

Data File : VW016099.D
Acq On : 10 Aug 2020 12:26
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Aug 10 13:24:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 10 13:22:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	411825	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	386864	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176987	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	27974	4.81	ug/L	0.00
7) Chloroethane-d5	2.89	69	19896	4.22	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	55856	4.75	ug/L	0.00
20) 2-Butanone-d5	7.09	46	12442	8.15	ug/L	0.00
24) Chloroform-d	7.65	84	56118	4.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	30155	4.75	ug/L	0.00
29) Benzene-d6	8.27	84	106353	4.52	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30420	4.31	ug/L	0.00
37) Toluene-d8	10.32	98	94057	4.41	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13347	4.44	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	9479	8.06	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	25513	4.70	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	30216	4.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	20121	5.774 ug/L	95
3) Chloromethane	2.21	50	19799	4.698 ug/L	93
5) Vinyl chloride	2.37	62	28116	4.325 ug/L	98
6) Bromomethane	2.78	94	17560	4.528 ug/L	100
8) Chloroethane	2.92	64	15412	4.047 ug/L	88
9) Trichlorofluoromethane	3.26	101	18998	4.348 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	14995	2.807 ug/L #	55
12) 1,1-Dichloroethene	4.03	96	26039	4.919 ug/L	90
13) Acetone	4.12	43	10960	8.550 ug/L	97
14) Carbon disulfide	4.38	76	80577	4.819 ug/L	98
15) Methyl Acetate	4.68	43	11707	4.843 ug/L #	78
16) Methylene chloride	4.92	84	37803	5.602 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	36718	4.905 ug/L #	90
18) trans-1,2-Dichloroethene	5.43	96	27117	4.851 ug/L	87
19) 1,1-Dichloroethane	6.22	63	50351	4.888 ug/L	99
21) 2-Butanone	7.18	43	16446	10.375 ug/L #	71
22) cis-1,2-Dichloroethene	7.17	96	28533	4.878 ug/L	90
23) Bromochloromethane	7.52	128	13444	5.242 ug/L	92
25) Chloroform	7.68	83	52939	5.185 ug/L	98
27) 1,2-Dichloroethane	8.40	62	36282	5.222 ug/L	100
30) Cyclohexane	7.95	56	38798	3.977 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	45469	5.034 ug/L	99
32) Carbon tetrachloride	8.07	117	41560	5.074 ug/L	98
34) Benzene	8.32	78	112346	4.781 ug/L	100
35) Trichloroethene	9.09	95	29997	4.826 ug/L	99
36) Methylcyclohexane	9.34	83	46417	4.352 ug/L	97
40) 1,2-Dichloropropane	9.37	63	27598	4.741 ug/L	99
41) Bromodichloromethane	9.65	83	37721	5.018 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	39629	4.470 ug/L	92
43) 4-Methyl-2-pentanone	10.21	43	32468	9.556 ug/L	97

Data File : VW016099.D
Acq On : 10 Aug 2020 12:26
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Aug 10 13:24:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 10 13:22:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	116004	4.707	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	35236	4.586	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	22628	5.406	ug/L	95
47) Tetrachloroethene	10.87	164	22951	4.757	ug/L	97
49) 2-Hexanone	10.97	43	21520	8.926	ug/L	99
50) Dibromochloromethane	11.13	129	24802	5.118	ug/L	99
51) 1,2-Dibromoethane	11.24	107	20440	5.105	ug/L #	99
52) Chlorobenzene	11.66	112	79515	5.035	ug/L	99
53) Ethylbenzene	11.73	91	130871	4.723	ug/L	97
54) m,p-Xylene	11.84	106	48769	4.704	ug/L	100
55) o-xylene	12.17	106	44254	4.533	ug/L	87
56) Styrene	12.18	104	79235	4.773	ug/L	97
57) Isopropylbenzene	12.47	105	121961	4.589	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	26273	5.345	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	19897	5.403	ug/L	99
62) Bromoform	12.35	173	12863	4.940	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	55457	4.896	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	58717	5.108	ug/L	89
65) 1,2-Dichlorobenzene	13.87	146	51003	4.957	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	4392	5.671	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	34624	4.347	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	26612	4.207	ug/L	97
69) Naphthalene	15.37	128	50381	4.227	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	24177	4.289	ug/L	100

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

Data File : VW016099.D

Acq On : 10 Aug 2020 12:26

Operator : SY/VA

Sample : VSTD005

Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

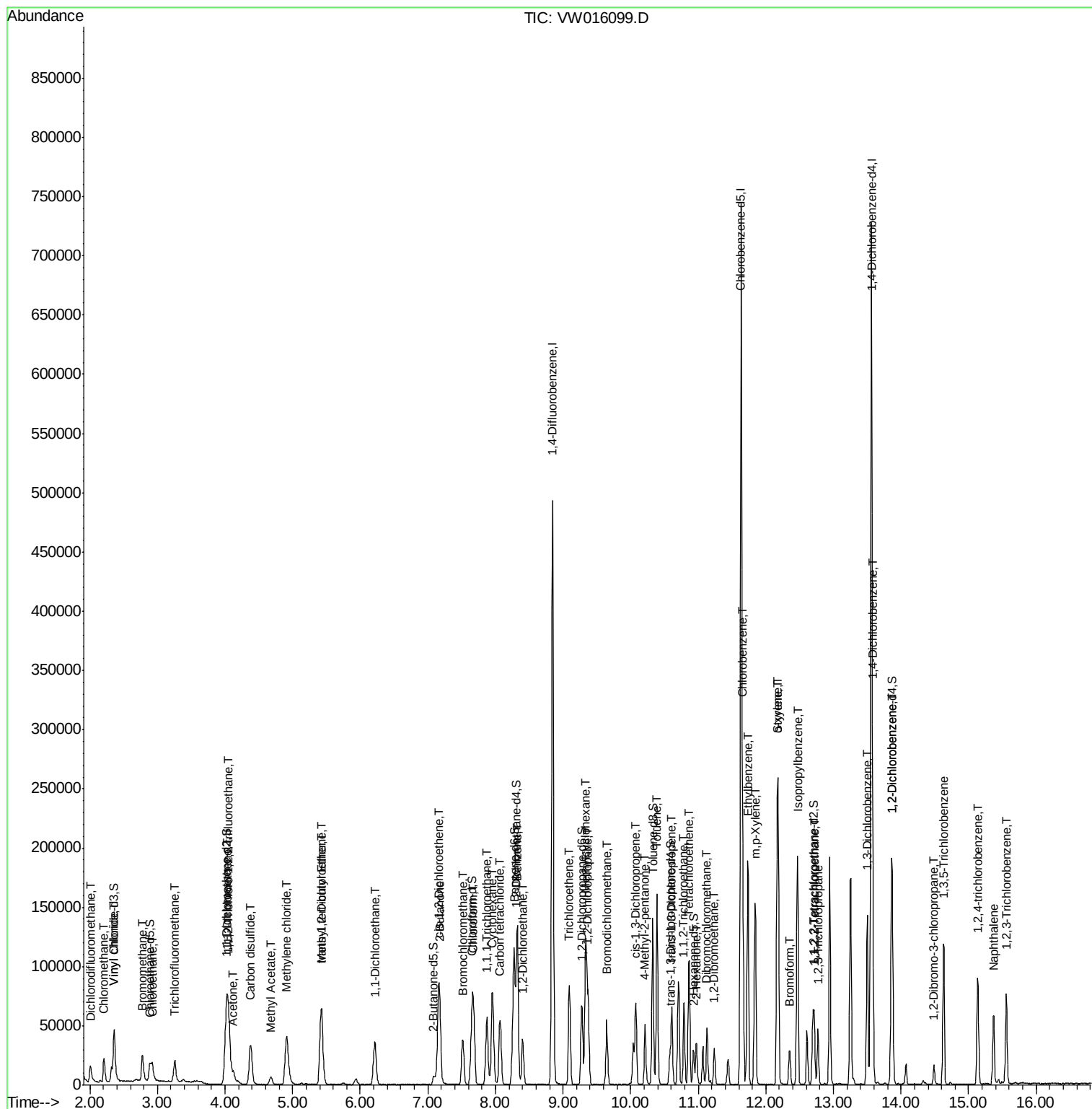
Quant Time: Aug 10 13:24:05 2020

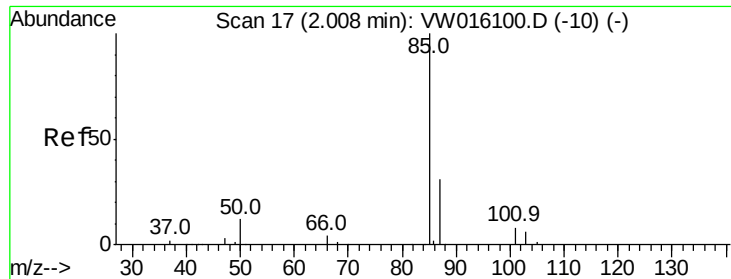
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M

Quant Title : VOC Analysis

QLast Update : Mon Aug 10 13:22:00 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.774 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

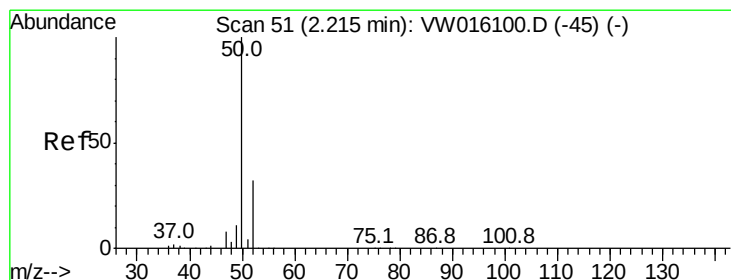
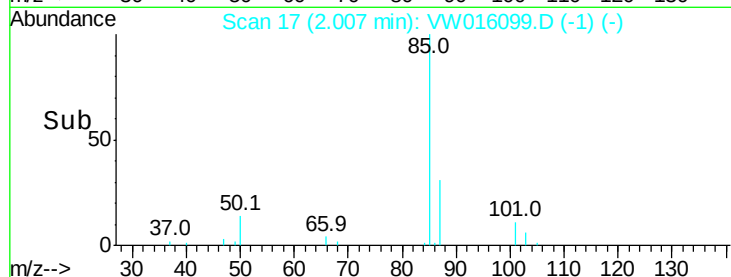
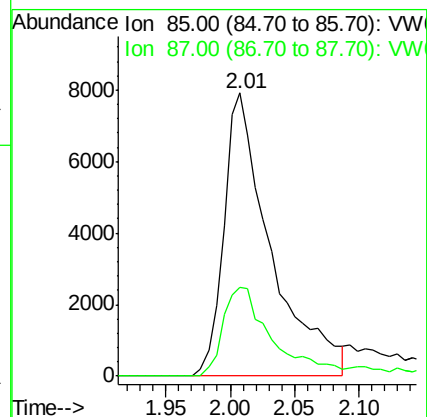
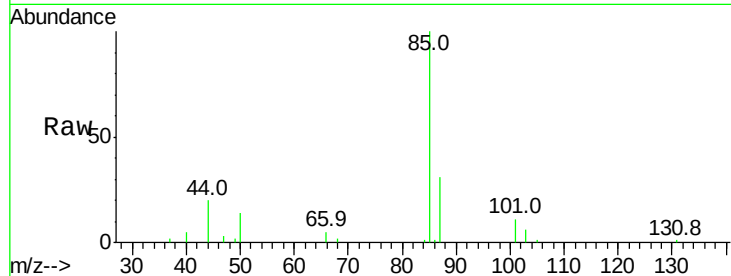
VSTD00502

Tgt Ion: 85 Resp: 20121

Ion Ratio Lower Upper

85 100

87 28.7 22.0 41.0



#3

Chloromethane

Concen: 4.698 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW016099.D

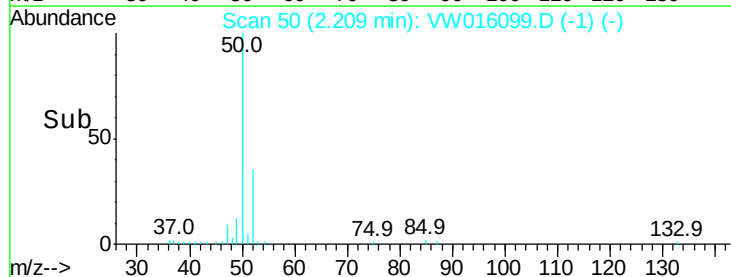
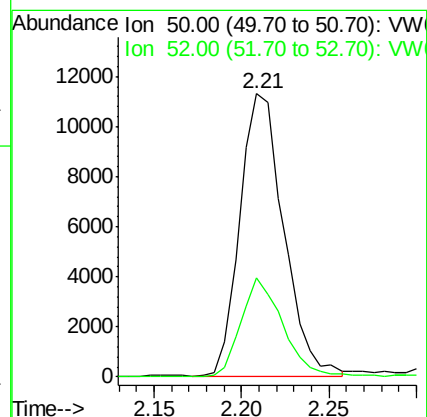
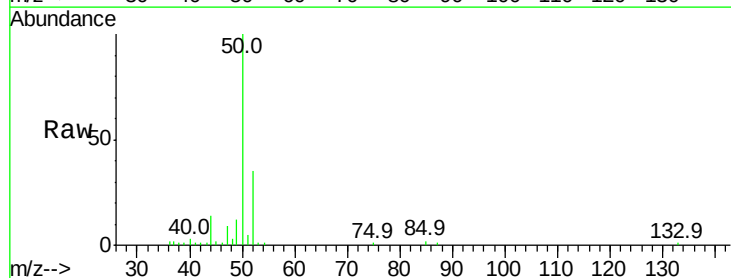
Acq: 10 Aug 2020 12:26

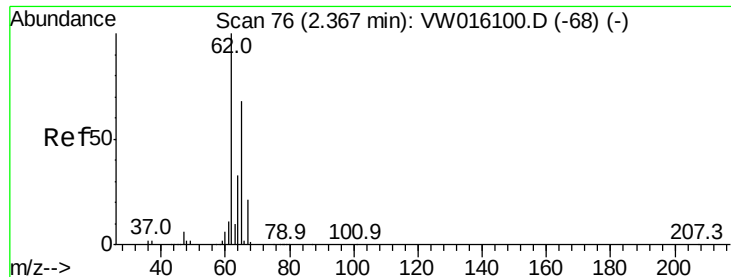
Tgt Ion: 50 Resp: 19799

Ion Ratio Lower Upper

50 100

52 35.2 22.0 40.8





#5

Vinyl chloride

Concen: 4.325 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

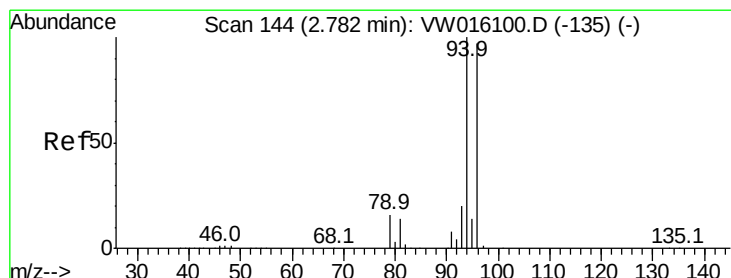
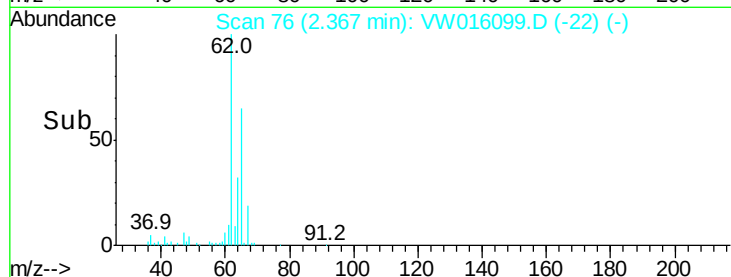
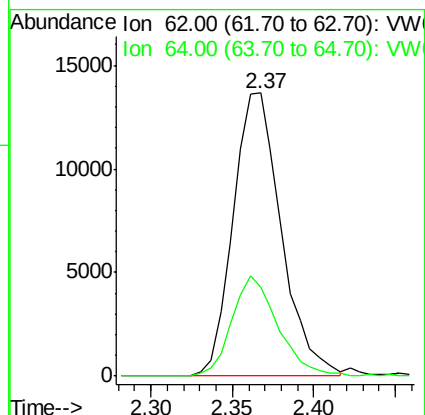
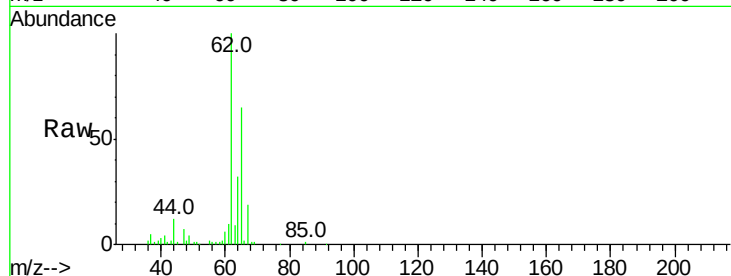
VSTD00502

