

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122820\
 Data File : VW017762.D
 Acq On : 28 Dec 2020 14:09
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

Quant Time: Dec 29 04:07:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 28 13:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	361185	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	342294	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	182392	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	124981	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.16%
7) Chloroethane-d5	2.89	69	111212	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
11) 1,1-Dichloroethene-d2	4.03	63	236940	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.72%
21) 2-Butanone-d5	7.08	46	63663	51.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.42%
24) Chloroform-d	7.65	84	243591	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	8.31	65	138601	24.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.28%
32) Benzene-d6	8.27	84	468973	24.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	9.27	67	133396	23.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.60%
41) Toluene-d8	10.32	98	446641	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	10.58	79	67004	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
47) 2-Hexanone-d5	10.93	63	45427	50.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.92%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	127251	25.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.80%
66) 1,2-Dichlorobenzene-d4	13.85	152	158319	24.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	92765	22.175	ug/L	96
3) Chloromethane	2.21	50	88031	24.240	ug/L	99
5) Vinyl chloride	2.37	62	153602	25.342	ug/L	99
6) Bromomethane	2.78	94	137246	26.812	ug/L	98
8) Chloroethane	2.92	64	102420	25.622	ug/L	100
9) Trichlorofluoromethane	3.26	101	110880	25.557	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	123262	26.095	ug/L	99
12) 1,1-Dichloroethene	4.04	96	117762	26.143	ug/L	97
13) Acetone	4.13	43	49874	53.077	ug/L	98
14) Carbon disulfide	4.39	76	368924	26.442	ug/L	97
15) Methyl Acetate	4.67	43	55159	26.187	ug/L	99
16) Methylene chloride	4.92	84	128403	22.593	ug/L	96
17) trans-1,2-Dichloroethene	5.43	96	130046	25.712	ug/L	99
18) Methyl tert-butyl Ether	5.43	73	176182	26.746	ug/L	99
19) 1,1-Dichloroethane	6.22	63	229838	25.993	ug/L	97
20) cis-1,2-Dichloroethene	7.17	96	140173	25.874	ug/L	97
22) 2-Butanone	7.18	43	77583	55.226	ug/L	100

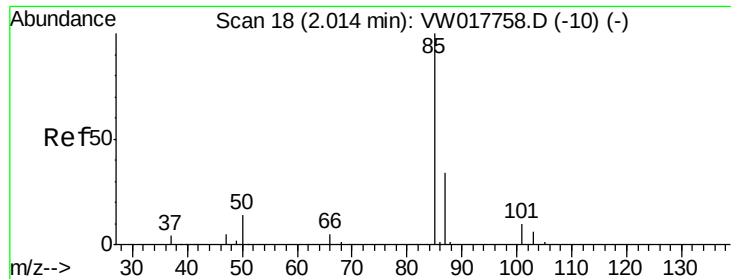
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122820\
 Data File : VW017762.D
 Acq On : 28 Dec 2020 14:09
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
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Quant Time: Dec 29 04:07:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 28 13:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	63449	25.948	ug/L	95
25) Chloroform	7.68	83	243376	26.023	ug/L	96
27) 1,2-Dichloroethane	8.40	62	174099	26.733	ug/L	98
29) Cyclohexane	7.96	56	212222	25.530	ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	206551	25.682	ug/L	99
31) Carbon tetrachloride	8.07	117	194795	25.415	ug/L	100
33) Benzene	8.32	78	529248	25.838	ug/L	100
34) Trichloroethene	9.09	95	143671	25.890	ug/L	98
35) Methylcyclohexane	9.34	83	252088	26.529	ug/L	100
37) 1,2-Dichloropropane	9.37	63	128317	25.846	ug/L	99
38) Bromodichloromethane	9.65	83	183693	26.217	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	217514	26.659	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	165758	55.134	ug/L	98
42) Toluene	10.39	91	604053	26.176	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	195786	26.711	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	104754	26.315	ug/L	99
46) Tetrachloroethene	10.87	164	114839	26.775	ug/L	93
48) 2-Hexanone	10.97	43	120360	58.503	ug/L	95
49) Dibromochloromethane	11.13	129	125861	26.523	ug/L	88
50) 1,2-Dibromoethane	11.24	107	104207	26.905	ug/L	94
51) Chlorobenzene	11.66	112	381055	26.098	ug/L	97
52) Ethylbenzene	11.73	91	693748	26.596	ug/L	98
53) m,p-Xylene	11.84	106	269028	26.711	ug/L	98
54) o-Xylene	12.16	106	255757	26.620	ug/L	96
55) Styrene	12.18	104	441114	26.819	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	134016	28.035	ug/L	100
59) Bromoform	12.35	173	71308	27.056	ug/L	100
60) Isopropylbenzene	12.46	105	703242	26.500	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	97378	26.531	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	582567	26.816	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	588144	26.899	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	307500	26.727	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	305507	26.593	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	279375	26.579	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.48	75	22903	27.328	ug/L	88
69) 1,3,5-Trichlorobenzene	14.63	180	205468	26.379	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	186896	27.733	ug/L	98
71) Naphthalene	15.36	128	406436	28.057	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	157670	26.399	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 22.175 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

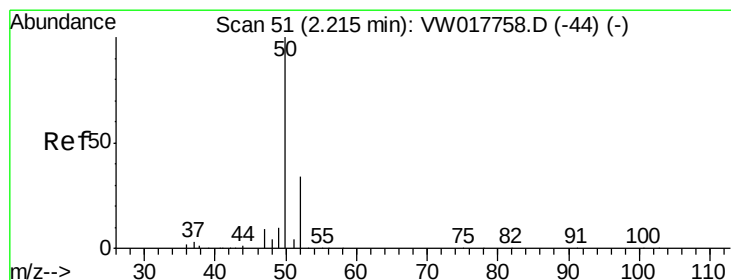
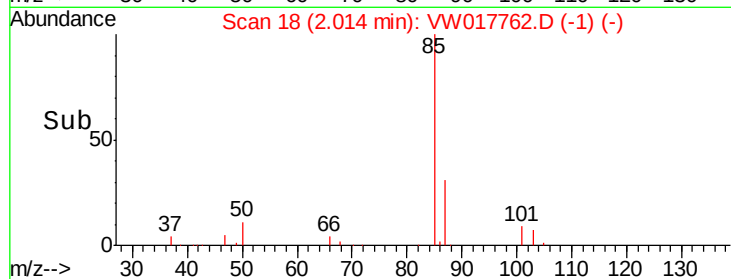
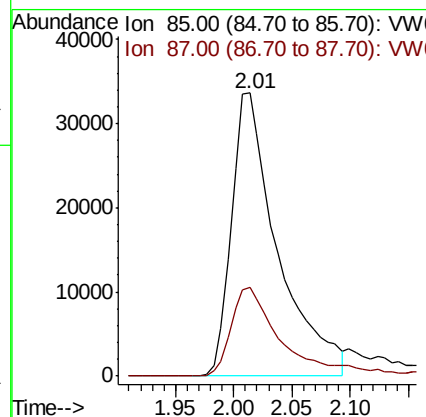
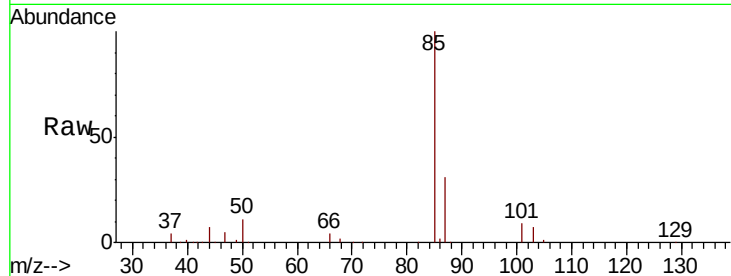
VSTD025102

Tot Ion: 85 Resp: 92765

Ion Ratio Lower Upper

85 100

87 31.6 23.8 35.6



#3

Chloromethane

Concen: 24.240 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017762.D

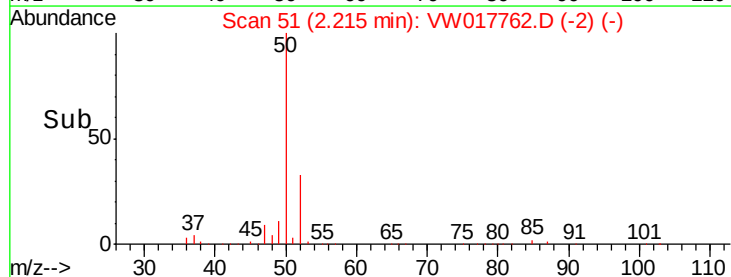
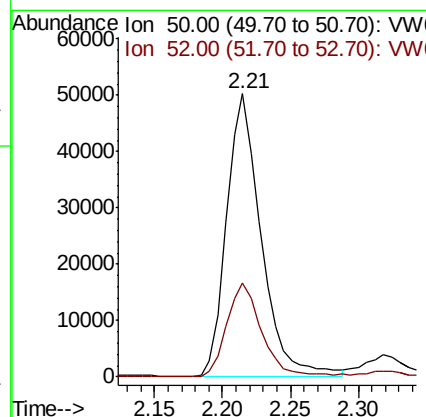
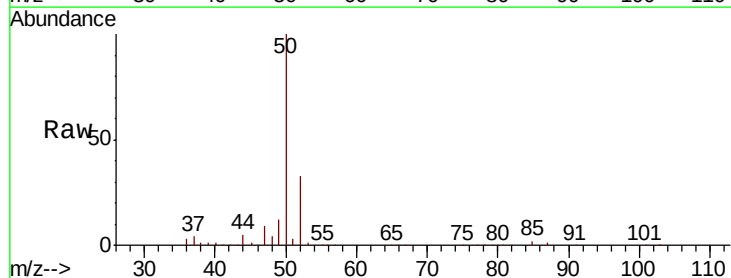
Acq: 28 Dec 2020 14:09

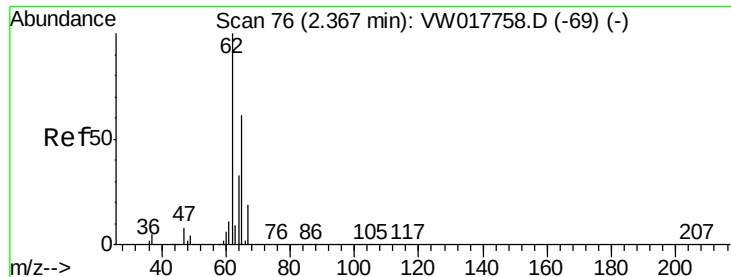
Tgt Ion: 50 Resp: 88031

Ion Ratio Lower Upper

50 100

52 33.4 23.6 43.8





#5

Vinyl chloride

Concen: 25.342 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

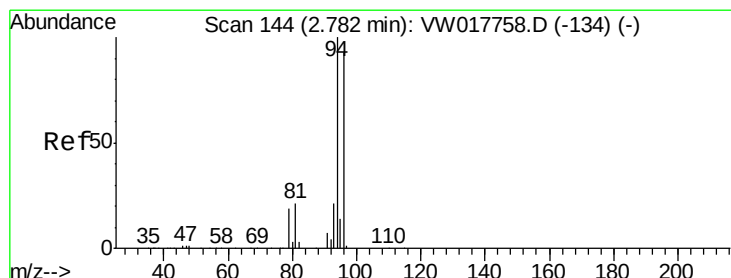
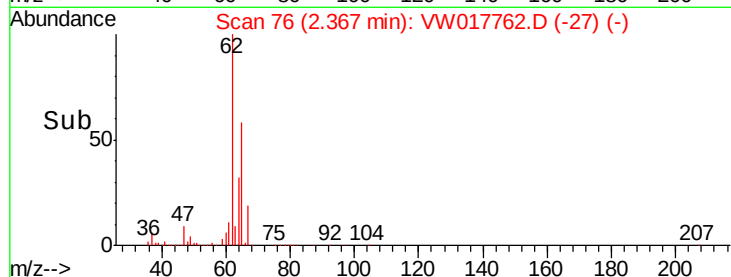
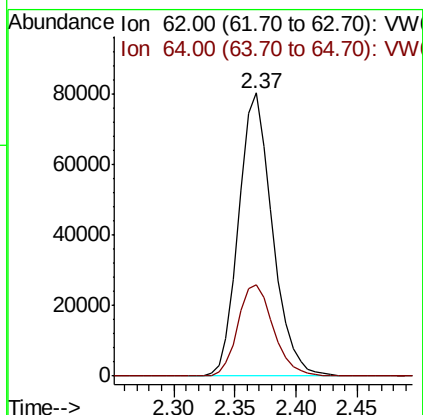
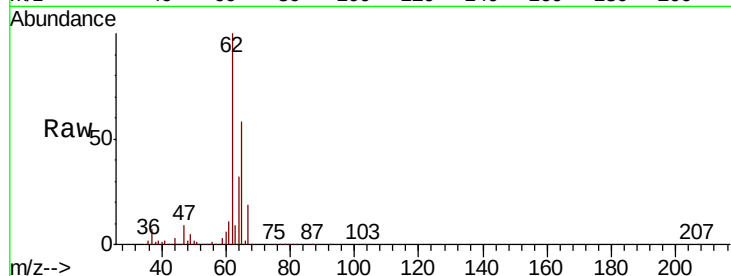
VSTD025102

Tot Ion: 62 Resp: 153602

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.6



#6

Bromomethane

Concen: 26.812 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017762.D

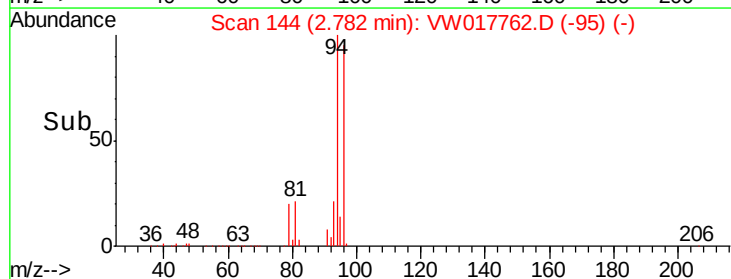
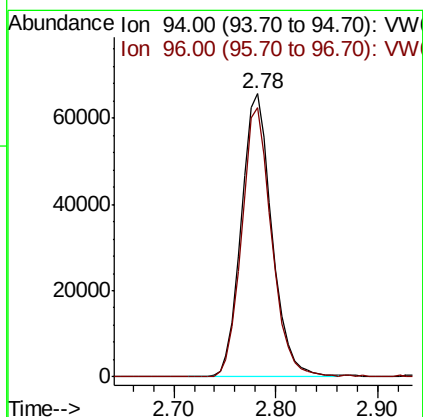
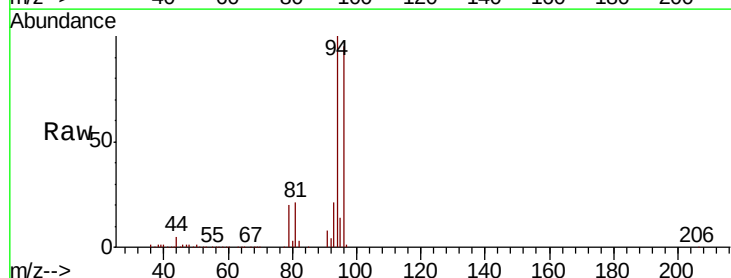
Acq: 28 Dec 2020 14:09

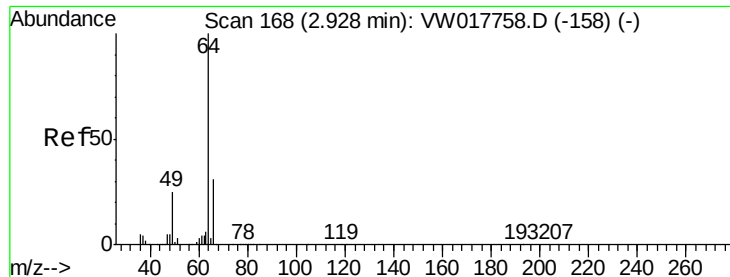
Tgt Ion: 94 Resp: 137246

Ion Ratio Lower Upper

94 100

96 95.2 65.0 120.6





#8

Chloroethane

Concen: 25.622 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

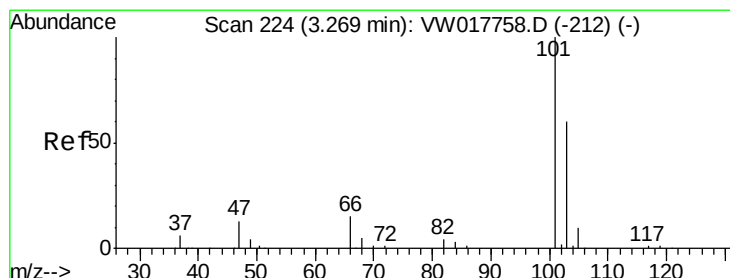
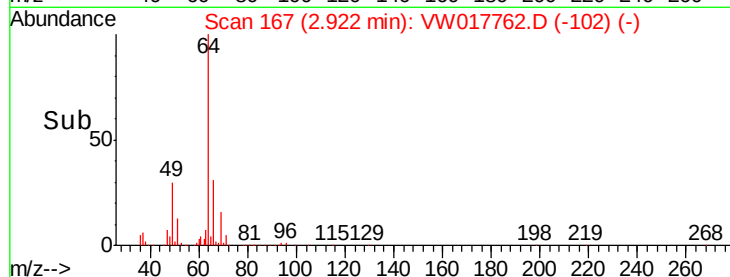
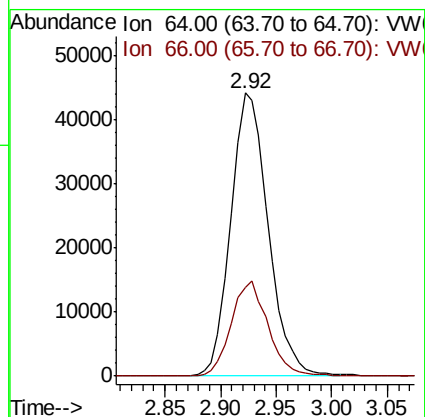
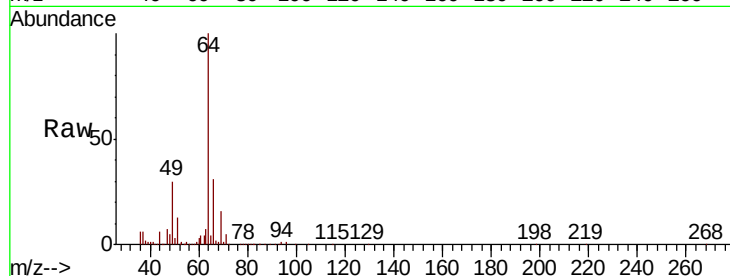
VSTD025102

