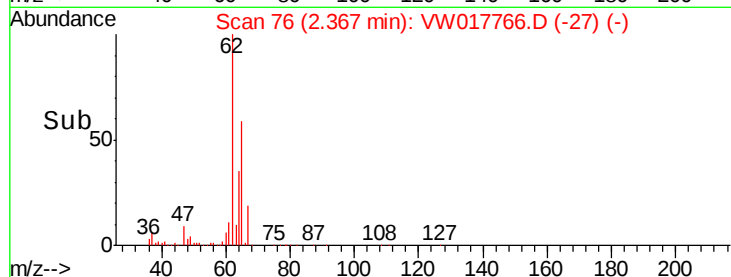
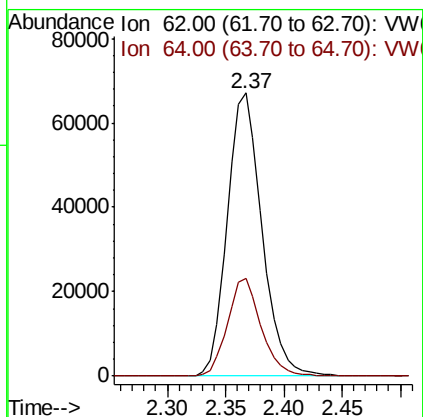
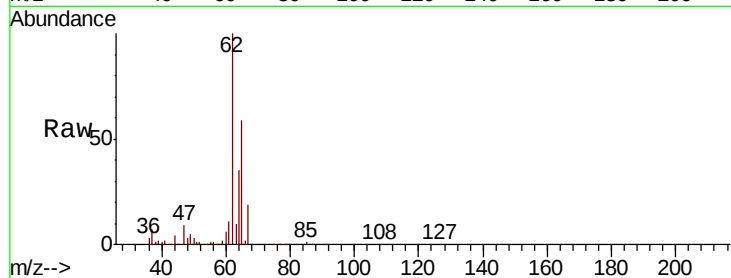
VSTD025103

Tot Ion: 62 Resp: 138895

Ion Ratio Lower Upper

62 100

64 34.6 23.0 42.6



#6

Bromomethane

Concen: 26.224 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017766.D

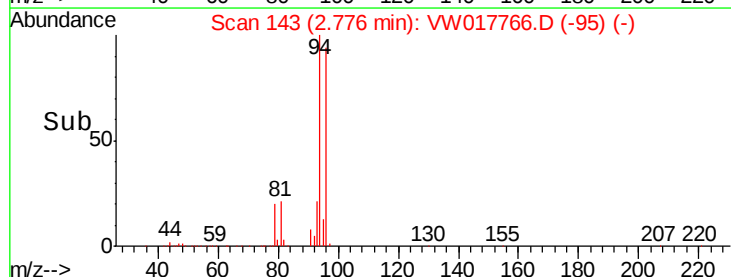
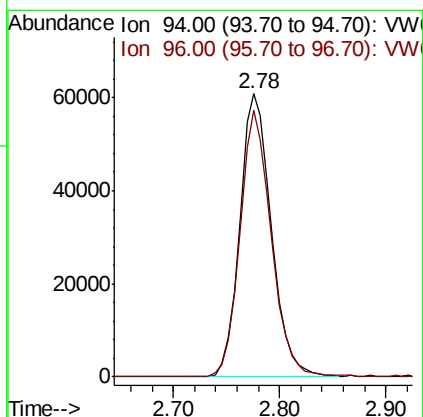
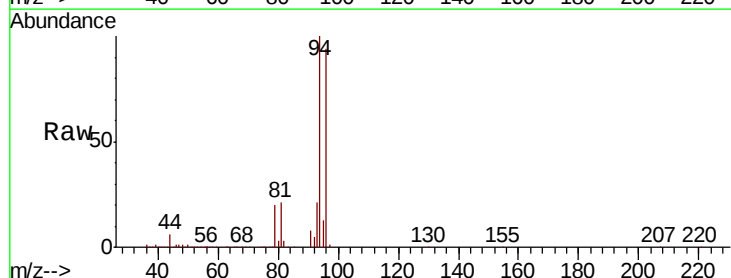
Acq: 28 Dec 2020 17:41

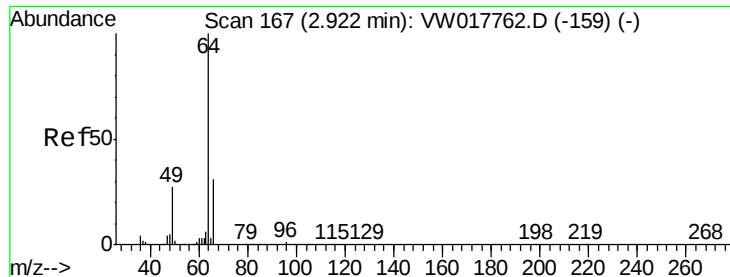
Tgt Ion: 94 Resp: 126296

Ion Ratio Lower Upper

94 100

96 94.3 65.0 120.6





#8

Chloroethane

Concen: 25.189 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

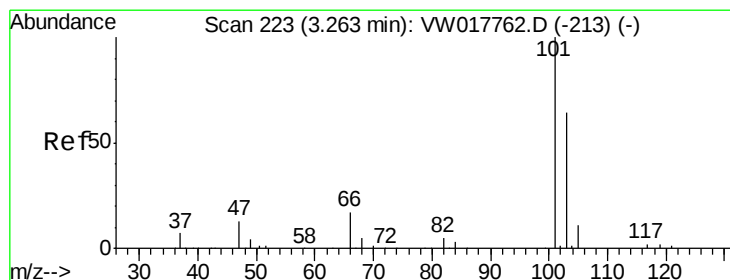
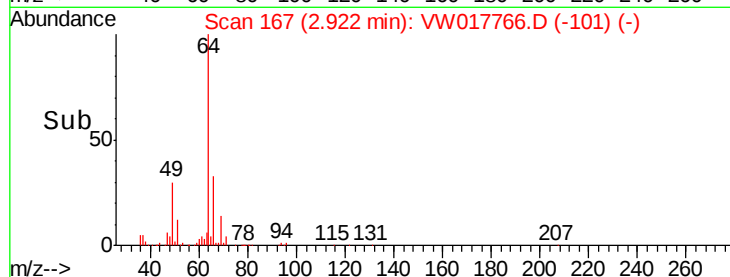
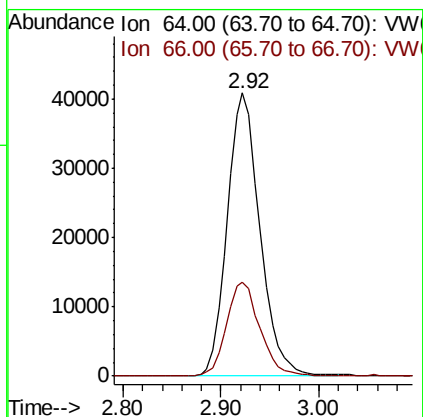
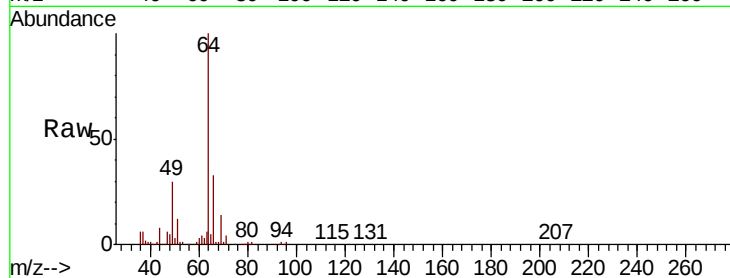
VSTD025103

Tot Ion: 64 Resp: 94735

Ion Ratio Lower Upper

64 100

66 33.0 21.7 40.3



#9

Trichlorofluoromethane

Concen: 22.452 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017766.D

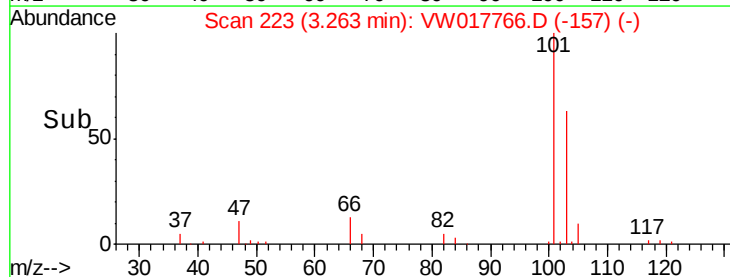
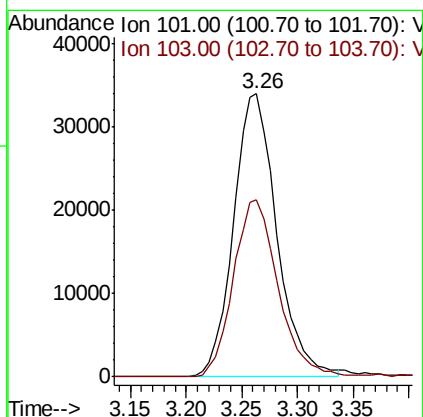
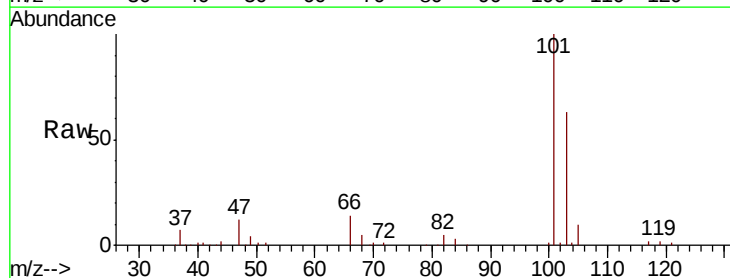
Acq: 28 Dec 2020 17:41

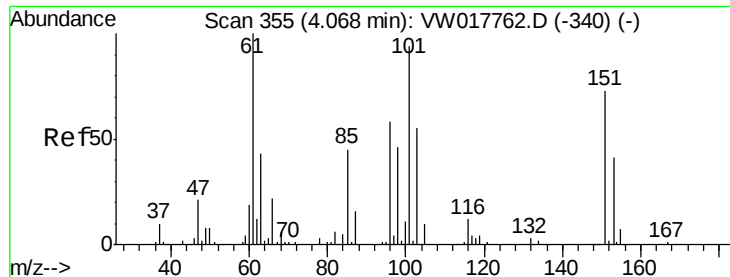
Tgt Ion: 101 Resp: 91650

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.8





#10

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

Concen: 24.642 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

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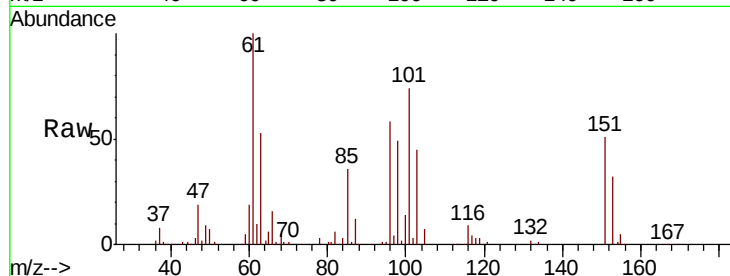
Tot Ion:101 Resp: 109515

Ion Ratio Lower Upper

101 100

85 46.5 37.9 56.9

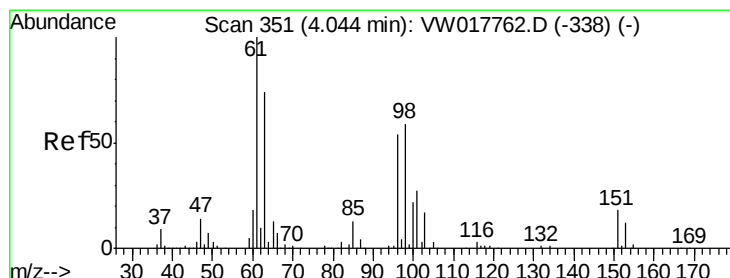
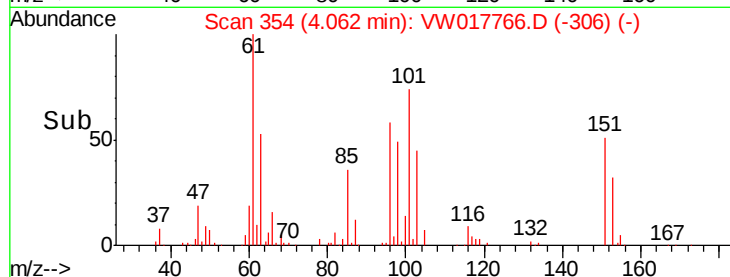
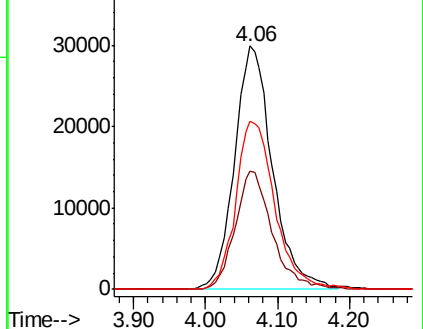
151 70.6 58.2 87.2



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: 25.195 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

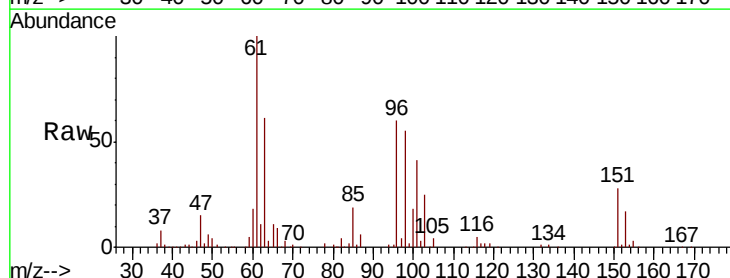
Tgt Ion: 96 Resp: 106783

Ion Ratio Lower Upper

96 100

61 166.4 123.7 229.7

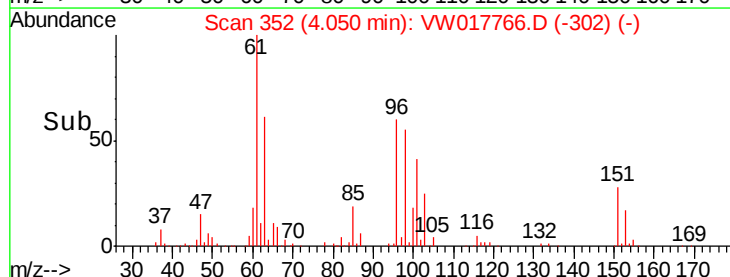
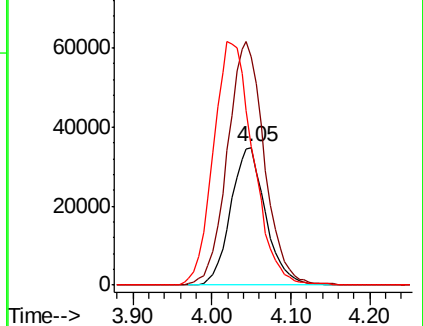
63 100.9 96.6 179.4

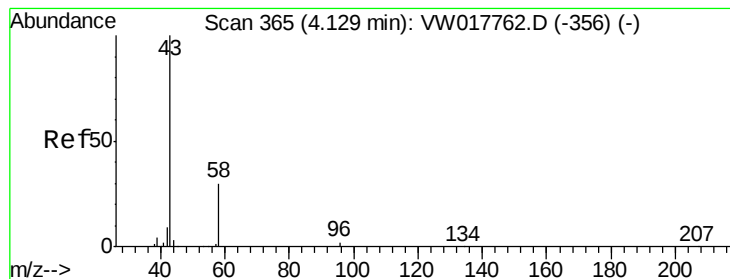


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.112 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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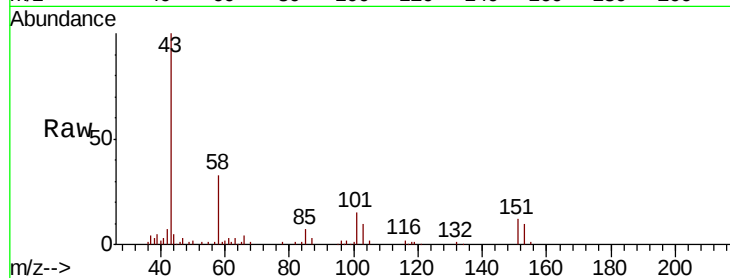
VSTD025103

Tot Ion: 43 Resp: 45187

Ion Ratio Lower Upper

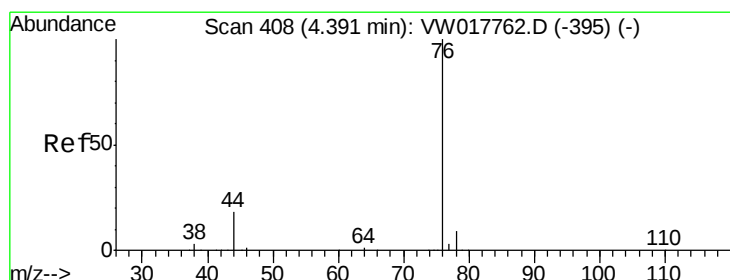
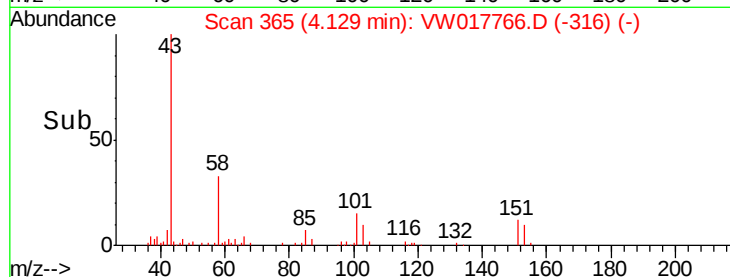
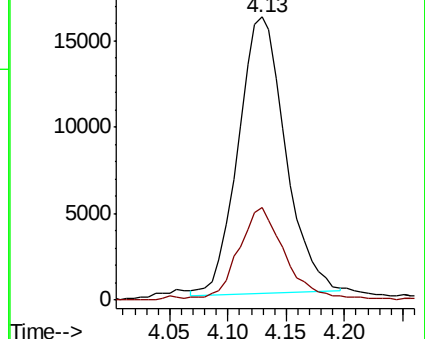
43 100

