

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122420\NOT REVIEWED DATA\
 Data File : VW017727.D
 Acq On : 24 Dec 2020 09:29
 Operator : SY/VA
 Sample : VSTD00502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Quant Time: Dec 24 12:39:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	377124	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	338602	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	170723	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30835	5.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	21.12%#
7) Chloroethane-d5	2.89	69	25463	5.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	21.16%#
10) 1,1-Dichloroethene-d2	4.02	63	54701	5.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	21.52%#
20) 2-Butanone-d5	7.08	46	11758	12.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.86%
24) Chloroform-d	7.65	84	53541	5.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	21.72%#
26) 1,2-Dichloroethane-d4	8.30	65	28640	5.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	22.44%#
29) Benzene-d6	8.27	84	101118	5.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	21.20%
33) 1,2-Dichloropropane-d6	9.27	67	27358	5.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	20.80%#
37) Toluene-d8	10.32	98	95001	5.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	20.76%#
38) trans-1,3-Dichloropropene-	10.58	79	12203	5.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	20.84%#
39) 2-Hexanone-d5	10.93	63	7974	12.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	22101	5.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	22.64%#
61) 1,2-Dichlorobenzene-d4	13.85	152	31157	5.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	20.96%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	23564	5.659	ug/L 93
3) Chloromethane	2.21	50	18665	5.043	ug/L 92
5) Vinyl chloride	2.36	62	33431	5.339	ug/L 93
6) Bromomethane	2.78	94	25179	5.423	ug/L 99
8) Chloroethane	2.93	64	20443	5.208	ug/L 99
9) Trichlorofluoromethane	3.26	101	23347	4.545	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	25569	5.333	ug/L # 79
12) 1,1-Dichloroethene	4.04	96	24480	5.267	ug/L 96
13) Acetone	4.13	43	9117	11.164	ug/L 95
14) Carbon disulfide	4.39	76	70487	5.079	ug/L 99
15) Methyl Acetate	4.67	43	10081	6.369	ug/L 98
16) Methylene chloride	4.92	84	17432	3.232	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	35297	5.992	ug/L # 84
18) trans-1,2-Dichloroethene	5.42	96	25719	5.130	ug/L 95
19) 1,1-Dichloroethane	6.21	63	46036	5.375	ug/L 98
21) 2-Butanone	7.18	43	12625	11.493	ug/L 85
22) cis-1,2-Dichloroethene	7.17	96	28790	5.465	ug/L 97

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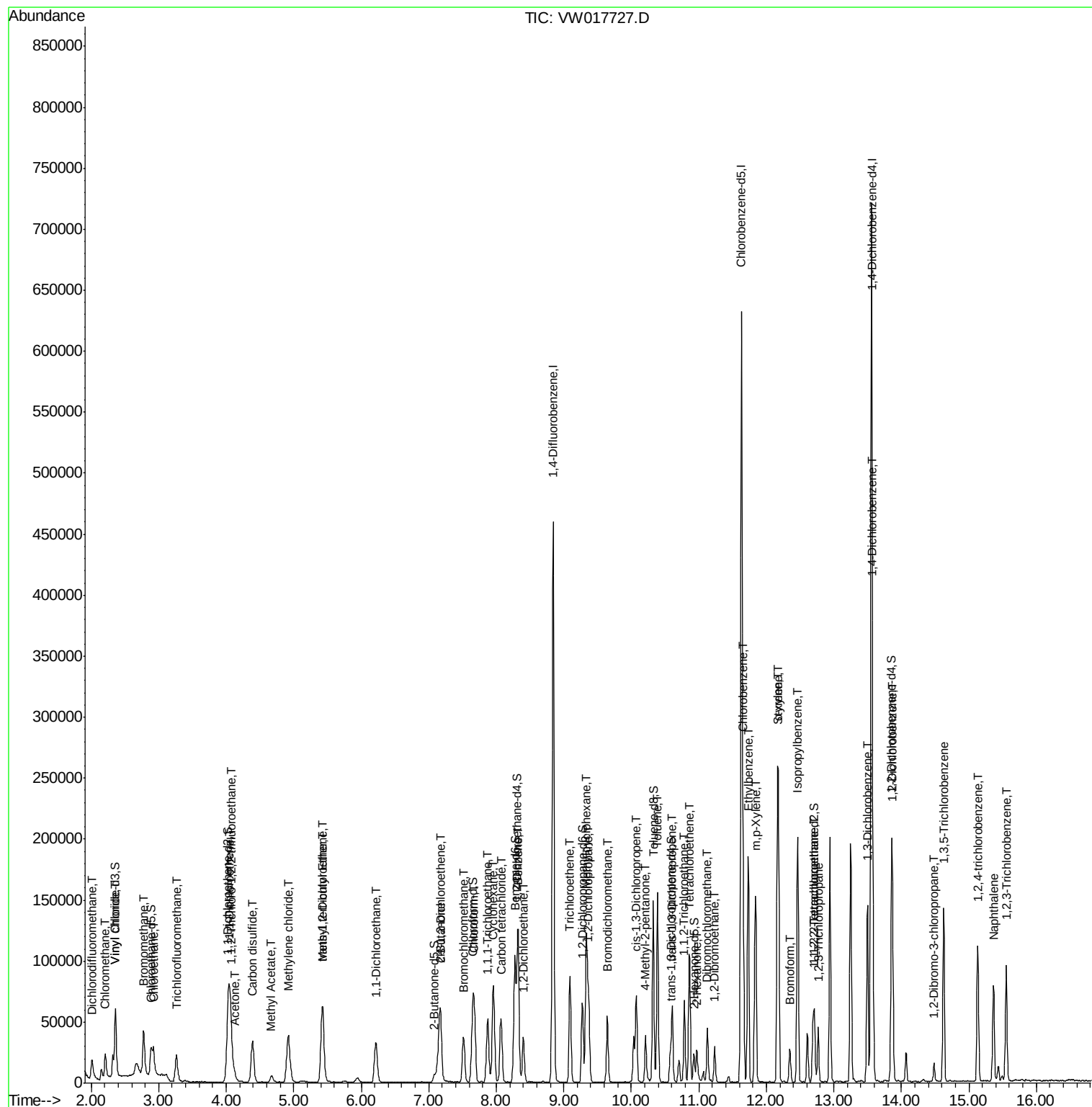
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	12511	5.606	ug/L	89
25) Chloroform	7.68	83	48396	5.370	ug/L	98
27) 1,2-Dichloroethane	8.40	62	33659	5.774	ug/L	98
30) Cyclohexane	7.96	56	43141	5.353	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	41105	5.277	ug/L	98
32) Carbon tetrachloride	8.07	117	36761	5.003	ug/L	96
34) Benzene	8.32	78	104377	5.391	ug/L	100
35) Trichloroethene	9.09	95	28469	5.313	ug/L	96
36) Methylcyclohexane	9.34	83	49347	5.268	ug/L	98
40) 1,2-Dichloropropane	9.37	63	25124	5.497	ug/L	99
41) Bromodichloromethane	9.65	83	33160	5.300	ug/L #	98
42) cis-1,3-Dichloropropene	10.07	75	38840	5.325	ug/L	92
43) 4-Methyl-2-pentanone	10.21	43	27285	12.288	ug/L	97
44) Toluene	10.39	91	114293	5.177	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	32743	5.272	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	19715	5.803	ug/L	99
47) Tetrachloroethene	10.86	164	21347	5.095	ug/L	95
49) 2-Hexanone	10.98	43	18498	11.742	ug/L	98
50) Dibromochloromethane	11.13	129	21728	5.387	ug/L	91
51) 1,2-Dibromoethane	11.24	107	18755	5.831	ug/L	93
52) Chlorobenzene	11.66	112	72600	5.268	ug/L	91
53) Ethylbenzene	11.73	91	130338	5.203	ug/L	98
54) m,p-Xylene	11.84	106	48990	5.000	ug/L	98
55) o-xylene	12.16	106	46928	5.092	ug/L	96
56) Styrene	12.18	104	77095	5.030	ug/L	99
57) Isopropylbenzene	12.46	105	128054	5.019	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	22490	5.931	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	16841	6.042	ug/L	94
62) Bromoform	12.35	173	10514	5.033	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	54984	5.218	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	57277	5.409	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	50385	5.442	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	3646	5.979	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	38090	5.273	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	30676	5.159	ug/L	95
69) Naphthalene	15.36	128	64595	5.705	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	28051	5.587	ug/L	97

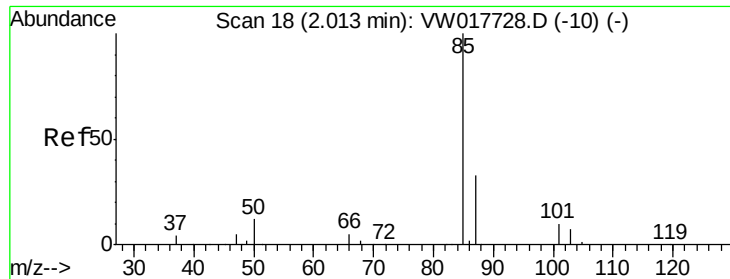
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.659 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

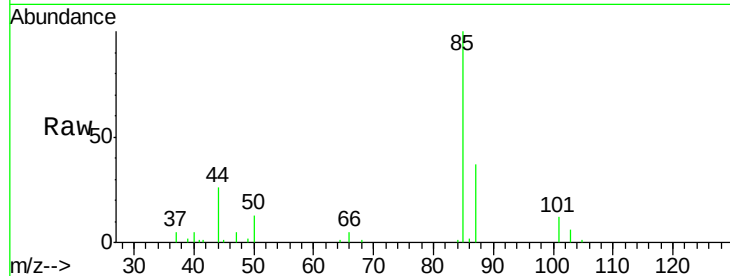
VSTD00502

Tgt Ion: 85 Resp: 23564

Ion Ratio Lower Upper

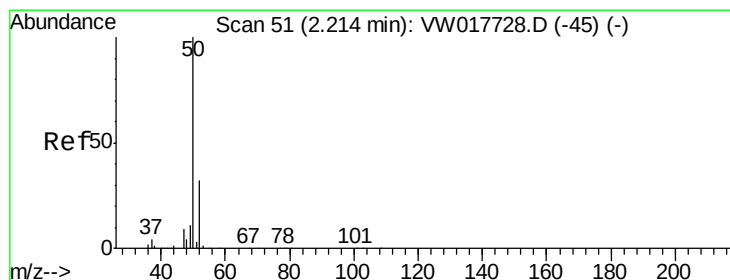
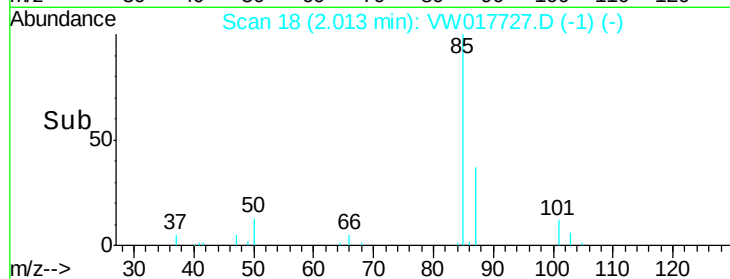
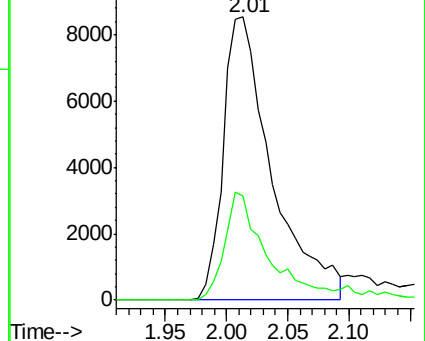
85 100

87 27.4 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.043 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017727.D

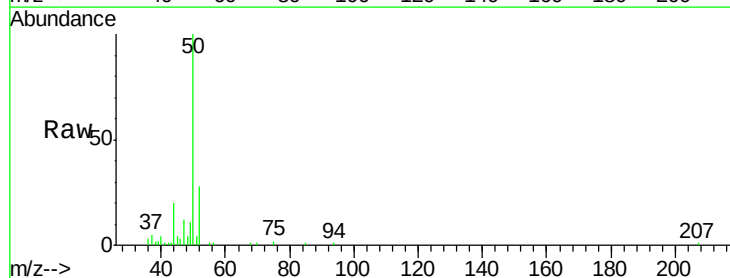
Acq: 24 Dec 2020 09:29

Tgt Ion: 50 Resp: 18665

Ion Ratio Lower Upper

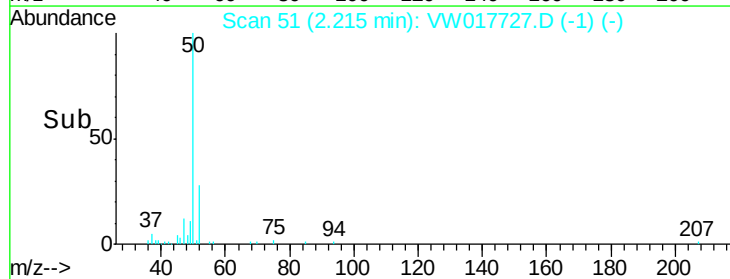
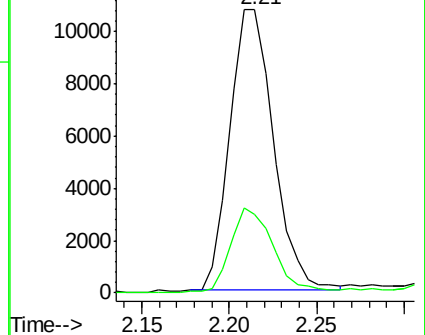
50 100

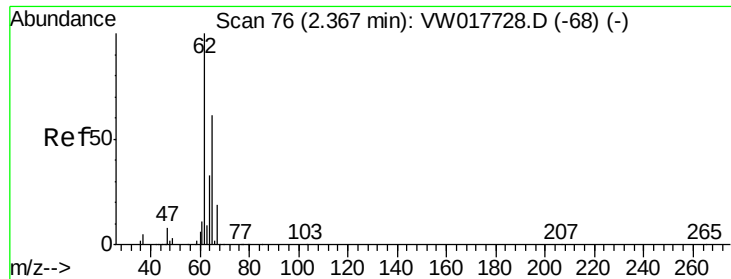
52 27.7 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.339 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

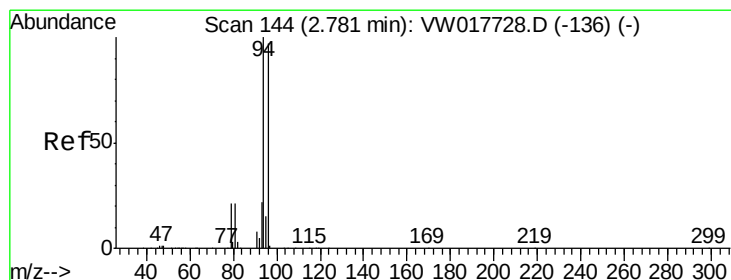
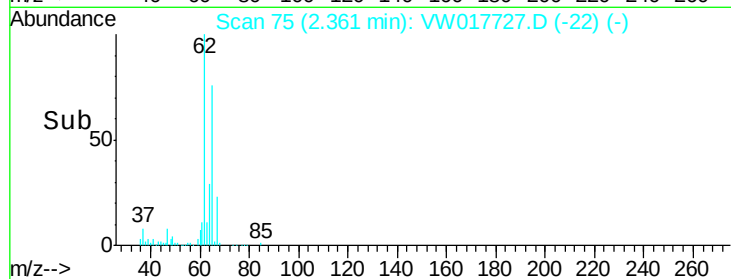
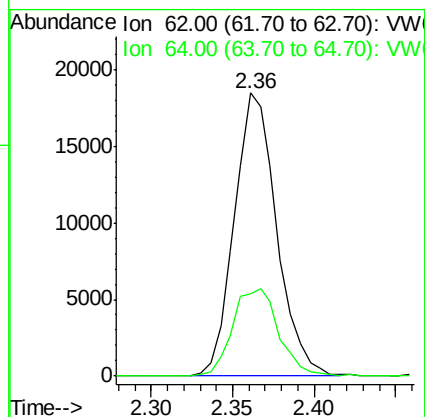
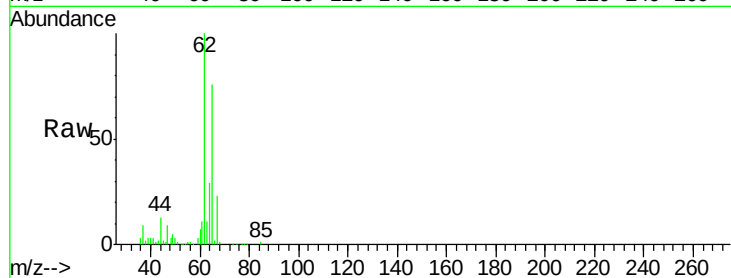
VSTD00502

Tgt Ion: 62 Resp: 33431

Ion Ratio Lower Upper

62 100

64 29.3 23.3 43.3



#6

Bromomethane

Concen: 5.423 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017727.D

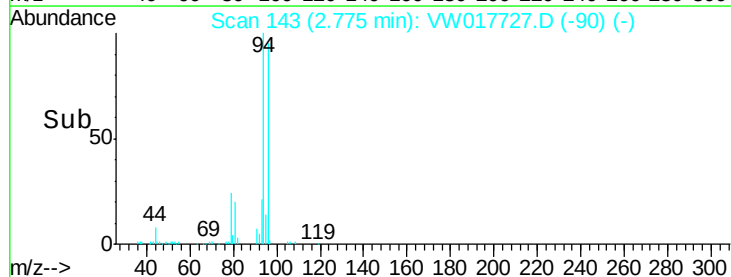
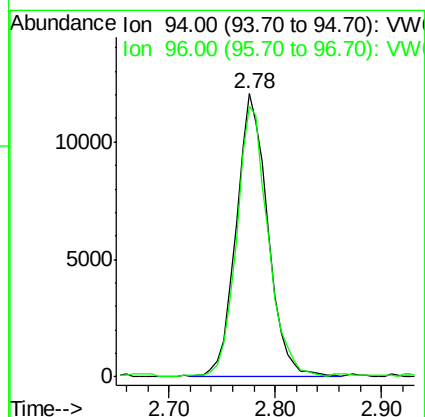
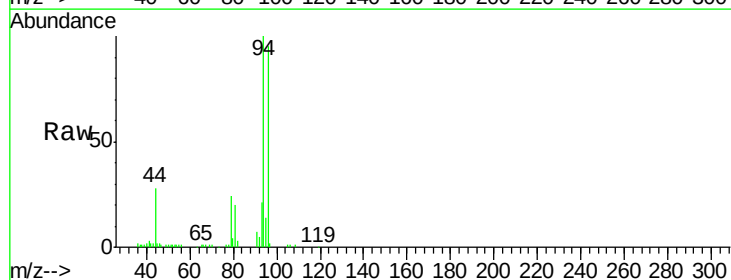
Acq: 24 Dec 2020 09:29