Tot Ion: 64 Resp: 102420

Ion Ratio Lower Upper

64 100

66 31.2 21.7 40.3



#9

Trichlorofluoromethane

Concen: 25.557 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017762.D

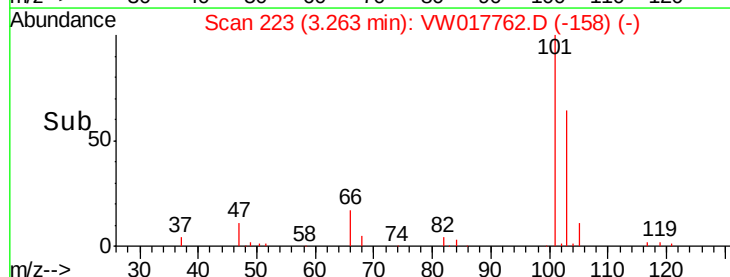
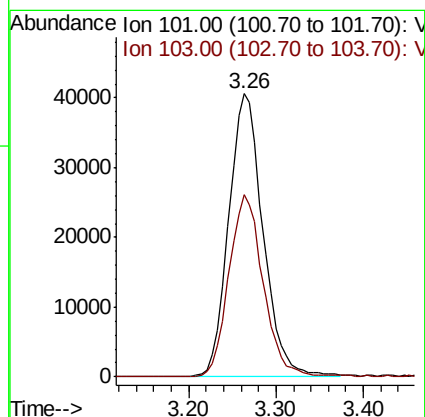
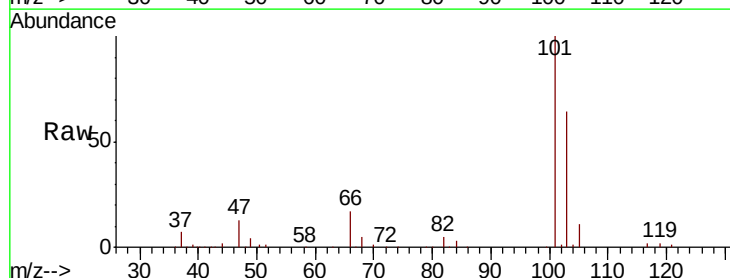
Acq: 28 Dec 2020 14:09

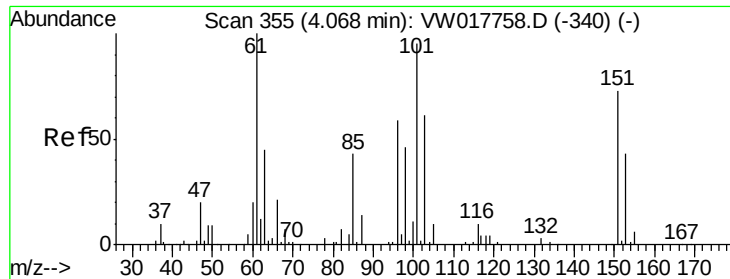
Tgt Ion: 101 Resp: 110880

Ion Ratio Lower Upper

101 100

103 63.6 51.8 77.8





#10

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

Concen: 26.095 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

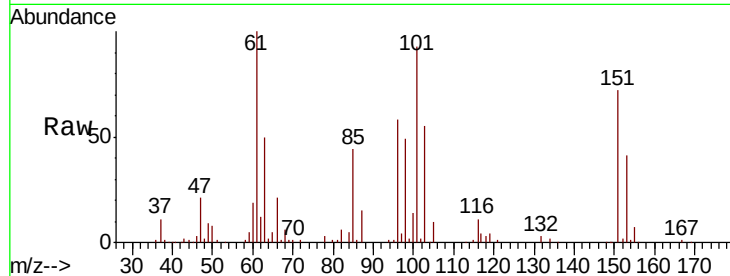
Tot Ion:101 Resp: 123262

Ion Ratio Lower Upper

101 100

85 46.8 37.9 56.9

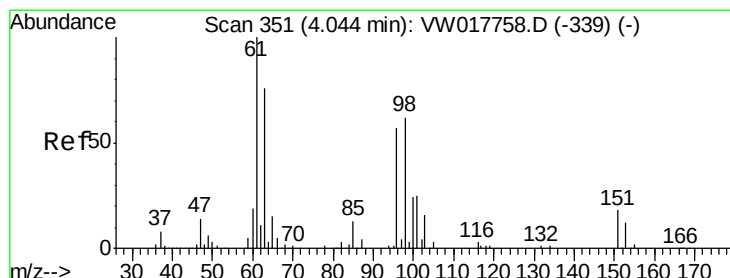
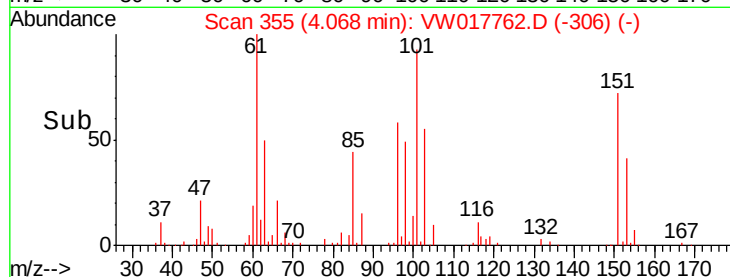
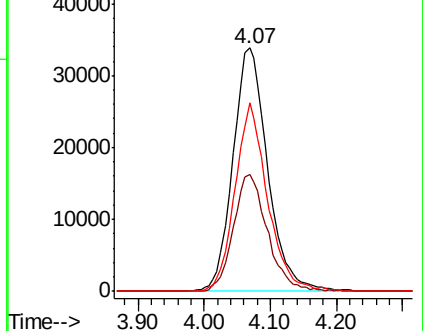
151 71.7 58.2 87.2



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: 26.143 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

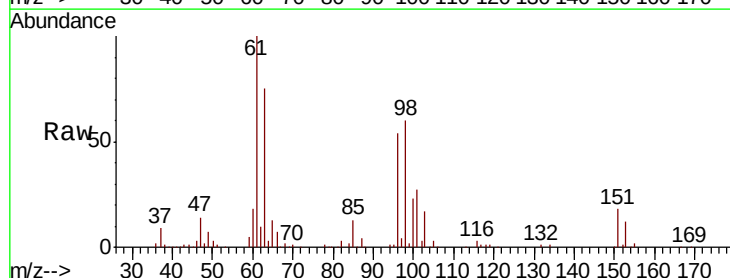
Tgt Ion: 96 Resp: 117762

Ion Ratio Lower Upper

96 100

61 184.0 123.7 229.7

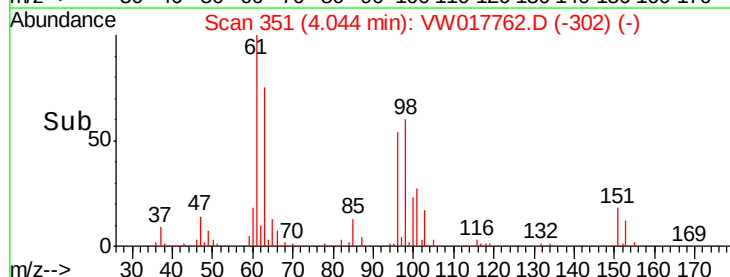
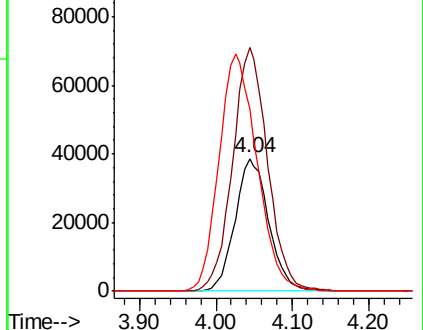
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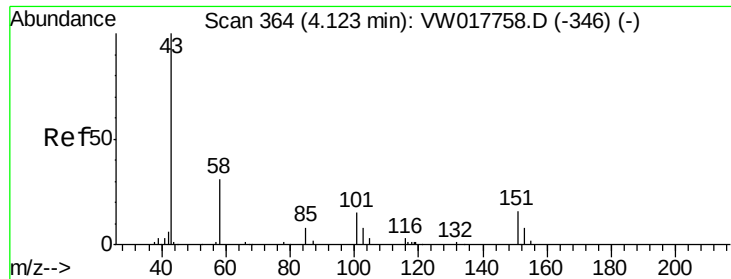


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.077 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

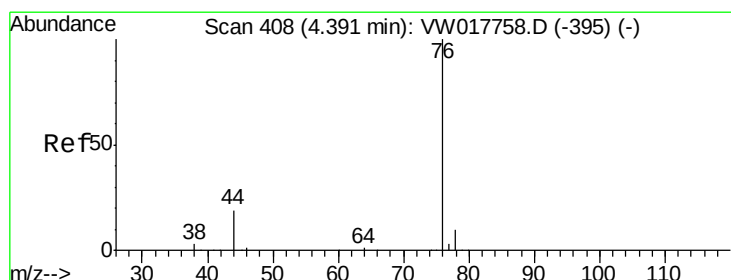
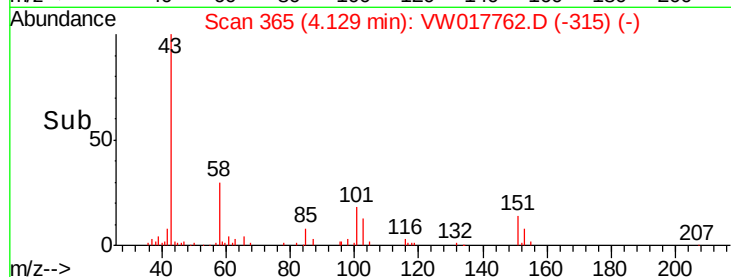
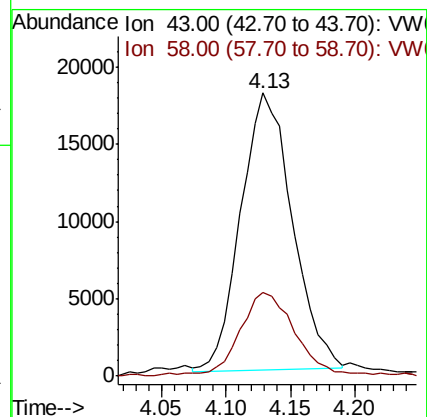
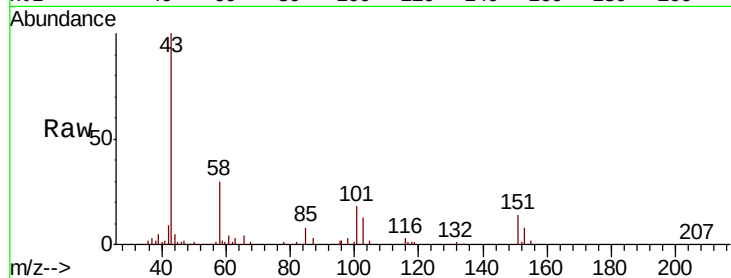
VSTD025102

Tot Ion: 43 Resp: 49874

Ion Ratio Lower Upper

43 100

58 30.0 0.0 57.8



#14

Carbon disulfide

Concen: 26.442 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017762.D

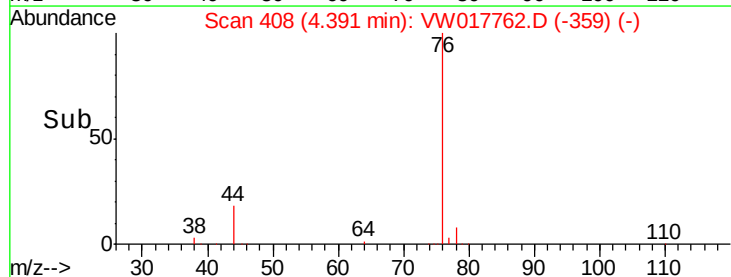
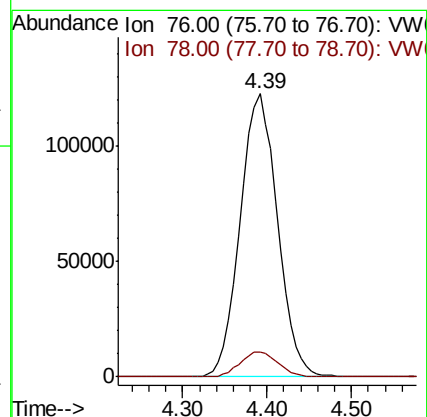
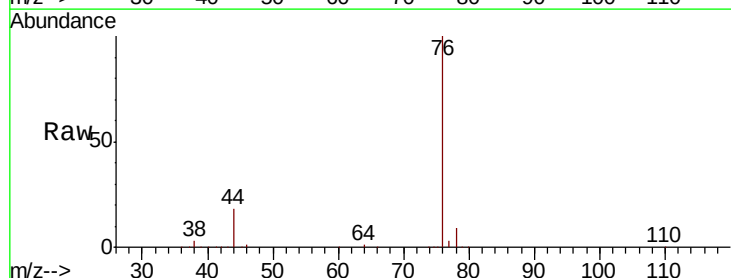
Acq: 28 Dec 2020 14:09

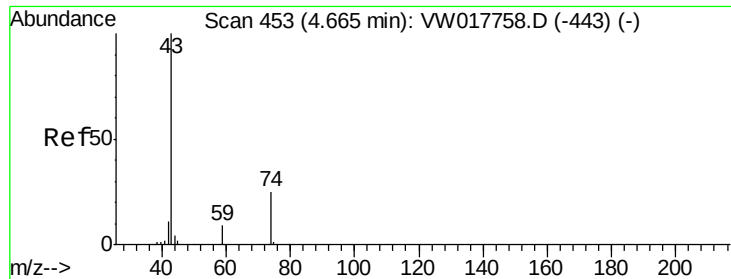
Tgt Ion: 76 Resp: 368924

Ion Ratio Lower Upper

76 100

78 8.6 7.7 11.5

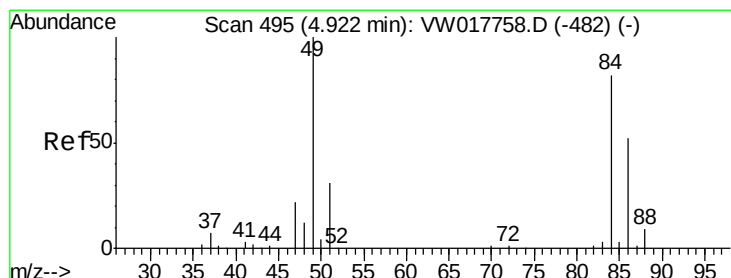
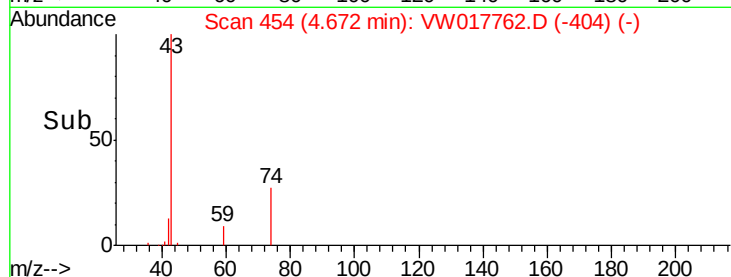
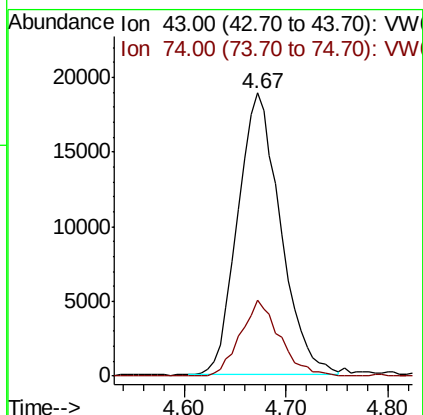
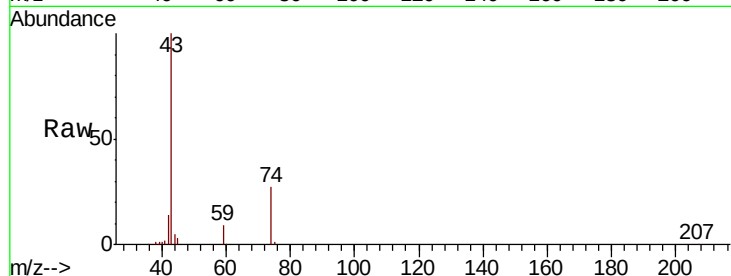




#15
Methyl Acetate
Concen: 26.187 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

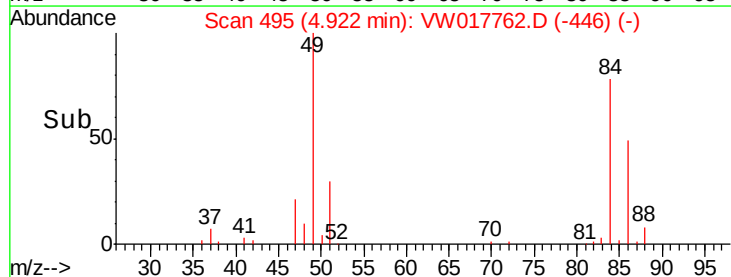
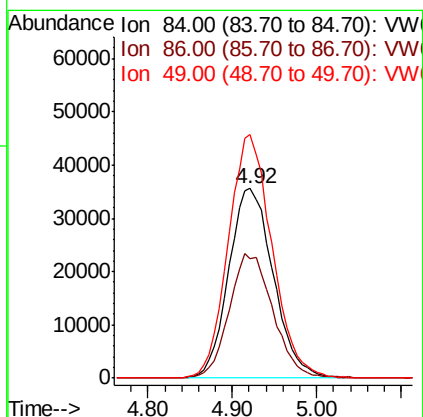
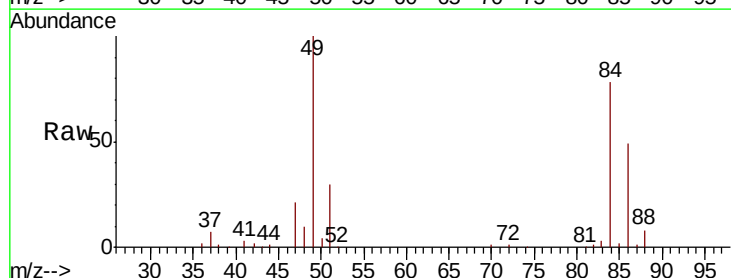
Instrument :
MSVOA_W
ClientSampleId :
VSTD025102

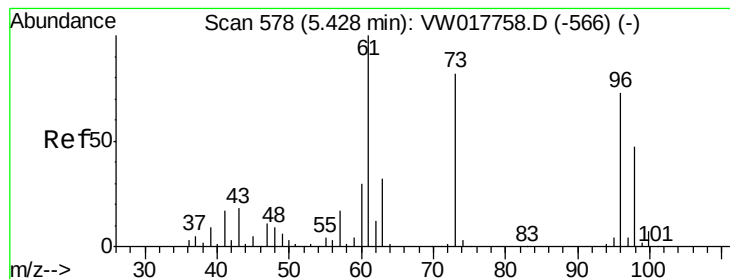
Tot Ion: 43 Resp: 55159
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9



#16
Methylene chloride
Concen: 22.593 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Tgt Ion: 84 Resp: 128403
Ion Ratio Lower Upper
84 100
86 62.7 44.0 81.8
49 128.3 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 25.712 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