58 32.5 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.419 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017766.D

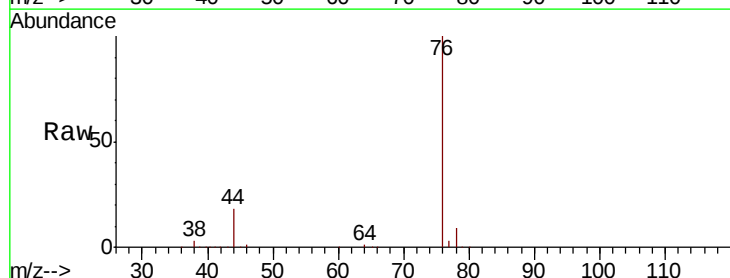
Acq: 28 Dec 2020 17:41

Tgt Ion: 76 Resp: 320548

Ion Ratio Lower Upper

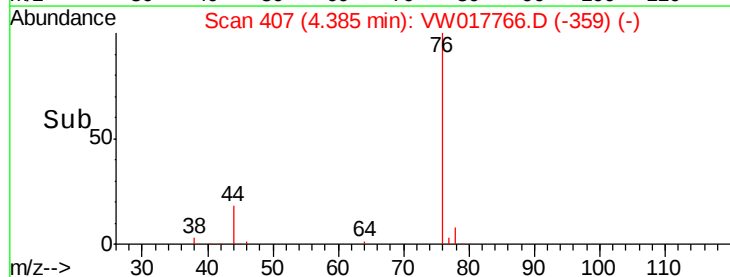
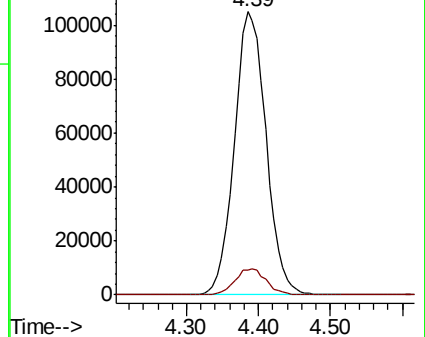
76 100

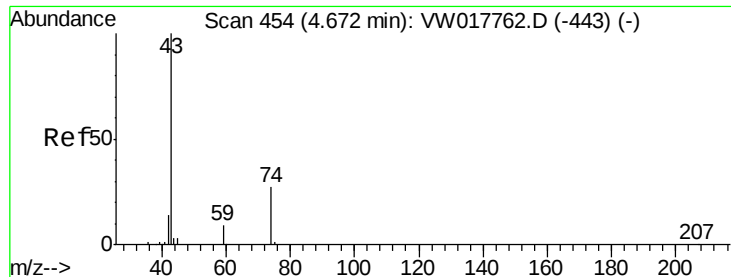
78 8.7 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

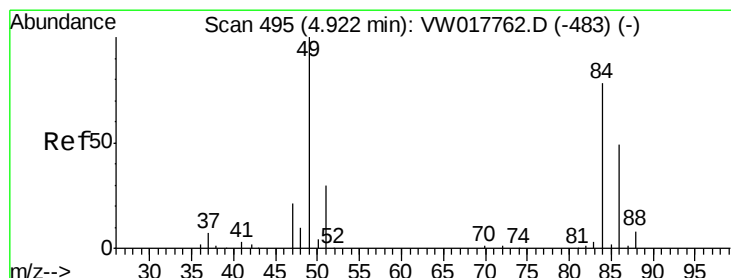
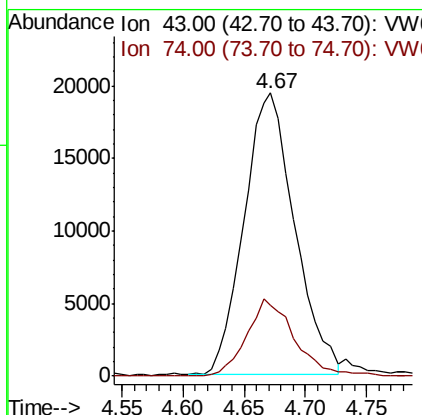
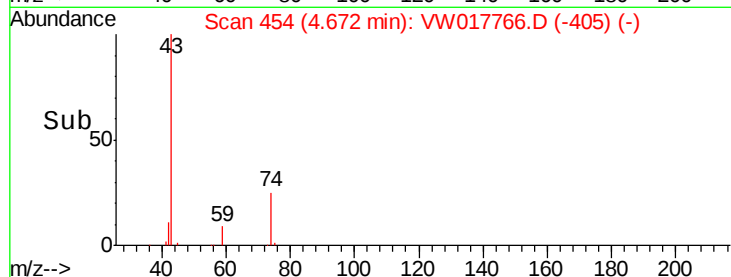
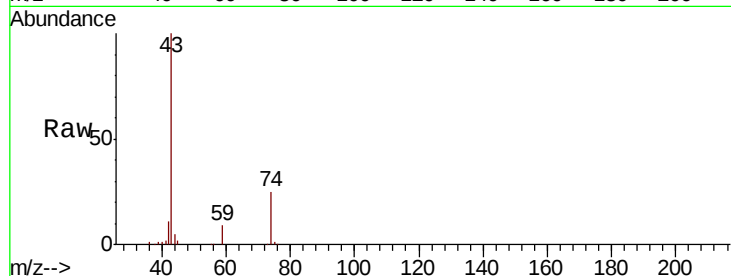




#15
Methvl Acetate
Concen: 28.276 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

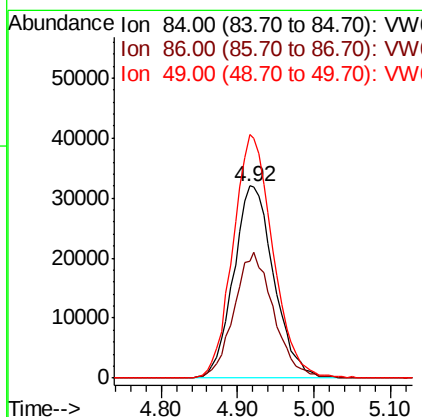
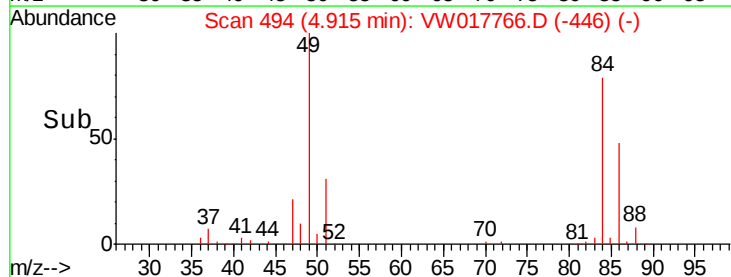
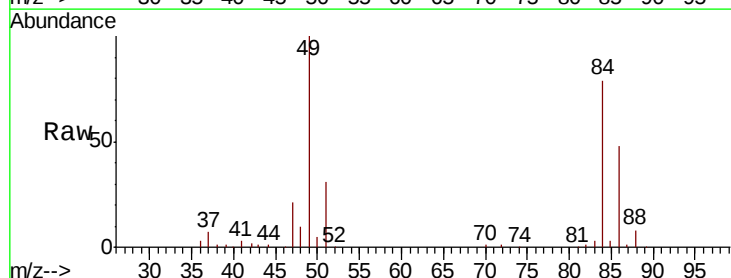
Instrument :
MSVOA_W
ClientSampleId :
VSTD025103

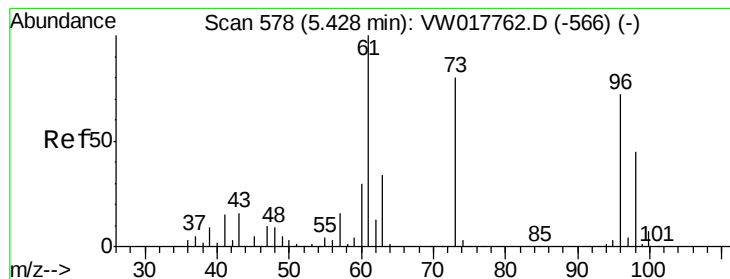
Tot Ion: 43 Resp: 56036
Ion Ratio Lower Upper
43 100
74 25.6 19.3 28.9



#16
Methylene chloride
Concen: 21.892 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Tgt Ion: 84 Resp: 117062
Ion Ratio Lower Upper
84 100
86 60.6 44.0 81.8
49 126.9 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 24.621 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD025103

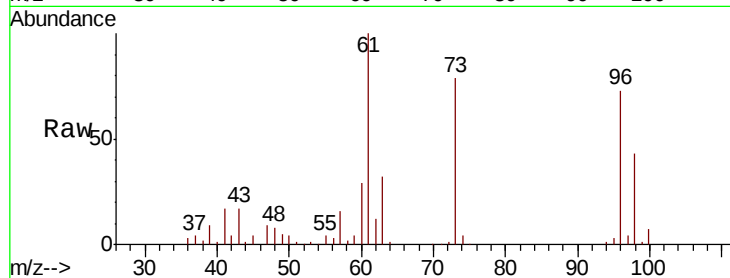
Tot Ion: 96 Resp: 117163

Ion Ratio Lower Upper

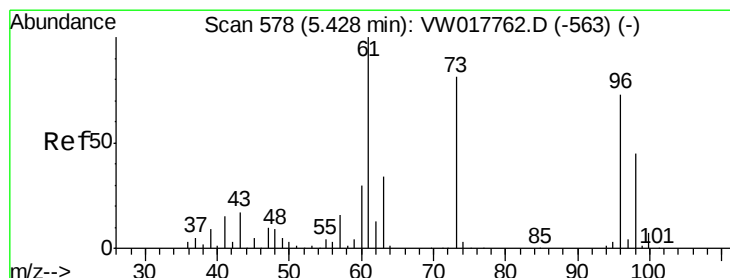
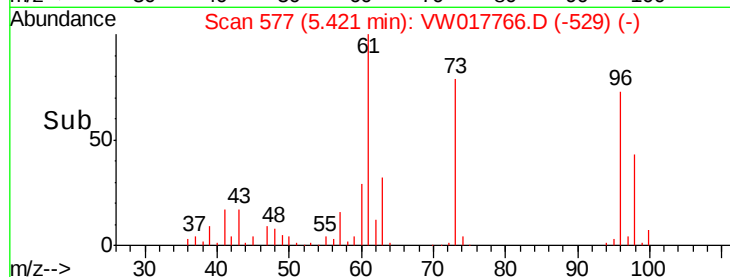
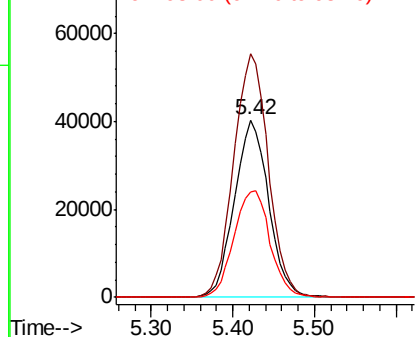
96 100

61 137.1 96.0 178.4

98 59.6 44.9 83.3



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: 26.039 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

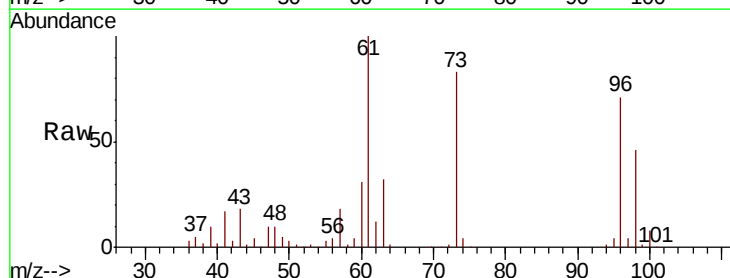
Tgt Ion: 73 Resp: 161384

Ion Ratio Lower Upper

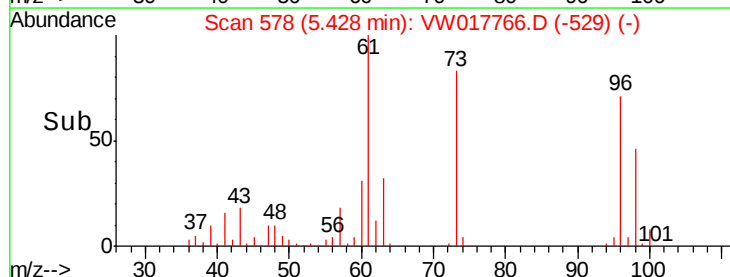
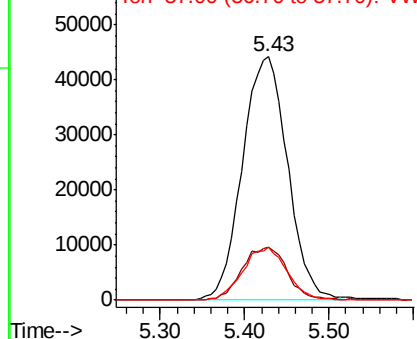
73 100

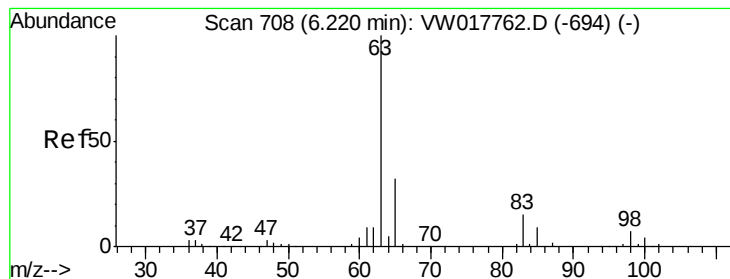
43 21.3 17.4 26.0

57 21.2 16.9 25.3



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: 24.633 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD025103

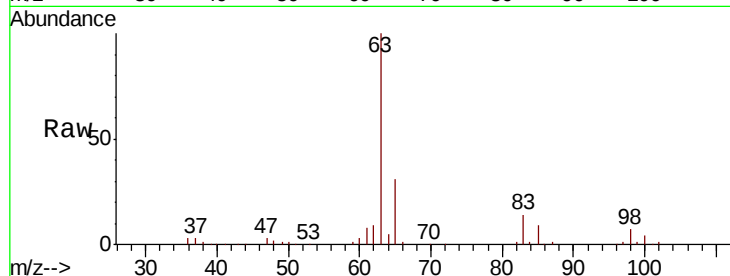
Tot Ion: 63 Resp: 204937

Ion Ratio Lower Upper

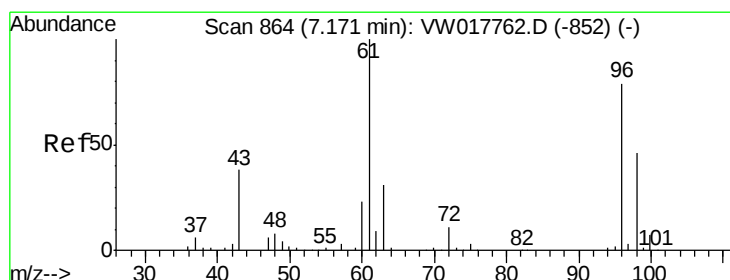
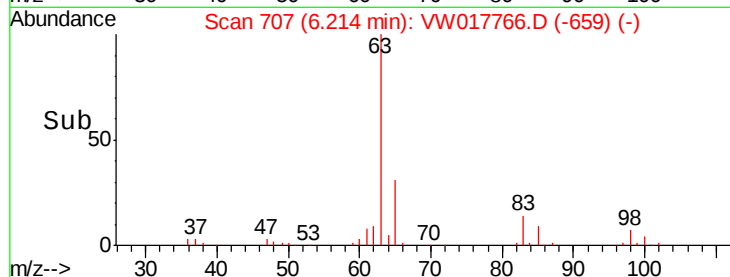
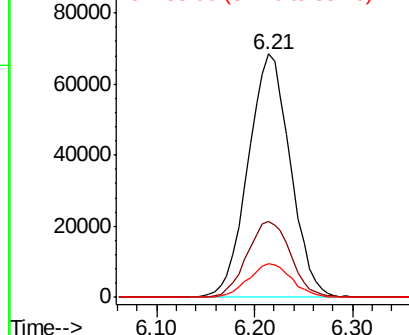
63 100

65 31.1 21.3 39.5

83 13.8 8.8 16.4



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: 25.173 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

