

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122920\
 Data File : VW017772.D
 Acq On : 29 Dec 2020 16:07
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025105

Quant Time: Dec 30 03:55:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 30 03:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	274447	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	251064	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	132032	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94856	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
7) Chloroethane-d5	2.89	69	88395	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.72%
11) 1,1-Dichloroethene-d2	4.03	63	182568	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.08%
21) 2-Butanone-d5	7.07	46	50312	53.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.52%
24) Chloroform-d	7.65	84	184717	24.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	8.31	65	105875	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	8.27	84	351163	24.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	9.27	67	102252	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.92%
41) Toluene-d8	10.32	98	329910	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.72%
43) trans-1,3-Dichloropropene-	10.58	79	46543	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
47) 2-Hexanone-d5	10.93	63	35734	54.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.24%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	97394	27.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.32%
66) 1,2-Dichlorobenzene-d4	13.85	152	118419	25.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	78488	24.692	ug/L 99
3) Chloromethane	2.21	50	68903	24.969	ug/L 98
5) Vinyl chloride	2.37	62	127059	27.588	ug/L 100
6) Bromomethane	2.78	94	102142	26.261	ug/L 99
8) Chloroethane	2.92	64	85456	28.135	ug/L 100
9) Trichlorofluoromethane	3.26	101	80178	24.321	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100774	28.077	ug/L 98
12) 1,1-Dichloroethene	4.04	96	95272	27.834	ug/L 91
13) Acetone	4.12	43	42967	60.178	ug/L 95
14) Carbon disulfide	4.39	76	284997	26.882	ug/L 98
16) Methylene chloride	4.92	84	100027	23.163	ug/L 97
17) trans-1,2-Dichloroethene	5.42	96	105343	27.410	ug/L 97
18) Methyl tert-butyl Ether	5.43	73	129255	25.823	ug/L 100
19) 1,1-Dichloroethane	6.21	63	181733	27.048	ug/L 95
20) cis-1,2-Dichloroethene	7.17	96	110896	26.940	ug/L 95
22) 2-Butanone	7.17	43	64929	60.826	ug/L 97
23) Bromochloromethane	7.51	128	49167	26.463	ug/L 93

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 Quant Title : SFAM01.0
 QLast Update : Wed Dec 30 03:54:03 2020
 Response via : Initial Calibration

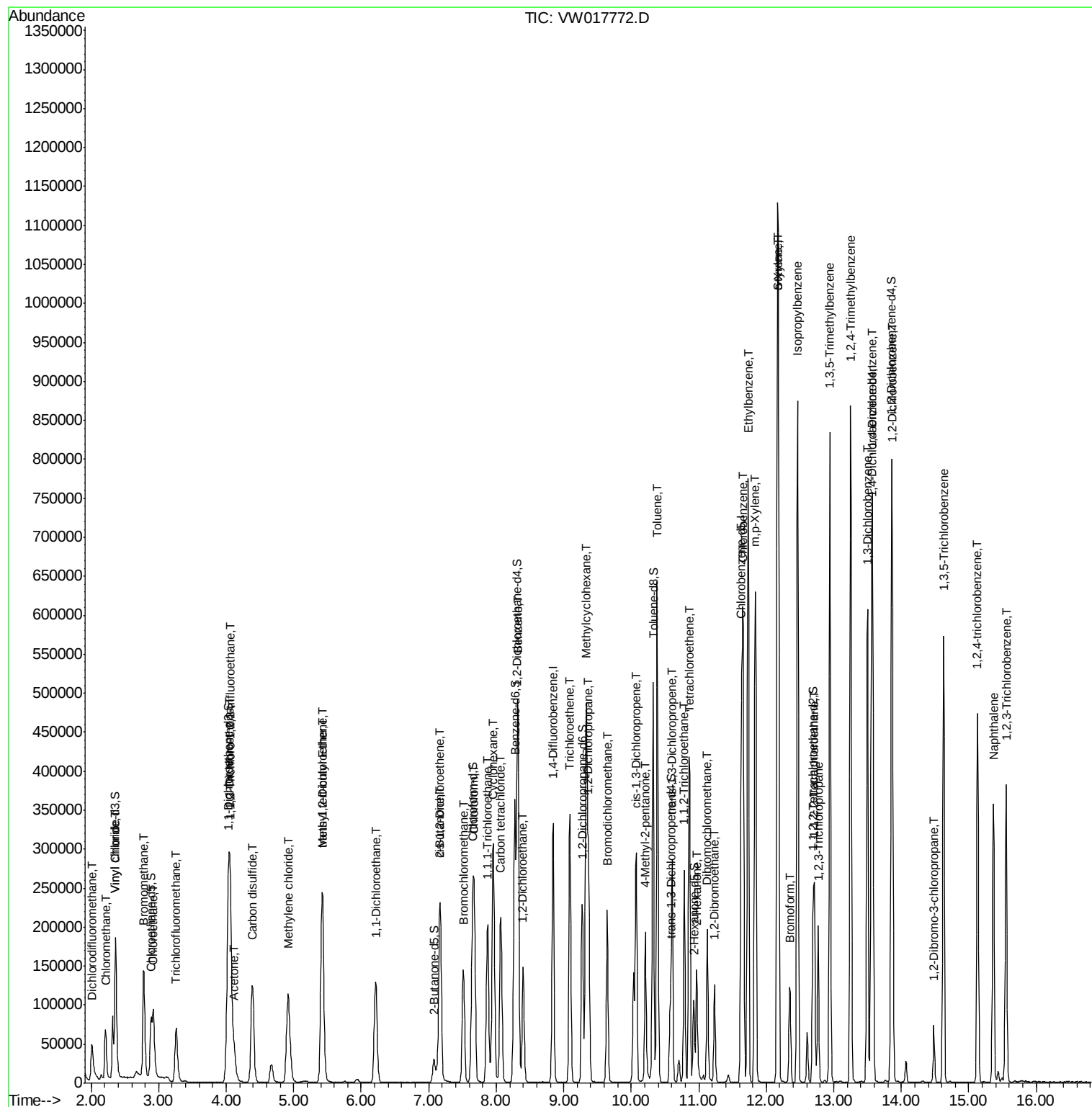
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	194396	27.355	ug/L	95
27) 1,2-Dichloroethane	8.40	62	138790	28.047	ug/L	99
29) Cyclohexane	7.96	56	171714	28.163	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	162463	27.541	ug/L	99
31) Carbon tetrachloride	8.07	117	152944	27.206	ug/L	97
33) Benzene	8.32	78	417428	27.784	ug/L	100
34) Trichloroethene	9.09	95	113734	27.943	ug/L	95
35) Methylcyclohexane	9.34	83	199042	28.558	ug/L	99
37) 1,2-Dichloropropane	9.37	63	102170	28.057	ug/L	100
38) Bromodichloromethane	9.65	83	139566	27.157	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	162290	27.118	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	127257	57.709	ug/L	98
42) Toluene	10.39	91	476453	28.149	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	146348	27.221	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	81696	27.980	ug/L	98
46) Tetrachloroethene	10.86	164	87513	27.818	ug/L	93
48) 2-Hexanone	10.97	43	95233	63.110	ug/L	95
49) Dibromochloromethane	11.13	129	94585	27.175	ug/L	95
50) 1,2-Dibromoethane	11.23	107	80019	28.167	ug/L #	96
51) Chlorobenzene	11.66	112	296695	27.704	ug/L	99
52) Ethylbenzene	11.73	91	538196	28.130	ug/L	99
53) m,p-Xylene	11.84	106	206563	27.962	ug/L	93
54) o-Xylene	12.16	106	198030	28.102	ug/L	100
55) Styrene	12.18	104	340691	28.240	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	102728	29.299	ug/L	99
59) Bromoform	12.35	173	49791	26.098	ug/L #	95
60) Isopropylbenzene	12.46	105	558018	29.048	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	76728	28.878	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	449843	28.605	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	449763	28.416	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	231422	27.786	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	234065	28.146	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	211972	27.858	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.48	75	17317	28.544	ug/L	92
69) 1,3,5-Trichlorobenzene	14.63	180	159656	28.315	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	137306	28.145	ug/L	98
71) Naphthalene	15.36	128	304649	29.052	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	120152	27.790	ug/L	100

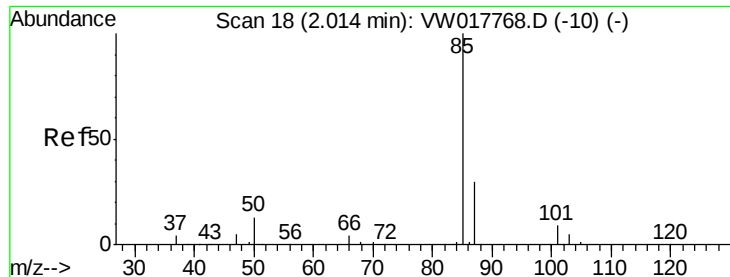
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.692 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

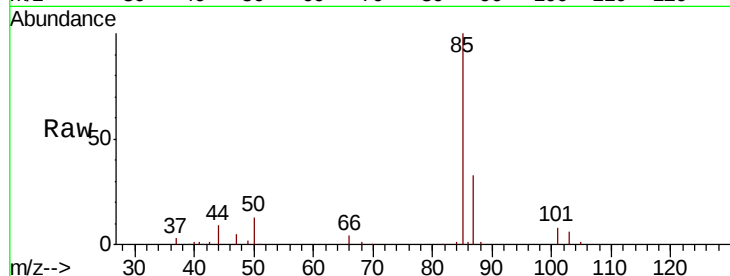
VSTD025105

Tot Ion: 85 Resp: 78488

Ion Ratio Lower Upper

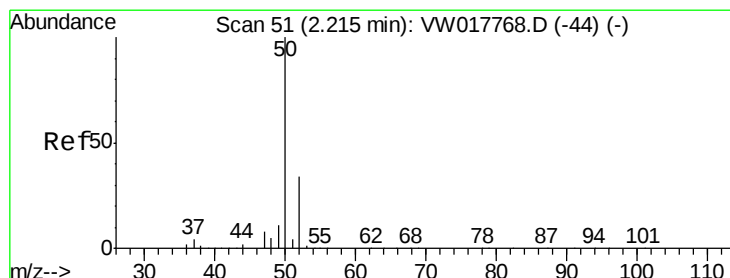
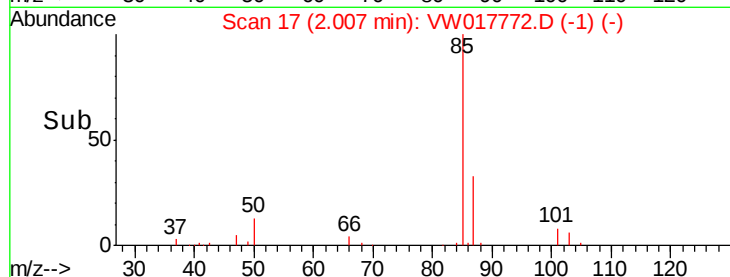
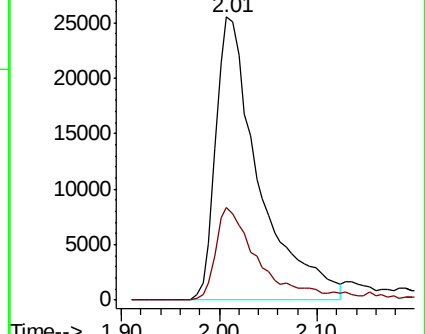
85 100

87 30.0 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: 24.969 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017772.D

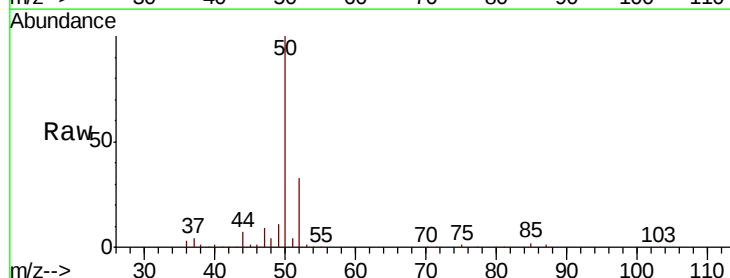
Acq: 29 Dec 2020 16:07

Tgt Ion: 50 Resp: 68903

Ion Ratio Lower Upper

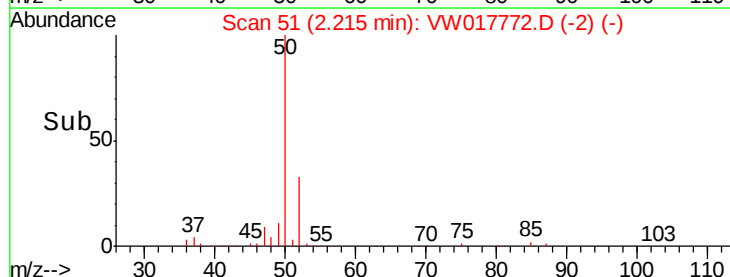
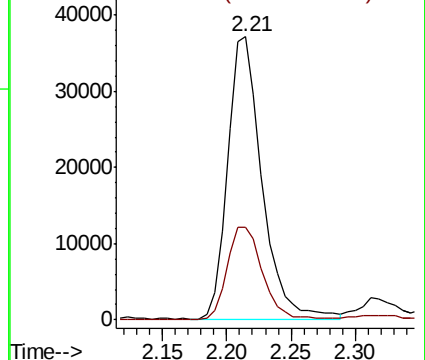
50 100

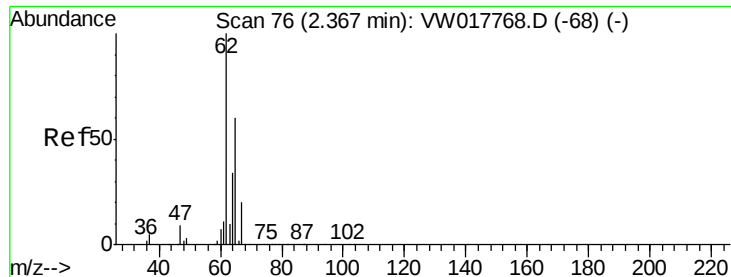
52 32.5 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.588 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

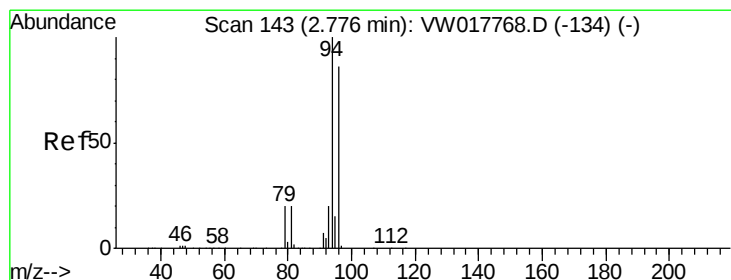
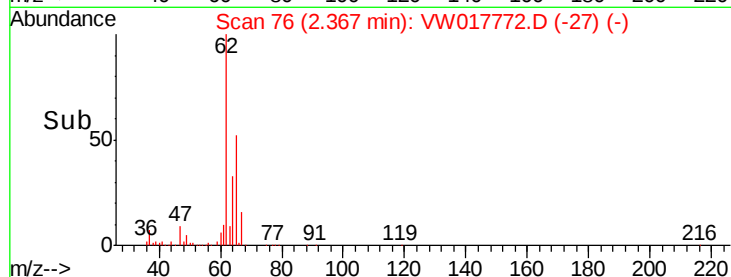
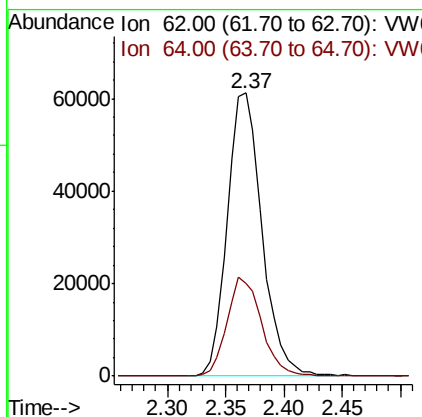
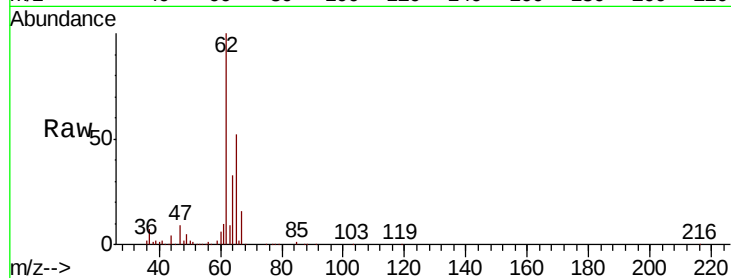
VSTD025105

Tot Ion: 62 Resp: 127059

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



#6

Bromomethane

Concen: 26.261 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW017772.D

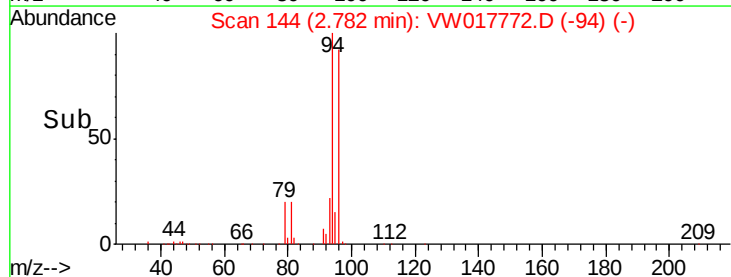
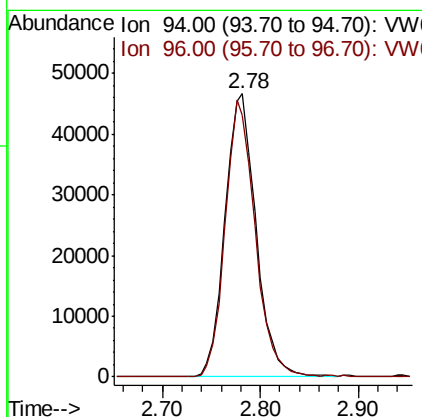
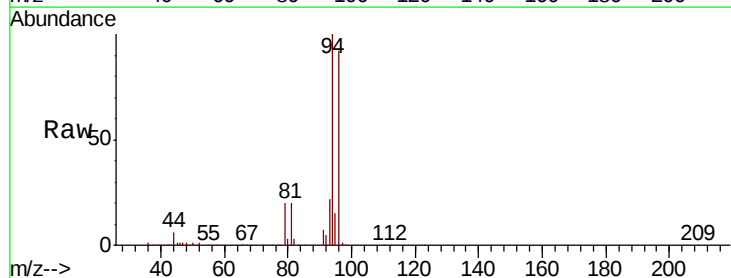
Acq: 29 Dec 2020 16:07