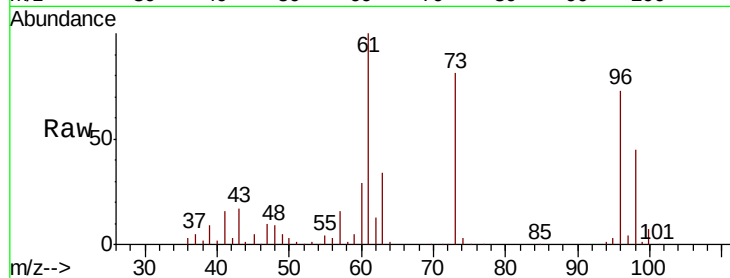
Tot Ion: 96 Resp: 130046

Ion Ratio Lower Upper

96 100

61 137.9 96.0 178.4

98 62.4 44.9 83.3

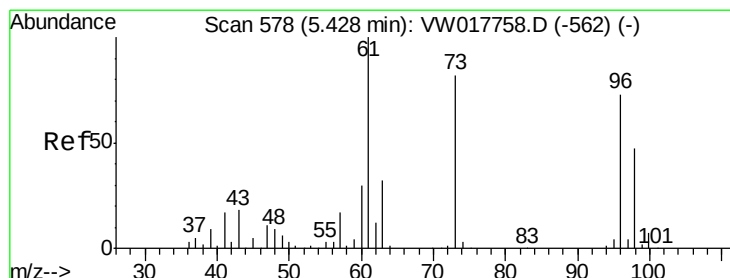
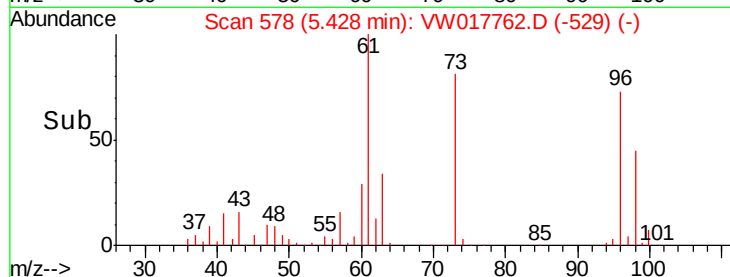
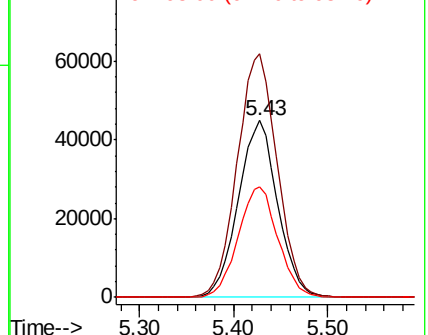


Abundance

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: 26.746 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

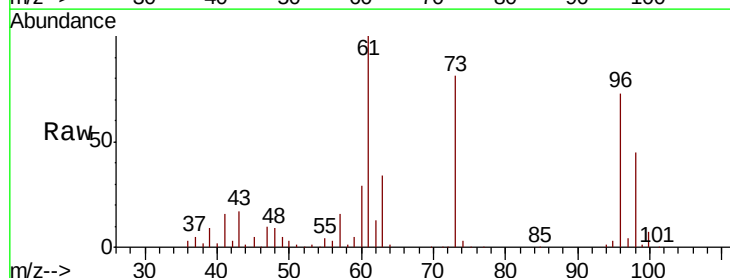
Tgt Ion: 73 Resp: 176182

Ion Ratio Lower Upper

73 100

43 21.9 17.4 26.0

57 20.2 16.9 25.3

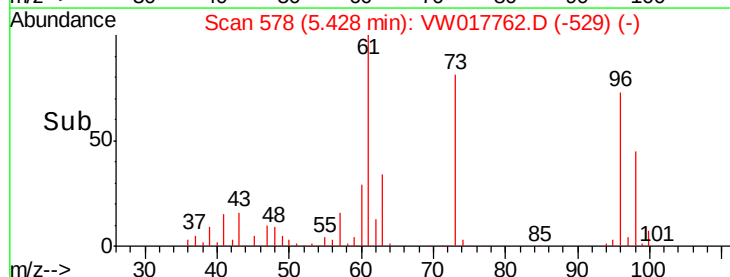
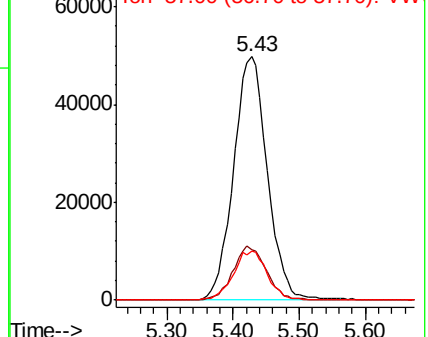


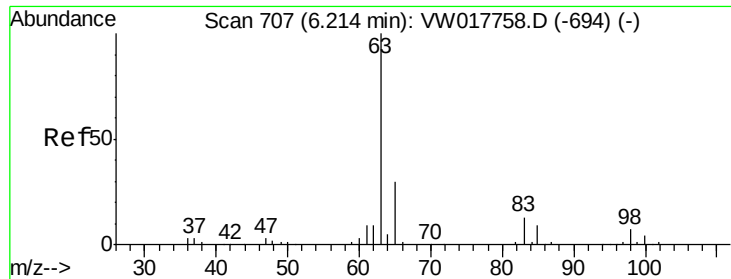
Abundance

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: 25.993 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

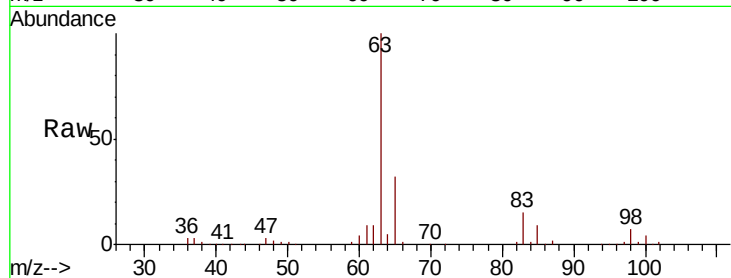
Tot Ion: 63 Resp: 229838

Ion Ratio Lower Upper

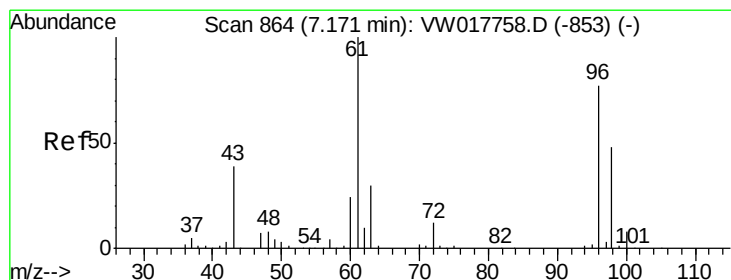
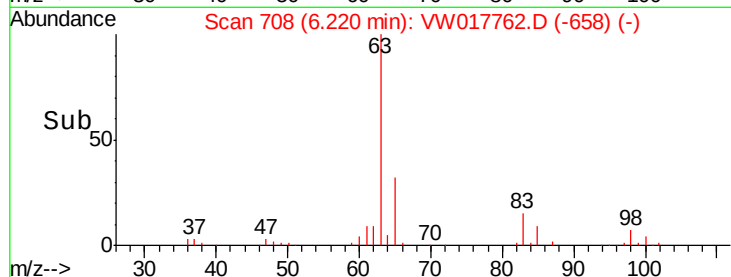
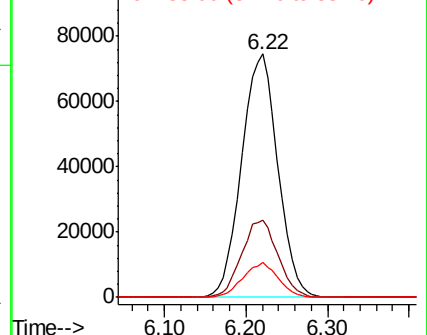
63 100

65 31.5 21.3 39.5

83 14.6 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: 25.874 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

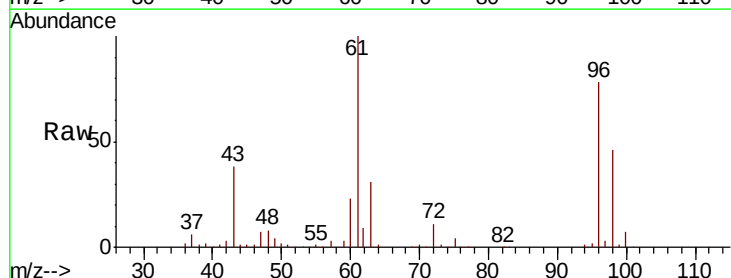
Tgt Ion: 96 Resp: 140173

Ion Ratio Lower Upper

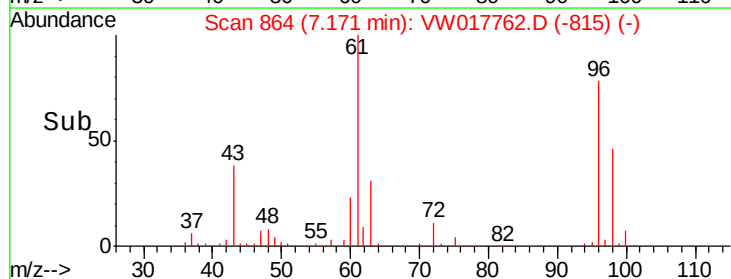
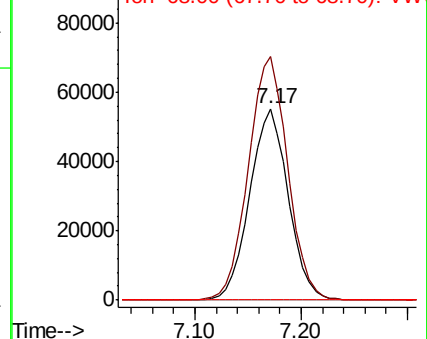
96 100

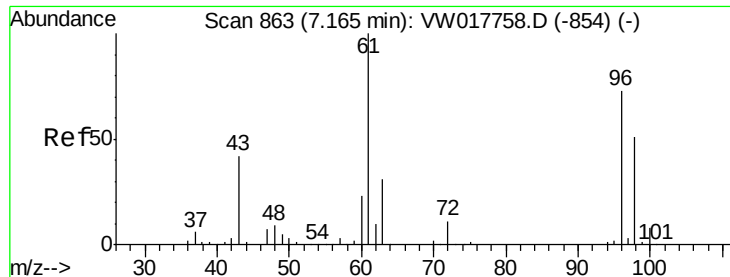
61 127.4 91.6 170.2

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

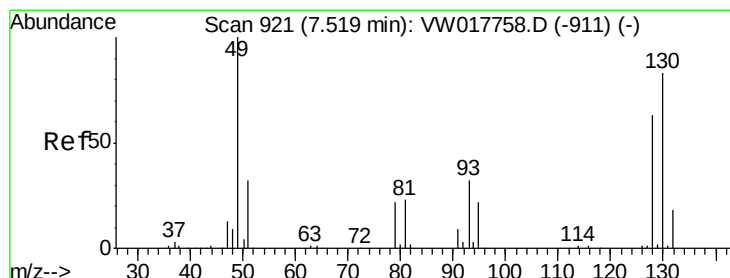
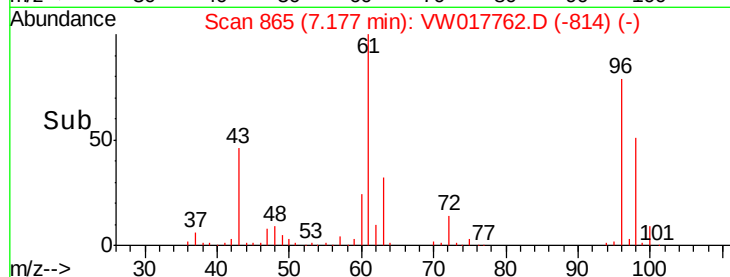
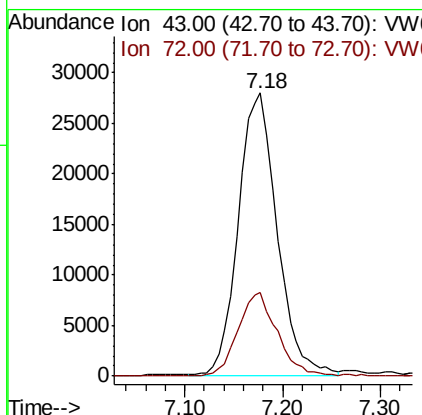
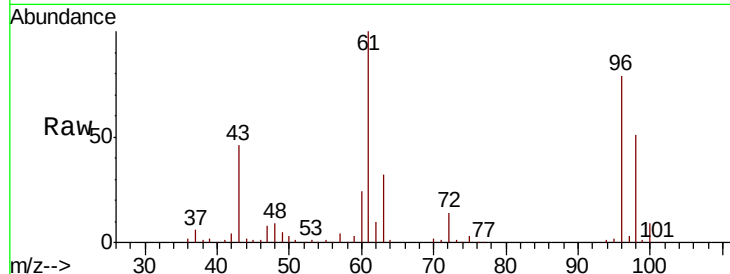




#22
2-Butanone
Concen: 55.226 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

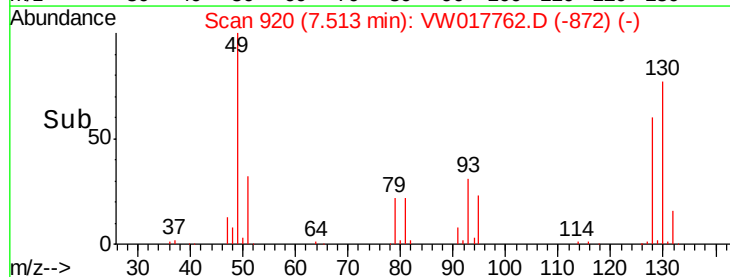
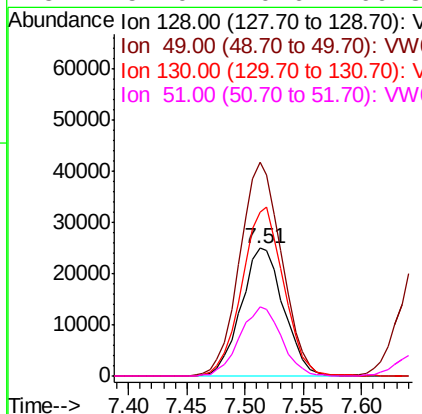
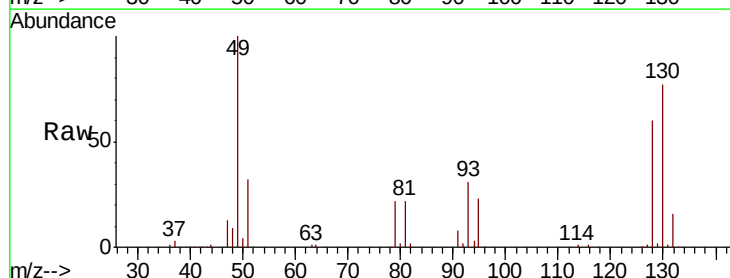
Instrument :
MSVOA_W
ClientSampleId :
VSTD025102

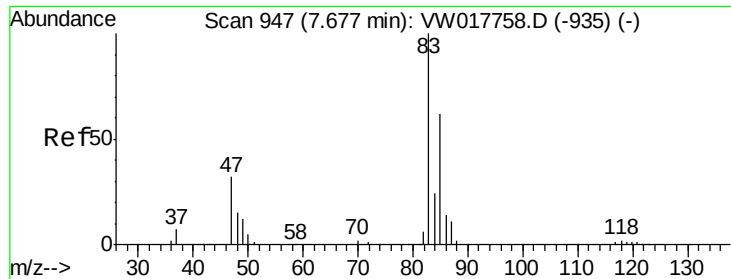
Tot Ion: 43 Resp: 77583
Ion Ratio Lower Upper
43 100
72 29.6 14.6 44.0



#23
Bromochloromethane
Concen: 25.948 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Tgt Ion: 128 Resp: 63449
Ion Ratio Lower Upper
128 100
49 167.6 111.2 206.6
130 128.3 91.9 170.7
51 54.0 40.6 60.8

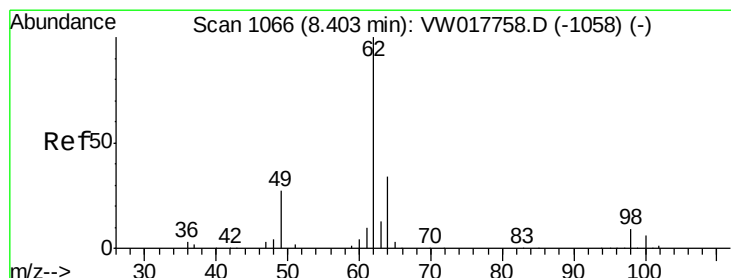
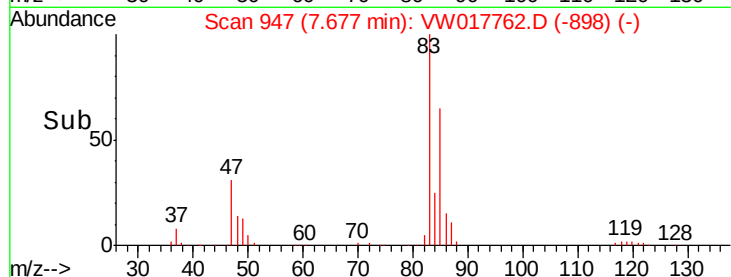
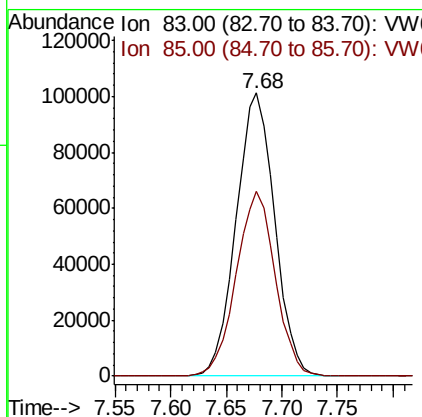
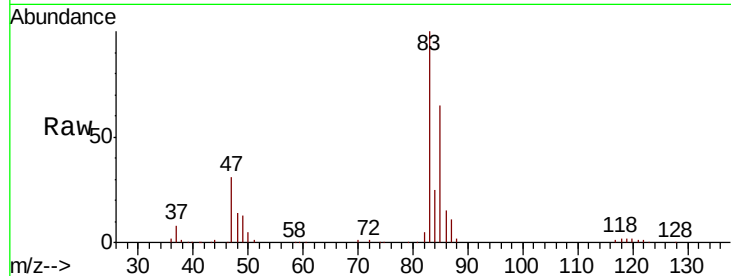




#25
Chloroform
Concen: 26.023 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

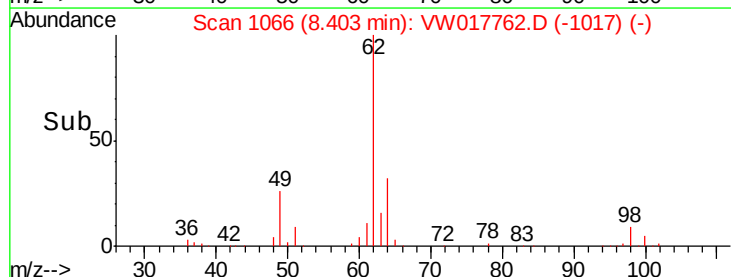
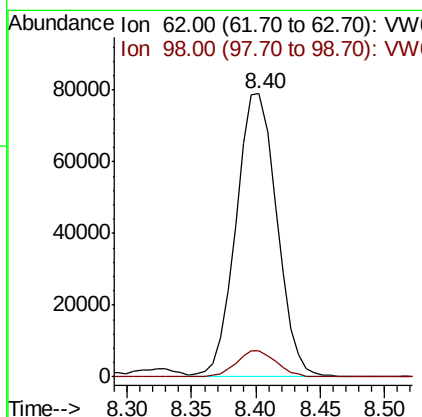
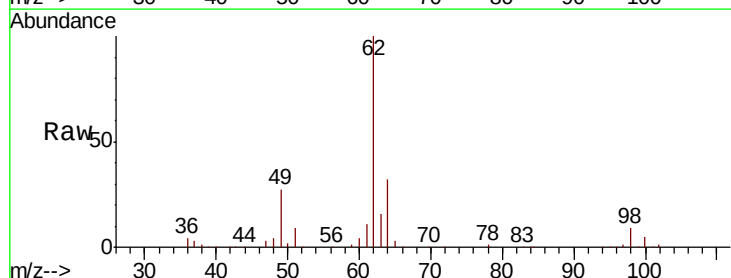
Instrument :
MSVOA_W
ClientSampleId :
VSTD025102