Tgt Ion: 62 Resp: 28116

Ion Ratio Lower Upper

62 100

64 31.6 23.0 42.8



#6

Bromomethane

Concen: 4.528 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016099.D

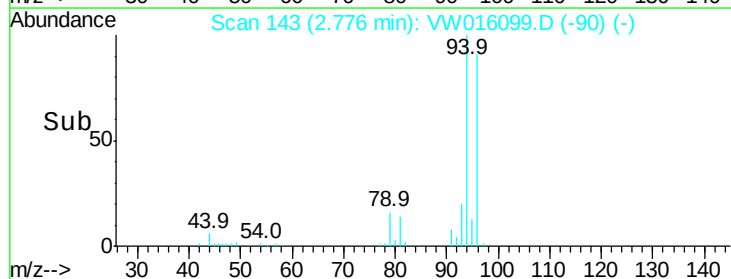
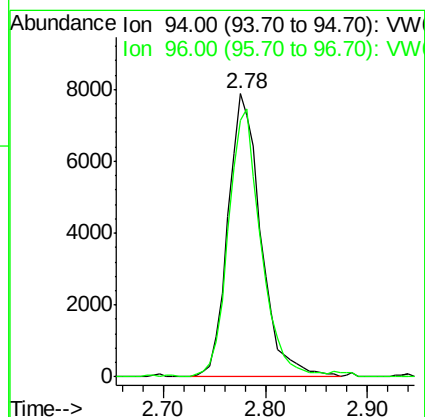
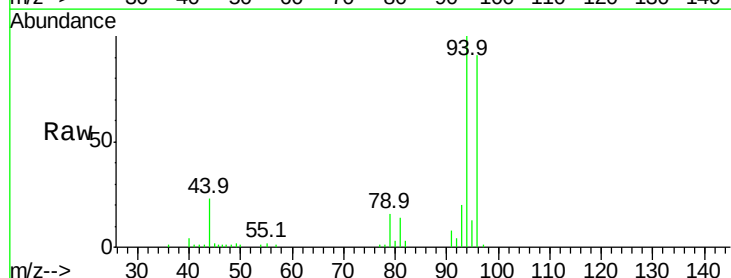
Acq: 10 Aug 2020 12:26

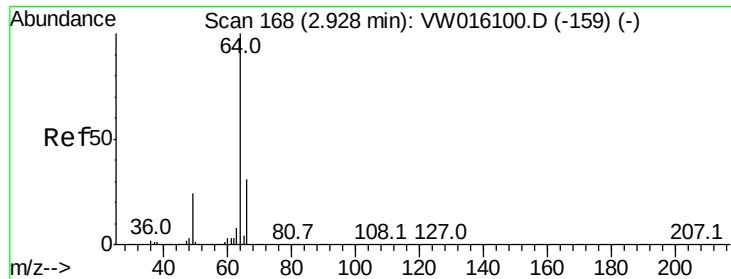
Tgt Ion: 94 Resp: 17560

Ion Ratio Lower Upper

94 100

96 93.5 9.4 178.2





#8

Chloroethane

Concen: 4.047 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

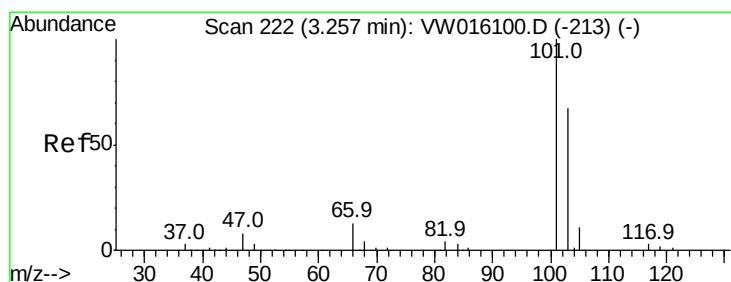
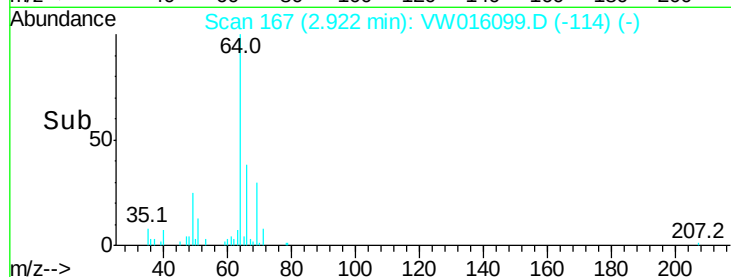
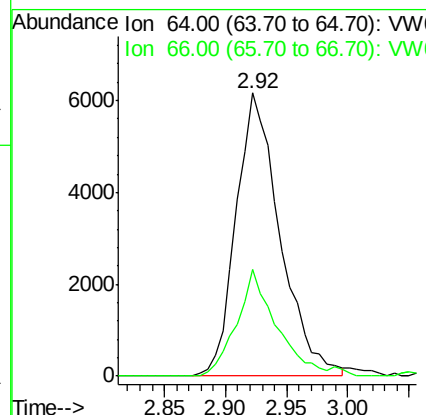
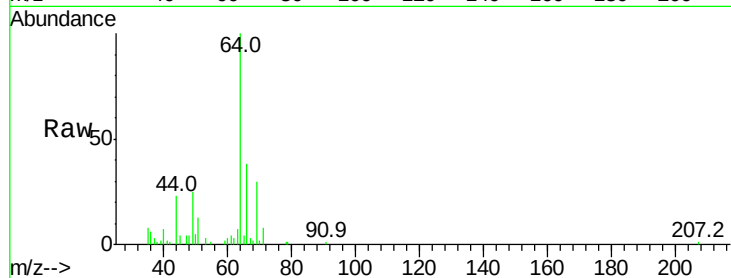
VSTD00502

Tgt Ion: 64 Resp: 15412

Ion Ratio Lower Upper

64 100

66 37.8 21.8 40.4



#9

Trichlorofluoromethane

Concen: 4.348 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016099.D

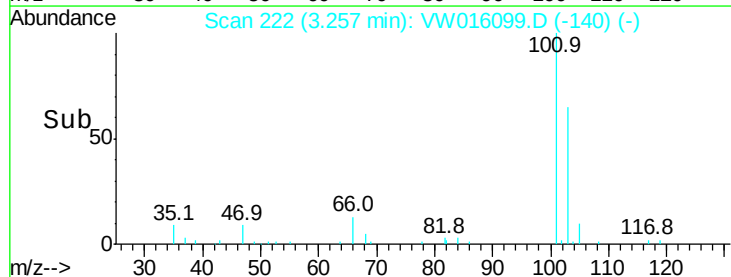
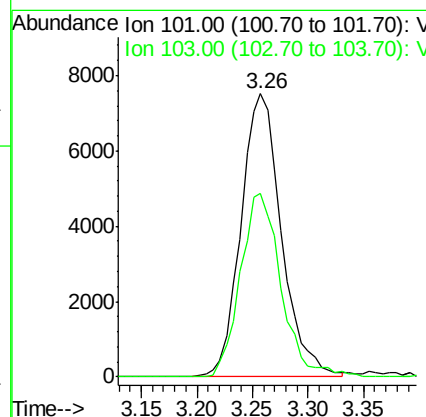
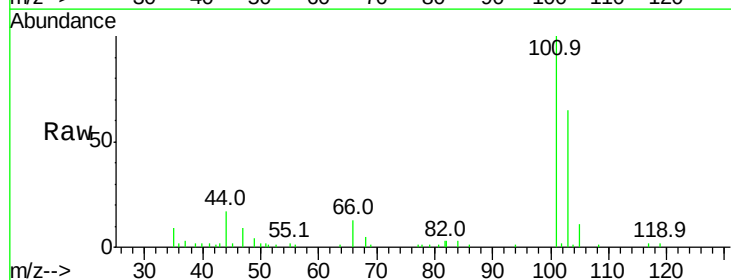
Acq: 10 Aug 2020 12:26

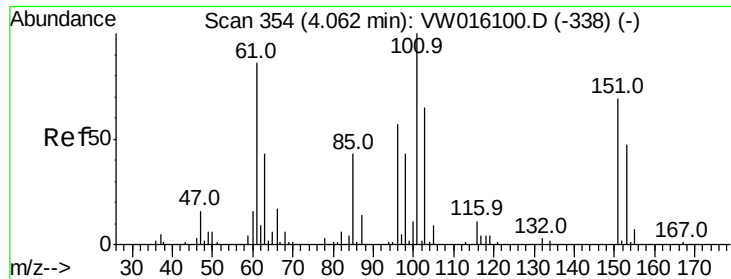
Tgt Ion: 101 Resp: 18998

Ion Ratio Lower Upper

101 100

103 63.3 45.6 84.6





#11

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

Concen: 2.807 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

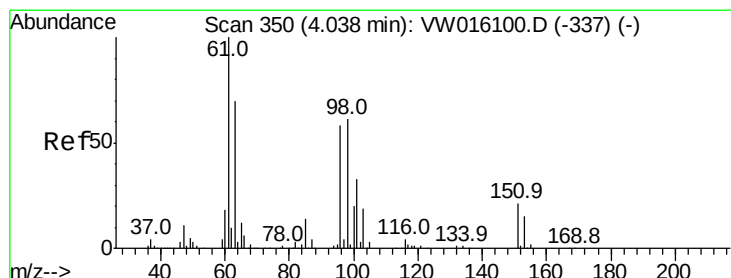
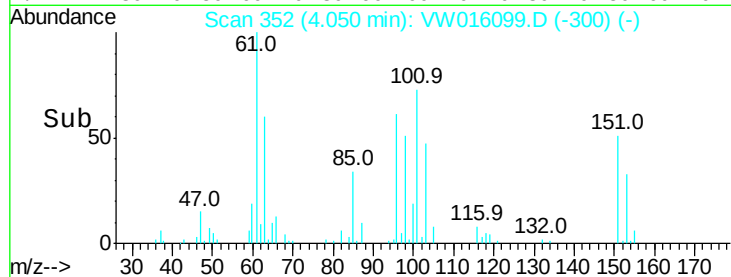
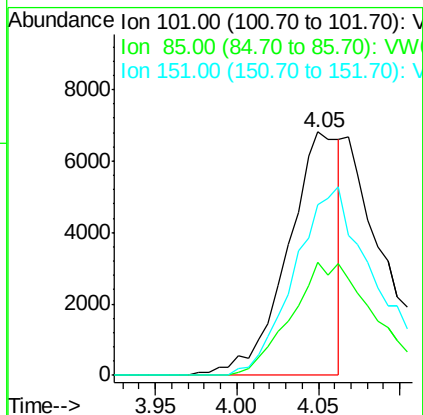
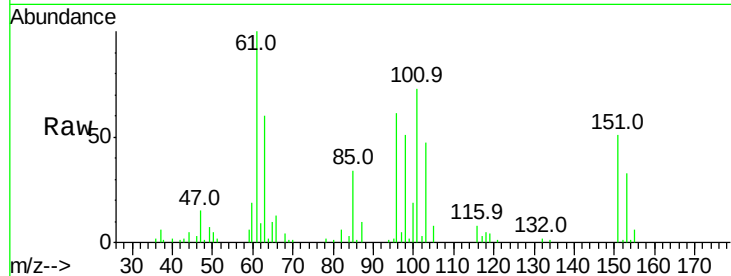
Tgt Ion:101 Resp: 14995

Ion Ratio Lower Upper

101 100

85 36.1 34.2 51.4

151 126.0 57.4 86.2#



#12

1,1-Dichloroethene

Concen: 4.919 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

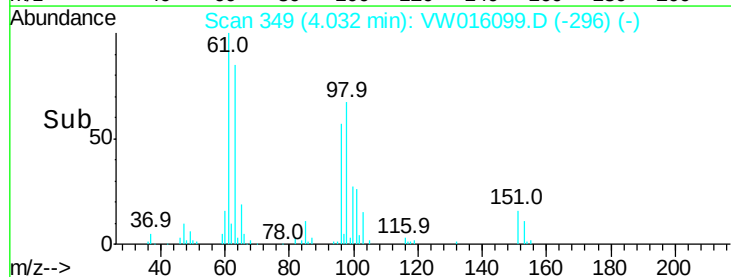
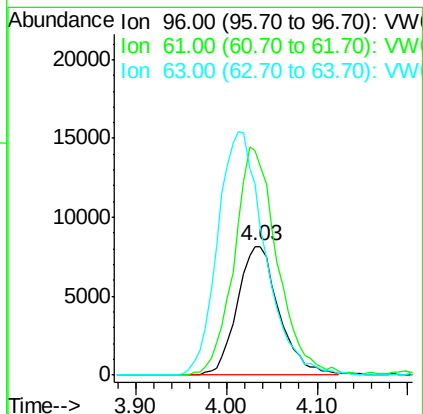
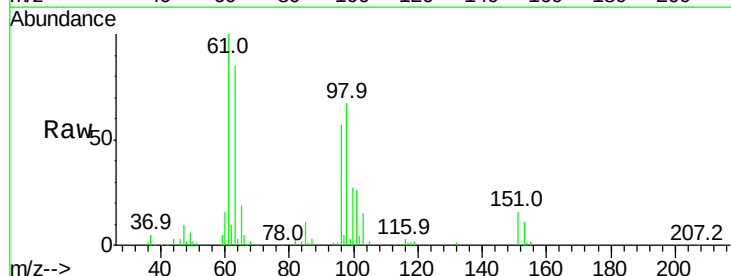
Tgt Ion: 96 Resp: 26039

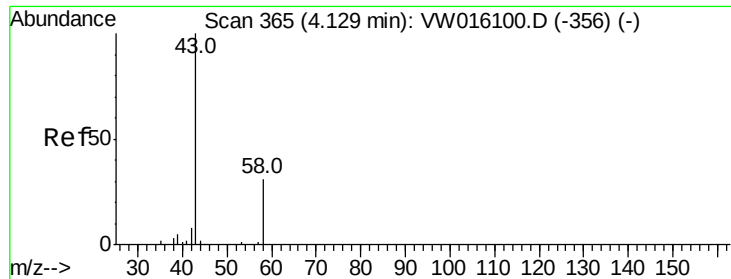
Ion Ratio Lower Upper

96 100

61 174.3 120.2 223.2

63 148.2 86.4 160.4





#13

Acetone

Concen: 8.550 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

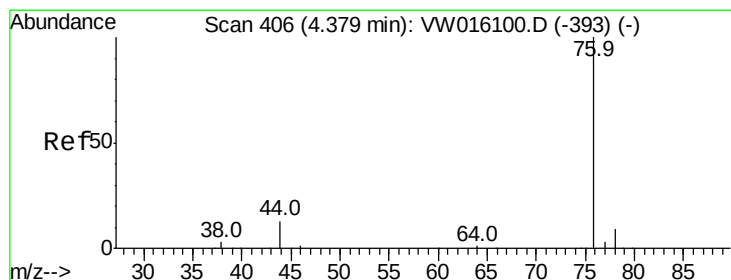
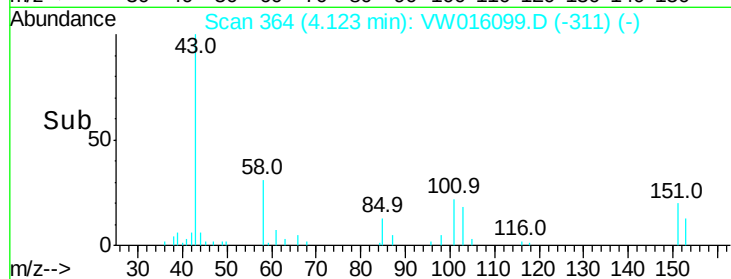
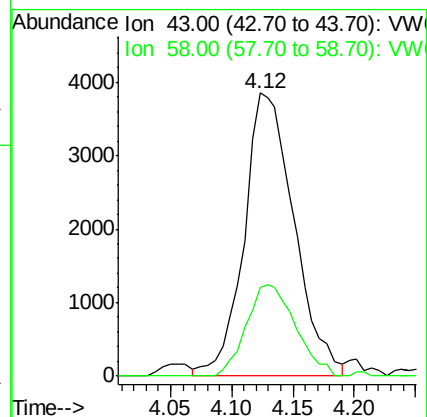
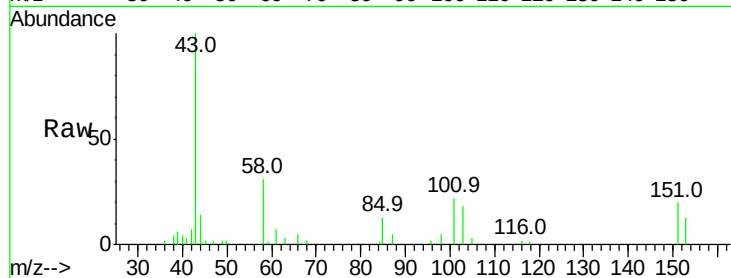
VSTD00502

Tgt Ion: 43 Resp: 10960

Ion Ratio Lower Upper

43 100

58 31.6 0.0 59.4



#14

Carbon disulfide

Concen: 4.819 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016099.D

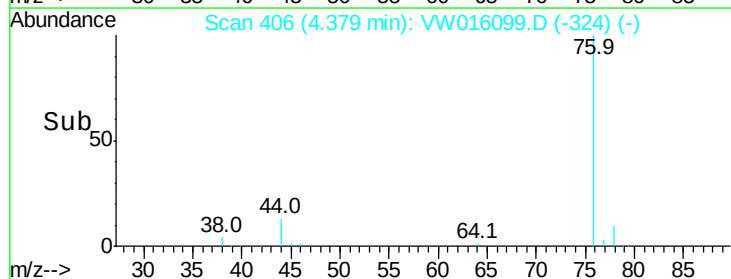
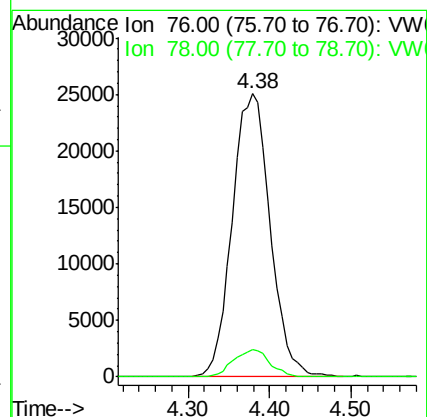
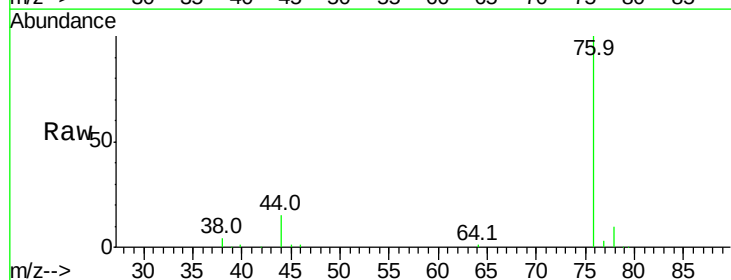
Acq: 10 Aug 2020 12:26

