

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122420\
 Data File : VW017729.D
 Acq On : 24 Dec 2020 11:29
 Operator : SY/VA
 Sample : VSTD05004
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Quant Time: Dec 24 12:10:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:06:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	410626	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375304	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	287426	52.17	ug/L	0.00
7) Chloroethane-d5	2.89	69	248820	53.25	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	535951	45.02	ug/L	0.00
20) 2-Butanone-d5	7.07	46	89947	79.52	ug/L	0.00
24) Chloroform-d	7.65	84	525050	45.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	261617	45.38	ug/L	0.00
29) Benzene-d6	8.27	84	1036060	45.31	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	283084	44.43	ug/L	0.00
37) Toluene-d8	10.32	98	1012285	48.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	131483	46.09	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	68582	87.16	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	202991	43.60	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	329956	45.31	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	202844	50.226 ug/L	96
3) Chloromethane	2.21	50	183023	46.238 ug/L	99
5) Vinyl chloride	2.37	62	305338	58.194 ug/L	100
6) Bromomethane	2.78	94	239777	61.652 ug/L	99
8) Chloroethane	2.92	64	197292	56.182 ug/L	98
9) Trichlorofluoromethane	3.26	101	246917	44.402 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	248473	43.440 ug/L	100
12) 1,1-Dichloroethene	4.04	96	239467	42.834 ug/L	89
13) Acetone	4.12	43	77215	69.508 ug/L	96
14) Carbon disulfide	4.38	76	752344	46.514 ug/L	99
15) Methyl Acetate	4.67	43	72906	38.440 ug/L	99
16) Methylene chloride	4.92	84	240184	39.720 ug/L	92
17) Methyl tert-butyl Ether	5.42	73	284471	45.850 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	264745	45.878 ug/L	93
19) 1,1-Dichloroethane	6.21	63	445535	45.729 ug/L	98
21) 2-Butanone	7.16	43	99722	75.756 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	271401	44.995 ug/L	96
23) Bromochloromethane	7.51	128	110999	40.635 ug/L	89
25) Chloroform	7.68	83	463655	45.051 ug/L	100
27) 1,2-Dichloroethane	8.40	62	284694	44.865 ug/L	99
30) Cyclohexane	7.96	56	423249	47.307 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	413151	46.601 ug/L	100
32) Carbon tetrachloride	8.07	117	400667	46.795 ug/L	100
34) Benzene	8.32	78	1016727	45.600 ug/L	100
35) Trichloroethene	9.09	95	284634	45.870 ug/L	98
36) Methylcyclohexane	9.34	83	498938	48.110 ug/L	98
40) 1,2-Dichloropropane	9.37	63	234503	44.630 ug/L	99
41) Bromodichloromethane	9.64	83	331252	45.569 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	391319	47.600 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	213116	85.038 ug/L	99

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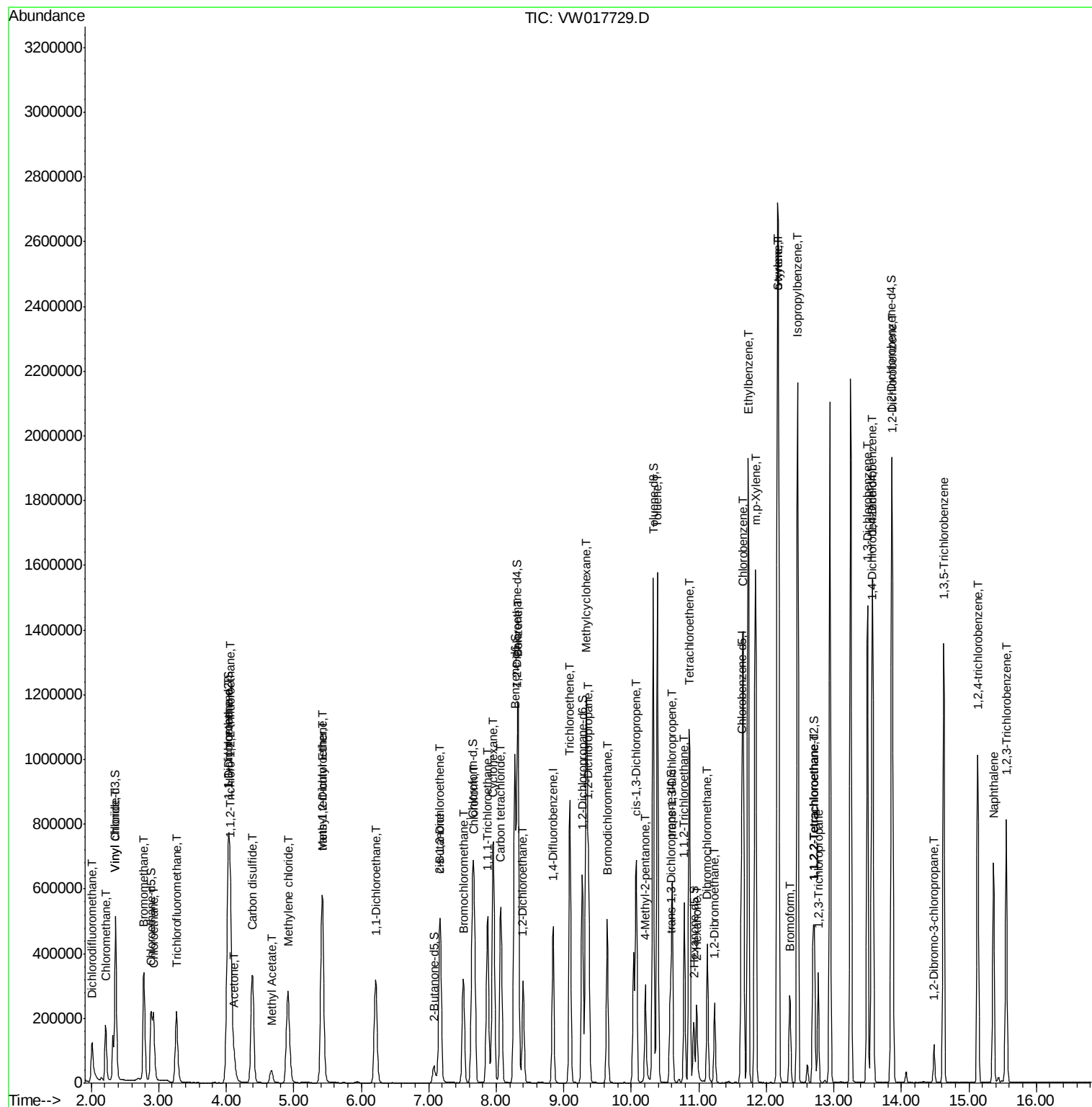
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1177922	48.579	ug/L	94
45) trans-1,3-Dichloropropene	10.60	75	331845	46.843	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	167026	42.035	ug/L	96
47) Tetrachloroethene	10.86	164	229692	43.960	ug/L	96
49) 2-Hexanone	10.97	43	156687	86.596	ug/L	98
50) Dibromochloromethane	11.13	129	215420	43.759	ug/L	97
51) 1,2-Dibromoethane	11.24	107	160848	42.295	ug/L	95
52) Chlorobenzene	11.66	112	718467	45.462	ug/L	95
53) Ethylbenzene	11.73	91	1335369	48.349	ug/L	97
54) m,p-Xylene	11.84	106	526620	49.832	ug/L	96
55) o-xylene	12.16	106	505506	51.425	ug/L	97
56) Styrene	12.18	104	869418	52.598	ug/L	94
57) Isopropylbenzene	12.46	105	1427488	52.868	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	185775	42.864	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	135054	42.124	ug/L	99
62) Bromoform	12.35	173	116304	42.000	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	584467	46.369	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	580999	46.215	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	500098	45.571	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	28815	39.458	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.63	180	391162	43.488	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	311020	42.607	ug/L	98
69) Naphthalene	15.36	128	563825	47.668	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	254025	41.998	ug/L	96

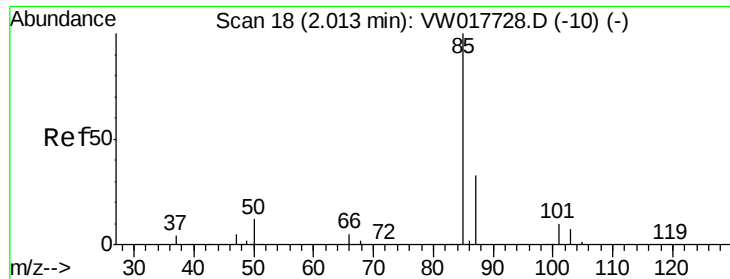
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.226 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

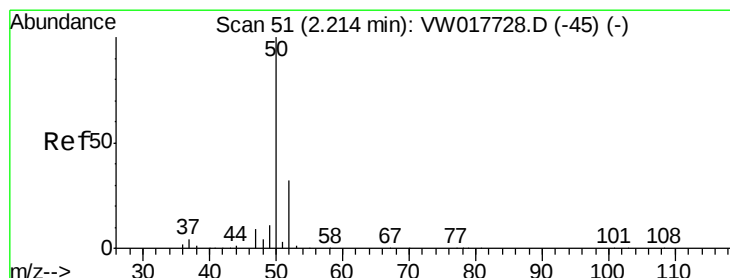
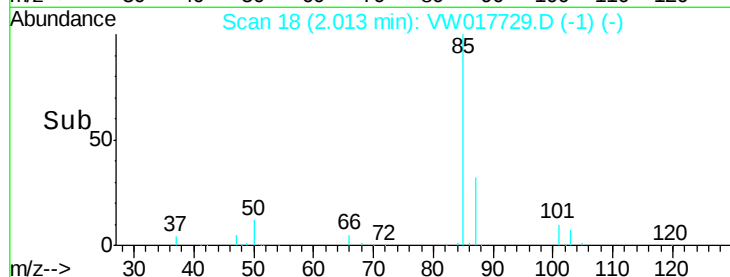
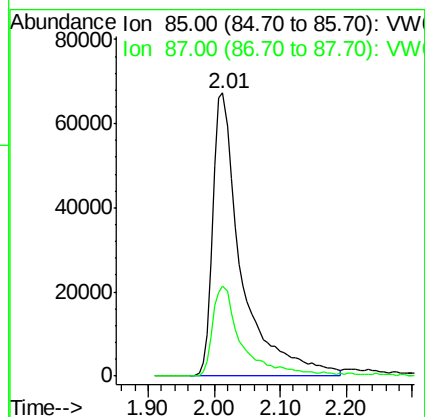
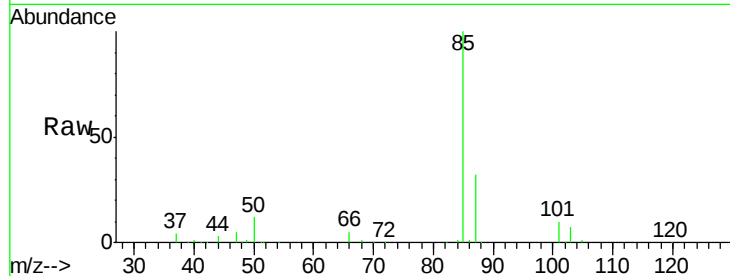
VSTD05004

Tgt Ion: 85 Resp: 202844

Ion Ratio Lower Upper

85 100

87 29.3 22.0 41.0



#3

Chloromethane

Concen: 46.238 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017729.D

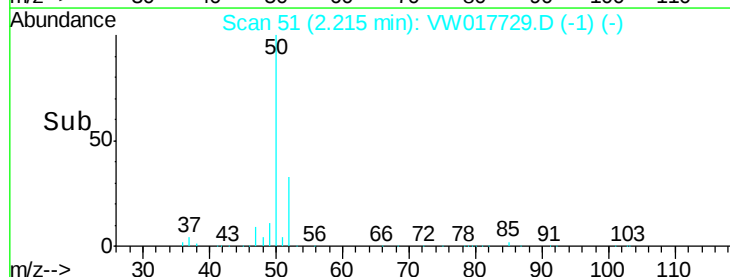
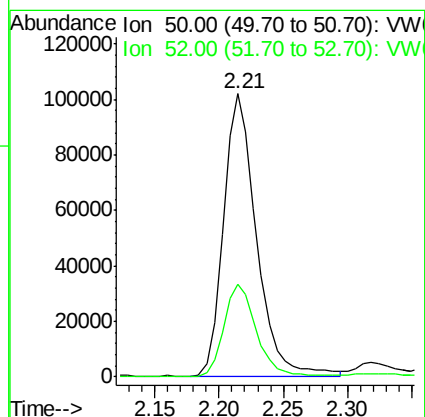
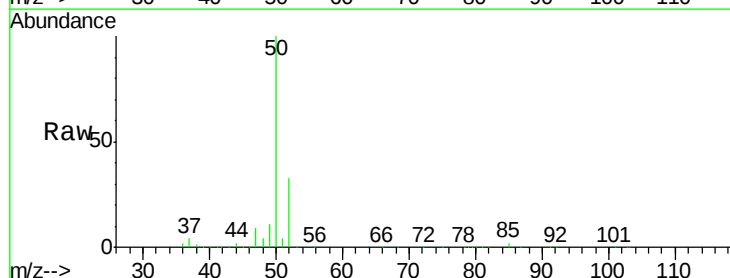
Acq: 24 Dec 2020 11:29

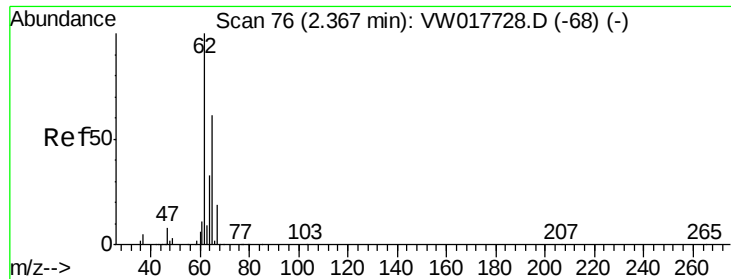
Tgt Ion: 50 Resp: 183023

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.9





#5

Vinyl chloride

Concen: 58.194 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

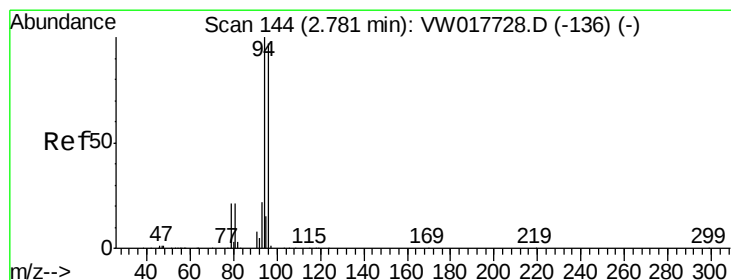
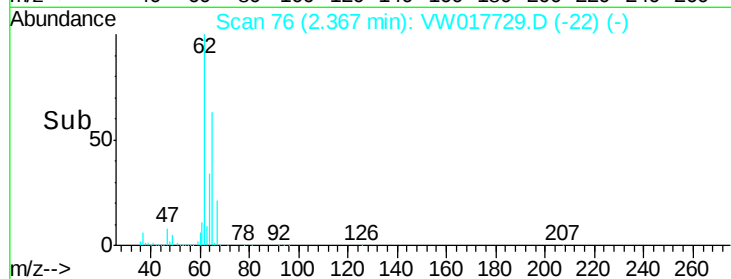
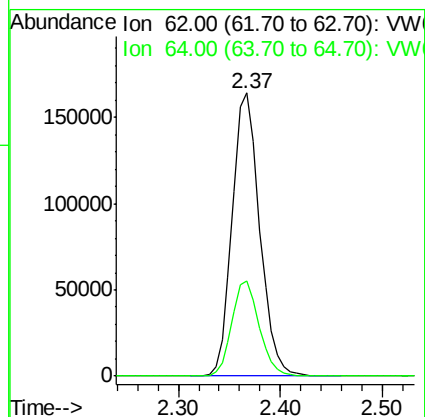
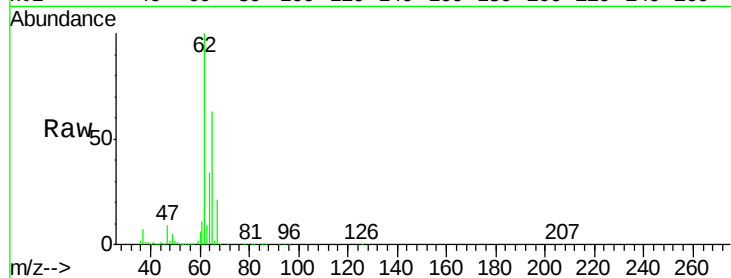
VSTD05004

Tgt Ion: 62 Resp: 305338

Ion Ratio Lower Upper

62 100

64 33.6 23.3 43.3



#6

Bromomethane

Concen: 61.652 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017729.D

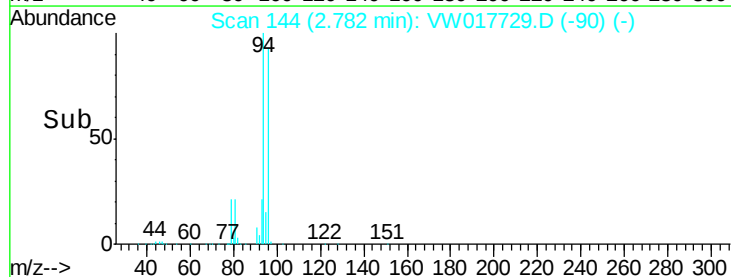
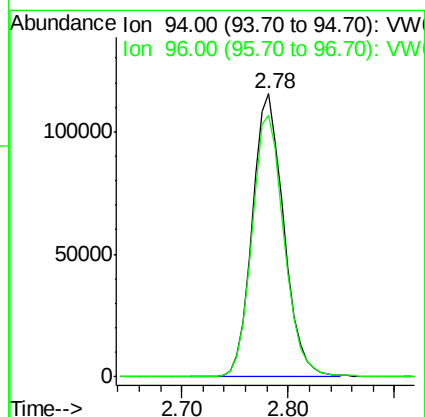
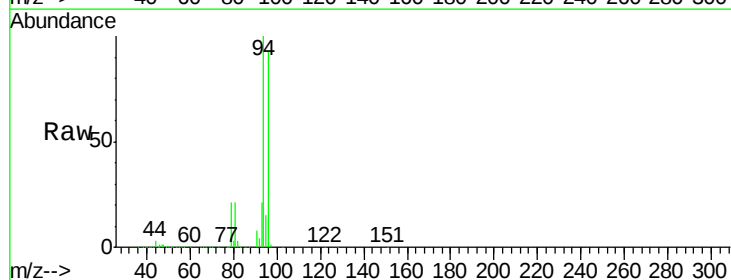
Acq: 24 Dec 2020 11:29