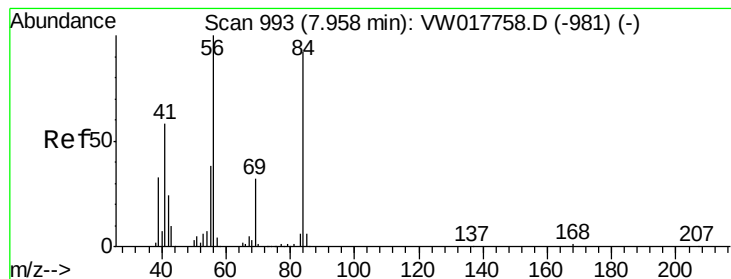
Tot Ion: 83 Resp: 243376
Ion Ratio Lower Upper
83 100
85 65.1 43.6 81.0



#27
1,2-Dichloroethane
Concen: 26.733 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Tgt Ion: 62 Resp: 174099
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2





#29

Cyclohexane

Concen: 25.530 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

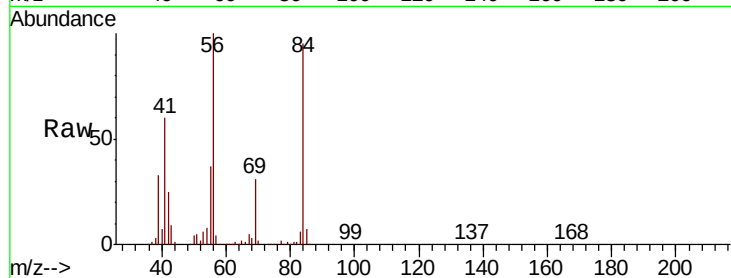
Tot Ion: 56 Resp: 212222

Ion Ratio Lower Upper

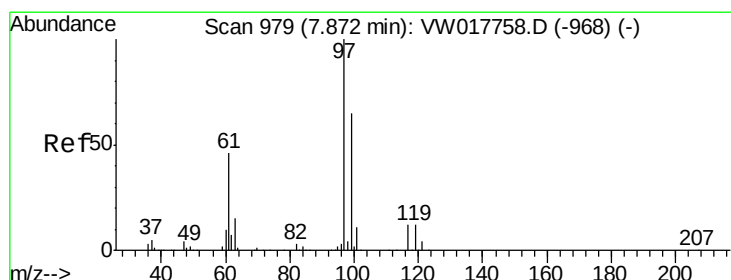
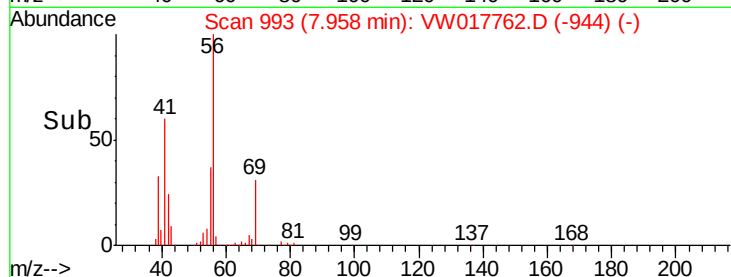
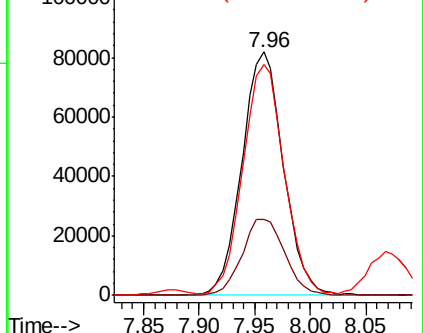
56 100

69 32.2 25.4 38.2

84 94.9 74.3 111.5



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



#30

1,1,1-Trichloroethane

Concen: 25.682 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

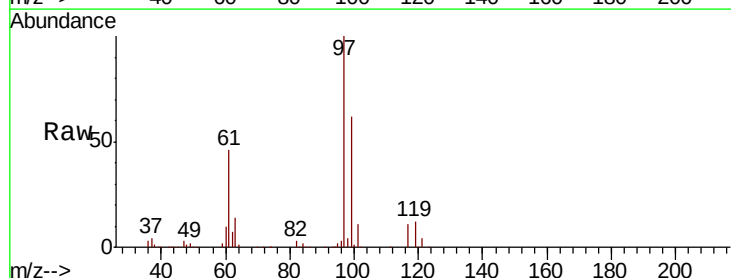
Tgt Ion: 97 Resp: 206551

Ion Ratio Lower Upper

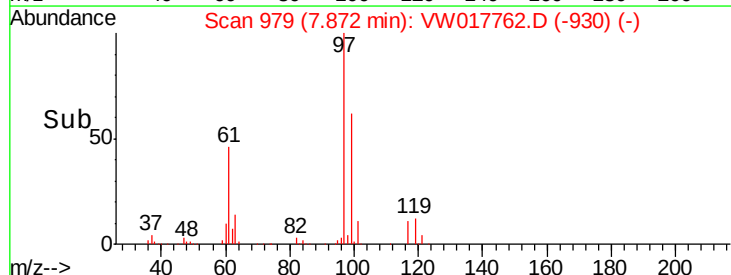
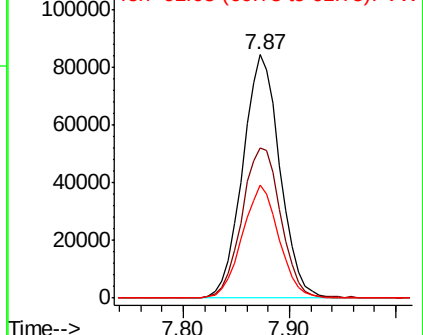
97 100

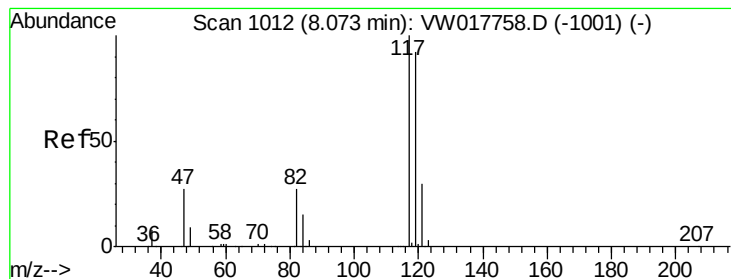
99 64.4 50.6 75.8

61 45.8 36.6 54.8



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





#31

Carbon tetrachloride

Concen: 25.415 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

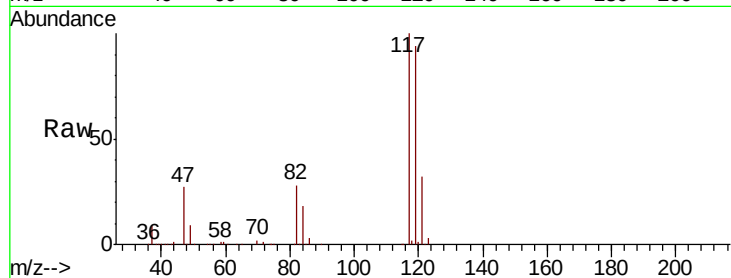
VSTD025102

Tot Ion:117 Resp: 194795

Ion Ratio Lower Upper

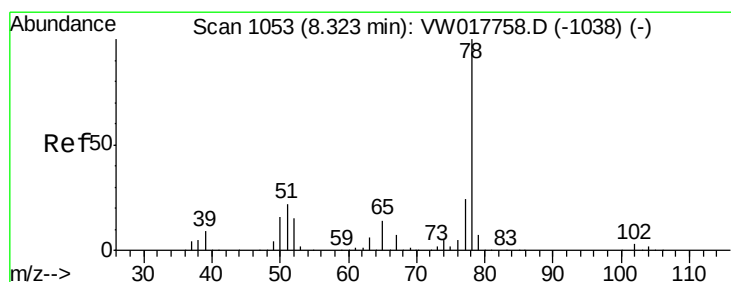
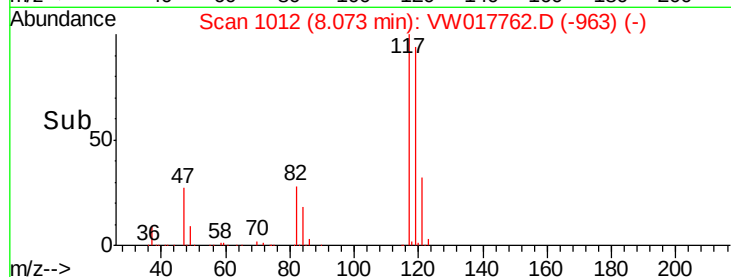
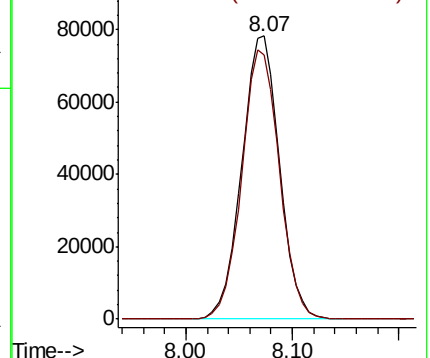
117 100

119 94.9 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: 25.838 ug/L

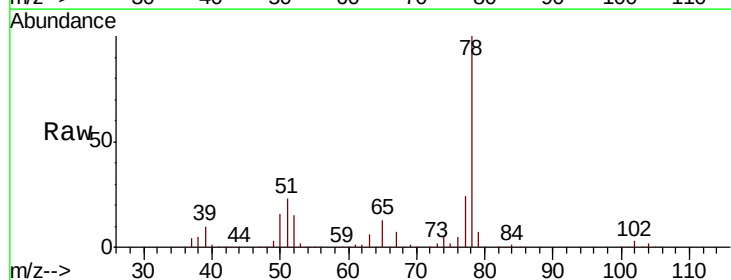
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

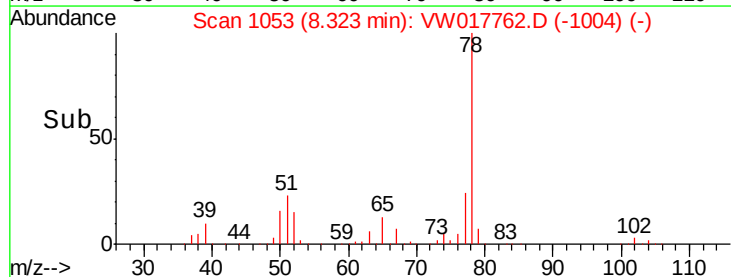
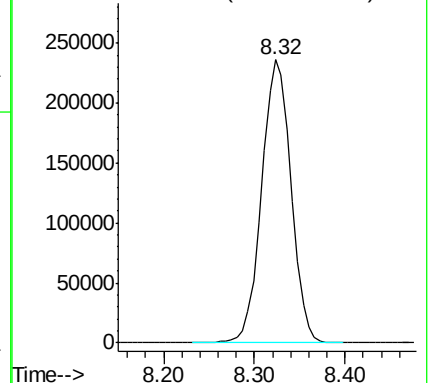
Lab File: VW017762.D

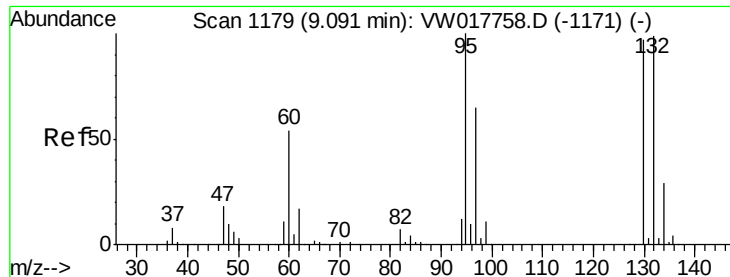
Acq: 28 Dec 2020 14:09

Tgt Ion: 78 Resp: 529248



Abundance Ion 78.00 (77.70 to 78.70): VW





#34

Trichloroethene

Concen: 25.890 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

Tot Ion: 95 Resp: 143671

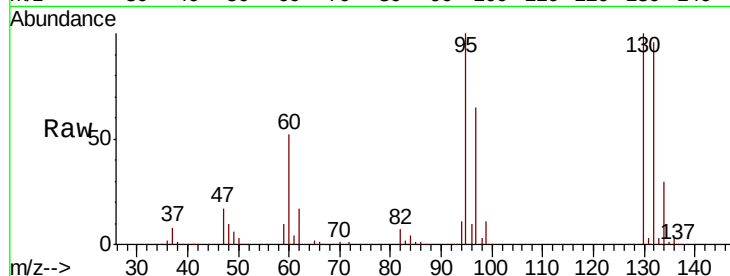
Ion Ratio Lower Upper

95 100

97 65.2 45.6 84.6

132 96.4 69.4 128.8

130 100.4 68.2 126.6



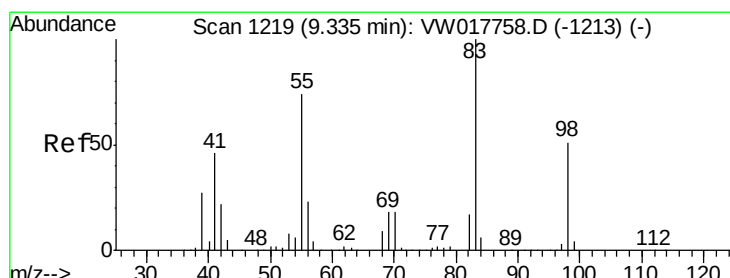
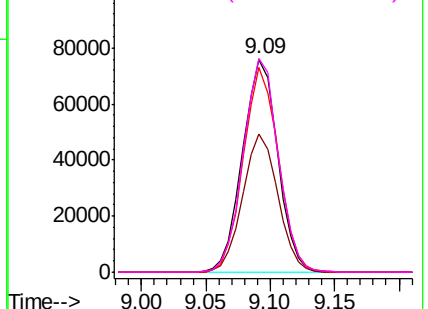
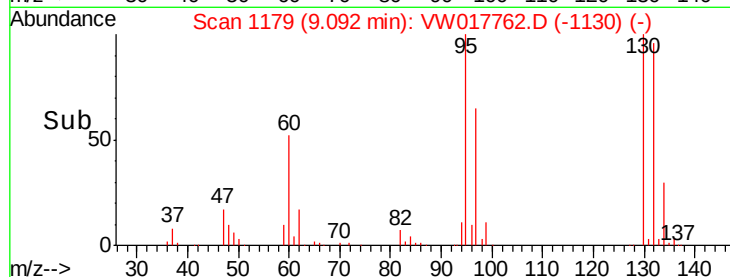
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 26.529 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

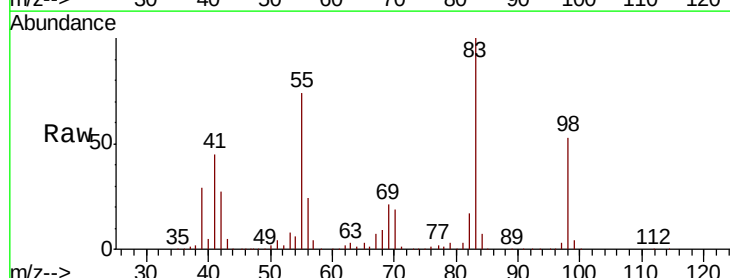
Tgt Ion: 83 Resp: 252088

Ion Ratio Lower Upper

83 100

55 73.0 58.6 88.0

98 50.8 40.5 60.7

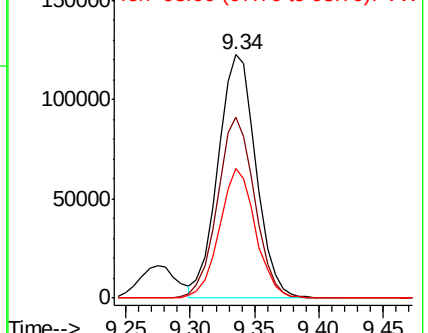
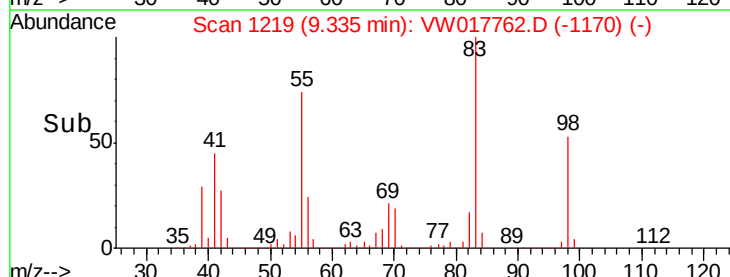


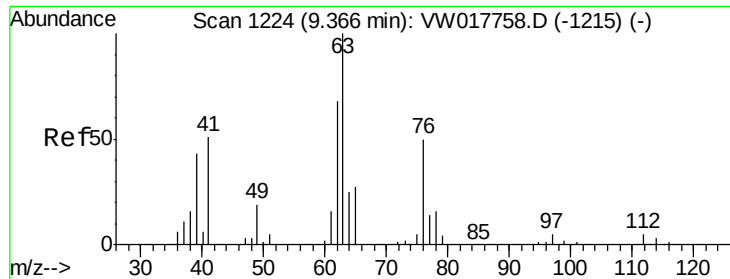
Abundance

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

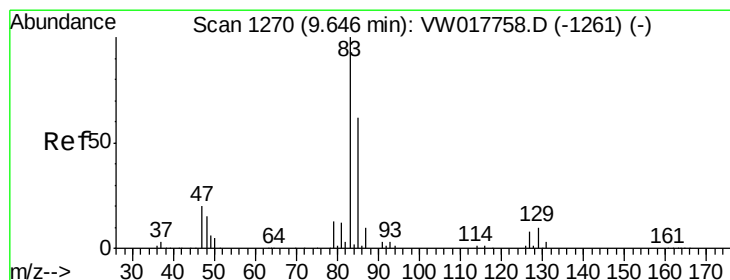
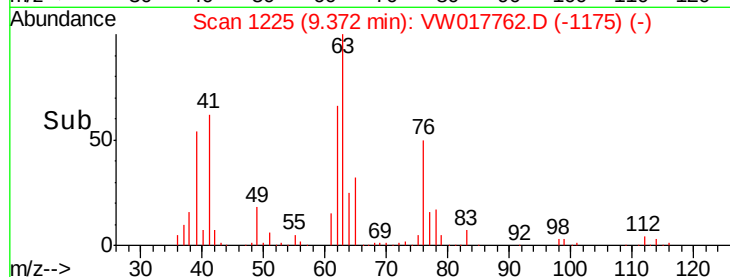
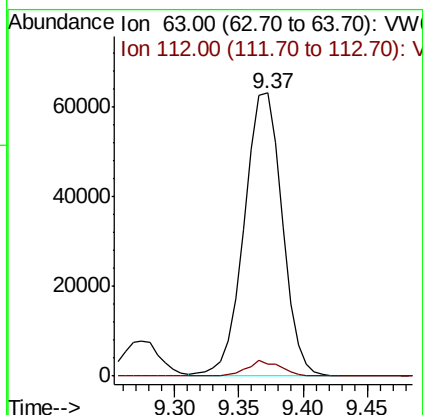
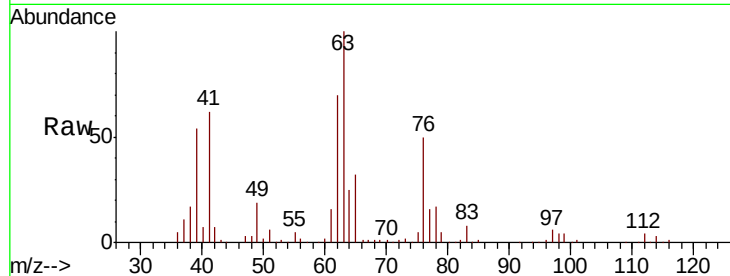