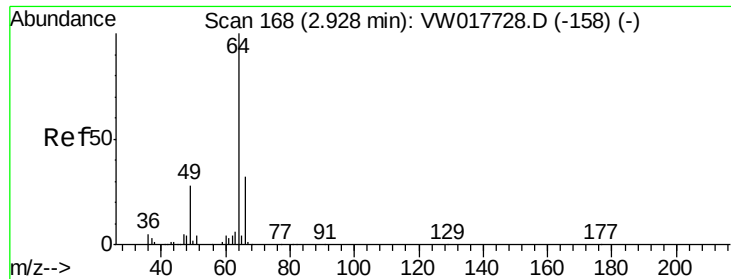
Tgt Ion: 94 Resp: 25179

Ion Ratio Lower Upper

94 100

96 95.4 9.4 178.6





#8

Chloroethane

Concen: 5.208 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

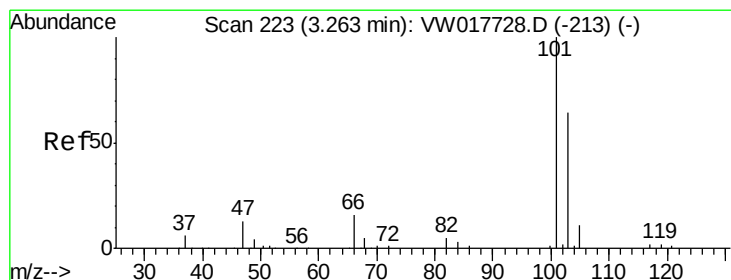
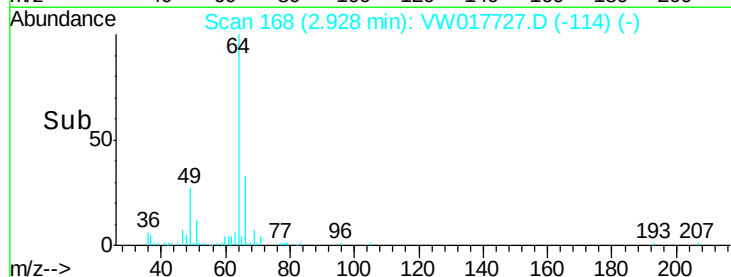
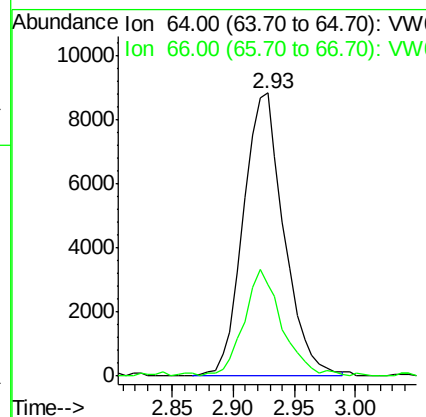
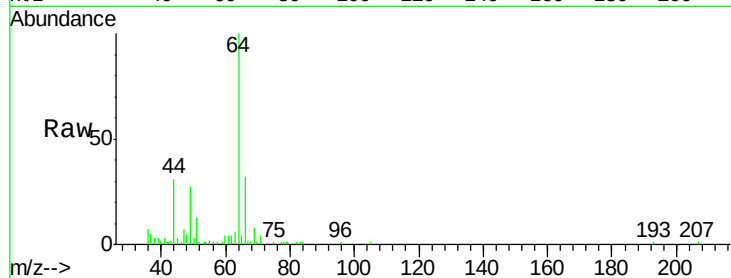
VSTD00502

Tgt Ion: 64 Resp: 20443

Ion Ratio Lower Upper

64 100

66 32.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.545 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017727.D

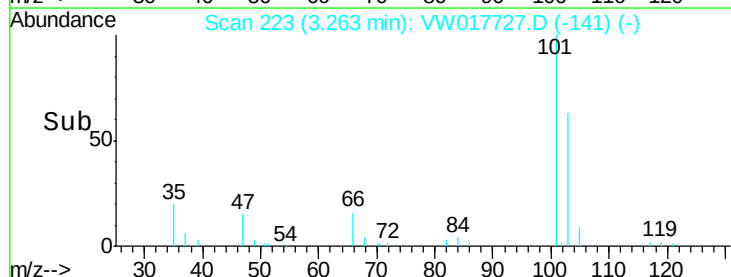
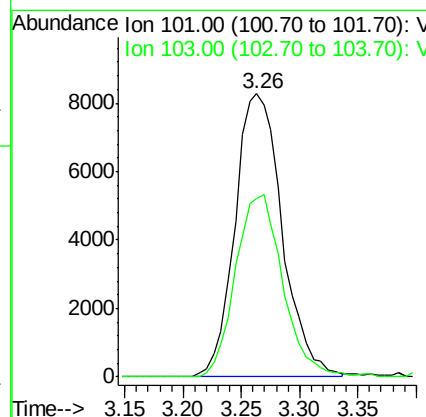
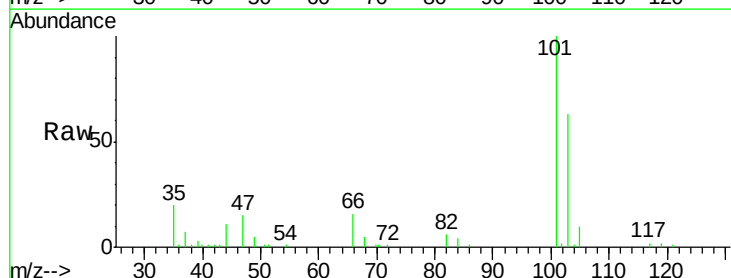
Acq: 24 Dec 2020 09:29

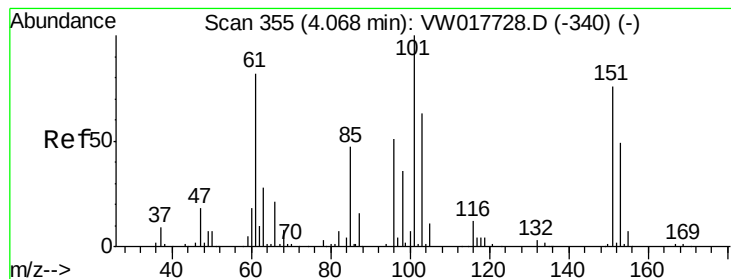
Tgt Ion: 101 Resp: 23347

Ion Ratio Lower Upper

101 100

103 64.2 46.0 85.4





#11

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

Concen: 5.333 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

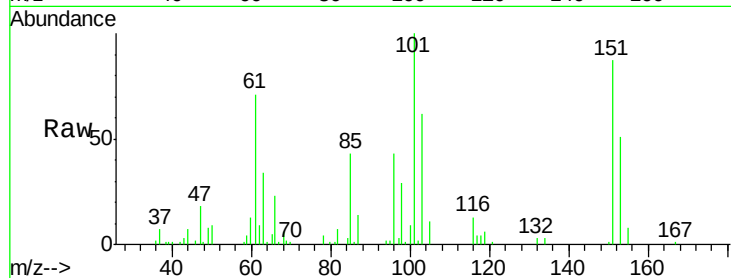
Tgt Ion: 101 Resp: 25569

Ion Ratio Lower Upper

101 100

85 19.1 36.7 55.1#

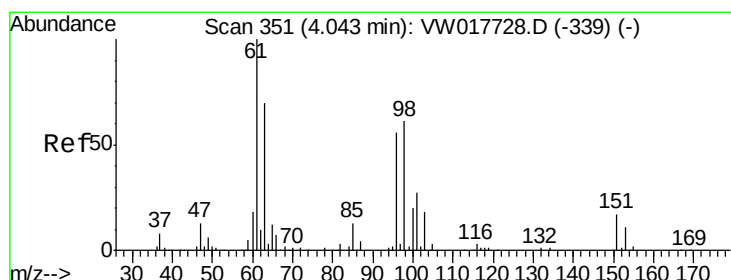
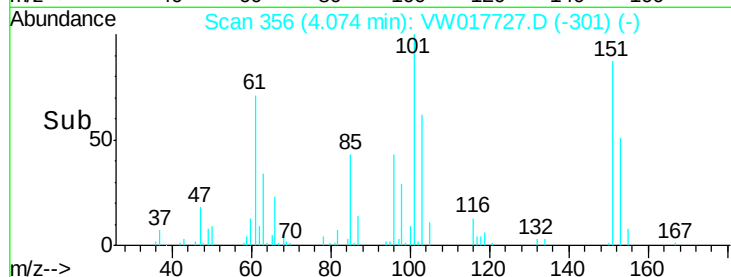
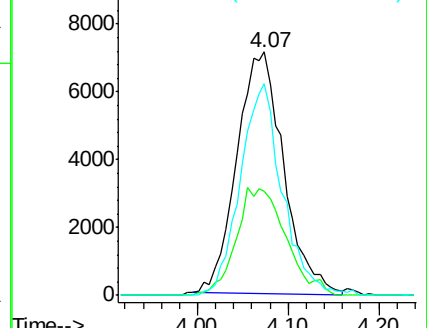
151 78.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.267 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

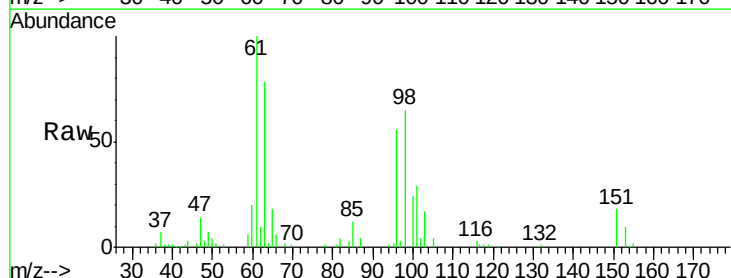
Tgt Ion: 96 Resp: 24480

Ion Ratio Lower Upper

96 100

61 178.8 126.1 234.1

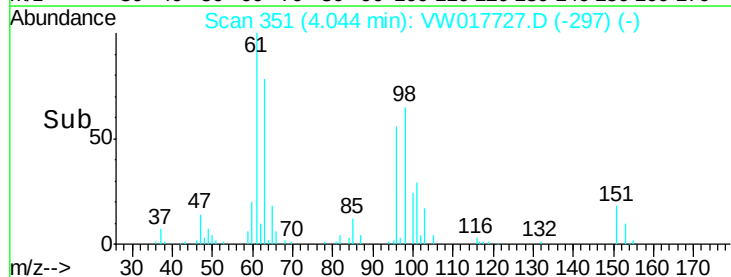
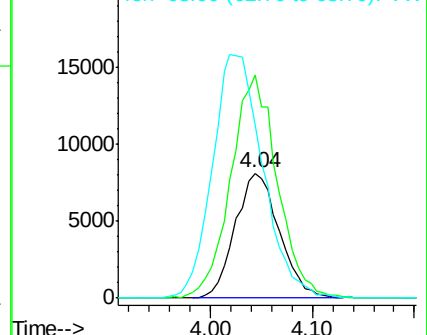
63 138.8 90.0 167.2

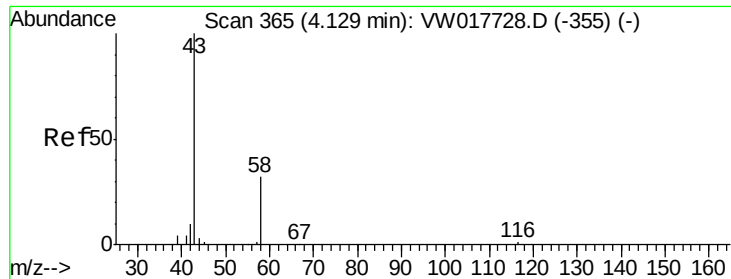


Abundance Ion 96.00 (95.70 to 96.70): VV

Ion 61.00 (60.70 to 61.70): VV

Ion 63.00 (62.70 to 63.70): VV





#13

Acetone

Concen: 11.164 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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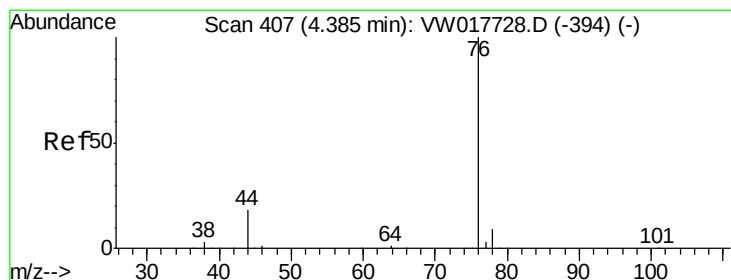
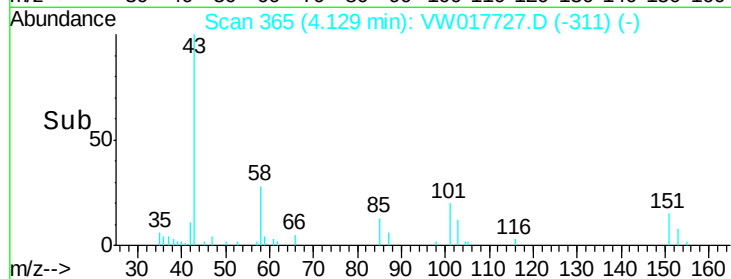
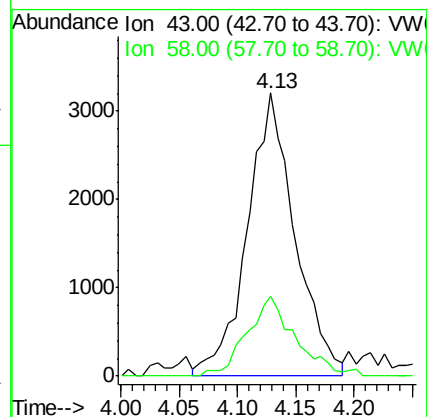
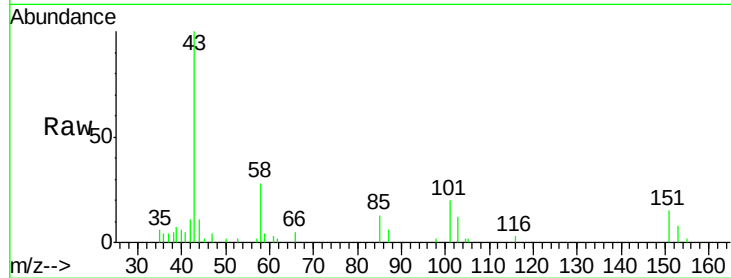
VSTD00502

Tgt Ion: 43 Resp: 9117

Ion Ratio Lower Upper

43 100

58 27.5 0.0 60.8



#14

Carbon disulfide

Concen: 5.079 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017727.D

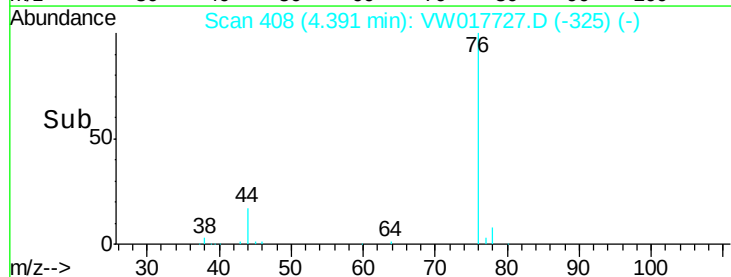
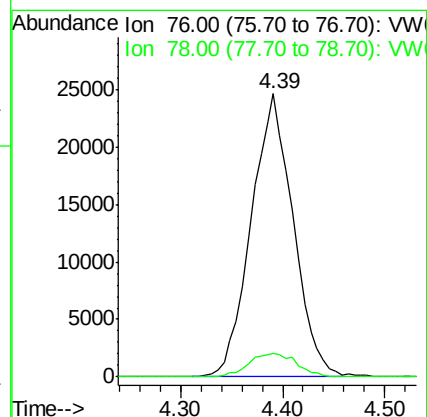
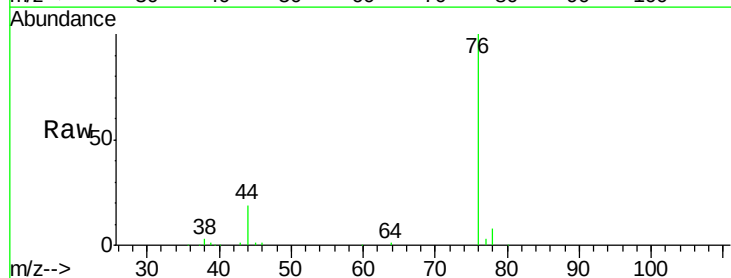
Acq: 24 Dec 2020 09:29

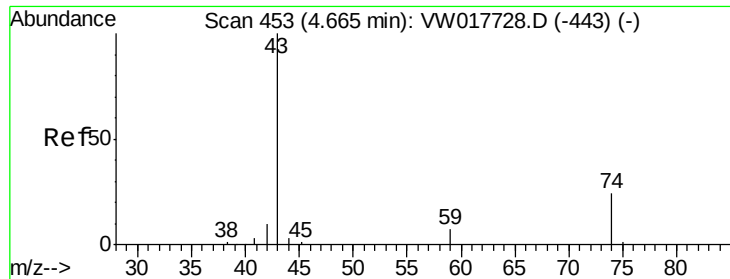
Tgt Ion: 76 Resp: 70487

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

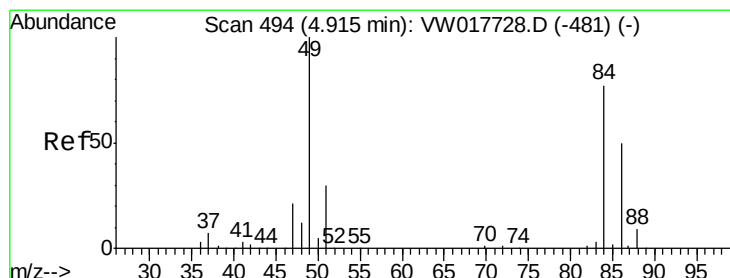
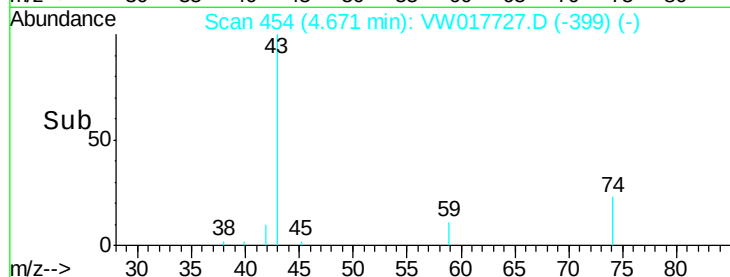
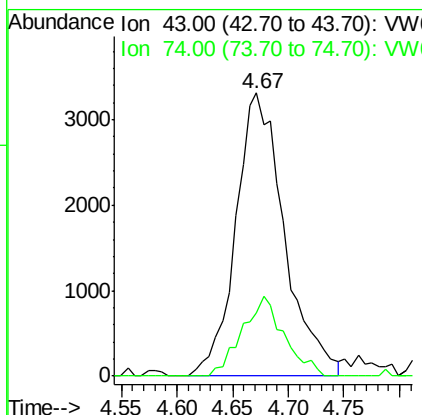
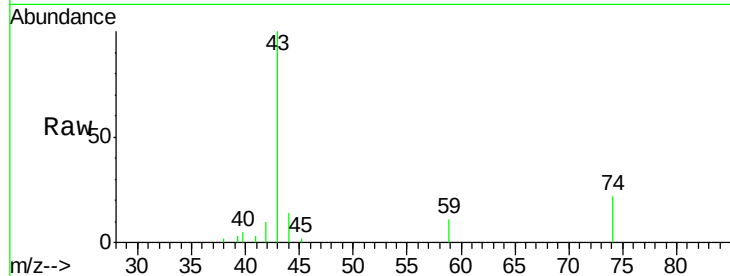