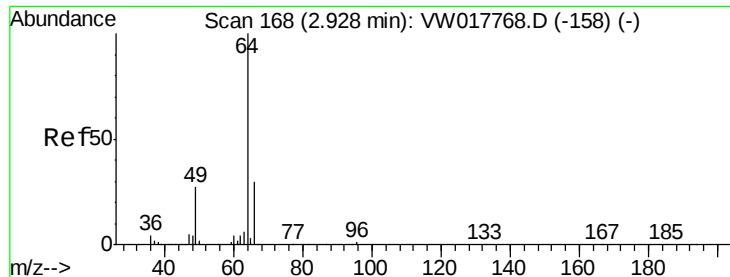
Tgt Ion: 94 Resp: 102142

Ion Ratio Lower Upper

94 100

96 92.2 65.0 120.6

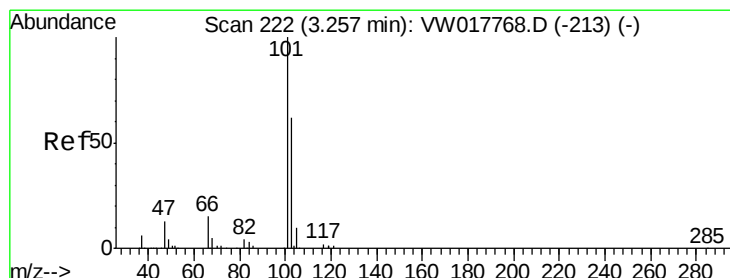
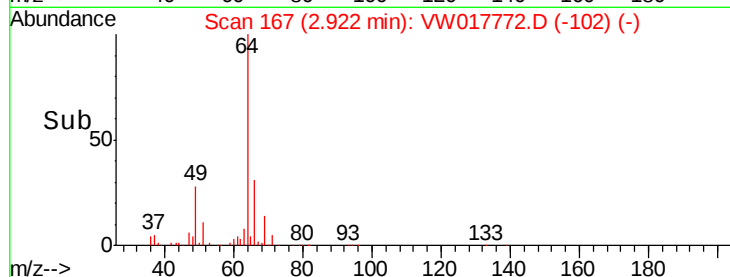
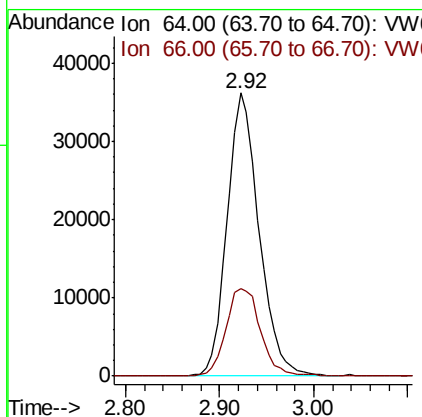
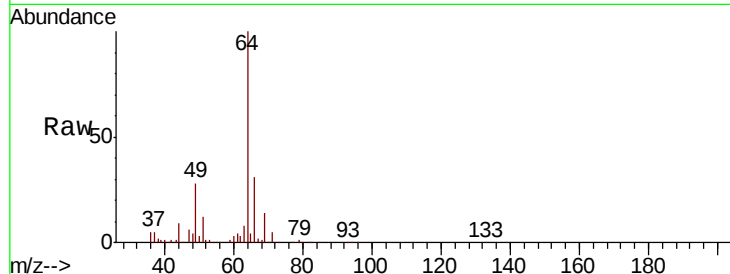




#8
Chloroethane
Concen: 28.135 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

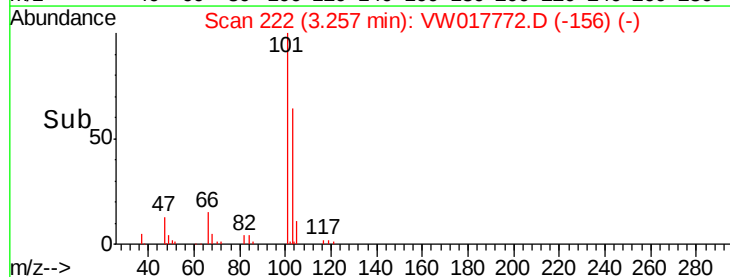
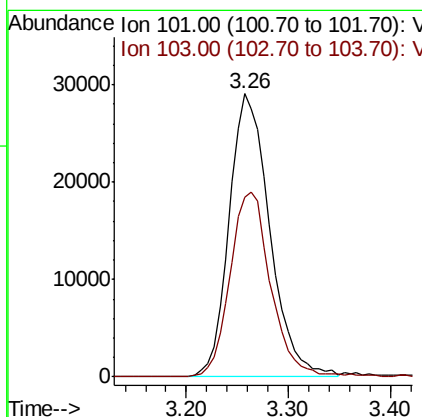
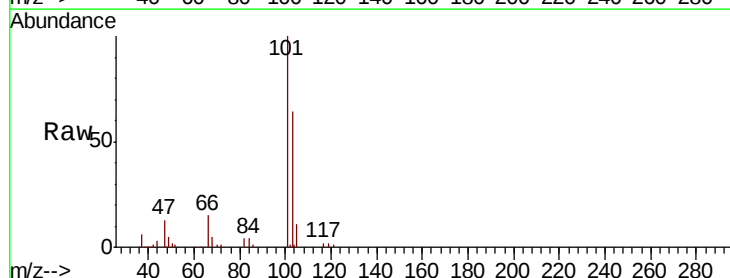
Instrument :
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VSTD025105

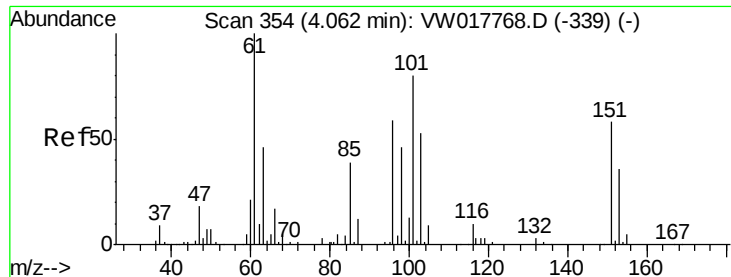
Tot Ion: 64 Resp: 85456
Ion Ratio Lower Upper
64 100
66 30.8 21.7 40.3



#9
Trichlorofluoromethane
Concen: 24.321 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion: 101 Resp: 80178
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8





#10

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

Concen: 28.077 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

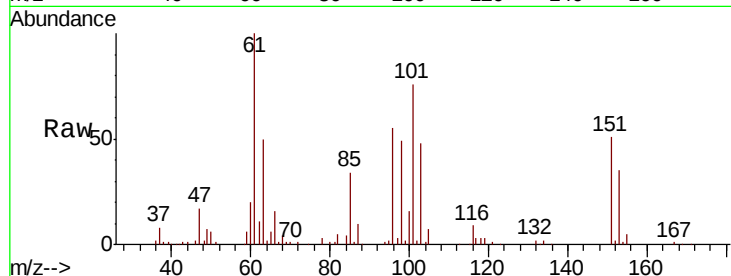
Tot Ion:101 Resp: 100774

Ion Ratio Lower Upper

101 100

85 46.2 37.9 56.9

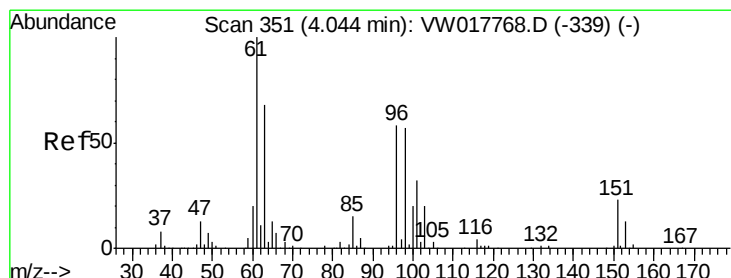
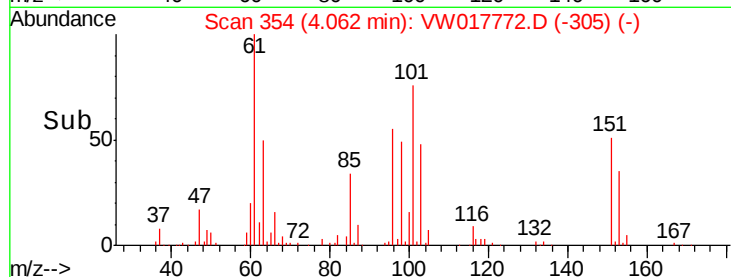
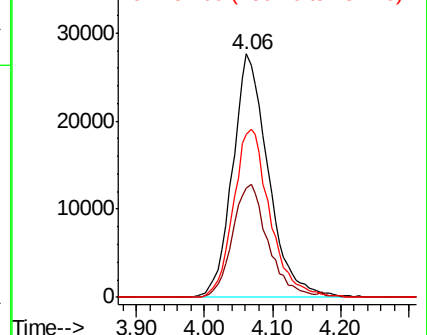
151 70.3 58.2 87.2



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: 27.834 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

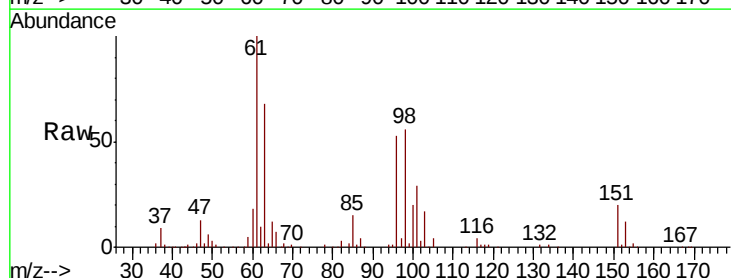
Tgt Ion: 96 Resp: 95272

Ion Ratio Lower Upper

96 100

61 190.4 123.7 229.7

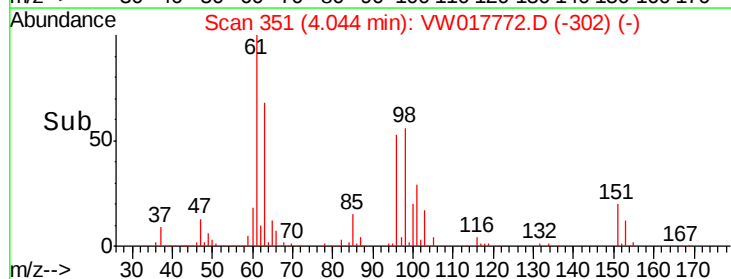
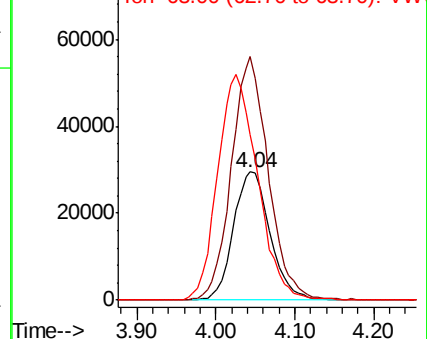
63 129.1 96.6 179.4

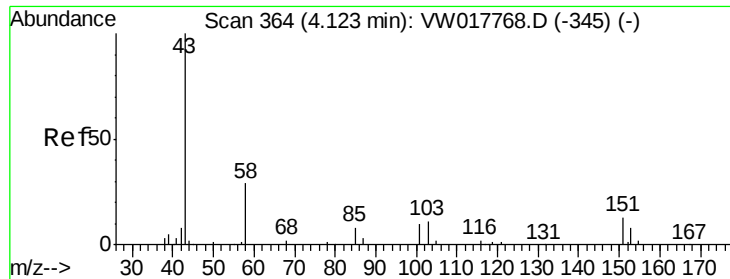


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 60.178 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

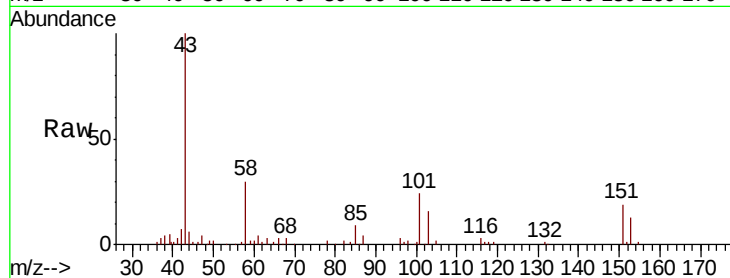
VSTD025105

Tot Ion: 43 Resp: 42967

Ion Ratio Lower Upper

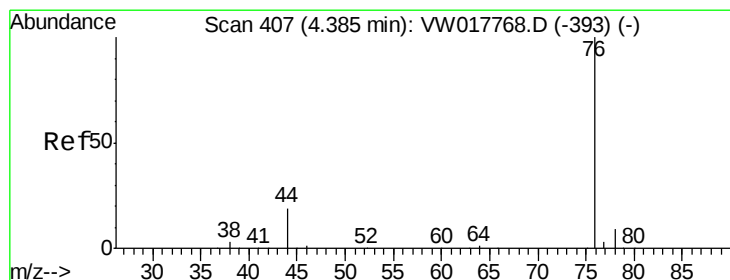
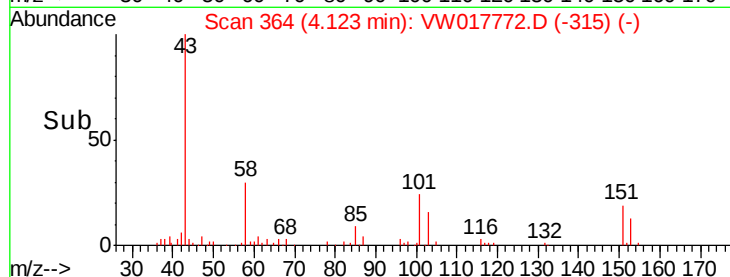
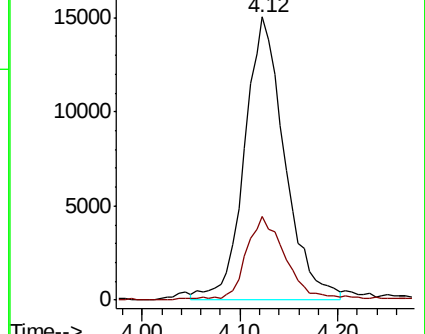
43 100

58 26.2 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: 26.882 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017772.D

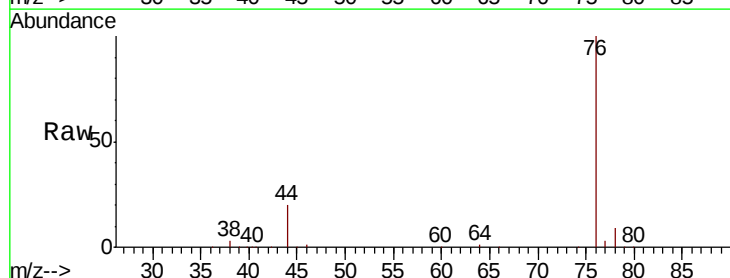
Acq: 29 Dec 2020 16:07

Tgt Ion: 76 Resp: 284997

Ion Ratio Lower Upper

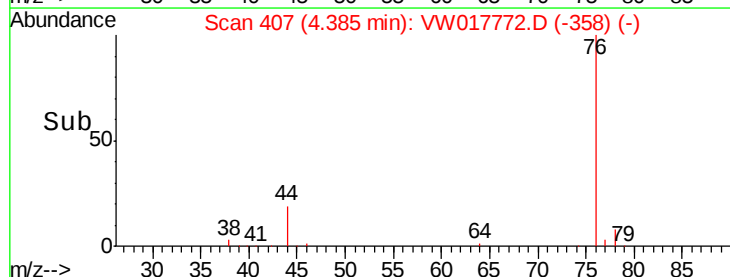
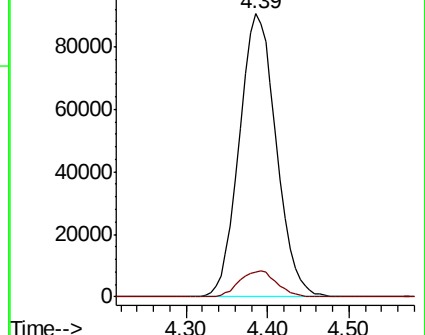
76 100

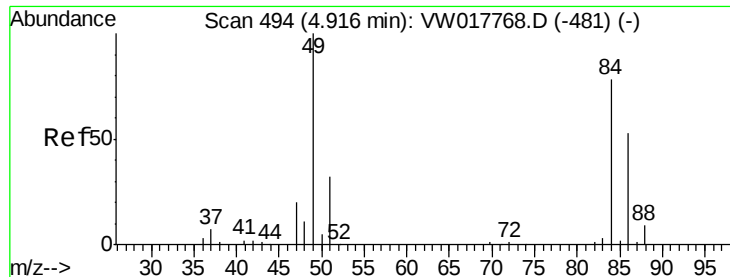
78 8.8 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

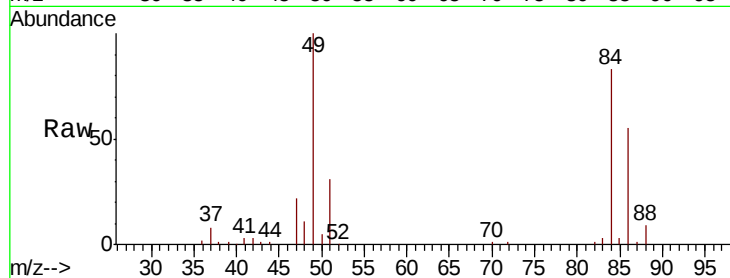




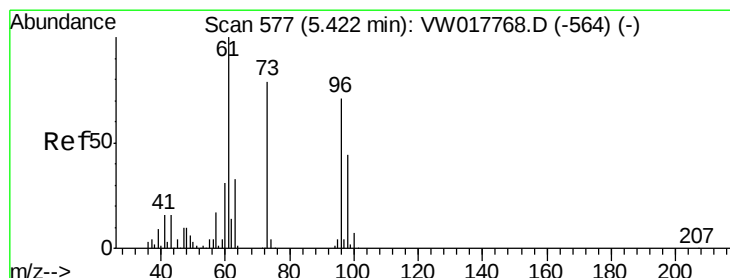
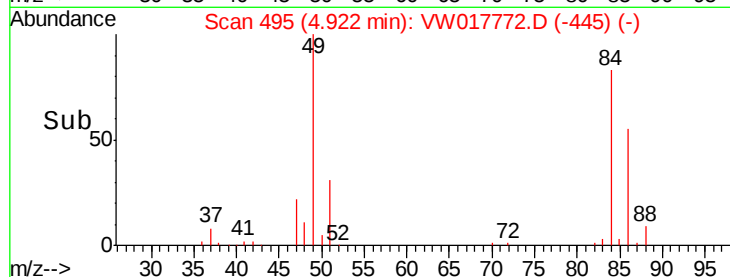
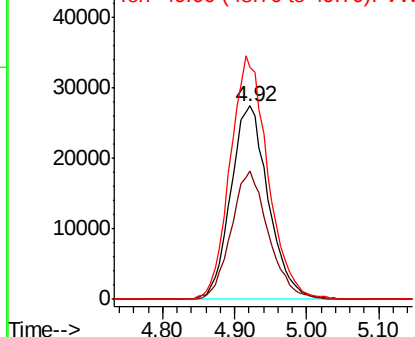
#16
Methylene chloride
Concen: 23.163 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