#37
 1,2-Dichloropropane
 Concen: 25.846 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

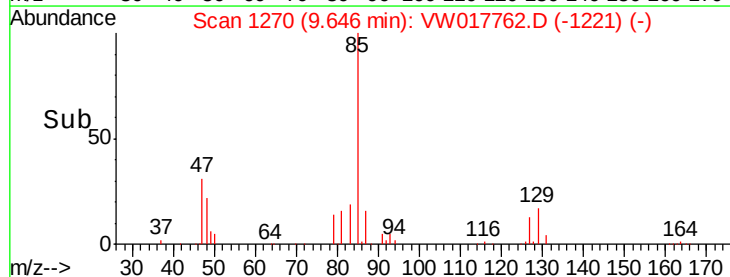
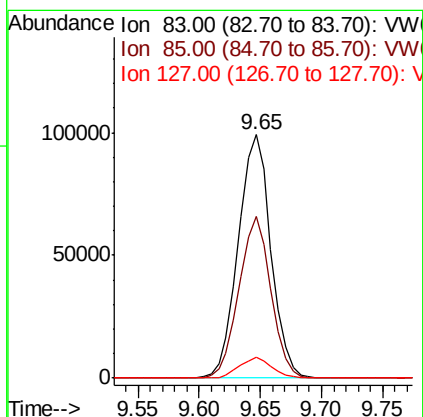
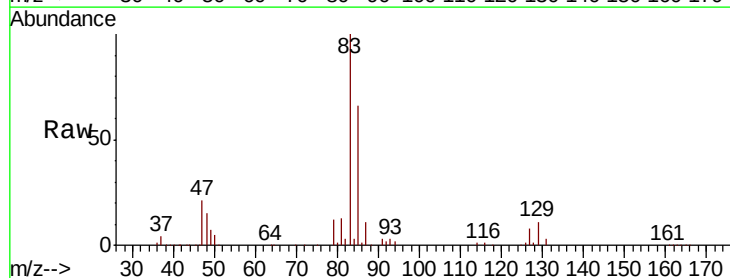
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

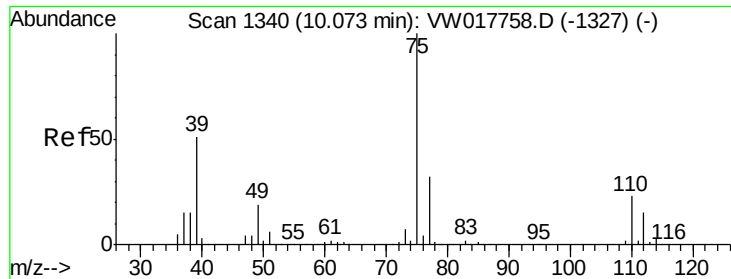
Tot Ion: 63 Resp: 128317
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 26.217 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Tgt Ion: 83 Resp: 183693
 Ion Ratio Lower Upper
 83 100
 85 66.3 43.0 80.0
 127 8.5 6.1 9.1

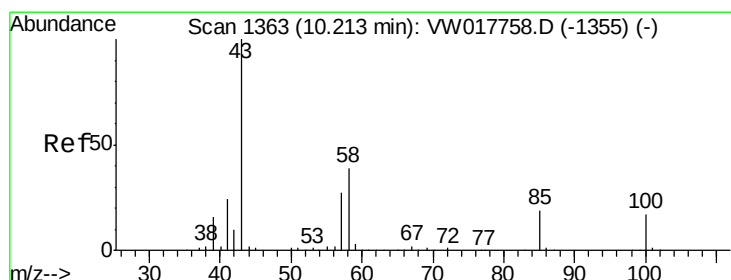
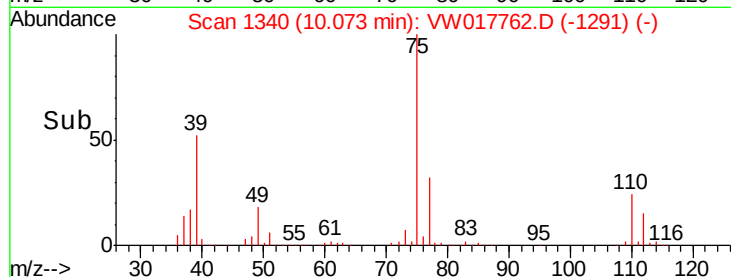
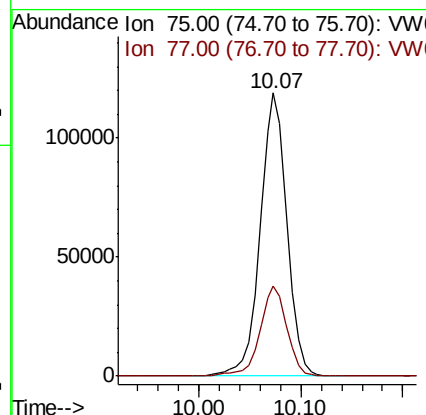
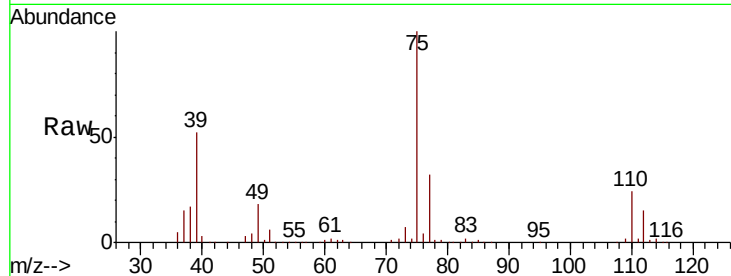




#39
 cis-1,3-Dichloropropene
 Concen: 26.659 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

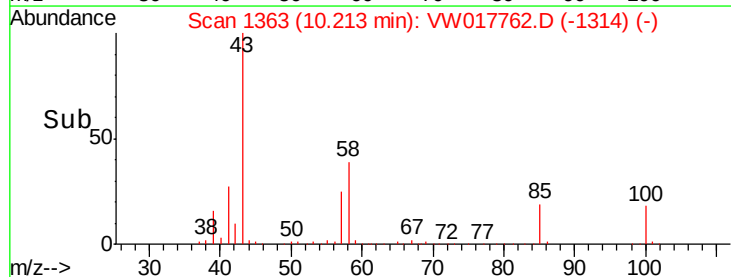
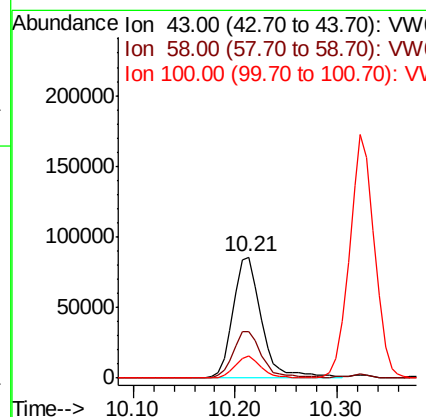
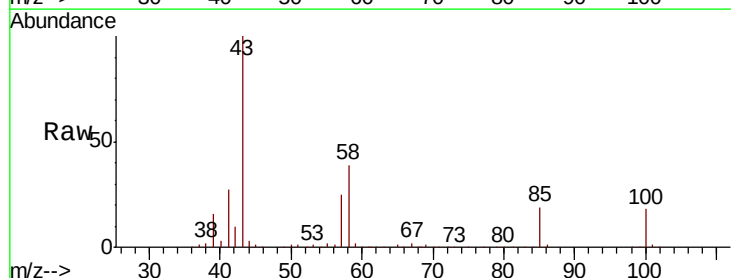
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

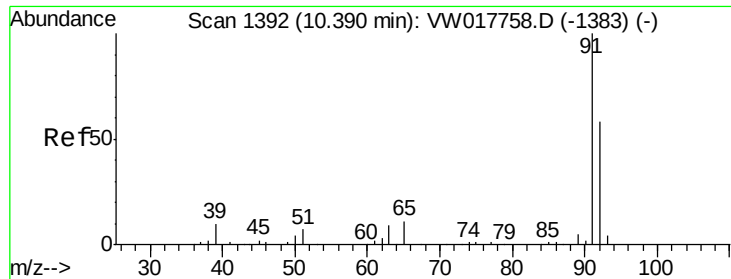
Tot Ion: 75 Resp: 217514
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 55.134 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Tgt Ion: 43 Resp: 165758
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.3 45.5
 100 16.9 12.8 19.2





#42

Toluene

Concen: 26.176 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

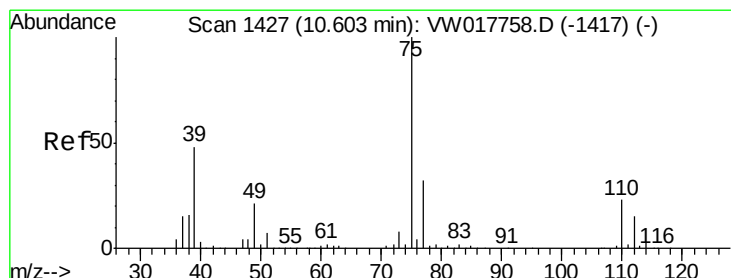
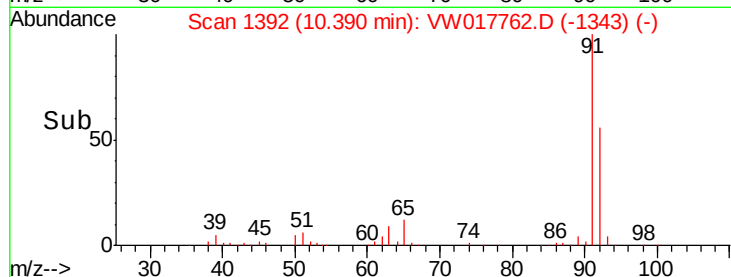
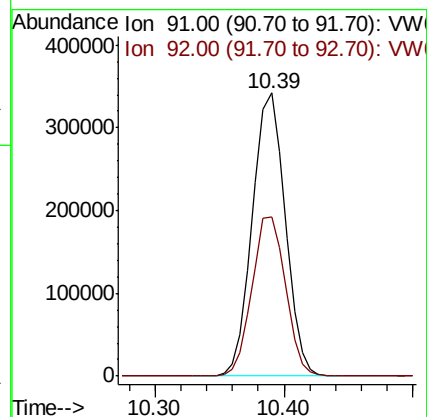
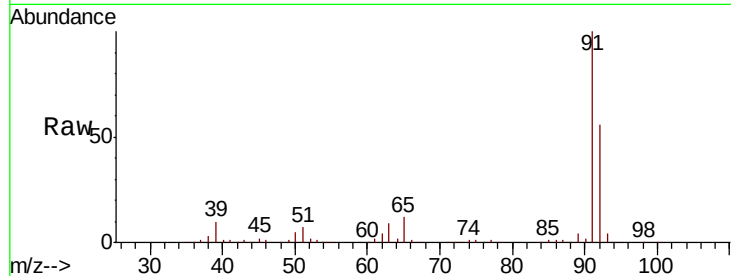
VSTD025102

Tot Ion: 91 Resp: 604053

Ion Ratio Lower Upper

91 100

92 56.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 26.711 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017762.D

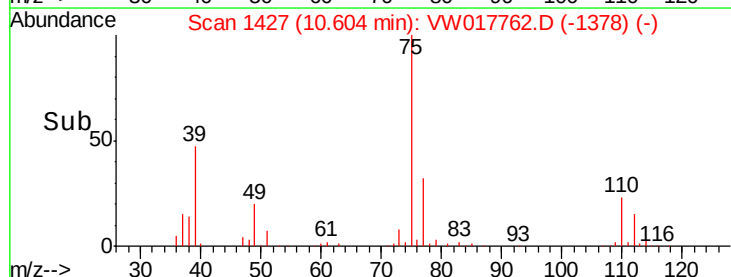
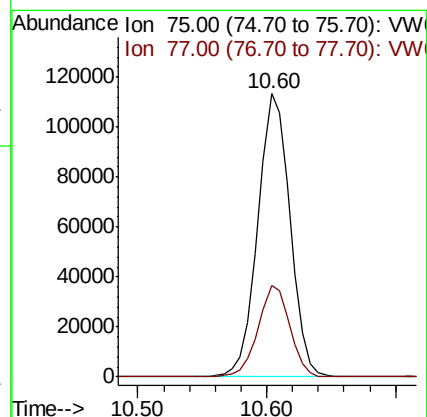
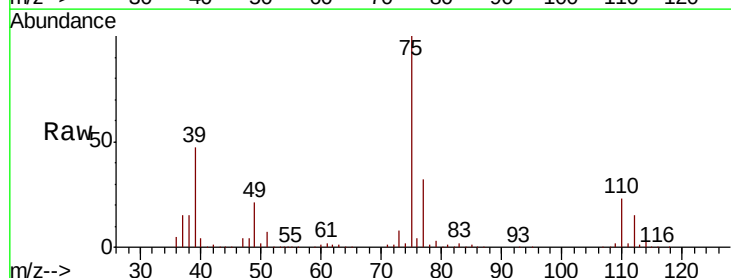
Acq: 28 Dec 2020 14:09

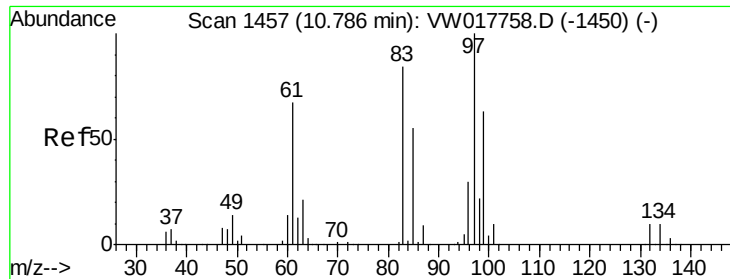
Tgt Ion: 75 Resp: 195786

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 26.315 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

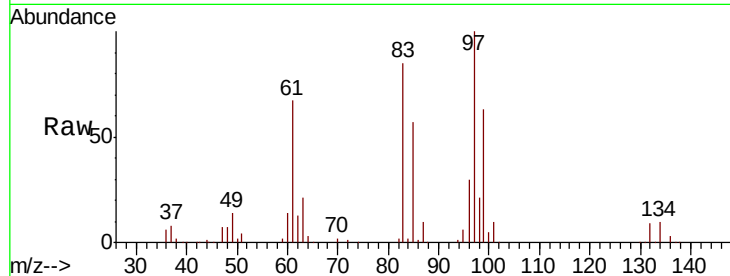
MSVOA_W

ClientSampleId :

VSTD025102

Tot Ion: 97 Resp: 104754

Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.8
83	85.4	59.1	109.9
85	56.6	38.9	72.3



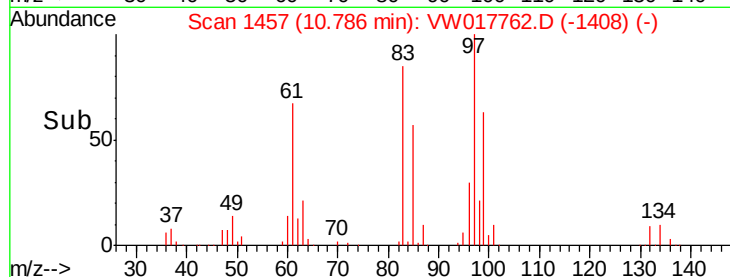
Abundance

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



Time-->

10.79

80000

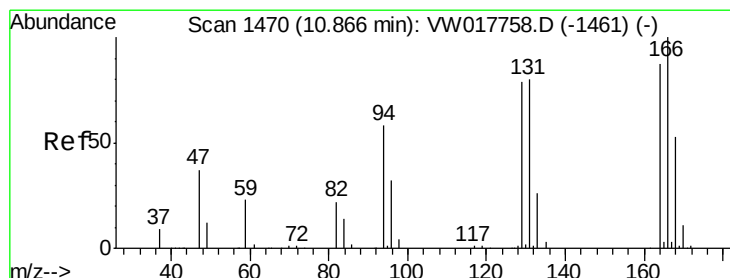
60000

40000

20000

0

10.70 10.75 10.80 10.85



#46

Tetrachloroethene

Concen: 26.775 ug/L

RT: 10.87 min Scan# 1470

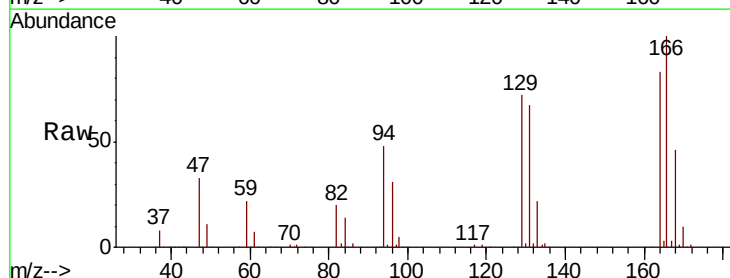
Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Tgt Ion: 164 Resp: 114839

Ion	Ratio	Lower	Upper
164	100		
129	86.4	63.3	117.7
131	80.2	63.8	118.6
166	120.0	80.3	149.1