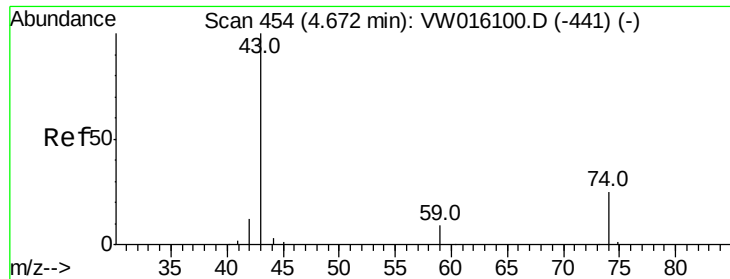
Tgt Ion: 76 Resp: 80577

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4





#15

Methyl Acetate

Concen: 4.843 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

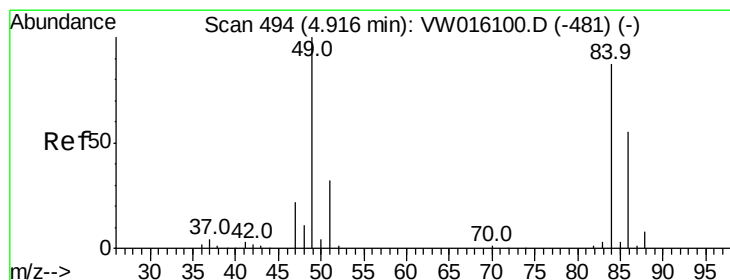
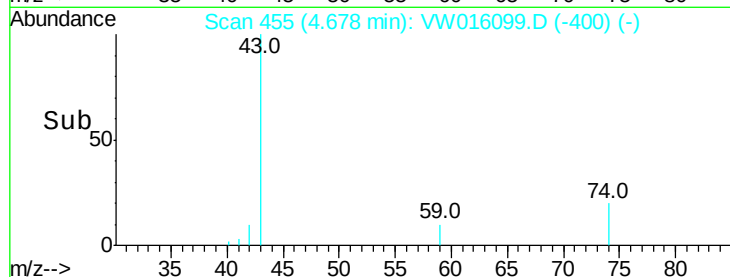
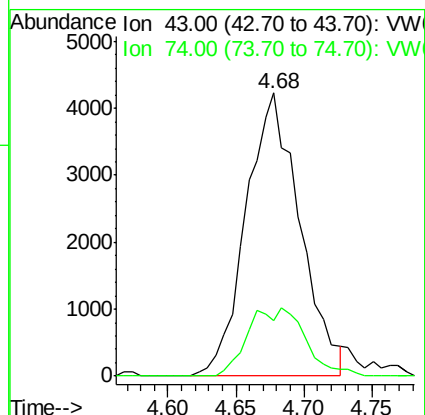
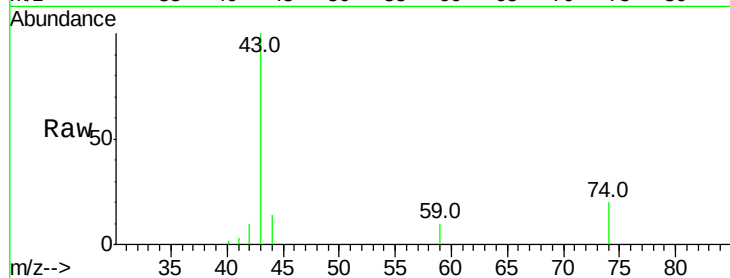
VSTD00502

Tgt Ion: 43 Resp: 11707

Ion Ratio Lower Upper

43 100

74 12.8 18.9 28.3#



#16

Methylene chloride

Concen: 5.602 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

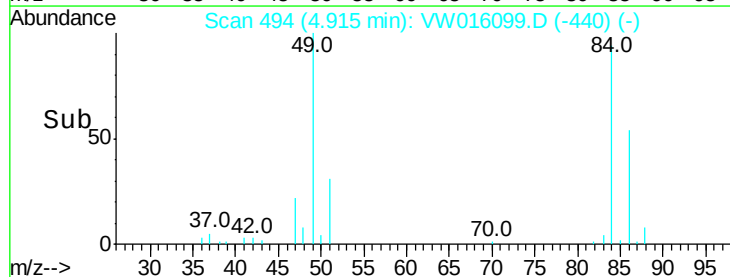
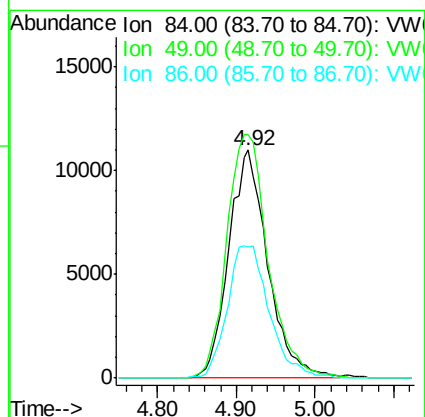
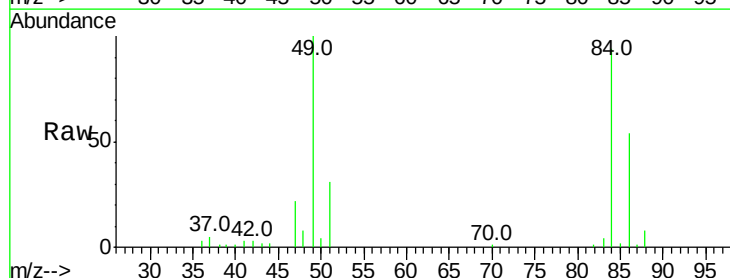
Tgt Ion: 84 Resp: 37803

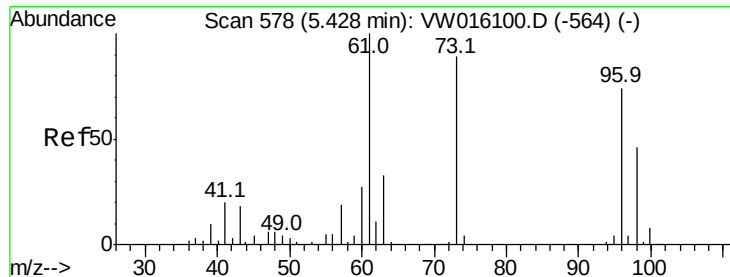
Ion Ratio Lower Upper

84 100

49 106.7 80.4 149.4

86 57.4 43.8 81.3

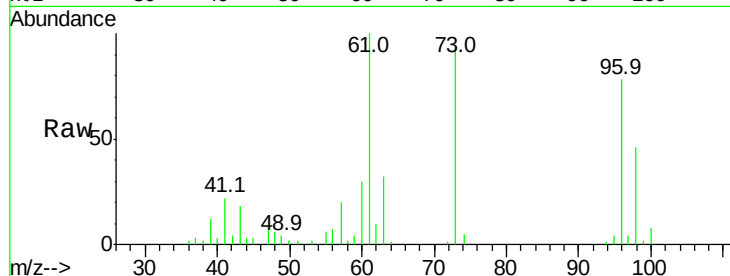




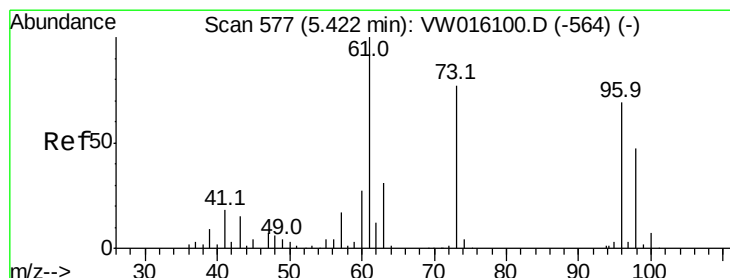
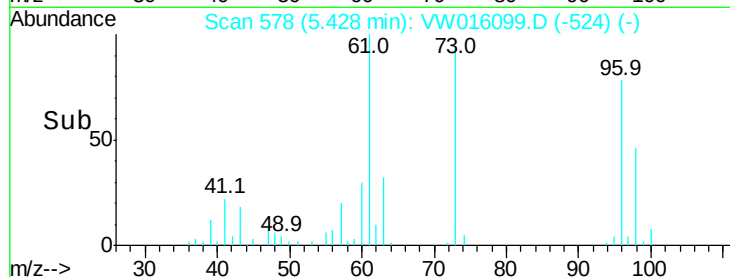
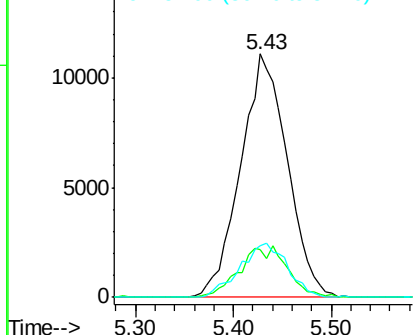
#17
Methyl tert-butyl Ether
Concen: 4.905 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

Instrument :
MSVOA_W
ClientSampled :
VSTD00502

Tgt Ion: 73 Resp: 36718
Ion Ratio Lower Upper
73 100
43 12.6 16.6 24.8#
57 22.6 17.1 25.7

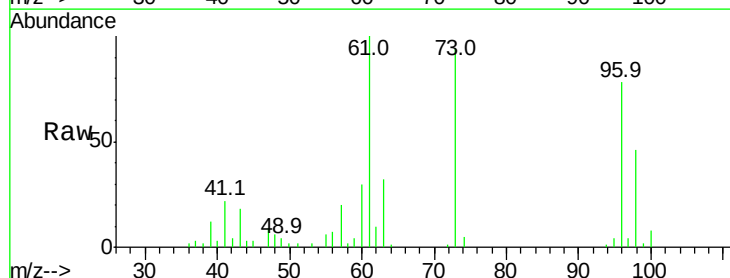


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

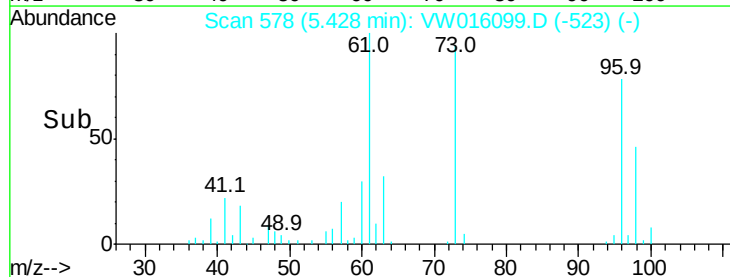
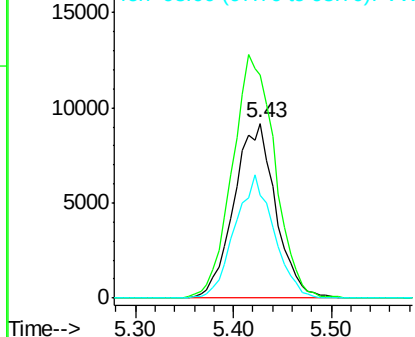


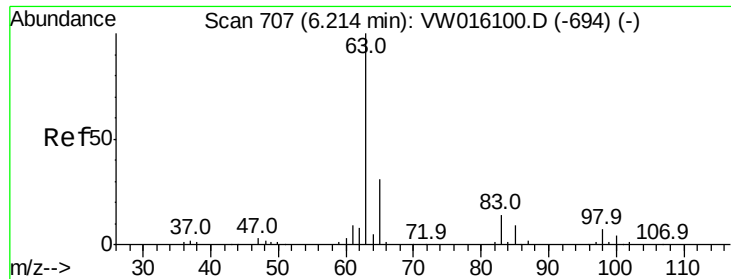
#18
trans-1,2-Dichloroethene
Concen: 4.851 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

Tgt Ion: 96 Resp: 27117
Ion Ratio Lower Upper
96 100
61 127.7 101.6 188.8
98 58.8 47.7 88.7



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

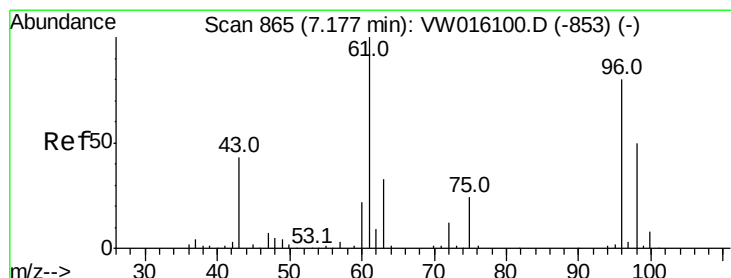
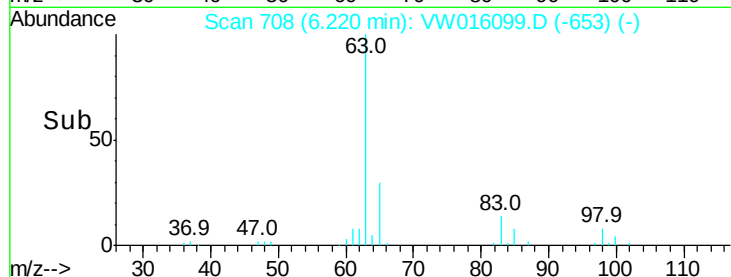
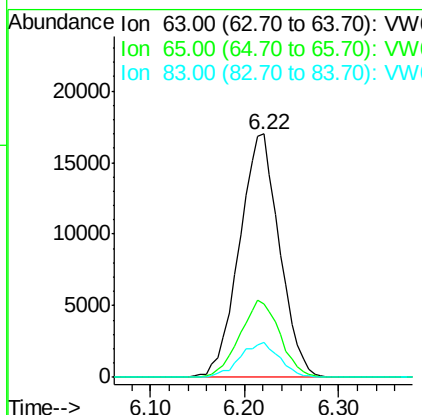
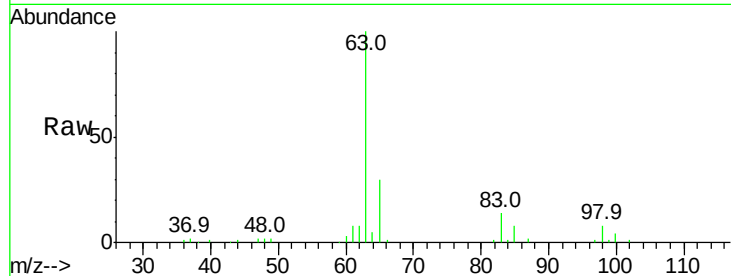




#19
 1,1-Dichloroethane
 Concen: 4.888 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

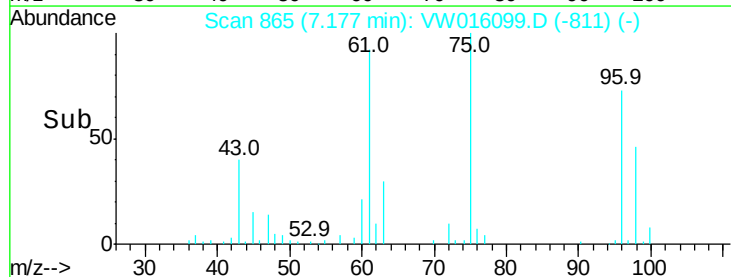
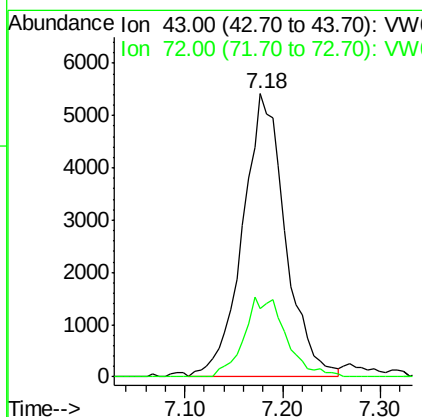
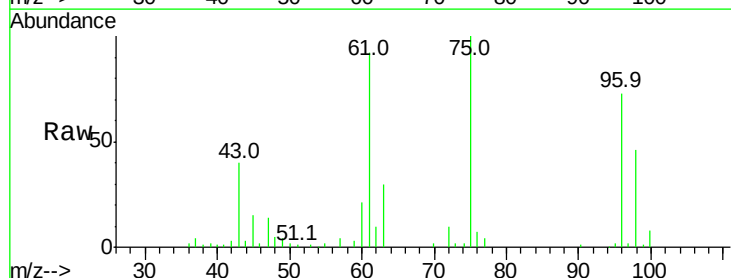
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