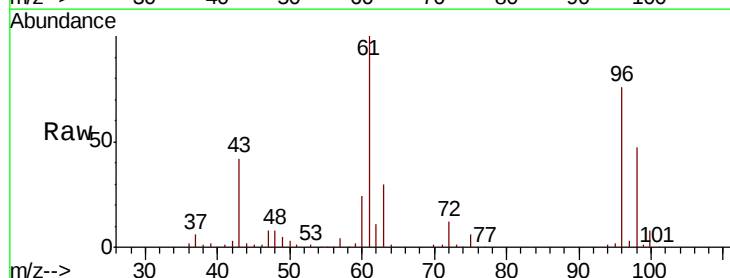
Tgt Ion: 96 Resp: 128308

Ion Ratio Lower Upper

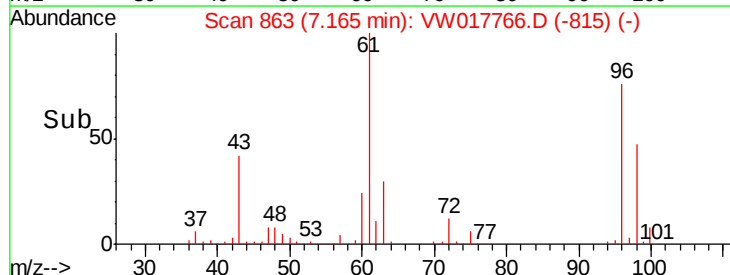
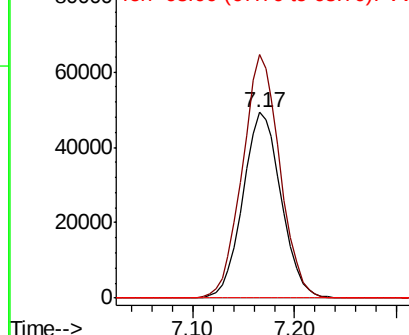
96 100

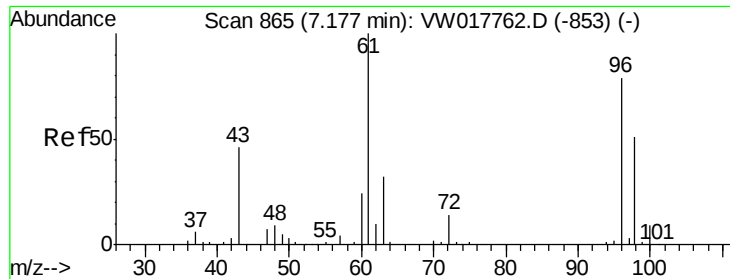
61 131.2 91.6 170.2

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: 58.803 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

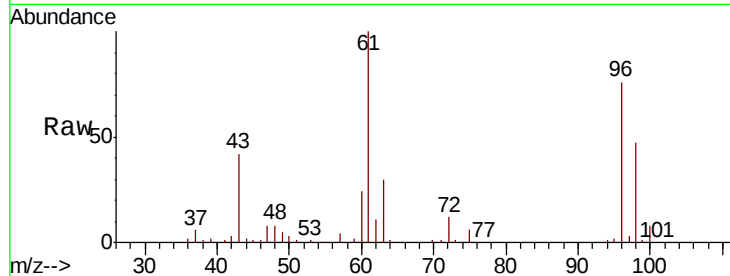
VSTD025103

Tot Ion: 43 Resp: 77723

Ion Ratio Lower Upper

43 100

72 29.0 14.6 44.0

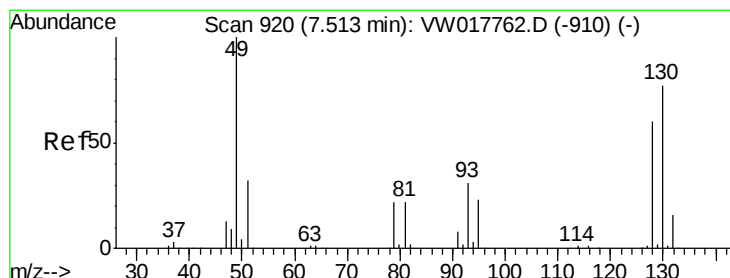
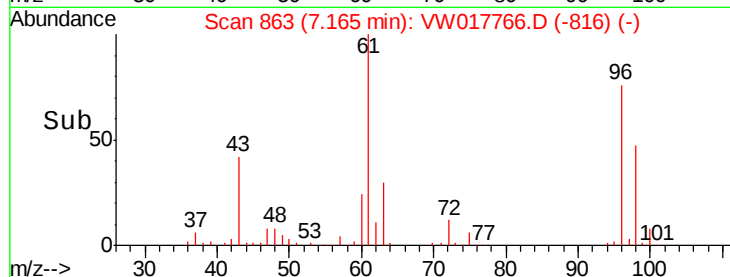


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

Time-->



#23

Bromochloromethane

Concen: 26.209 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Tgt Ion: 128 Resp: 60297

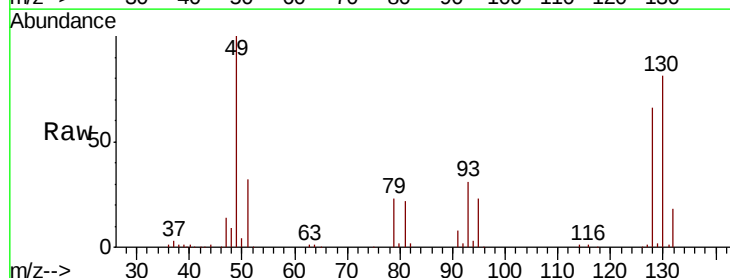
Ion Ratio Lower Upper

128 100

49 150.9 111.2 206.6

130 121.5 91.9 170.7

51 47.6 40.6 60.8



Abundance Ion 128.00 (127.70 to 128.70): V

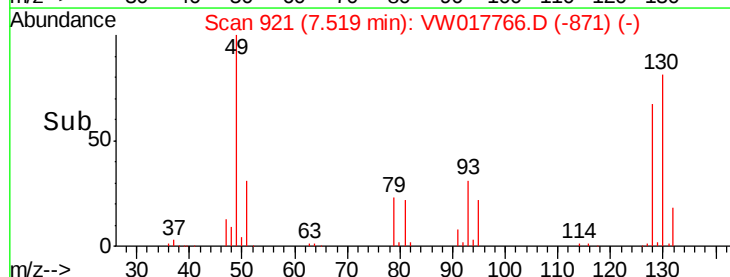
Ion 49.00 (48.70 to 49.70): VW

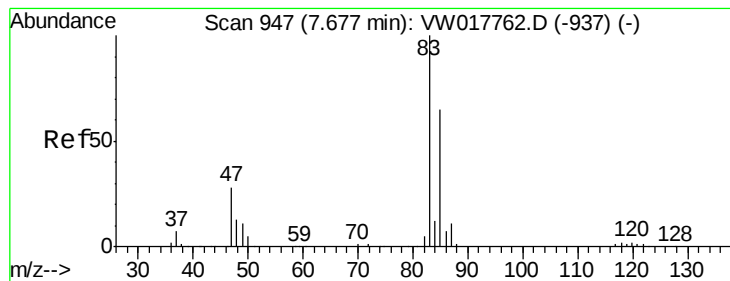
Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

7.52

Time-->





#25

Chloroform

Concen: 25.171 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

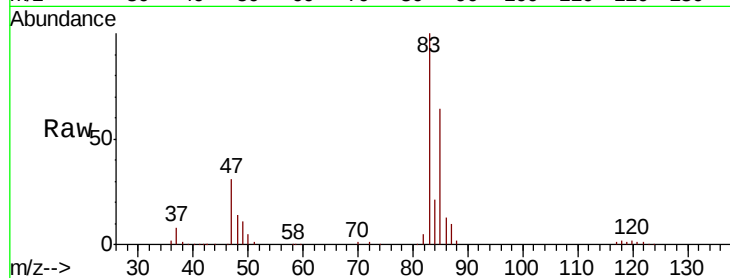
VSTD025103

Tot Ion: 83 Resp: 221486

Ion Ratio Lower Upper

83 100

85 63.5 43.6 81.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

100000

80000

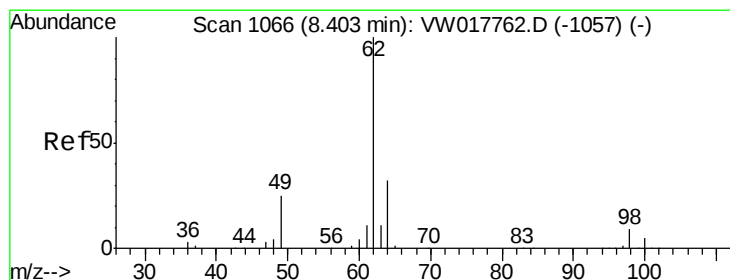
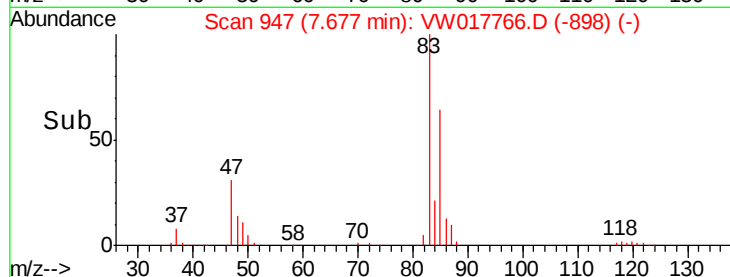
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 26.719 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017766.D

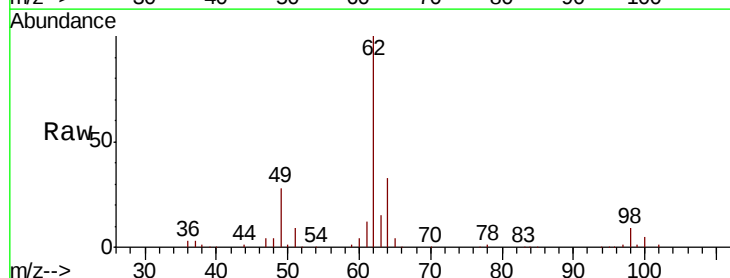
Acq: 28 Dec 2020 17:41

Tgt Ion: 62 Resp: 163720

Ion Ratio Lower Upper

62 100

98 9.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

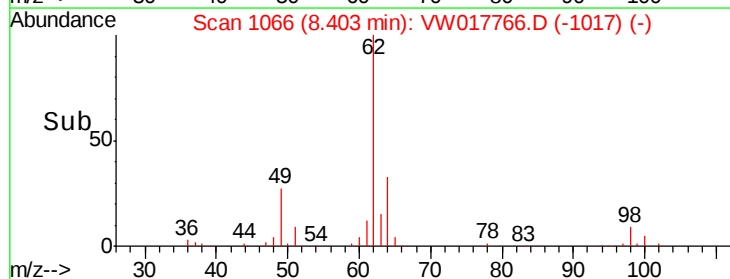
60000

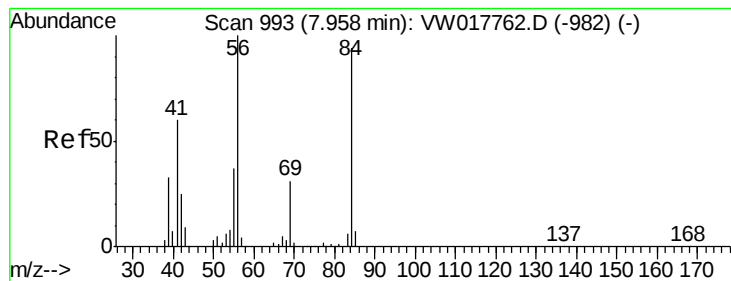
40000

20000

0

Time-->





#29

Cyclohexane

Concen: 23.645 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD025103

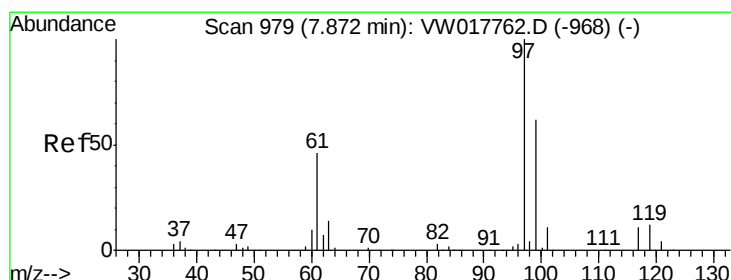
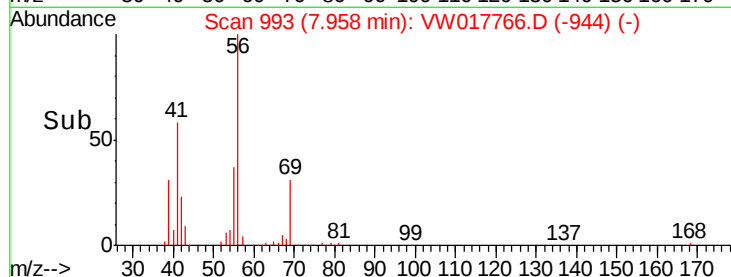
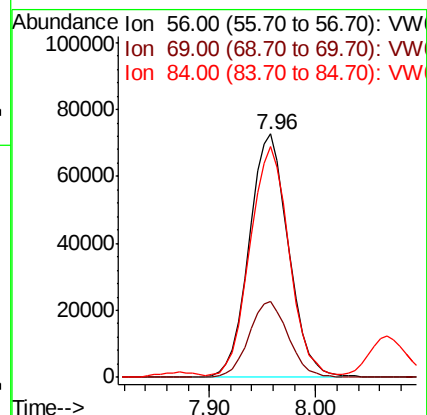
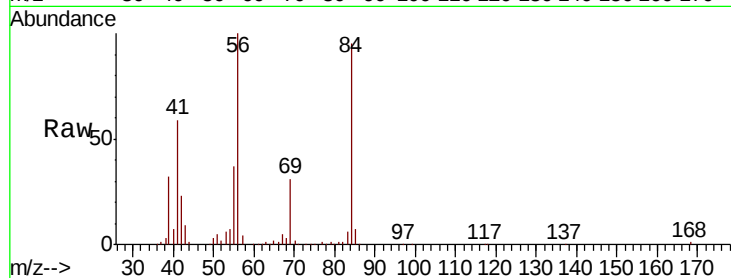
Tot Ion: 56 Resp: 188400

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.2

84 94.8 74.3 111.5



#30

1,1,1-Trichloroethane

Concen: 23.613 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

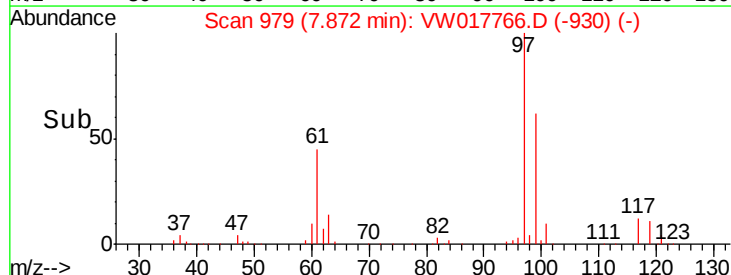
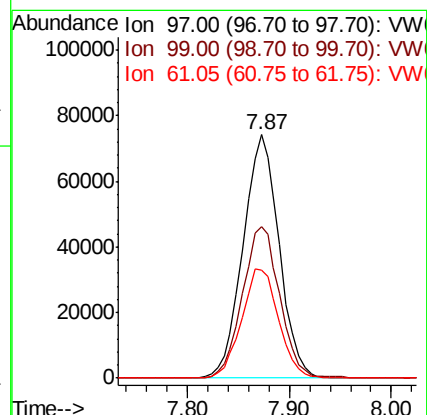
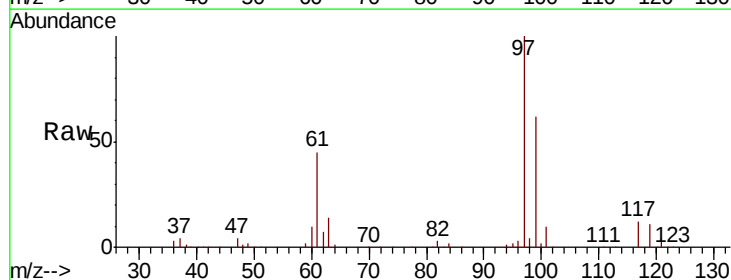
Tgt Ion: 97 Resp: 182023

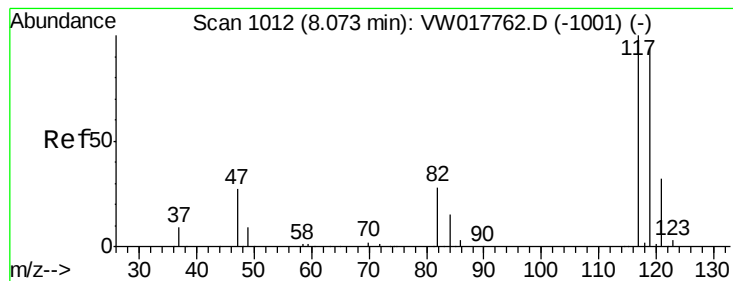
Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