#15
Methyl Acetate
Concen: 6.369 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017727.D
Acq: 24 Dec 2020 09:29

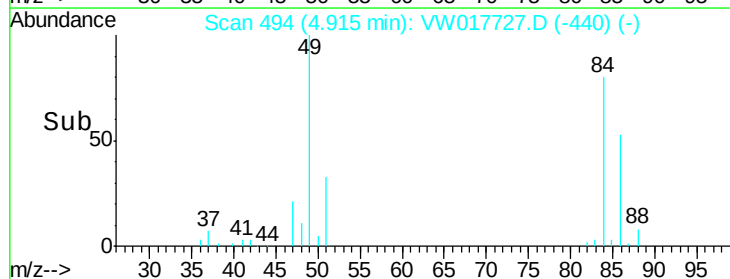
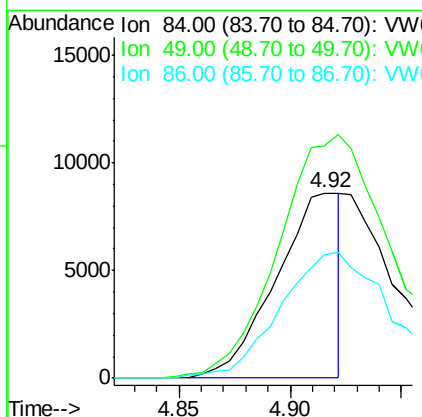
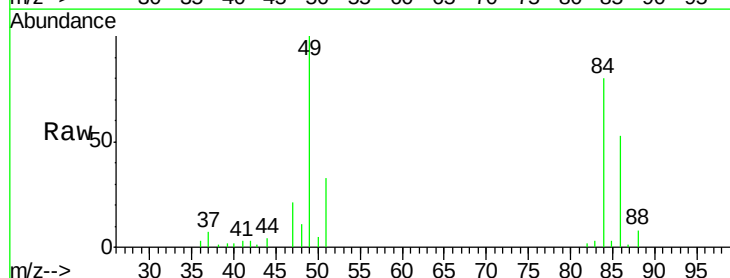
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

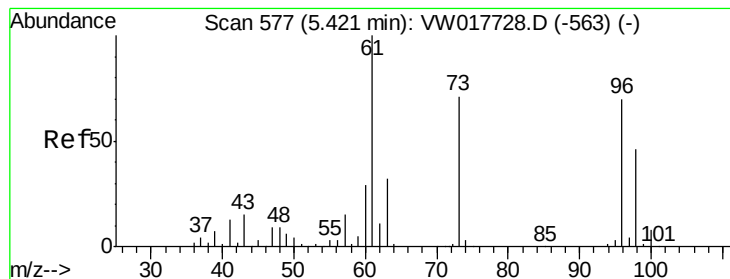
Tgt Ion: 43 Resp: 10081
Ion Ratio Lower Upper
43 100
74 24.4 20.2 30.4



#16
Methylene chloride
Concen: 3.232 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017727.D
Acq: 24 Dec 2020 09:29

Tgt Ion: 84 Resp: 17432
Ion Ratio Lower Upper
84 100
49 125.5 90.5 168.1
86 66.8 44.8 83.2





#17

Methyl tert-butyl Ether

Concen: 5.992 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

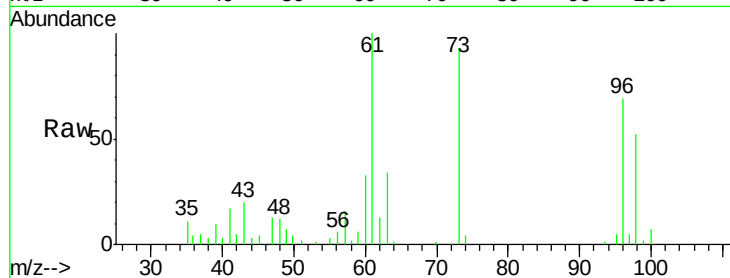
Tgt Ion: 73 Resp: 35297

Ion Ratio Lower Upper

73 100

43 12.8 17.1 25.7#

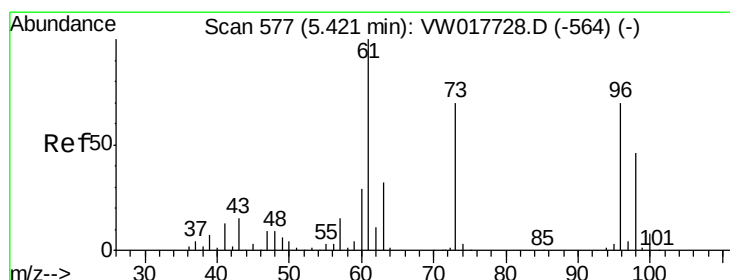
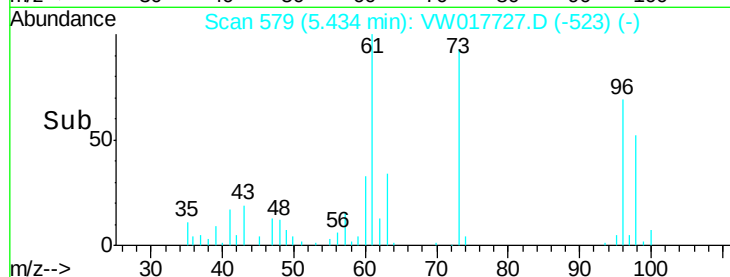
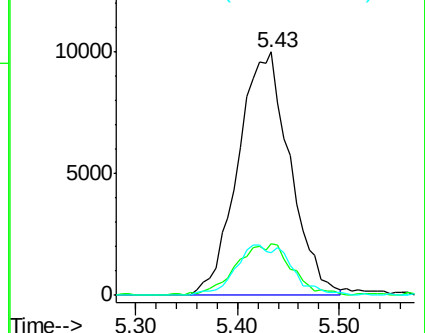
57 14.1 16.6 25.0#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 5.130 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

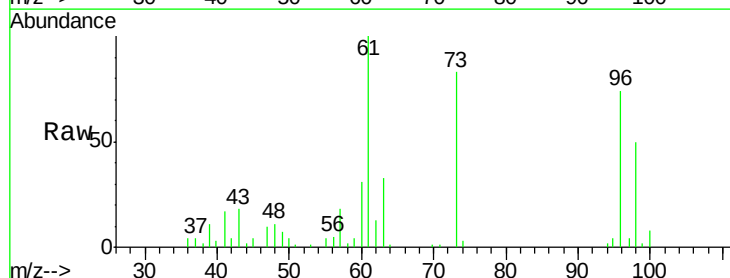
Tgt Ion: 96 Resp: 25719

Ion Ratio Lower Upper

96 100

61 134.3 99.5 184.9

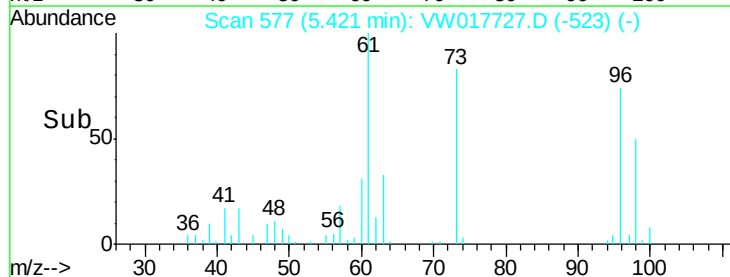
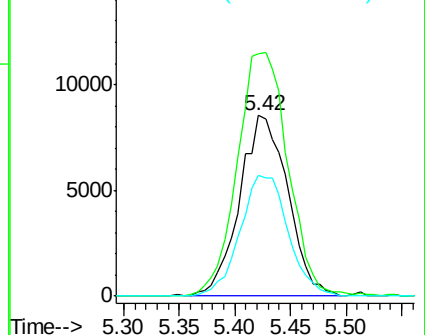
98 67.0 45.8 85.2

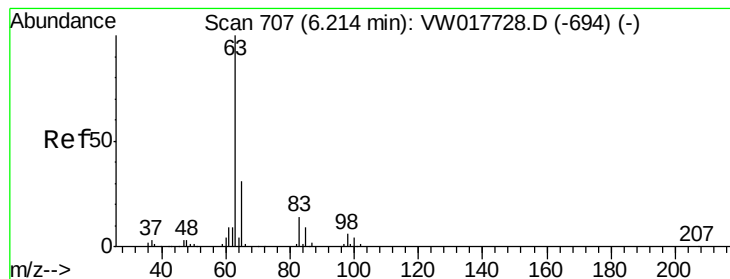


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 5.375 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

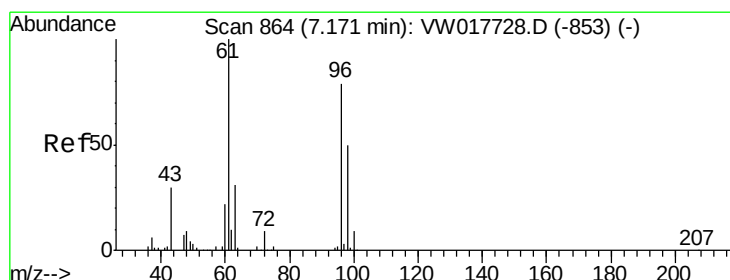
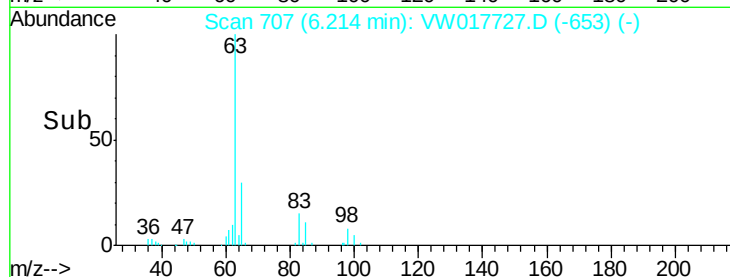
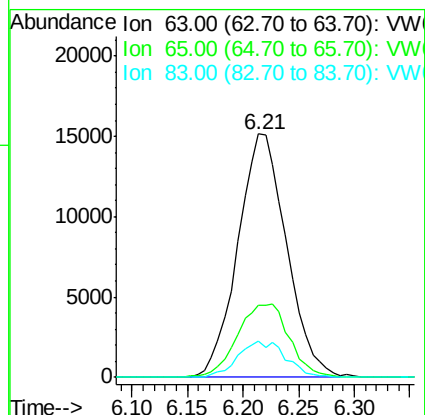
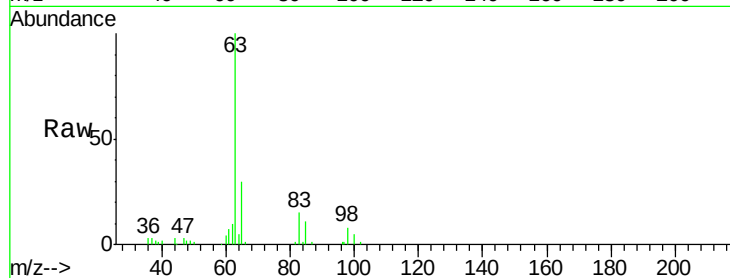
Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion:	63	Resp:	46036
Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.9	40.7
83	14.7	10.0	18.6



#21

2-Butanone

Concen: 11.493 ug/L

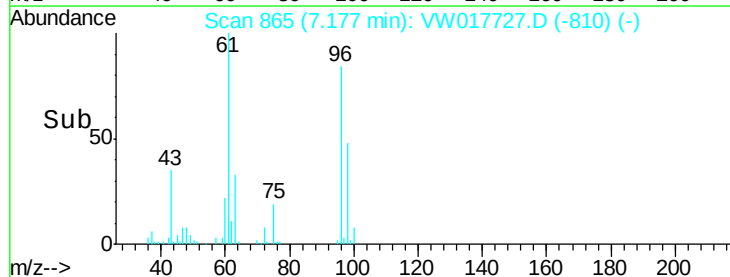
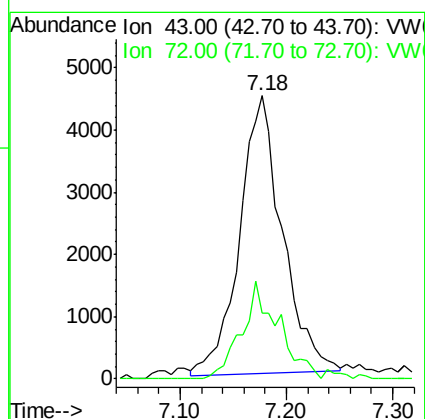
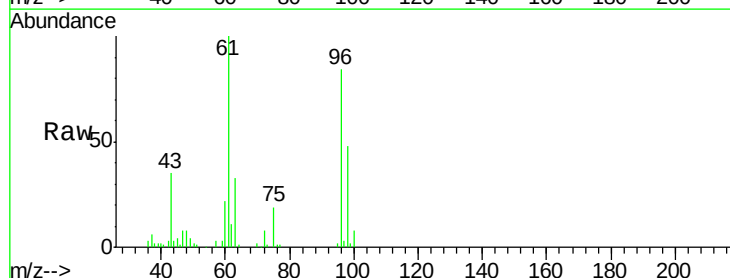
RT: 7.18 min Scan# 865

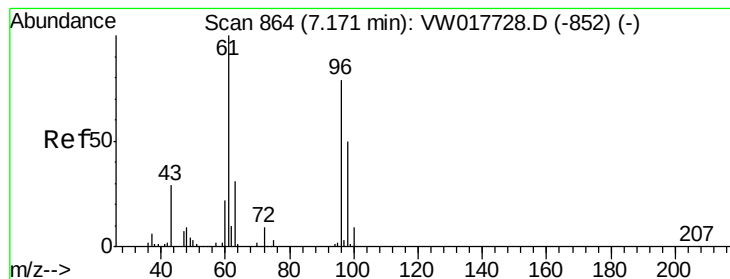
Delta R.T. 0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Tgt Ion:	43	Resp:	12625
Ion	Ratio	Lower	Upper
43	100		
72	22.6	15.4	46.2



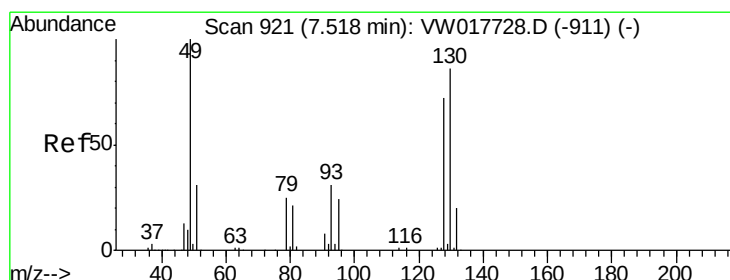
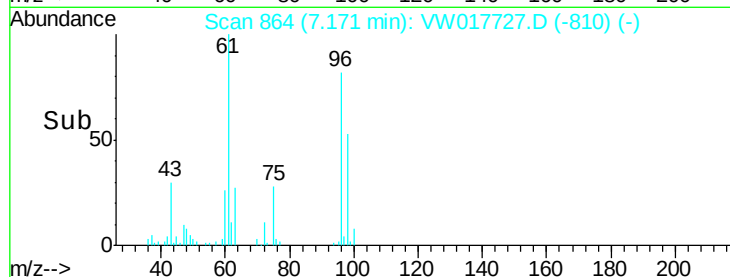
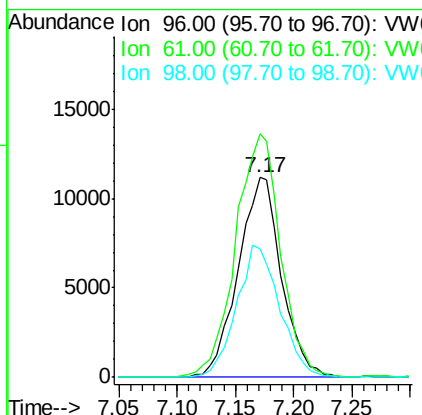
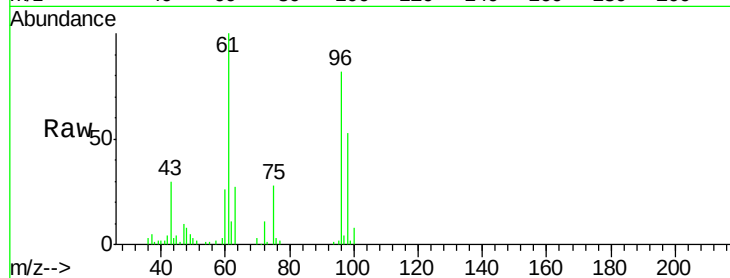


#22

cis-1,2-Dichloroethene
 Concen: 5.465 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

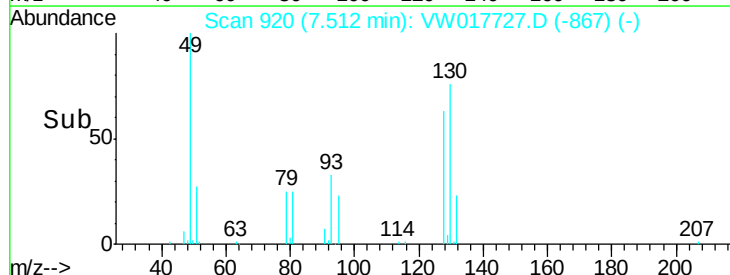
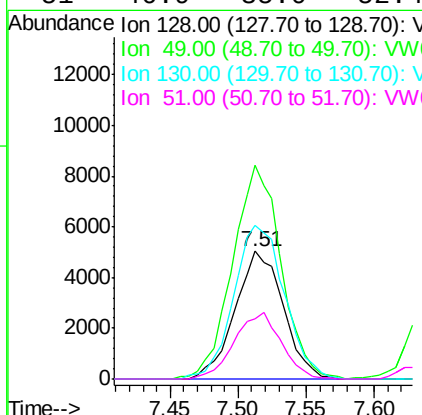
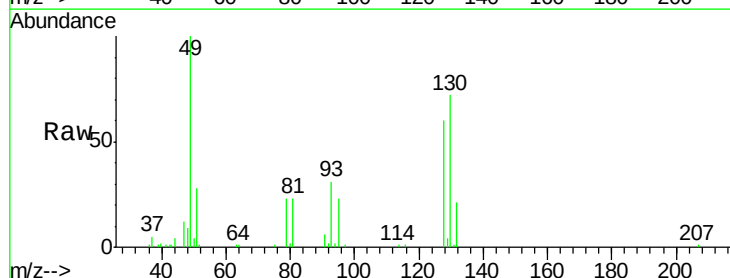
Tgt Ion: 96 Resp: 28790
 Ion Ratio Lower Upper
 96 100
 61 121.8 88.2 163.8
 98 64.0 43.7 81.1

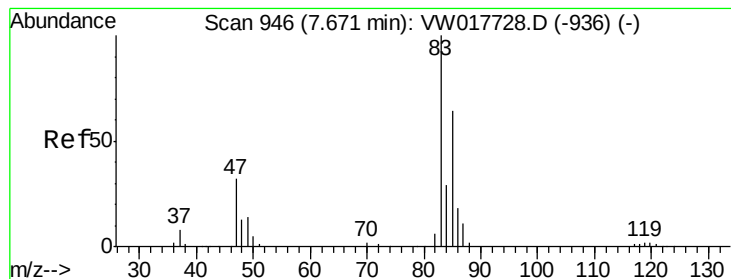


#23

Bromochloromethane
 Concen: 5.606 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Tgt Ion: 128 Resp: 12511
 Ion Ratio Lower Upper
 128 100
 49 167.3 98.3 182.5
 130 119.9 84.4 156.7
 51 46.9 35.0 52.4