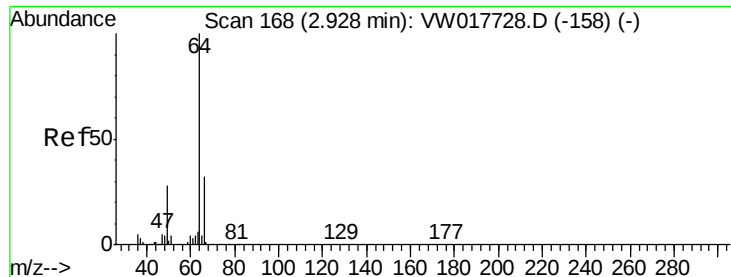
Tgt Ion: 94 Resp: 239777

Ion Ratio Lower Upper

94 100

96 94.9 9.4 178.6





#8

Chloroethane

Concen: 56.182 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

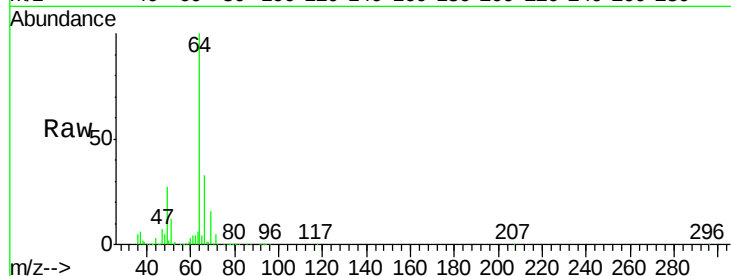
VSTD05004

Tgt Ion: 64 Resp: 197292

Ion Ratio Lower Upper

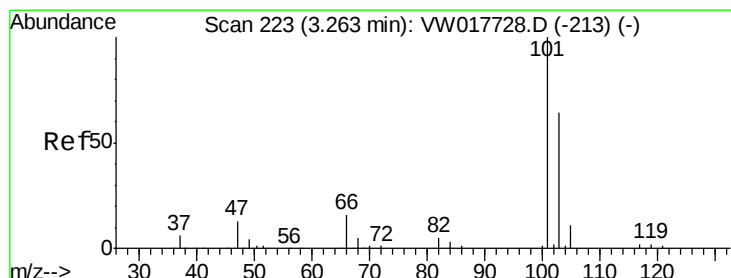
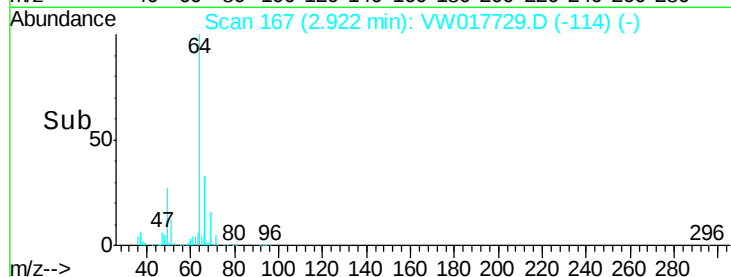
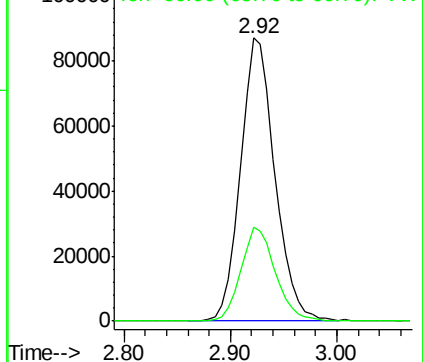
64 100

66 33.0 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 44.402 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017729.D

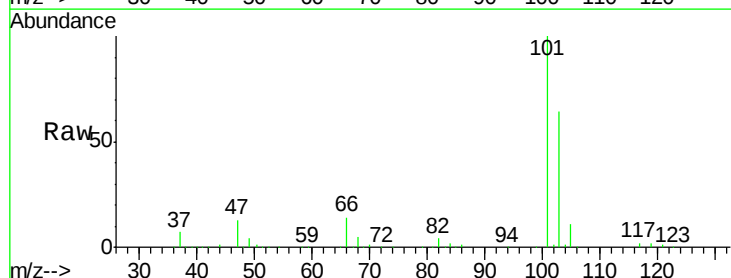
Acq: 24 Dec 2020 11:29

Tgt Ion: 101 Resp: 246917

Ion Ratio Lower Upper

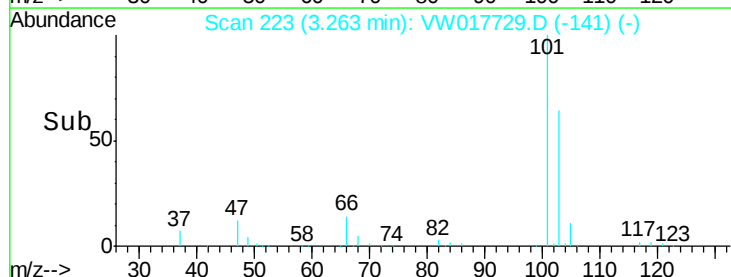
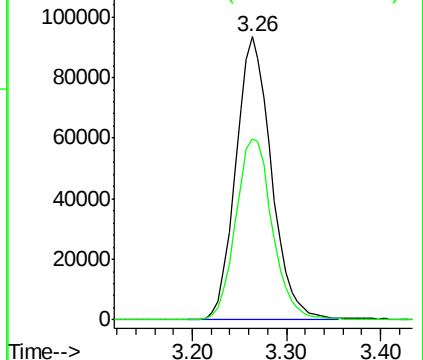
101 100

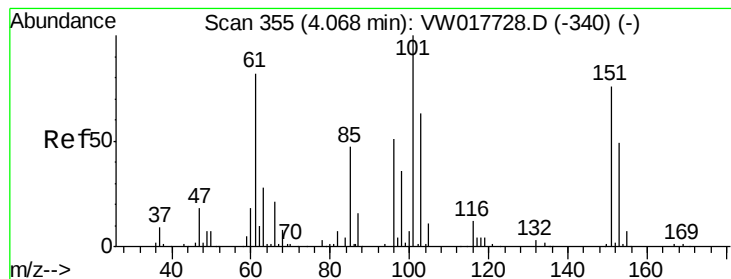
103 65.7 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 43.440 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

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ClientSampleId :

VSTD05004

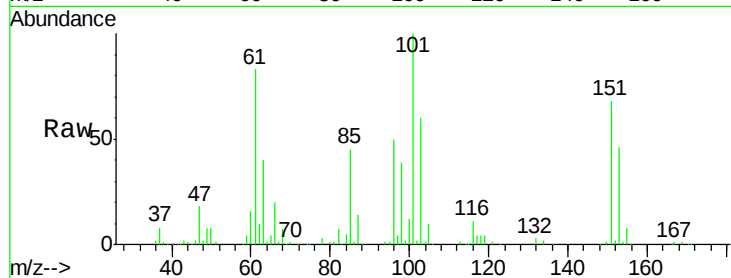
Tgt Ion: 101 Resp: 248473

Ion Ratio Lower Upper

101 100

85 45.6 36.7 55.1

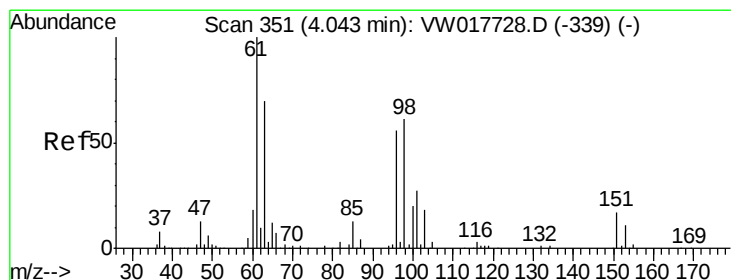
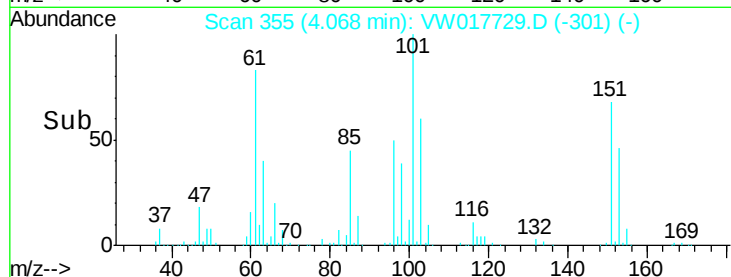
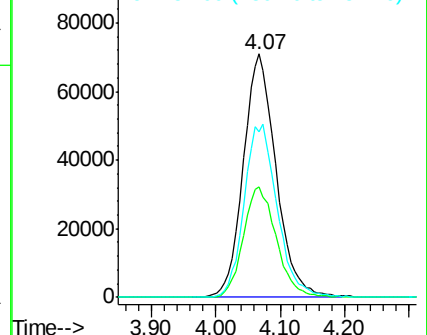
151 71.8 57.7 86.5



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: 42.834 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

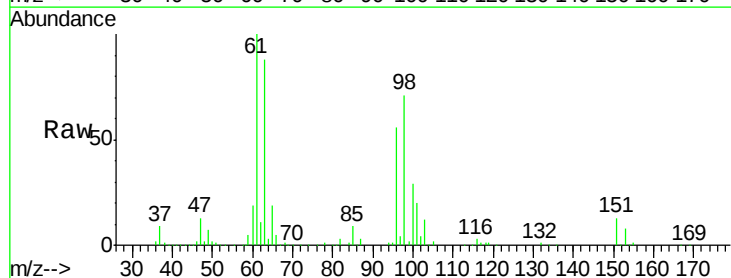
Tgt Ion: 96 Resp: 239467

Ion Ratio Lower Upper

96 100

61 179.3 126.1 234.1

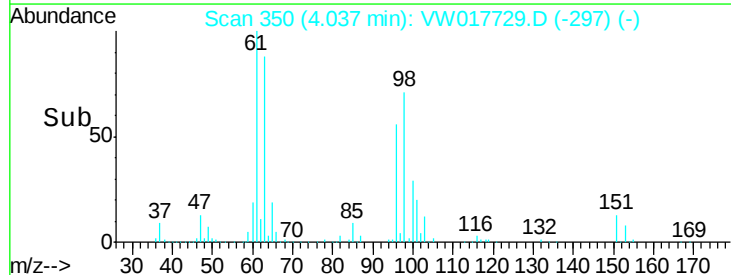
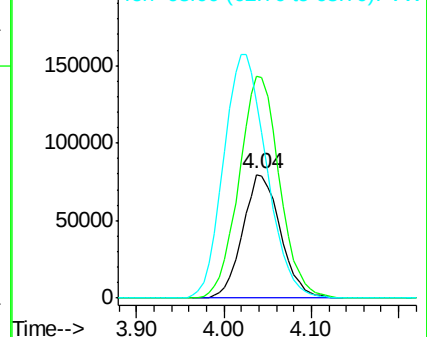
63 158.6 90.0 167.2

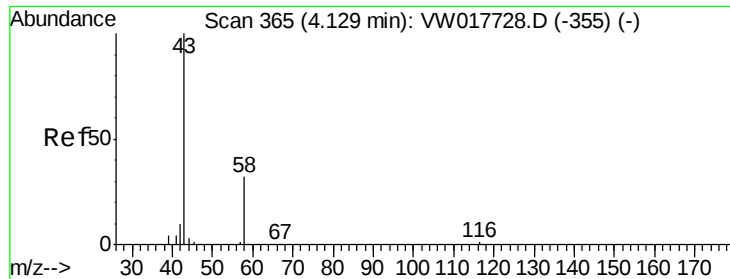


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 69.508 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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ClientSampleId :

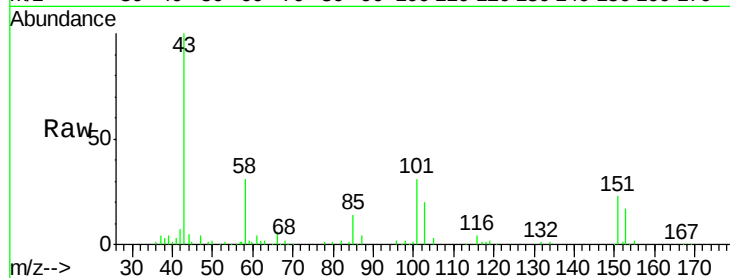
VSTD05004

Tgt Ion: 43 Resp: 77215

Ion Ratio Lower Upper

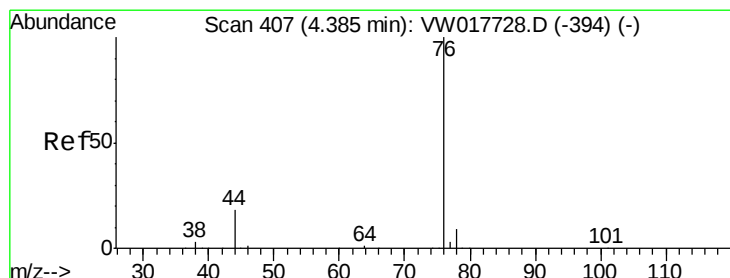
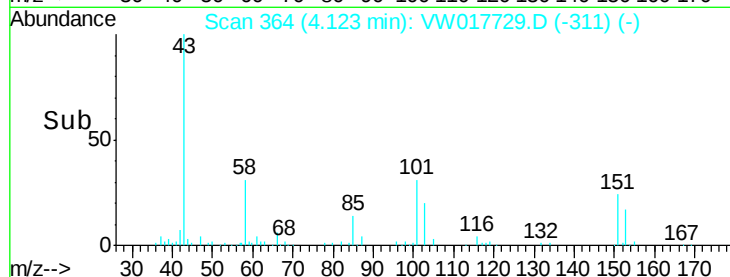
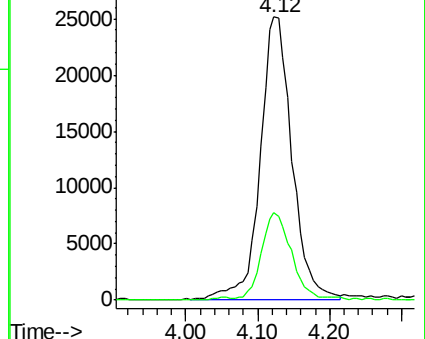
43 100

58 28.1 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 46.514 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017729.D

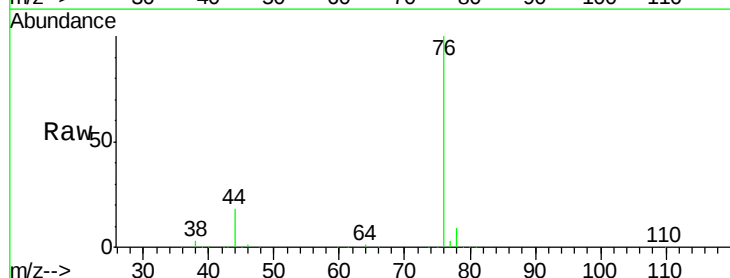
Acq: 24 Dec 2020 11:29

Tgt Ion: 76 Resp: 752344

Ion Ratio Lower Upper

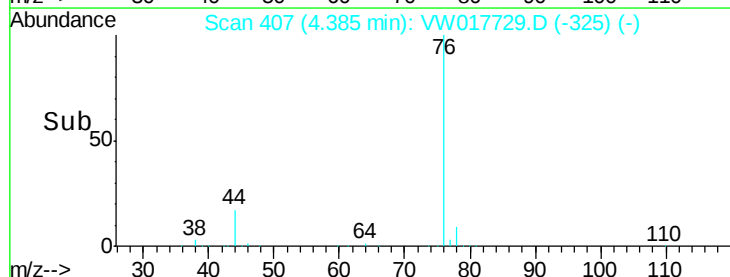
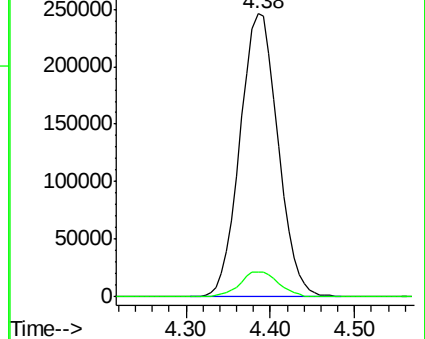
76 100

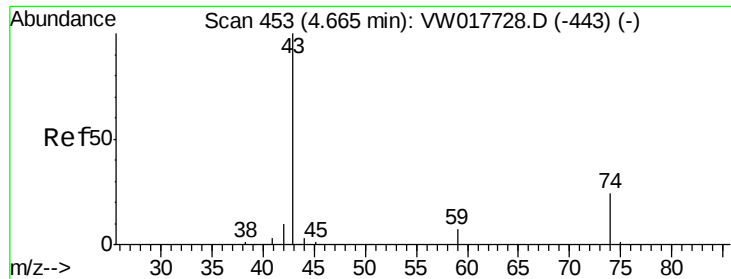
78 8.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 38.440 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

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MSVOA_W

ClientSampled :

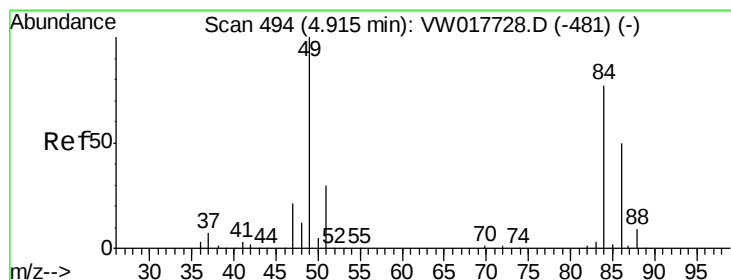
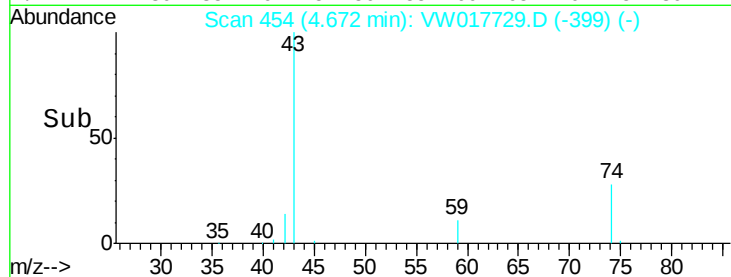
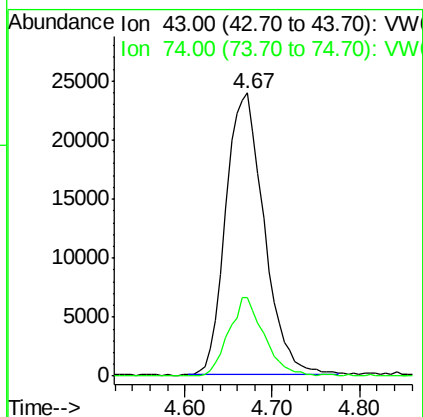
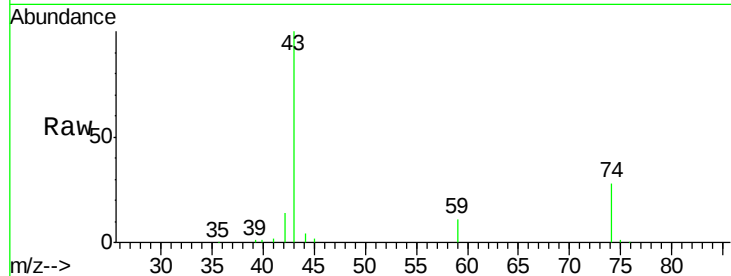
VSTD05004