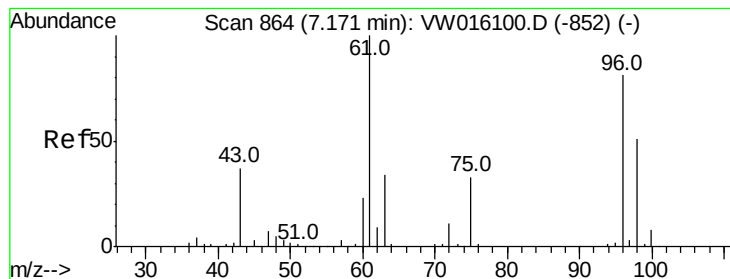
Tgt Ion: 63 Resp: 50351
 Ion Ratio Lower Upper
 63 100
 65 30.0 21.6 40.0
 83 14.1 9.8 18.2



#21
 2-Butanone
 Concen: 10.375 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

Tgt Ion: 43 Resp: 16446
 Ion Ratio Lower Upper
 43 100
 72 12.4 13.9 41.7#





#22

cis-1,2-Dichloroethene

Concen: 4.878 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

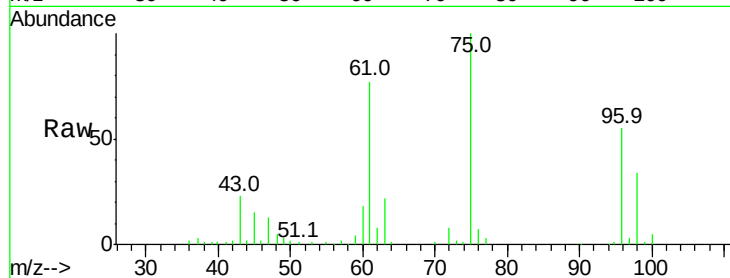
Tgt Ion: 96 Resp: 28533

Ion Ratio Lower Upper

96 100

61 140.6 87.0 161.6

98 62.4 44.0 81.6

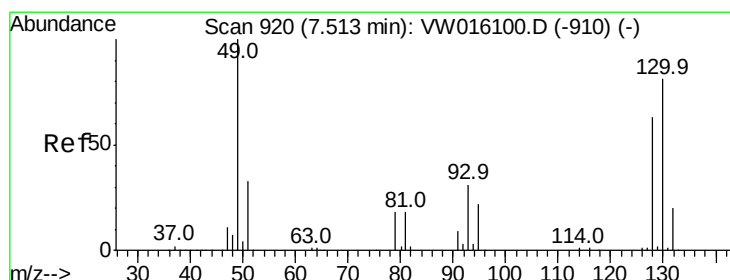
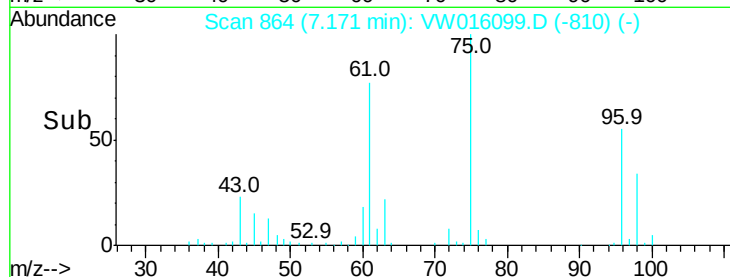
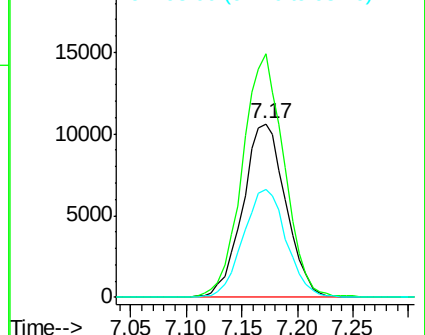


Abundance

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



#23

Bromochloromethane

Concen: 5.242 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Tgt Ion: 128 Resp: 13444

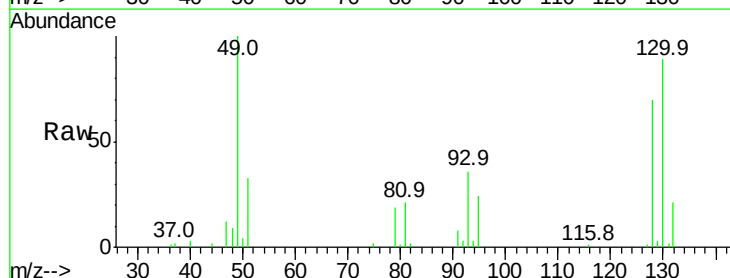
Ion Ratio Lower Upper

128 100

49 143.0 111.8 207.6

130 126.6 90.6 168.3

51 47.6 42.6 63.8



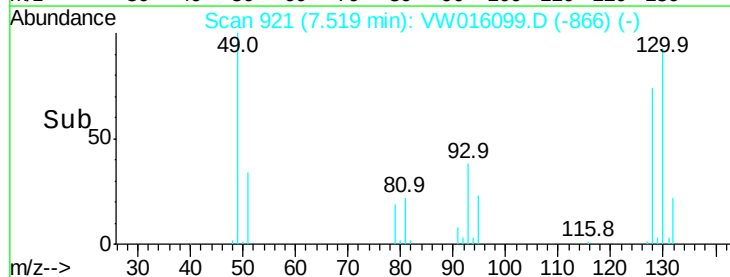
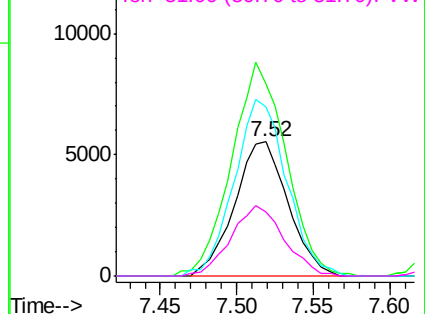
Abundance

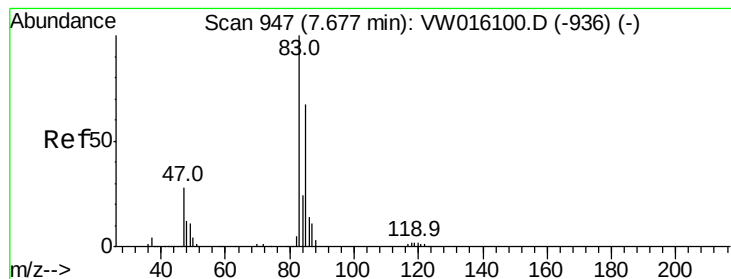
Ion 128.00 (127.70 to 128.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): VW

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 5.185 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

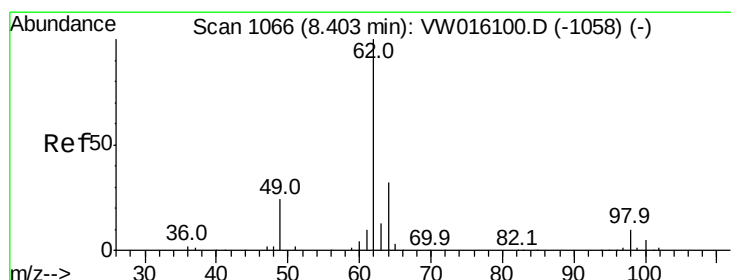
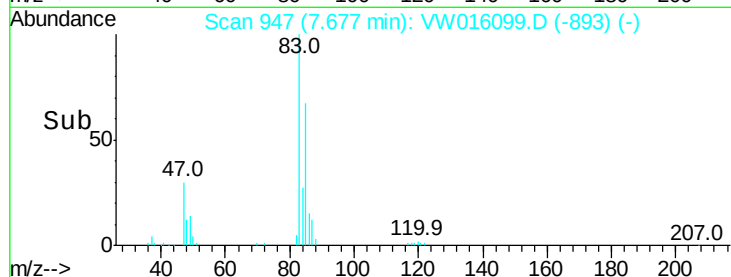
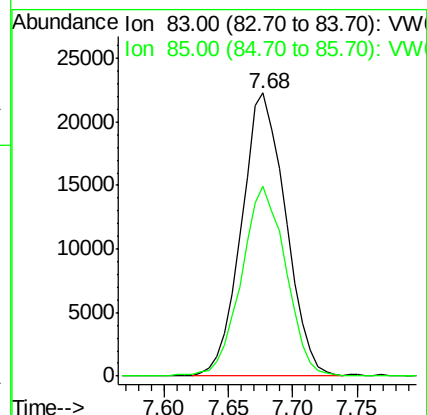
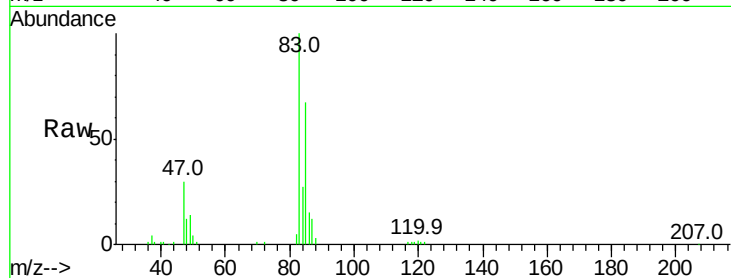
VSTD00502

Tgt Ion: 83 Resp: 52939

Ion Ratio Lower Upper

83 100

85 67.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 5.222 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016099.D

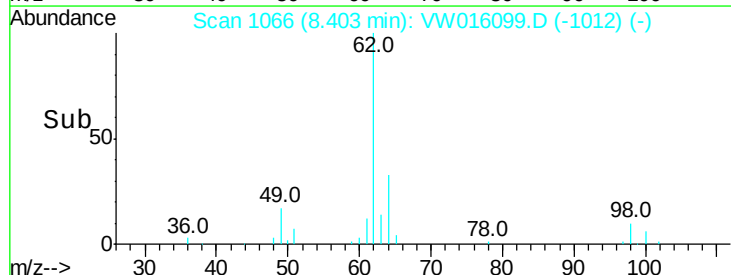
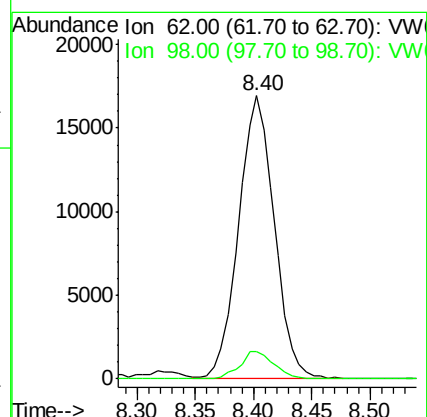
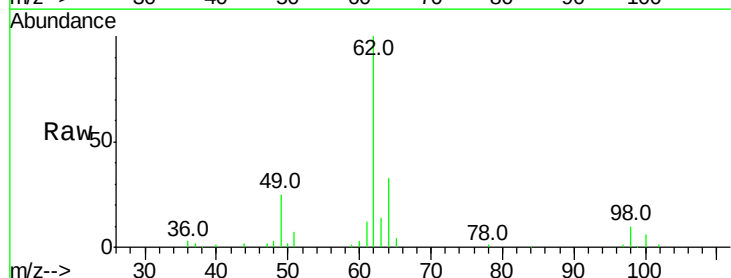
Acq: 10 Aug 2020 12:26

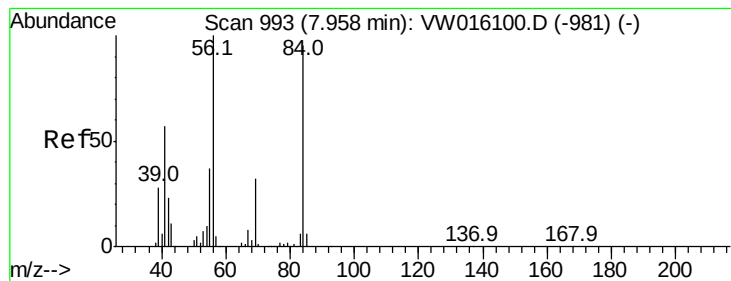
Tgt Ion: 62 Resp: 36282

Ion Ratio Lower Upper

62 100

98 9.8 7.7 11.5





#30

Cyclohexane

Concen: 3.977 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

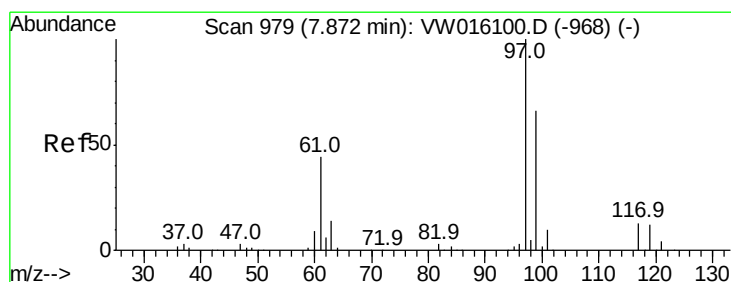
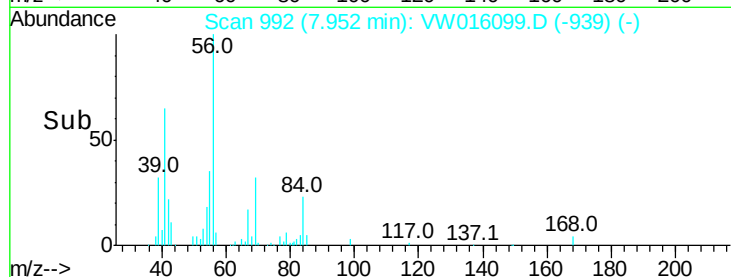
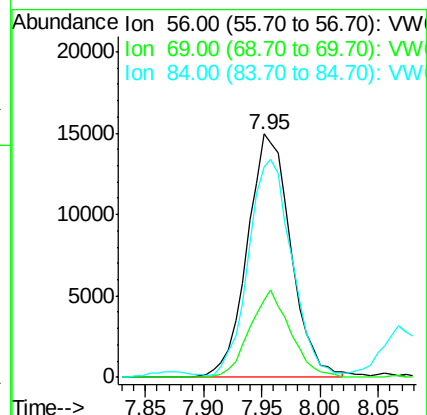
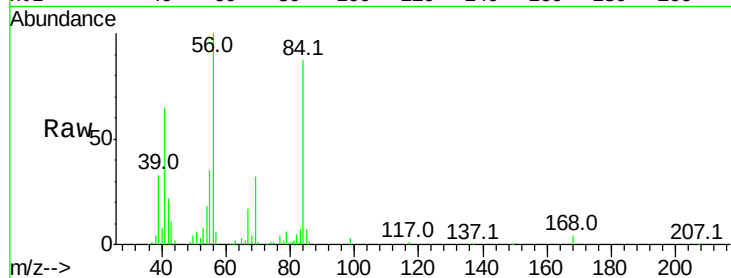
Tgt Ion: 56 Resp: 38798

Ion Ratio Lower Upper

56 100

69 33.4 25.4 38.0

84 89.6 73.0 109.6



#31

1,1,1-Trichloroethane

Concen: 5.034 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

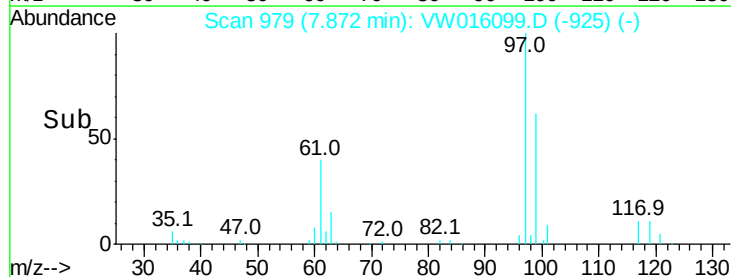
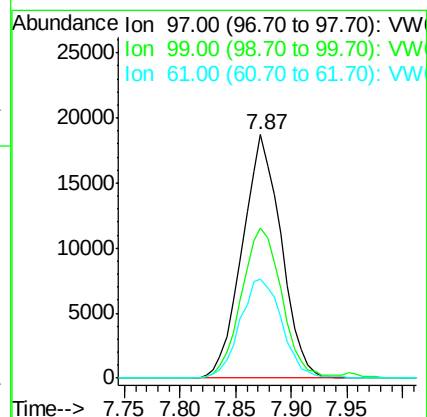
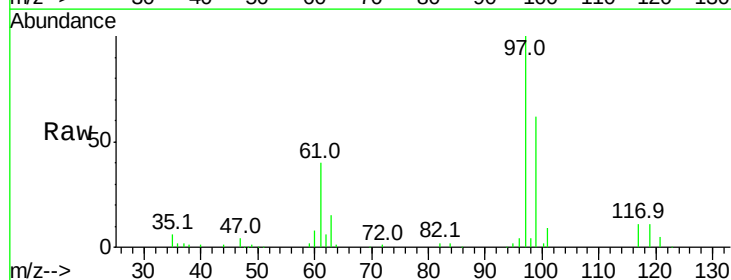
Tgt Ion: 97 Resp: 45469

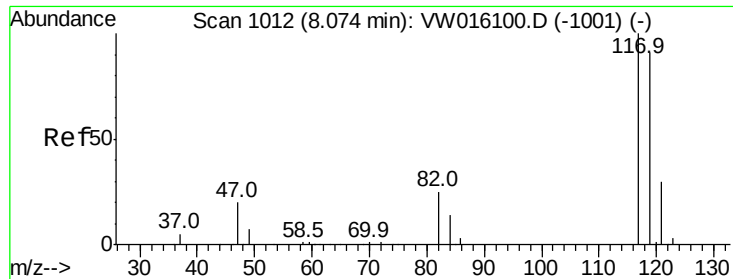
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 43.6 34.5 51.7