61 46.1 36.6 54.8





#31

Carbon tetrachloride

Concen: 23.523 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

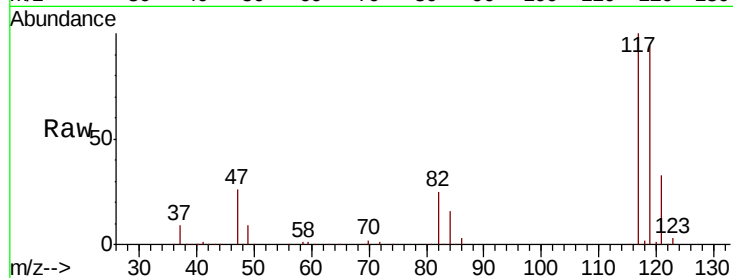
VSTD025103

Tot Ion:117 Resp: 172810

Ion Ratio Lower Upper

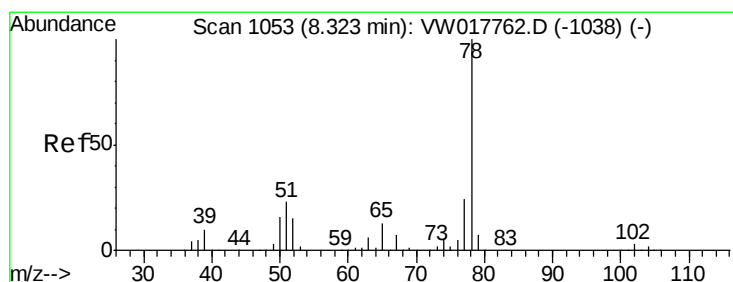
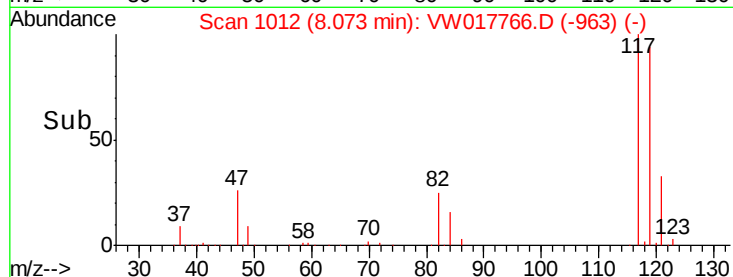
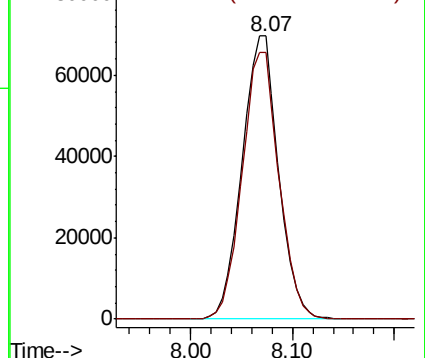
117 100

119 95.3 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 24.268 ug/L

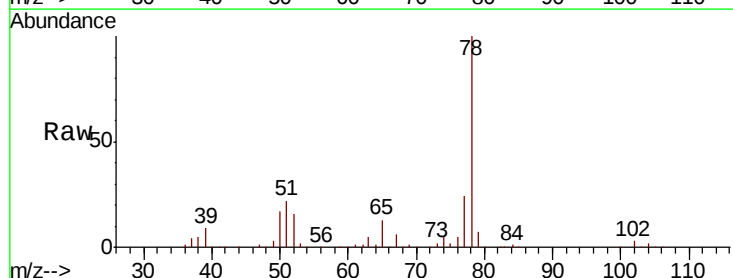
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

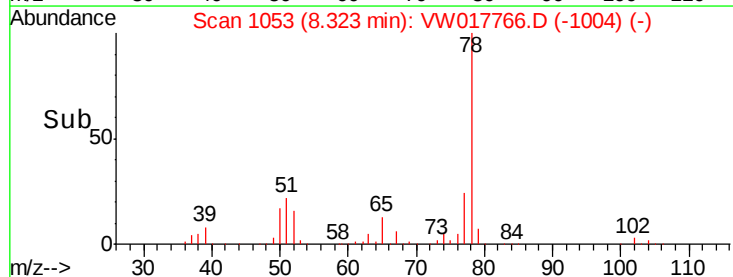
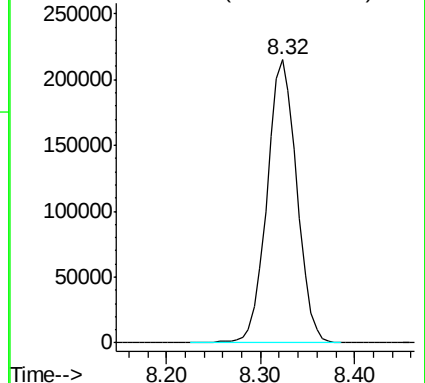
Lab File: VW017766.D

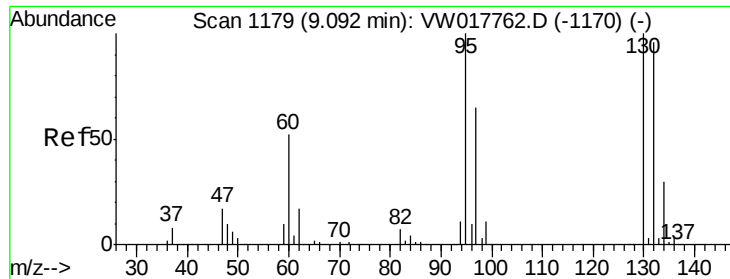
Acq: 28 Dec 2020 17:41

Tgt Ion: 78 Resp: 476444



Abundance Ion 78.00 (77.70 to 78.70): VW





#34

Trichloroethene

Concen: 24.155 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD025103

Tot Ion: 95 Resp: 128479

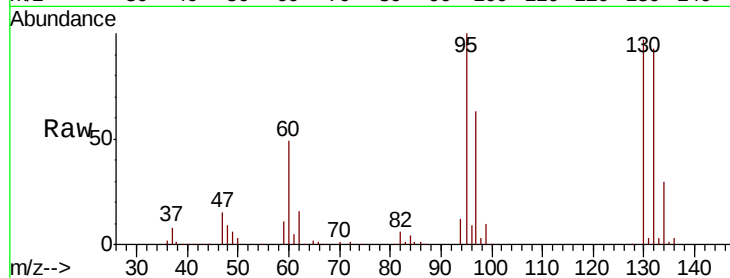
Ion Ratio Lower Upper

95 100

97 62.8 45.6 84.6

132 92.9 69.4 128.8

130 96.9 68.2 126.6

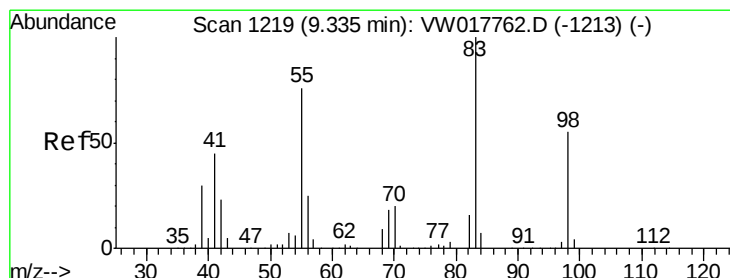
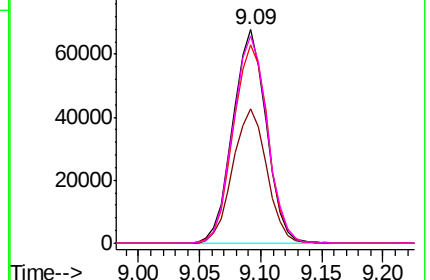
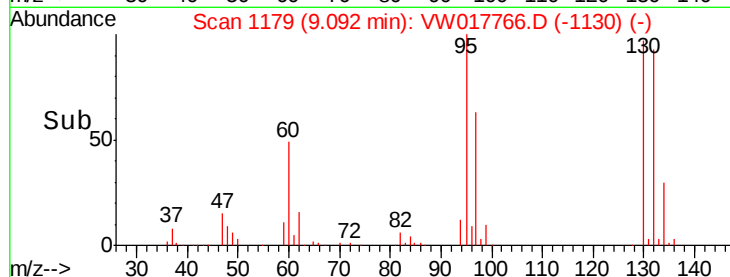


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35

Methylcyclohexane

Concen: 24.325 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

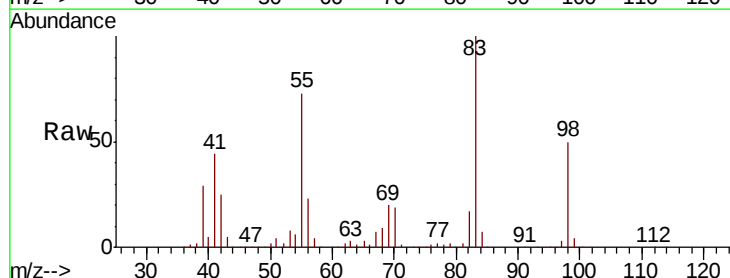
Tgt Ion: 83 Resp: 221553

Ion Ratio Lower Upper

83 100

55 72.9 58.6 88.0

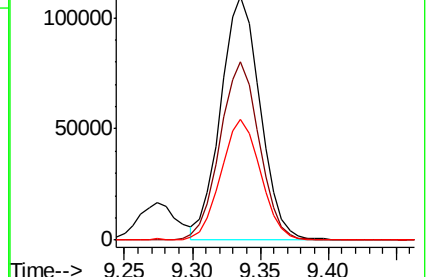
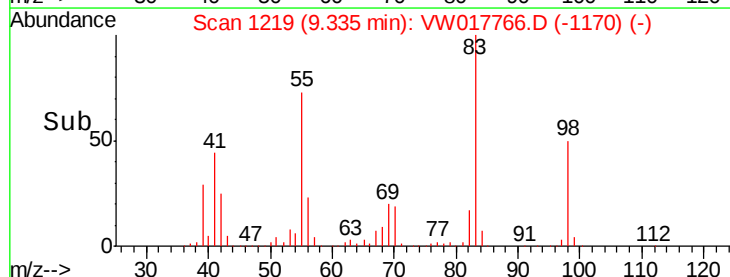
98 49.8 40.5 60.7

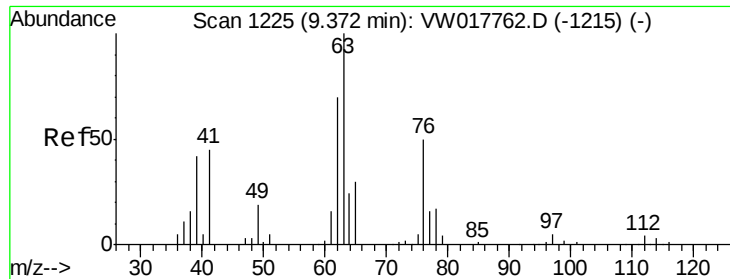


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

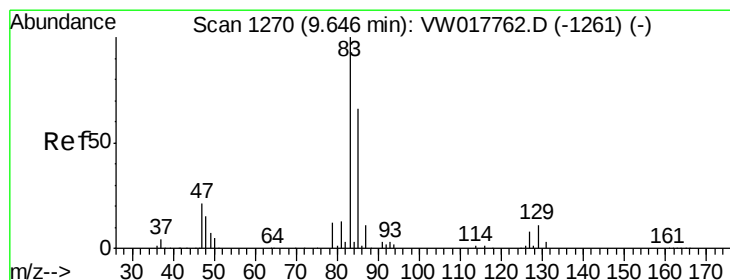
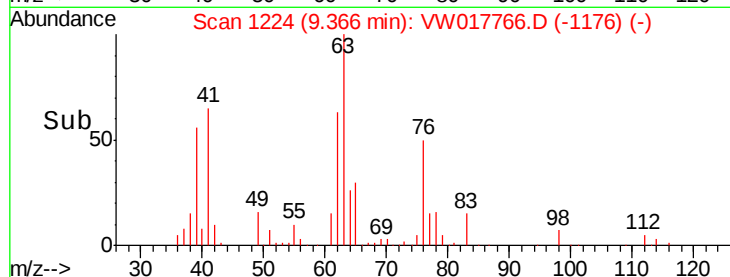
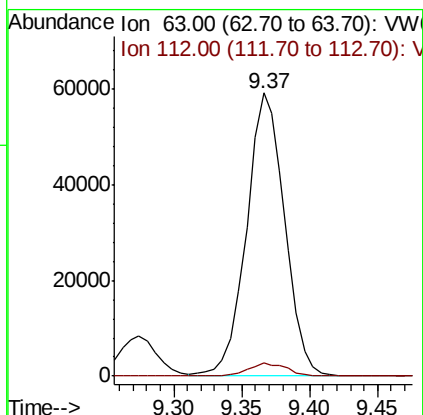
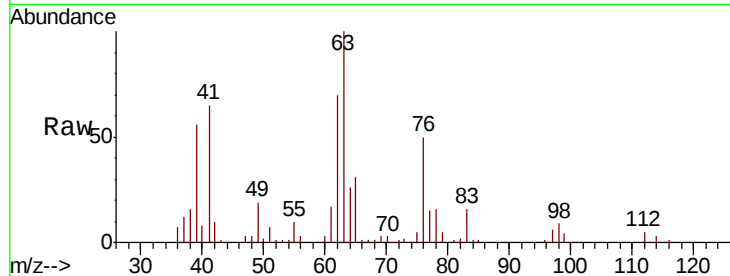




#37
 1,2-Dichloropropane
 Concen: 24.429 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

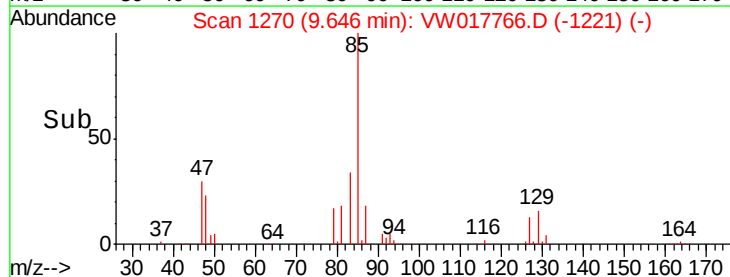
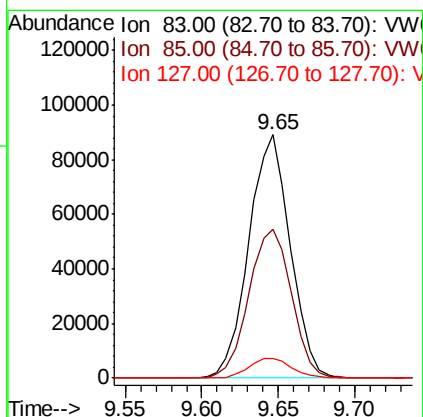
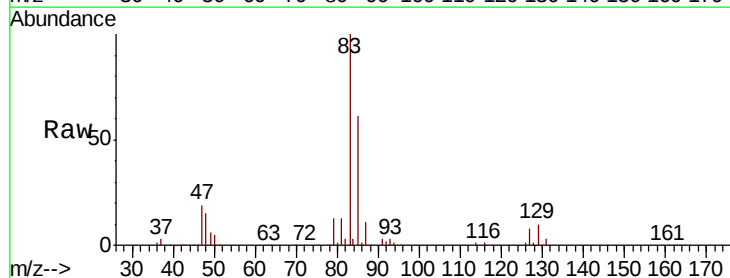
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

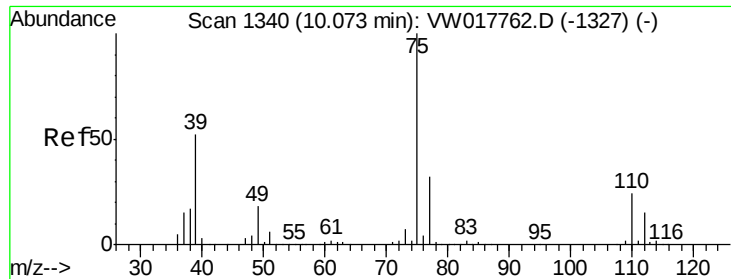
Tot Ion: 63 Resp: 116246
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 25.001 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Tgt Ion: 83 Resp: 167903
 Ion Ratio Lower Upper
 83 100
 85 61.3 43.0 80.0
 127 8.2 6.1 9.1

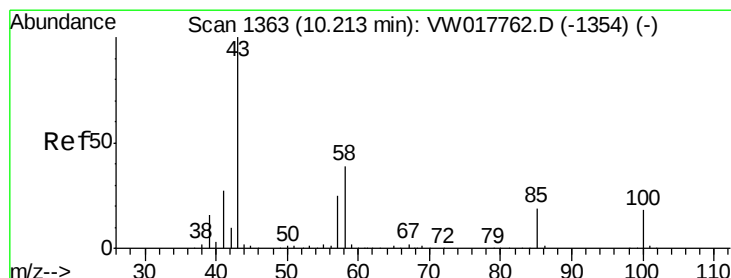
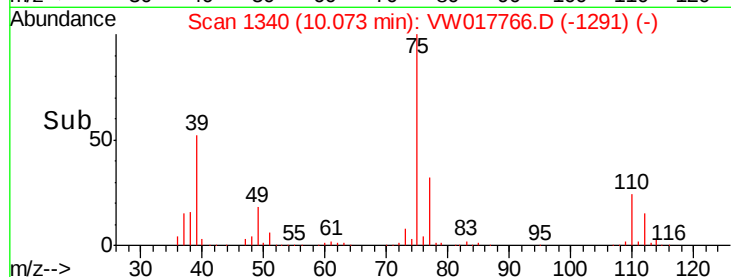
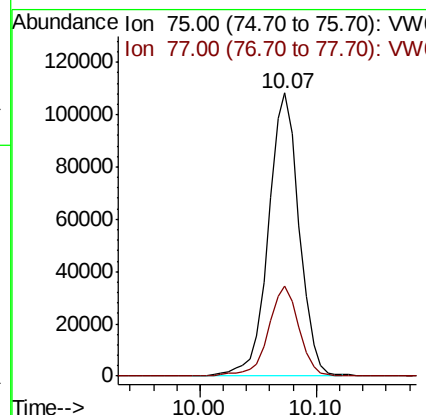
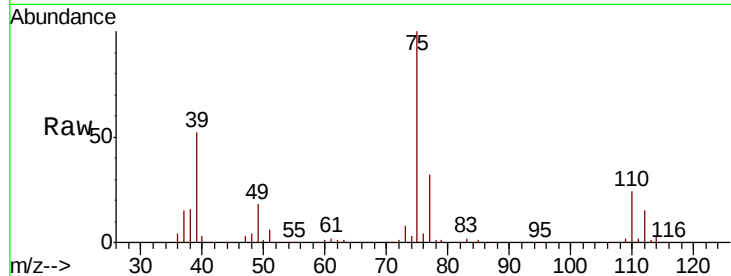