Tgt Ion: 43 Resp: 72906

Ion Ratio Lower Upper

43 100

74 25.8 20.2 30.4



#16

Methylene chloride

Concen: 39.720 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

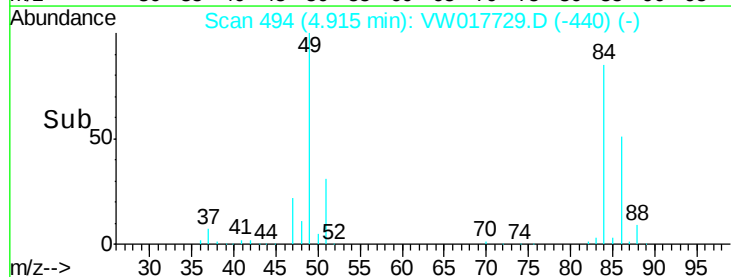
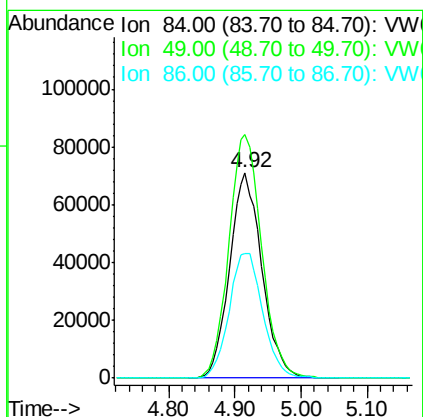
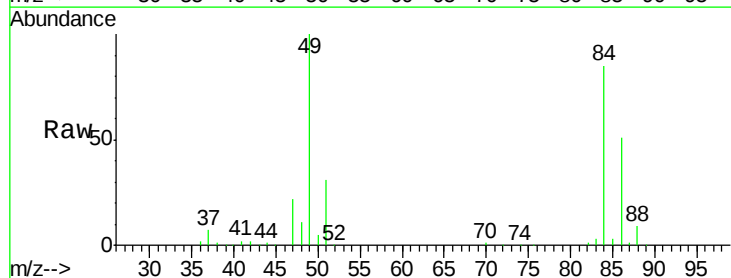
Tgt Ion: 84 Resp: 240184

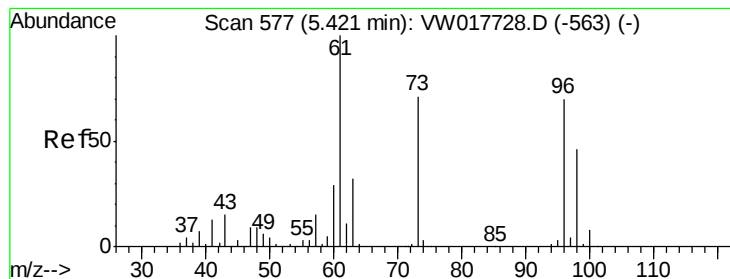
Ion Ratio Lower Upper

84 100

49 118.3 90.5 168.1

86 60.8 44.8 83.2





#17

Methyl tert-butyl Ether

Concen: 45.850 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

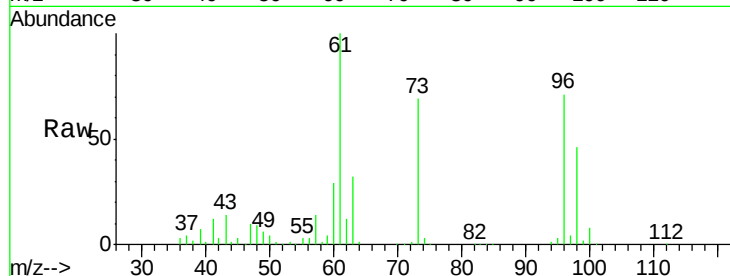
Tgt Ion: 73 Resp: 284471

Ion Ratio Lower Upper

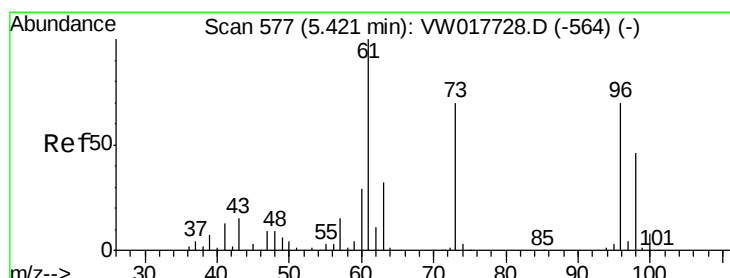
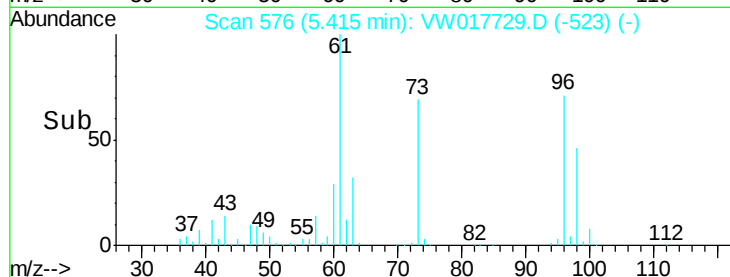
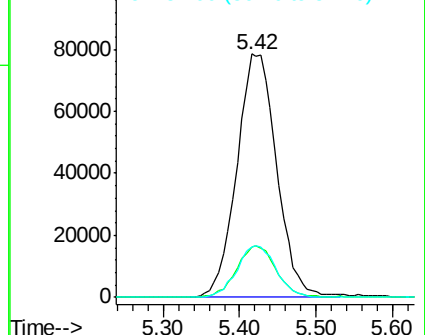
73 100

43 20.8 17.1 25.7

57 20.8 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: 45.878 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

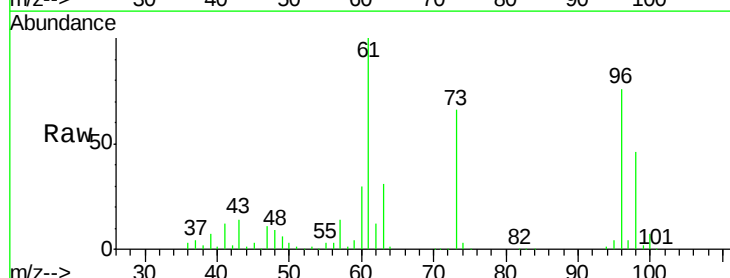
Tgt Ion: 96 Resp: 264745

Ion Ratio Lower Upper

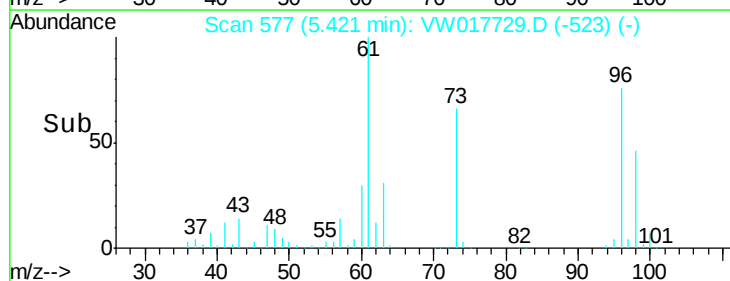
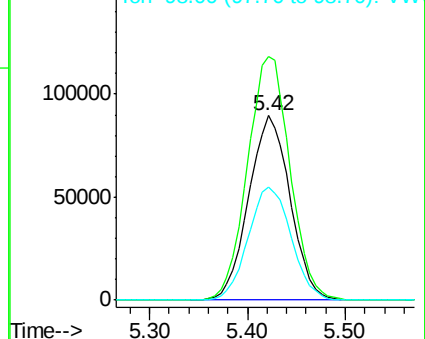
96 100

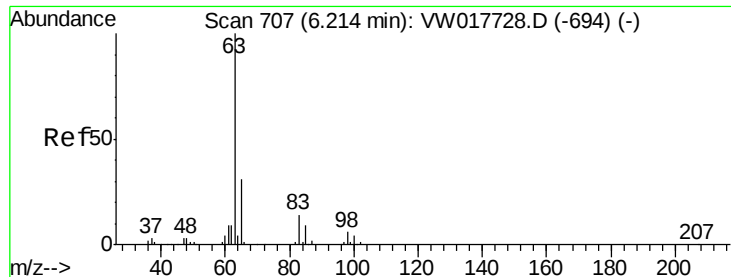
61 132.0 99.5 184.9

98 61.1 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: 45.729 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

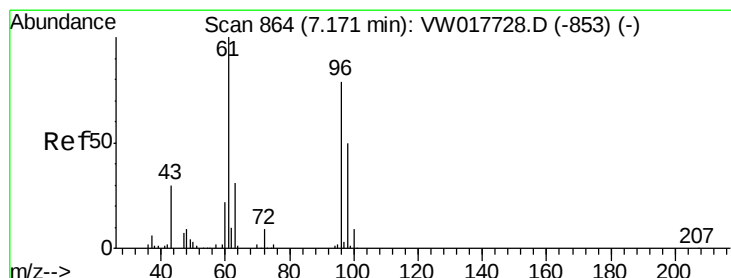
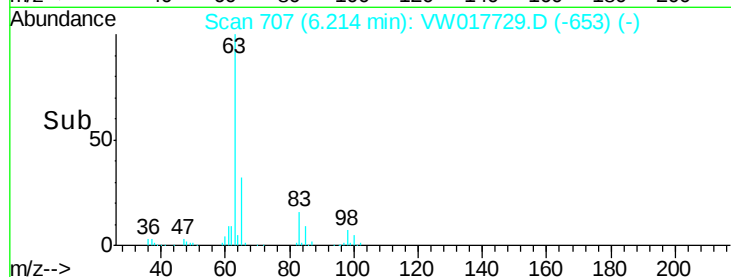
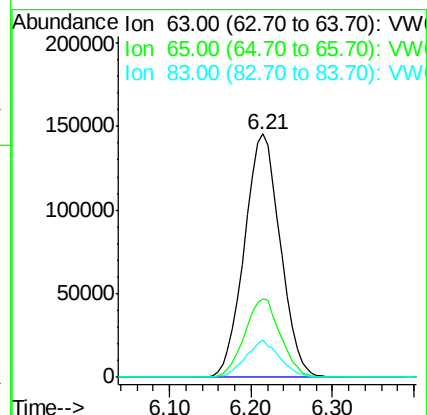
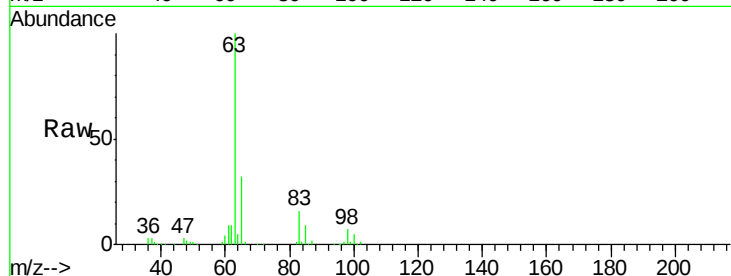
Tgt Ion: 63 Resp: 445535

Ion Ratio Lower Upper

63 100

65 32.5 21.9 40.7

83 15.5 10.0 18.6



#21

2-Butanone

Concen: 75.756 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017729.D

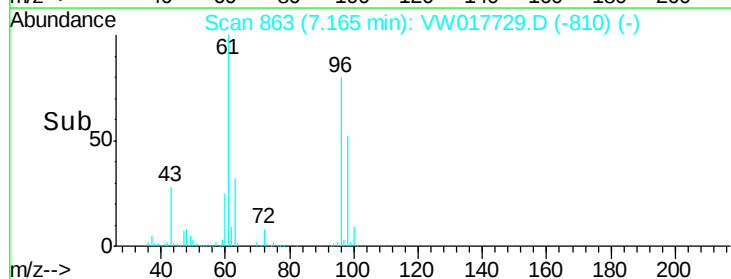
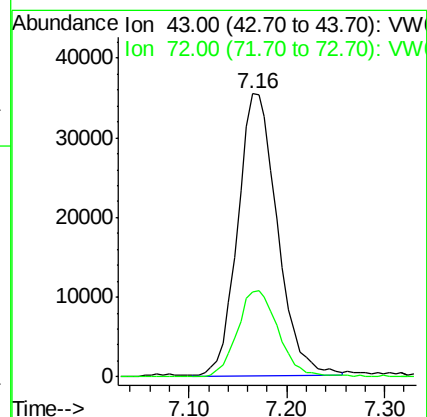
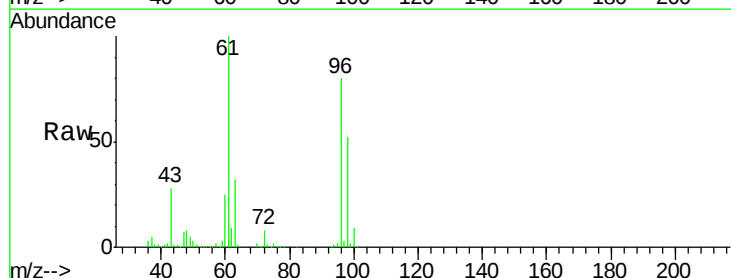
Acq: 24 Dec 2020 11:29

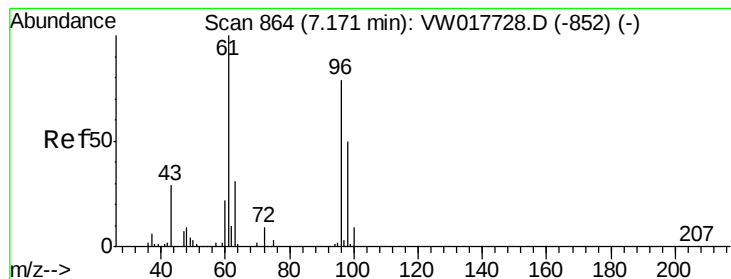
Tgt Ion: 43 Resp: 99722

Ion Ratio Lower Upper

43 100

72 31.3 15.4 46.2



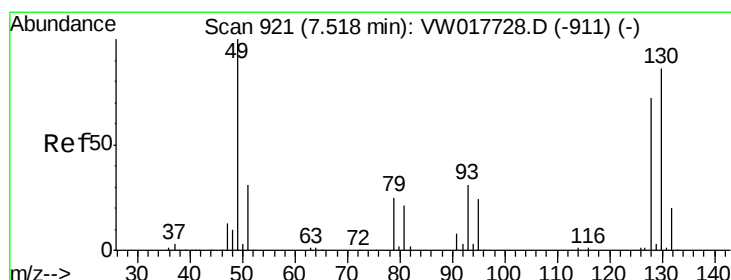
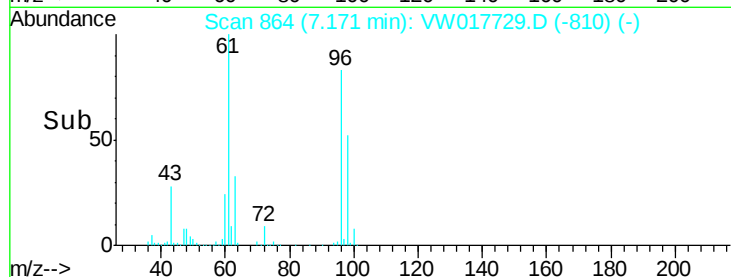
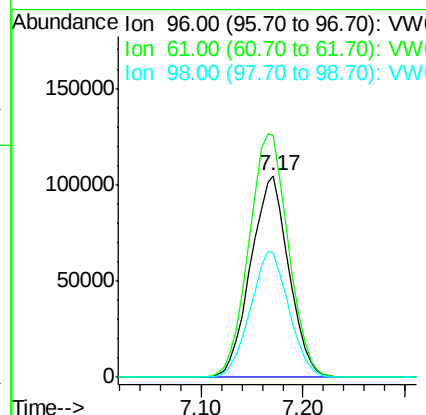
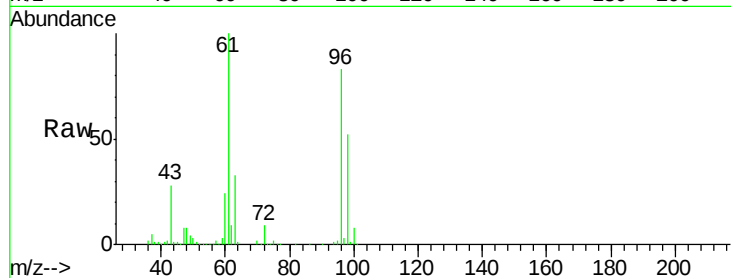


#22

cis-1,2-Dichloroethene
Concen: 44.995 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

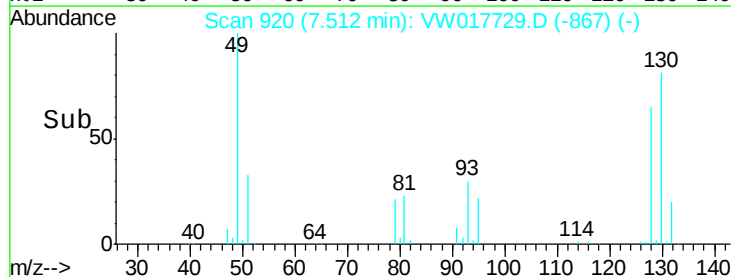
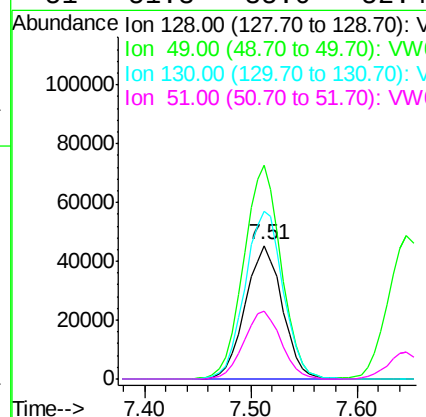
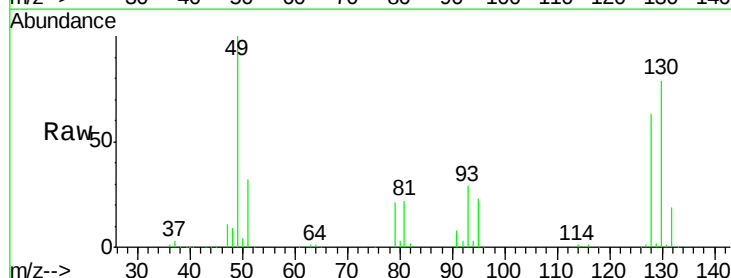
Tgt Ion: 96 Resp: 271401
Ion Ratio Lower Upper
96 100
61 119.9 88.2 163.8
98 62.1 43.7 81.1

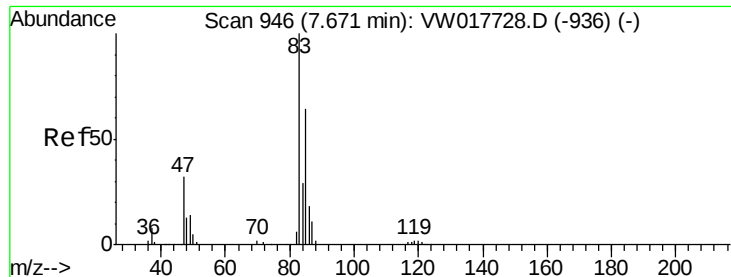


#23

Bromochloromethane
Concen: 40.635 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