#25

Chloroform

Concen: 5.370 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

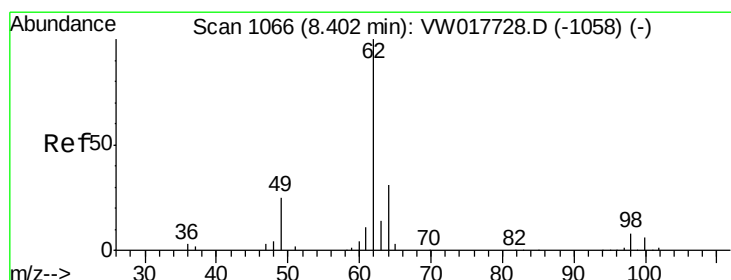
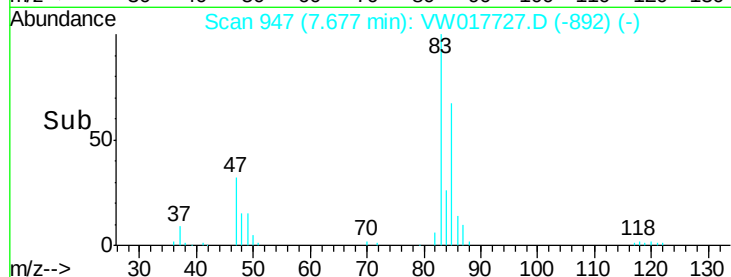
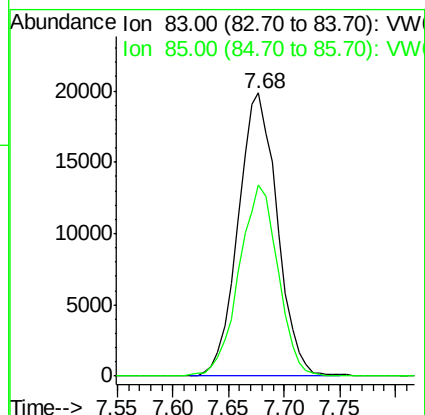
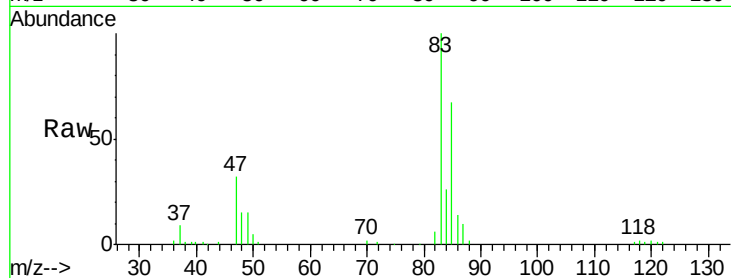
VSTD00502

Tgt Ion: 83 Resp: 48396

Ion Ratio Lower Upper

83 100

85 67.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.774 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017727.D

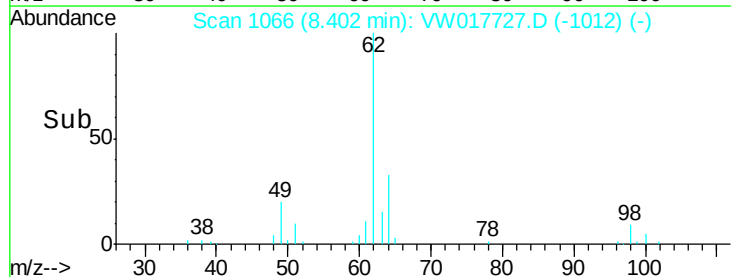
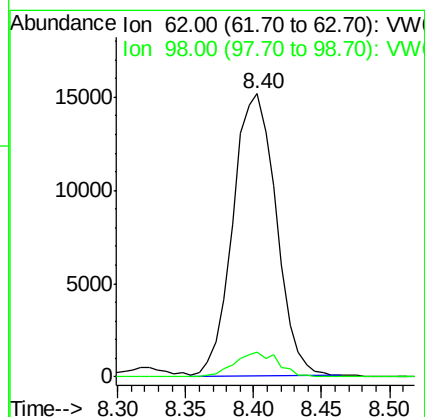
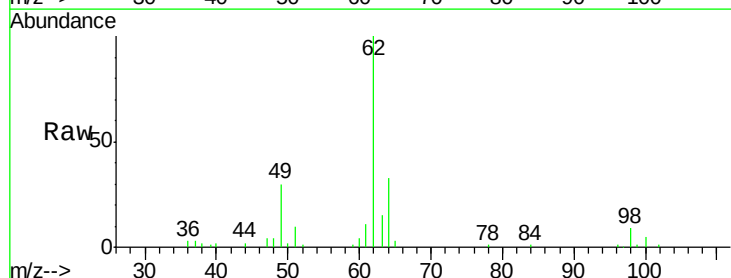
Acq: 24 Dec 2020 09:29

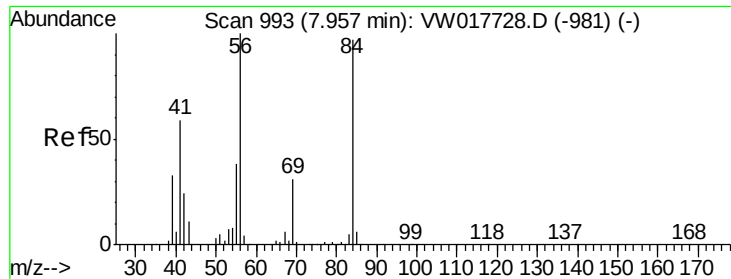
Tgt Ion: 62 Resp: 33659

Ion Ratio Lower Upper

62 100

98 8.6 6.3 9.5

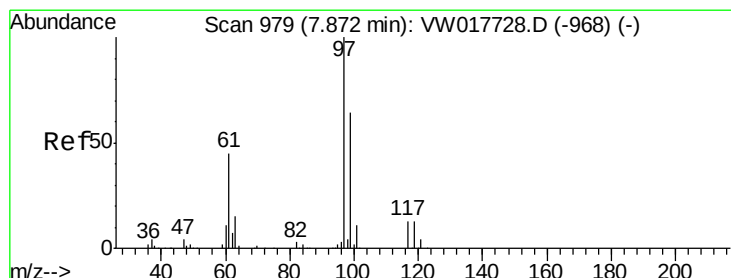
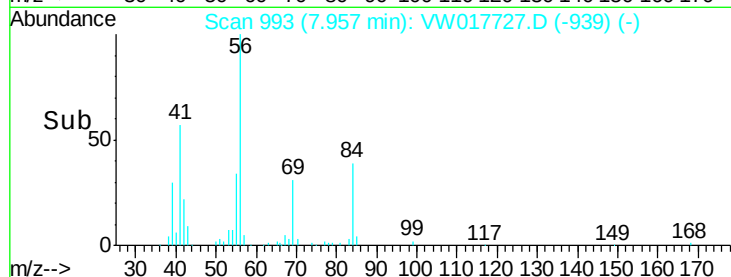
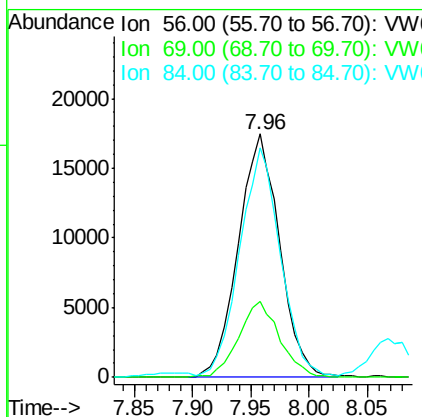
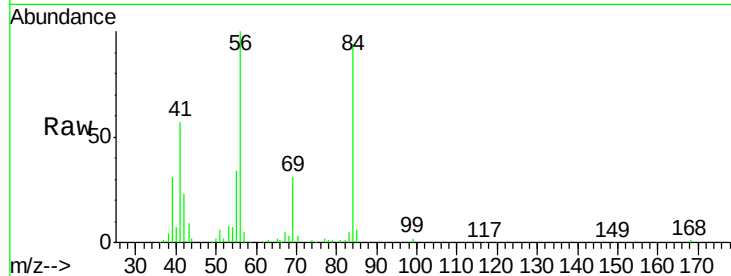




#30
Cyclohexane
Concen: 5.353 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017727.D
Acq: 24 Dec 2020 09:29

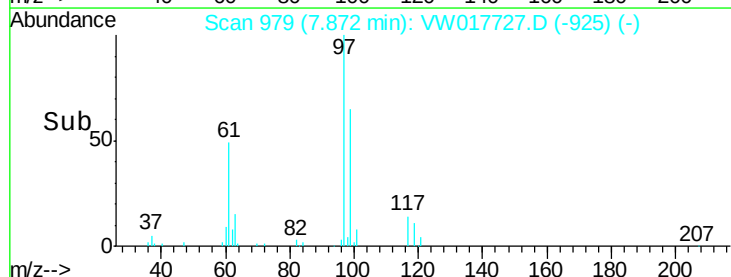
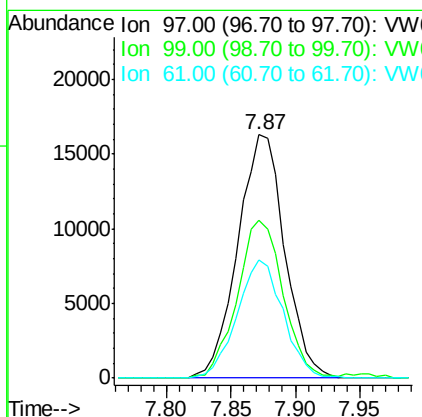
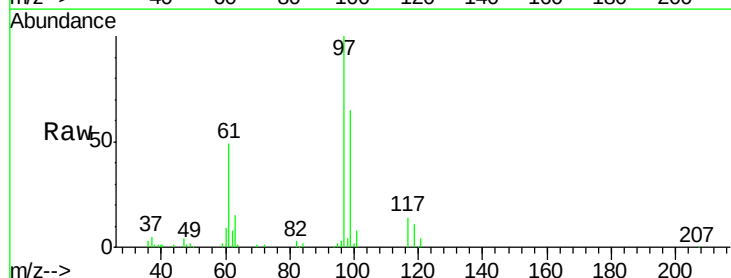
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

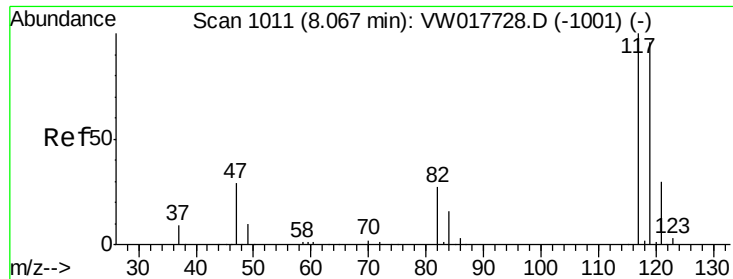
Tgt Ion: 56 Resp: 43141
Ion Ratio Lower Upper
56 100
69 30.8 25.0 37.4
84 91.6 76.6 115.0



#31
1,1,1-Trichloroethane
Concen: 5.277 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017727.D
Acq: 24 Dec 2020 09:29

Tgt Ion: 97 Resp: 41105
Ion Ratio Lower Upper
97 100
99 63.4 51.1 76.7
61 47.4 35.8 53.8





#32

Carbon tetrachloride

Concen: 5.003 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

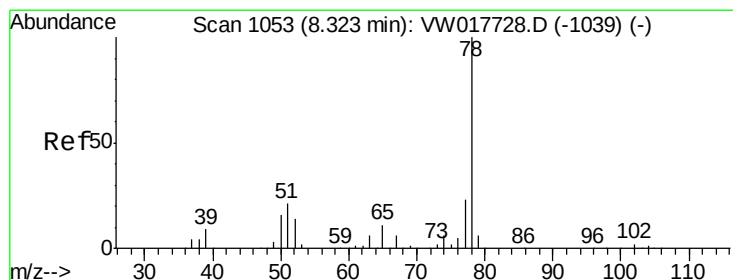
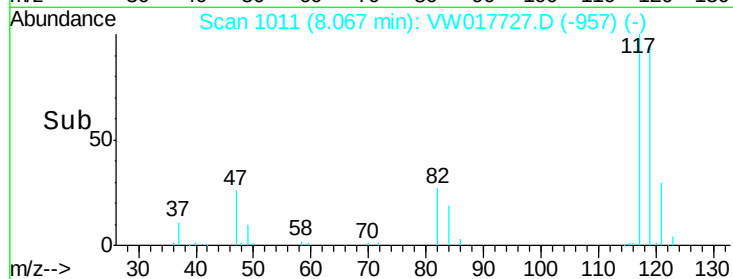
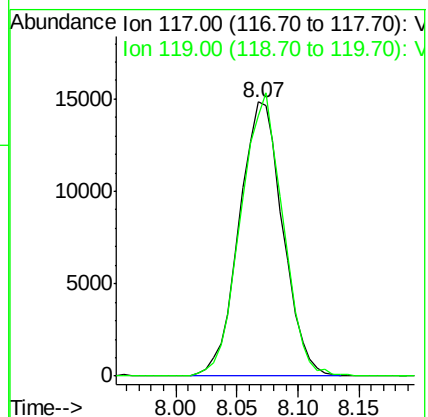
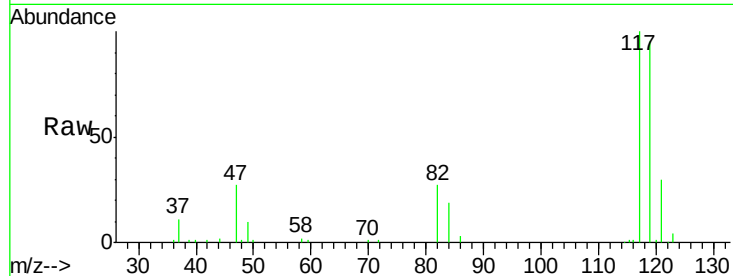
VSTD00502

Tgt Ion:117 Resp: 36761

Ion Ratio Lower Upper

117 100

119 99.6 76.5 114.7



#34

Benzene

Concen: 5.391 ug/L

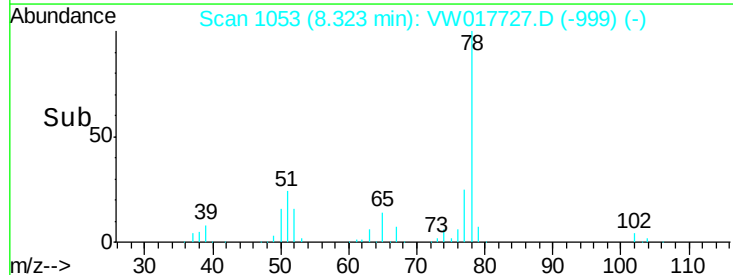
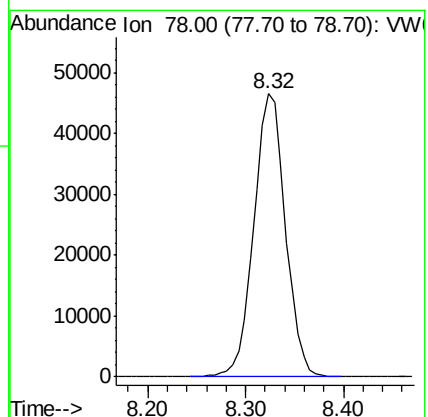
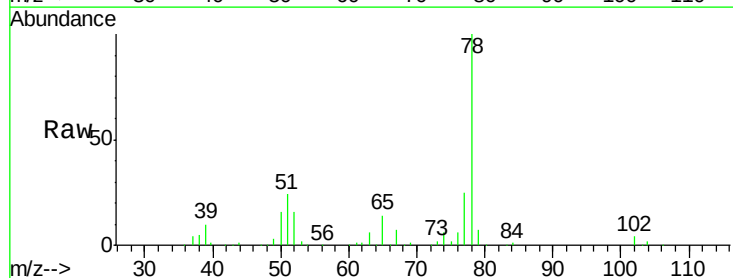
RT: 8.32 min Scan# 1053

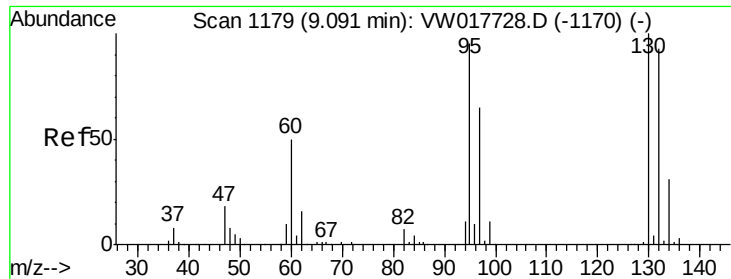
Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Tgt Ion: 78 Resp: 104377





#35

Trichloroethene

Concen: 5.313 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 95 Resp: 28469

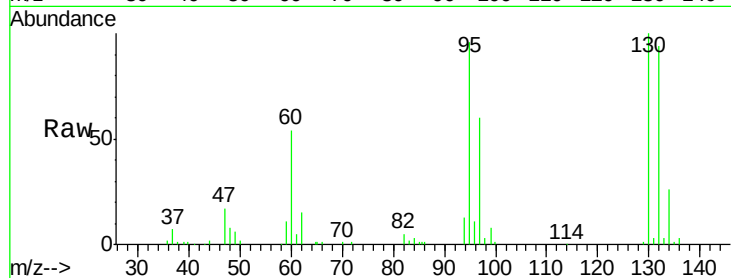
Ion Ratio Lower Upper

95 100

97 62.3 46.8 87.0

132 92.7 68.3 126.9

130 99.4 71.8 133.4

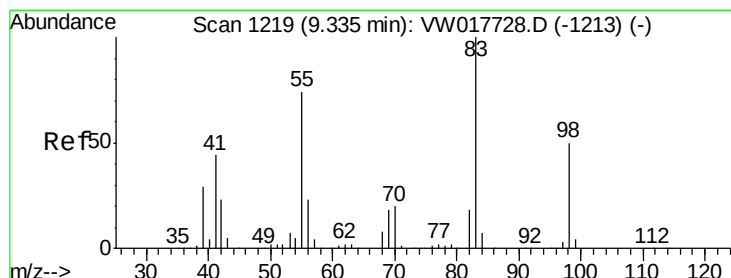
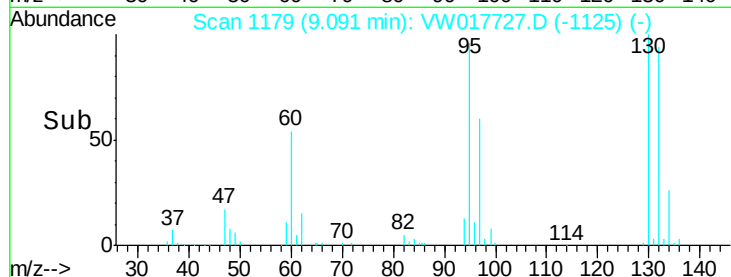
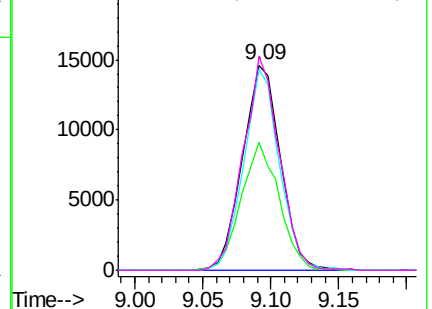