#39
 cis-1,3-Dichloropropene
 Concen: 25.363 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

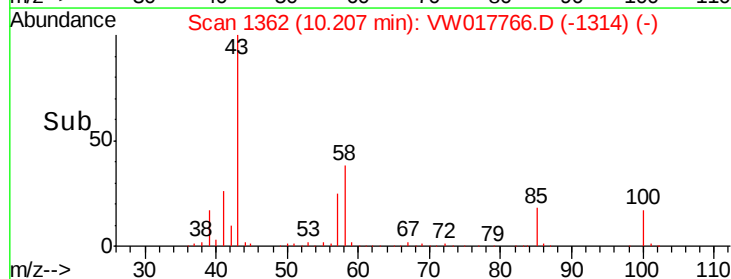
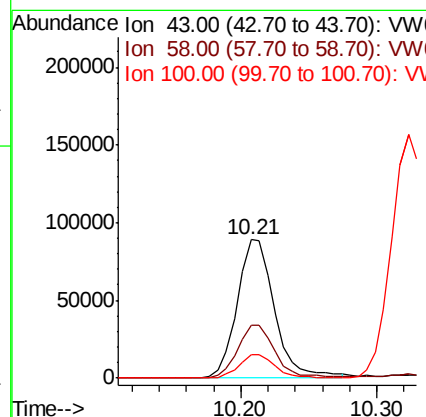
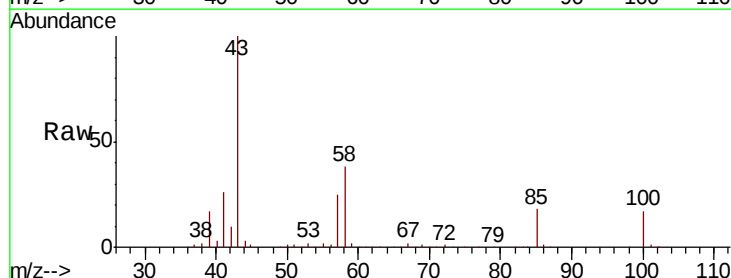
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

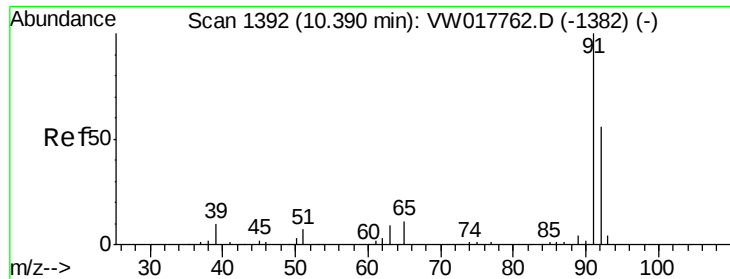
Tot Ion: 75 Resp: 198350
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 58.820 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Tgt Ion: 43 Resp: 169499
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.3 45.5
 100 16.6 12.8 19.2





#42

Toluene

Concen: 24.656 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

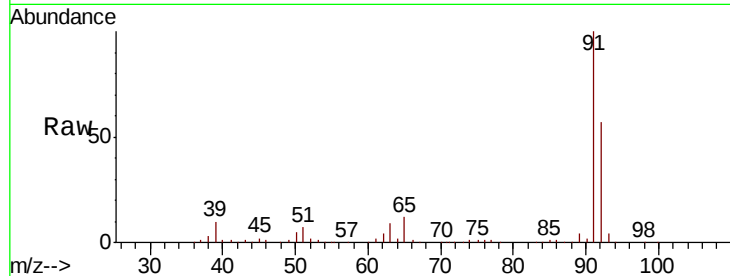
VSTD025103

Tot Ion: 91 Resp: 545361

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

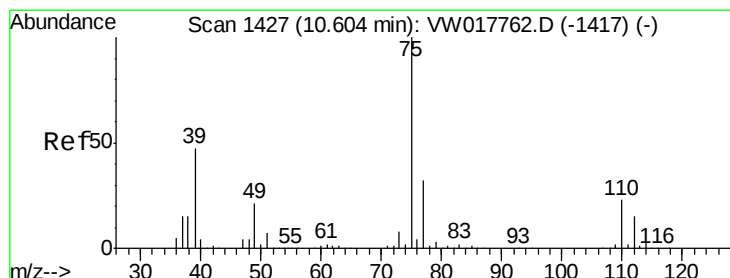
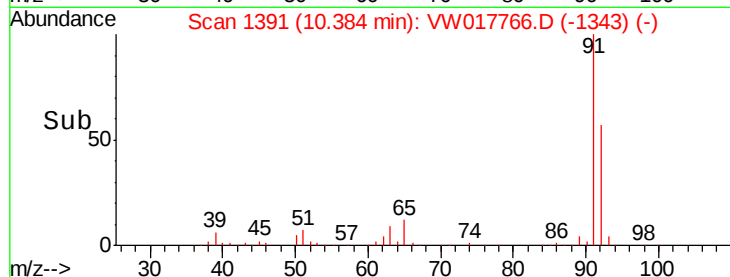
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 25.948 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017766.D

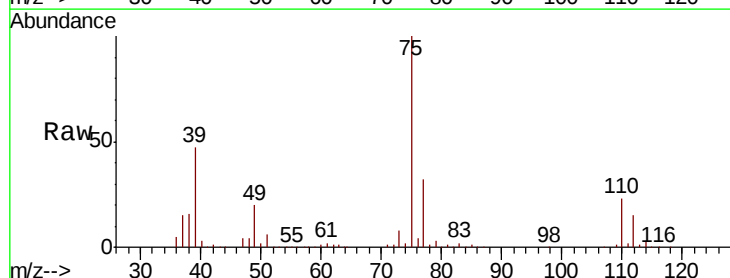
Acq: 28 Dec 2020 17:41

Tgt Ion: 75 Resp: 182303

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

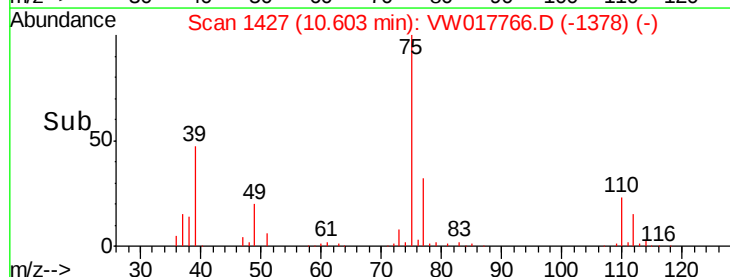
60000

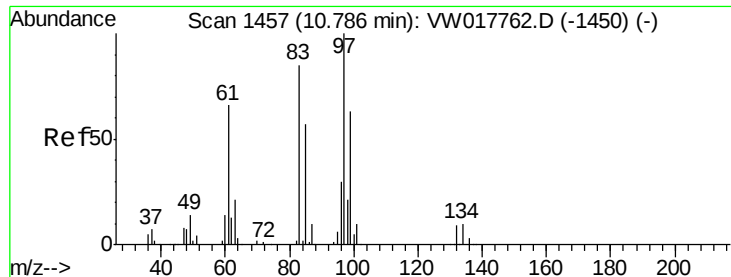
40000

20000

0

Time-->

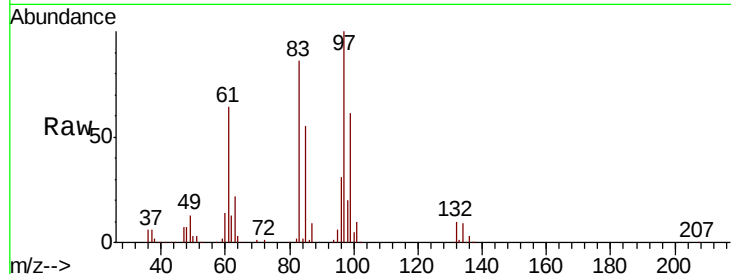




#45
1,1,2-Trichloroethane
Concen: 26.264 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD025103

Tot Ion:	97	Resp:	100211
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.0	81.8
83	85.7	59.1	109.9
85	55.3	38.9	72.3



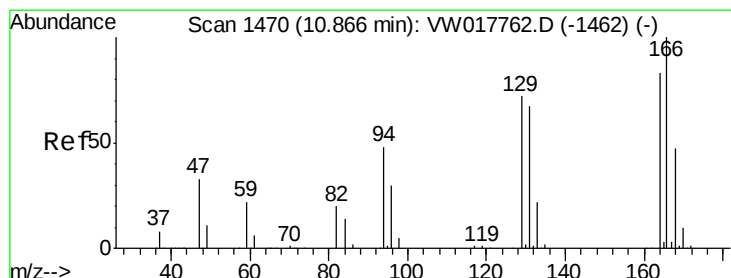
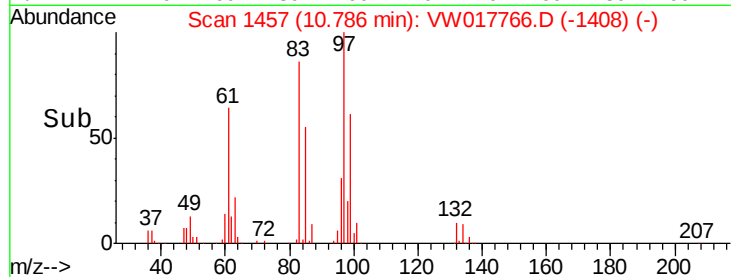
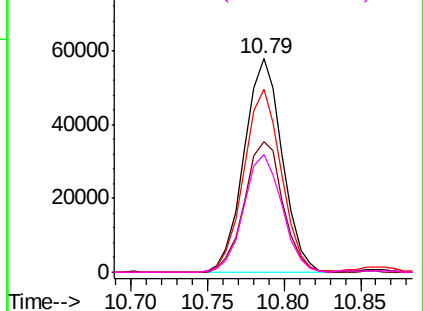
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

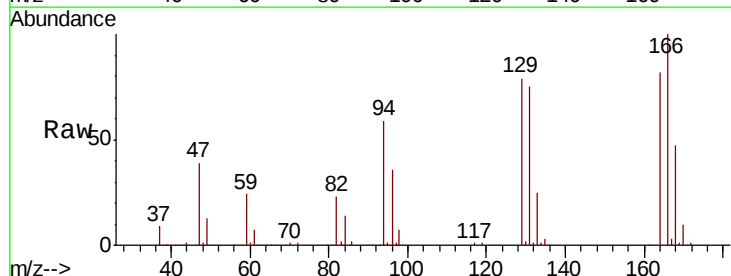
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46
Tetrachloroethene
Concen: 24.236 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Tgt Ion:	164	Resp:	99635
Ion	Ratio	Lower	Upper
164	100		
129	96.0	63.3	117.7
131	91.2	63.8	118.6
166	122.3	80.3	149.1



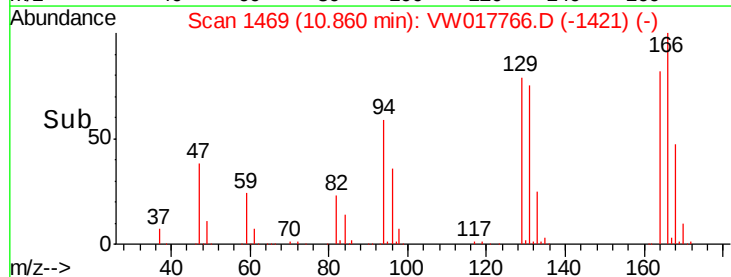
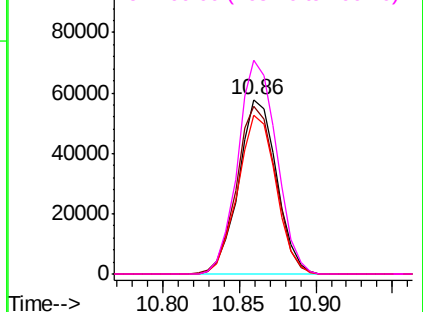
Abundance

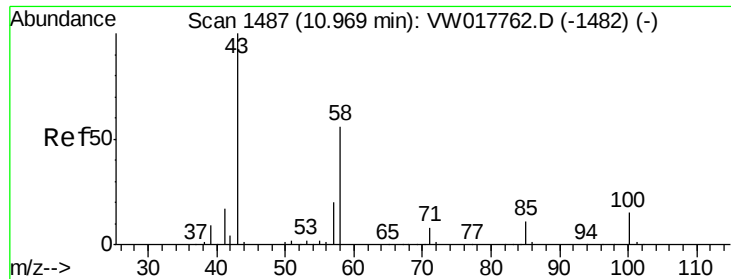
Ion 164.00 (163.70 to 164.70): V

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

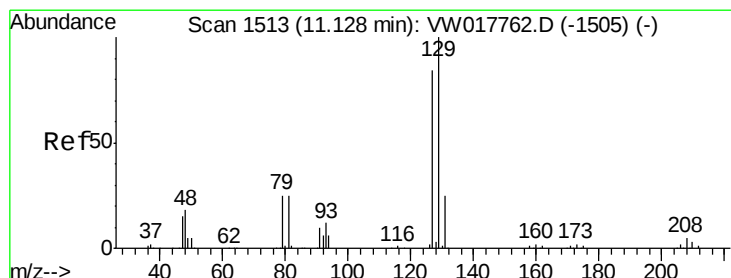
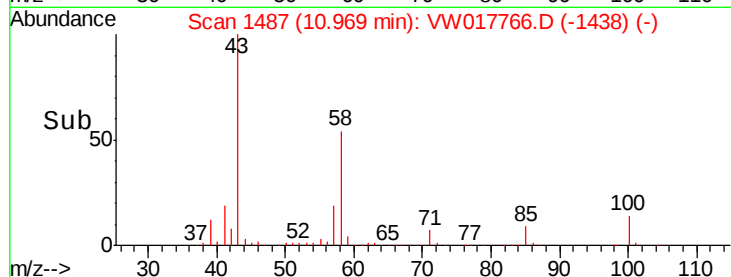
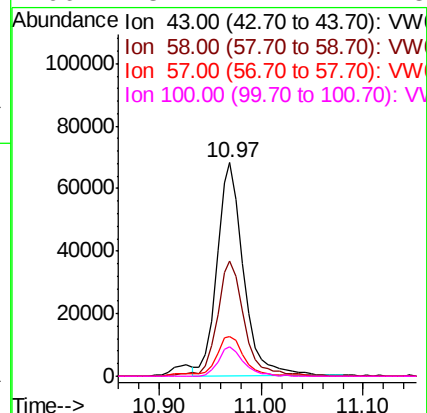
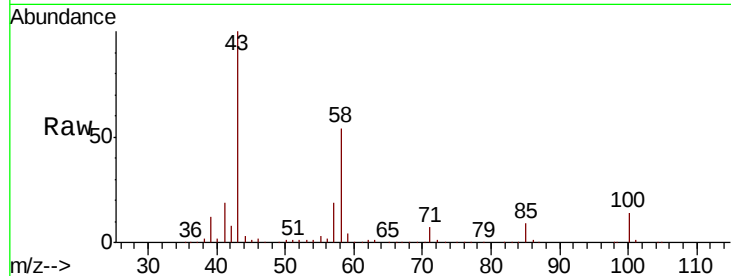




#48
2-Hexanone
Concen: 63.039 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

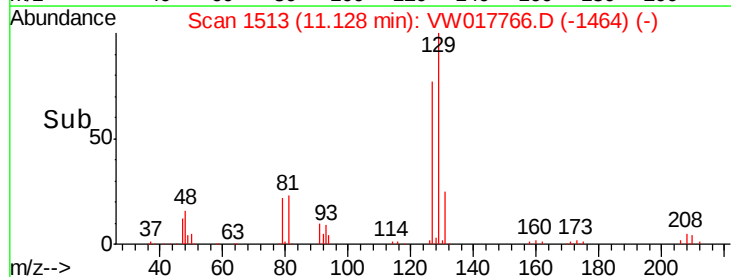
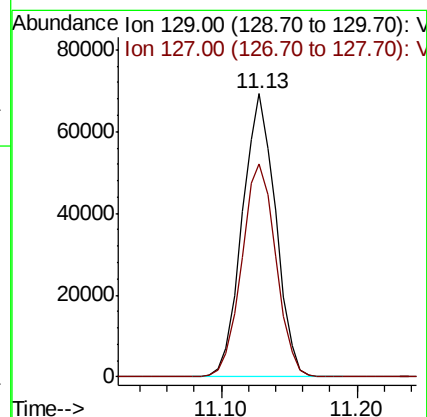
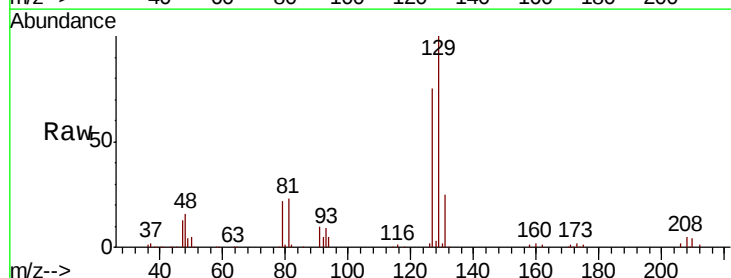
Instrument :
MSVOA_W
ClientSampleId :
VSTD025103