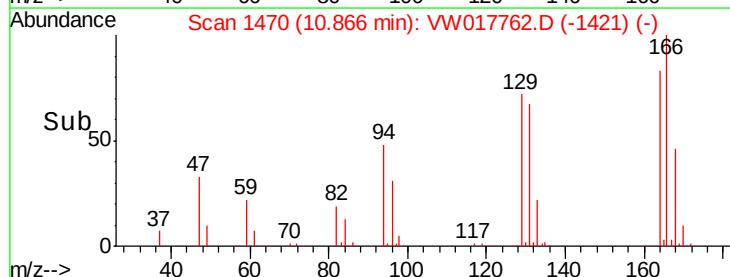
Abundance

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



Time-->

10.87

120000

100000

80000

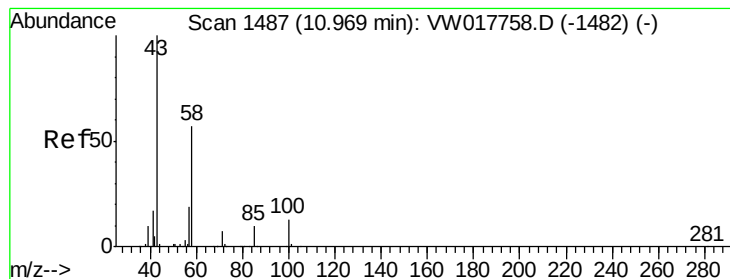
60000

40000

20000

0

10.80 10.85 10.90 10.95



#48

2-Hexanone

Concen: 58.503 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

Tot Ion: 43 Resp: 120360

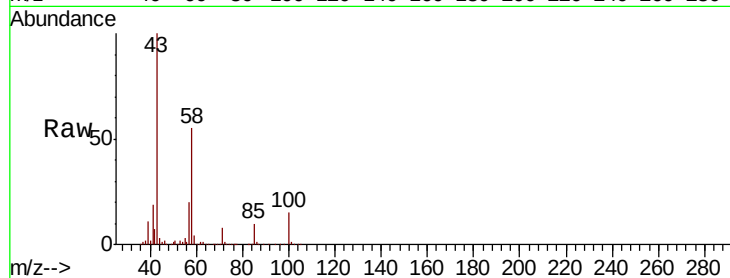
Ion Ratio Lower Upper

43 100

58 53.7 46.8 70.2

57 19.7 14.6 22.0

100 13.3 11.7 17.5

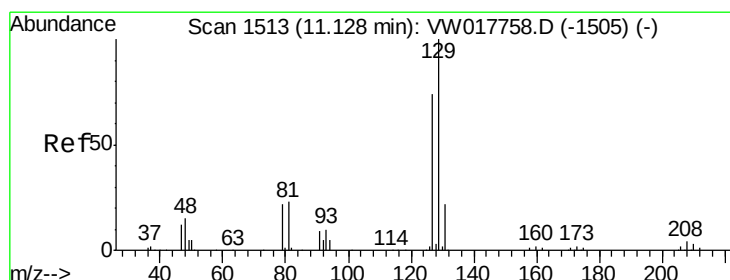
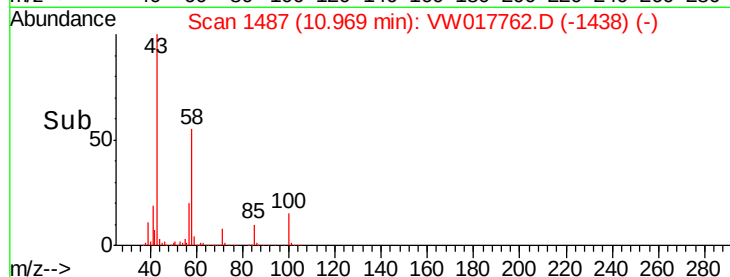
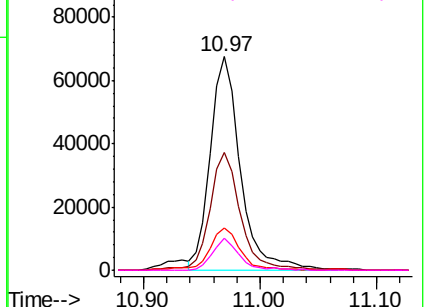


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#49

Dibromochloromethane

Concen: 26.523 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017762.D

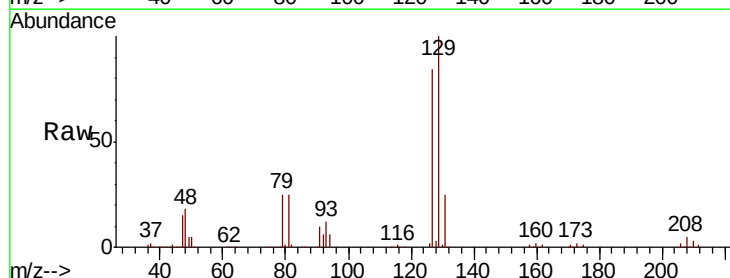
Acq: 28 Dec 2020 14:09

Tgt Ion: 129 Resp: 125861

Ion Ratio Lower Upper

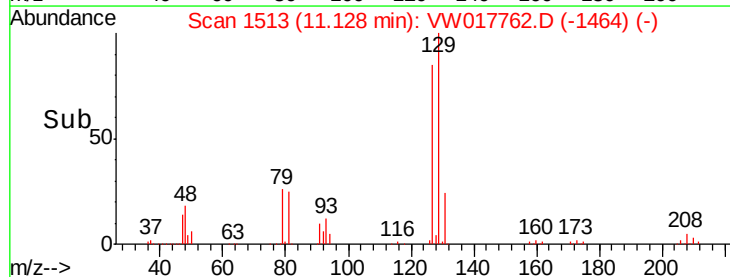
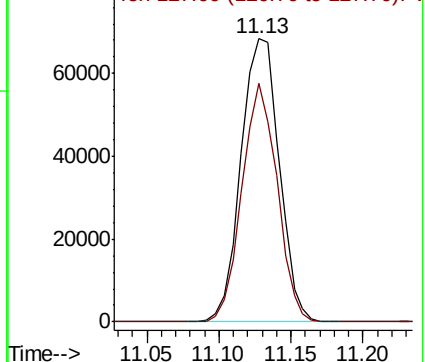
129 100

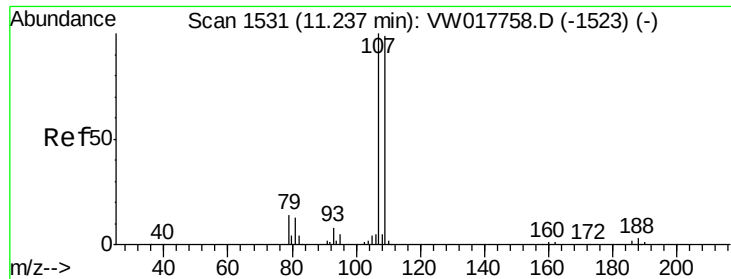
127 84.2 51.6 95.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

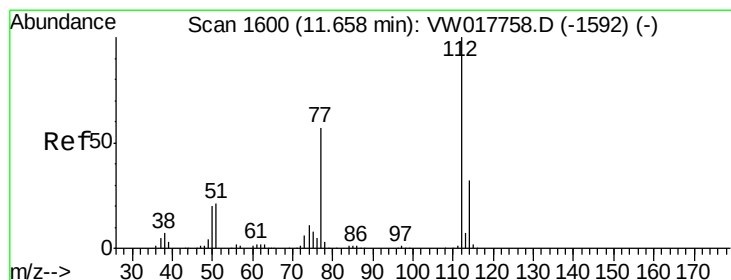
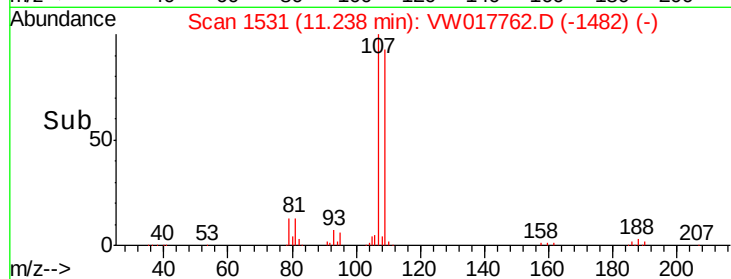
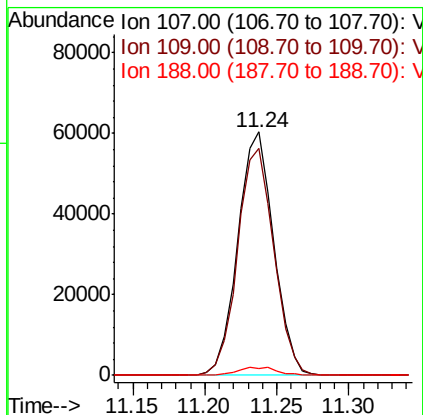
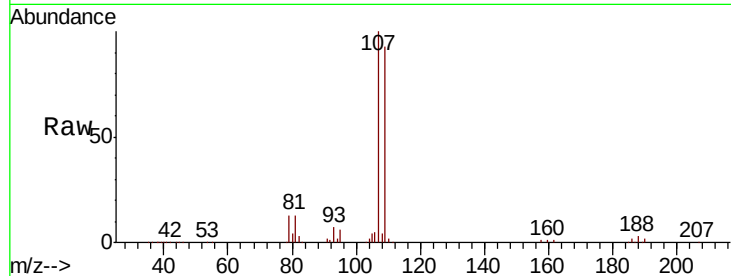




#50
1,2-Dibromoethane
Concen: 26.905 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

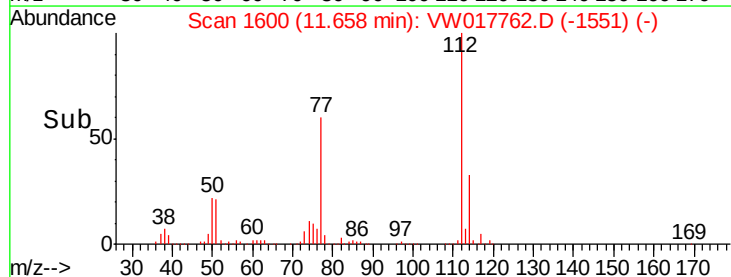
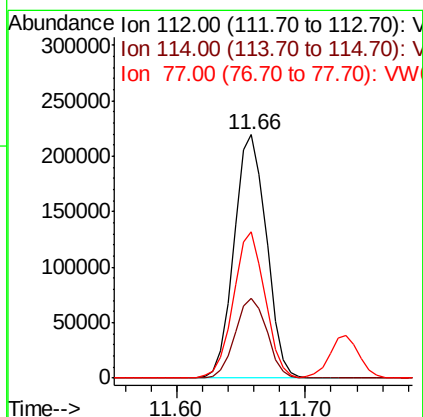
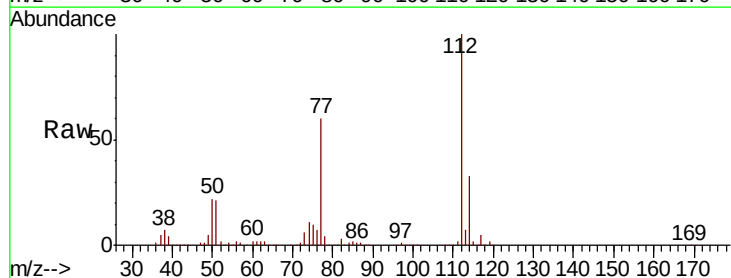
Instrument :
MSVOA_W
ClientSampleId :
VSTD025102

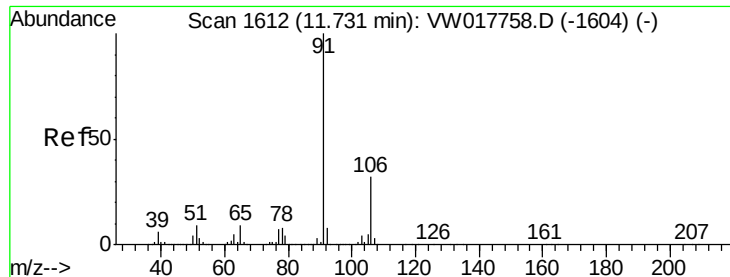
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	69.3	128.7
188	3.0	2.7	4.1



#51
Chlorobenzene
Concen: 26.098 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.3
77	60.2	45.8	68.6





#52

Ethylbenzene

Concen: 26.596 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

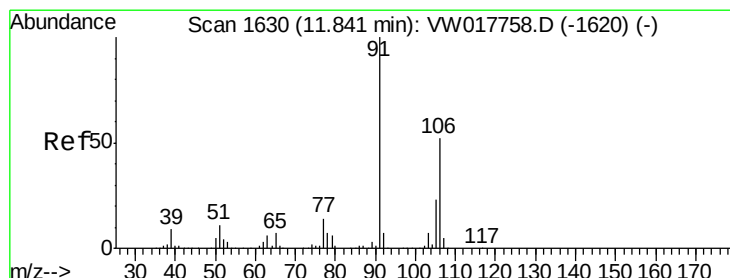
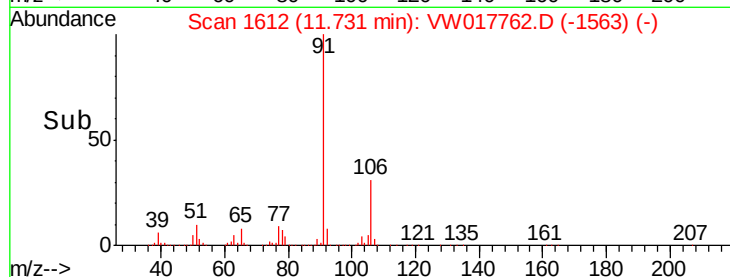
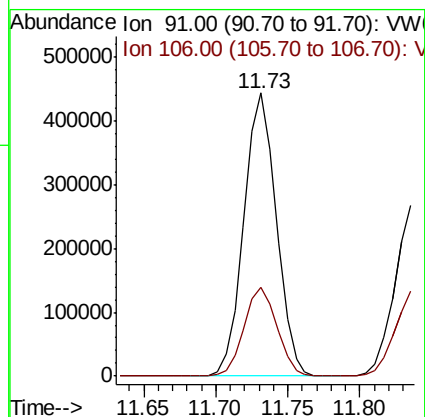
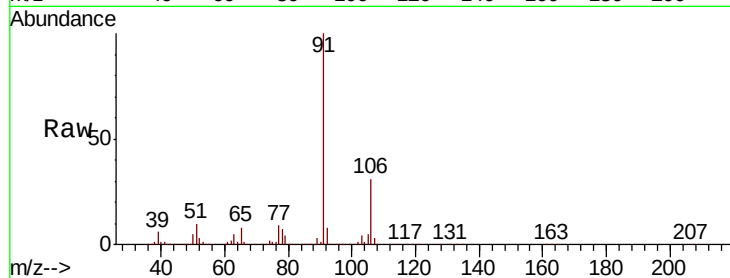
VSTD025102

Tot Ion: 91 Resp: 693748

Ion Ratio Lower Upper

91 100

106 31.3 22.7 42.1



#53

m,p-Xylene

Concen: 26.711 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017762.D

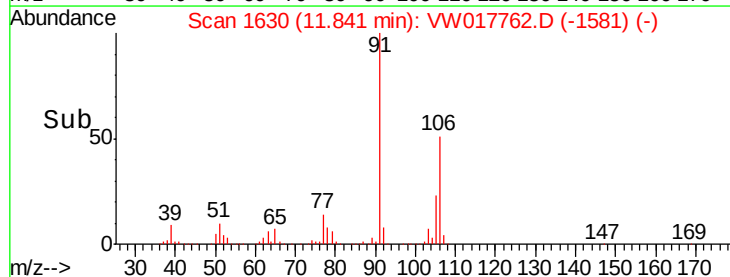
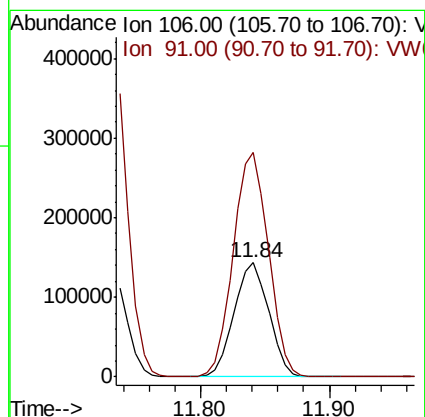
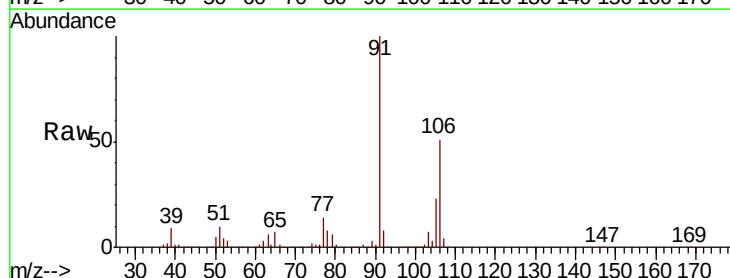
Acq: 28 Dec 2020 14:09

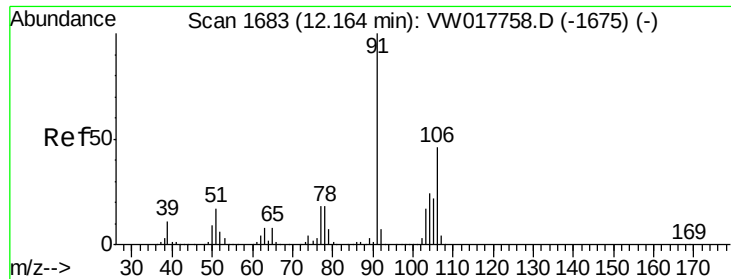
Tgt Ion: 106 Resp: 269028

Ion Ratio Lower Upper

106 100

91 196.2 135.6 251.8

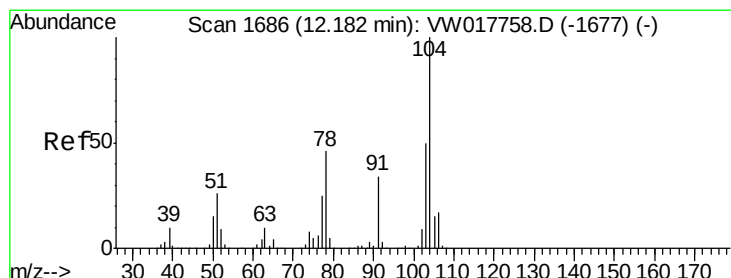
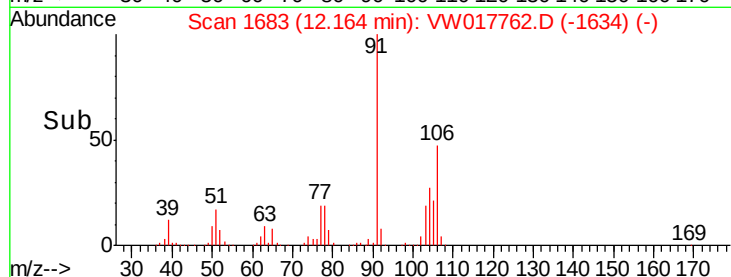
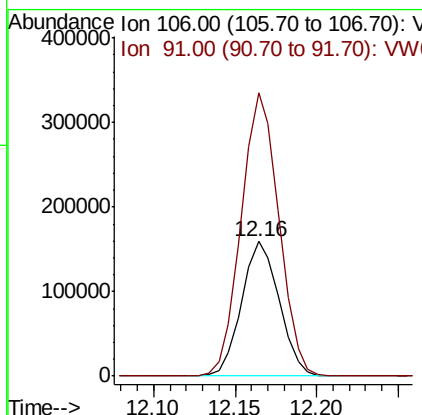
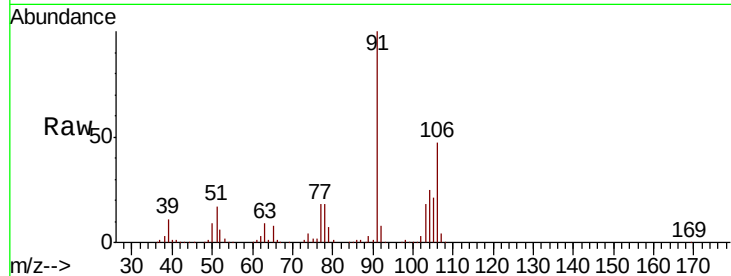