Tot Ion: 84 Resp: 100027
Ion Ratio Lower Upper
84 100
86 66.6 44.0 81.8
49 120.3 85.4 158.6

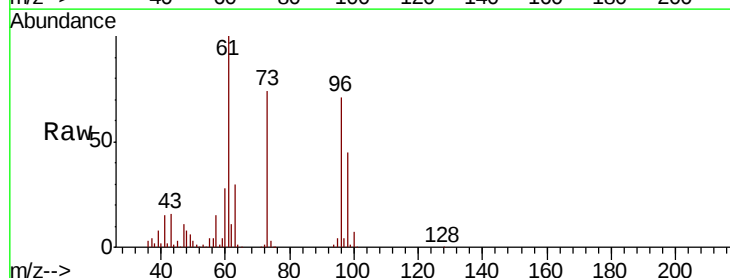


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 86.00 (85.70 to 86.70): VW
Ion 49.00 (48.70 to 49.70): VW

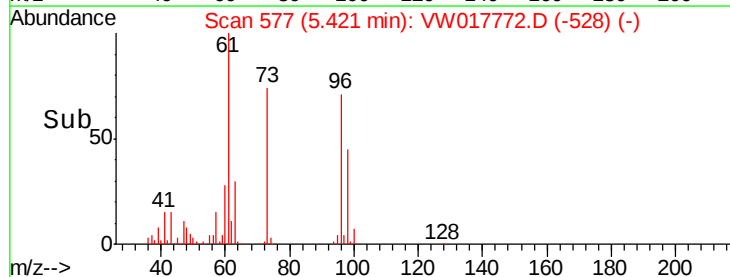
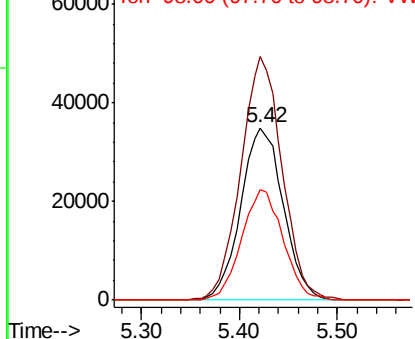


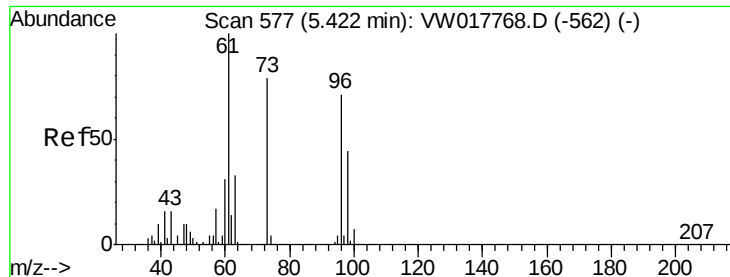
#17
trans-1,2-Dichloroethene
Concen: 27.410 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion: 96 Resp: 105343
Ion Ratio Lower Upper
96 100
61 141.5 96.0 178.4
98 64.2 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

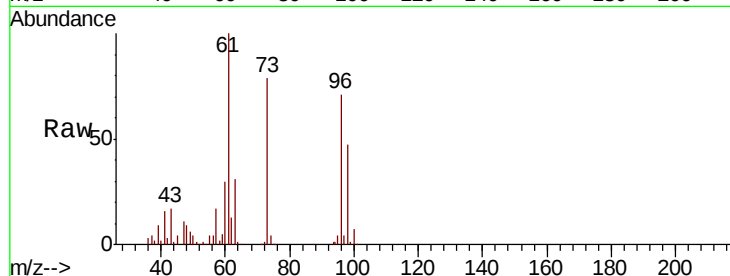




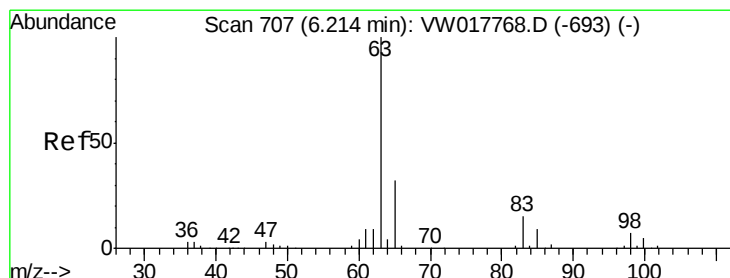
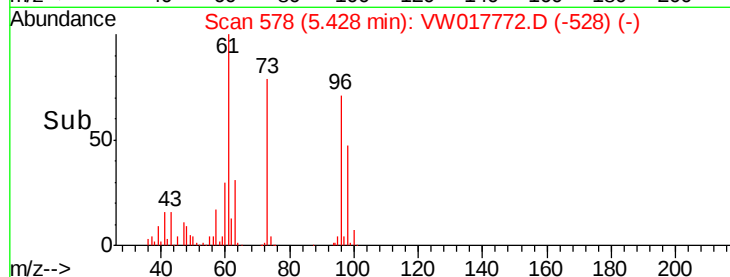
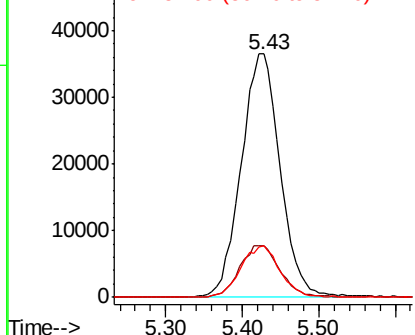
#18
Methvl tert-butvl Ether
Concen: 25.823 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.0	17.4	26.0
57	21.2	16.9	25.3

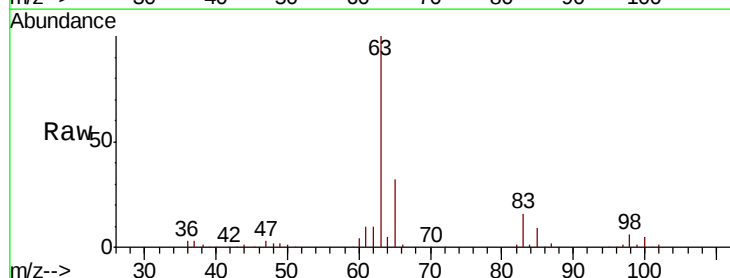


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

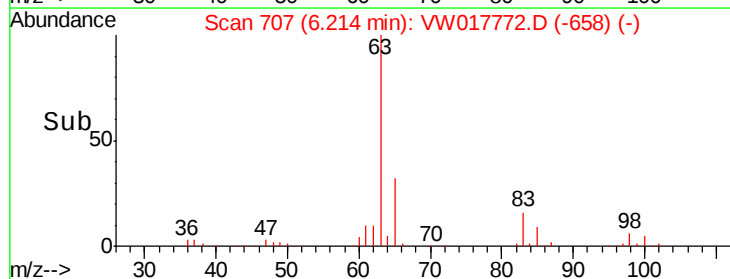
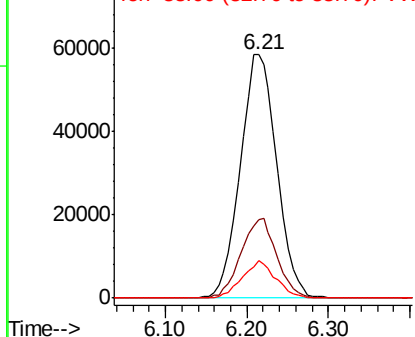


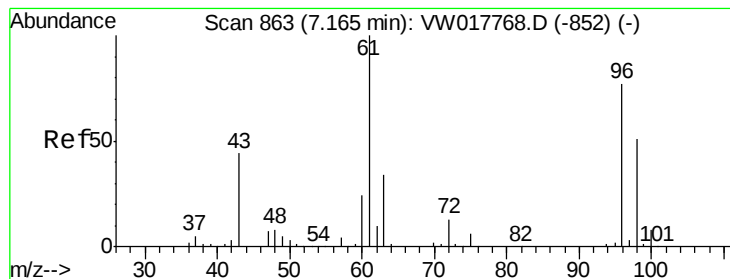
#19
1,1-Dichloroethane
Concen: 27.048 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.3	39.5
83	15.7	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



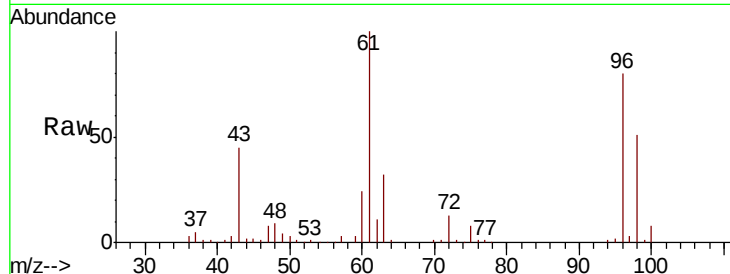


#20

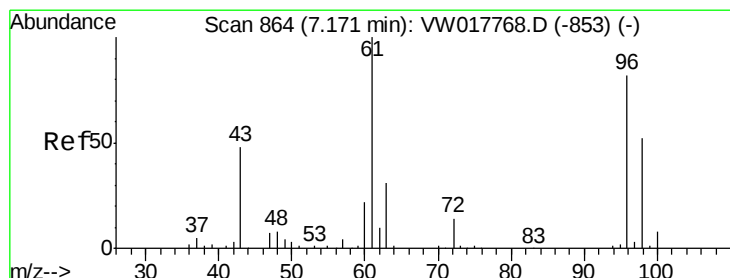
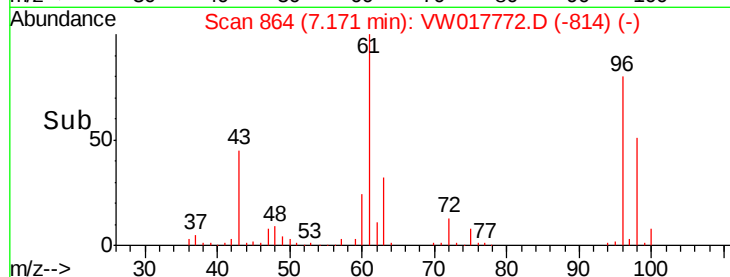
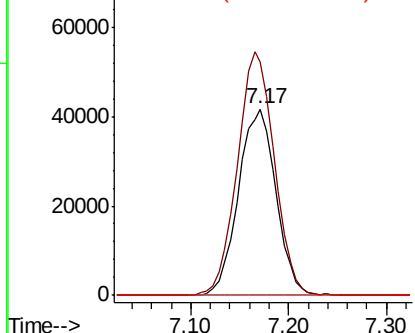
cis-1,2-Dichloroethene
Concen: 26.940 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

Tot Ion: 96 Resp: 110896
Ion Ratio Lower Upper
96 100
61 125.6 91.6 170.2
68 0.0 0.0 0.0



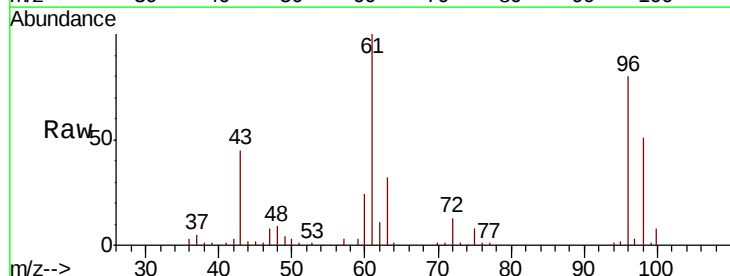
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW



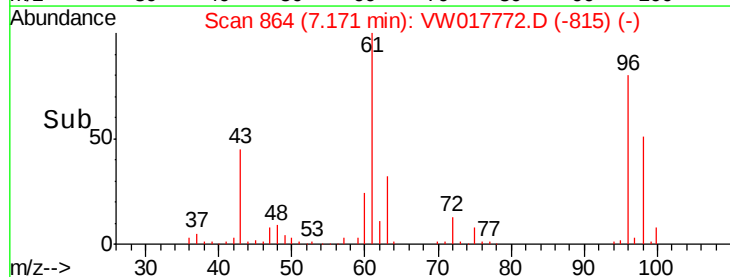
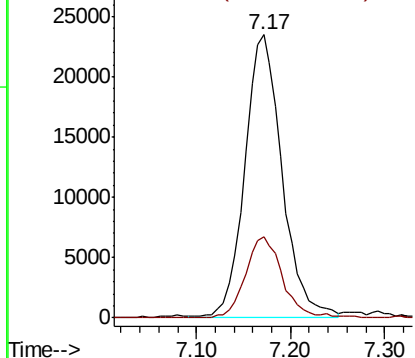
#22

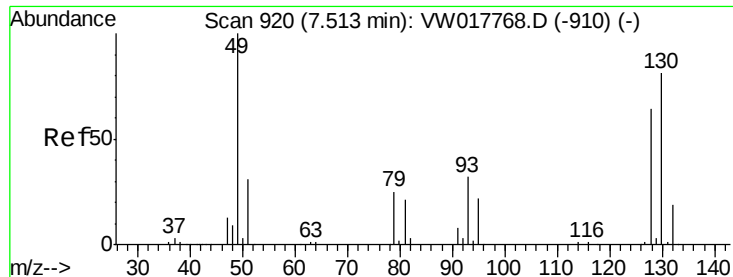
2-Butanone
Concen: 60.826 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion: 43 Resp: 64929
Ion Ratio Lower Upper
43 100
72 27.7 14.6 44.0



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





#23

Bromochloromethane

Concen: 26.463 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

Tot Ion:128 Resp: 49167

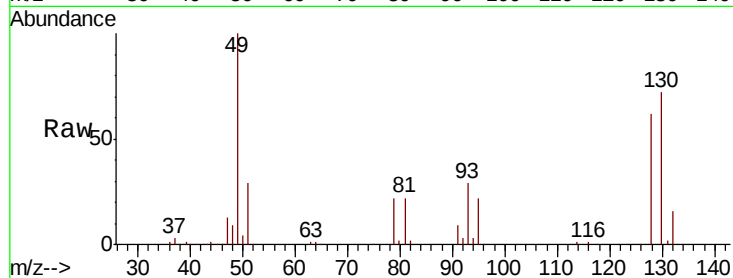
Ion Ratio Lower Upper

128 100

49 161.2 111.2 206.6

130 116.0 91.9 170.7

51 47.1 40.6 60.8

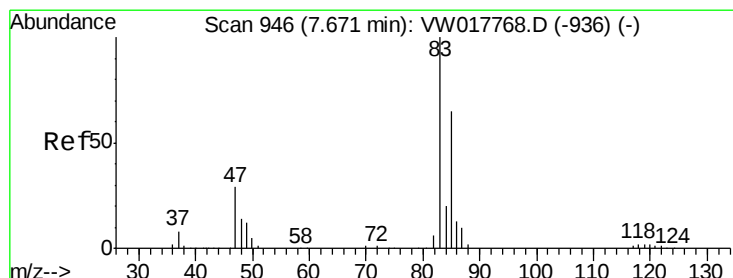
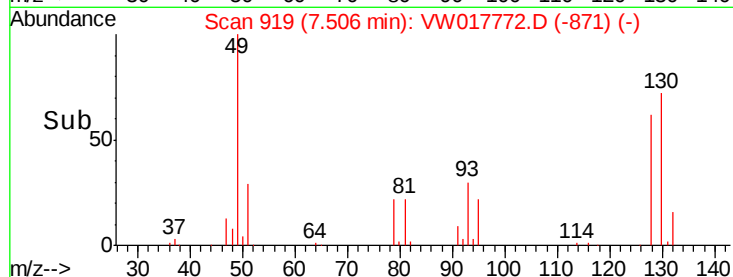
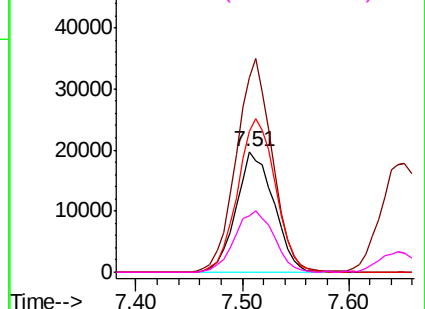


Abundance Ion 128.00 (127.70 to 128.70): V

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



#25

Chloroform

Concen: 27.355 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017772.D

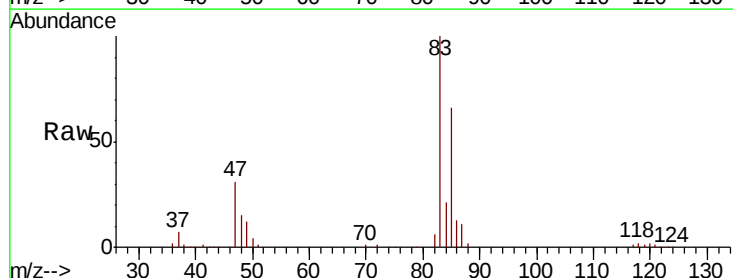
Acq: 29 Dec 2020 16:07

Tgt Ion: 83 Resp: 194396

Ion Ratio Lower Upper

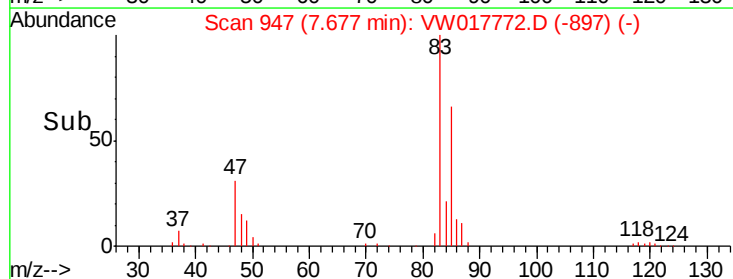
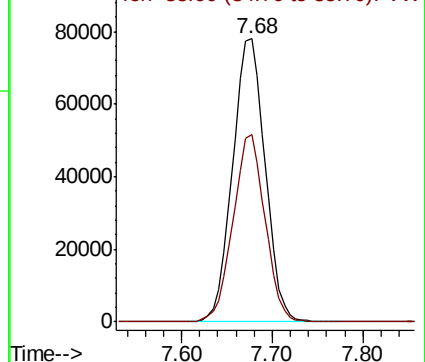
83 100

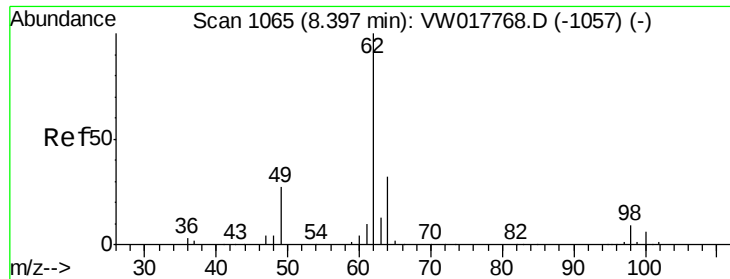
85 66.0 43.6 81.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