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 5.268 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

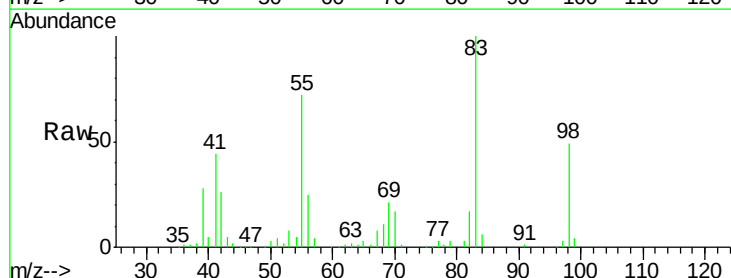
Tgt Ion: 83 Resp: 49347

Ion Ratio Lower Upper

83 100

55 74.0 57.6 86.4

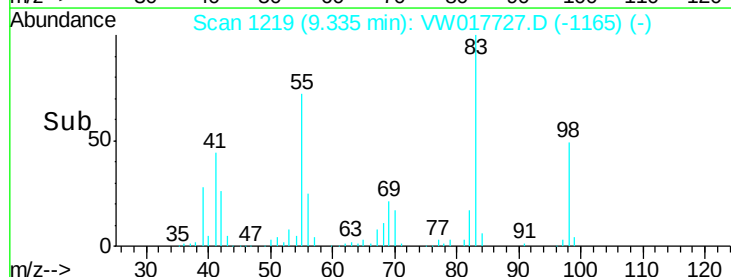
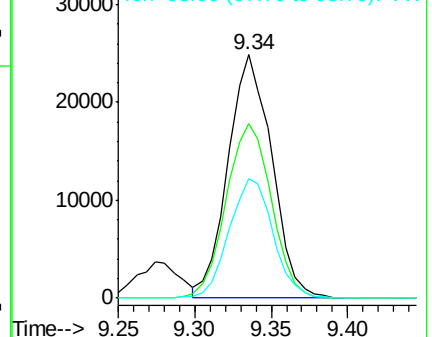
98 49.2 39.7 59.5

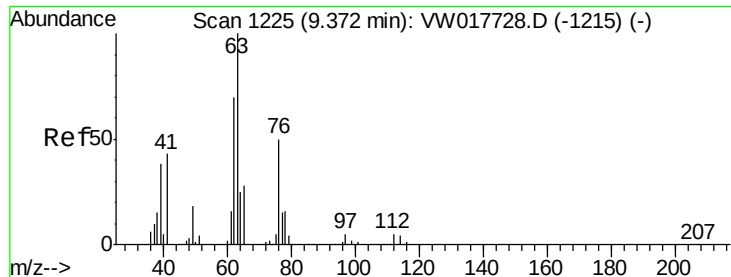


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.497 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

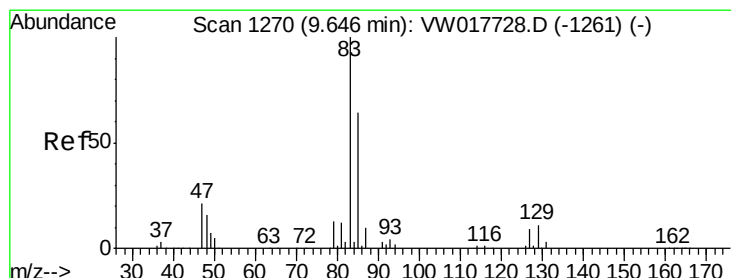
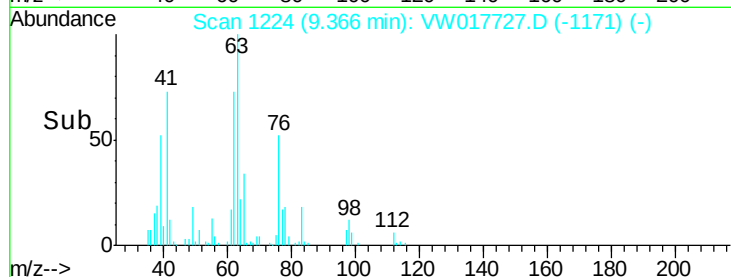
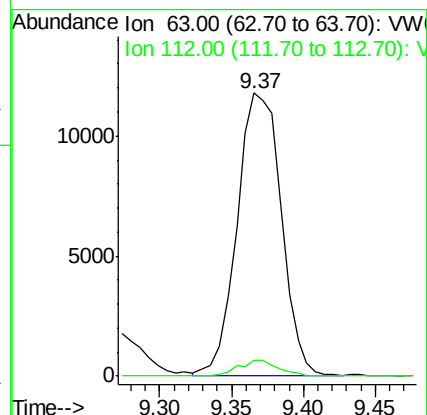
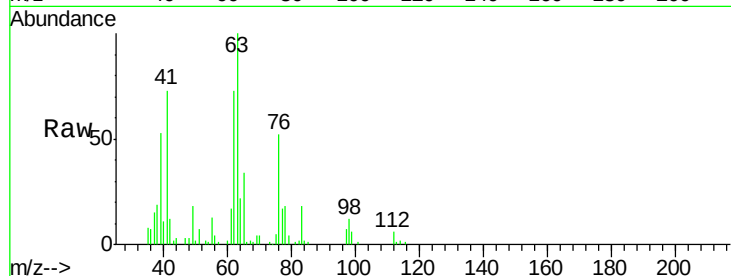
VSTD00502

Tgt Ion: 63 Resp: 25124

Ion Ratio Lower Upper

63 100

112 4.8 3.6 5.4



#41

Bromodichloromethane

Concen: 5.300 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

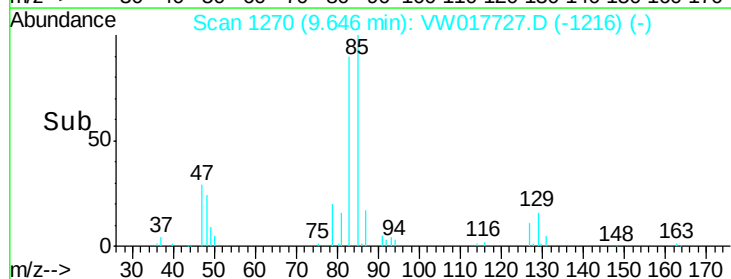
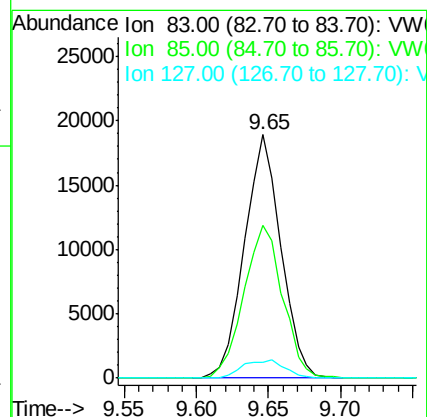
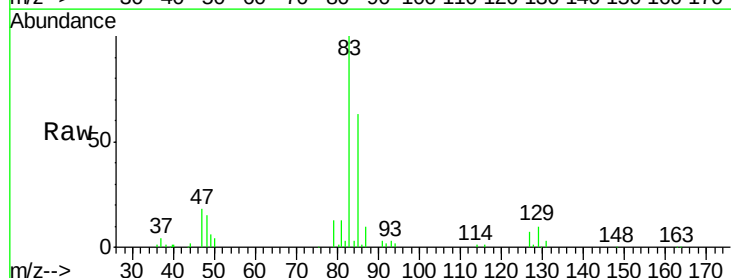
Tgt Ion: 83 Resp: 33160

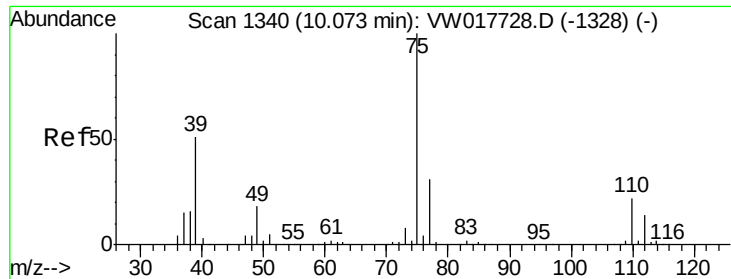
Ion Ratio Lower Upper

83 100

85 62.5 44.5 82.7

127 6.7 6.9 10.3#

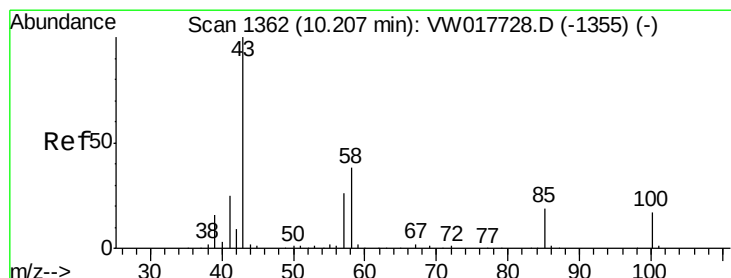
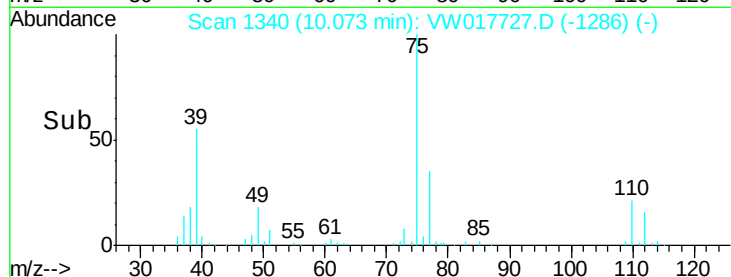
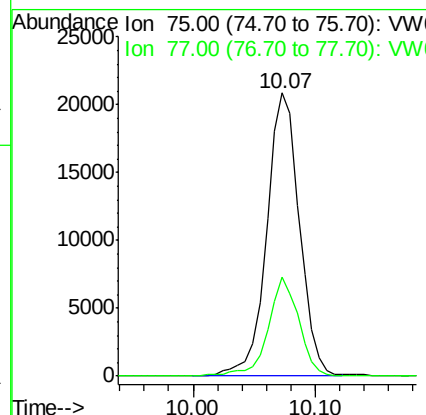
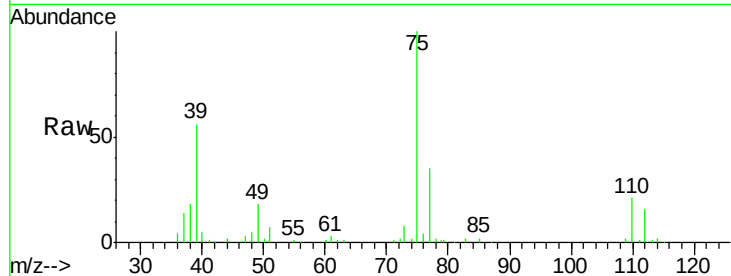




#42
 cis-1,3-Dichloropropene
 Concen: 5.325 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

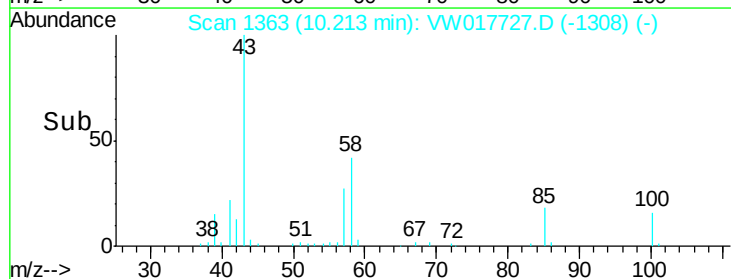
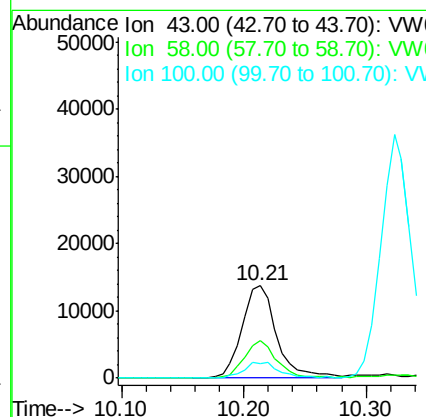
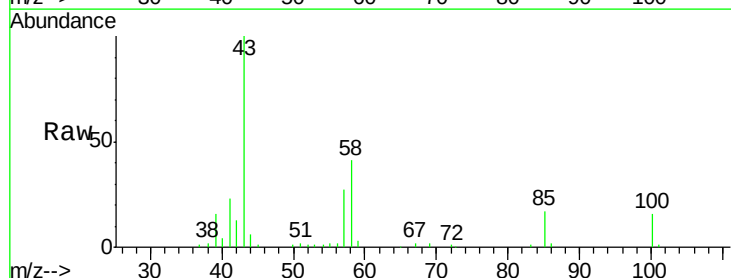
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

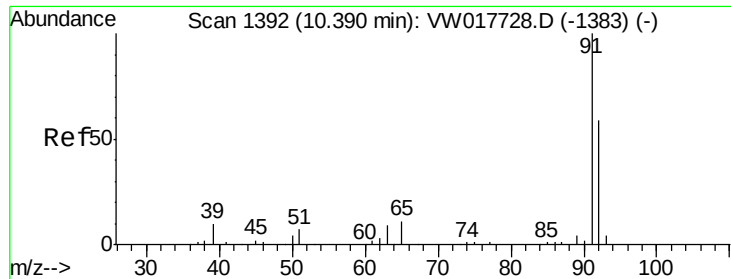
Tgt Ion: 75 Resp: 38840
 Ion Ratio Lower Upper
 75 100
 77 35.2 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 12.288 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Tgt Ion: 43 Resp: 27285
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.0 46.4
 100 16.2 13.5 20.3





#44

Toluene

Concen: 5.177 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

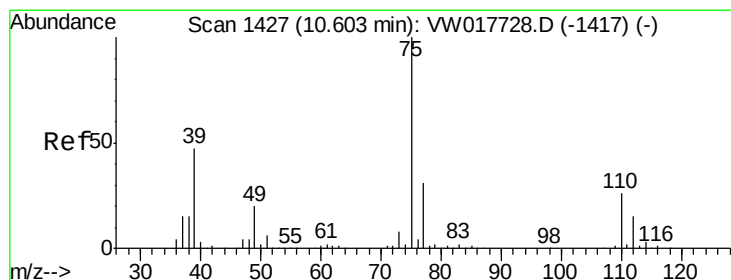
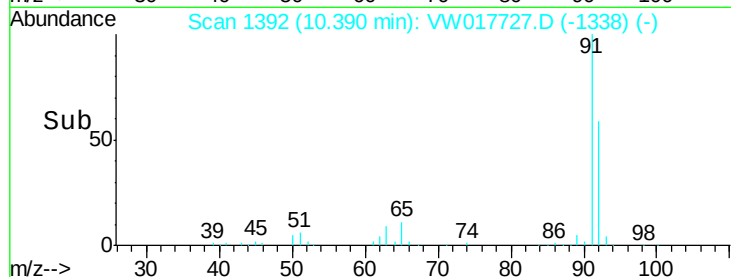
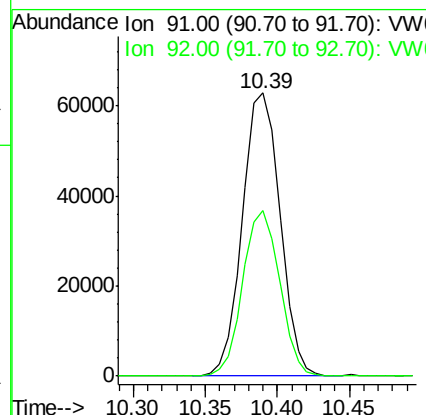
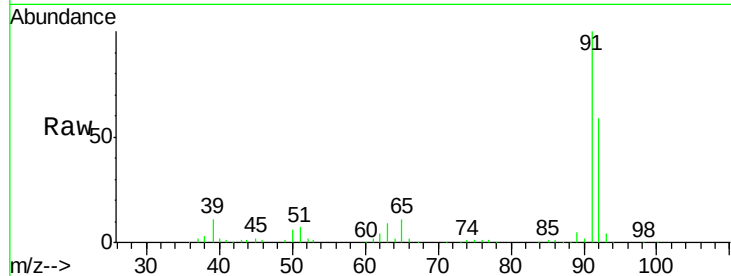
VSTD00502

Tgt Ion: 91 Resp: 114293

Ion Ratio Lower Upper

91 100

92 58.5 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 5.272 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017727.D

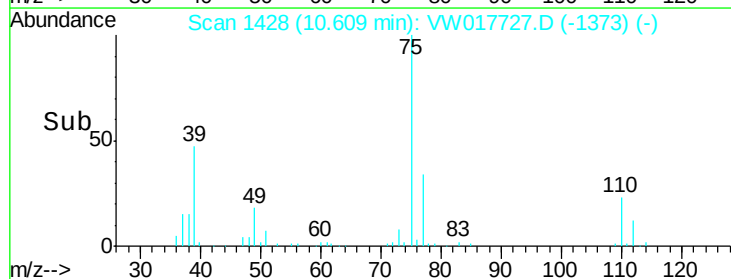
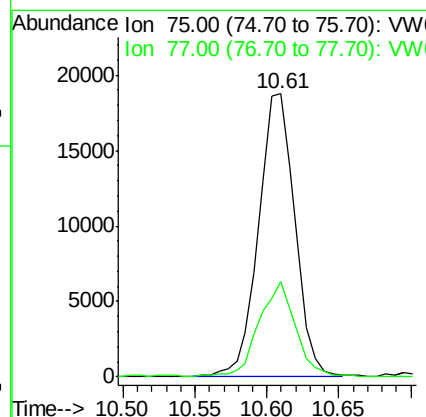
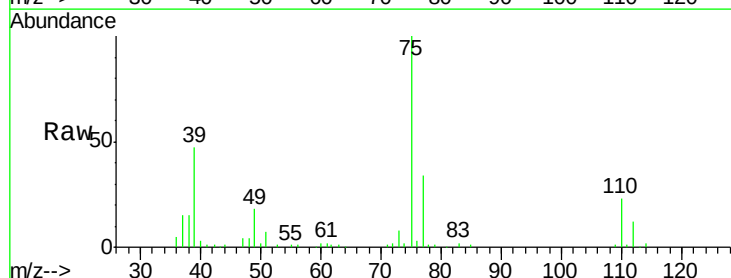
Acq: 24 Dec 2020 09:29

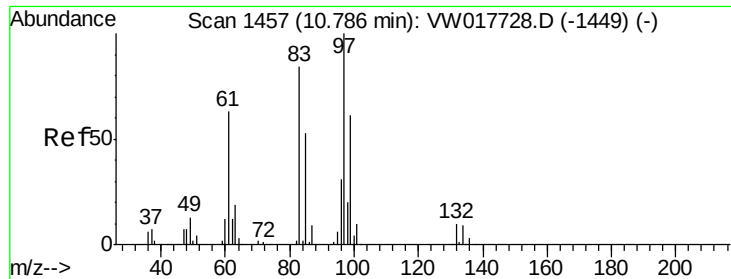
Tgt Ion: 75 Resp: 32743

Ion Ratio Lower Upper

75 100

77 33.8 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 5.803 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 97 Resp: 19715