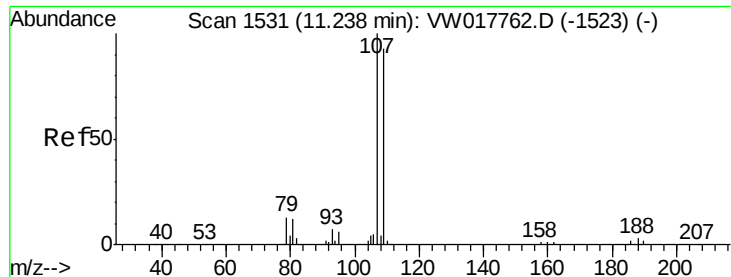
Tot Ion: 43 Resp: 124309
Ion Ratio Lower Upper
43 100
58 54.5 46.8 70.2
57 18.6 14.6 22.0
100 13.1 11.7 17.5



#49
Dibromochloromethane
Concen: 26.037 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Tgt Ion: 129 Resp: 118426
Ion Ratio Lower Upper
129 100
127 75.4 51.6 95.8

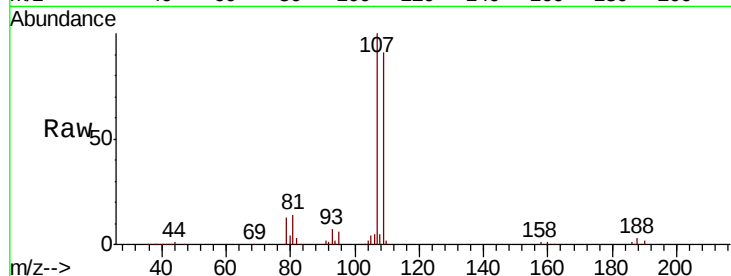




#50
1,2-Dibromoethane
Concen: 27.092 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD025103

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	69.3	128.7
188	3.2	2.7	4.1

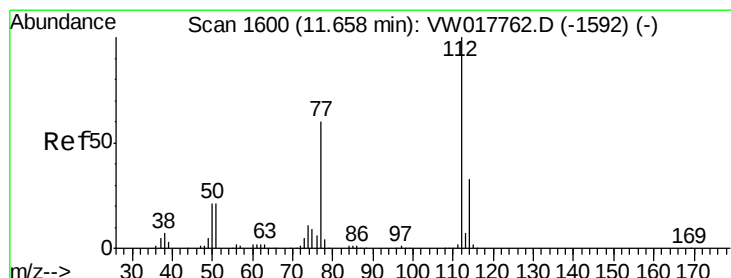
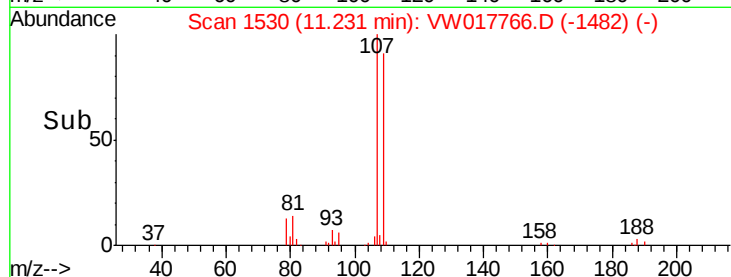
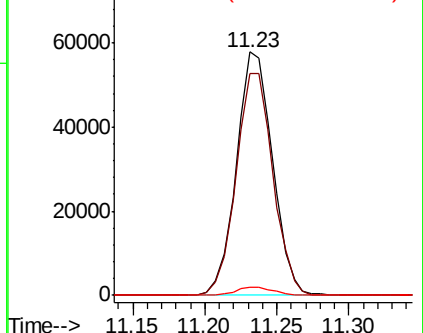


Abundance

Ion 107.00 (106.70 to 107.70): V

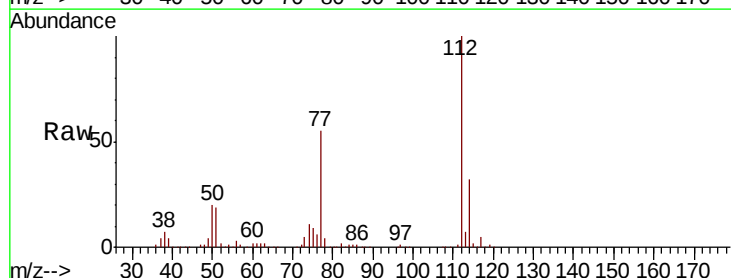
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 25.113 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	55.2	45.8	68.6

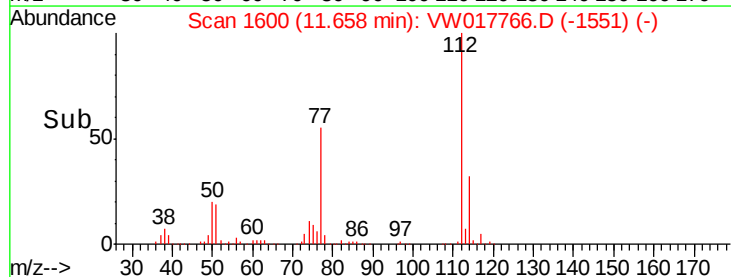
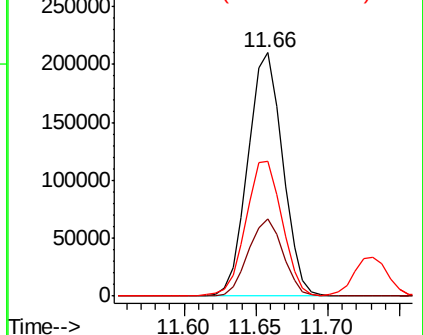


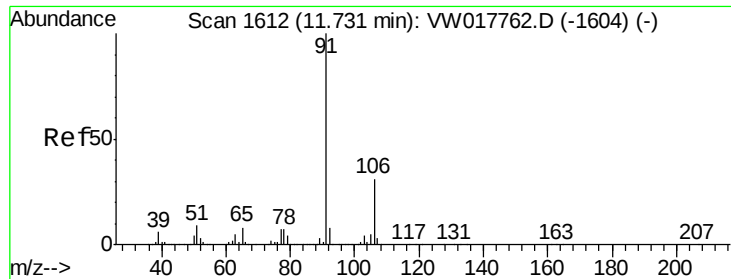
Abundance

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: 24.802 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

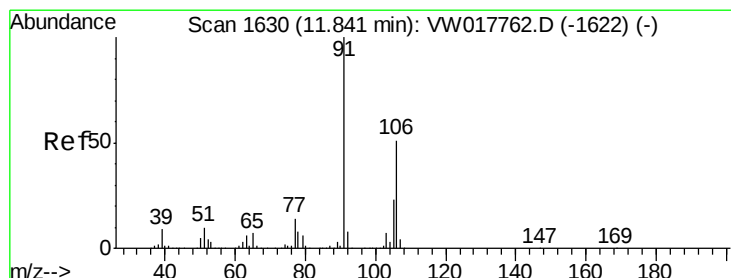
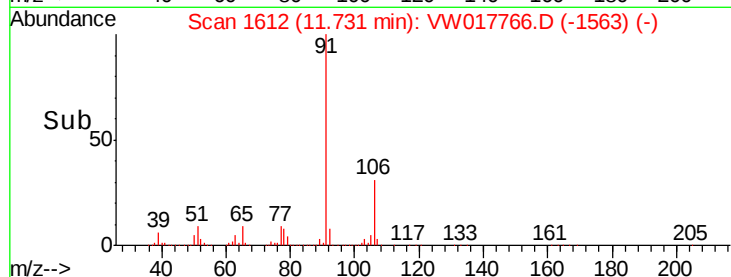
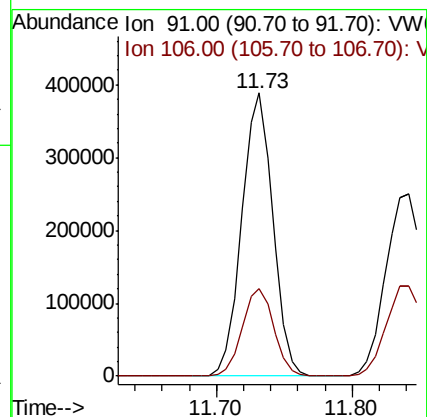
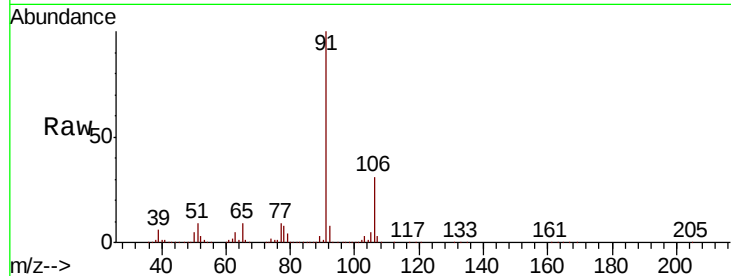
VSTD025103

Tot Ion: 91 Resp: 620110

Ion Ratio Lower Upper

91 100

106 31.1 22.7 42.1



#53

m,p-Xylene

Concen: 24.862 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017766.D

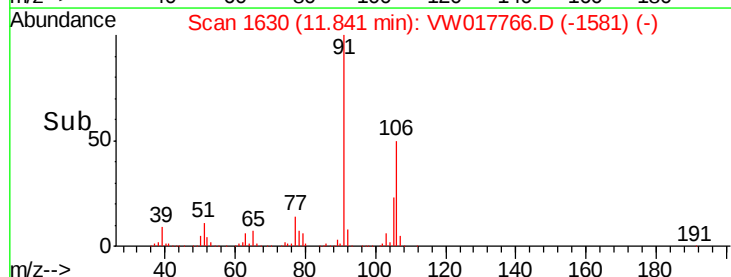
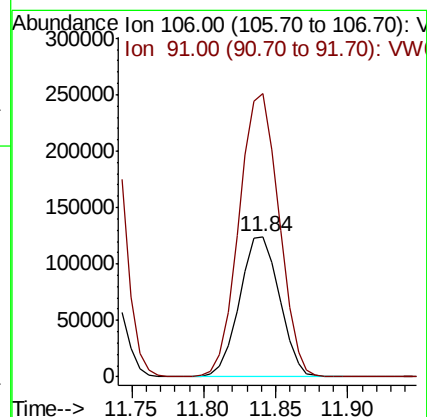
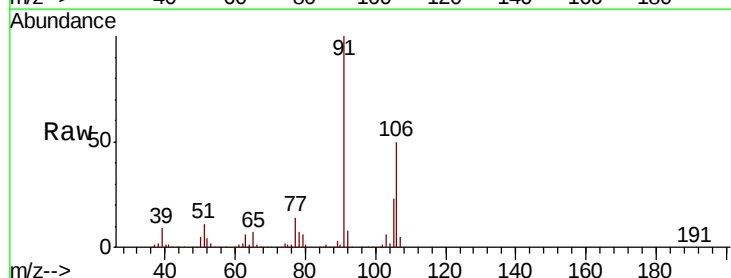
Acq: 28 Dec 2020 17:41

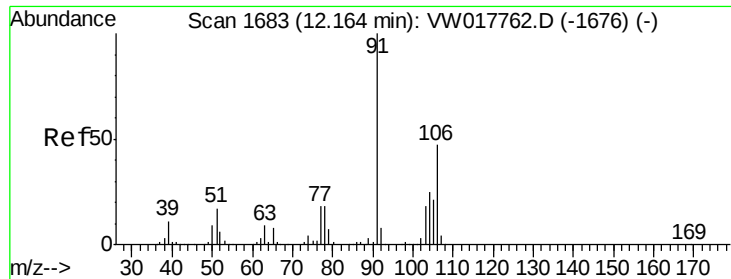
Tgt Ion: 106 Resp: 240013

Ion Ratio Lower Upper

106 100

91 201.5 135.6 251.8

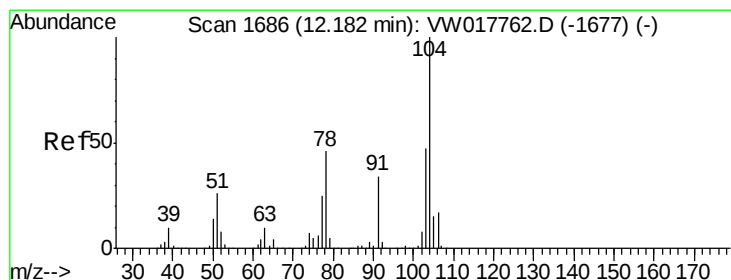
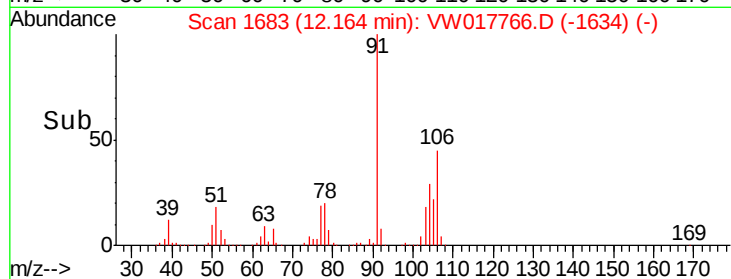
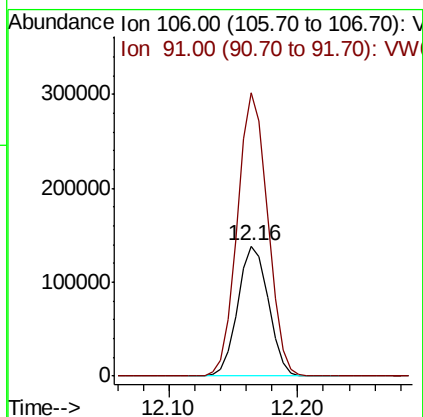
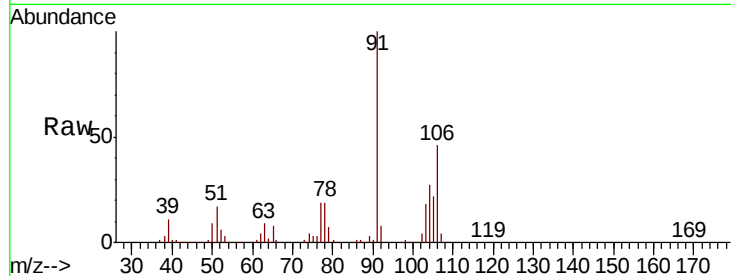




#54
o-Xylene
Concen: 24.848 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

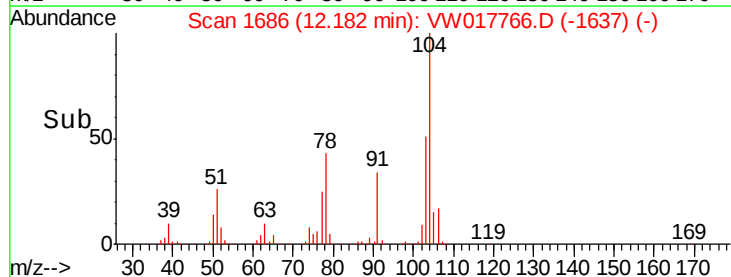
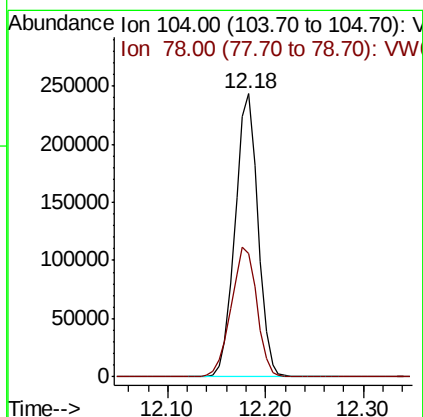
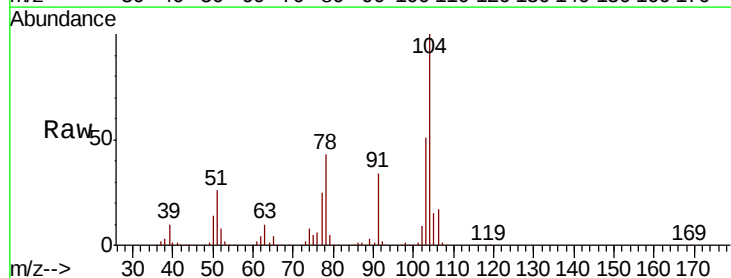
Instrument :
MSVOA_W
ClientSampleId :
VSTD025103

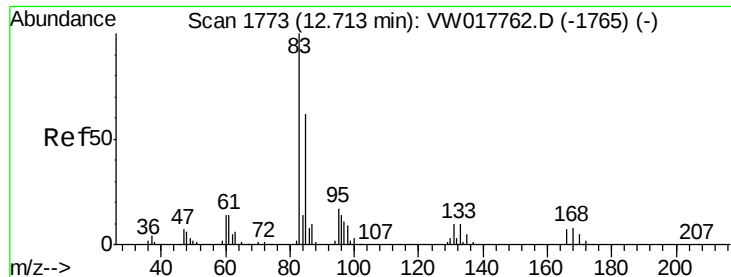
Tot Ion:106 Resp: 228821
Ion Ratio Lower Upper
106 100
91 217.2 152.2 282.6



#55
Styrene
Concen: 25.075 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Tgt Ion:104 Resp: 395306
Ion Ratio Lower Upper
104 100
78 43.5 31.9 59.3