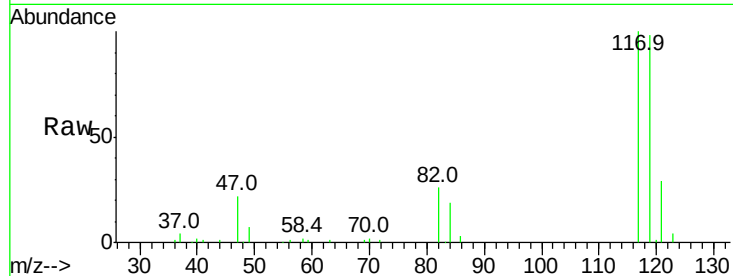




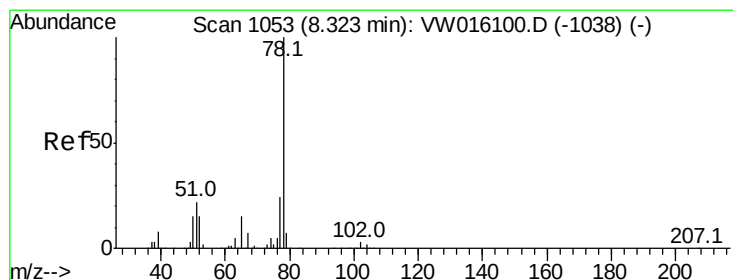
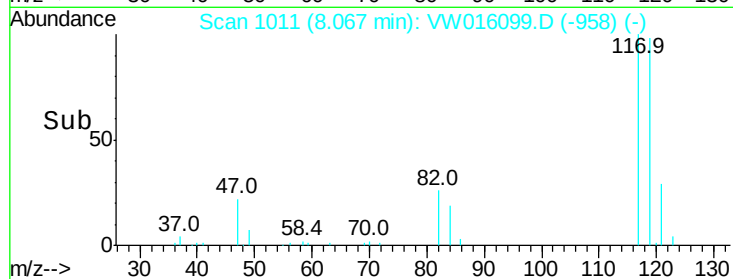
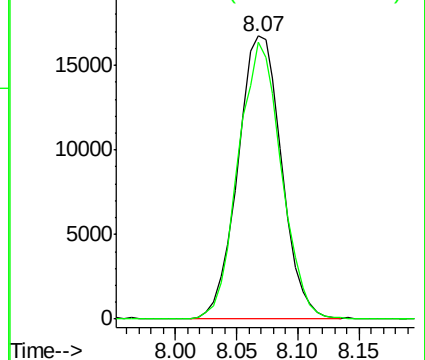
#32
Carbon tetrachloride
Concen: 5.074 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Tgt Ion:117 Resp: 41560
Ion Ratio Lower Upper
117 100
119 96.2 75.2 112.8

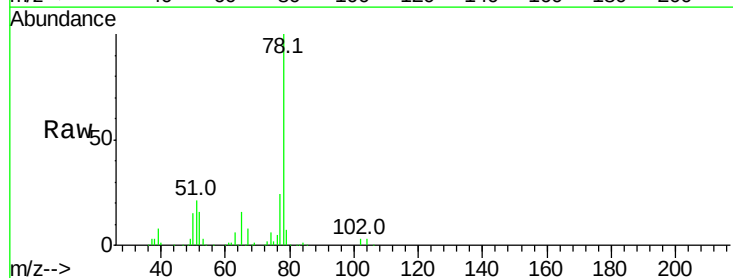


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

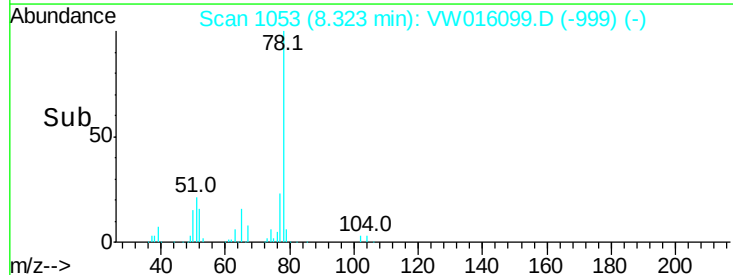
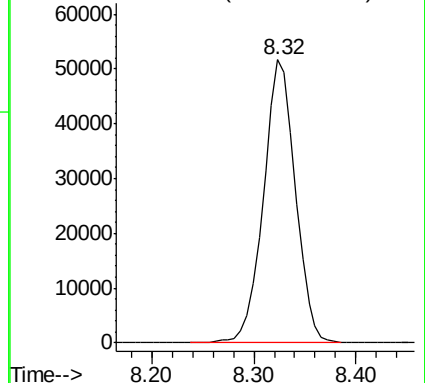


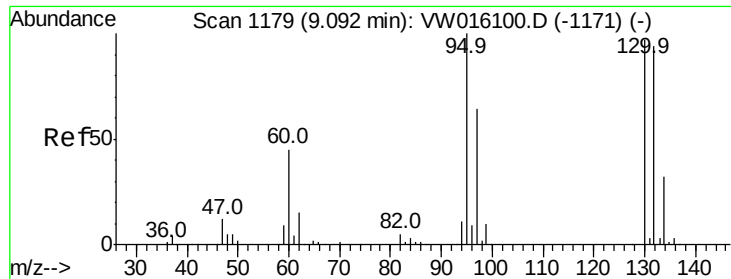
#34
Benzene
Concen: 4.781 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

Tgt Ion: 78 Resp: 112346



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 4.826 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 95 Resp: 29997

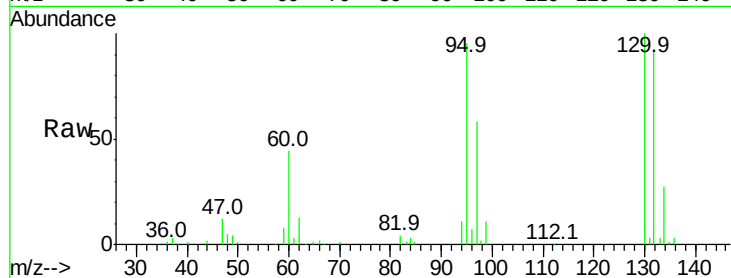
Ion Ratio Lower Upper

95 100

97 64.3 44.9 83.3

132 94.1 65.8 122.2

130 97.3 69.5 129.1

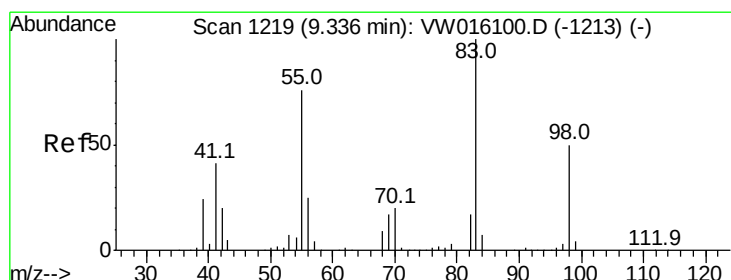
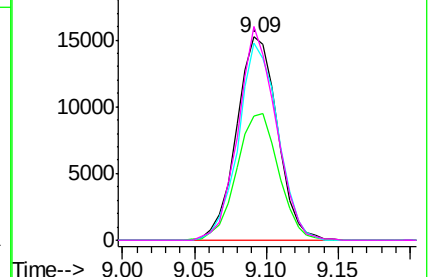
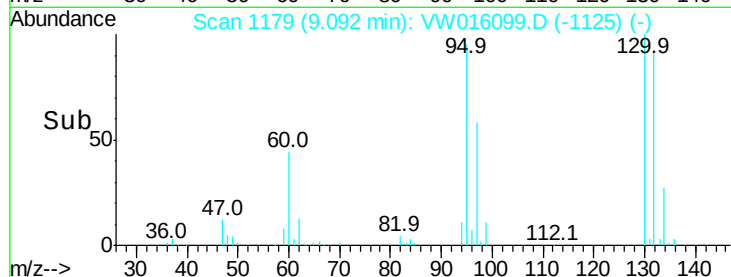


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.352 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

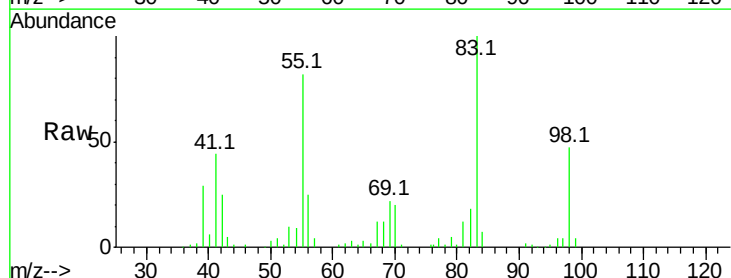
Tgt Ion: 83 Resp: 46417

Ion Ratio Lower Upper

83 100

55 79.6 60.7 91.1

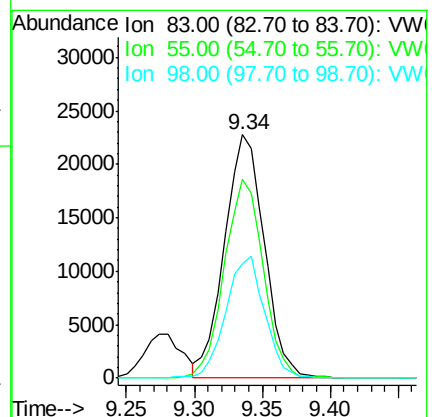
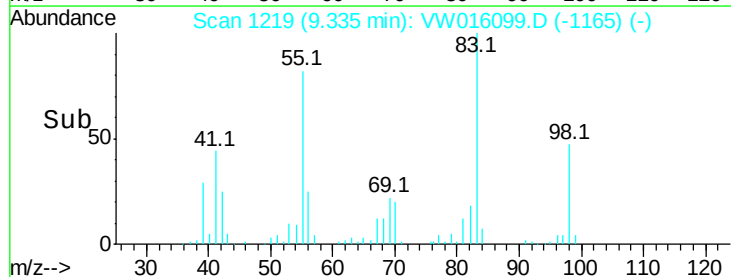
98 48.6 39.4 59.0

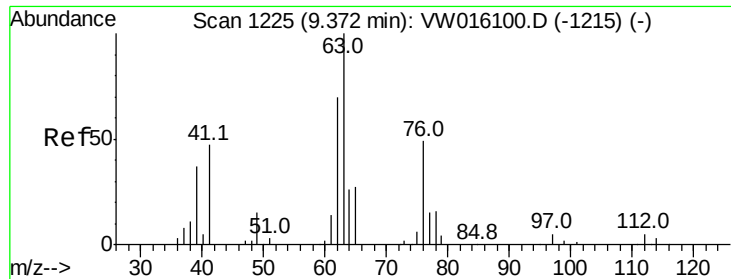


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

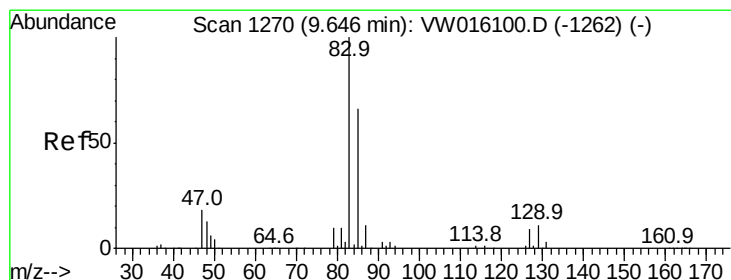
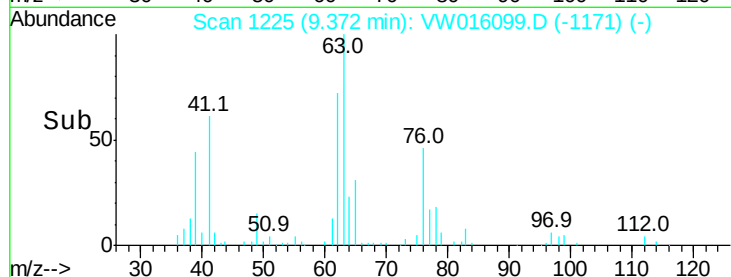
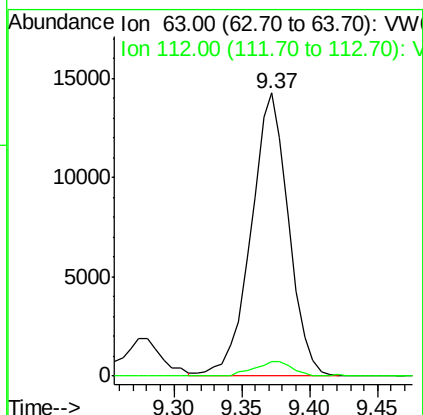
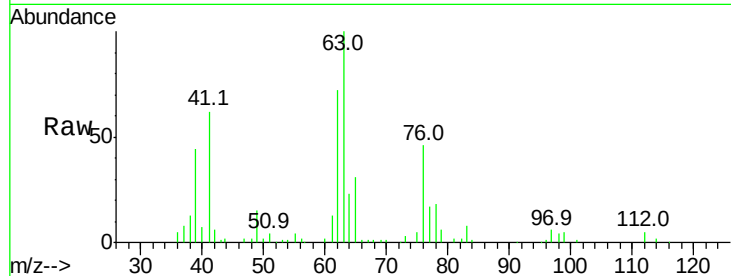




#40
 1,2-Dichloropropane
 Concen: 4.741 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

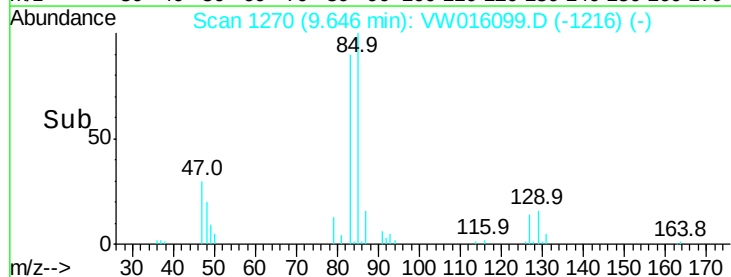
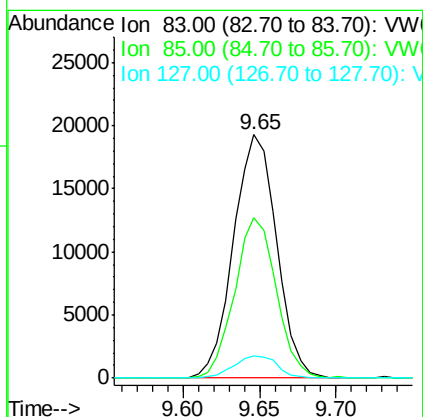
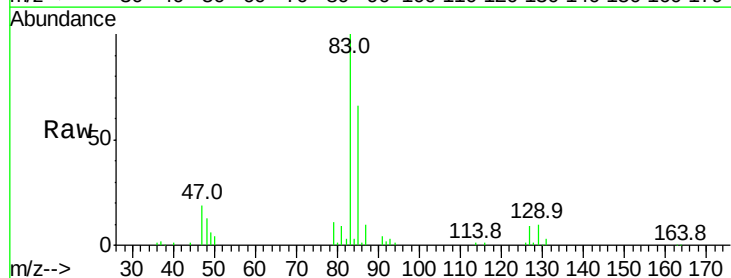
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

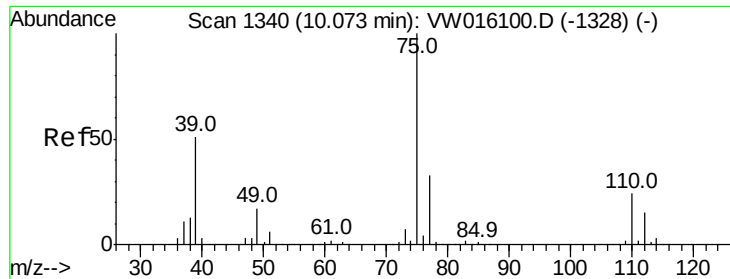
Tgt Ion: 63 Resp: 27598
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#41
 Bromodichloromethane
 Concen: 5.018 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

Tgt Ion: 83 Resp: 37721
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.1 85.5
 127 8.9 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 4.470 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

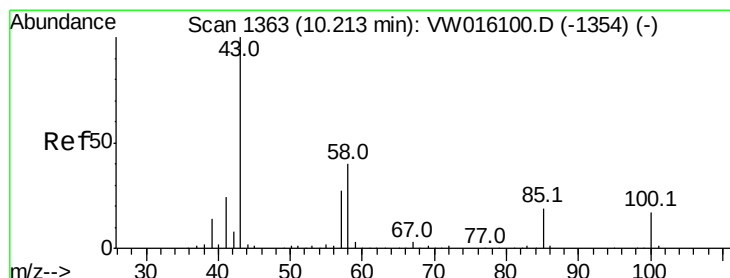
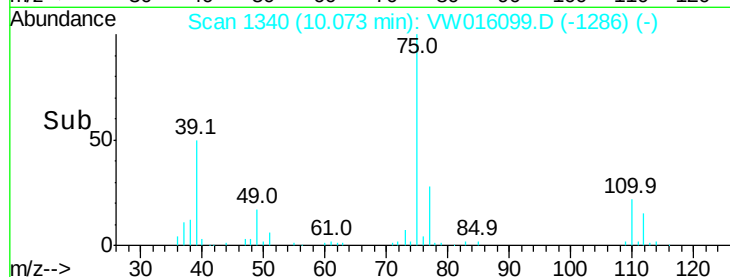
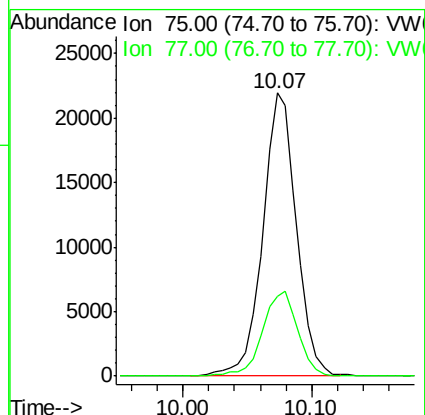
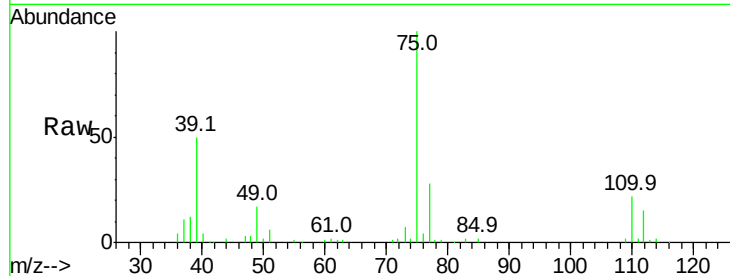
VSTD00502