Tgt Ion: 128 Resp: 110999
Ion Ratio Lower Upper
128 100
49 159.9 98.3 182.5
130 125.8 84.4 156.7
51 51.3 35.0 52.4

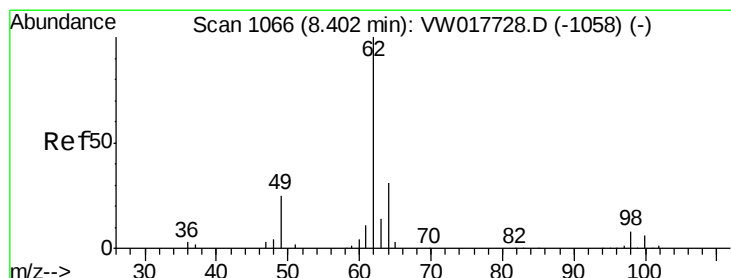
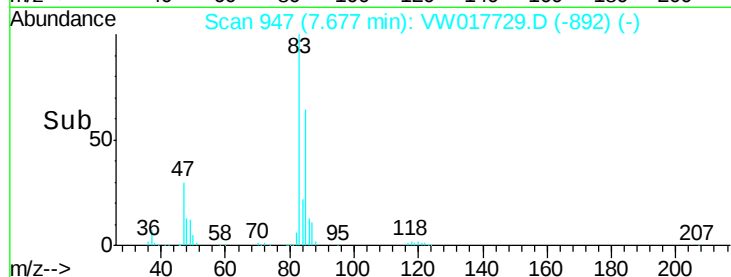
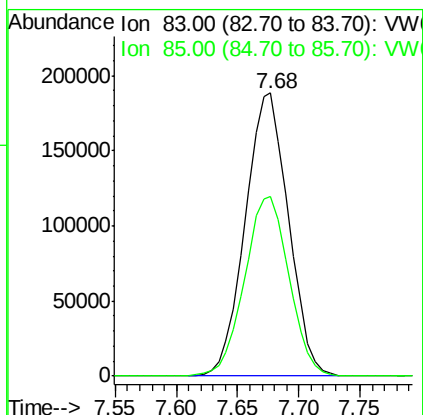
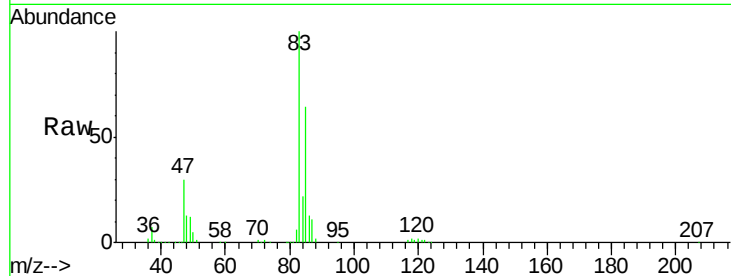




#25
Chloroform
Concen: 45.051 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

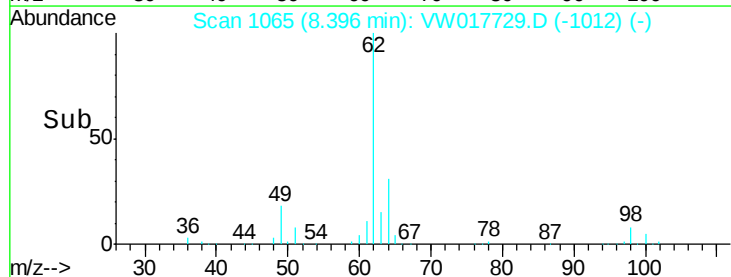
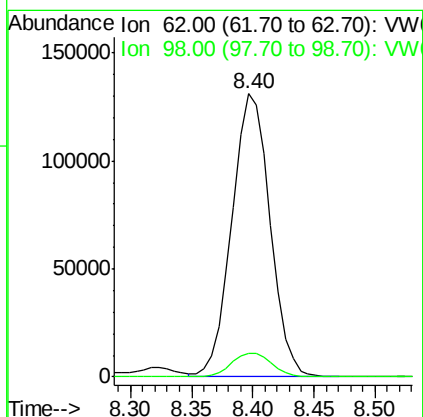
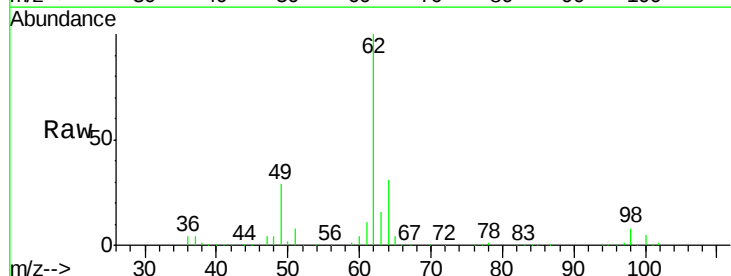
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

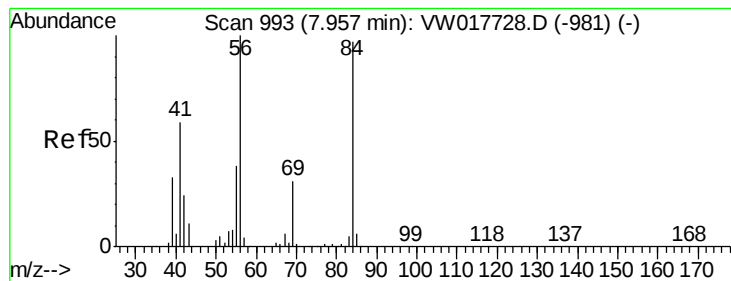
Tgt Ion: 83 Resp: 463655
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 44.865 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

Tgt Ion: 62 Resp: 284694
Ion Ratio Lower Upper
62 100
98 8.3 6.3 9.5





#30

Cyclohexane

Concen: 47.307 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

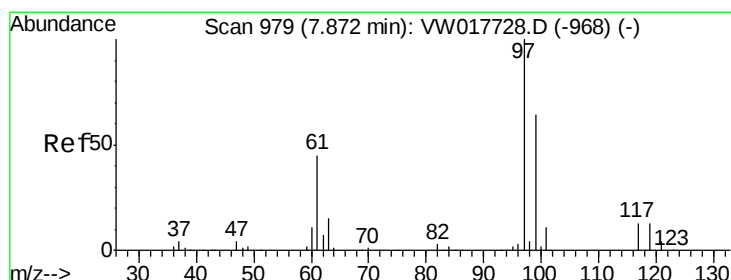
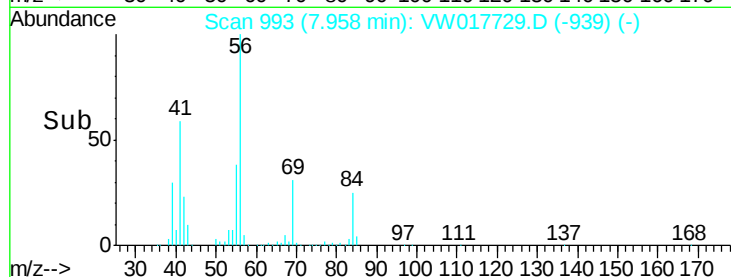
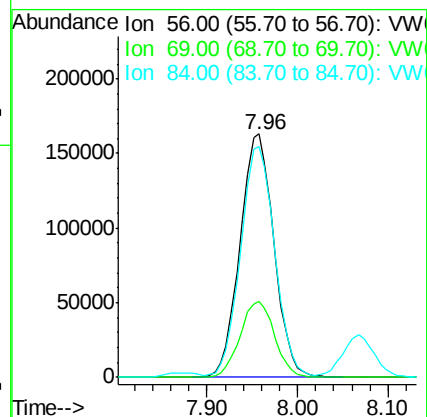
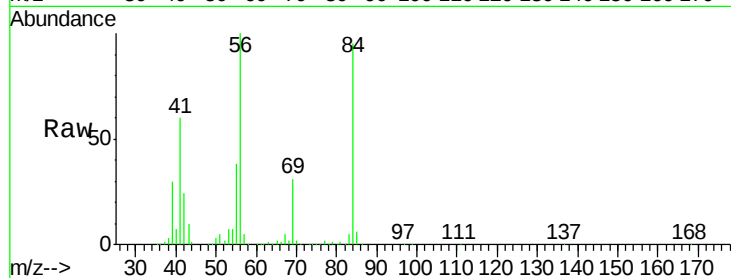
Tgt Ion: 56 Resp: 423249

Ion Ratio Lower Upper

56 100

69 31.6 25.0 37.4

84 95.4 76.6 115.0



#31

1,1,1-Trichloroethane

Concen: 46.601 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

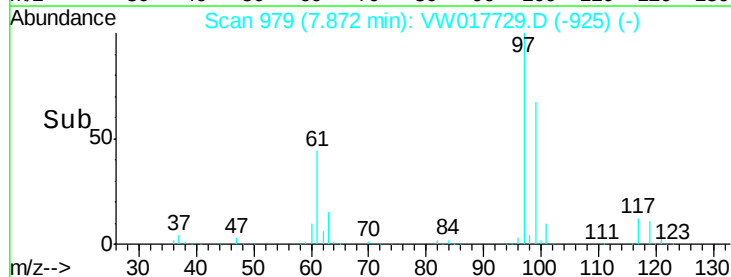
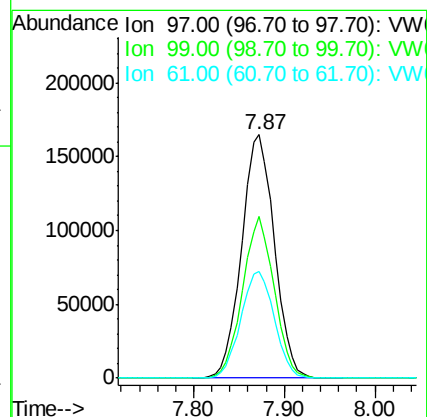
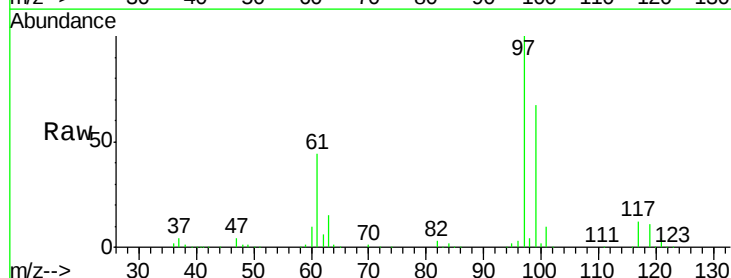
Tgt Ion: 97 Resp: 413151

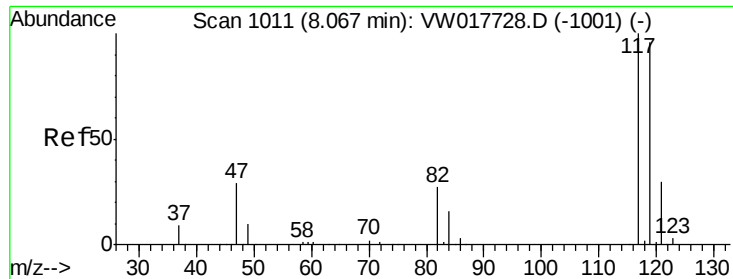
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 44.6 35.8 53.8





#32

Carbon tetrachloride

Concen: 46.795 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

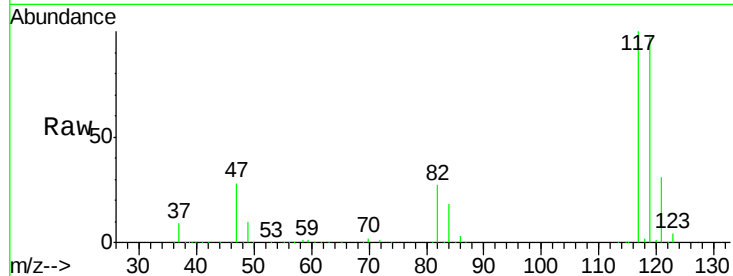
VSTD05004

Tgt Ion:117 Resp: 400667

Ion Ratio Lower Upper

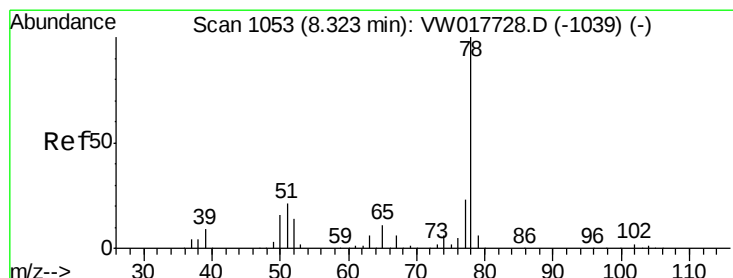
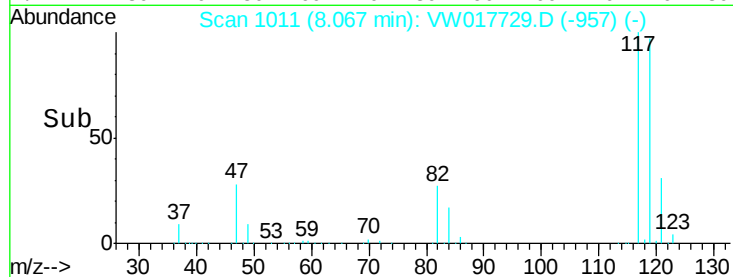
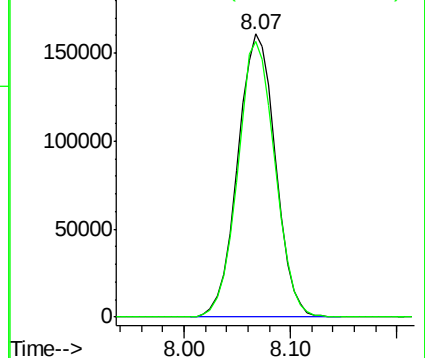
117 100

119 96.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 45.600 ug/L

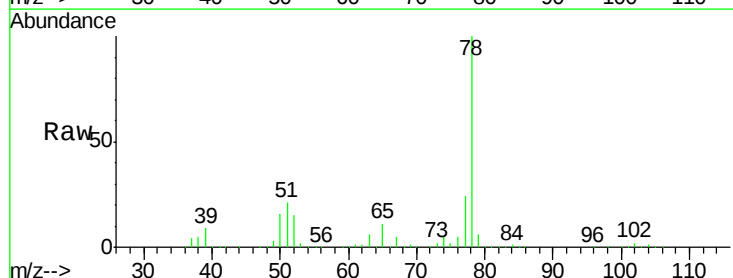
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

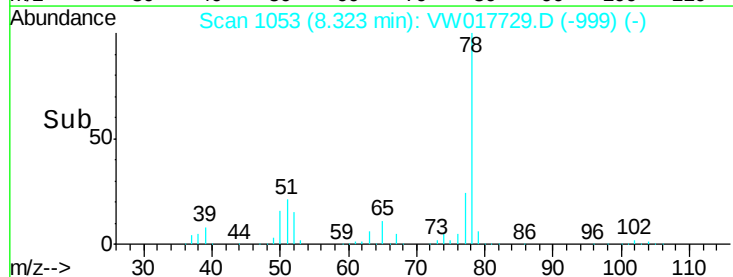
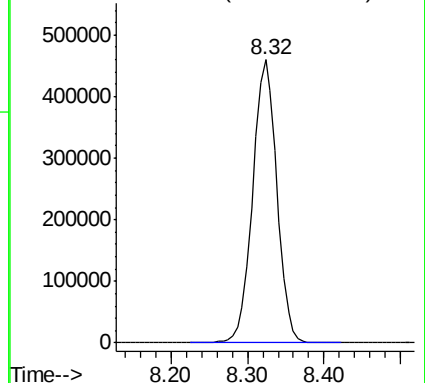
Lab File: VW017729.D

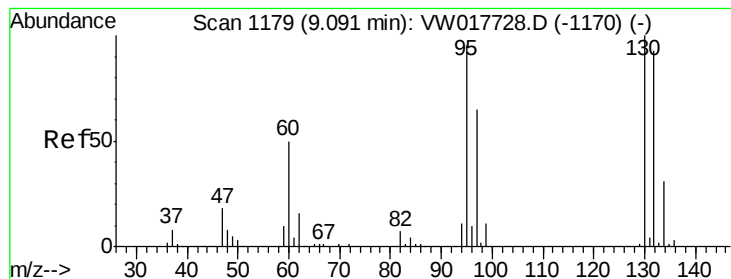
Acq: 24 Dec 2020 11:29

Tgt Ion: 78 Resp: 1016727



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 45.870 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 95 Resp: 284634

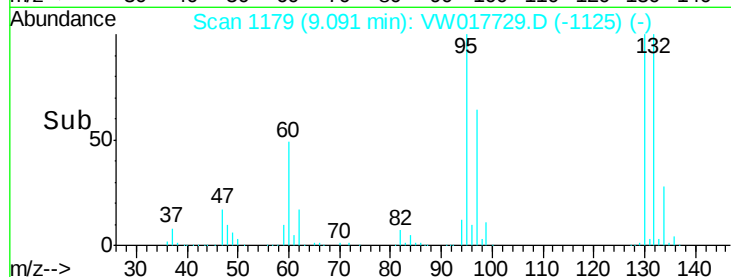
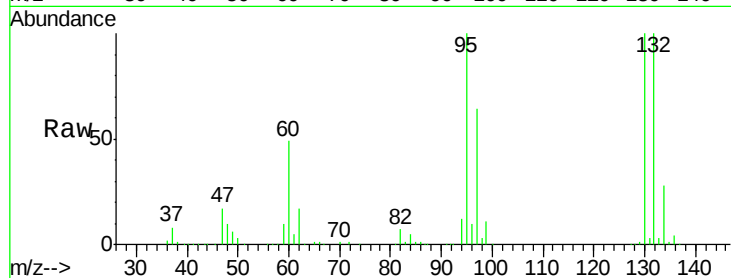
Ion Ratio Lower Upper

95 100

97 64.4 46.8 87.0

132 100.3 68.3 126.9

130 101.9 71.8 133.4

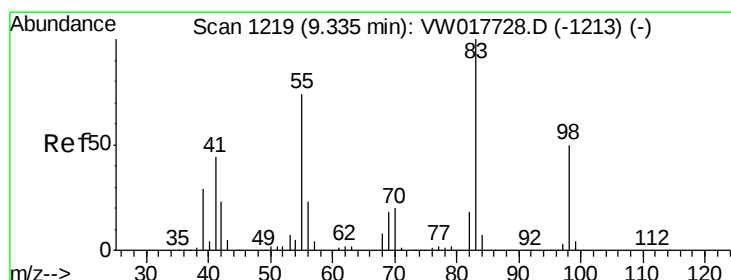
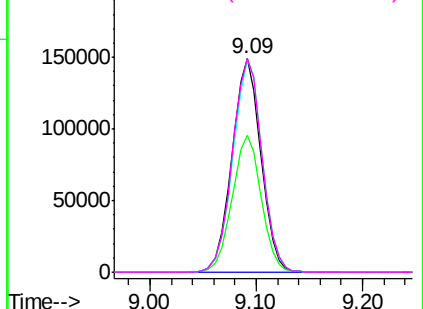