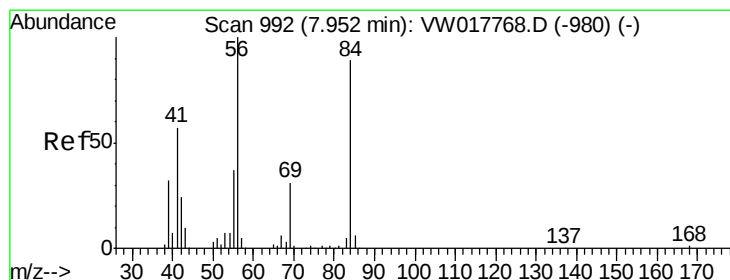
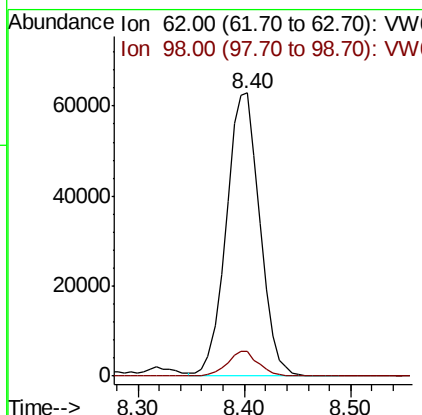
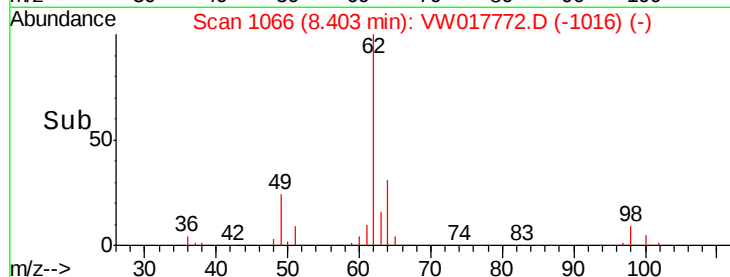
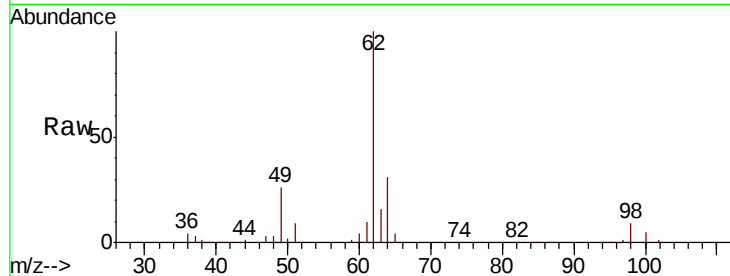




#27
 1,2-Dichloroethane
 Concen: 28.047 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

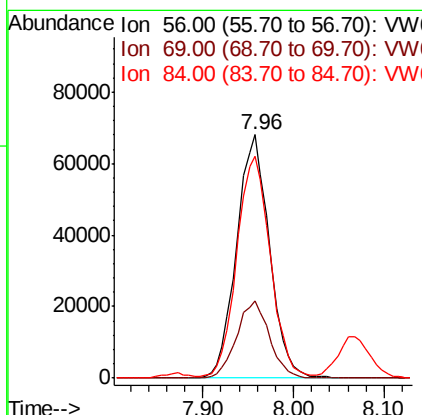
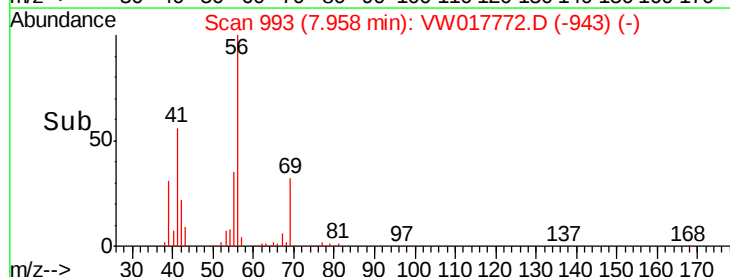
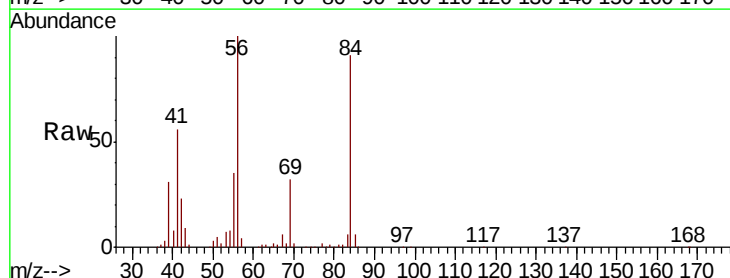
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025105

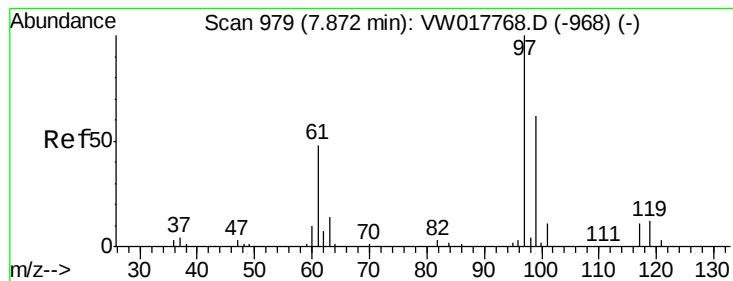
Tot Ion: 62 Resp: 138790
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.8 10.2



#29
 Cyclohexane
 Concen: 28.163 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

Tgt Ion: 56 Resp: 171714
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.4 38.2
 84 92.9 74.3 111.5





#30

1,1,1-Trichloroethane

Concen: 27.541 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

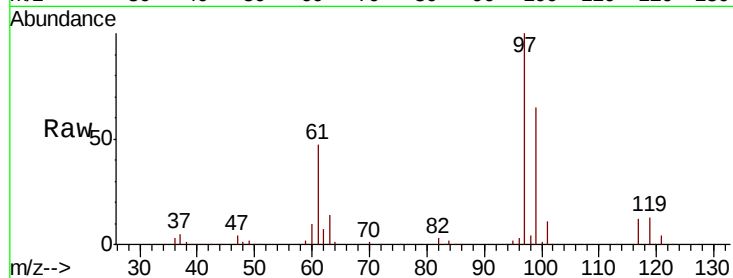
Tot Ion: 97 Resp: 162463

Ion Ratio Lower Upper

97 100

99 64.4 50.6 75.8

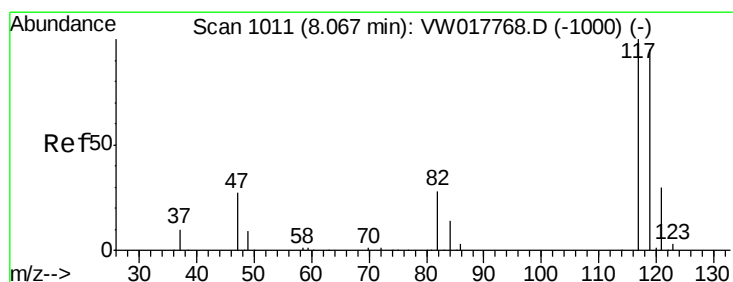
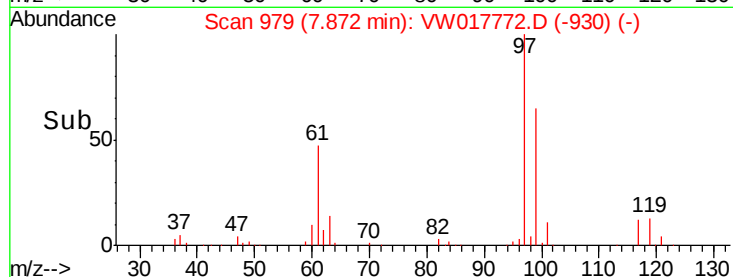
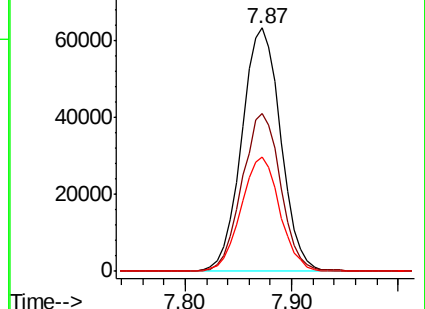
61 46.5 36.6 54.8



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: 27.206 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017772.D

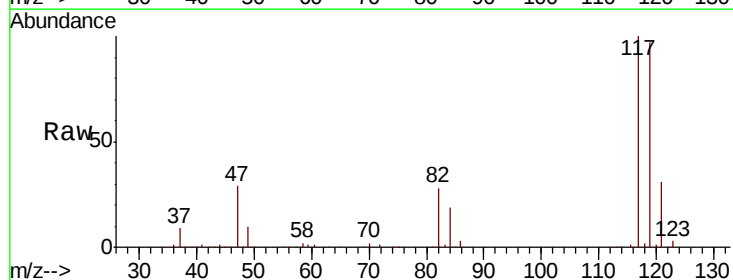
Acq: 29 Dec 2020 16:07

Tgt Ion: 117 Resp: 152944

Ion Ratio Lower Upper

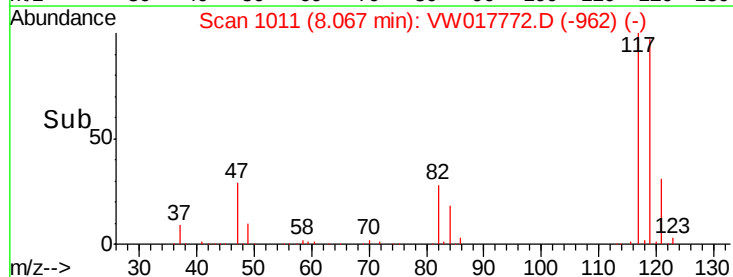
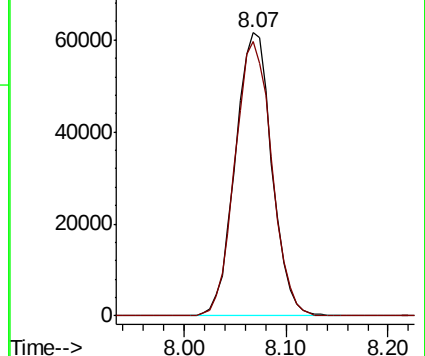
117 100

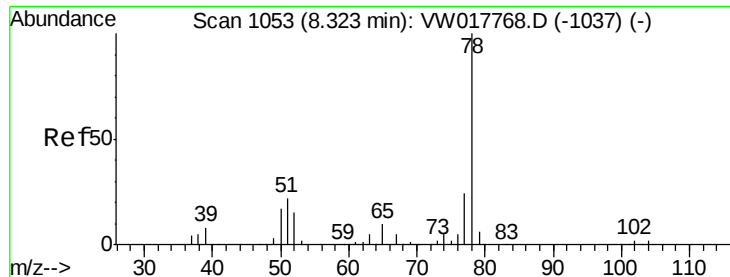
119 97.7 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 27.784 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

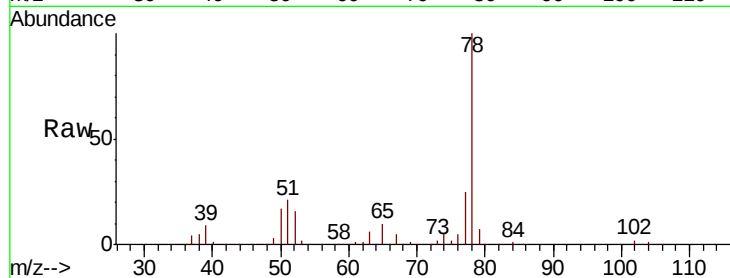
Instrument :

MSVOA_W

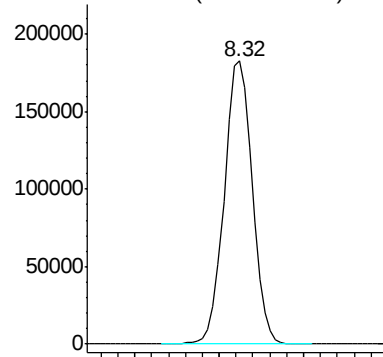
ClientSampleId :

VSTD025105

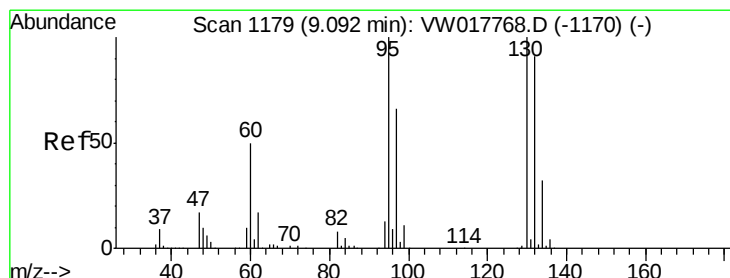
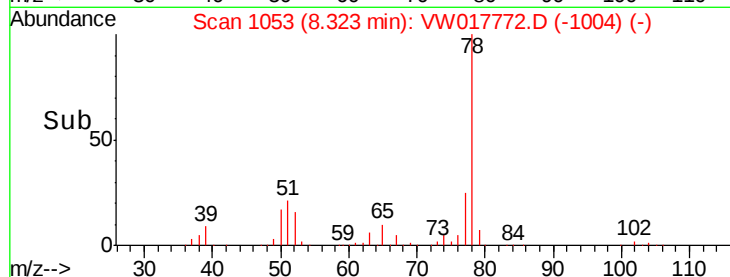
Tgt Ion: 78 Resp: 417428



Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->



#34

Trichloroethene

Concen: 27.943 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Tgt Ion: 95 Resp: 113734

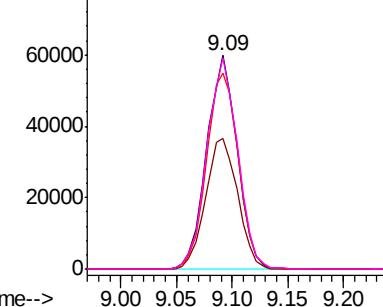
Ion	Ratio	Lower	Upper
95	100		
97	61.1	45.6	84.6
132	91.6	69.4	128.8
130	98.8	68.2	126.6

Abundance Ion 95.00 (94.70 to 95.70): VW

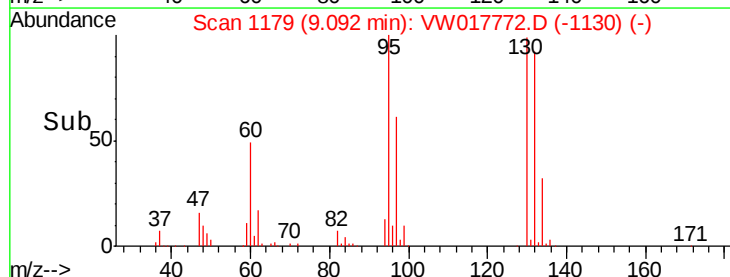
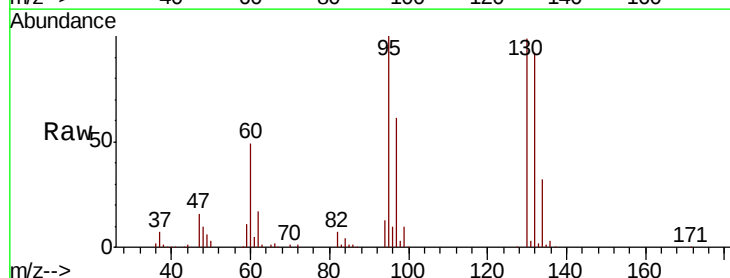
Ion 97.00 (96.70 to 97.70): VW

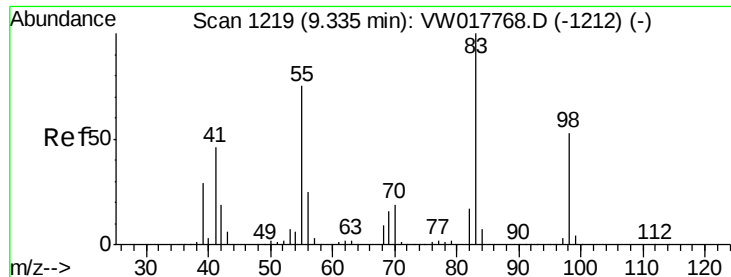
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->

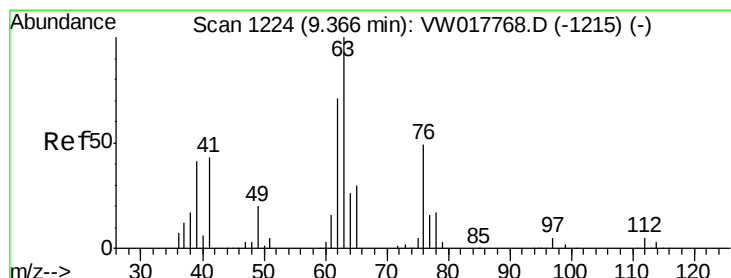
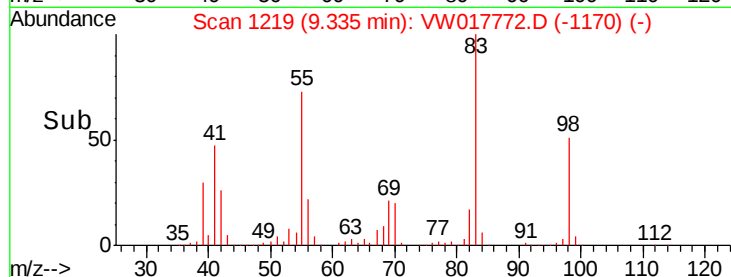
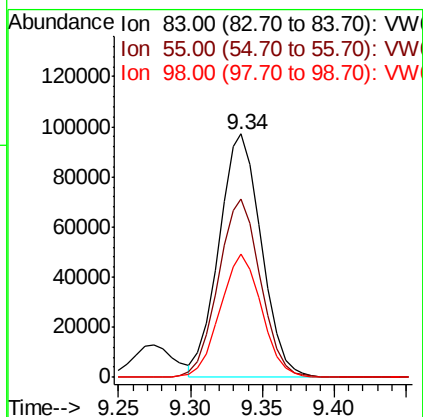
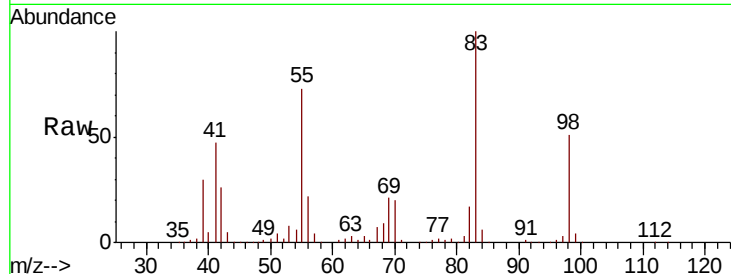




#35
Methylcyclohexane
Concen: 28.558 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