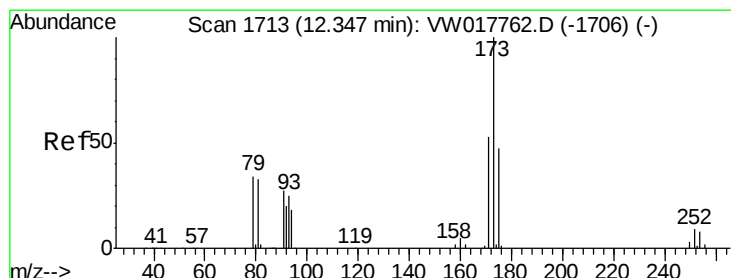
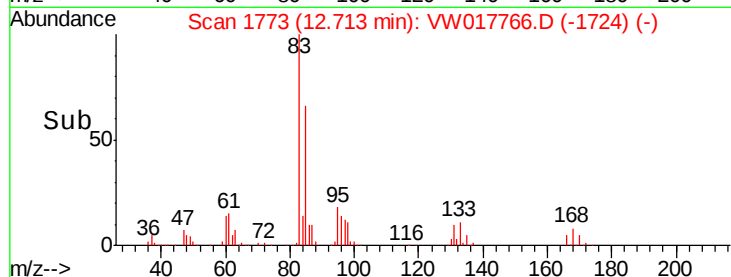
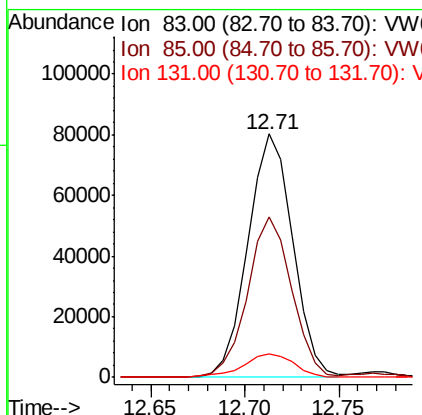
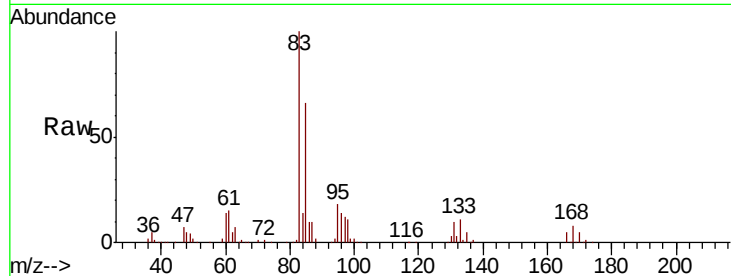




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.817 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

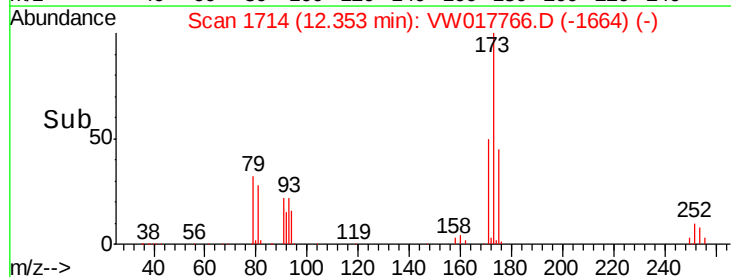
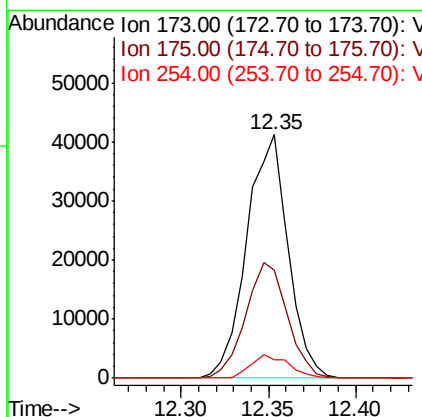
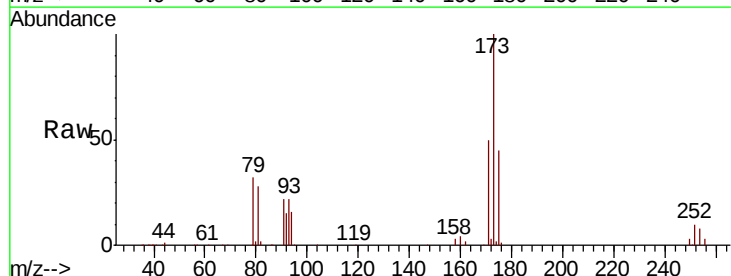
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

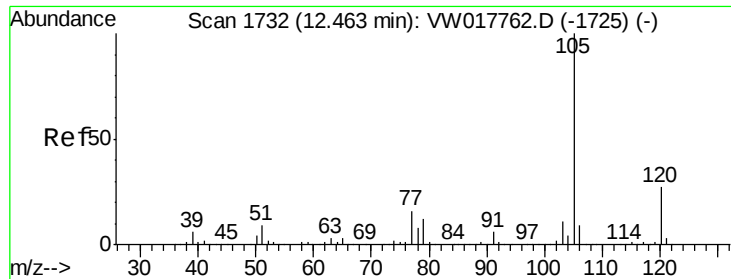
Tot Ion	83	Resp	132037
Ion Ratio	Lower	Upper	
83	100		
85	66.1	43.5	80.7
131	9.6	8.2	12.2



#59
 Bromoform
 Concen: 27.050 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Tgt Ion	173	Resp	67779
Ion Ratio	Lower	Upper	
173	100		
175	48.0	38.0	57.0
254	8.6	4.8	7.2#





#60

Isopropylbenzene

Concen: 24.547 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD025103

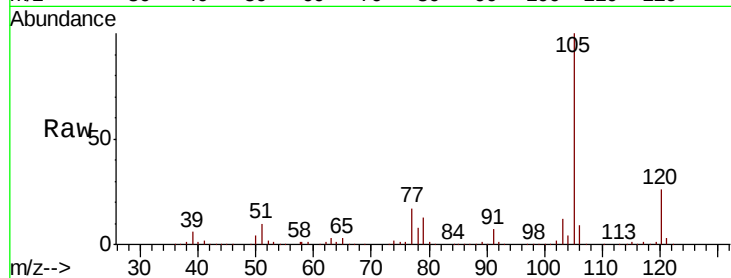
Tot Ion:105 Resp: 619325

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

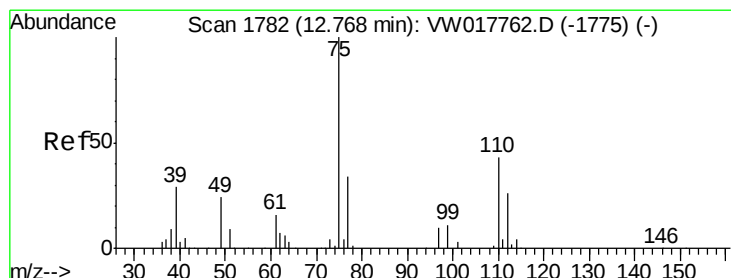
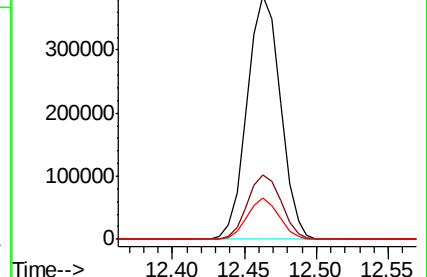
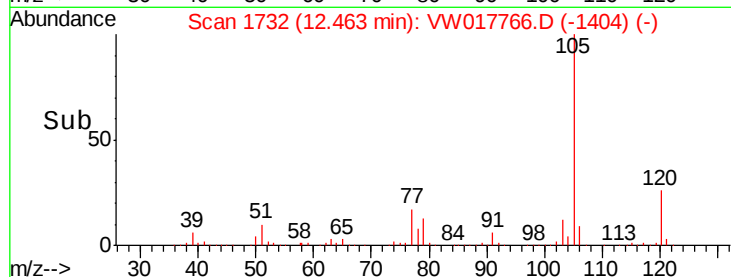
77 16.1 12.9 19.3



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: 28.328 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

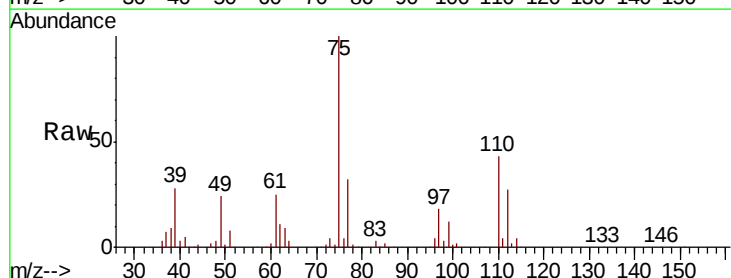
Tgt Ion: 75 Resp: 98852

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

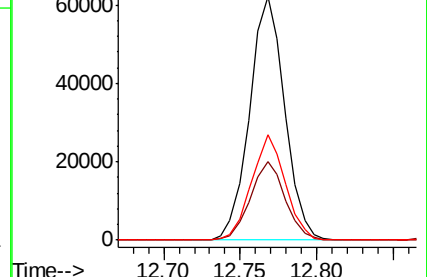
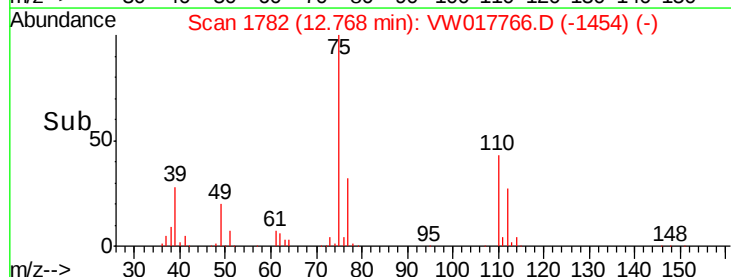
110 41.8 33.0 49.6

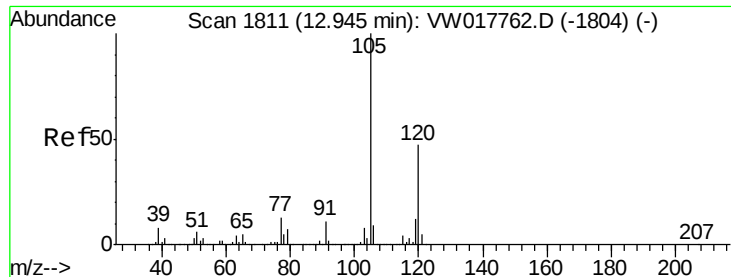


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 24.769 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW017766.D

Acq: 28 Dec 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

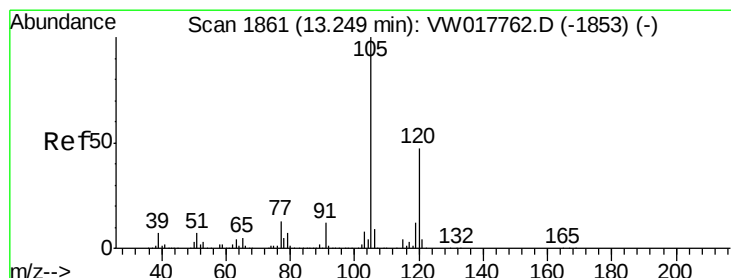
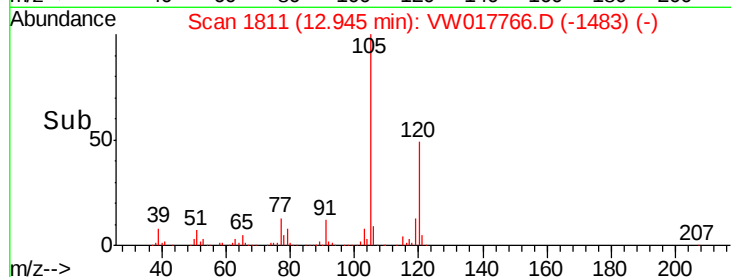
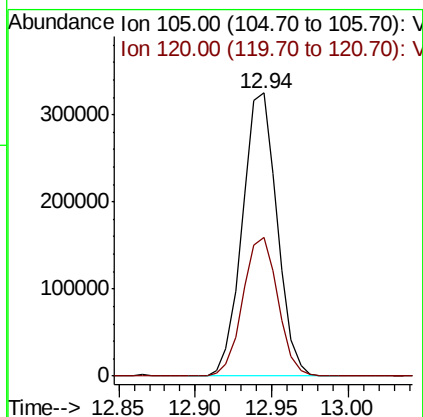
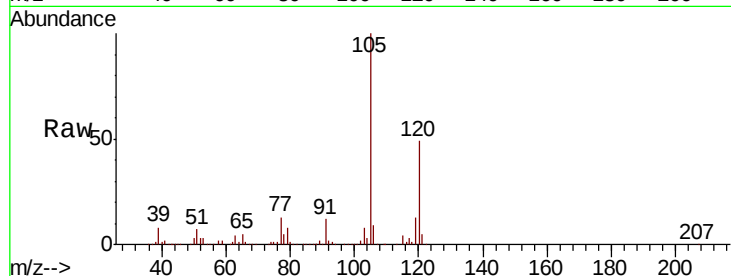
VSTD025103

Tot Ion:105 Resp: 511582

Ion Ratio Lower Upper

105 100

120 49.4 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 25.405 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW017766.D

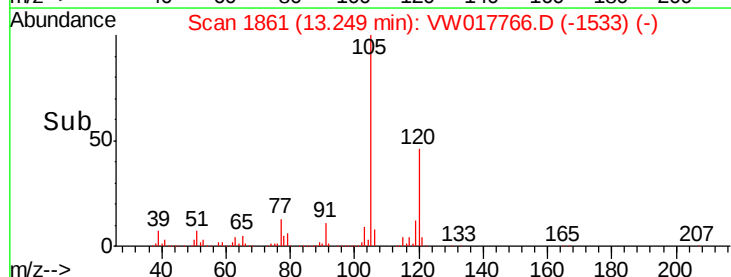
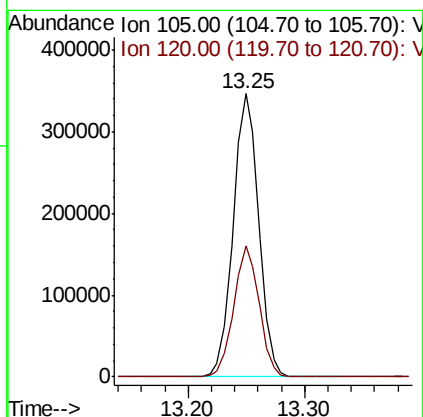
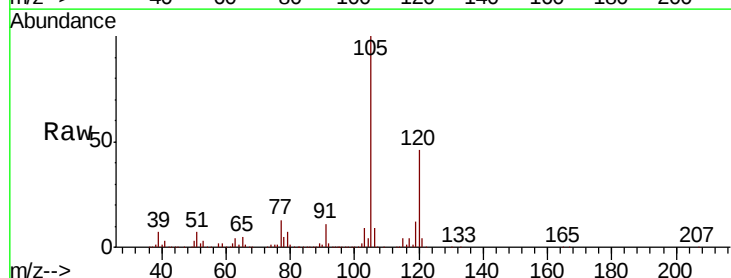
Acq: 28 Dec 2020 17:41

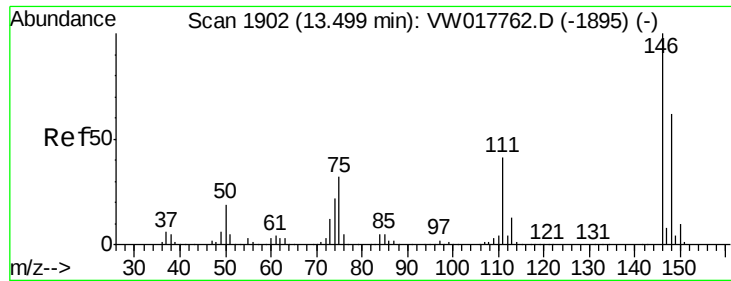
Tgt Ion:105 Resp: 528112

Ion Ratio Lower Upper

105 100

120 45.8 37.5 56.3

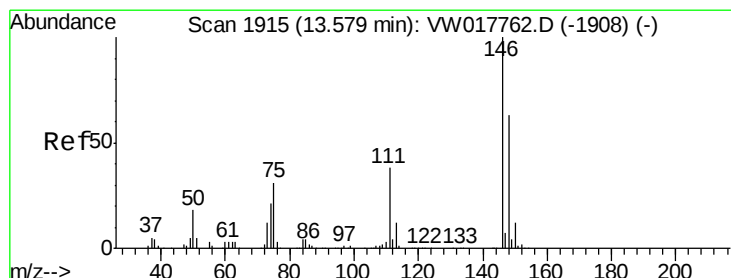
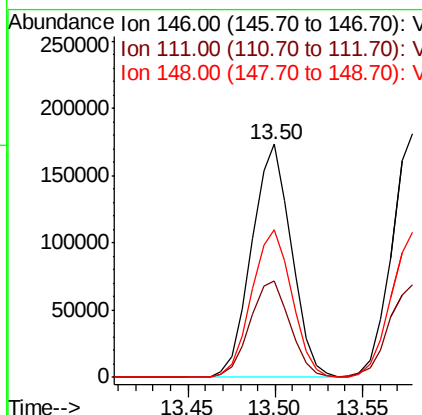
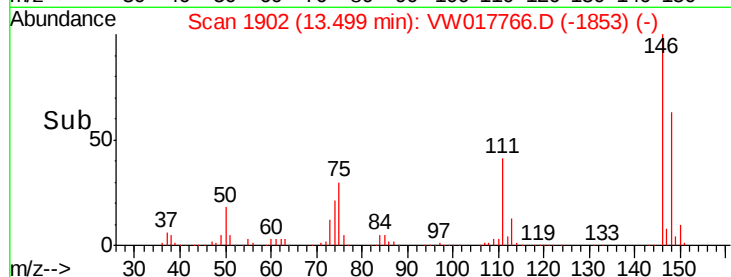
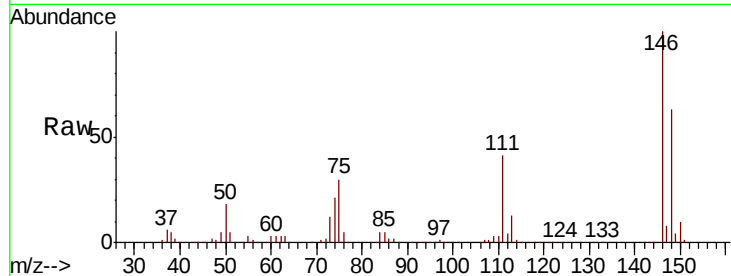