#54
o-Xylene
Concen: 26.620 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

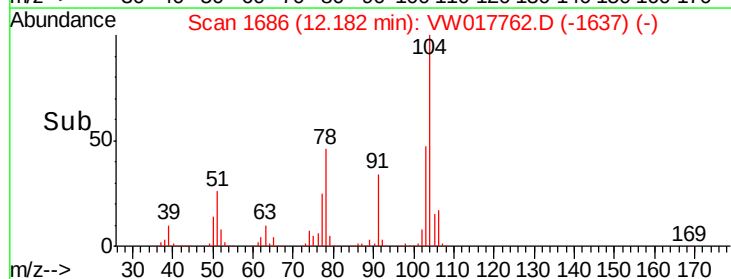
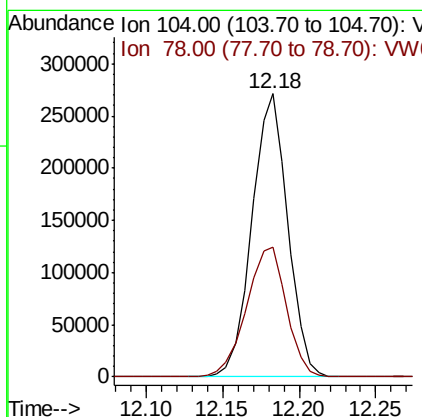
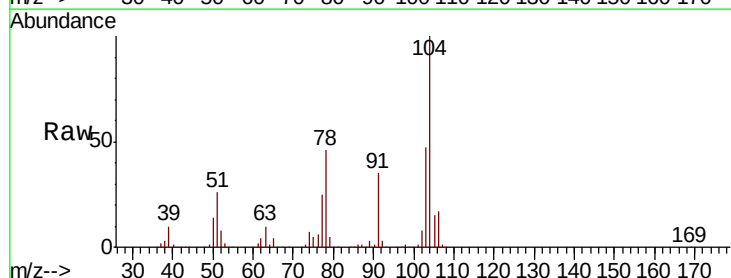
Instrument :
MSVOA_W
ClientSampled :
VSTD025102

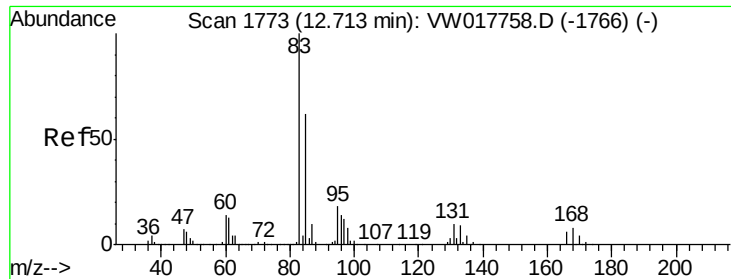
Tot Ion:106 Resp: 255757
Ion Ratio Lower Upper
106 100
91 210.8 152.2 282.6



#55
Styrene
Concen: 26.819 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Tgt Ion:104 Resp: 441114
Ion Ratio Lower Upper
104 100
78 45.9 31.9 59.3

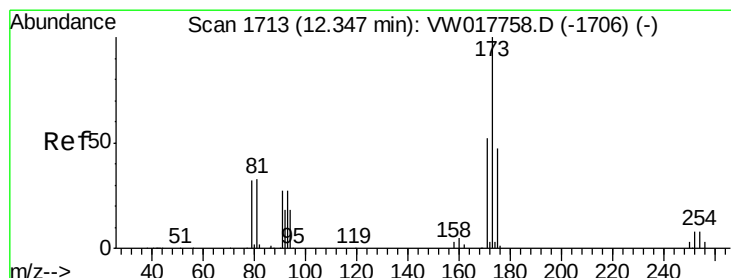
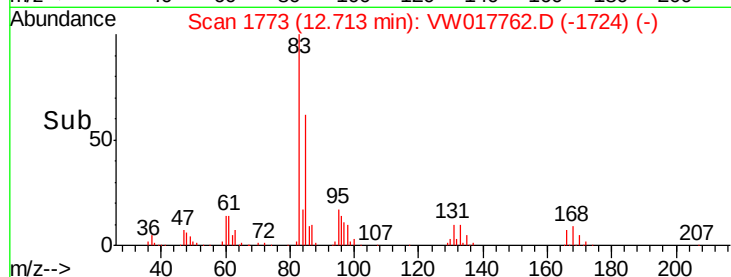
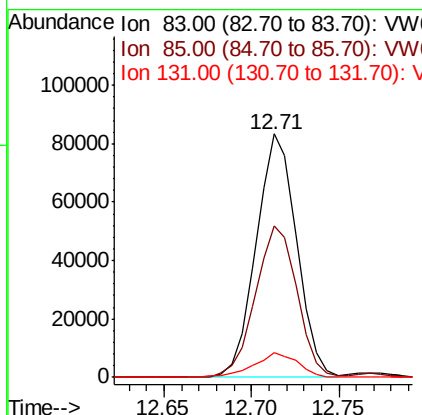
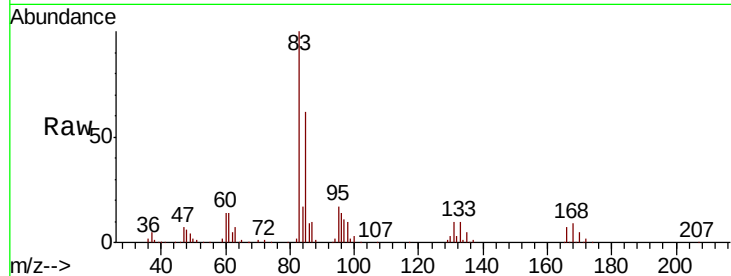




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.035 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

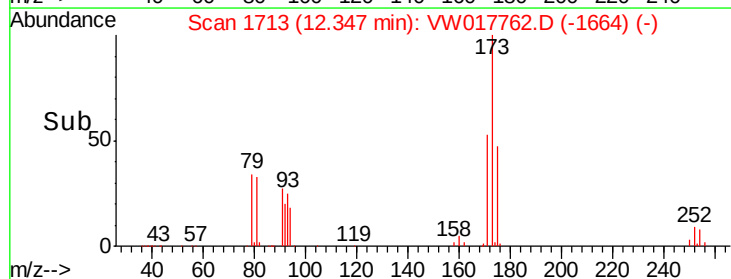
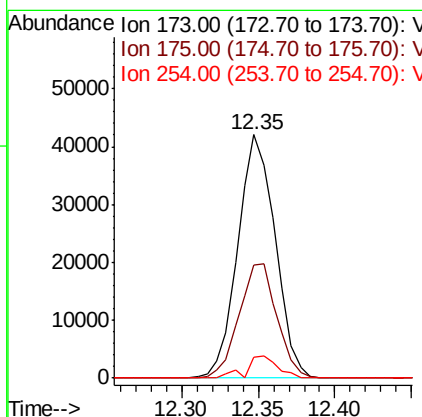
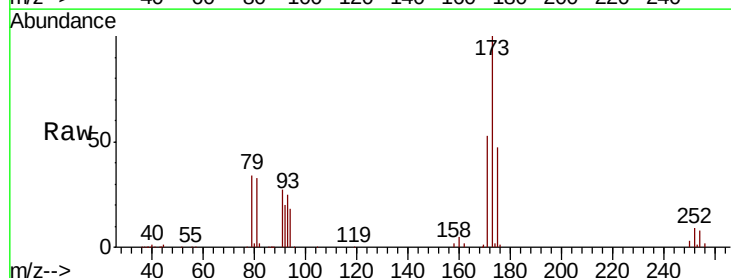
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

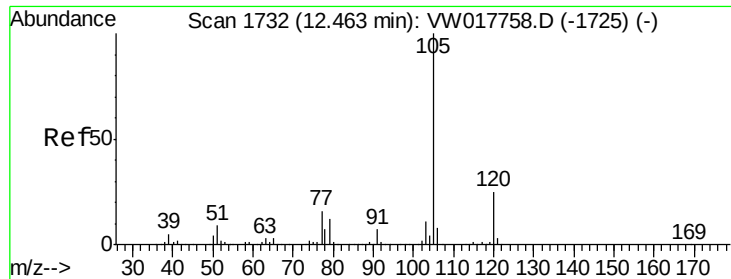
Tot Ion: 83 Resp: 134016
 Ion Ratio Lower Upper
 83 100
 85 62.3 43.5 80.7
 131 10.3 8.2 12.2



#59
 Bromoform
 Concen: 27.056 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Tgt Ion: 173 Resp: 71308
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.0 57.0
 254 6.3 4.8 7.2





#60

Isopropylbenzene

Concen: 26.500 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025102

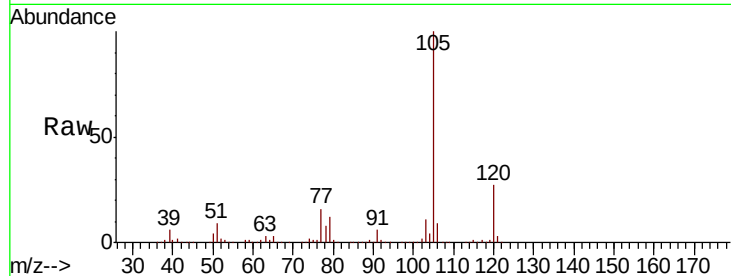
Tot Ion:105 Resp: 703242

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

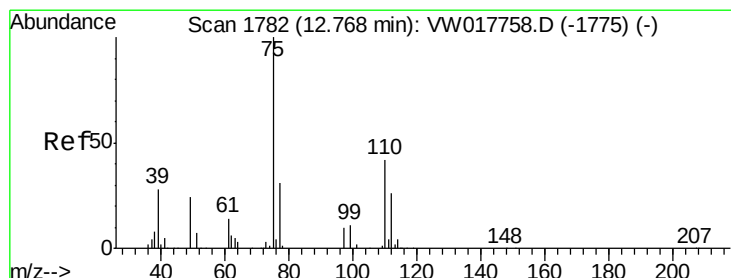
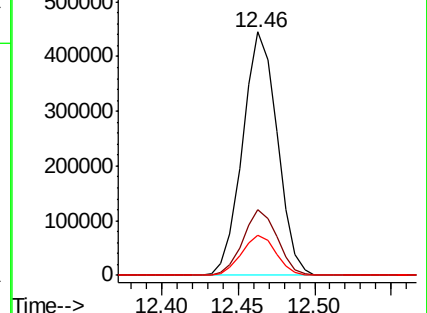
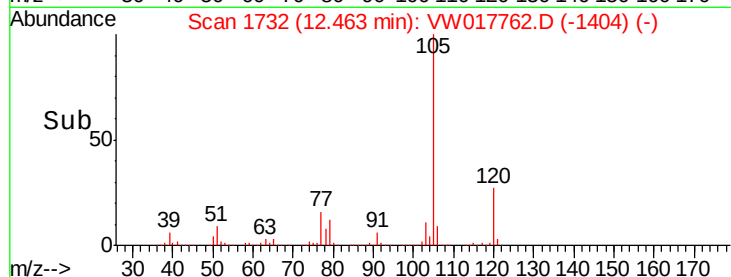
77 16.2 12.9 19.3



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: 26.531 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

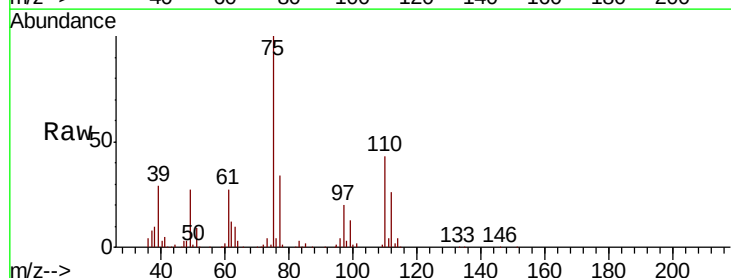
Tgt Ion: 75 Resp: 97378

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

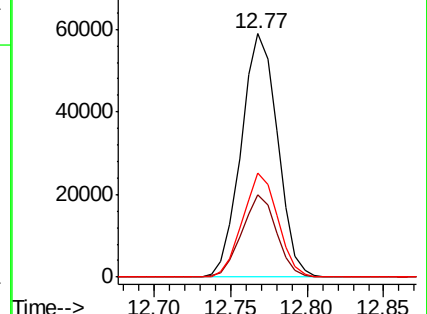
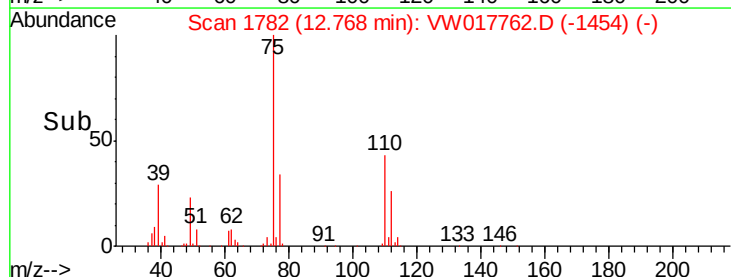
110 41.3 33.0 49.6

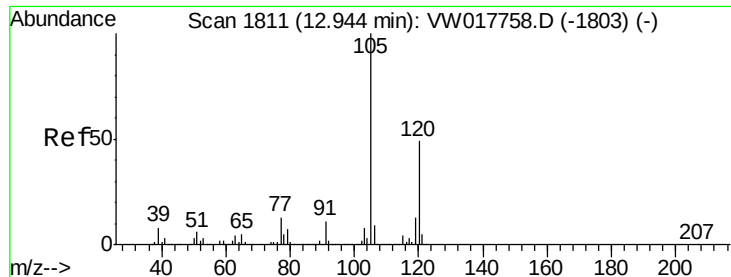


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 26.816 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW017762.D

Acq: 28 Dec 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

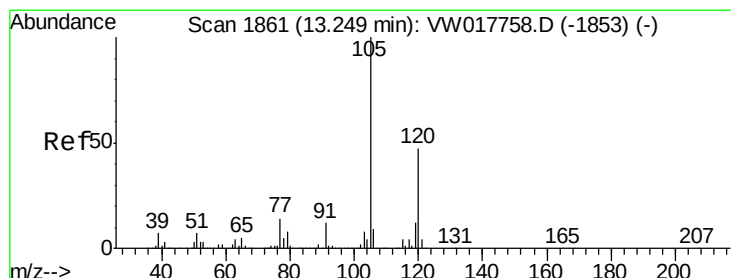
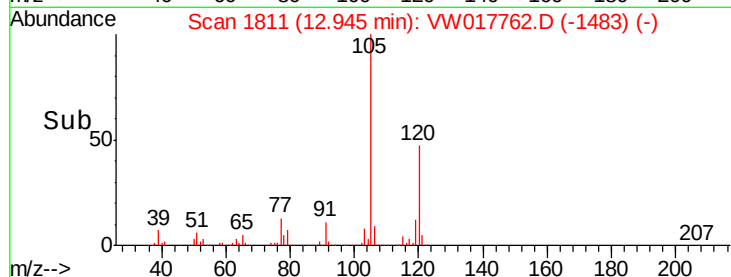
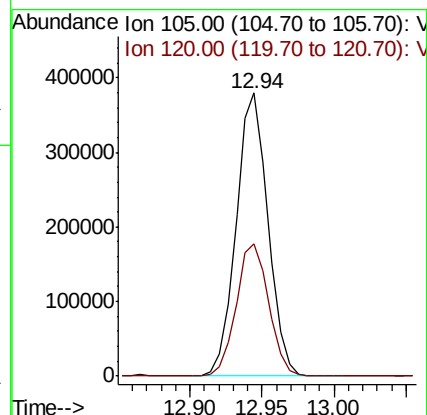
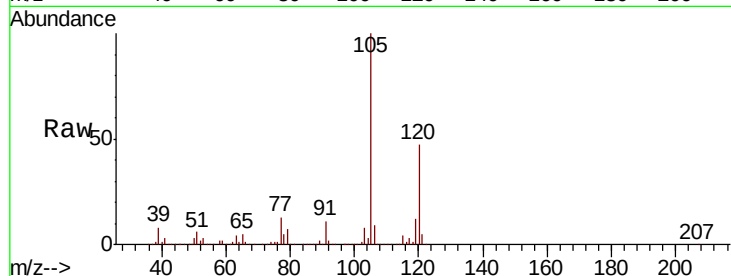
VSTD025102

Tot Ion:105 Resp: 582567

Ion Ratio Lower Upper

105 100

120 47.7 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 26.899 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW017762.D

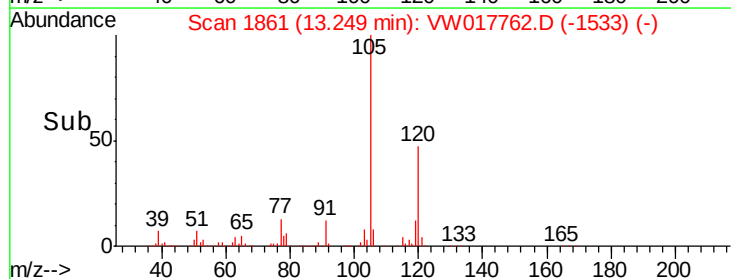
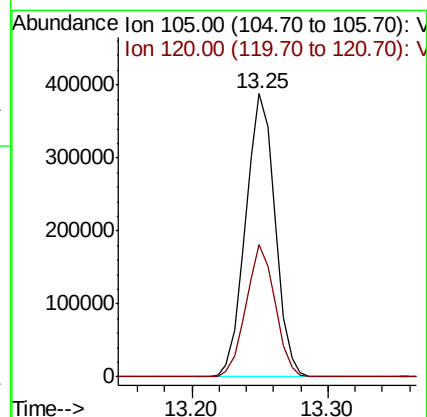
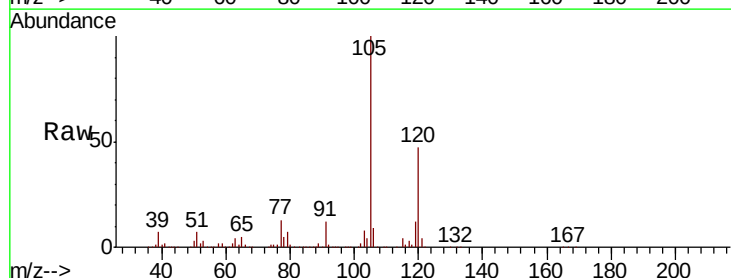
Acq: 28 Dec 2020 14:09