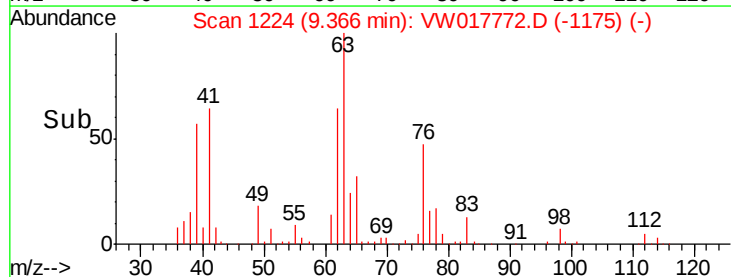
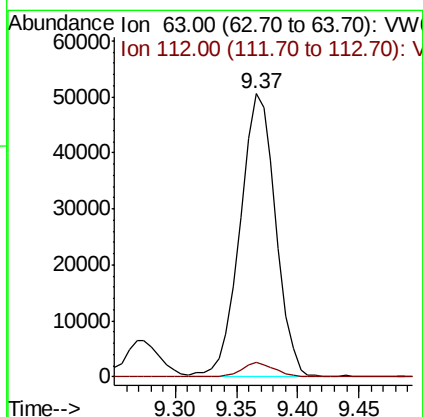
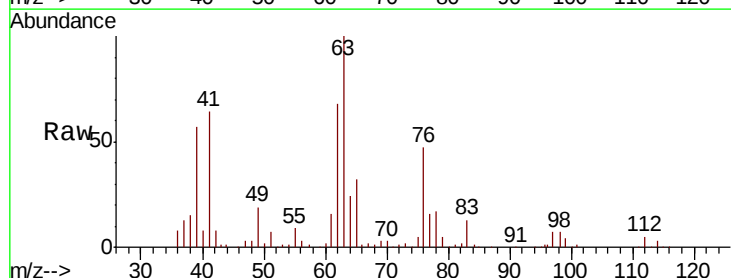
Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

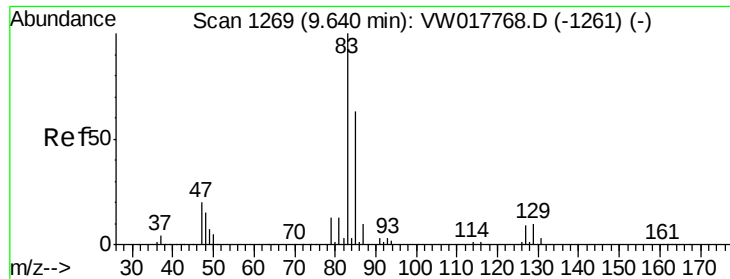
Tot Ion: 83 Resp: 199042
Ion Ratio Lower Upper
83 100
55 73.4 58.6 88.0
98 49.4 40.5 60.7



#37
1,2-Dichloropropane
Concen: 28.057 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion: 63 Resp: 102170
Ion Ratio Lower Upper
63 100
112 4.6 3.6 5.4





#38

Bromodichloromethane

Concen: 27.157 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

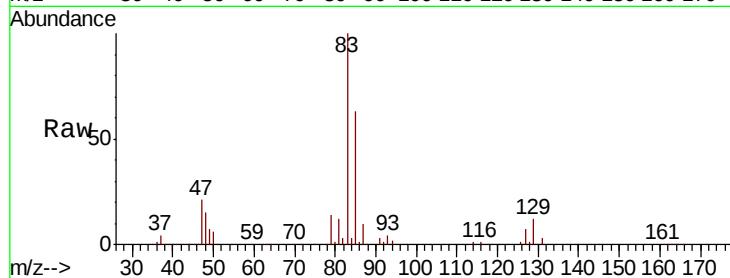
Tot Ion: 83 Resp: 139566

Ion Ratio Lower Upper

83 100

85 62.7 43.0 80.0

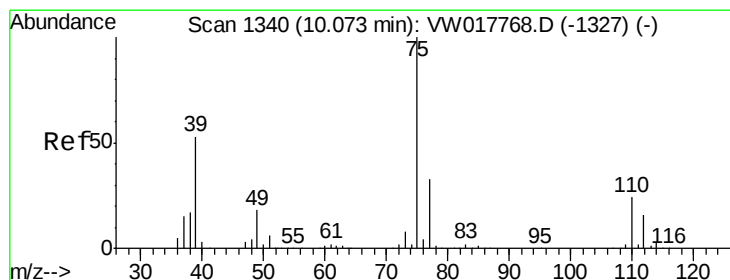
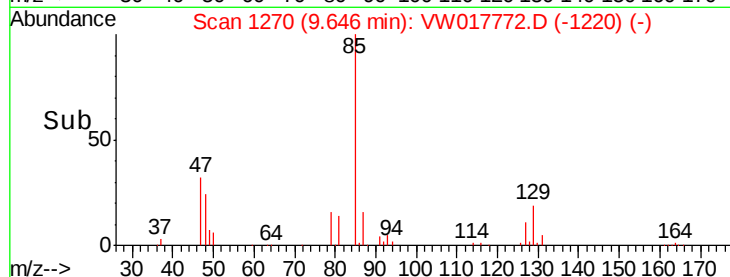
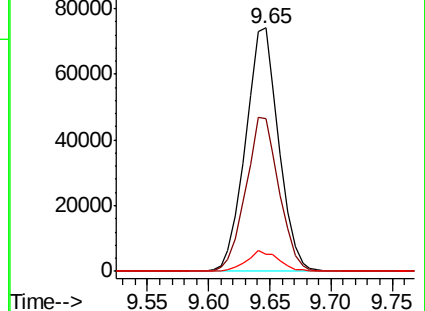
127 7.2 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#39

cis-1,3-Dichloropropene

Concen: 27.118 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017772.D

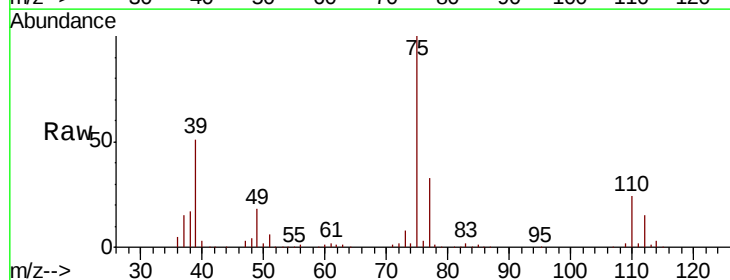
Acq: 29 Dec 2020 16:07

Tgt Ion: 75 Resp: 162290

Ion Ratio Lower Upper

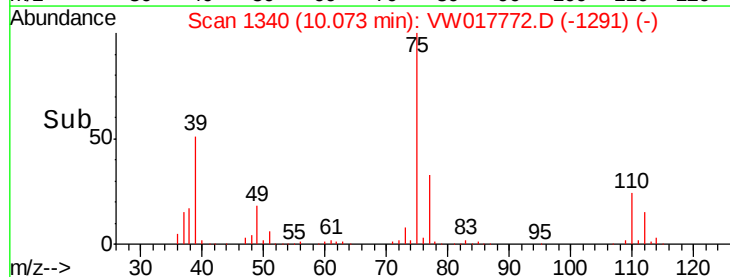
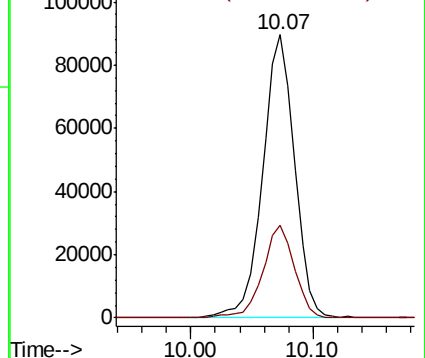
75 100

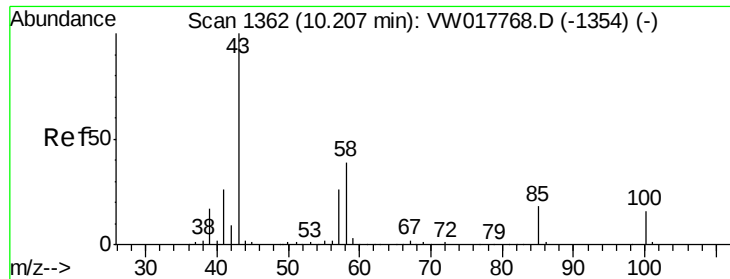
77 32.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

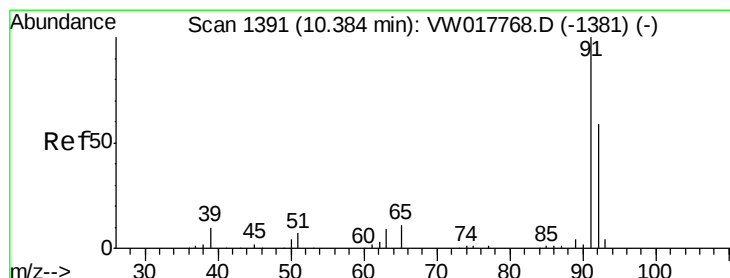
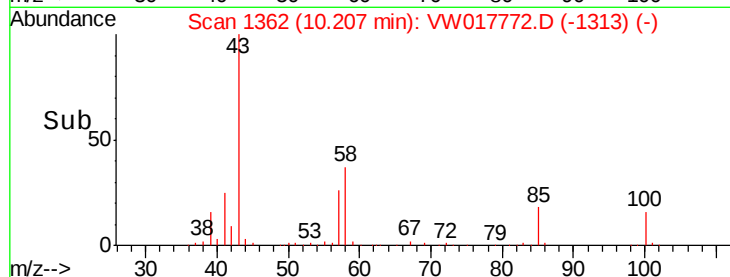
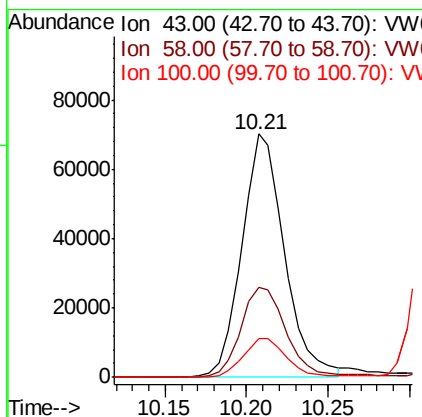
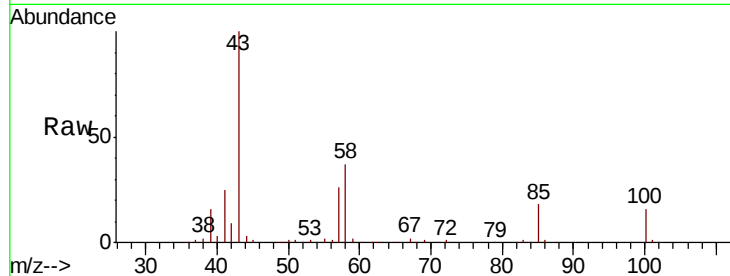




#40
4-Methyl-2-pentanone
Concen: 57.709 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

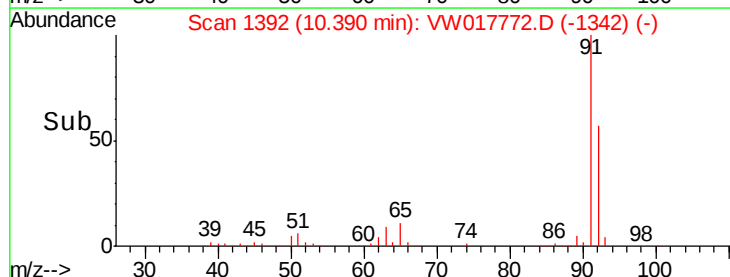
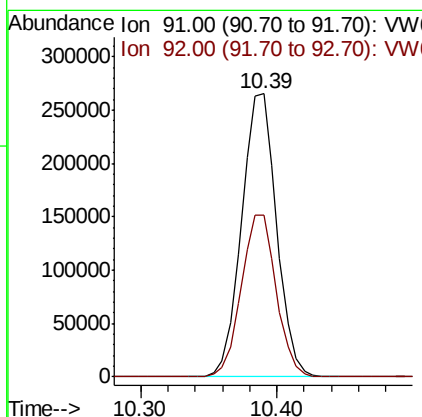
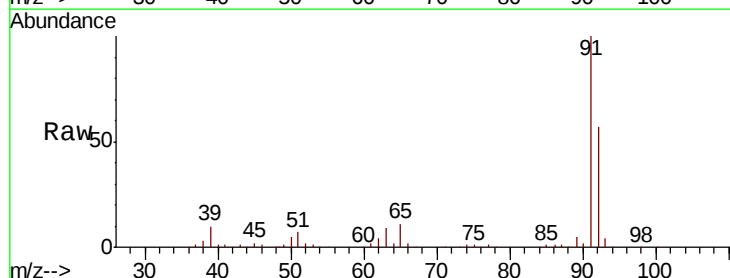
Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

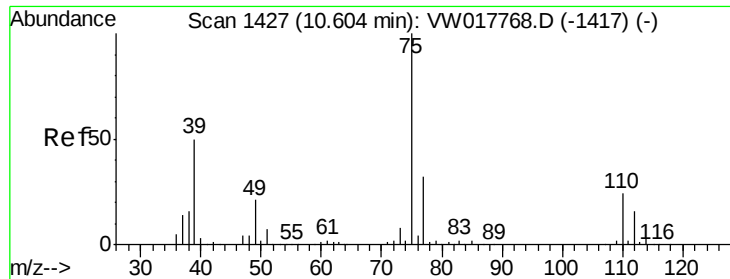
Tot Ion: 43 Resp: 127257
Ion Ratio Lower Upper
43 100
58 39.3 30.3 45.5
100 16.5 12.8 19.2



#42
Toluene
Concen: 28.149 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion: 91 Resp: 476453
Ion Ratio Lower Upper
91 100
92 57.1 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 27.221 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

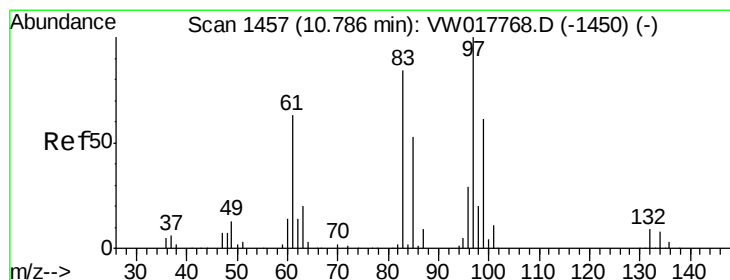
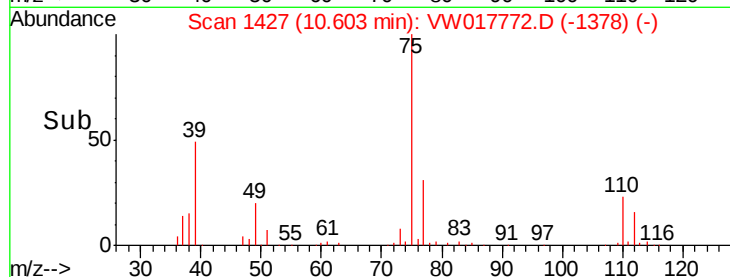
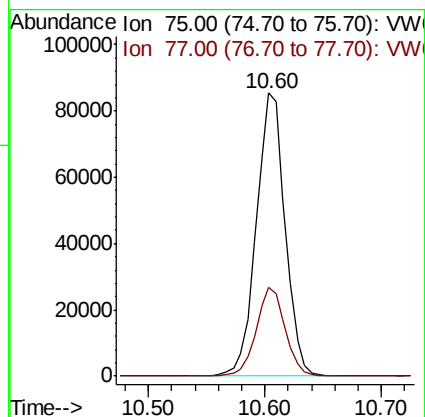
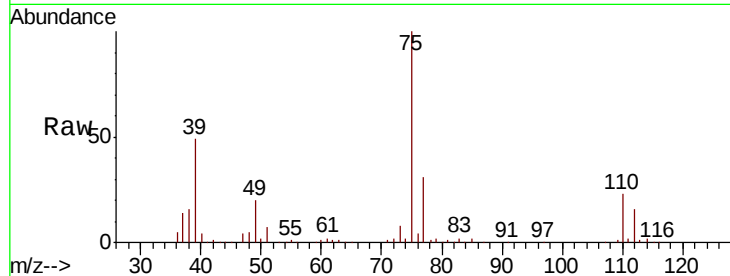
VSTD025105

Tot Ion: 75 Resp: 146348

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



#45

1,1,2-Trichloroethane

Concen: 27.980 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Tgt Ion: 97 Resp: 81696

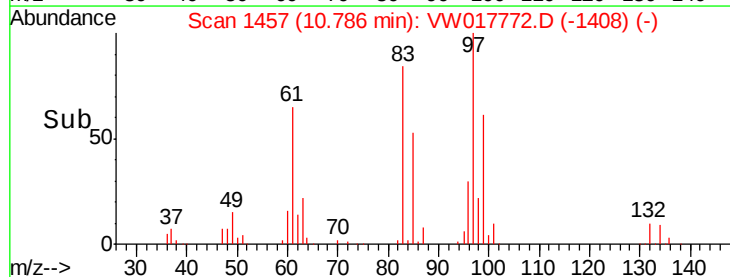
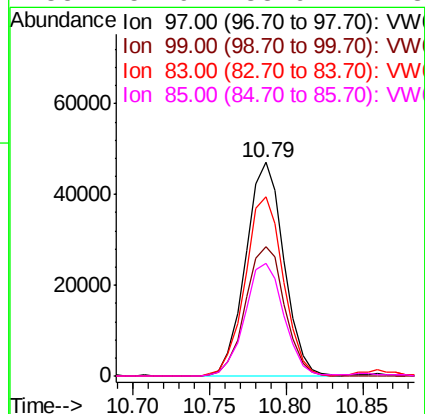
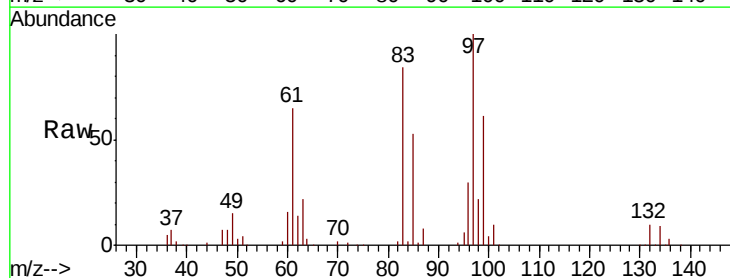
Ion Ratio Lower Upper