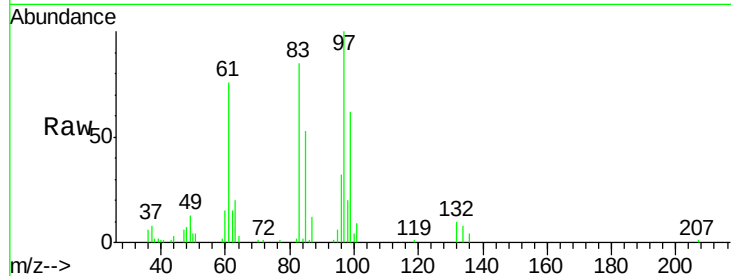
Ion Ratio Lower Upper

97 100

83 84.6 58.9 109.5

85 53.5 37.1 68.9

99 61.7 42.7 79.3

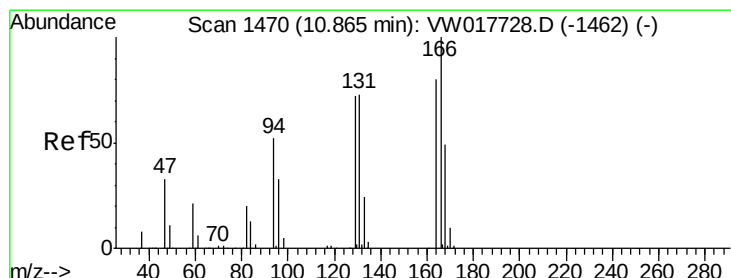
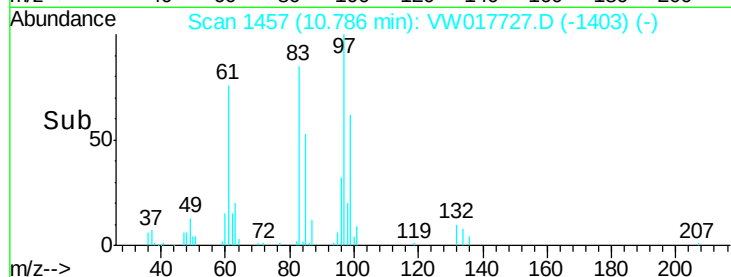
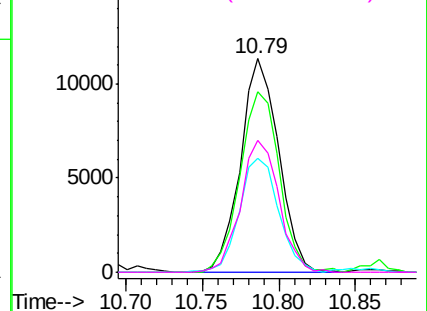


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 5.095 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Tgt Ion: 164 Resp: 21347

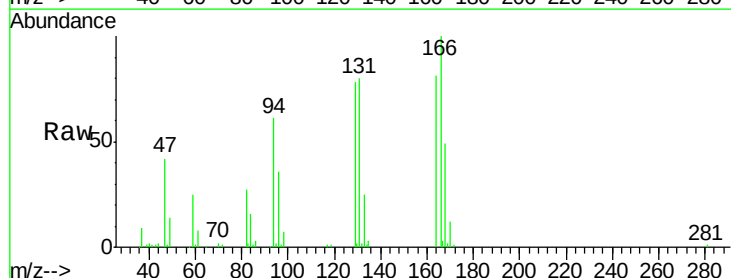
Ion Ratio Lower Upper

164 100

129 95.7 62.9 116.9

131 98.3 63.8 118.6

166 123.2 87.4 162.2

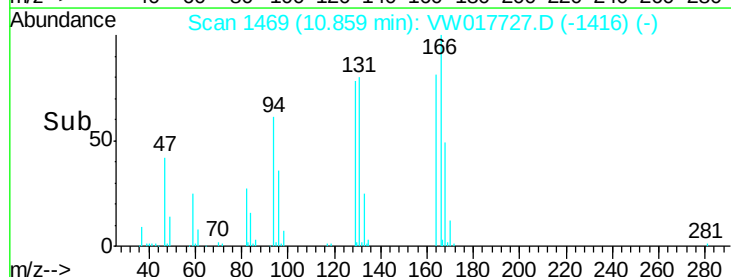
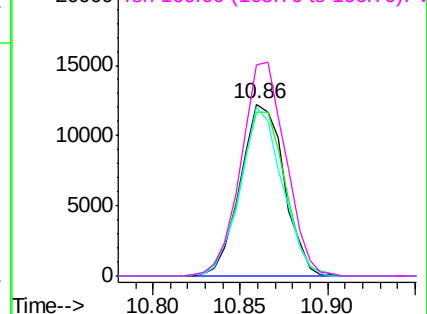


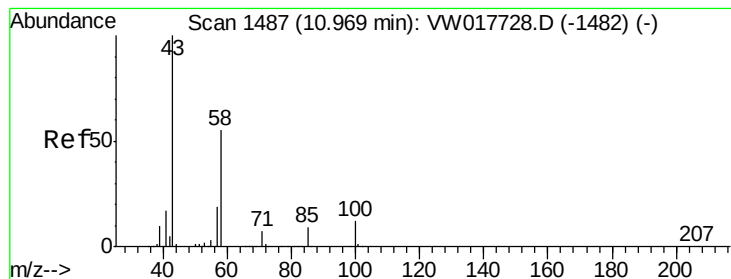
Abundance Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 11.742 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampled :

VSTD00502

Tgt Ion: 43 Resp: 18498

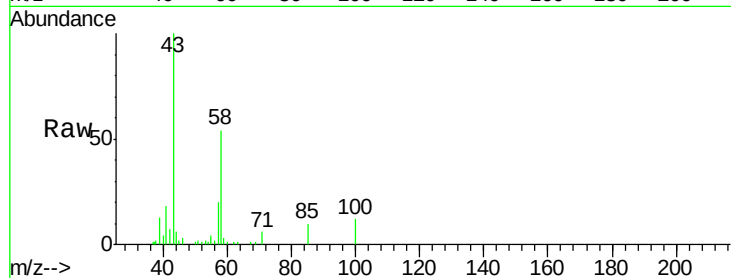
Ion Ratio Lower Upper

43 100

58 54.5 44.2 66.4

57 17.2 16.1 24.1

100 13.3 11.0 16.4

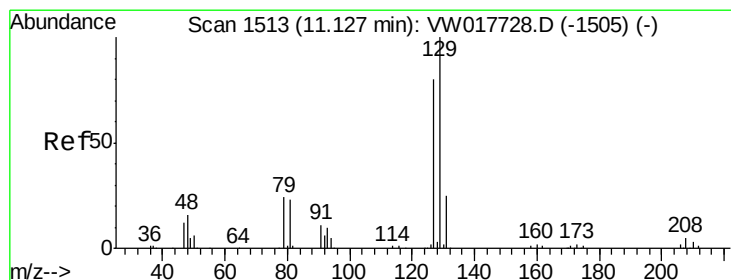
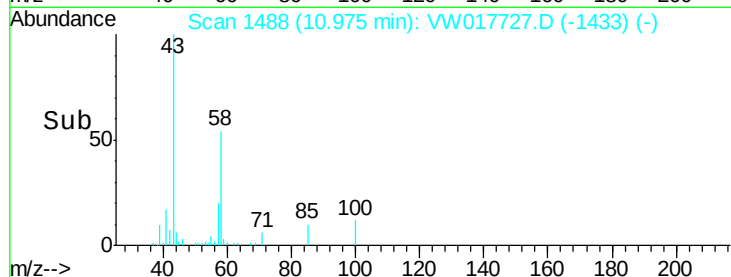
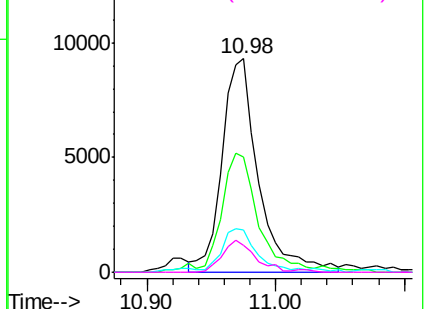


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 5.387 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017727.D

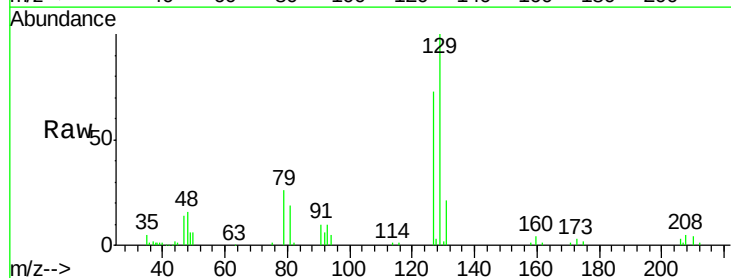
Acq: 24 Dec 2020 09:29

Tgt Ion: 129 Resp: 21728

Ion Ratio Lower Upper

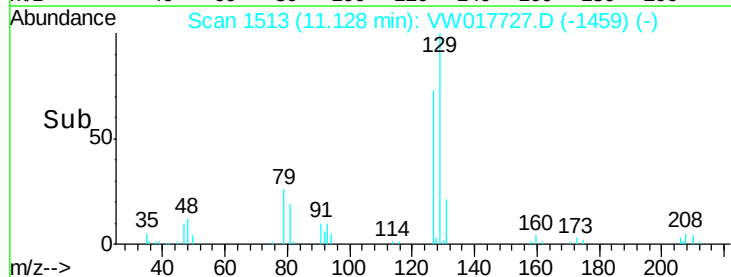
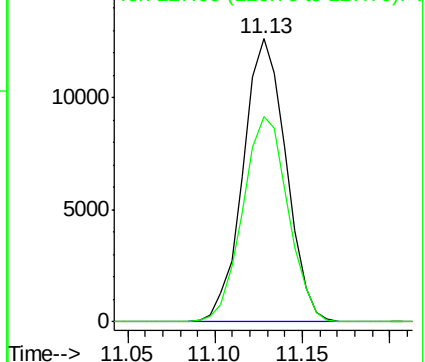
129 100

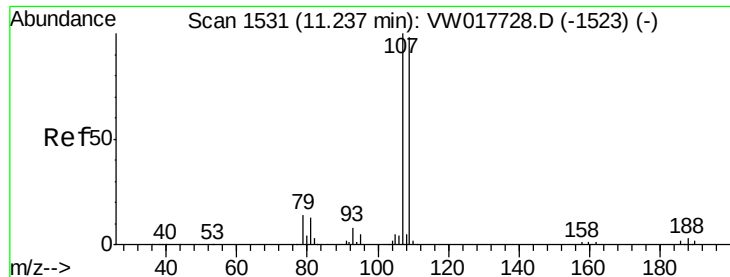
127 72.7 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

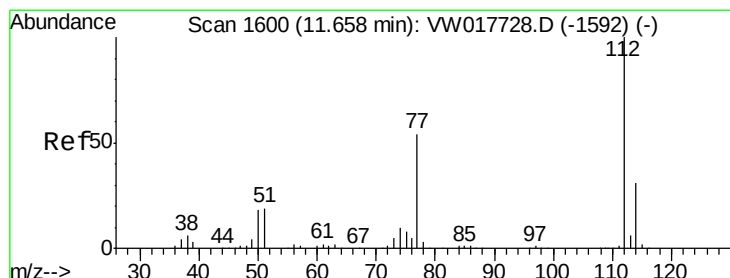
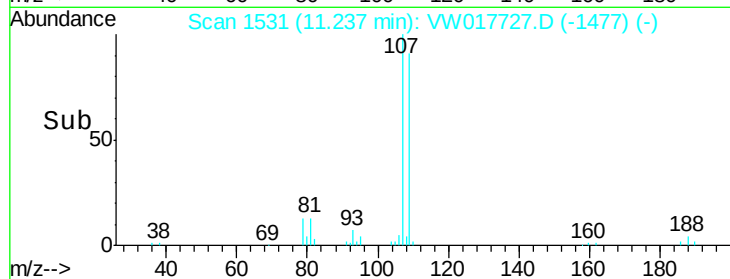
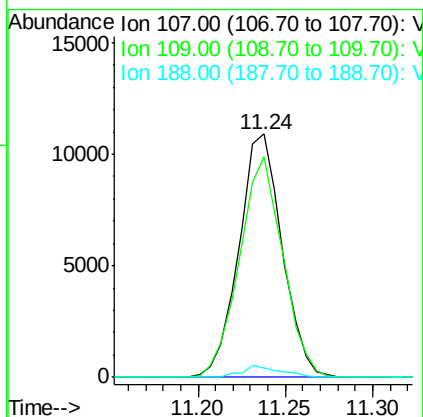
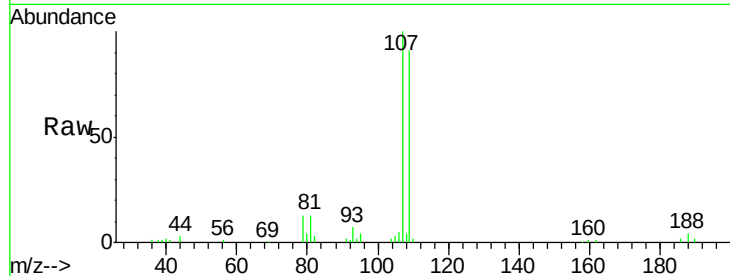




#51
 1,2-Dibromoethane
 Concen: 5.831 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

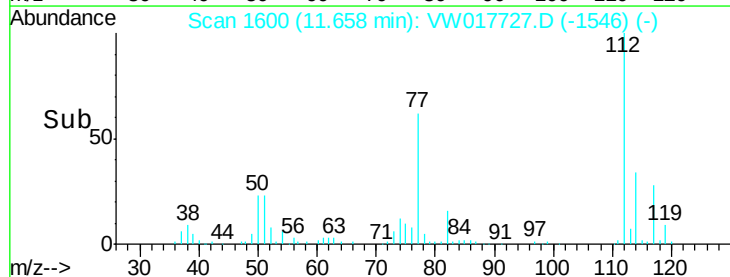
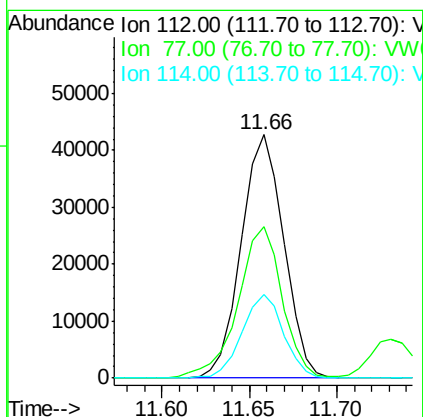
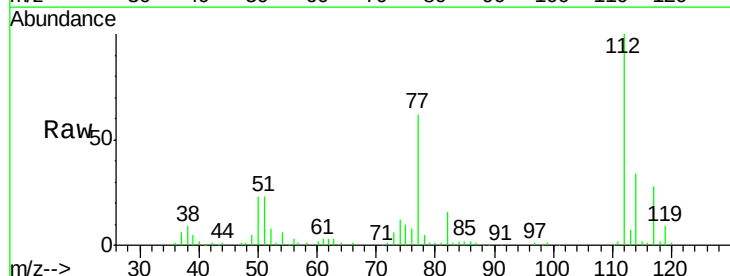
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

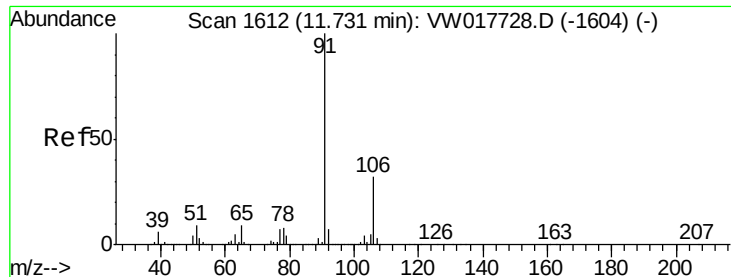
Tgt Ion:107 Resp: 18755
 Ion Ratio Lower Upper
 107 100
 109 90.6 68.5 127.1
 188 4.1 2.7 4.1



#52
 Chlorobenzene
 Concen: 5.268 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Tgt Ion:112 Resp: 72600
 Ion Ratio Lower Upper
 112 100
 77 62.0 43.4 65.2
 114 34.4 21.6 40.2





#53

Ethylbenzene

Concen: 5.203 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

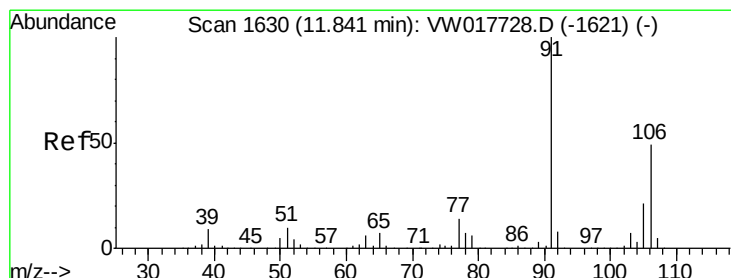
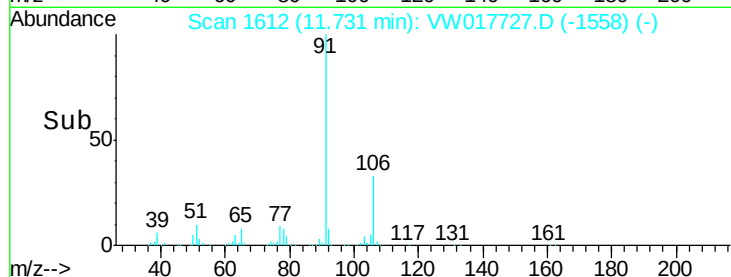
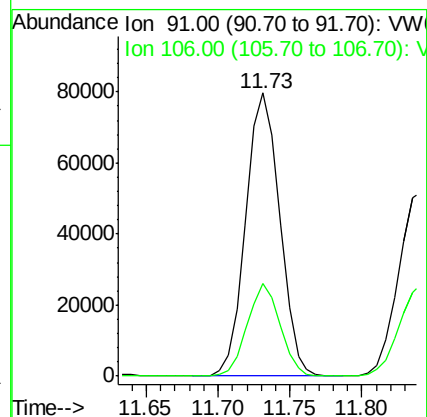
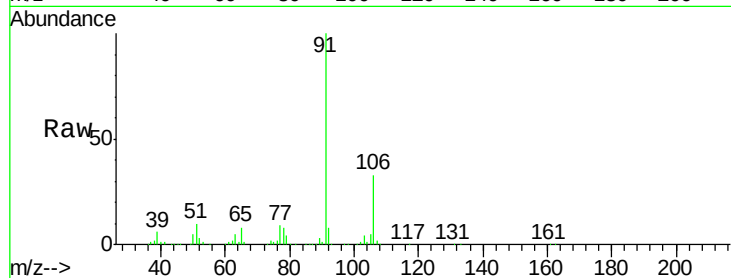
VSTD00502