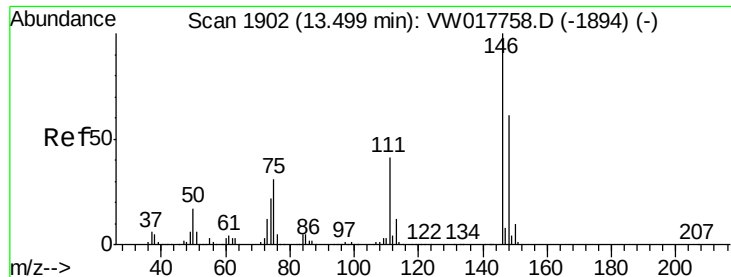
Tgt Ion:105 Resp: 588144

Ion Ratio Lower Upper

105 100

120 45.9 37.5 56.3

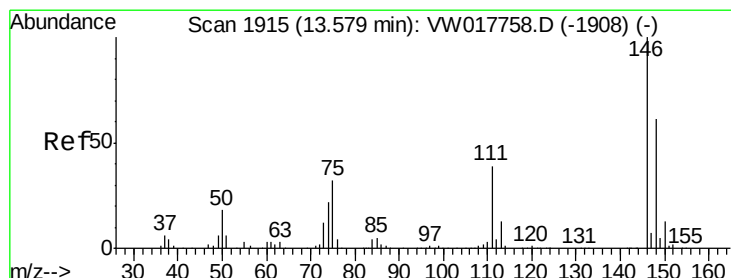
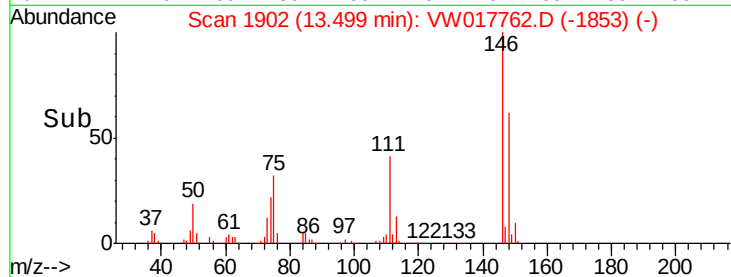
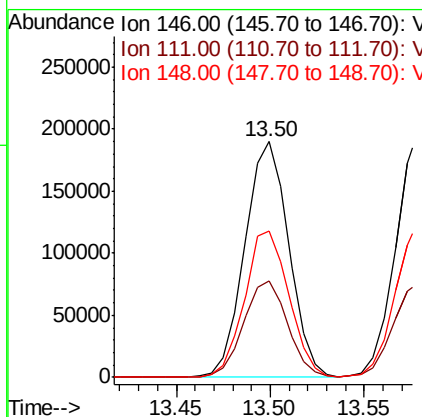
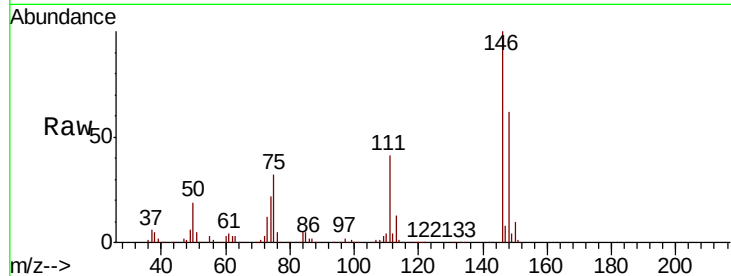




#64
 1,3-Dichlorobenzene
 Concen: 26.727 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

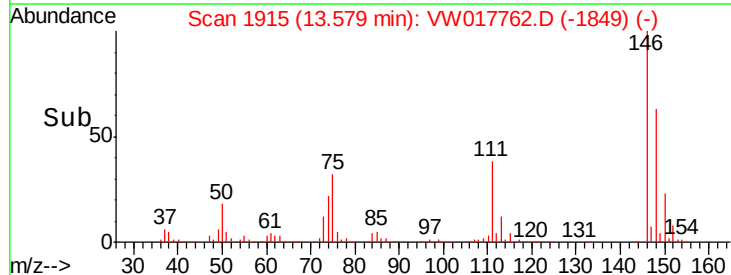
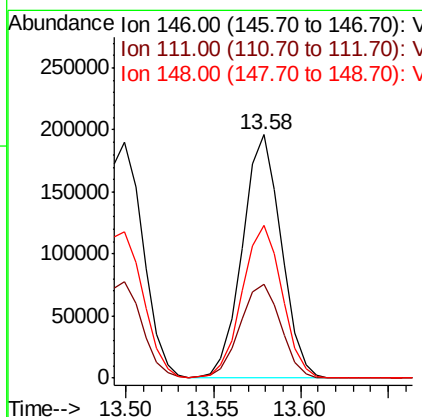
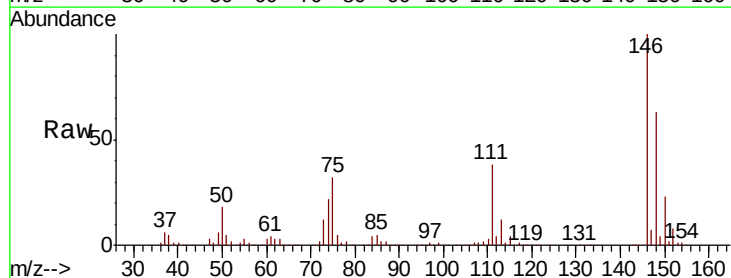
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

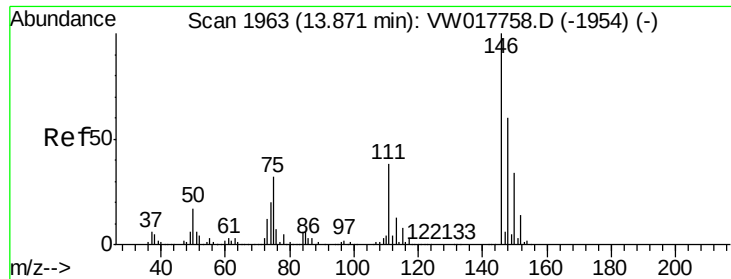
Tot Ion:146 Resp: 307500
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.8 53.6
 148 62.2 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 26.593 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Tgt Ion:146 Resp: 305507
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.6 51.2
 148 62.9 42.4 78.6

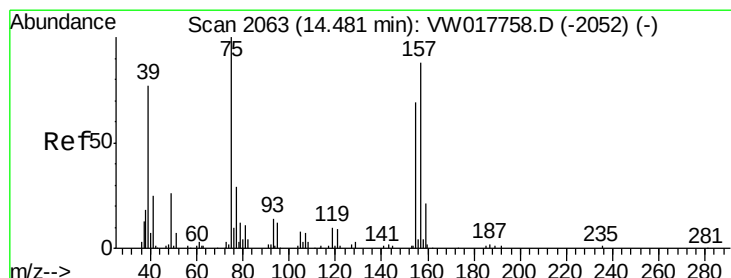
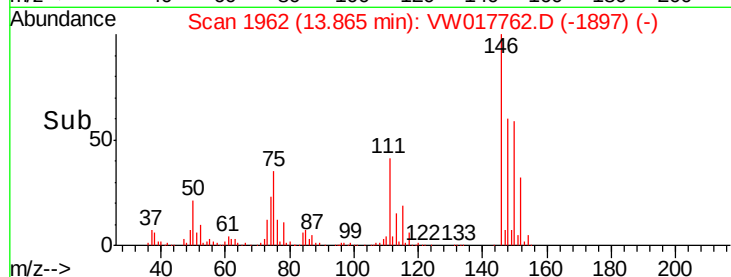
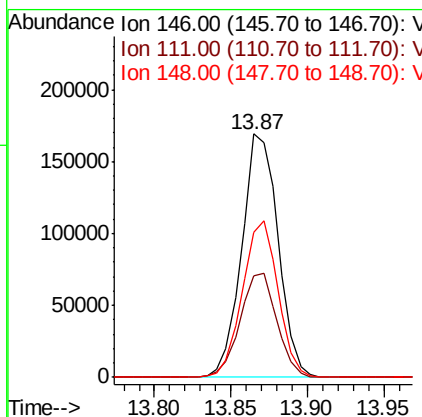
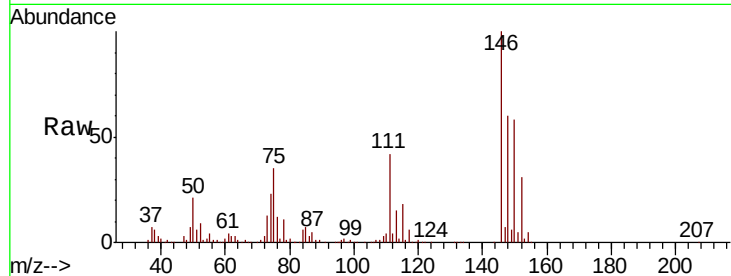




#67
 1,2-Dichlorobenzene
 Concen: 26.579 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

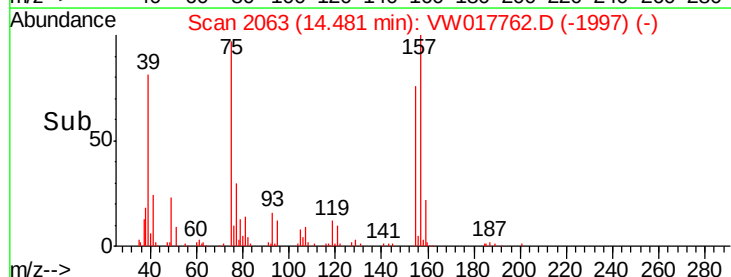
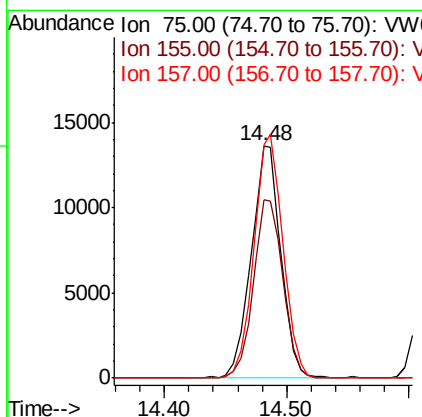
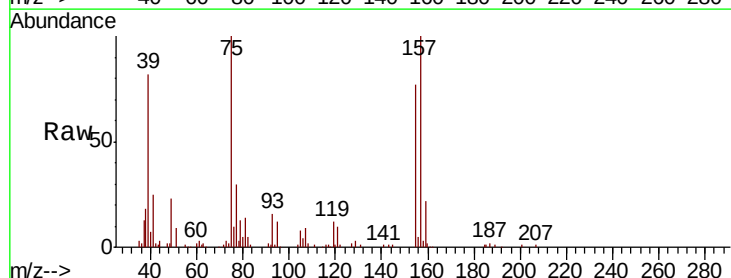
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

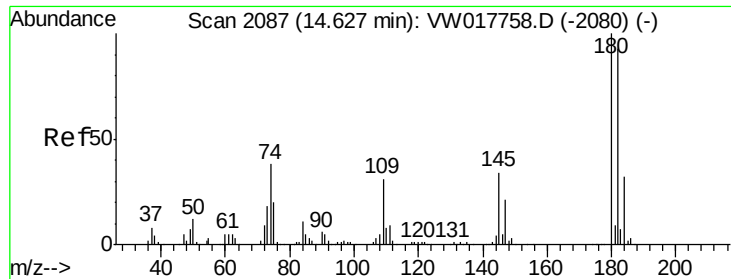
Tot Ion:146 Resp: 279375
 Ion Ratio Lower Upper
 146 100
 111 41.7 30.6 45.8
 148 59.8 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 27.328 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Tgt Ion: 75 Resp: 22903
 Ion Ratio Lower Upper
 75 100
 155 76.7 54.9 82.3
 157 100.2 70.4 105.6

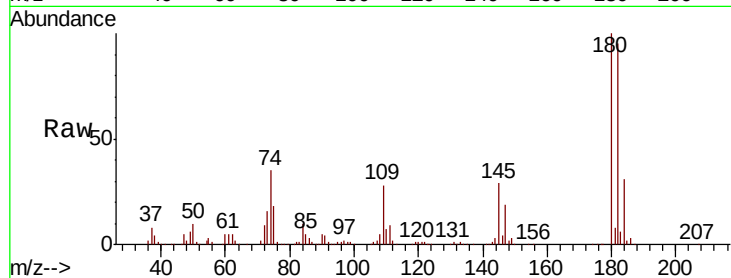




#69
 1,3,5-Trichlorobenzene
 Concen: 26.379 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025102

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.1	114.1
184	31.4	24.2	36.4
145	31.7	25.6	38.4



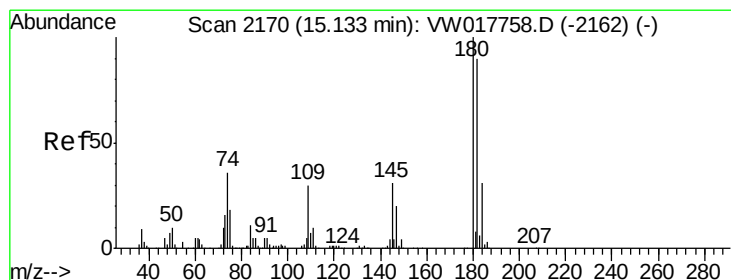
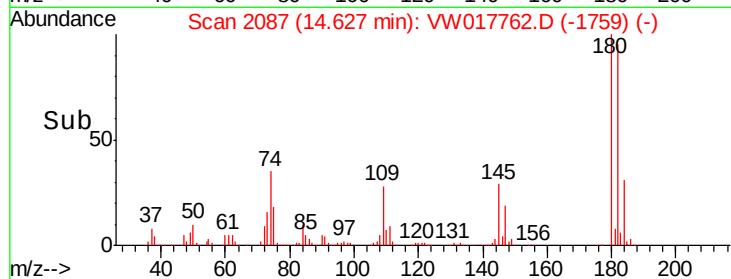
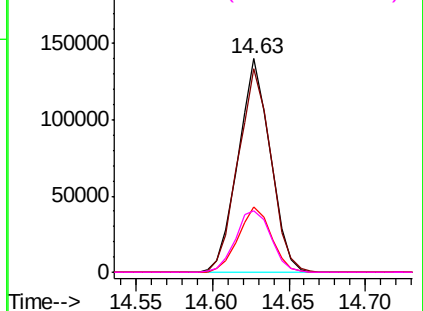
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

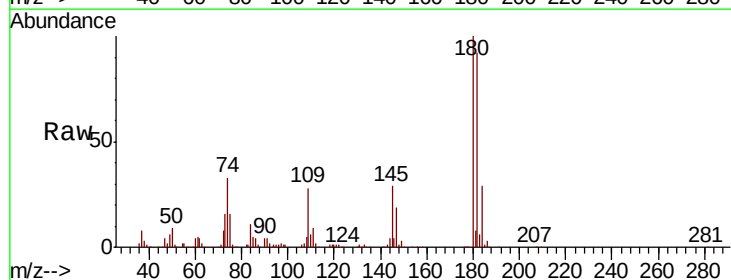
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 27.733 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017762.D
 Acq: 28 Dec 2020 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	72.3	108.5
145	31.6	25.6	38.4

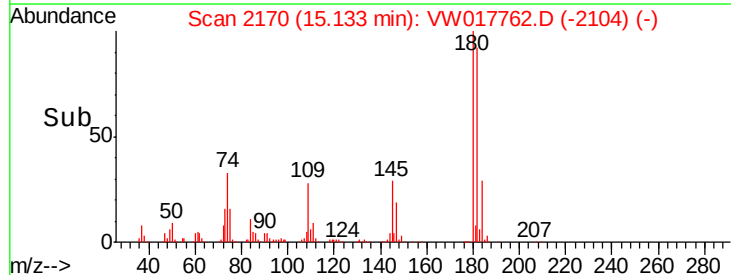
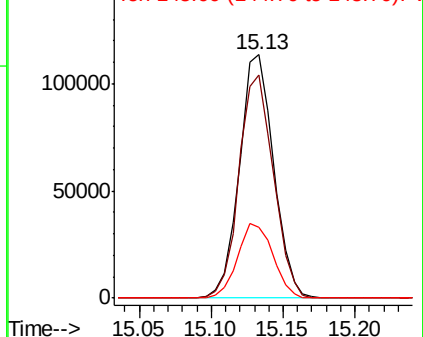


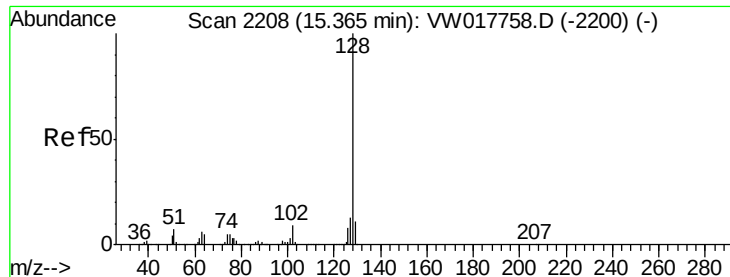
Abundance

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

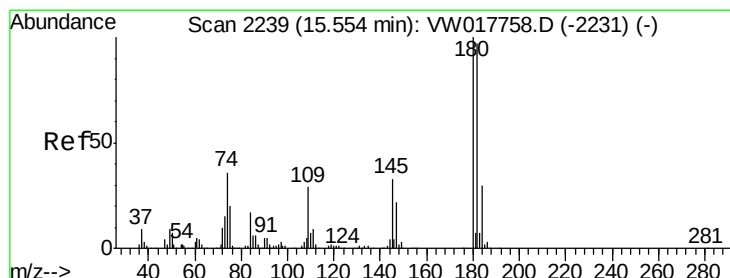
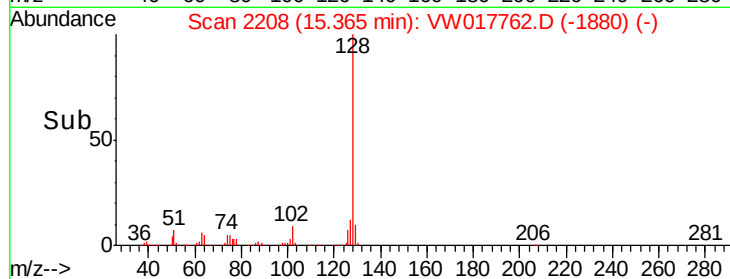
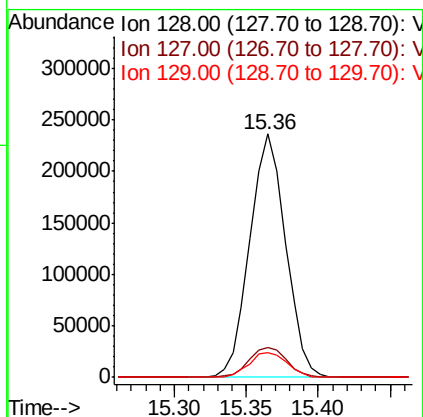
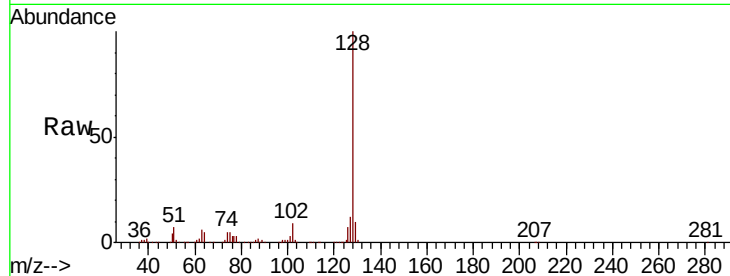




#71
Naphthalene
Concen: 28.057 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD025102

Tot Ion:128 Resp: 406436
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 26.399 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017762.D
Acq: 28 Dec 2020 14:09

Tgt Ion:180 Resp: 157670
Ion Ratio Lower Upper
180 100
182 95.5 74.5 111.7
145 34.9 27.1 40.7