Tgt Ion: 75 Resp: 39629

Ion Ratio Lower Upper

75 100

77 28.4 22.9 42.5



#43

4-Methyl-2-pentanone

Concen: 9.556 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

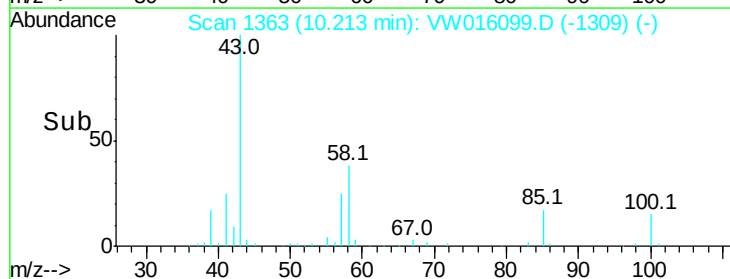
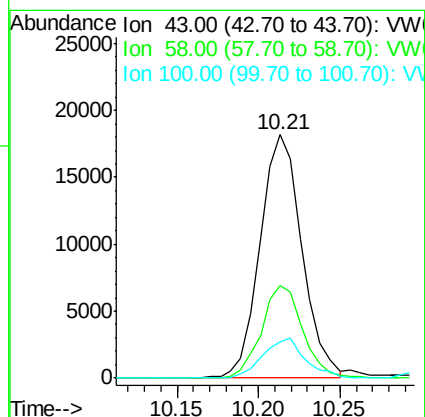
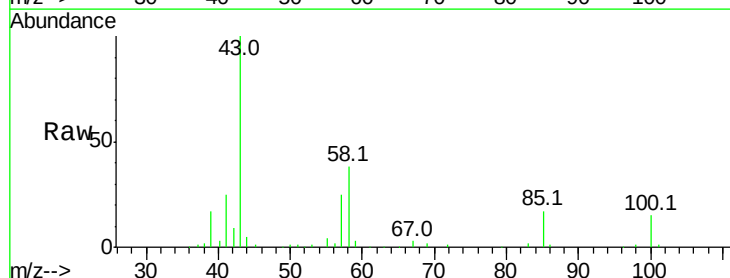
Tgt Ion: 43 Resp: 32468

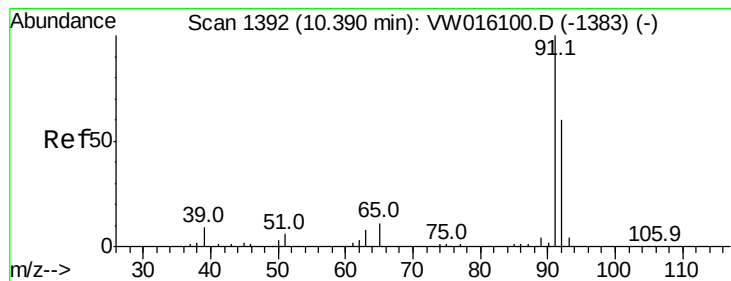
Ion Ratio Lower Upper

43 100

58 37.7 32.1 48.1

100 16.4 13.8 20.8





#44

Toluene

Concen: 4.707 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

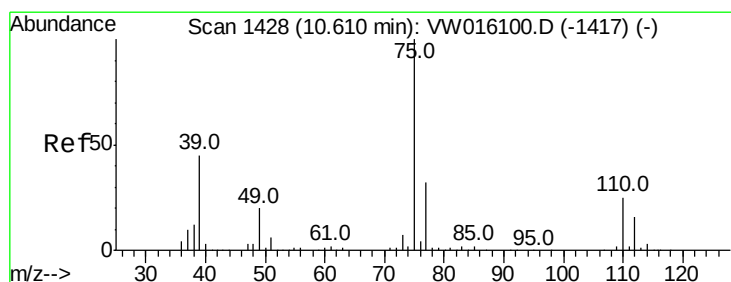
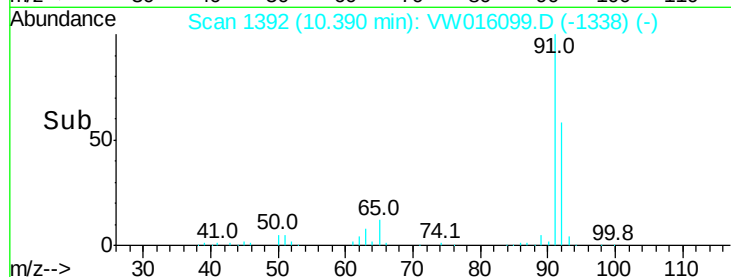
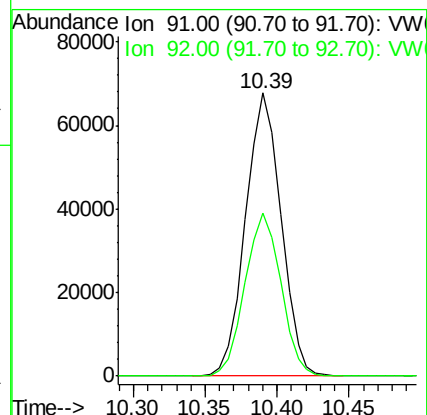
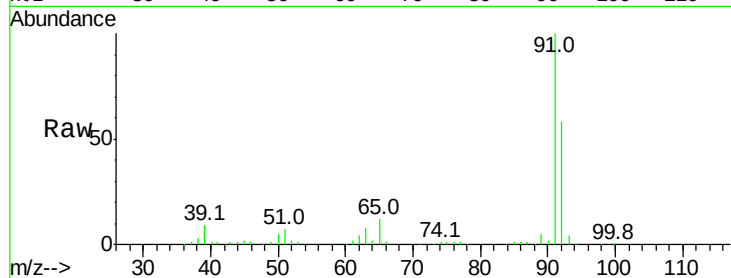
VSTD00502

Tgt Ion: 91 Resp: 116004

Ion Ratio Lower Upper

91 100

92 57.5 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 4.586 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016099.D

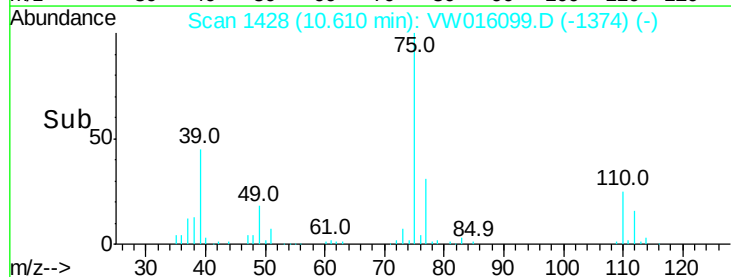
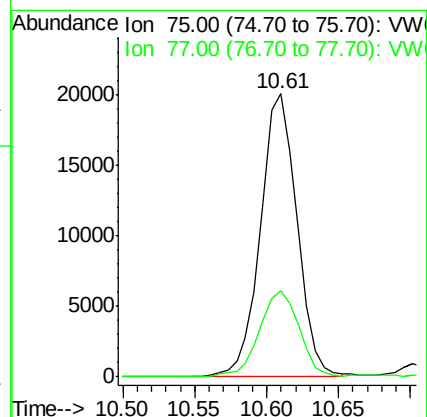
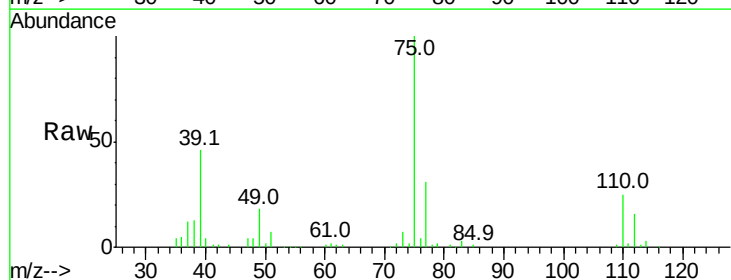
Acq: 10 Aug 2020 12:26

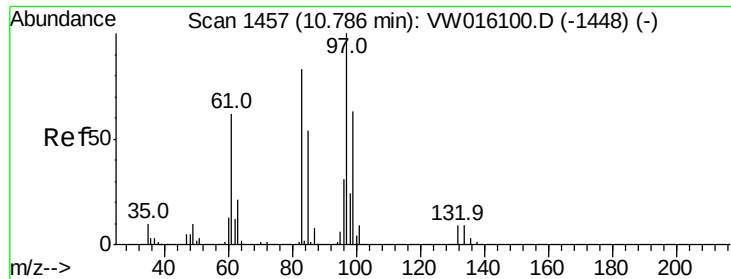
Tgt Ion: 75 Resp: 35236

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 5.406 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 97 Resp: 22628

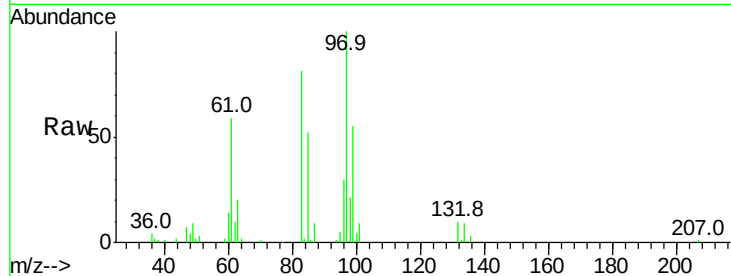
Ion Ratio Lower Upper

97 100

83 80.6 57.8 107.4

85 52.3 38.0 70.6

99 55.3 44.4 82.4

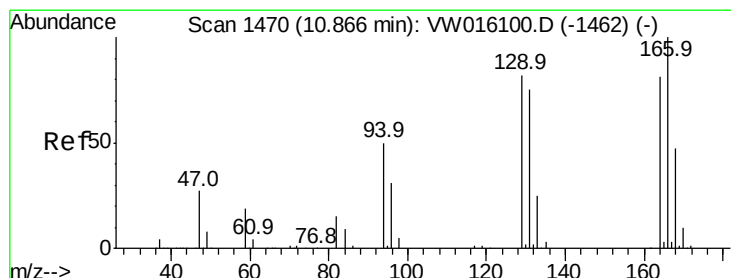
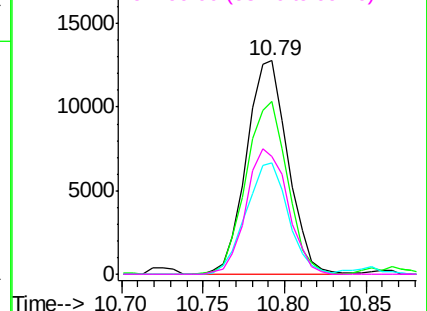
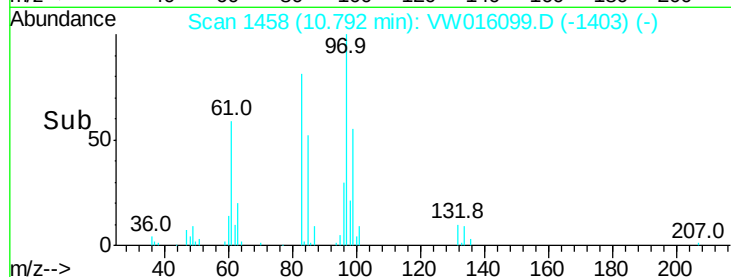


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 4.757 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Tgt Ion: 164 Resp: 22951

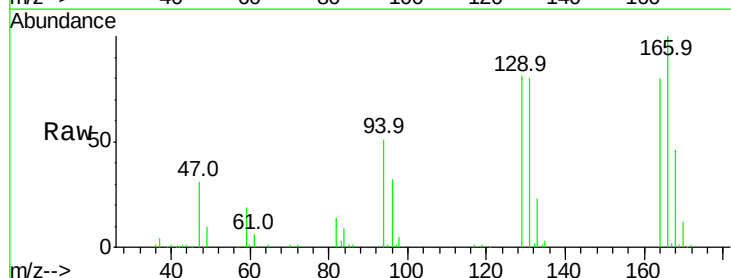
Ion Ratio Lower Upper

164 100

129 101.2 71.5 132.9

131 100.1 65.4 121.4

166 124.7 86.9 161.5

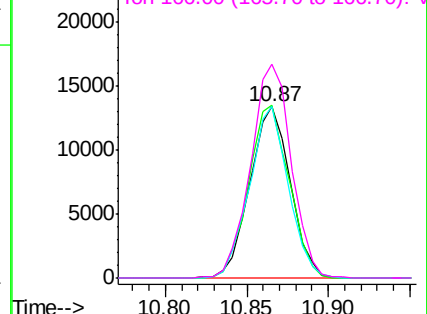
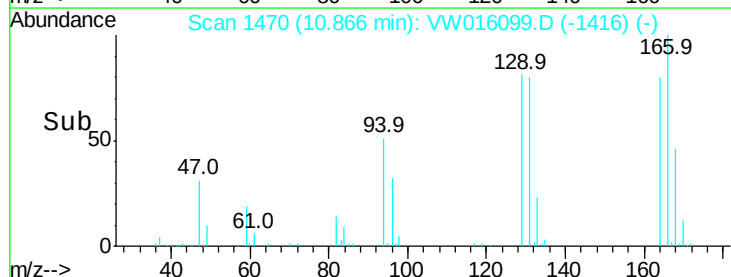


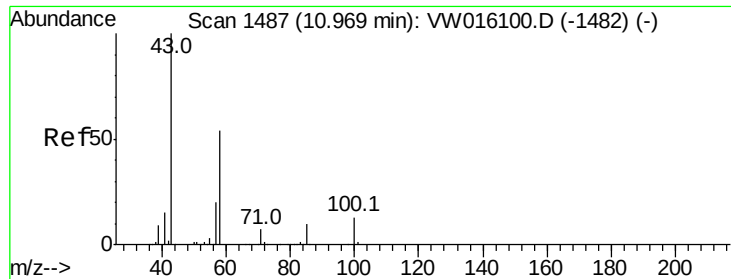
Abundance Ion 164.00 (163.70 to 164.70): V

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

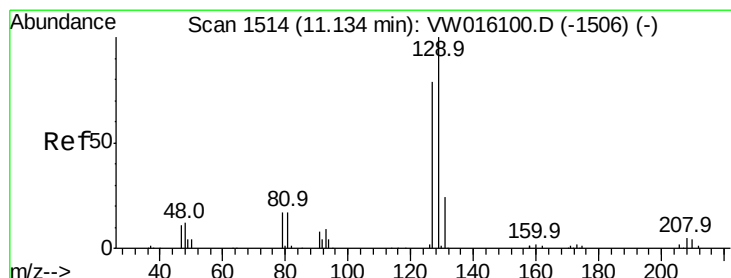
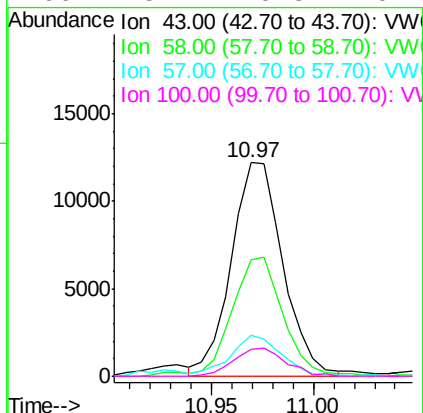
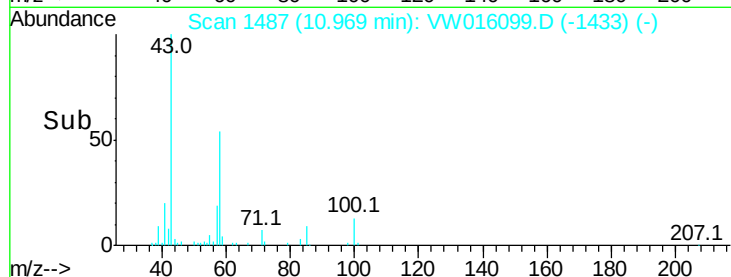
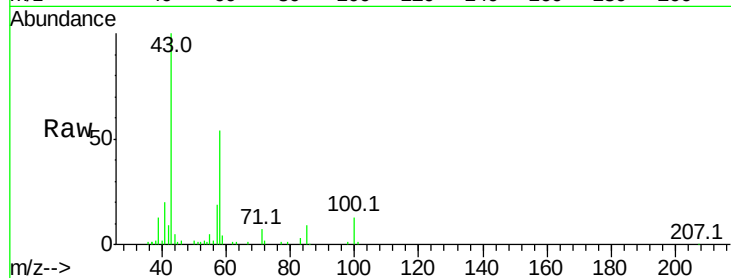