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 48.110 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

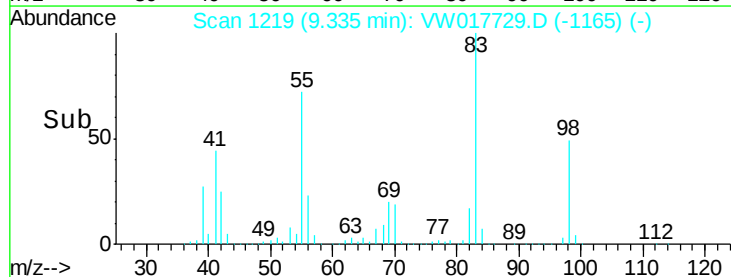
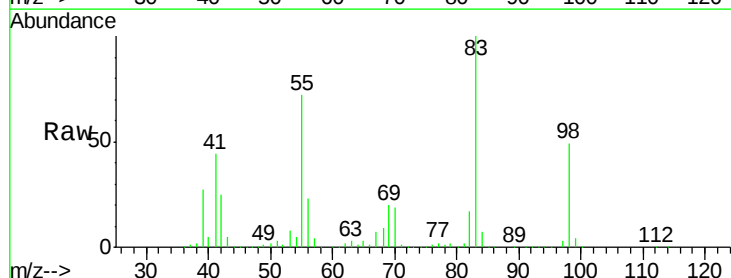
Tgt Ion: 83 Resp: 498938

Ion Ratio Lower Upper

83 100

55 72.8 57.6 86.4

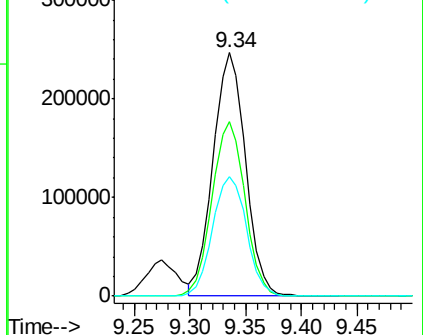
98 51.2 39.7 59.5

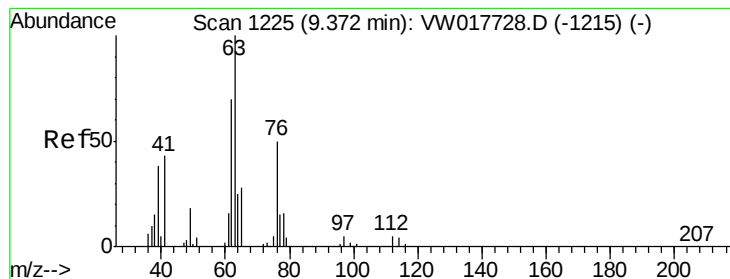


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 44.630 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

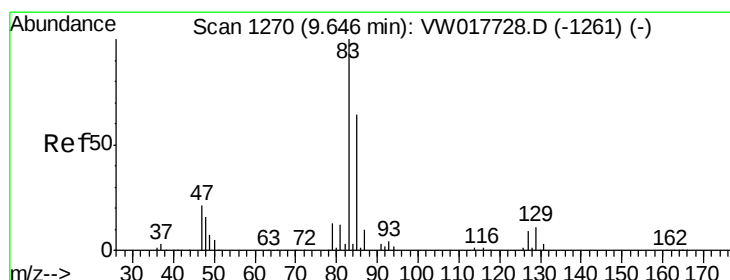
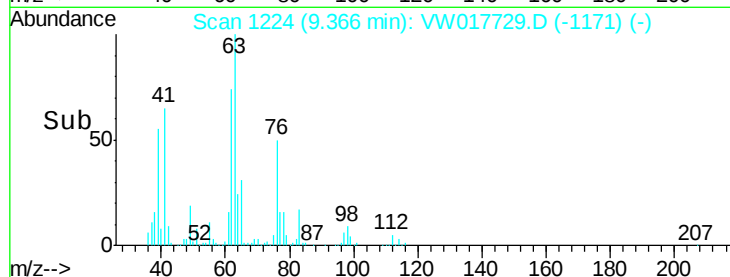
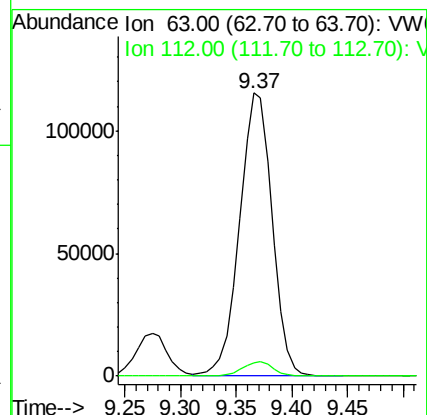
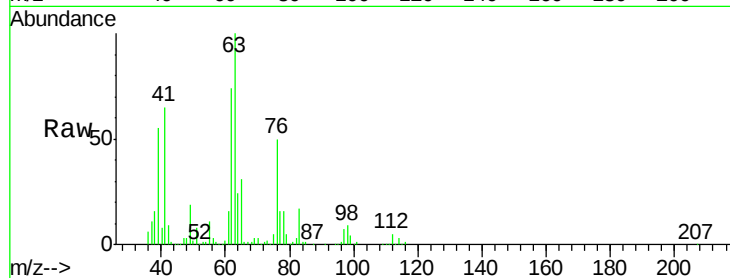
VSTD05004

Tgt Ion: 63 Resp: 234503

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



#41

Bromodichloromethane

Concen: 45.569 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

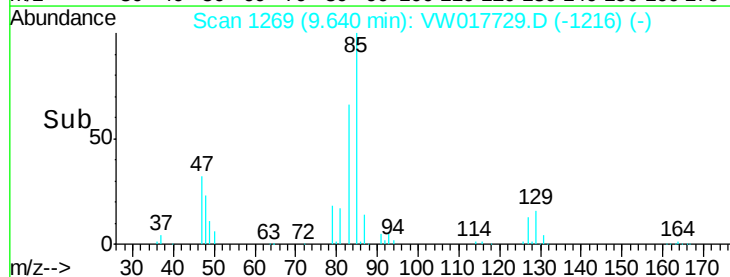
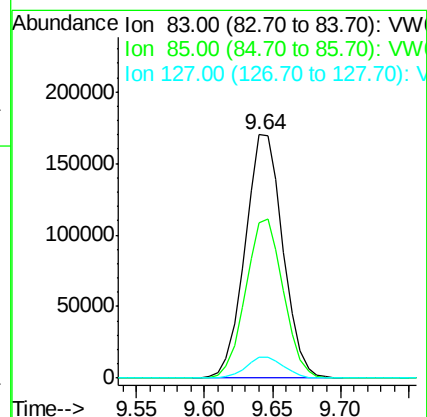
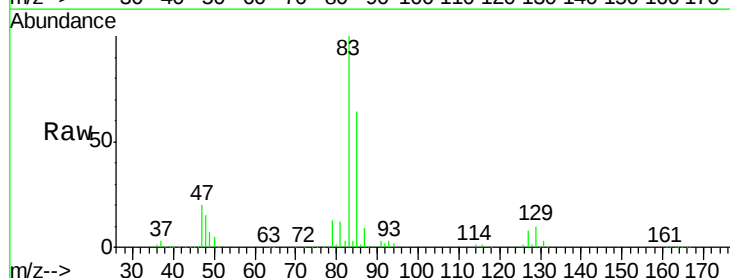
Tgt Ion: 83 Resp: 331252

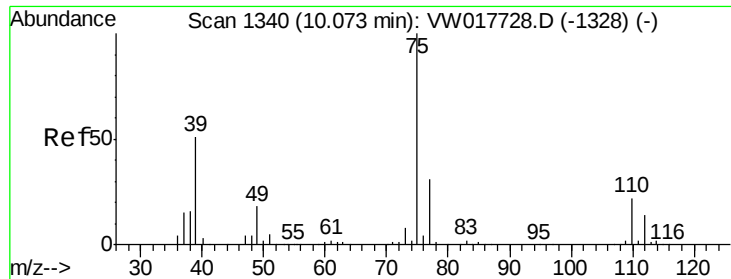
Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

127 8.3 6.9 10.3

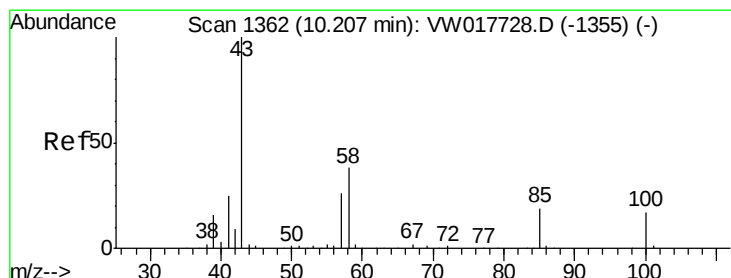
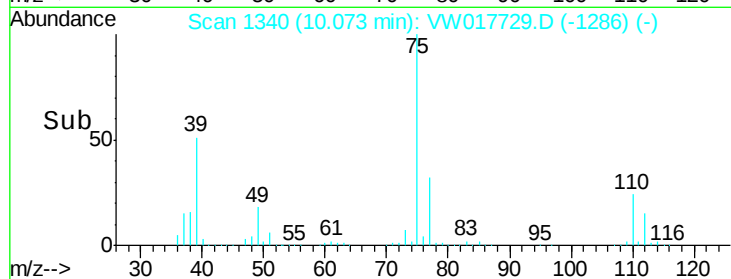
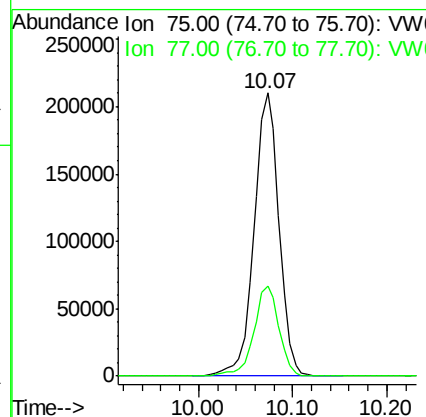
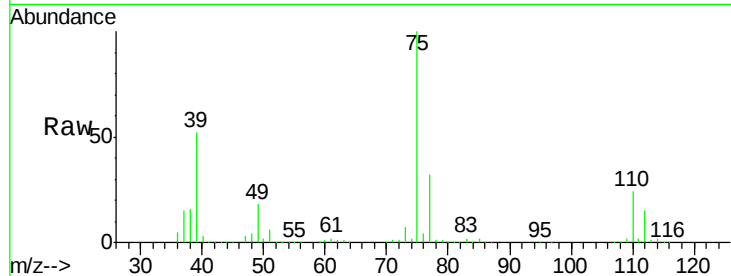




#42
 cis-1,3-Dichloropropene
 Concen: 47.600 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017729.D
 Acq: 24 Dec 2020 11:29

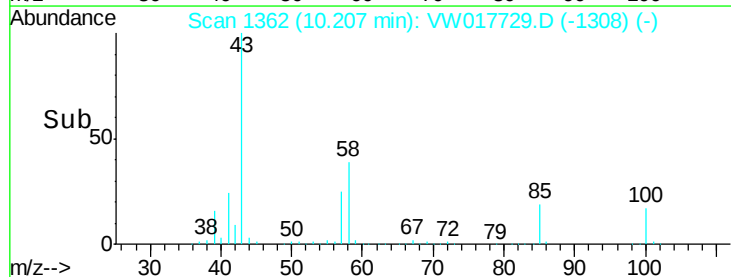
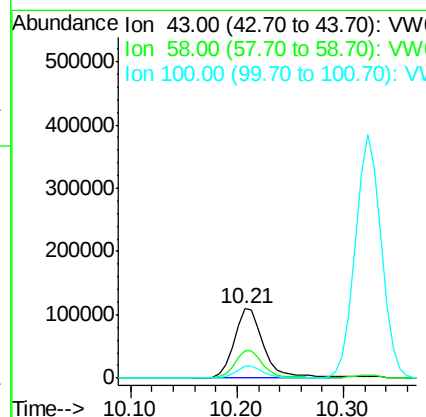
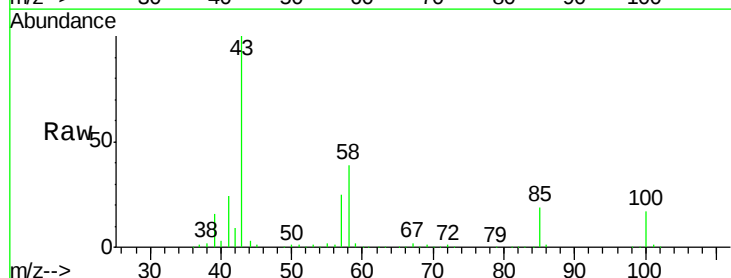
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

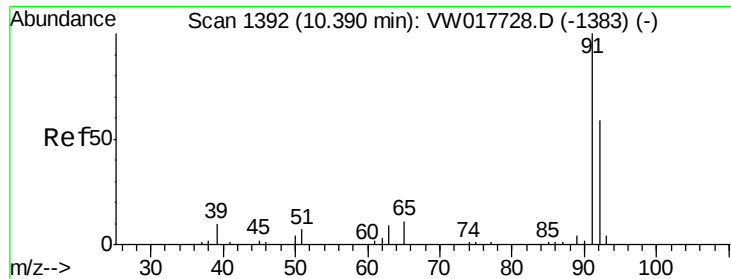
Tgt Ion: 75 Resp: 391319
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 85.038 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW017729.D
 Acq: 24 Dec 2020 11:29

Tgt Ion: 43 Resp: 213116
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.0 46.4
 100 17.1 13.5 20.3





#44

Toluene

Concen: 48.579 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

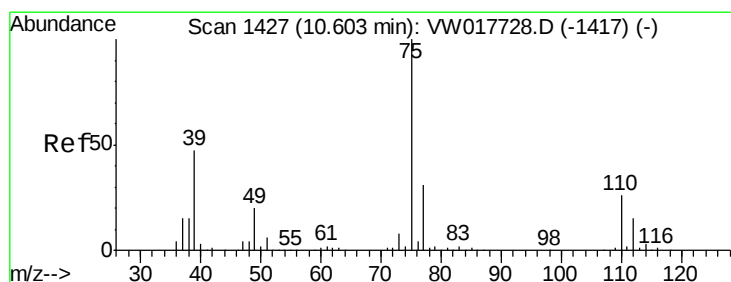
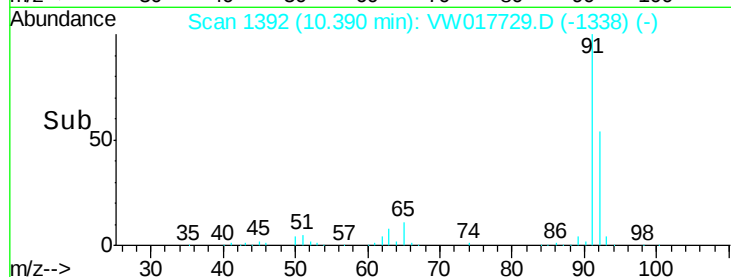
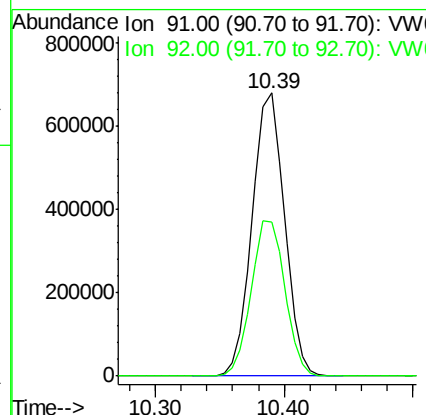
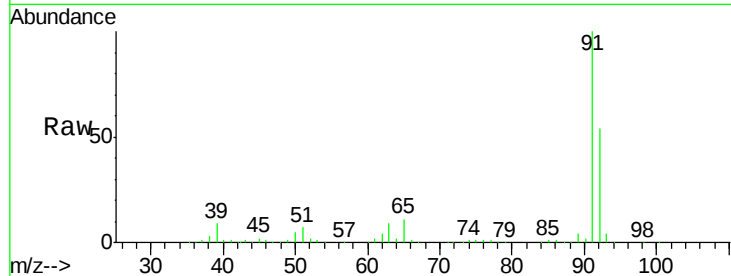
VSTD05004

Tgt Ion: 91 Resp: 1177922

Ion Ratio Lower Upper

91 100

92 54.5 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 46.843 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017729.D

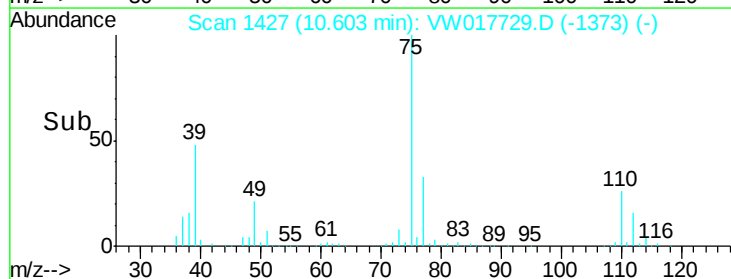
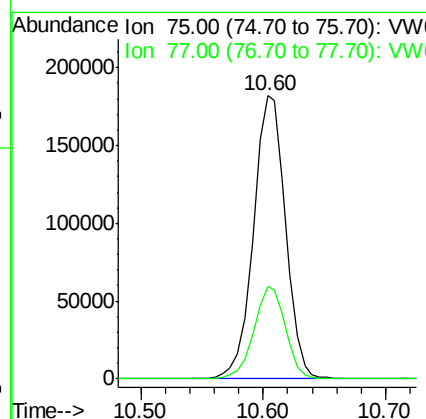
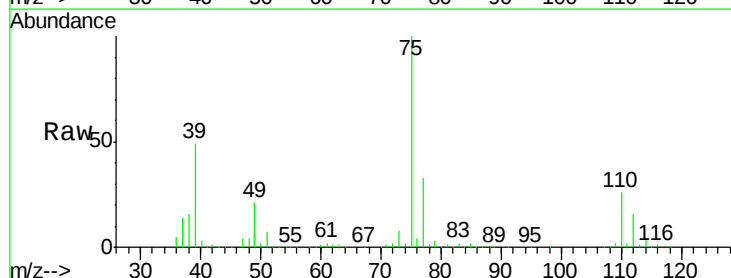
Acq: 24 Dec 2020 11:29

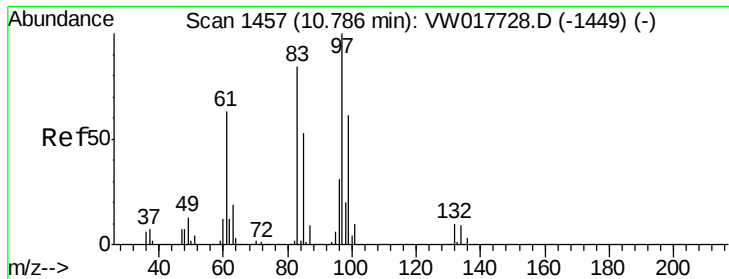
Tgt Ion: 75 Resp: 331845

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 42.035 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 167026