#64
 1,3-Dichlorobenzene
 Concen: 25.072 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

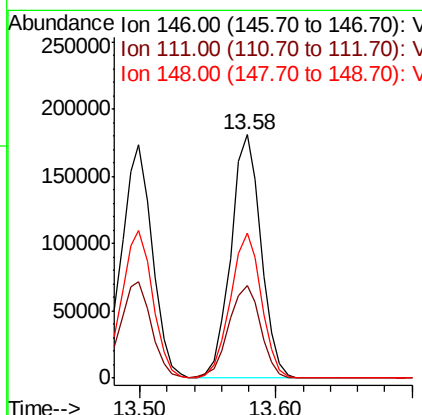
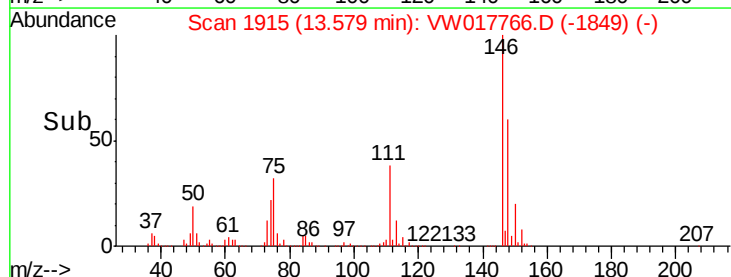
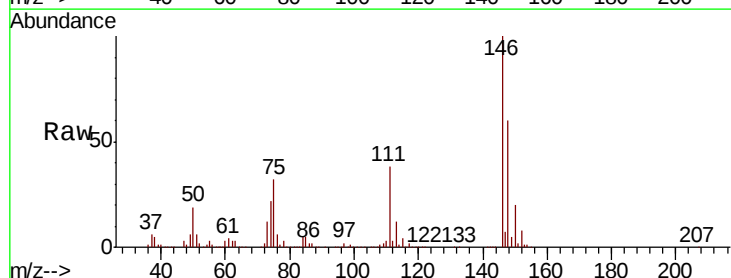
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

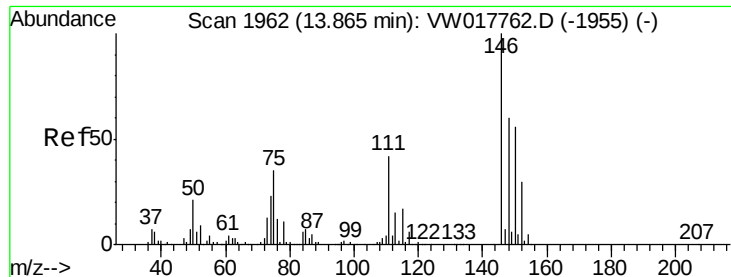
Tot Ion:146 Resp: 274255
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 63.3 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 25.542 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Tgt Ion:146 Resp: 278972
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.6 51.2
 148 59.7 42.4 78.6

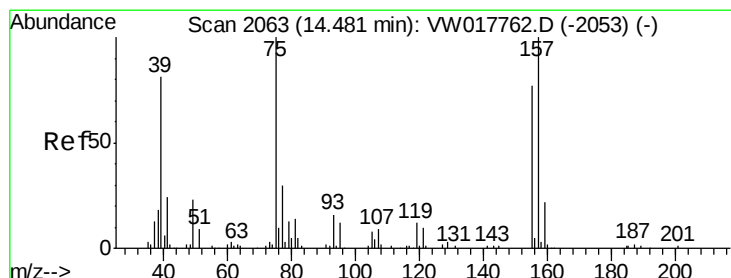
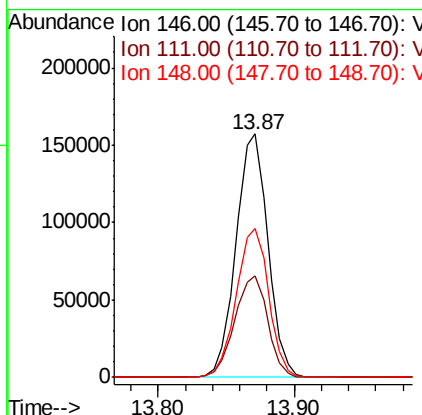
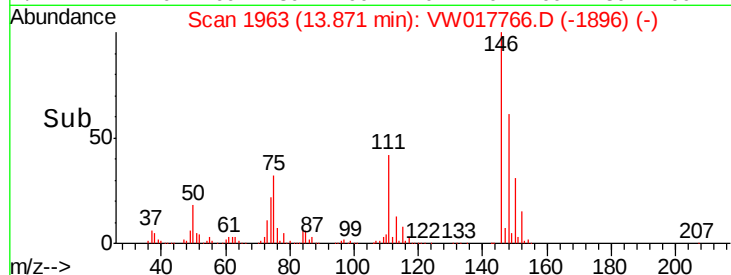
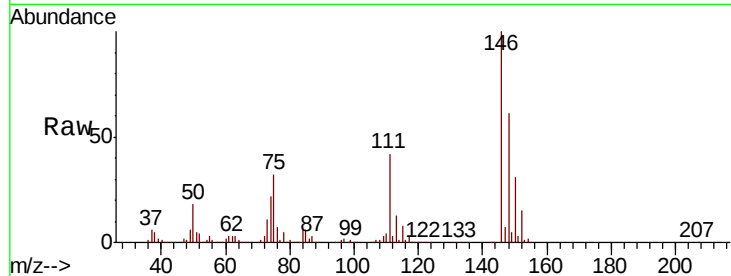




#67
 1,2-Dichlorobenzene
 Concen: 25.737 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

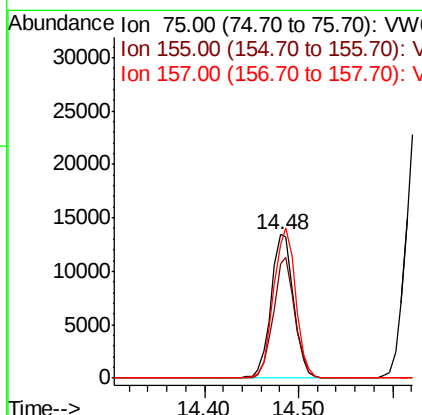
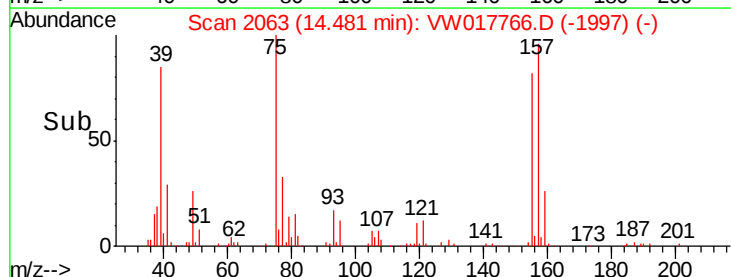
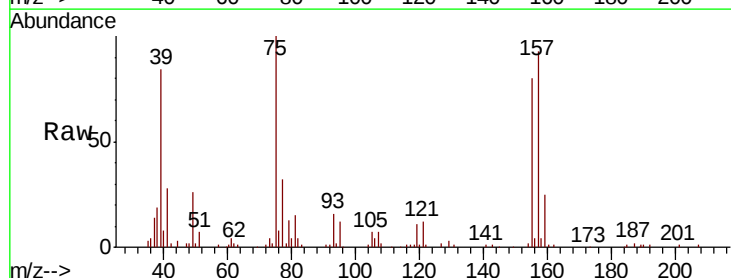
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

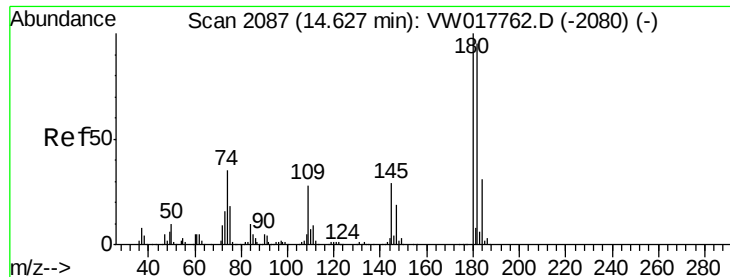
Tot Ion:146 Resp: 257197
 Ion Ratio Lower Upper
 146 100
 111 41.8 30.6 45.8
 148 61.0 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.258 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Tgt Ion: 75 Resp: 22516
 Ion Ratio Lower Upper
 75 100
 155 79.8 54.9 82.3
 157 93.1 70.4 105.6

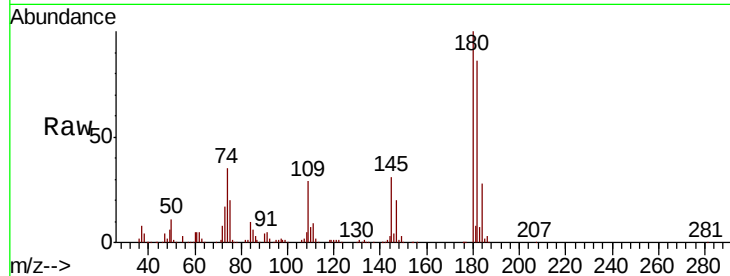




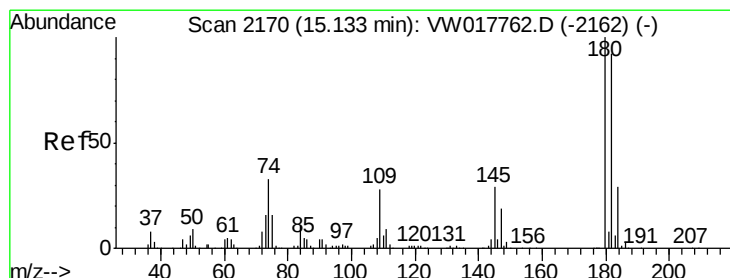
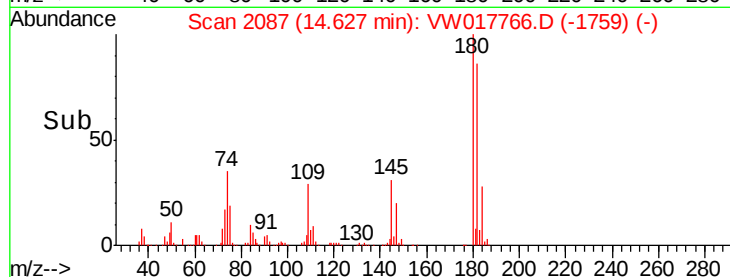
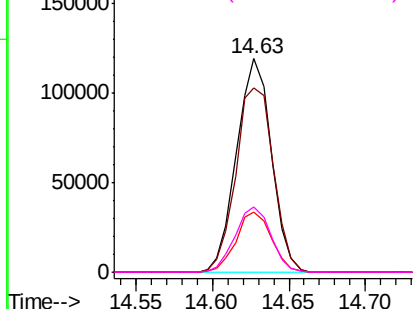
#69
 1,3,5-Trichlorobenzene
 Concen: 25.402 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025103

Tot Ion:180	Resp:	188109
Ion	Ratio	Lower Upper
180	100	
182	93.5	76.1 114.1
184	28.7	24.2 36.4
145	31.4	25.6 38.4

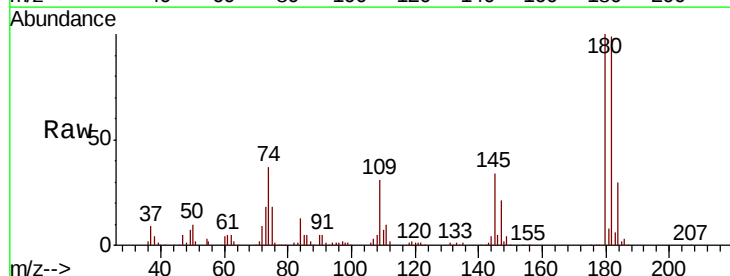


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

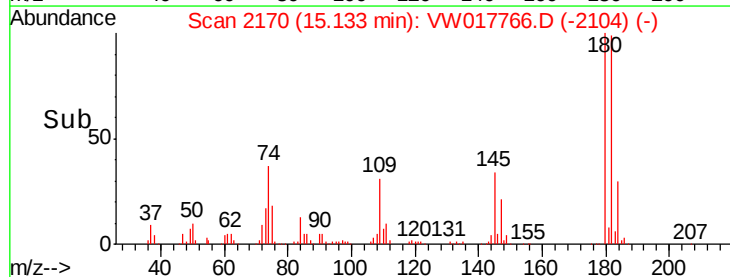
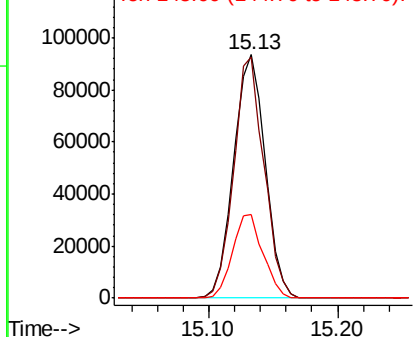


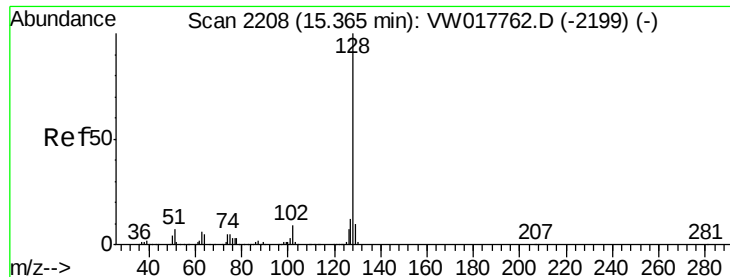
#70
 1,2,4-trichlorobenzene
 Concen: 24.786 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017766.D
 Acq: 28 Dec 2020 17:41

Tgt Ion:180	Resp:	158806
Ion	Ratio	Lower Upper
180	100	
182	95.2	72.3 108.5
145	33.4	25.6 38.4



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

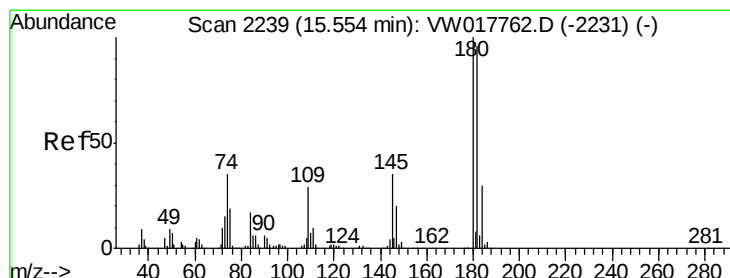
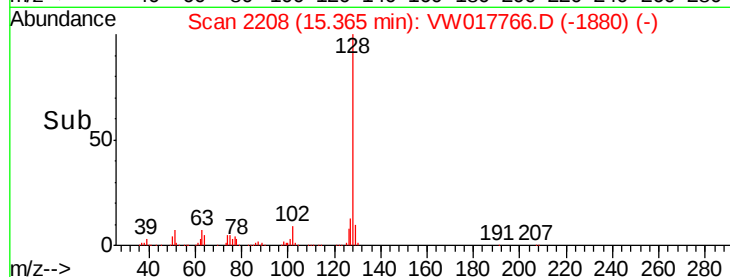
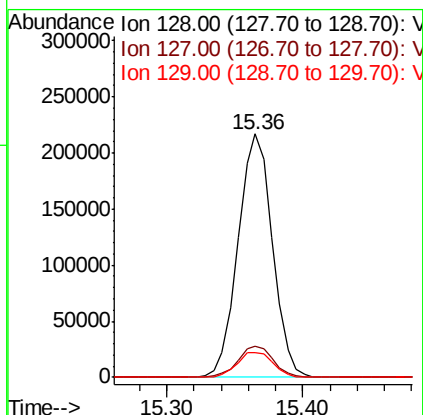
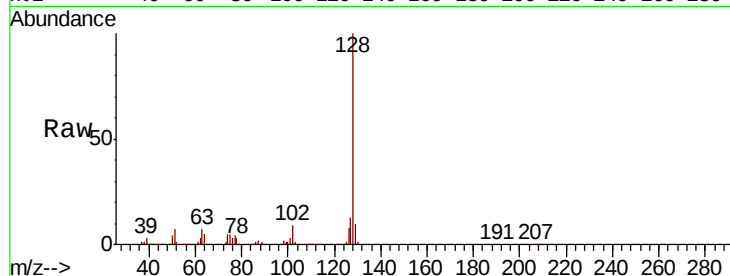




#71
Naphthalene
Concen: 27.729 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD025103

Tot Ion:128 Resp: 381895
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 25.038 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW017766.D
Acq: 28 Dec 2020 17:41

Tgt Ion:180 Resp: 142177
Ion Ratio Lower Upper
180 100
182 93.2 74.5 111.7
145 34.4 27.1 40.7