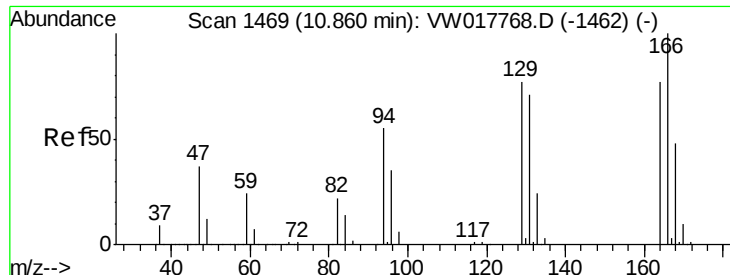
97 100

99 60.7 44.0 81.8

83 84.0 59.1 109.9

85 52.9 38.9 72.3





#46

Tetrachloroethene

Concen: 27.818 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

Tot Ion:164 Resp: 87513

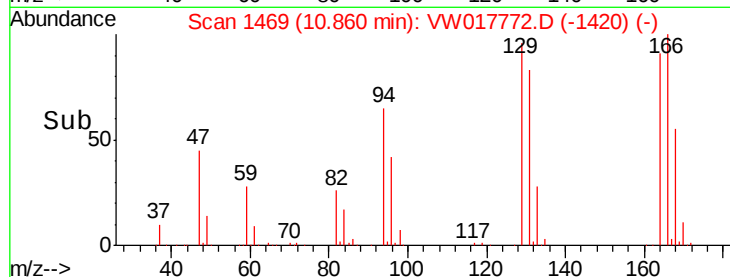
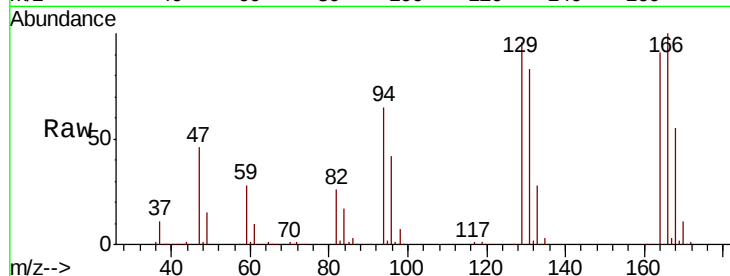
Ion Ratio Lower Upper

164 100

129 105.9 63.3 117.7

131 91.7 63.8 118.6

166 110.2 80.3 149.1



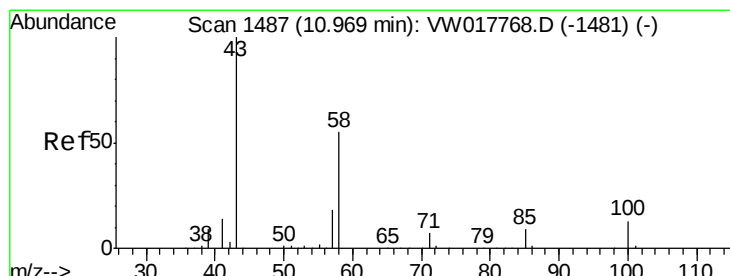
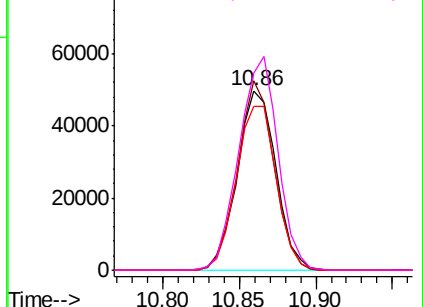
Abundance

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: 63.110 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Tgt Ion: 43 Resp: 95233

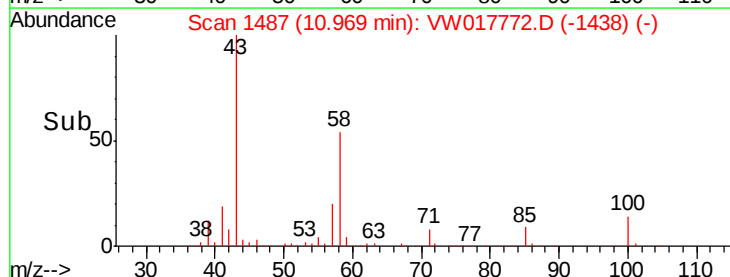
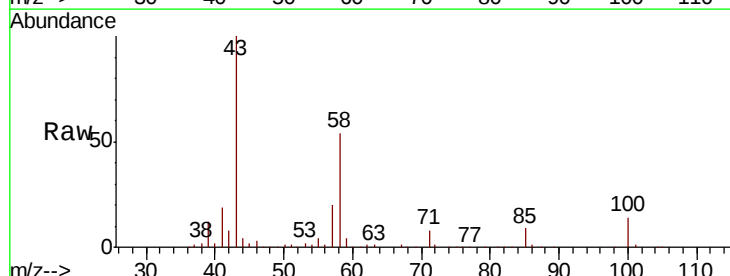
Ion Ratio Lower Upper

43 100

58 54.7 46.8 70.2

57 16.7 14.6 22.0

100 13.0 11.7 17.5



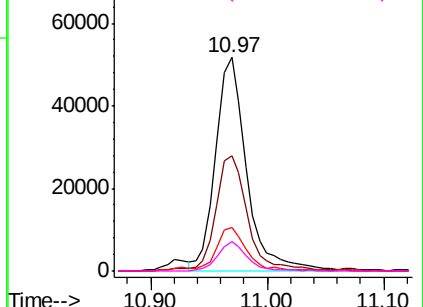
Abundance

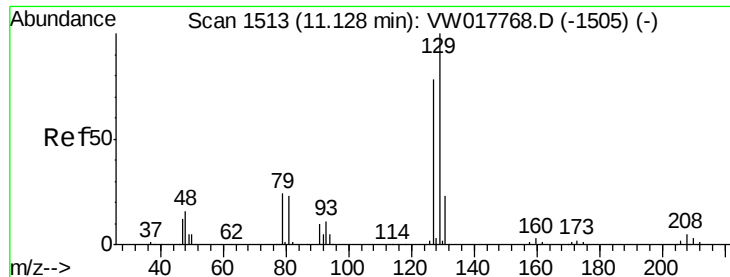
Ion 43.00 (42.70 to 43.70): VW

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: 27.175 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

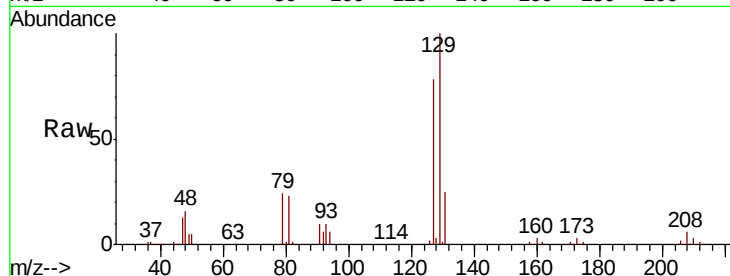
VSTD025105

Tot Ion:129 Resp: 94585

Ion Ratio Lower Upper

129 100

127 78.3 51.6 95.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

60000

50000

40000

30000

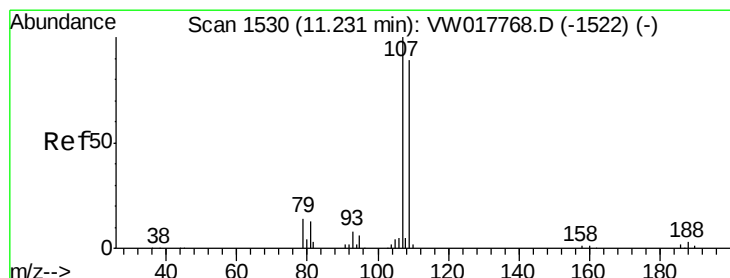
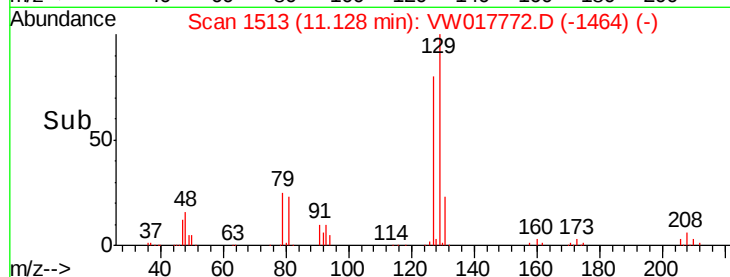
20000

10000

0

11.10 11.20

Time-->



#50

1,2-Dibromoethane

Concen: 28.167 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

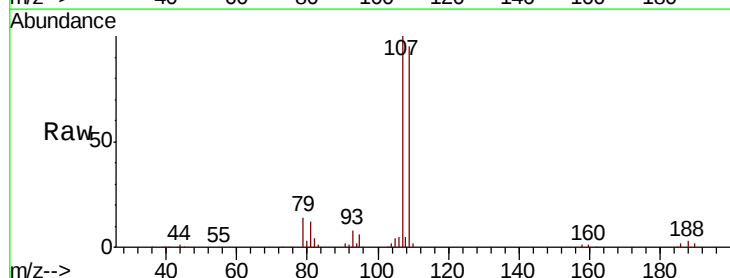
Tgt Ion:107 Resp: 80019

Ion Ratio Lower Upper

107 100

109 95.0 69.3 128.7

188 2.6 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

11.23

60000

50000

40000

30000

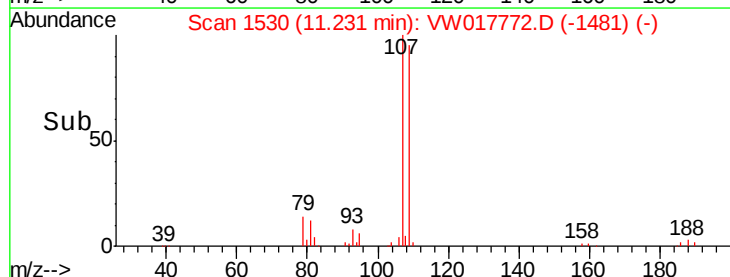
20000

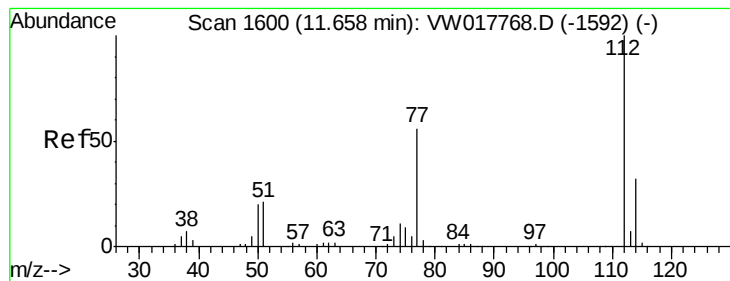
10000

0

11.15 11.20 11.25 11.30

Time-->





#51

Chlorobenzene

Concen: 27.704 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

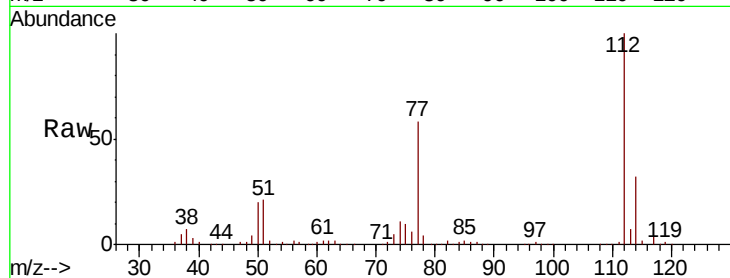
Tot Ion:112 Resp: 296695

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.3

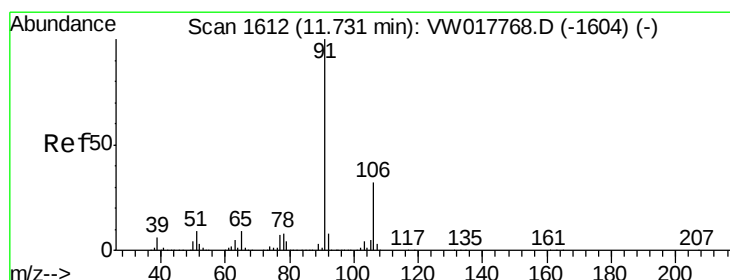
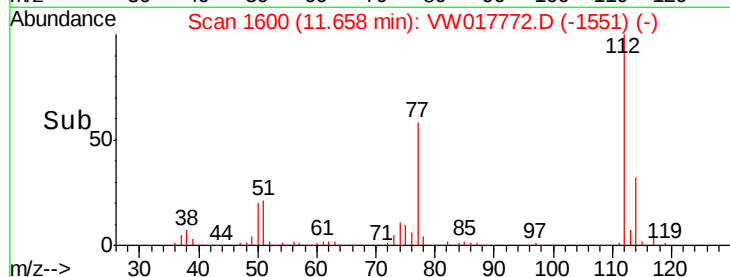
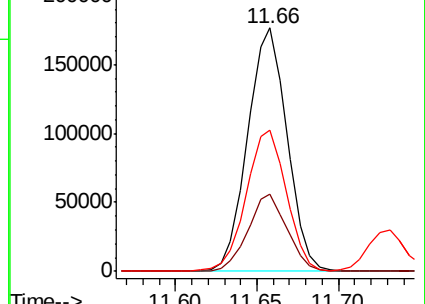
77 58.2 45.8 68.6



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: 28.130 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017772.D

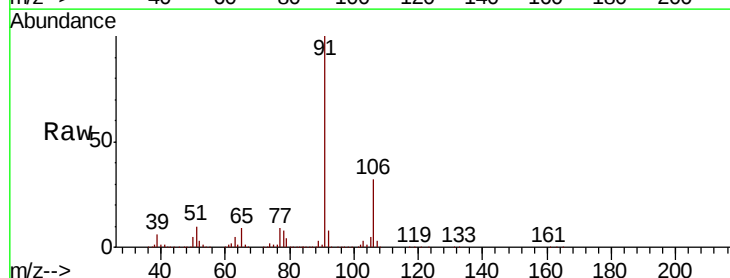
Acq: 29 Dec 2020 16:07

Tgt Ion: 91 Resp: 538196

Ion Ratio Lower Upper

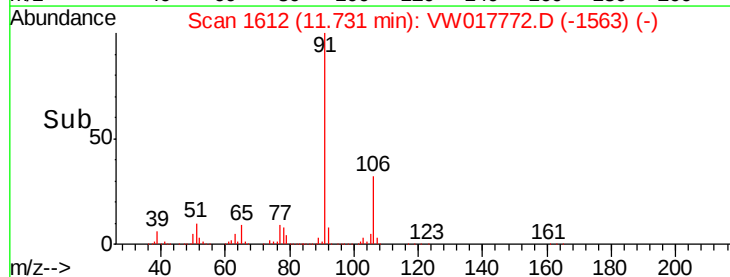
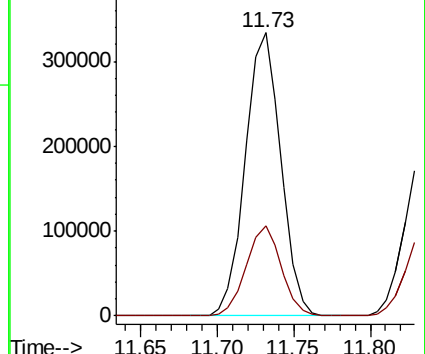
91 100

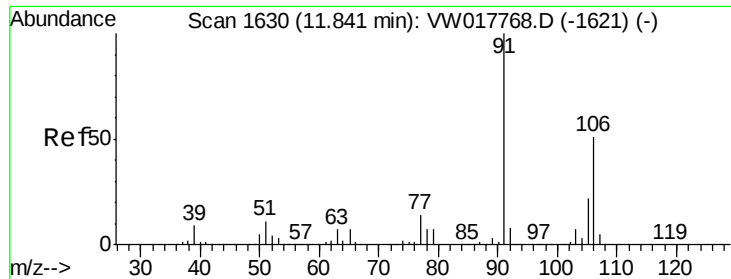
106 31.9 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 27.962 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

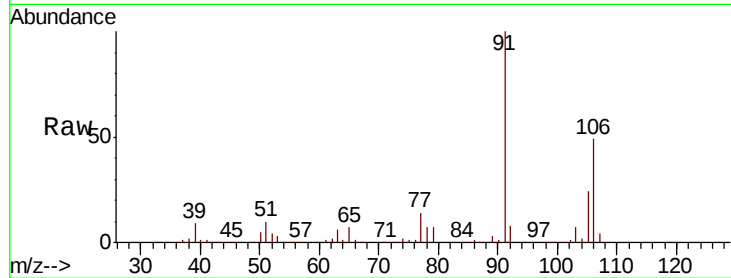
VSTD025105

Tot Ion:106 Resp: 206563

Ion Ratio Lower Upper

106 100

91 204.1 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

200000

100000

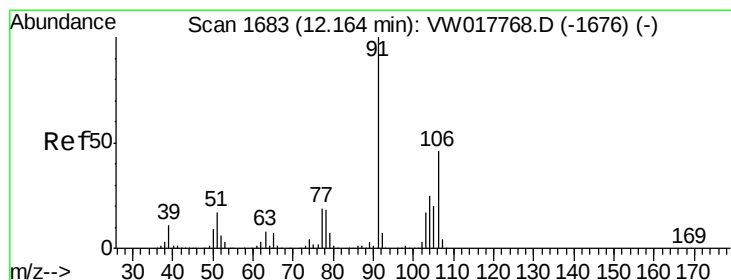
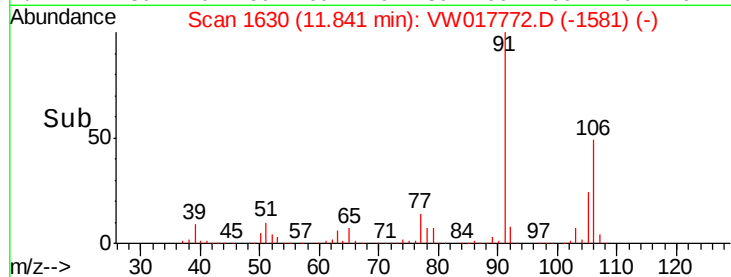
0