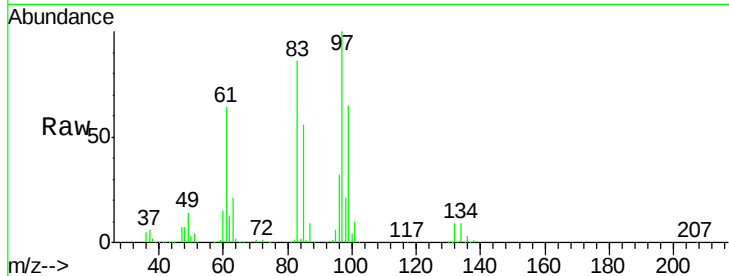
Ion Ratio Lower Upper

97 100

83 86.2 58.9 109.5

85 56.5 37.1 68.9

99 64.7 42.7 79.3

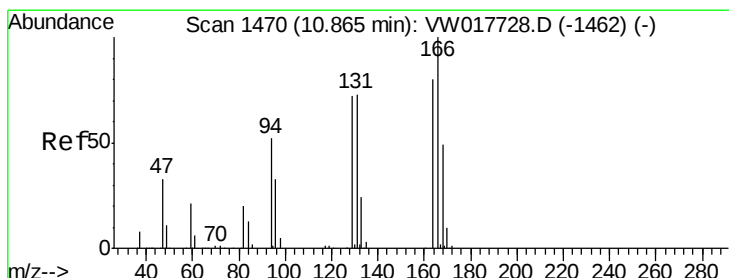
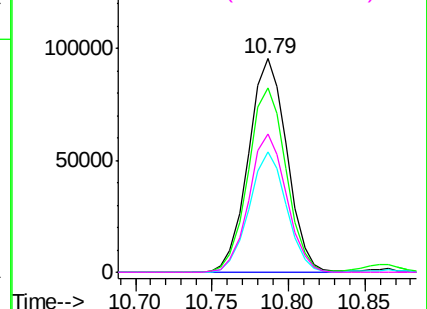
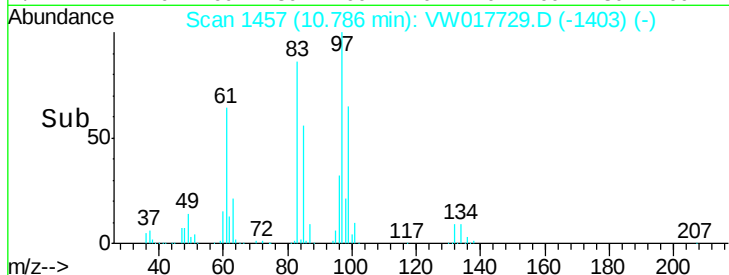


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 43.960 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Tgt Ion: 164 Resp: 229692

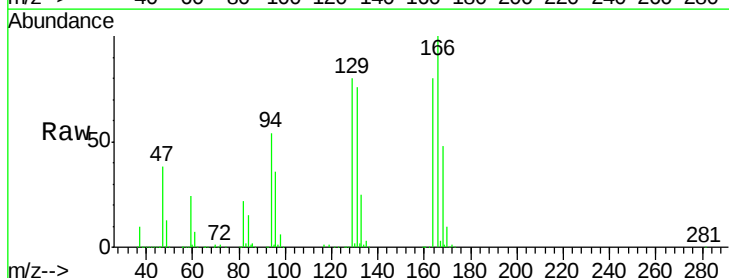
Ion Ratio Lower Upper

164 100

129 99.6 62.9 116.9

131 95.0 63.8 118.6

166 124.7 87.4 162.2

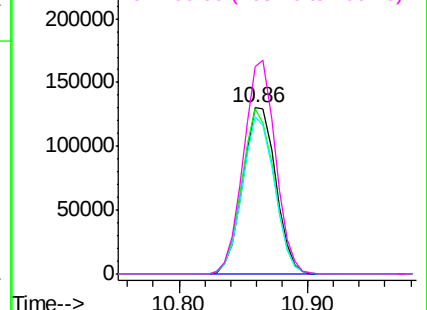
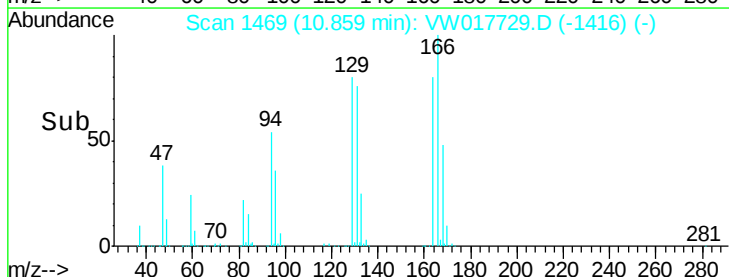


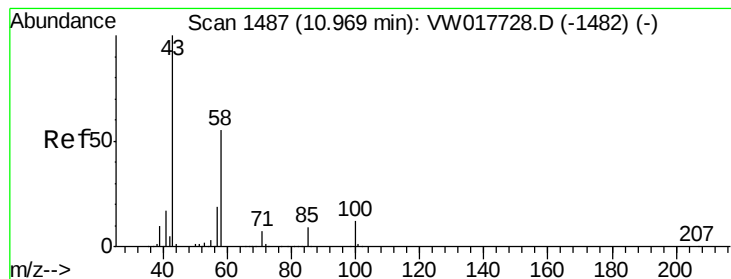
Abundance Ion 164.00 (163.70 to 164.70): V

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: 86.596 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 43 Resp: 156687

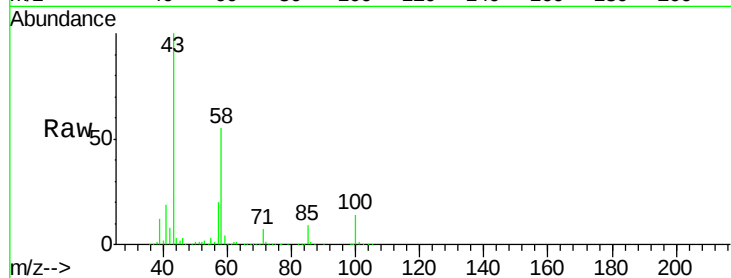
Ion Ratio Lower Upper

43 100

58 54.8 44.2 66.4

57 17.9 16.1 24.1

100 13.5 11.0 16.4

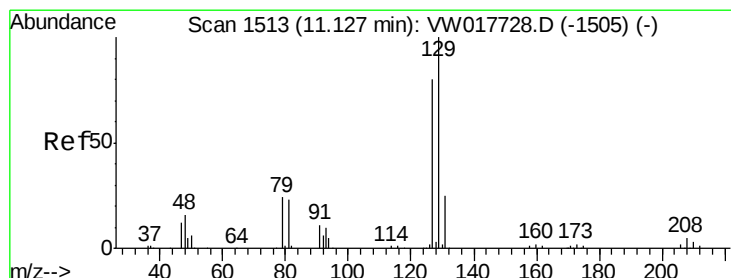
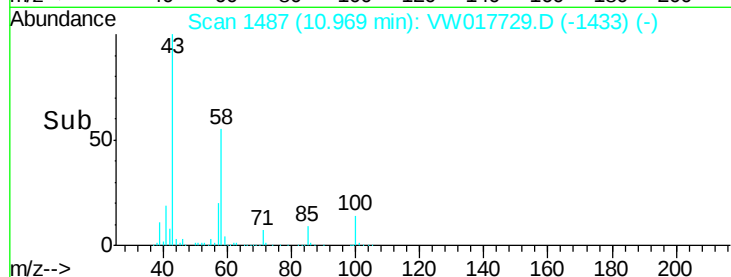
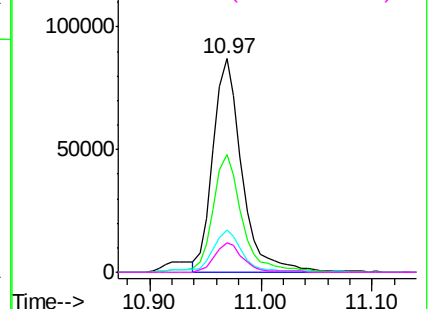


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 43.759 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017729.D

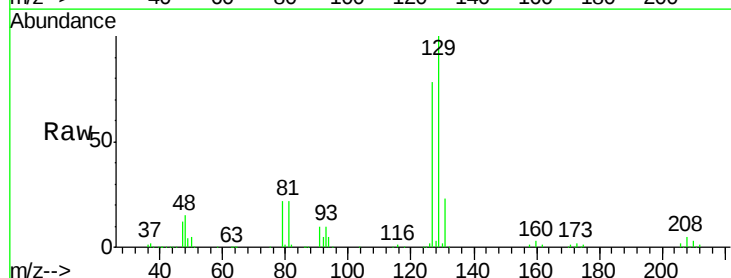
Acq: 24 Dec 2020 11:29

Tgt Ion: 129 Resp: 215420

Ion Ratio Lower Upper

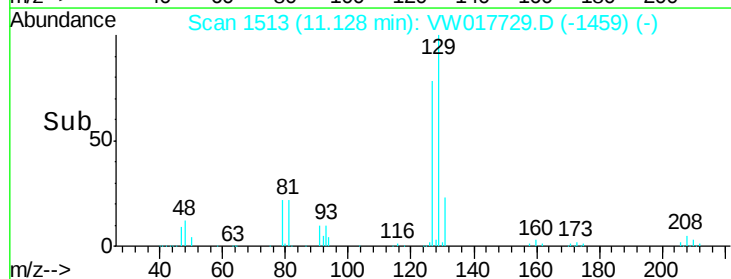
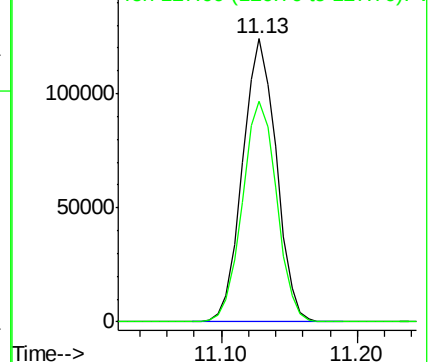
129 100

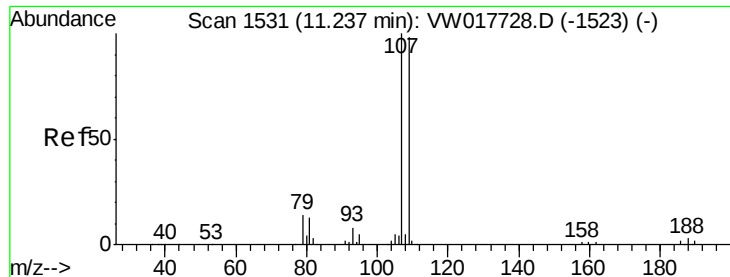
127 77.8 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

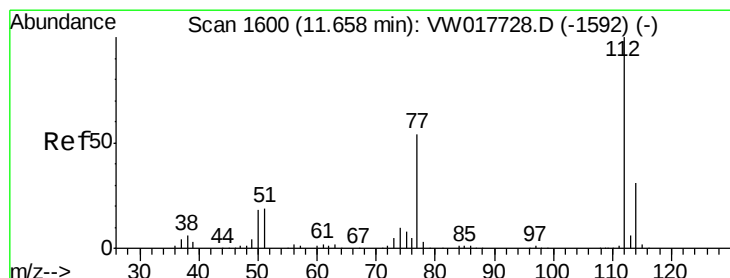
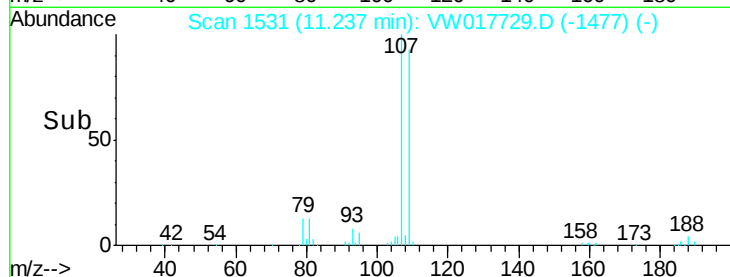
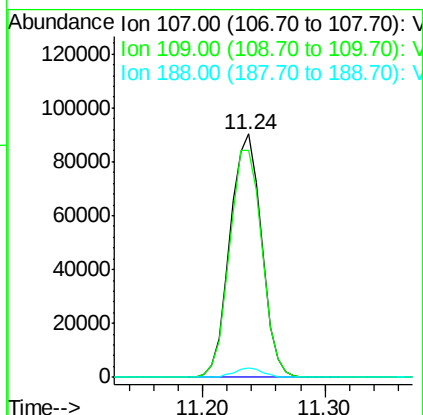
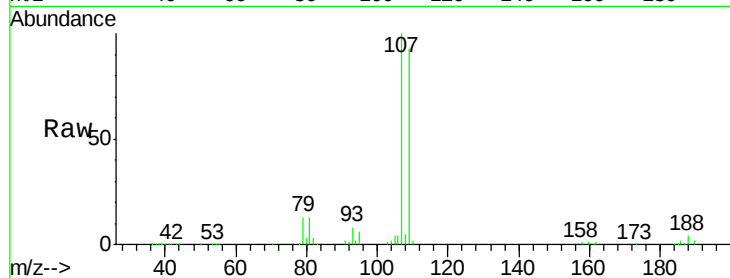




#51
1,2-Dibromoethane
Concen: 42.295 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

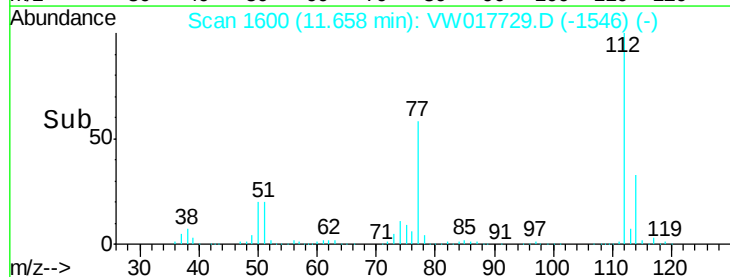
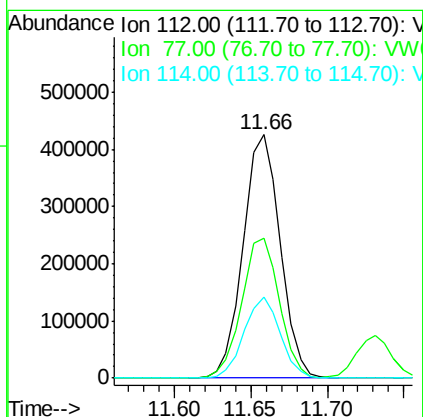
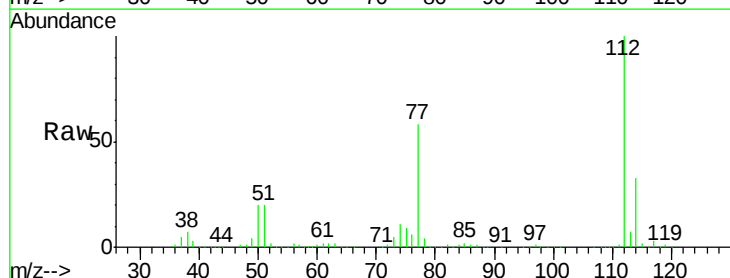
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

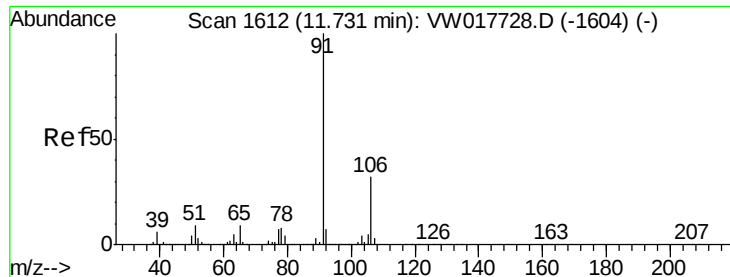
Tgt Ion:107 Resp: 160848
Ion Ratio Lower Upper
107 100
109 93.0 68.5 127.1
188 3.9 2.7 4.1



#52
Chlorobenzene
Concen: 45.462 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

Tgt Ion:112 Resp: 718467
Ion Ratio Lower Upper
112 100
77 57.6 43.4 65.2
114 33.3 21.6 40.2

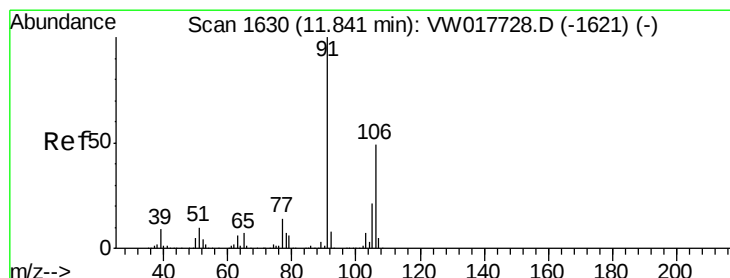
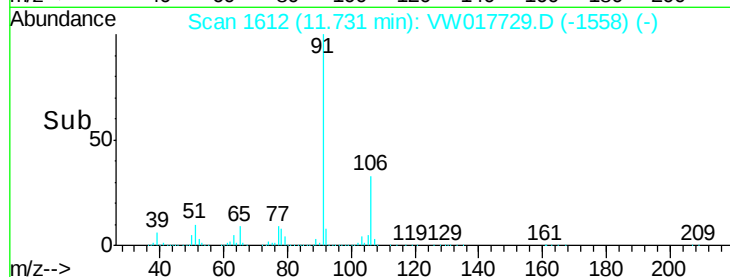
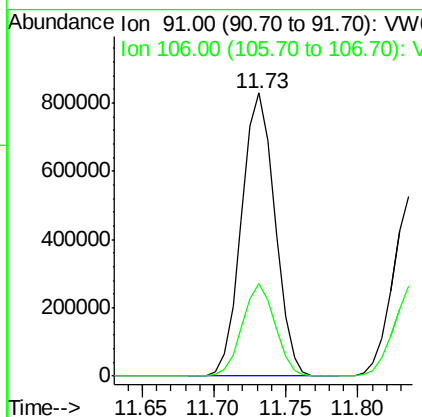
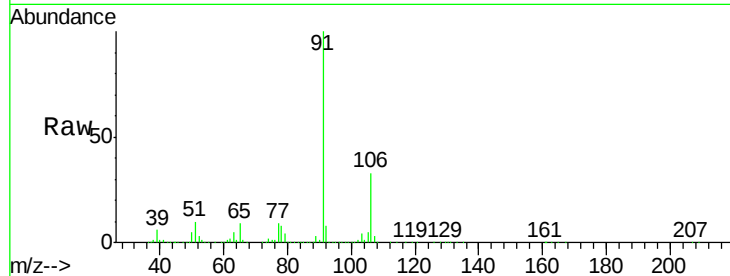




#53
Ethylbenzene
Concen: 48.349 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