#49
2-Hexanone
Concen: 8.926 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

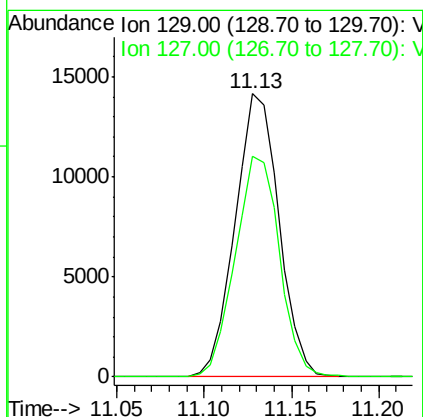
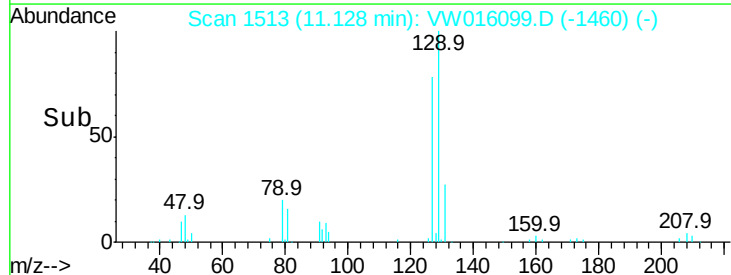
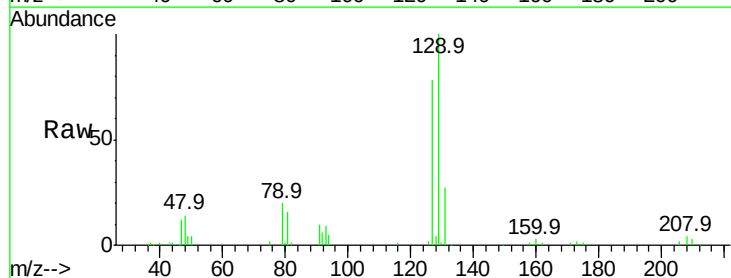
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

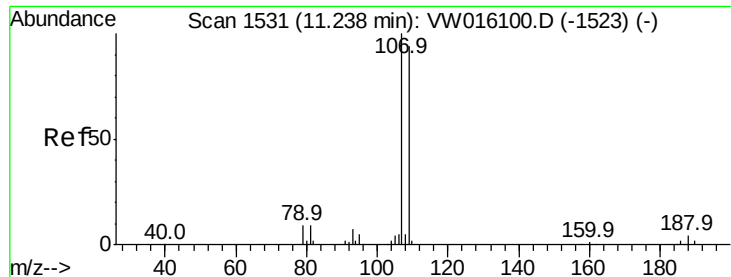
Tgt Ion:	43	Resp:	21520
Ion	Ratio	Lower	Upper
43	100		
58	54.6	44.2	66.2
57	18.8	15.8	23.6
100	13.4	10.8	16.2



#50
Dibromochloromethane
Concen: 5.118 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

Tgt Ion:	129	Resp:	24802
Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.4	102.8

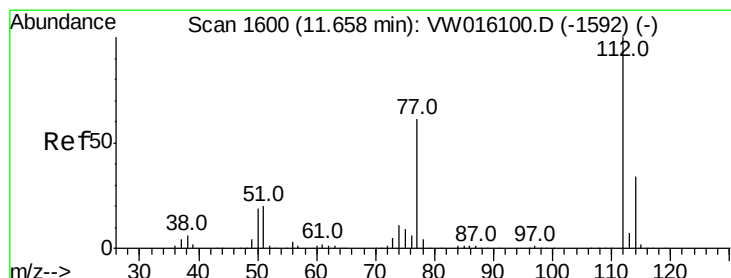
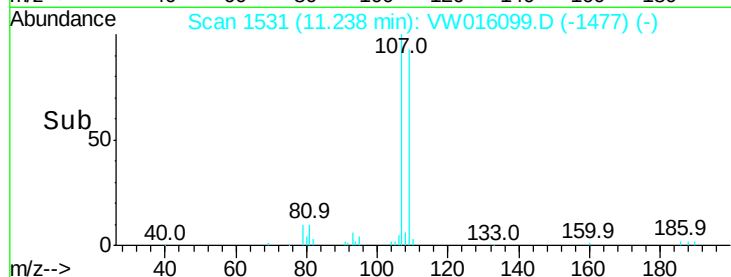
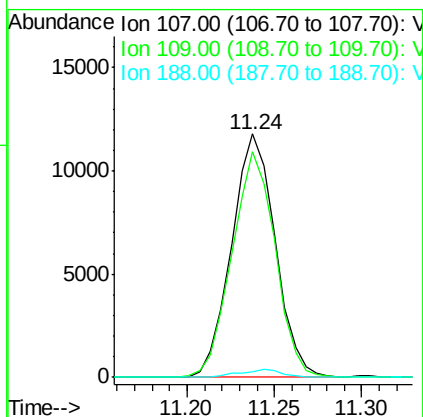
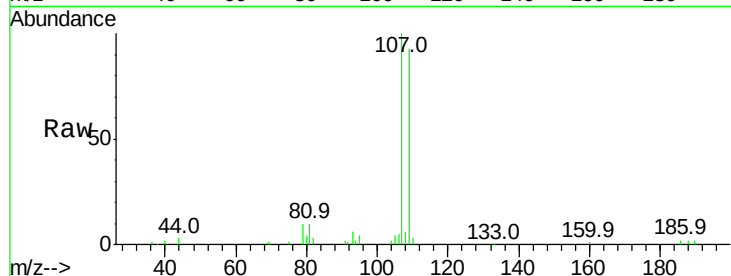




#51
 1,2-Dibromoethane
 Concen: 5.105 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

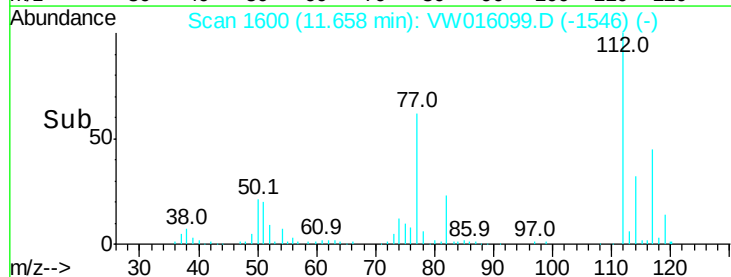
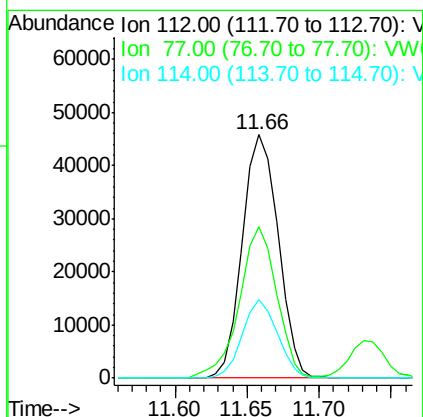
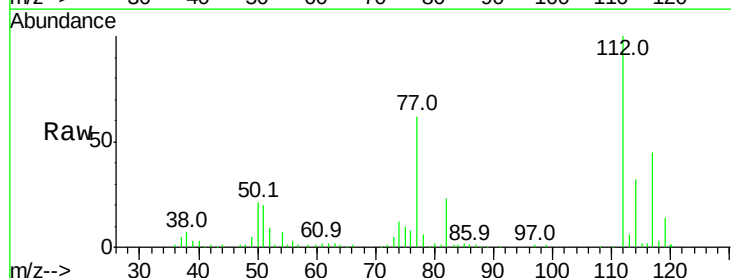
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

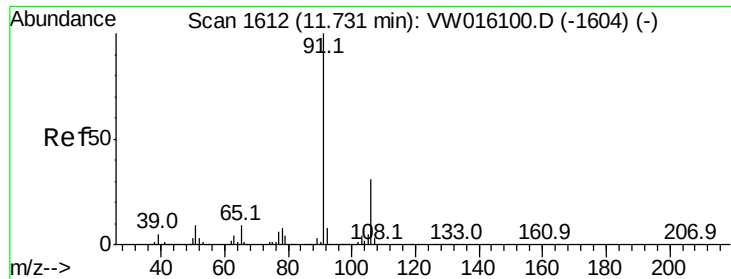
Tgt Ion:107 Resp: 20440
 Ion Ratio Lower Upper
 107 100
 109 92.9 66.0 122.6
 188 2.2 2.8 4.2#



#52
 Chlorobenzene
 Concen: 5.035 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

Tgt Ion:112 Resp: 79515
 Ion Ratio Lower Upper
 112 100
 77 62.1 49.1 73.7
 114 32.3 23.5 43.7





#53

Ethylbenzene

Concen: 4.723 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

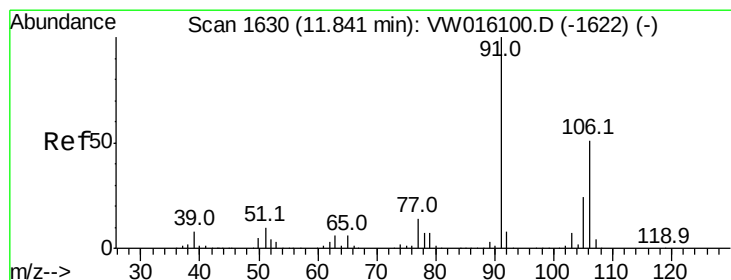
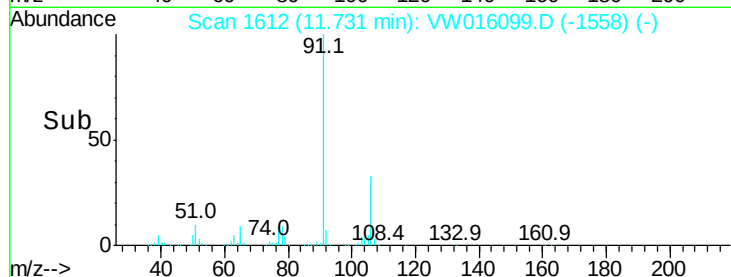
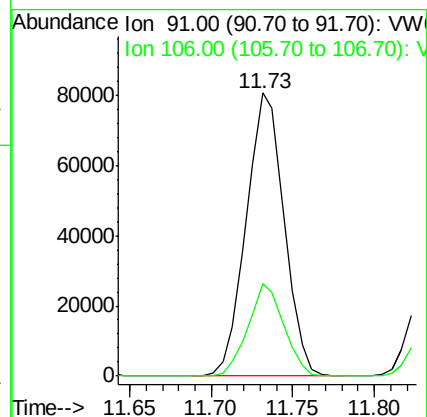
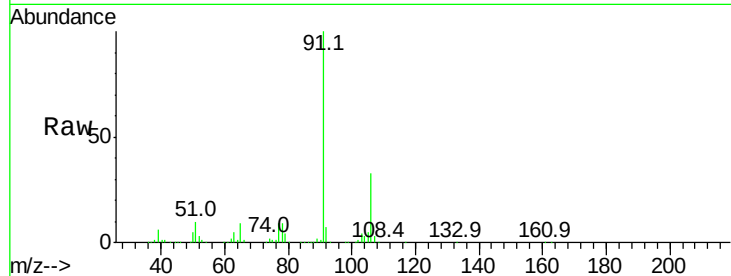
VSTD00502

Tgt Ion: 91 Resp: 130871

Ion Ratio Lower Upper

91 100

106 32.7 21.8 40.4



#54

m,p-Xylene

Concen: 4.704 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016099.D

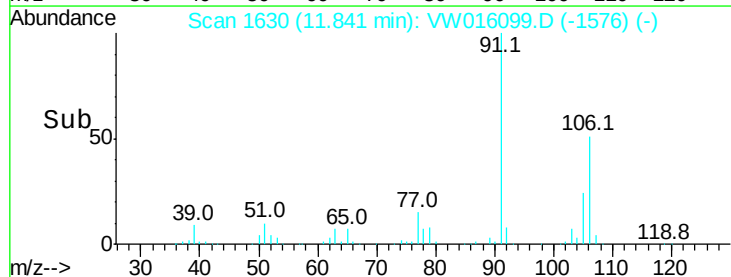
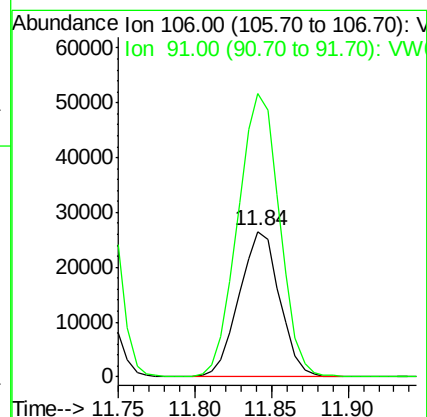
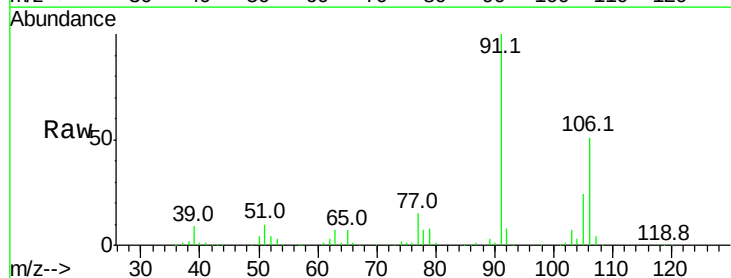
Acq: 10 Aug 2020 12:26

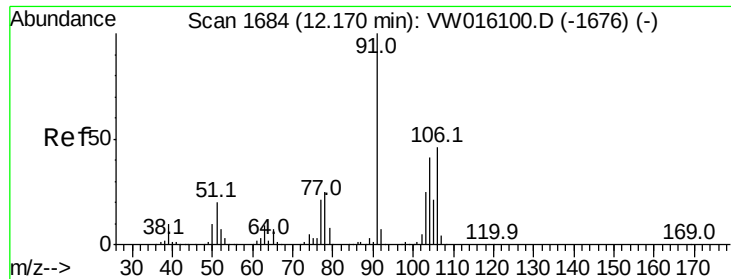
Tgt Ion: 106 Resp: 48769

Ion Ratio Lower Upper

106 100

91 194.9 136.4 253.2

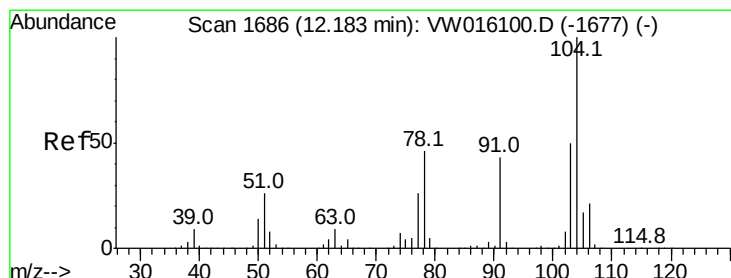
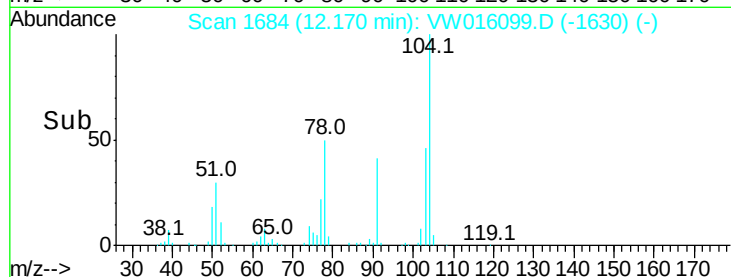
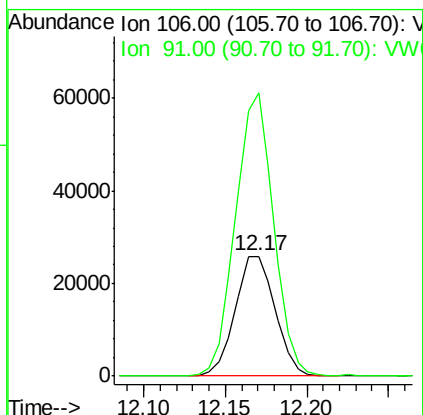
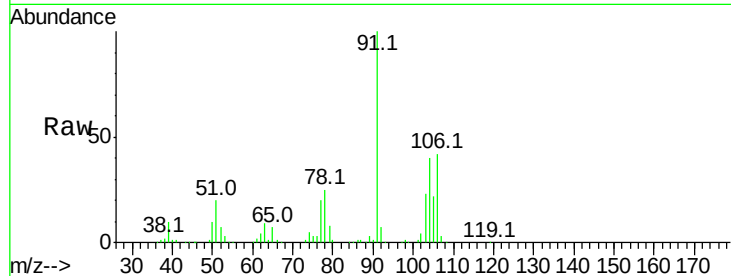