11.80

11.84

11.90

Time-->



#54

o-Xylene

Concen: 28.102 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017772.D

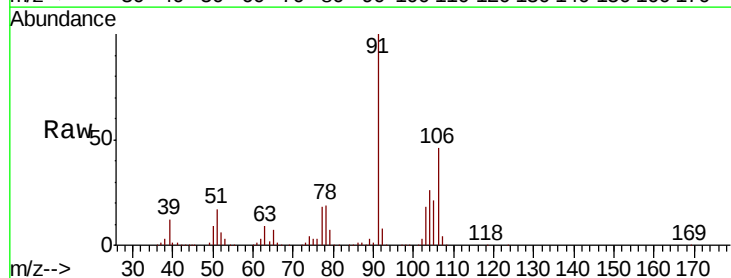
Acq: 29 Dec 2020 16:07

Tgt Ion:106 Resp: 198030

Ion Ratio Lower Upper

106 100

91 217.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

250000

200000

150000

100000

50000

0

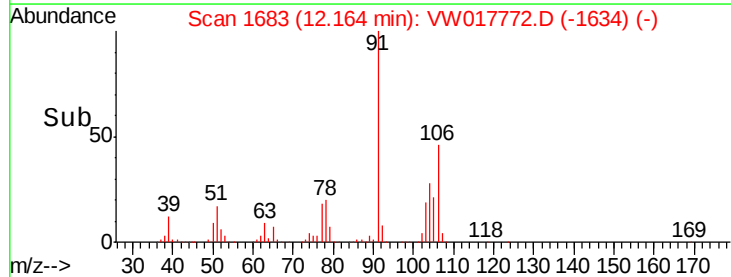
12.10

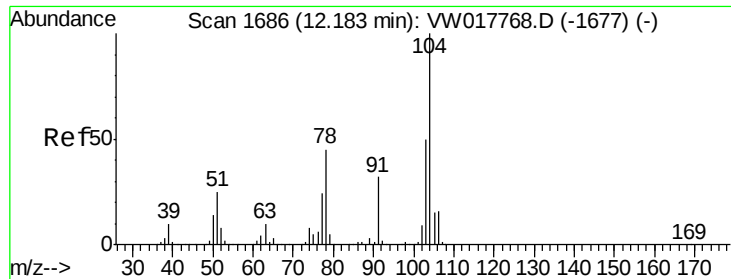
12.16

12.20

12.25

Time-->





#55

Stvrene

Concen: 28.240 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

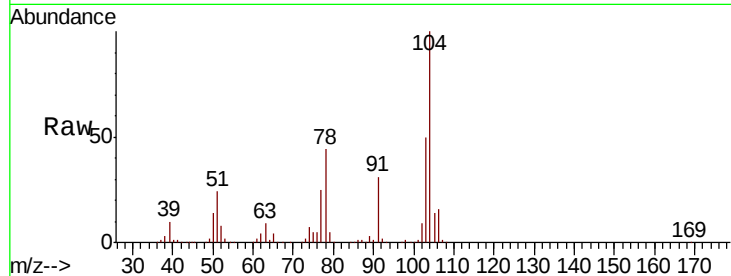
VSTD025105

Tot Ion:104 Resp: 340691

Ion Ratio Lower Upper

104 100

78 43.7 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW

12.18

200000

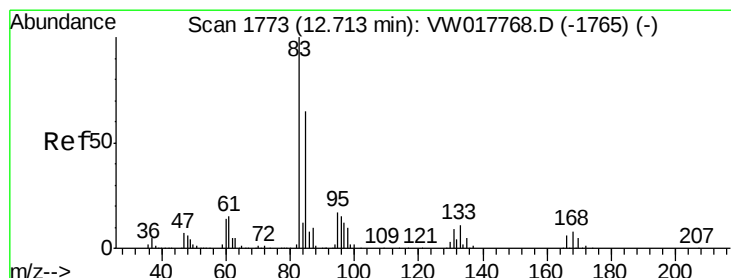
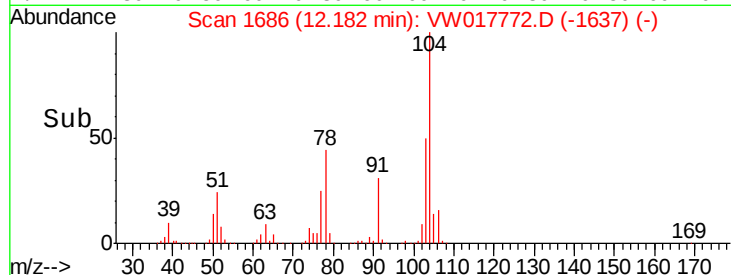
150000

100000

50000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 29.299 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

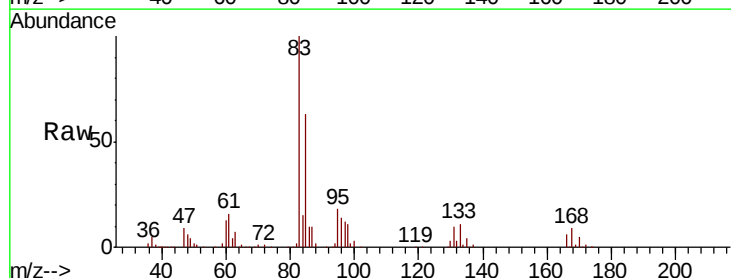
Tgt Ion: 83 Resp: 102728

Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.7

131 9.9 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW

12.71

80000

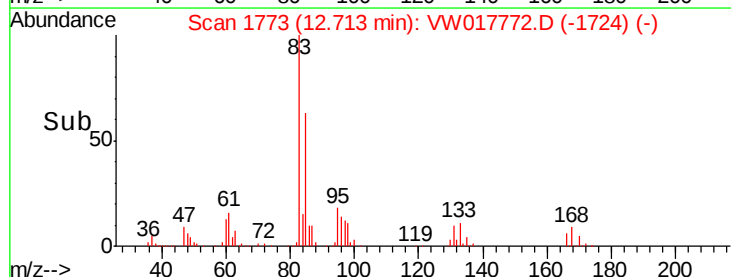
60000

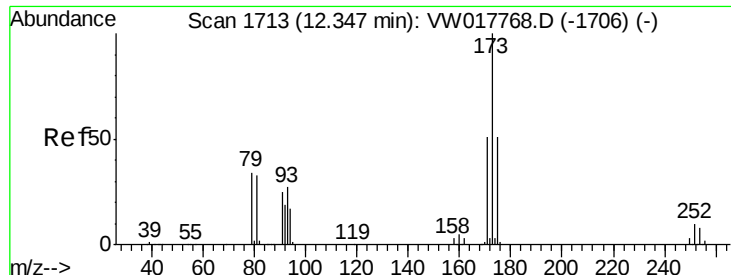
40000

20000

0

Time-->

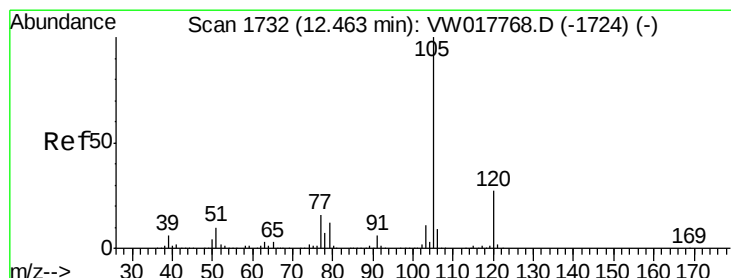
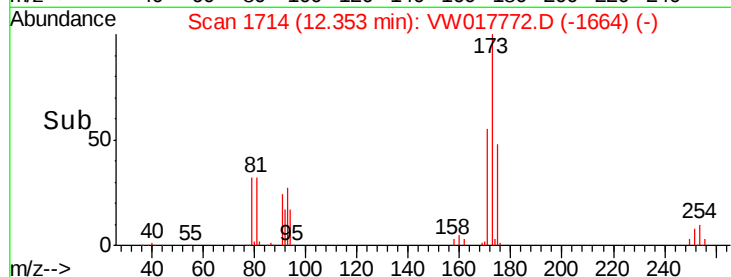
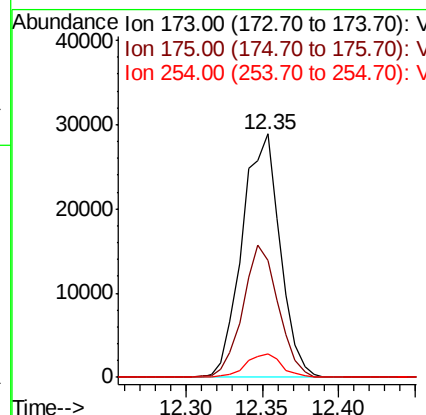
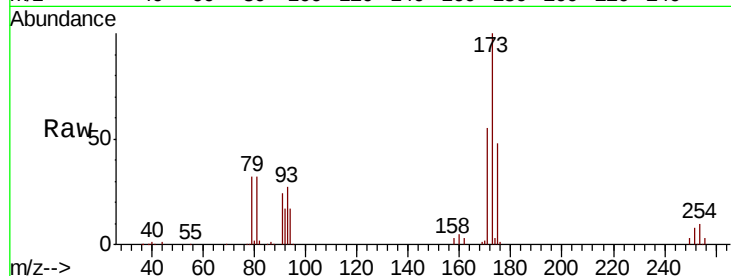




#59
Bromoform
Concen: 26.098 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

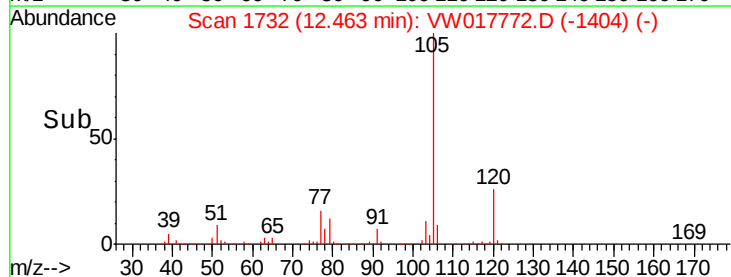
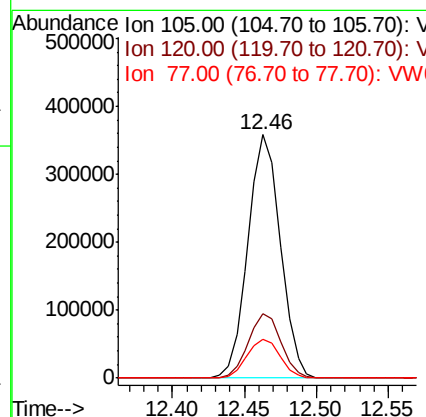
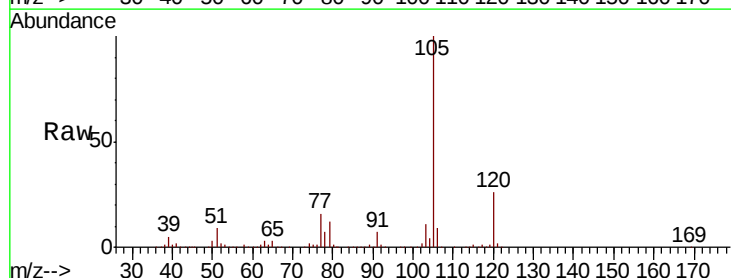
Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

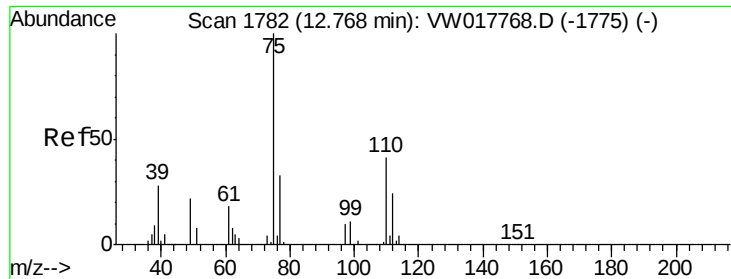
Tot Ion:173 Resp: 49791
Ion Ratio Lower Upper
173 100
175 50.8 38.0 57.0
254 9.1 4.8 7.2#



#60
Isopropylbenzene
Concen: 29.048 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion:105 Resp: 558018
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8
77 16.3 12.9 19.3

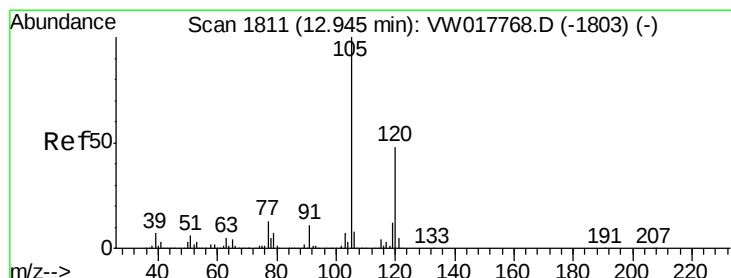
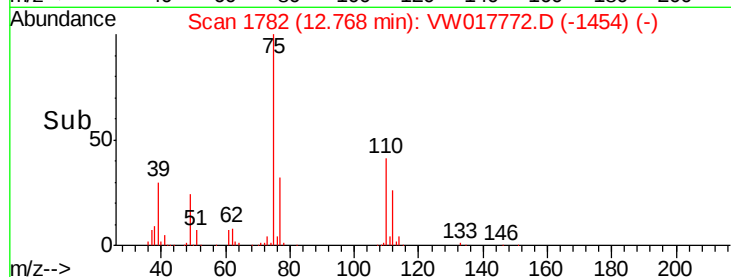
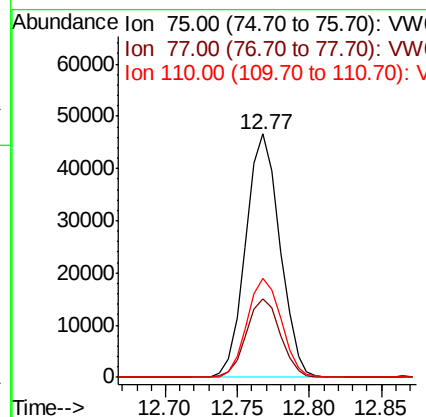
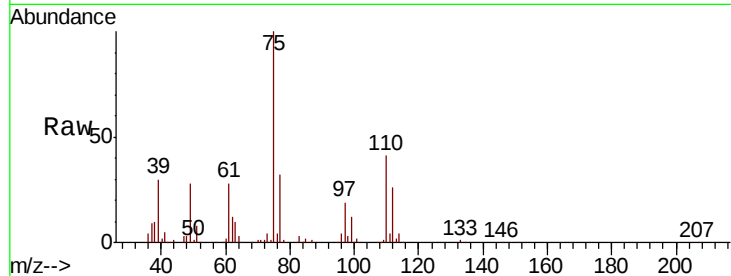




#61
 1,2,3-Trichloropropane
 Concen: 28.878 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

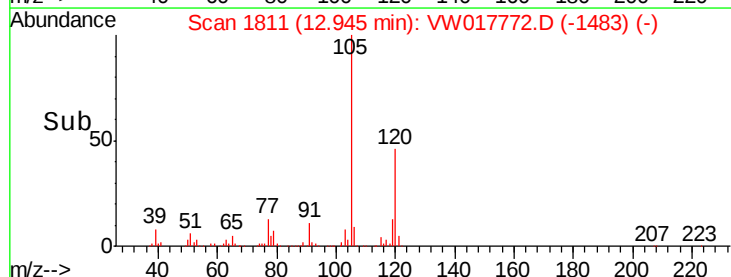
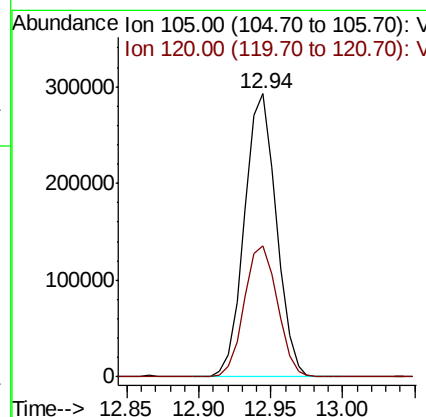
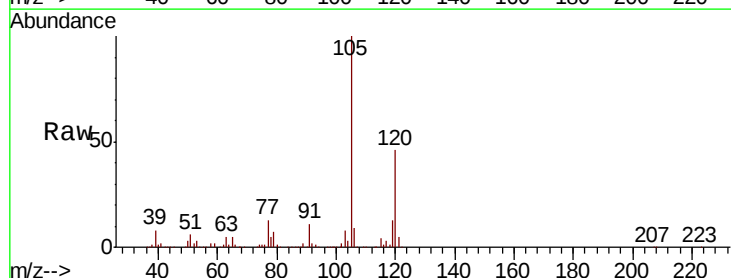
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025105

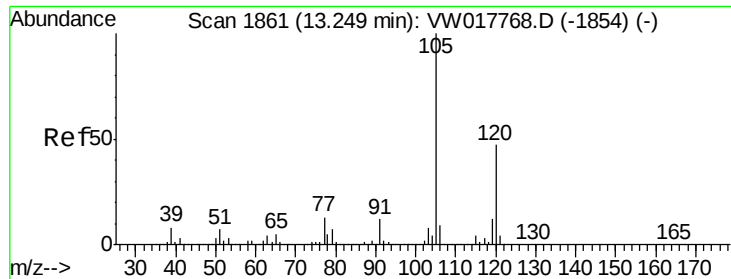
Tot Ion: 75 Resp: 76728
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5
 110 40.9 33.0 49.6



#62
 1,3,5-Trimethylbenzene
 Concen: 28.605 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

Tgt Ion: 105 Resp: 449843
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.7 58.1

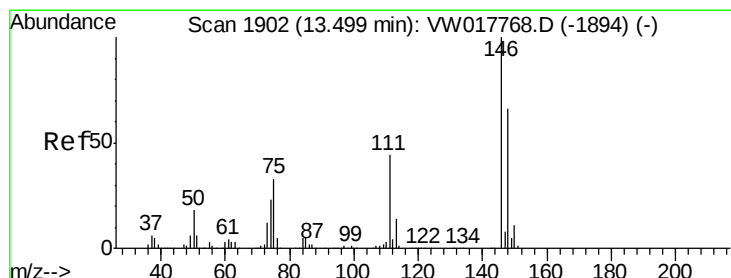
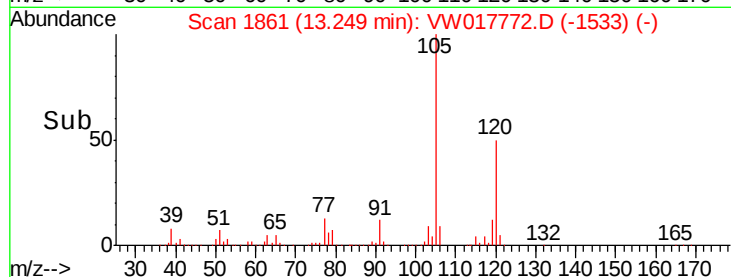
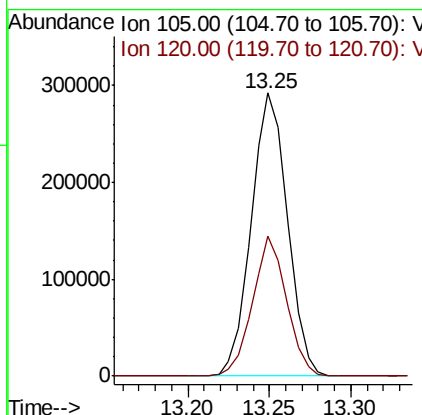
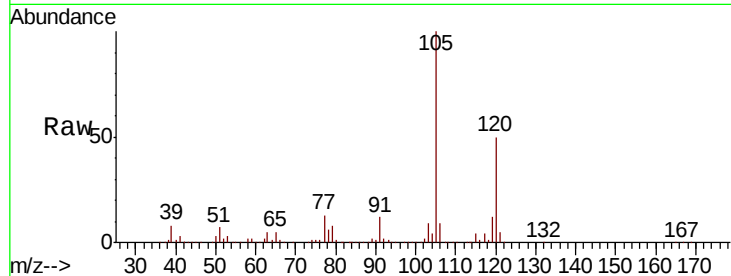




#63
 1,2,4-Trimethylbenzene
 Concen: 28.416 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