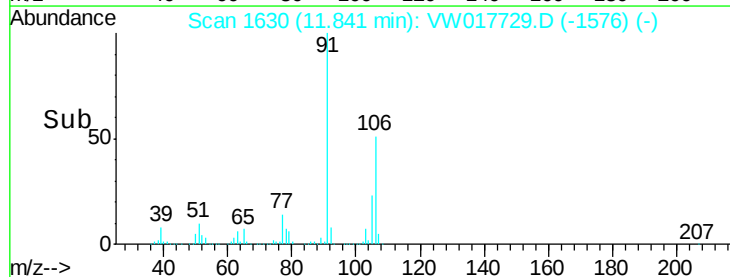
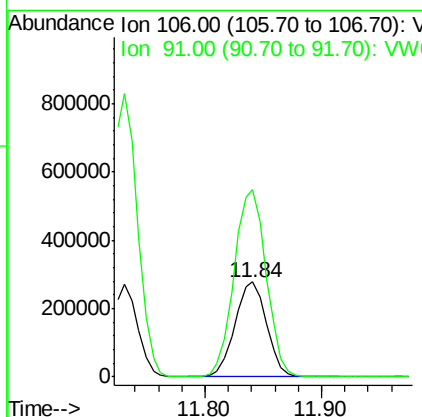
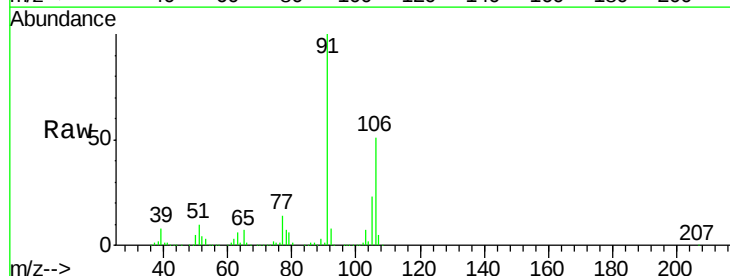
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

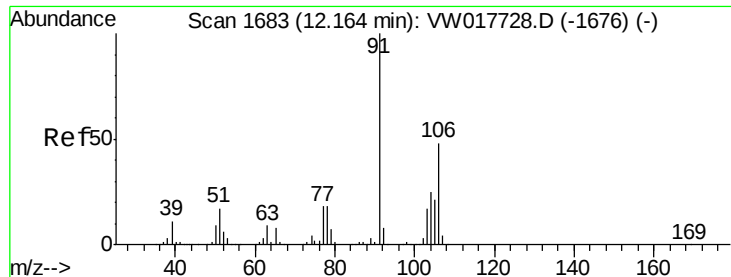
Tgt Ion: 91 Resp: 1335369
Ion Ratio Lower Upper
91 100
106 32.9 22.0 41.0



#54
m,p-Xylene
Concen: 49.832 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

Tgt Ion: 106 Resp: 526620
Ion Ratio Lower Upper
106 100
91 197.0 141.6 263.0

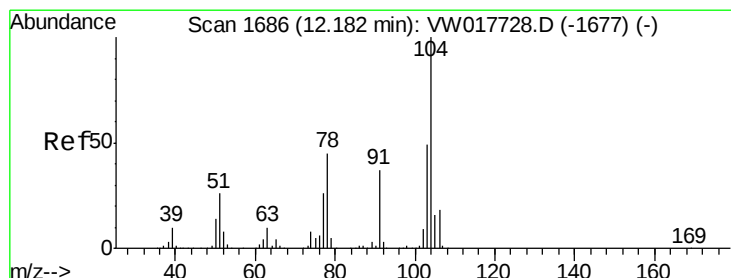
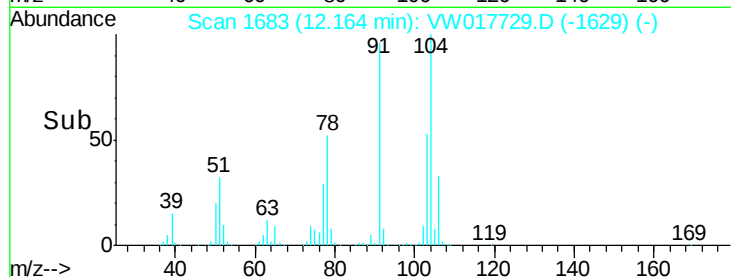
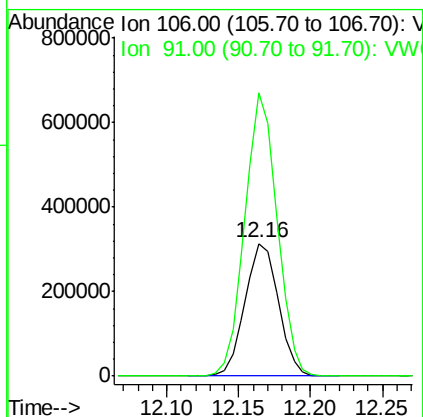
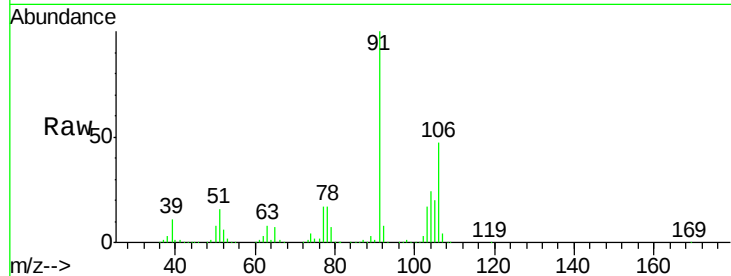




#55
o-xylene
Concen: 51.425 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

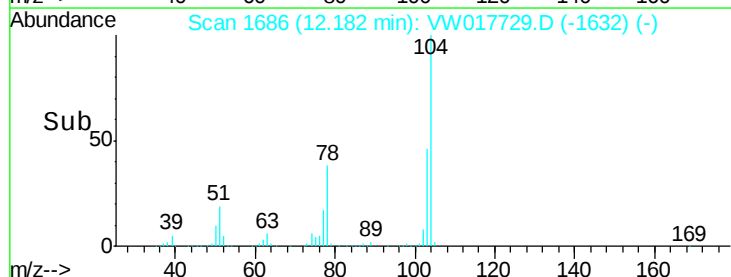
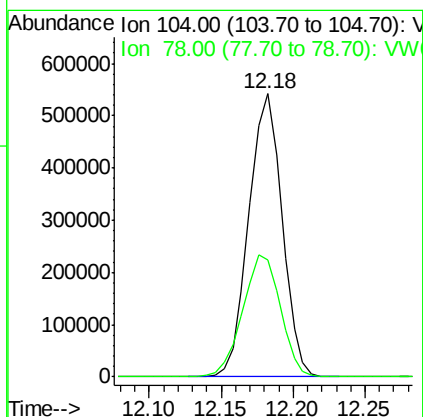
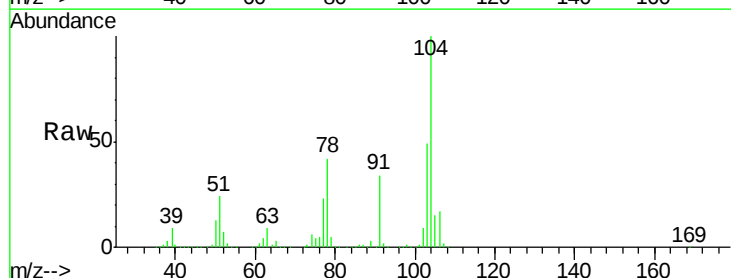
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

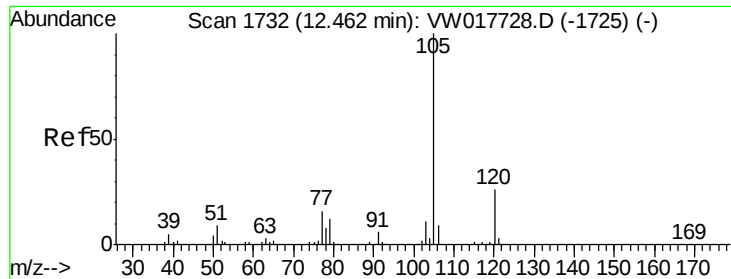
Tgt Ion:106 Resp: 505506
Ion Ratio Lower Upper
106 100
91 213.2 145.7 270.7



#56
Styrene
Concen: 52.598 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017729.D
Acq: 24 Dec 2020 11:29

Tgt Ion:104 Resp: 869418
Ion Ratio Lower Upper
104 100
78 41.5 31.6 58.8





#57

Isopropylbenzene

Concen: 52.868 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

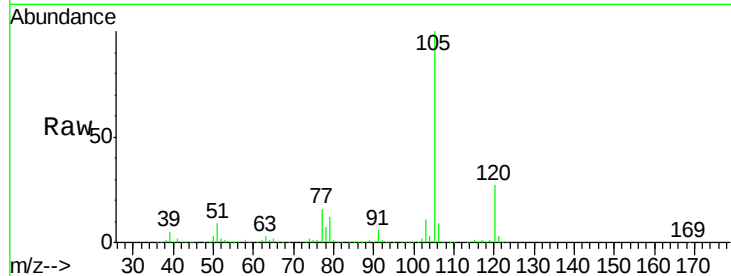
Tgt Ion:105 Resp: 1427488

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

77 15.5 12.7 19.1

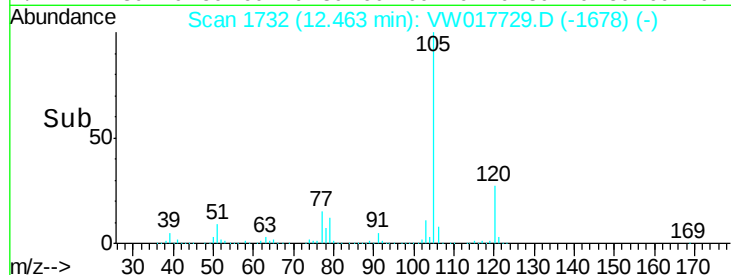


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

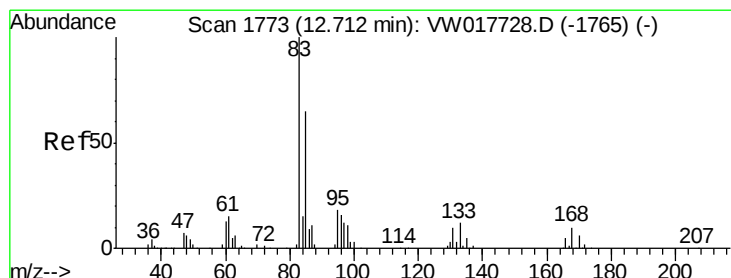
Ion 77.00 (76.70 to 77.70): V

Time-->



12.46

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 42.864 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

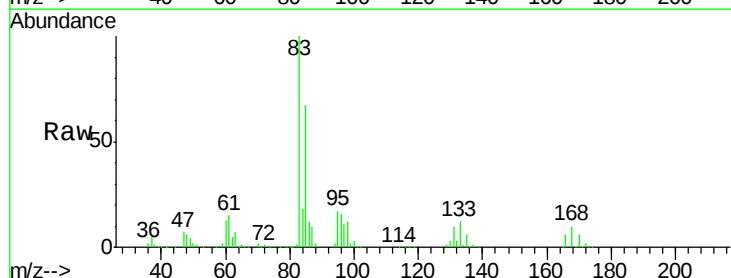
Tgt Ion: 83 Resp: 185775

Ion Ratio Lower Upper

83 100

85 67.4 45.6 84.8

131 10.4 7.8 11.8

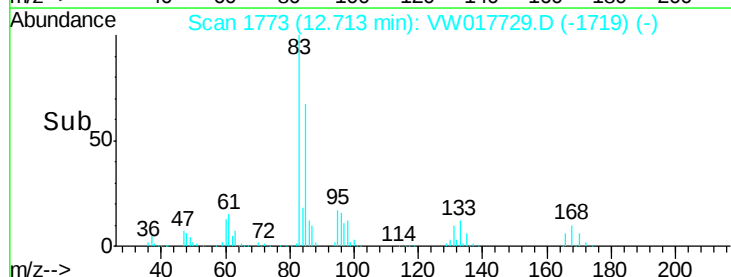


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

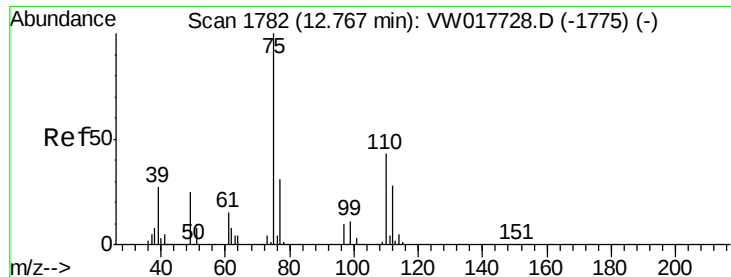
Ion 131.00 (130.70 to 131.70): V

Time-->



12.71

Time-->



#59

1,2,3-Trichloropropane

Concen: 42.124 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

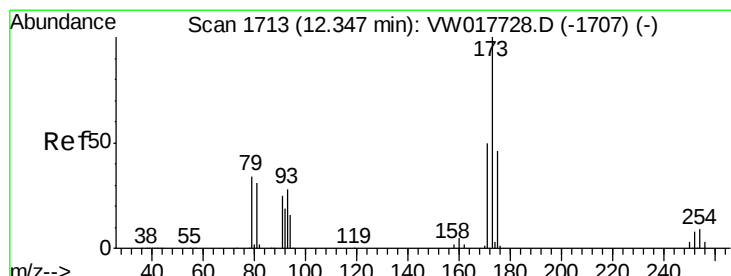
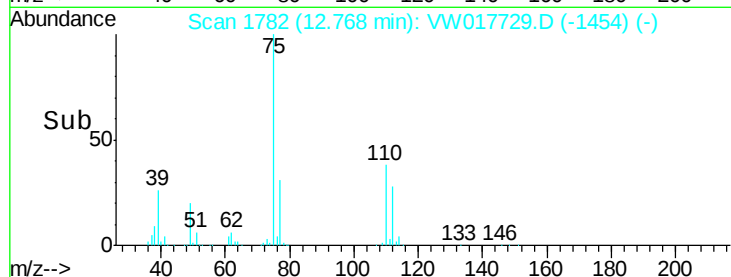
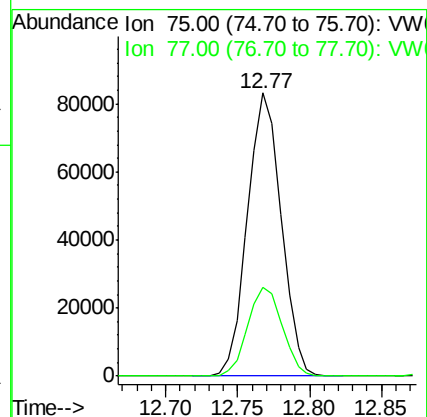
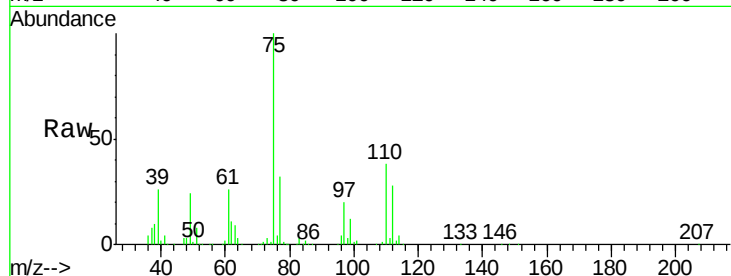
VSTD05004

Tgt Ion: 75 Resp: 135054

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#62

Bromoform

Concen: 42.000 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

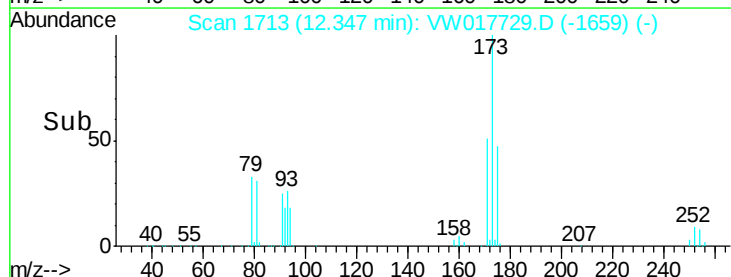
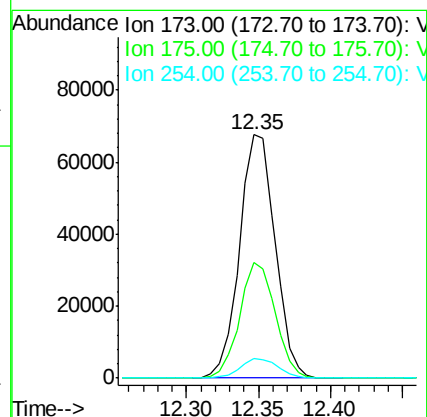
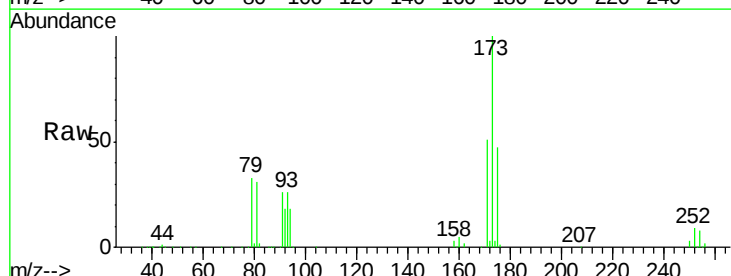
Tgt Ion: 173 Resp: 116304

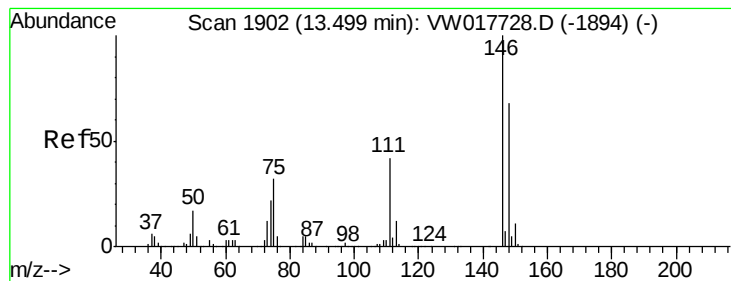
Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 8.4 6.7 10.1