Tgt Ion: 91 Resp: 130338

Ion Ratio Lower Upper

91 100

106 32.5 22.0 41.0



#54

m,p-Xylene

Concen: 5.000 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017727.D

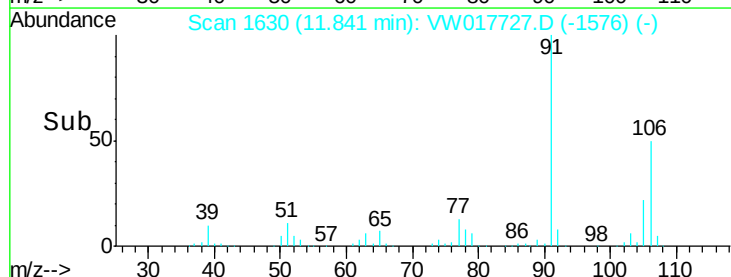
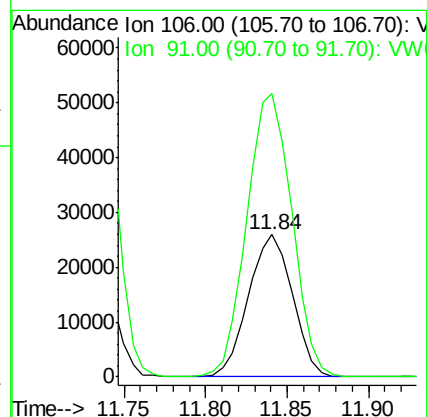
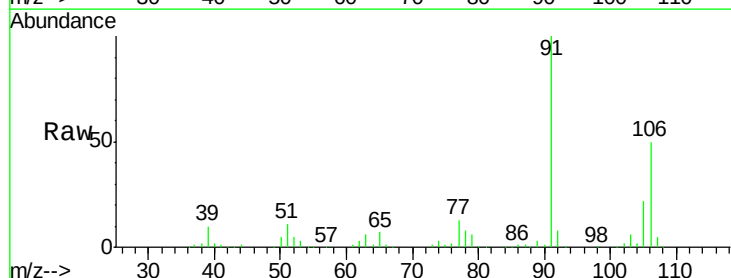
Acq: 24 Dec 2020 09:29

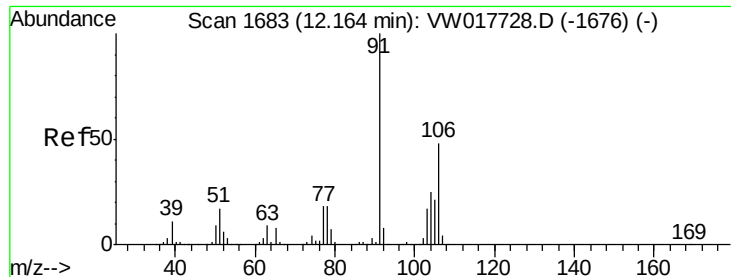
Tgt Ion: 106 Resp: 48990

Ion Ratio Lower Upper

106 100

91 198.8 141.6 263.0

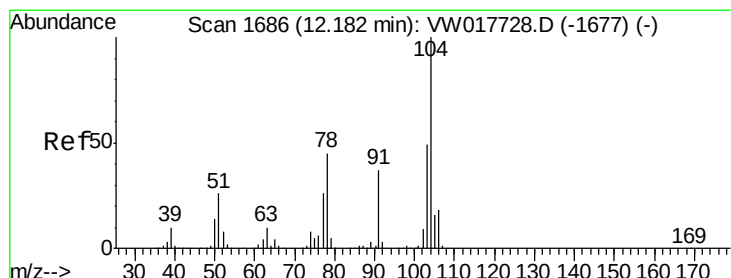
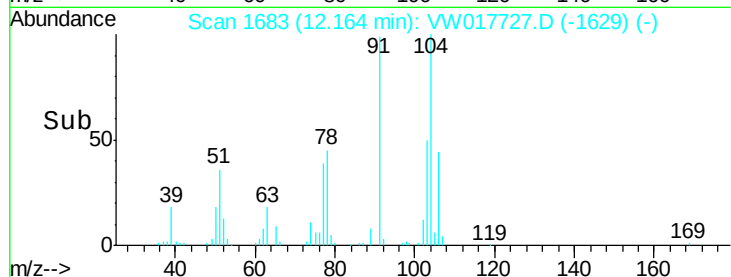
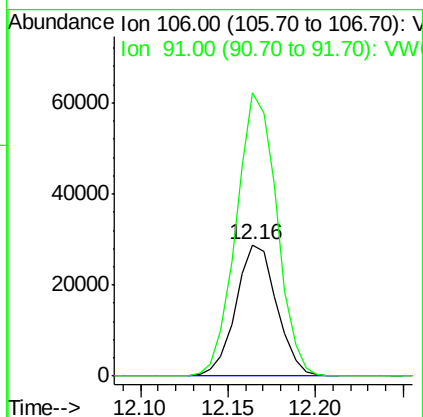
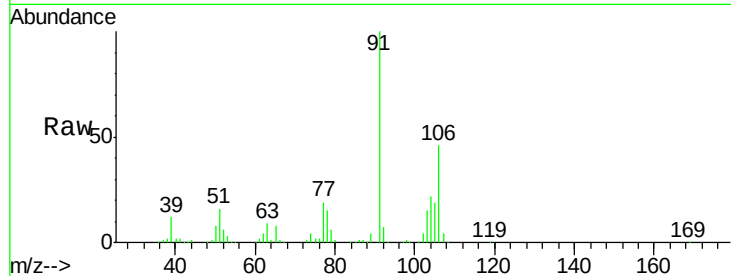




#55
o-xylene
Concen: 5.092 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017727.D
Acq: 24 Dec 2020 09:29

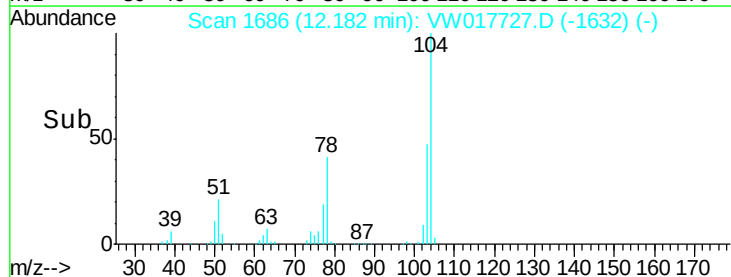
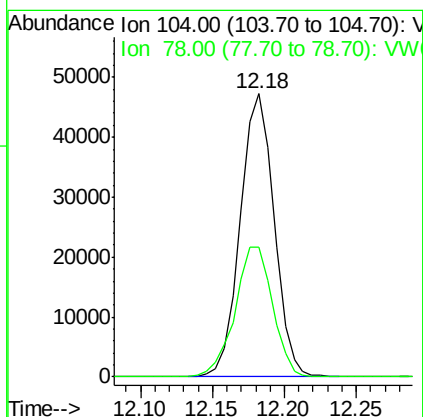
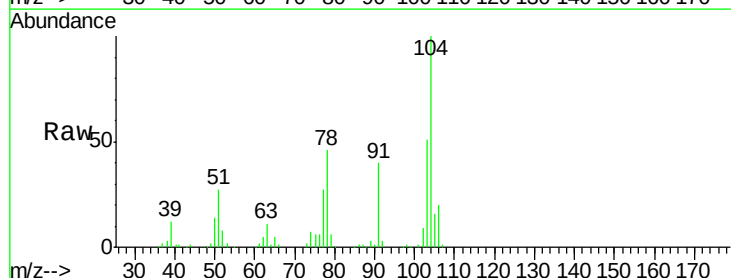
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

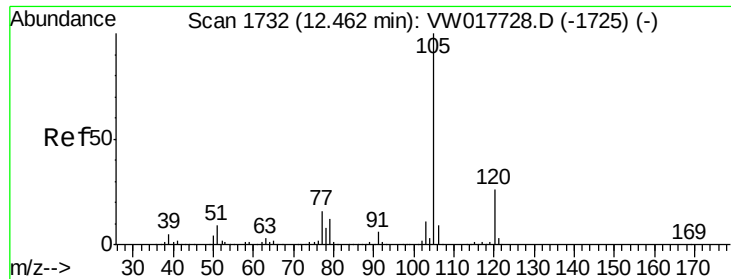
Tgt Ion:106 Resp: 46928
Ion Ratio Lower Upper
106 100
91 215.1 145.7 270.7



#56
Styrene
Concen: 5.030 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017727.D
Acq: 24 Dec 2020 09:29

Tgt Ion:104 Resp: 77095
Ion Ratio Lower Upper
104 100
78 45.9 31.6 58.8





#57

Isopropylbenzene

Concen: 5.019 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampled :

VSTD00502

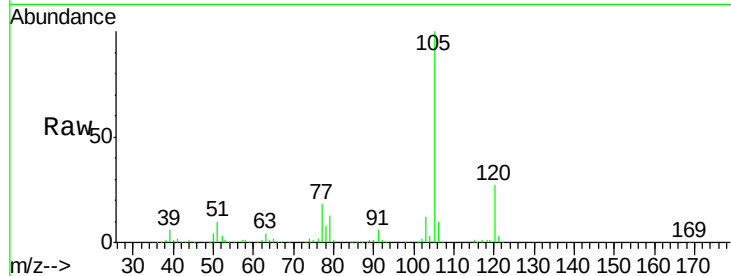
Tgt Ion: 105 Resp: 128054

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

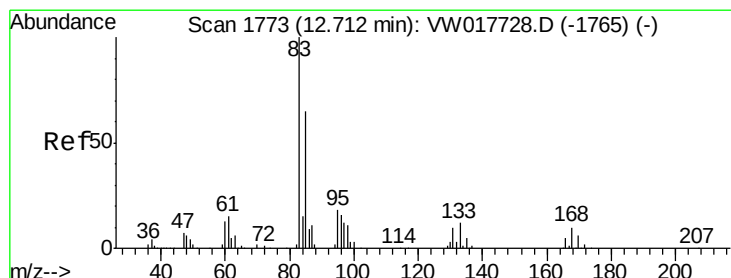
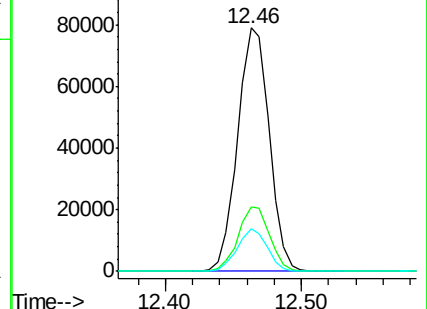
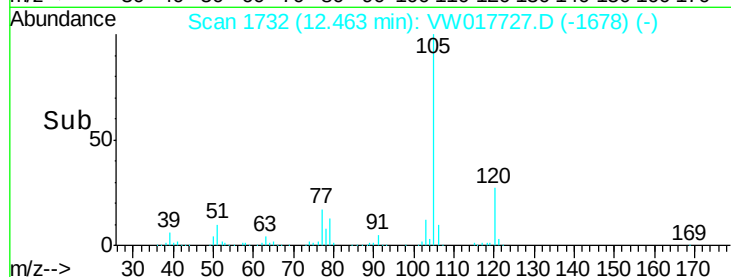
77 16.6 12.7 19.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.931 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

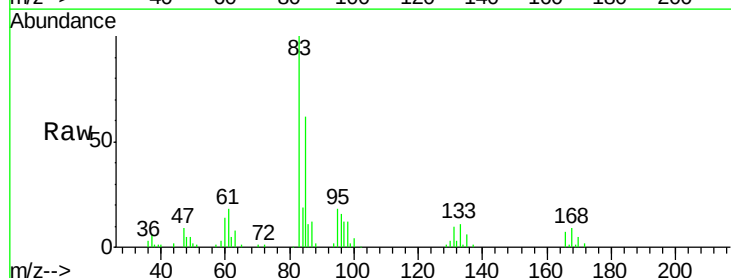
Tgt Ion: 83 Resp: 22490

Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.8

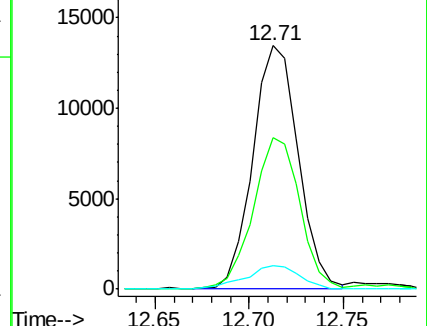
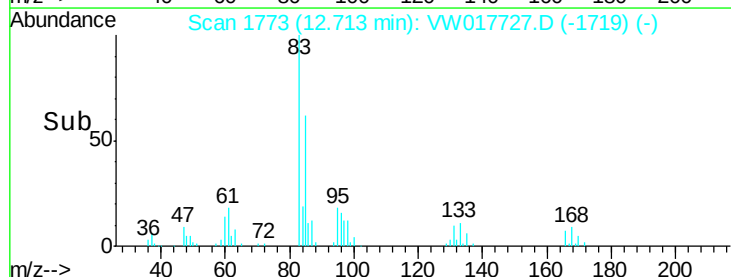
131 9.6 7.8 11.8

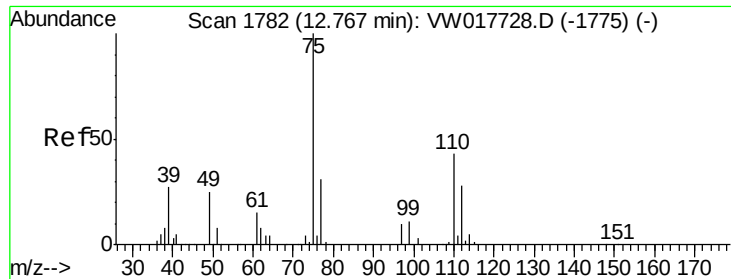


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.042 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

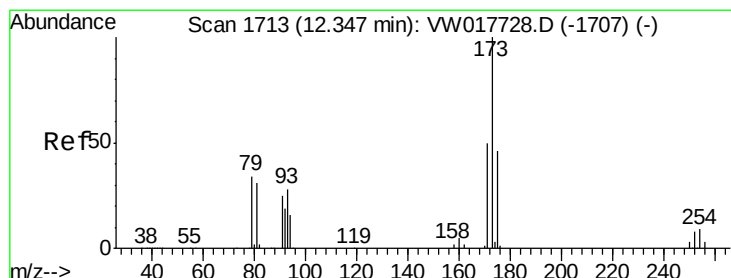
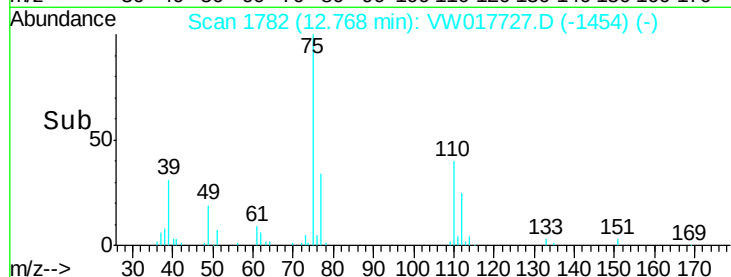
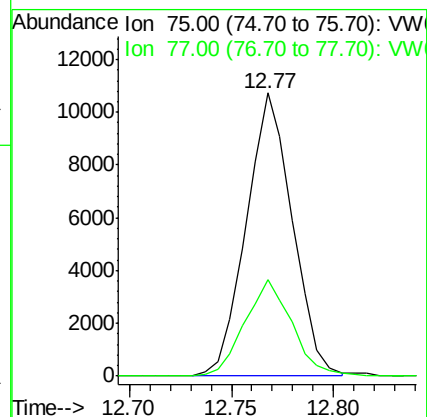
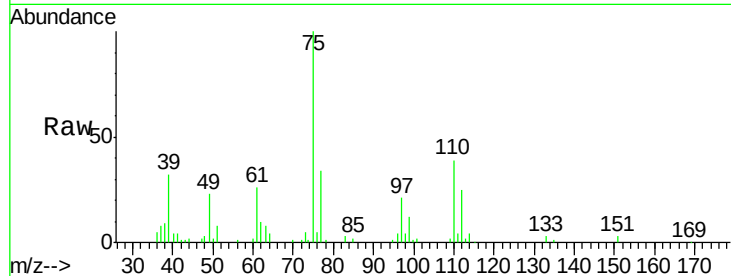
VSTD00502

Tgt Ion: 75 Resp: 16841

Ion Ratio Lower Upper

75 100

77 35.1 25.4 38.0



#62

Bromoform

Concen: 5.033 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

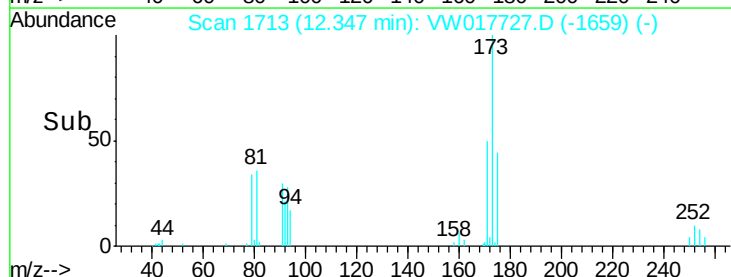
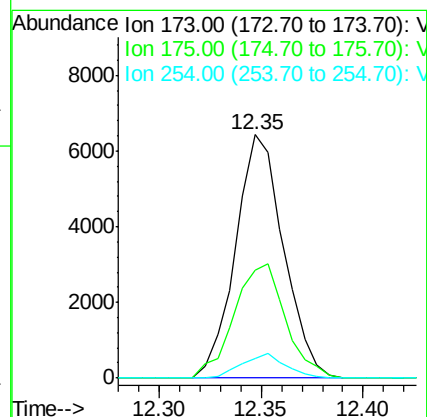
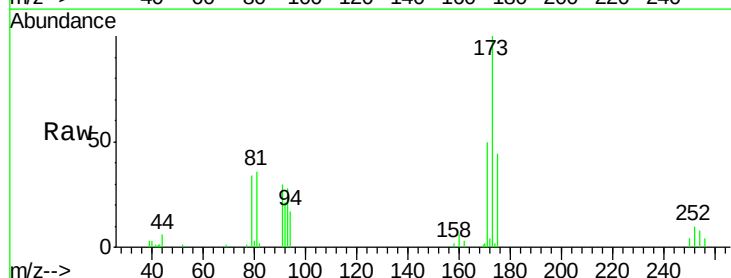
Tgt Ion: 173 Resp: 10514