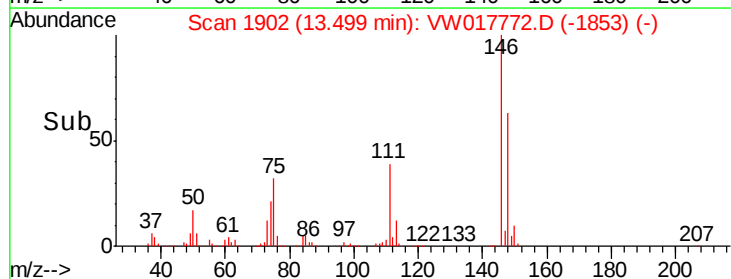
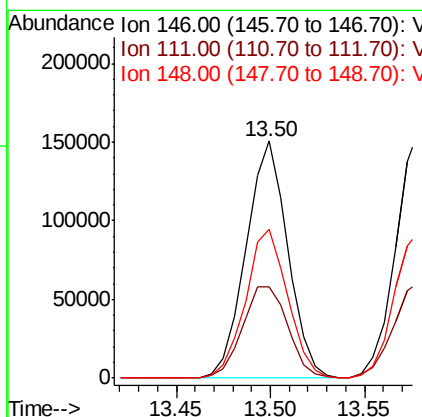
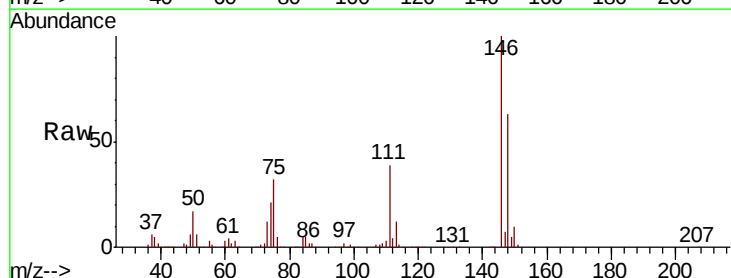
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025105

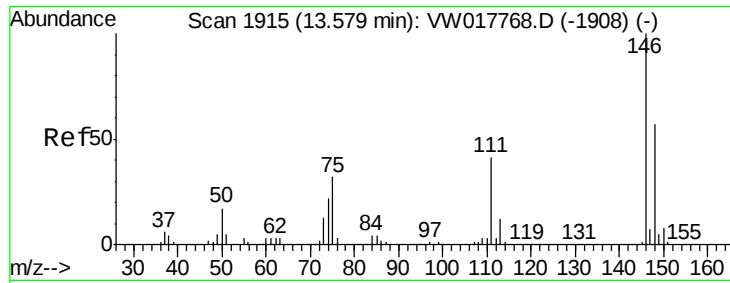
Tot Ion:105 Resp: 449763
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.5 56.3



#64
 1,3-Dichlorobenzene
 Concen: 27.786 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

Tgt Ion:146 Resp: 231422
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.8 53.6
 148 62.8 43.0 80.0

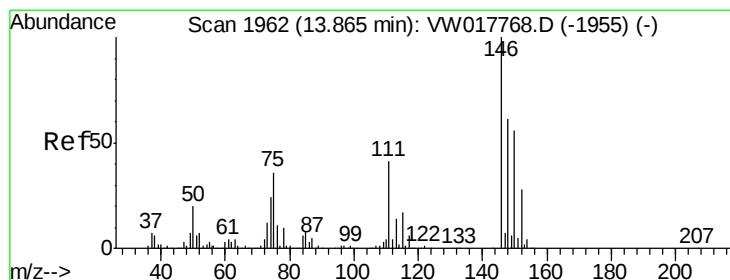
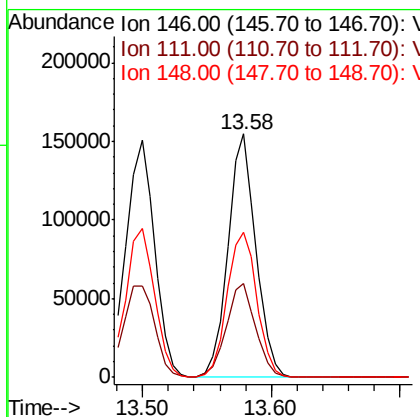
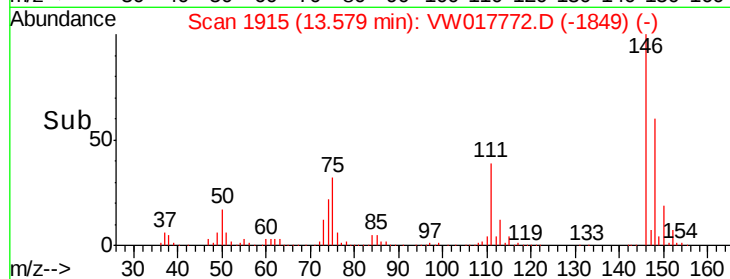
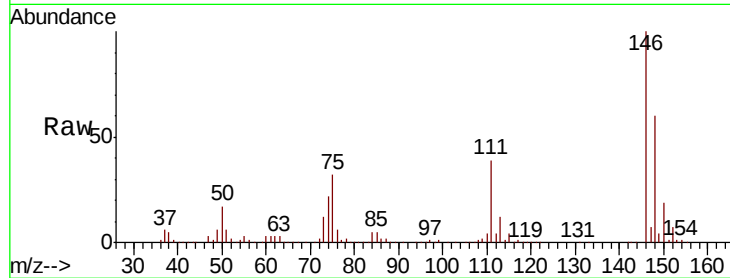




#65
 1,4-Dichlorobenzene
 Concen: 28.146 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

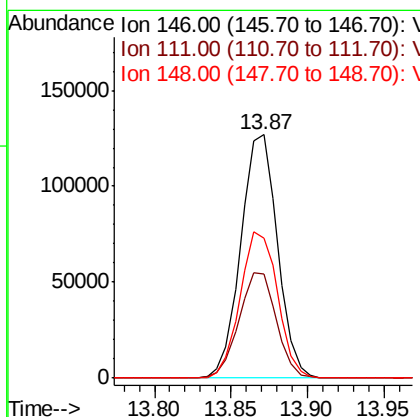
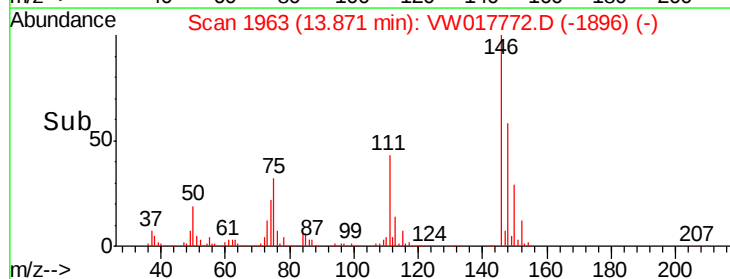
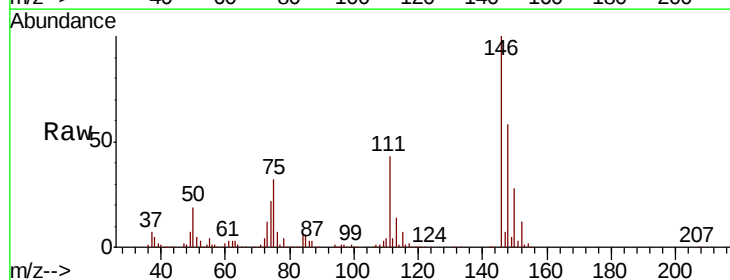
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025105

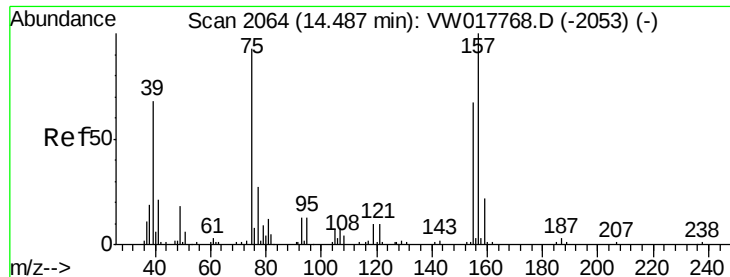
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.6	51.2
148	59.7	42.4	78.6



#67
 1,2-Dichlorobenzene
 Concen: 27.858 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	30.6	45.8
148	57.6	48.1	72.1





#68

1,2-Dibromo-3-chloropropane

Concen: 28.544 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025105

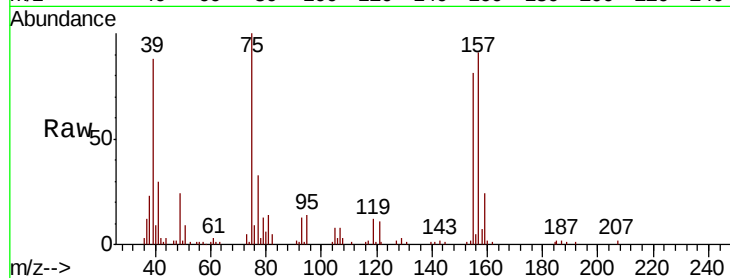
Tot Ion: 75 Resp: 17317

Ion Ratio Lower Upper

75 100

155 81.0 54.9 82.3

157 90.8 70.4 105.6

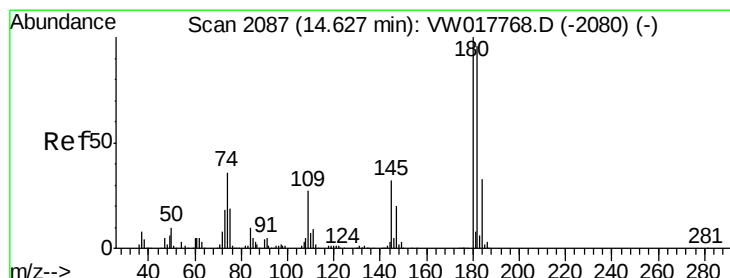
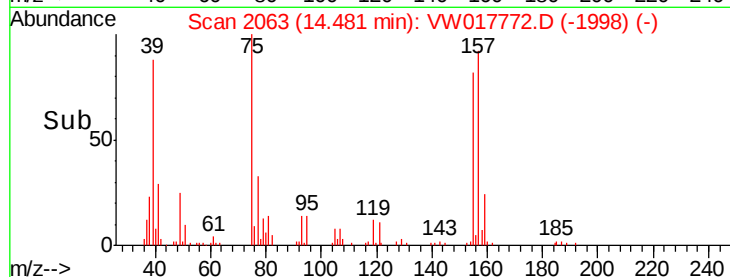
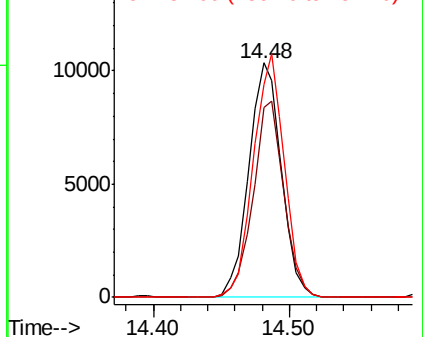


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#69

1,3,5-Trichlorobenzene

Concen: 28.315 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017772.D

Acq: 29 Dec 2020 16:07

Tgt Ion:180 Resp: 159656

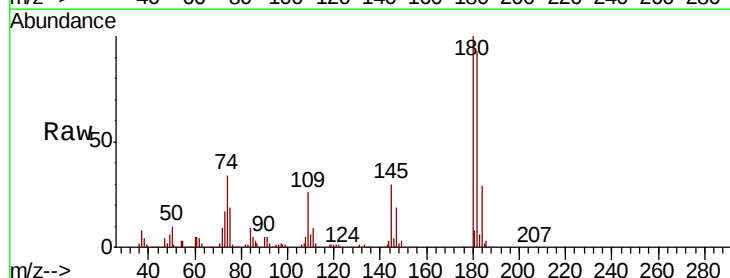
Ion Ratio Lower Upper

180 100

182 94.7 76.1 114.1

184 29.5 24.2 36.4

145 31.5 25.6 38.4



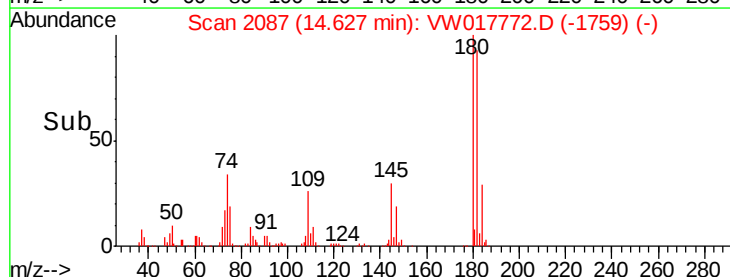
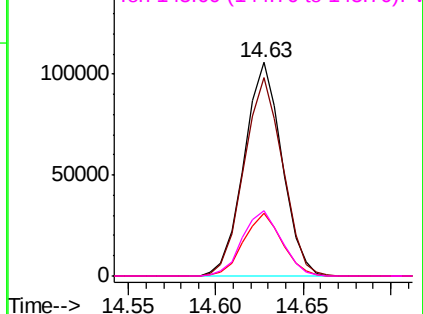
Abundance

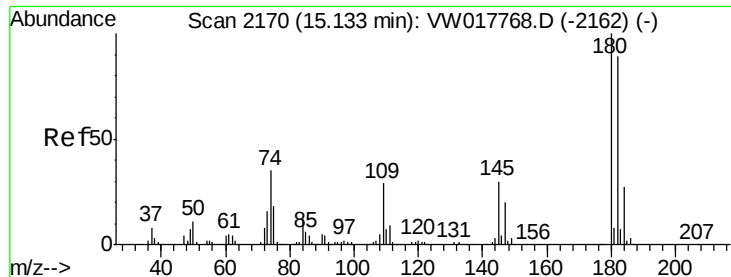
Ion 180.00 (179.70 to 180.70): V

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

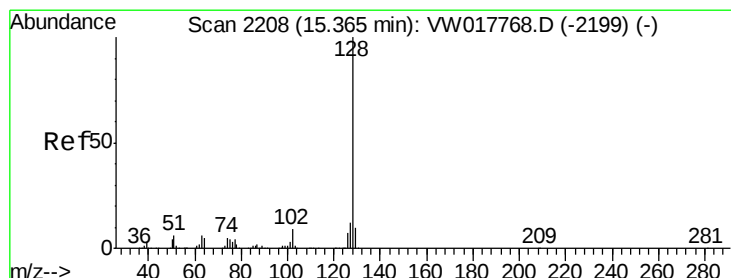
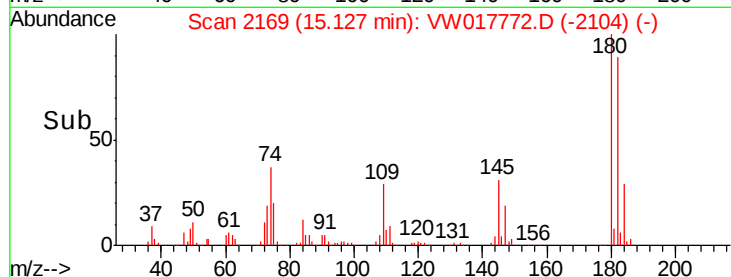
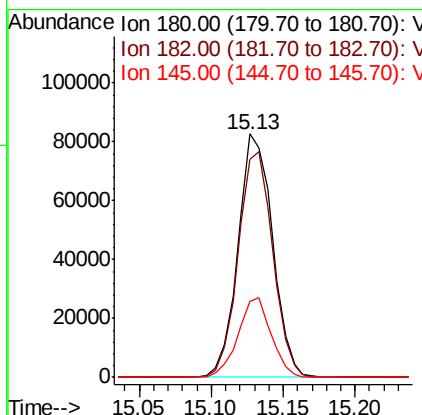
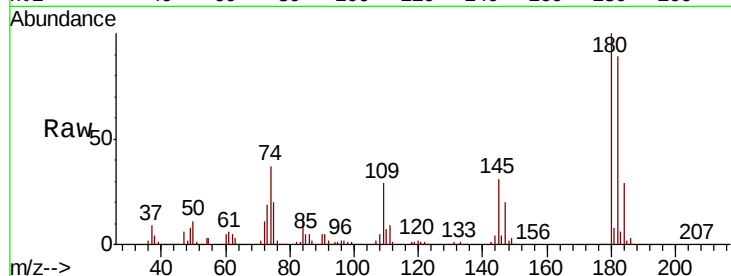




#70
1,2,4-trichlorobenzene
Concen: 28.145 ug/L
RT: 15.13 min Scan# 2169
Delta R.T. -0.01 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

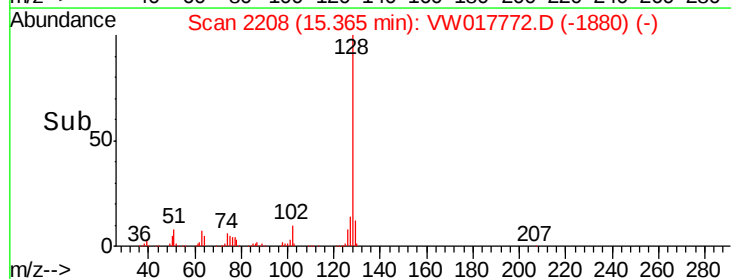
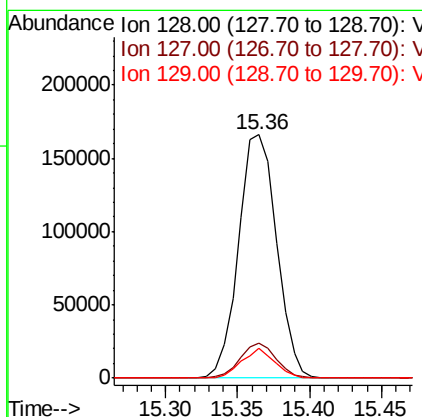
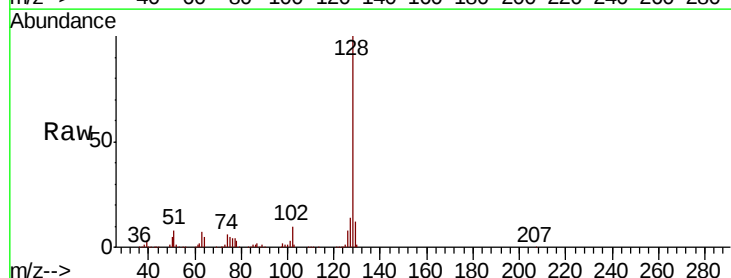
Instrument :
MSVOA_W
ClientSampleId :
VSTD025105

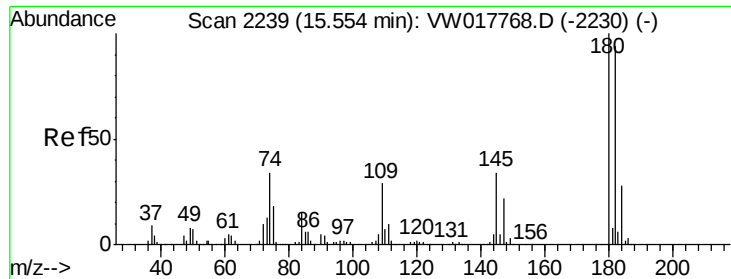
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	72.3	108.5
145	31.4	25.6	38.4



#71
Naphthalene
Concen: 29.052 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017772.D
Acq: 29 Dec 2020 16:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	10.6	8.8	13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 27.790 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW017772.D
 Acq: 29 Dec 2020 16:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025105

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	92.9	74.5	111.7	
145	33.4	27.1	40.7	