#63

1,3-Dichlorobenzene

Concen: 46.369 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

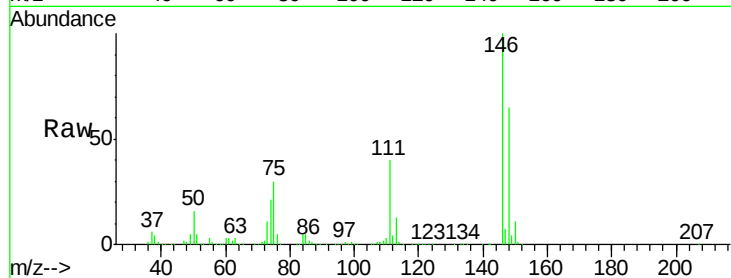
Tgt Ion:146 Resp: 584467

Ion Ratio Lower Upper

146 100

111 39.8 29.5 54.7

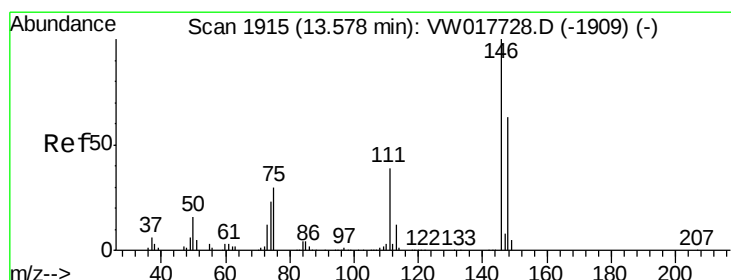
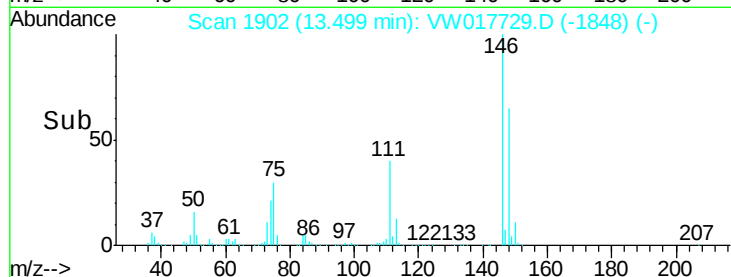
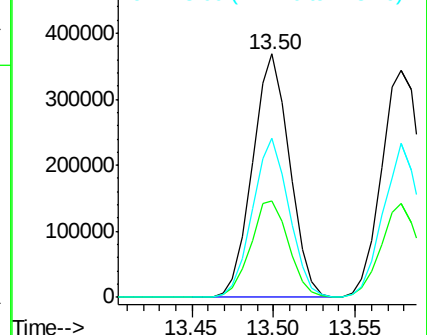
148 65.2 47.7 88.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 46.215 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

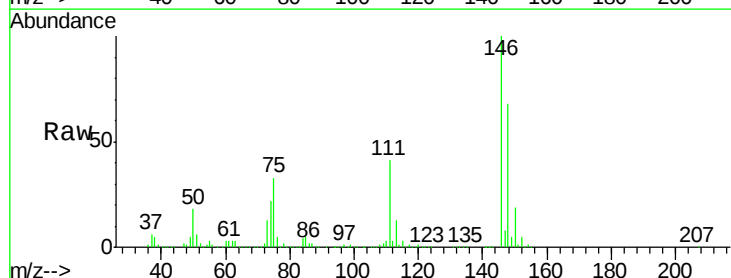
Tgt Ion:146 Resp: 580999

Ion Ratio Lower Upper

146 100

111 41.3 27.7 51.5

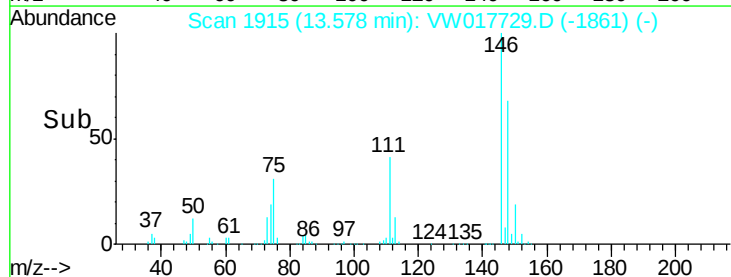
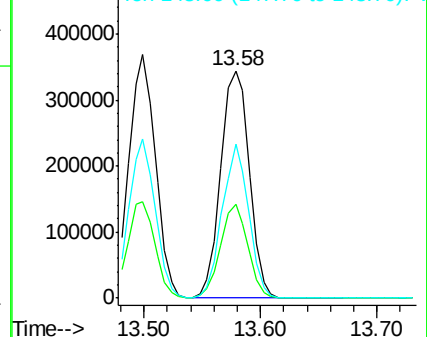
148 67.6 44.2 82.2

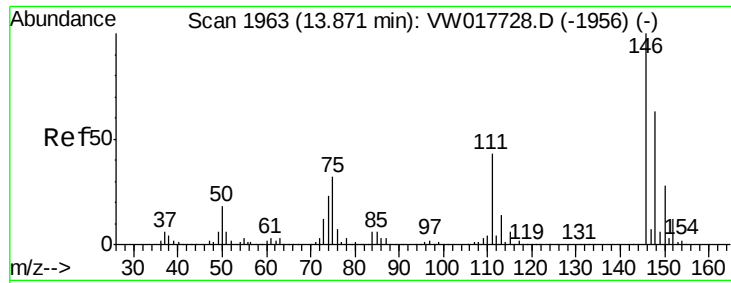


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

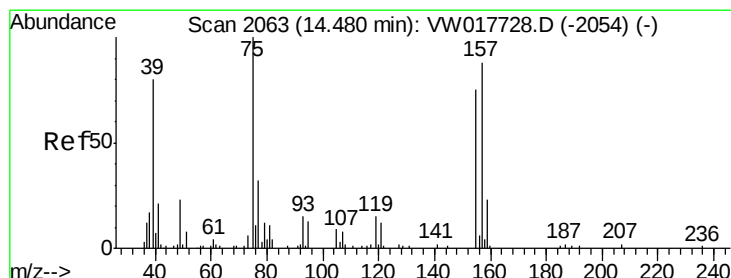
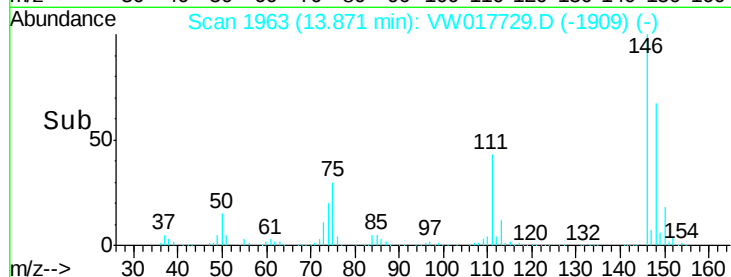
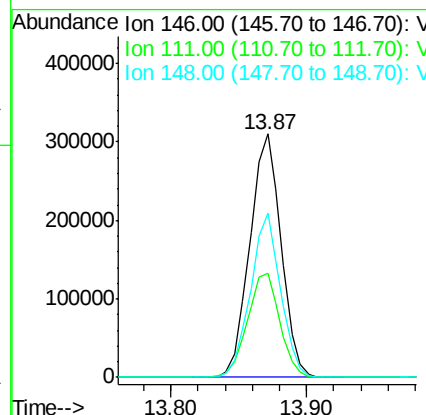
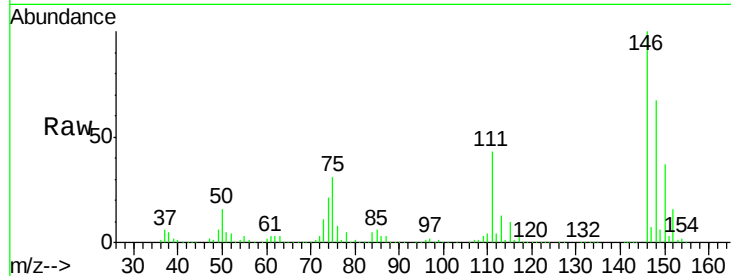




#65
 1,2-Dichlorobenzene
 Concen: 45.571 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017729.D
 Acq: 24 Dec 2020 11:29

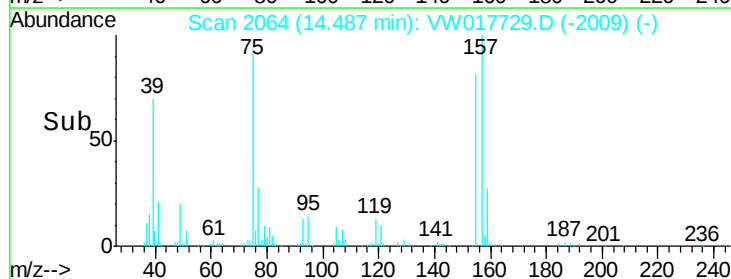
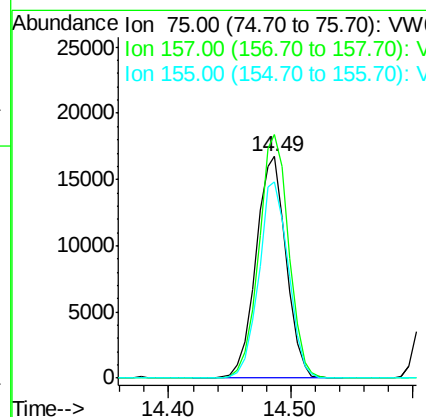
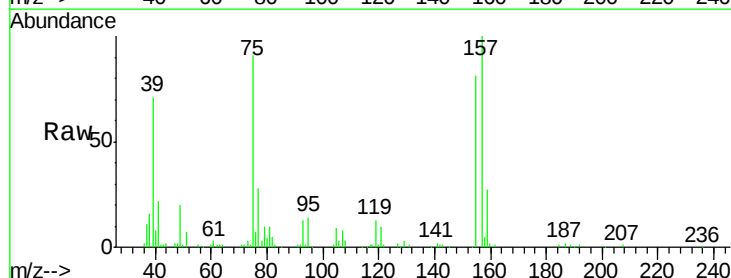
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

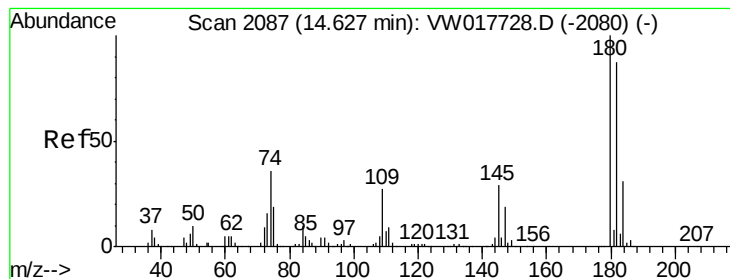
Tgt Ion: 146 Resp: 500098
 Ion Ratio Lower Upper
 146 100
 111 42.8 34.4 51.6
 148 67.2 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 39.458 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW017729.D
 Acq: 24 Dec 2020 11:29

Tgt Ion: 75 Resp: 28815
 Ion Ratio Lower Upper
 75 100
 157 110.1 70.2 105.4#
 155 88.7 59.8 89.6





#67

1,3,5-Trichlorobenzene

Concen: 43.488 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion:180 Resp: 391162

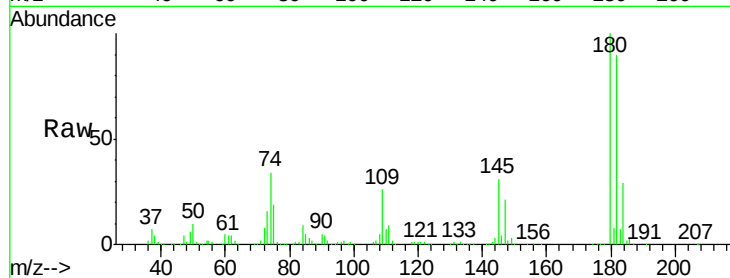
Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.2

184 30.2 23.6 35.4

145 31.8 25.2 37.8

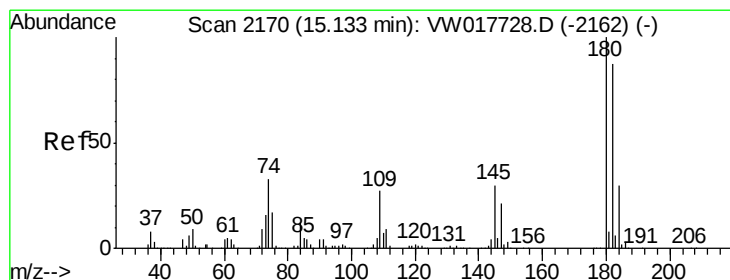
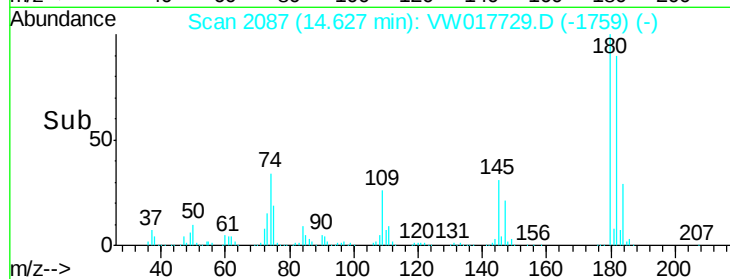
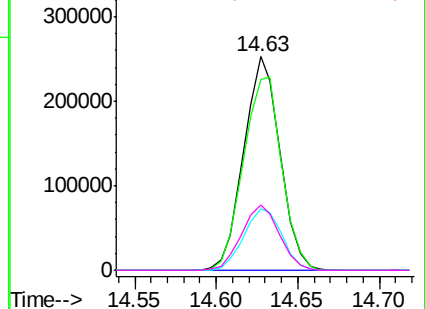


Abundance Ion 180.00 (179.70 to 180.70): V

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: 42.607 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

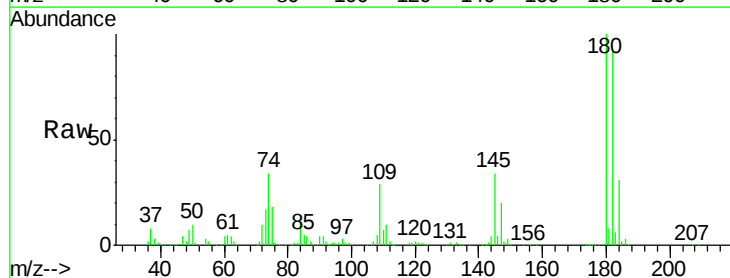
Tgt Ion:180 Resp: 311020

Ion Ratio Lower Upper

180 100

182 94.0 73.0 109.6

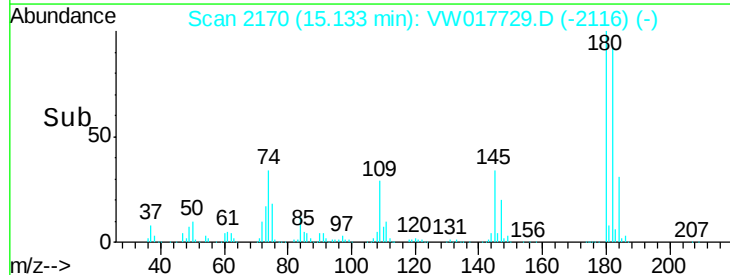
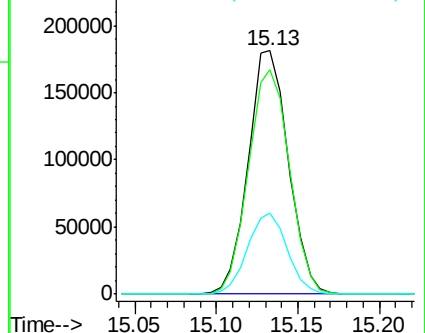
145 32.9 25.8 38.6

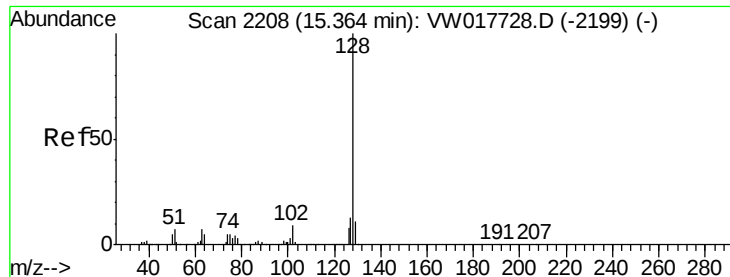


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 47.668 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

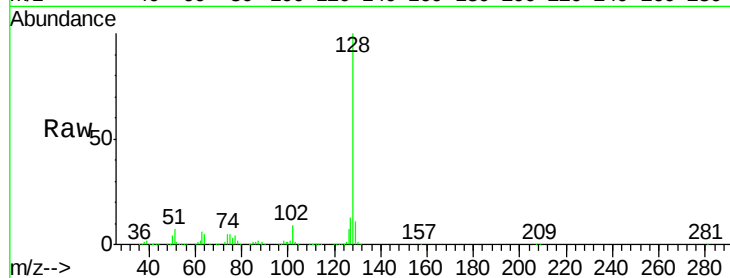
Tgt Ion:128 Resp: 563825

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

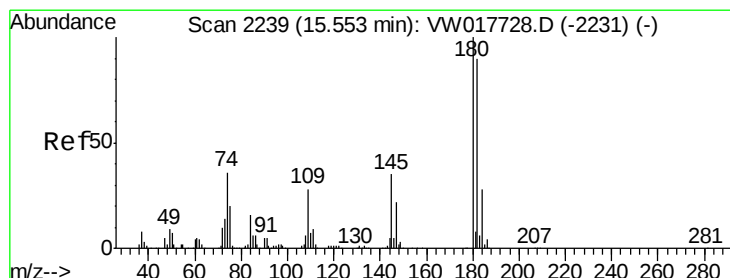
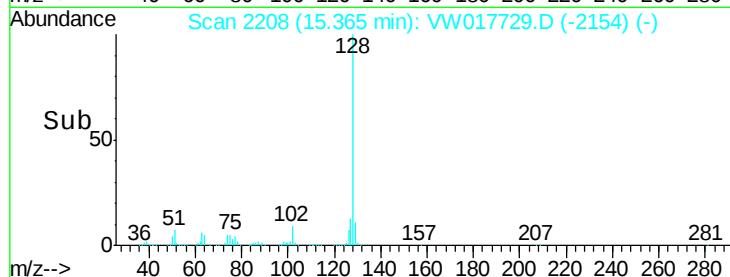
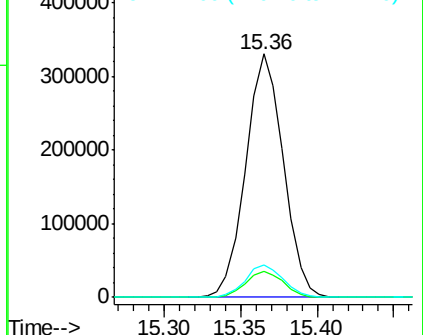
127 13.5 10.6 15.8



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: 41.998 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017729.D

Acq: 24 Dec 2020 11:29

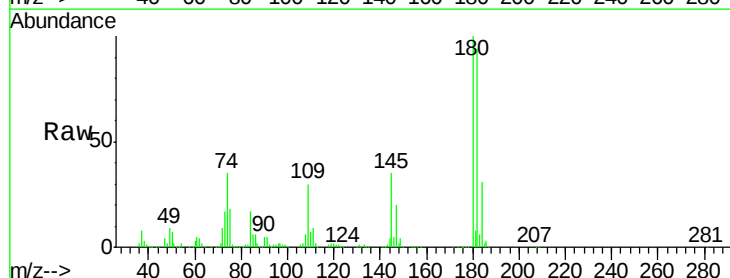
Tgt Ion:180 Resp: 254025

Ion Ratio Lower Upper

180 100

182 97.8 74.8 112.2

145 34.5 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