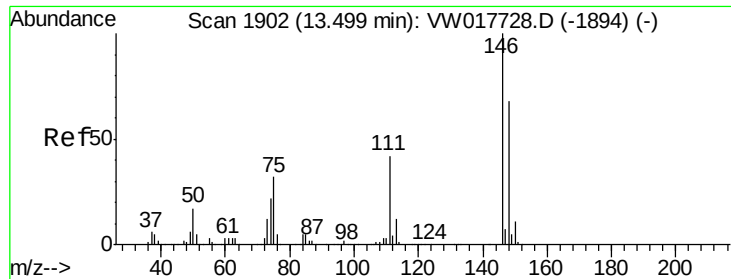
Ion Ratio Lower Upper

173 100

175 50.0 38.1 57.1

254 9.3 6.7 10.1

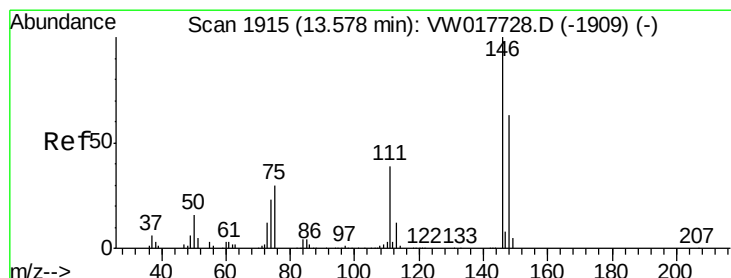
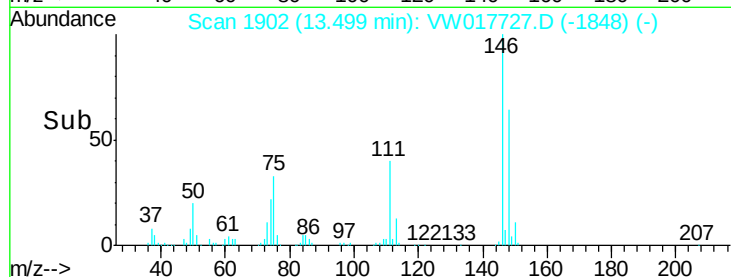
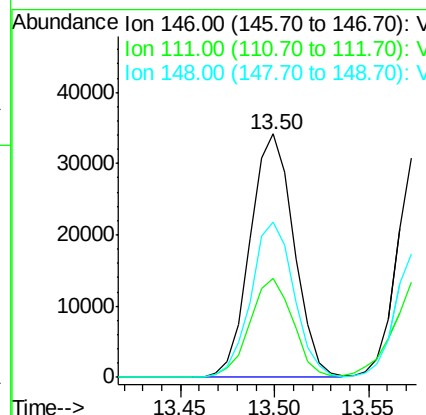
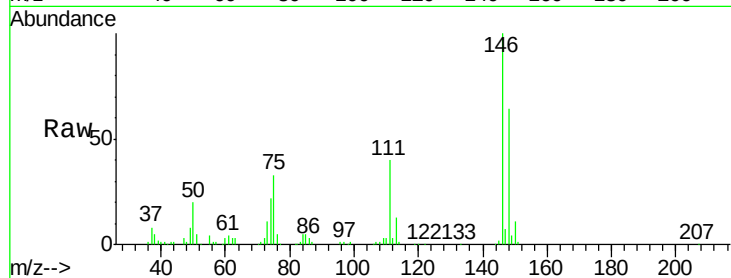




#63
 1,3-Dichlorobenzene
 Concen: 5.218 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

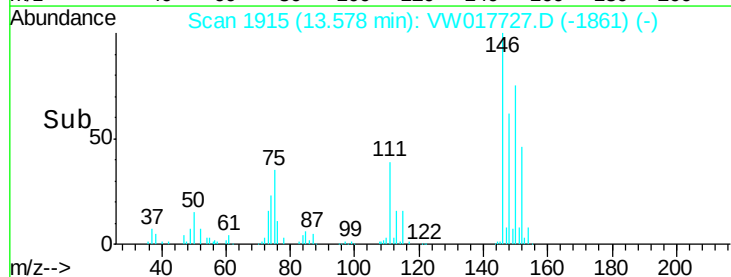
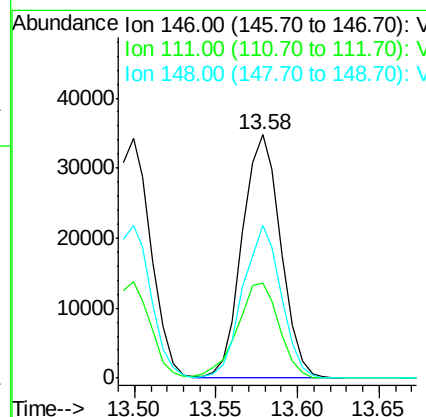
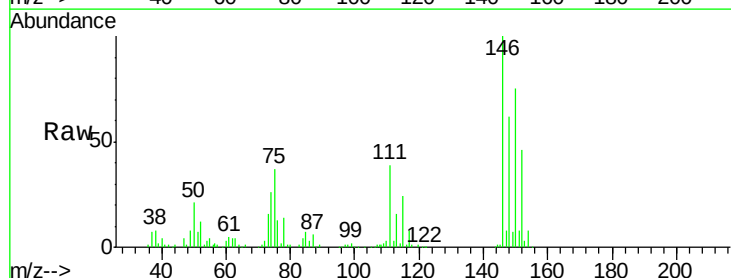
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

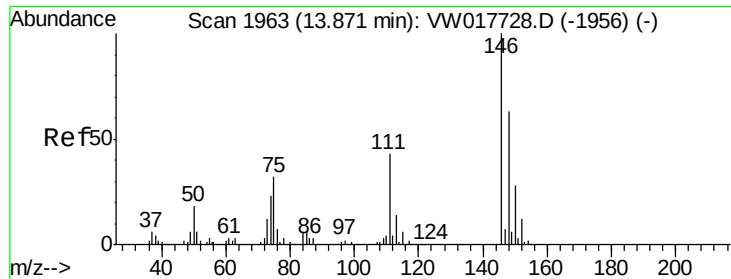
Tgt Ion:146 Resp: 54984
 Ion Ratio Lower Upper
 146 100
 111 40.4 29.5 54.7
 148 63.8 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 5.409 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Tgt Ion:146 Resp: 57277
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.7 51.5
 148 62.5 44.2 82.2

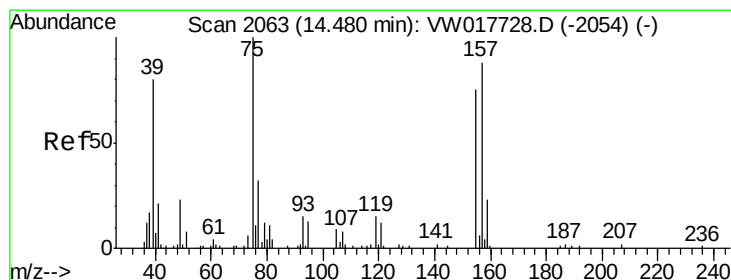
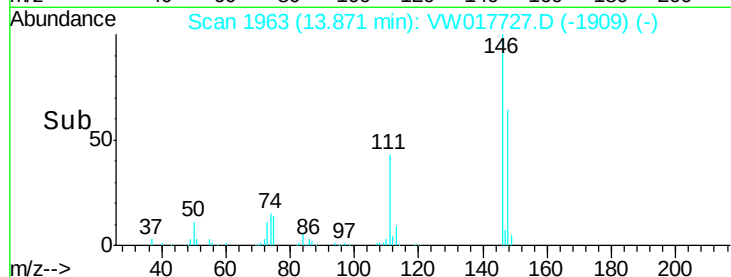
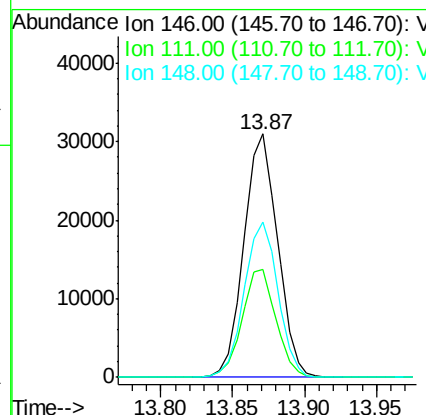
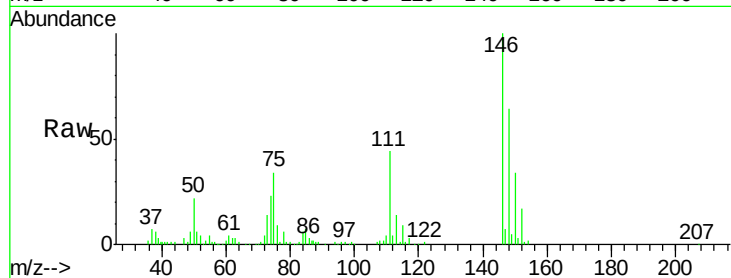




#65
 1,2-Dichlorobenzene
 Concen: 5.442 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

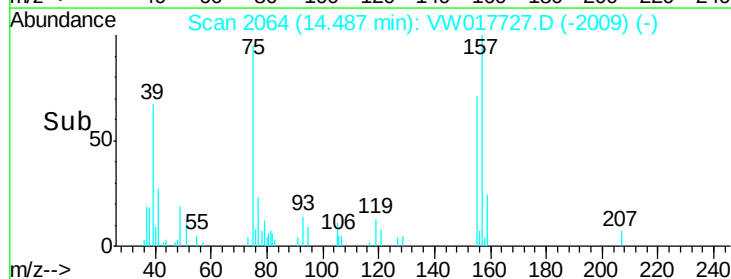
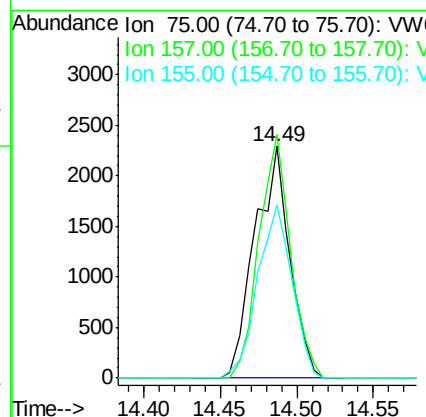
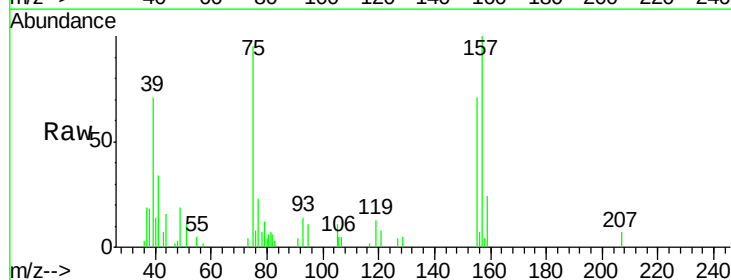
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00502

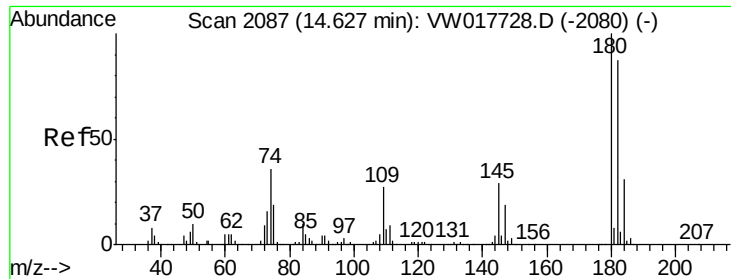
Tgt Ion: 146 Resp: 50385
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.4 51.6
 148 64.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.979 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Tgt Ion: 75 Resp: 3646
 Ion Ratio Lower Upper
 75 100
 157 105.1 70.2 105.4
 155 74.5 59.8 89.6

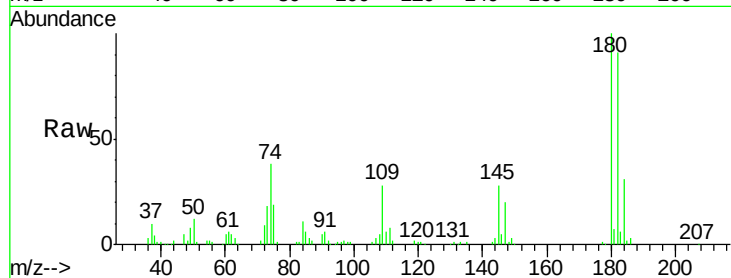




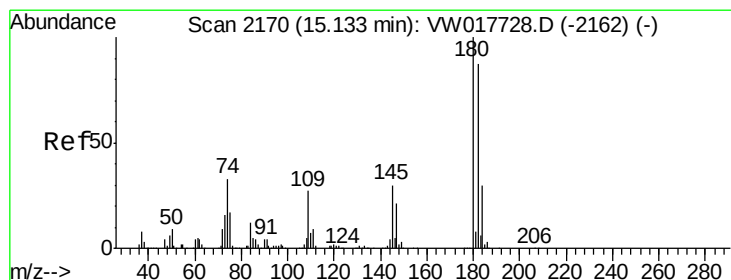
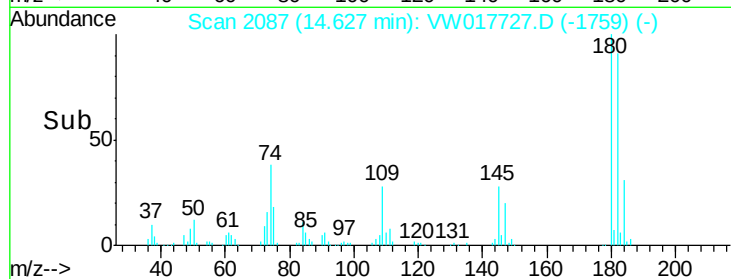
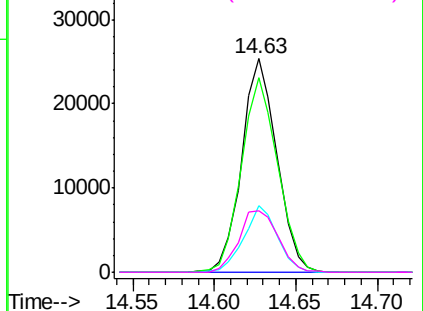
#67
 1,3,5-Trichlorobenzene
 Concen: 5.273 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Tgt Ion:	180	Resp:	38090
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.2
184	30.1	23.6	35.4
145	32.3	25.2	37.8

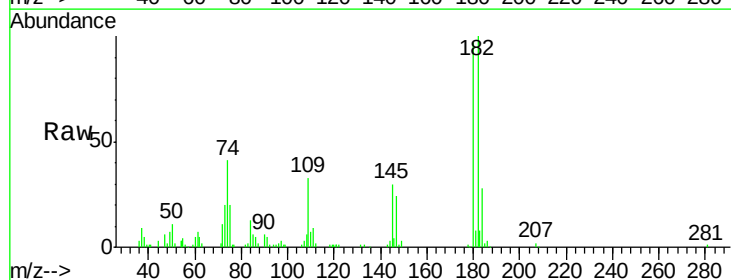


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

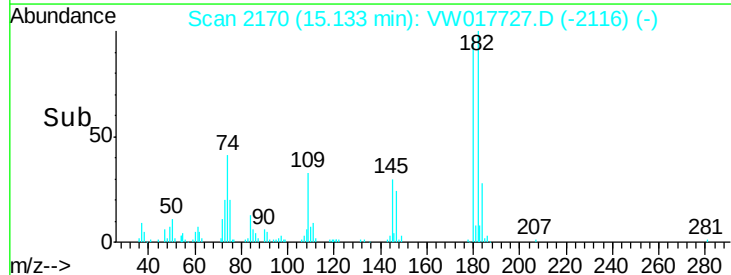
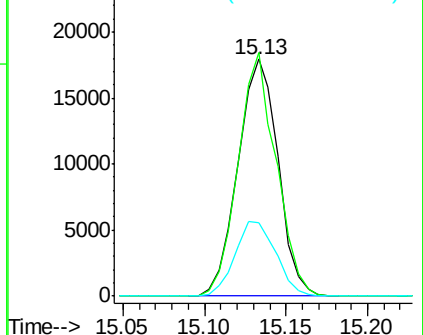


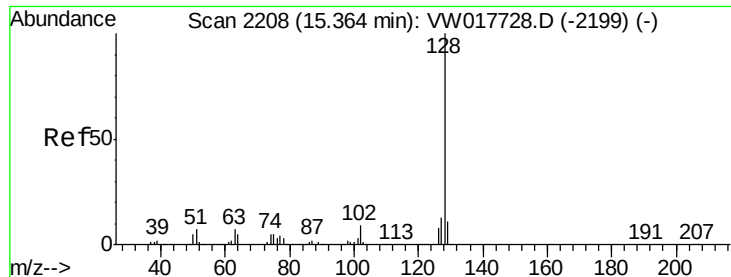
#68
 1,2,4-trichlorobenzene
 Concen: 5.159 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017727.D
 Acq: 24 Dec 2020 09:29

Tgt Ion:	180	Resp:	30676
Ion	Ratio	Lower	Upper
180	100		
182	97.4	73.0	109.6
145	32.3	25.8	38.6



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





#69

Naphthalene

Concen: 5.705 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

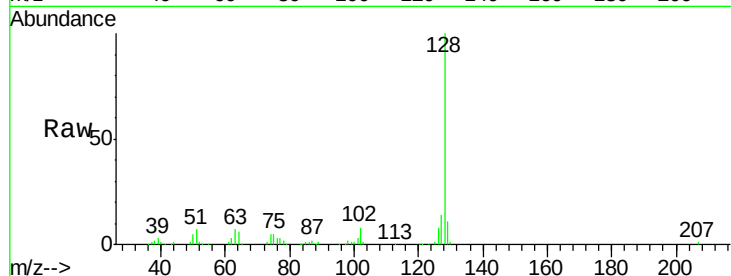
Tgt Ion:128 Resp: 64595

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

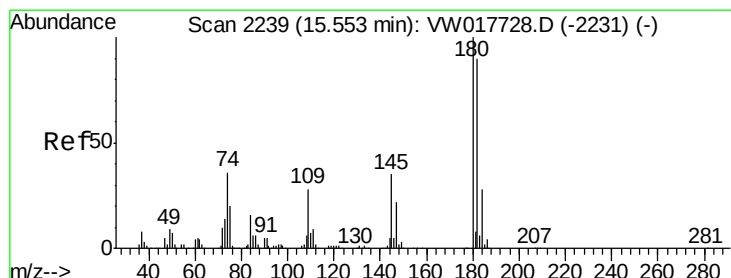
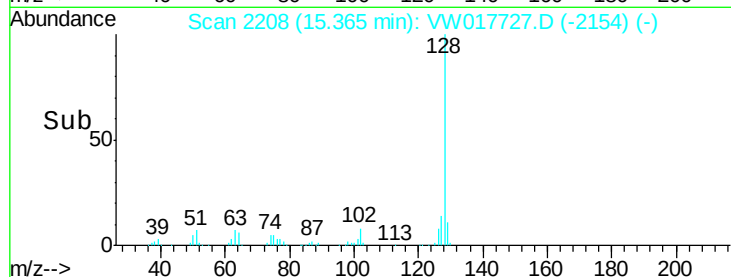
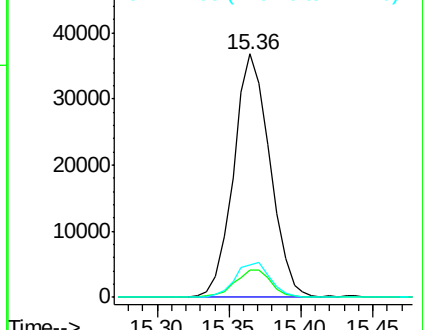
127 14.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.587 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017727.D

Acq: 24 Dec 2020 09:29

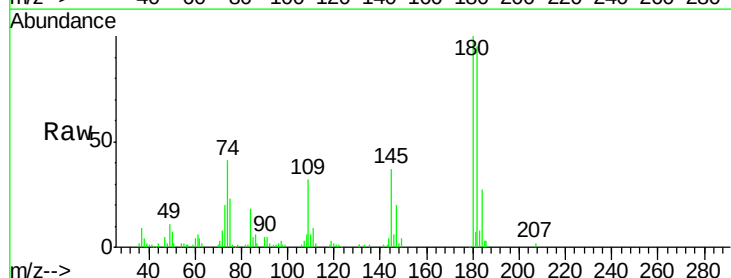
Tgt Ion:180 Resp: 28051

Ion Ratio Lower Upper

180 100

182 96.7 74.8 112.2

145 35.0 28.6 43.0



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