#55
o-xylene
Concen: 4.533 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

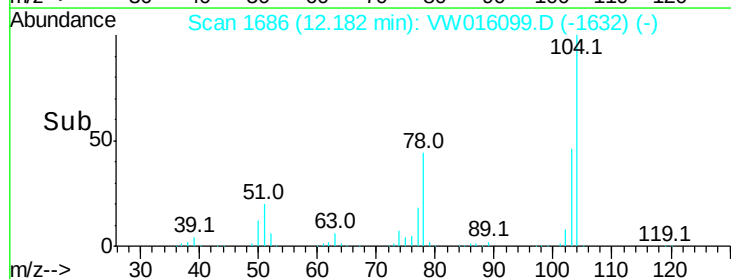
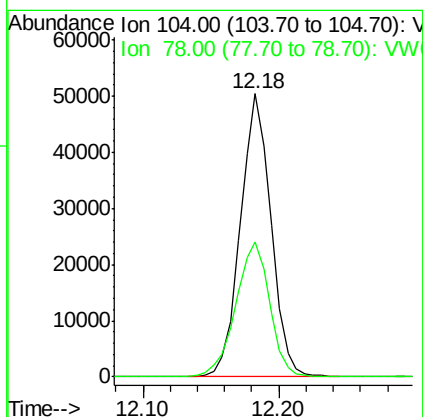
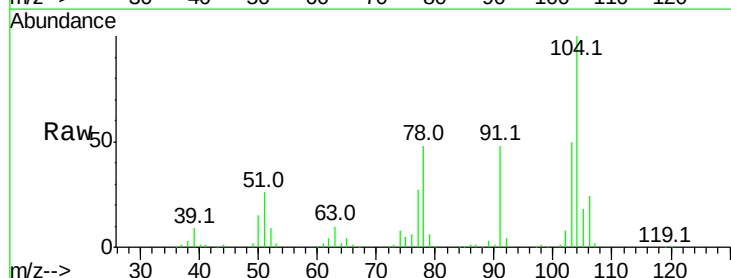
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

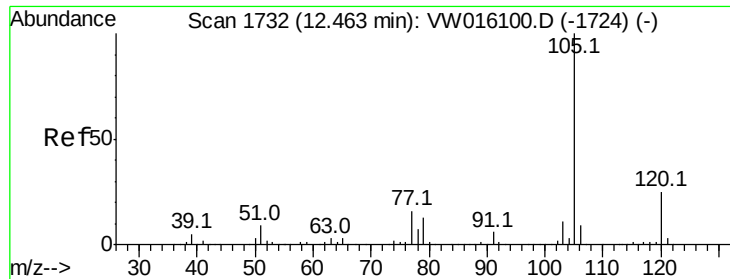
Tgt Ion:106 Resp: 44254
Ion Ratio Lower Upper
106 100
91 236.2 151.3 281.1



#56
Styrene
Concen: 4.773 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016099.D
Acq: 10 Aug 2020 12:26

Tgt Ion:104 Resp: 79235
Ion Ratio Lower Upper
104 100
78 47.8 32.0 59.4





#57

Isopropylbenzene

Concen: 4.589 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

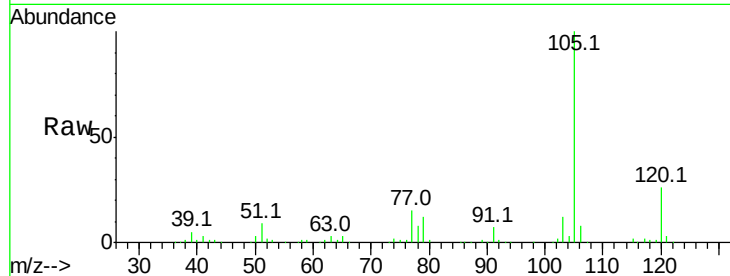
Tgt Ion:105 Resp: 121961

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

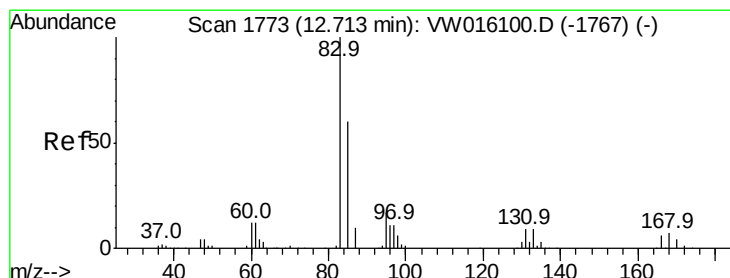
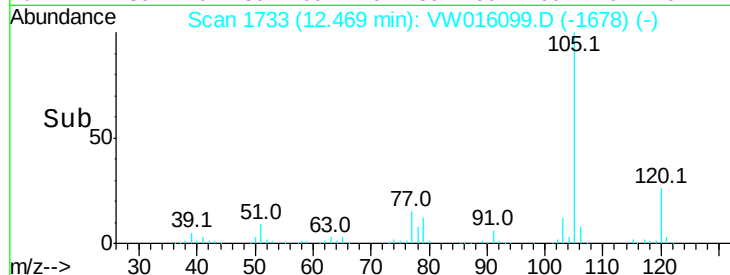
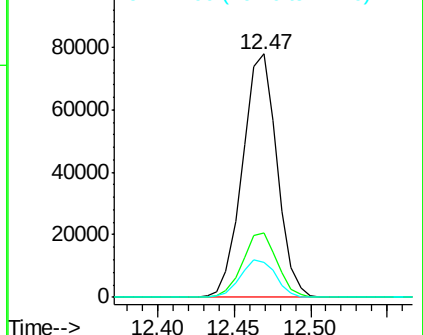
77 16.0 12.6 18.8



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: 5.345 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

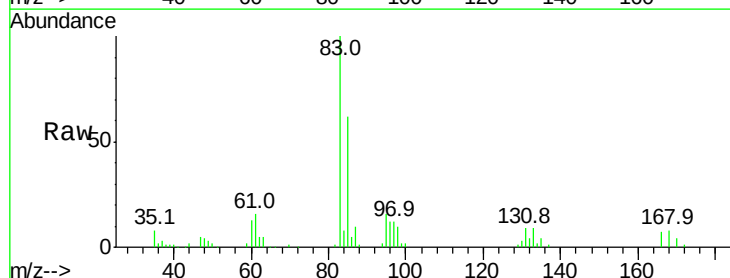
Tgt Ion: 83 Resp: 26273

Ion Ratio Lower Upper

83 100

85 61.8 42.4 78.8

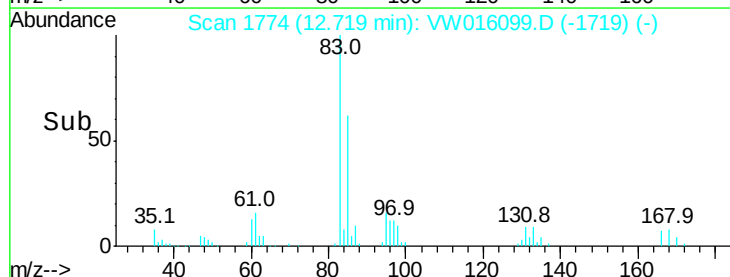
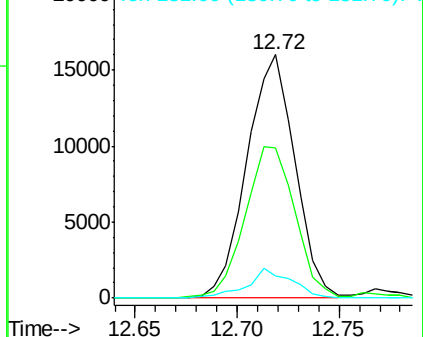
131 9.0 7.8 11.8

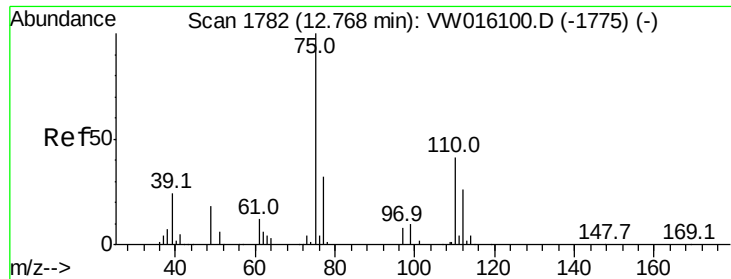


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.403 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

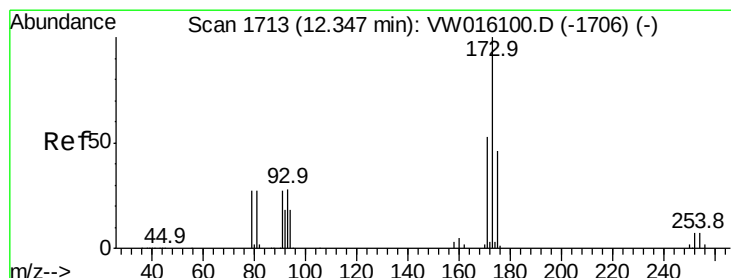
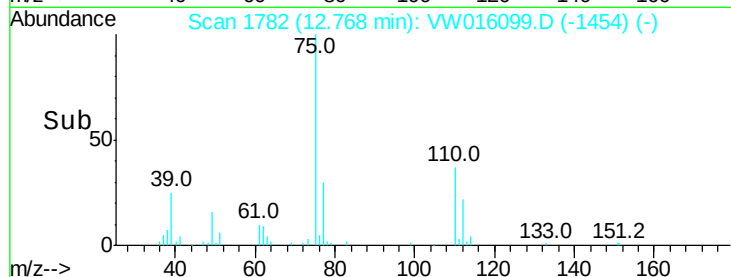
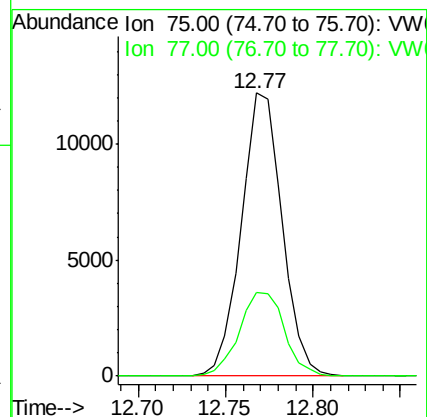
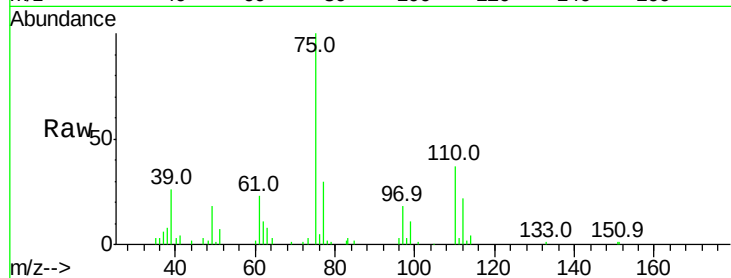
VSTD00502

Tgt Ion: 75 Resp: 19897

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 4.940 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

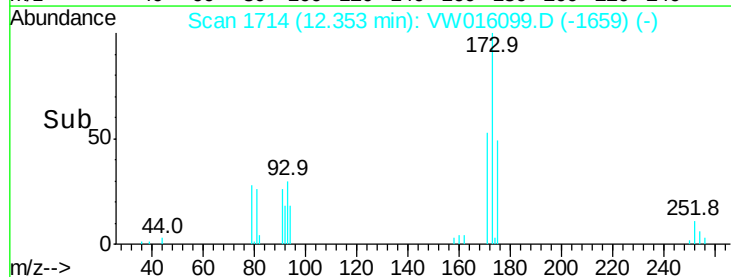
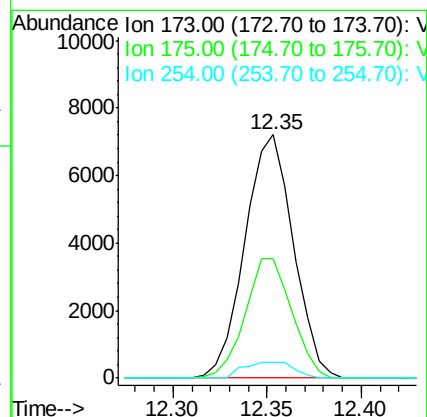
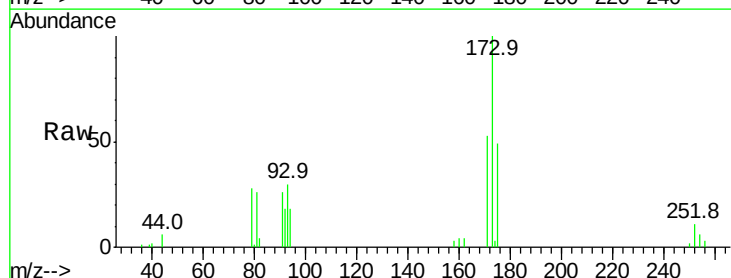
Tgt Ion: 173 Resp: 12863

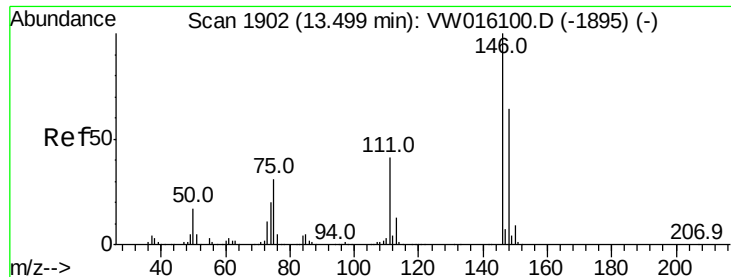
Ion Ratio Lower Upper

173 100

175 47.3 37.8 56.6

254 6.8 6.8 10.2#

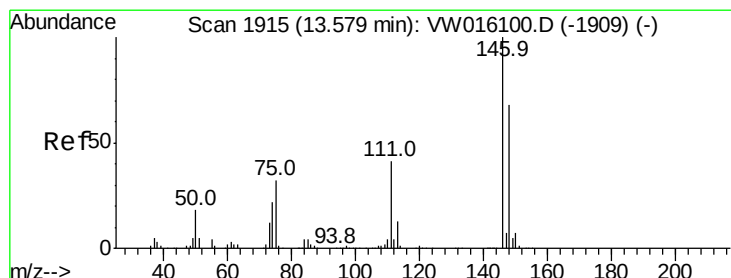
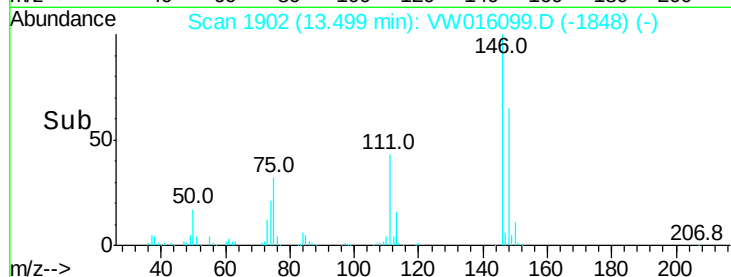
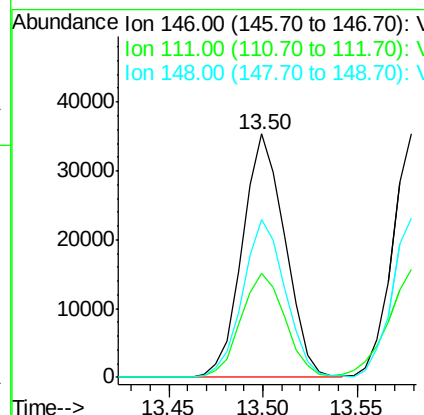
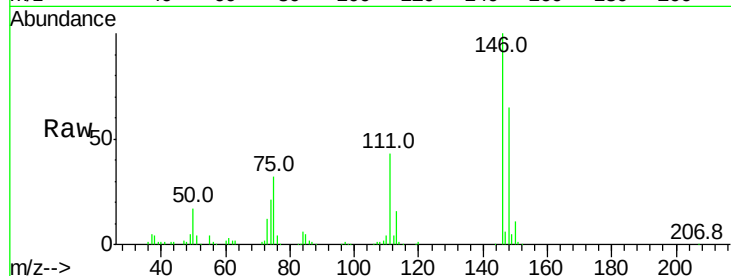




#63
 1,3-Dichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

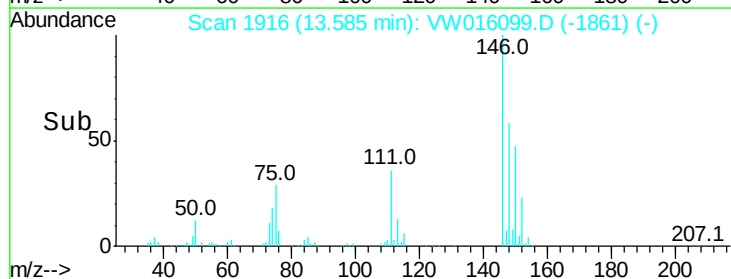
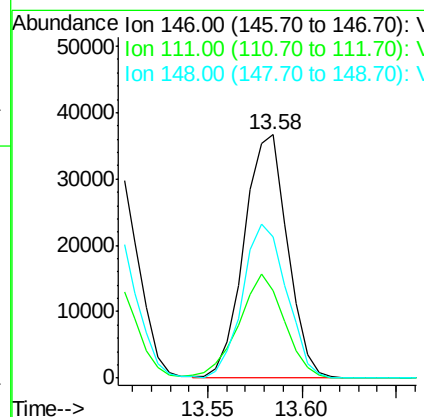
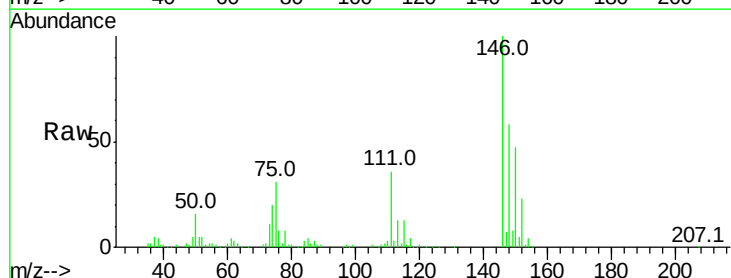
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

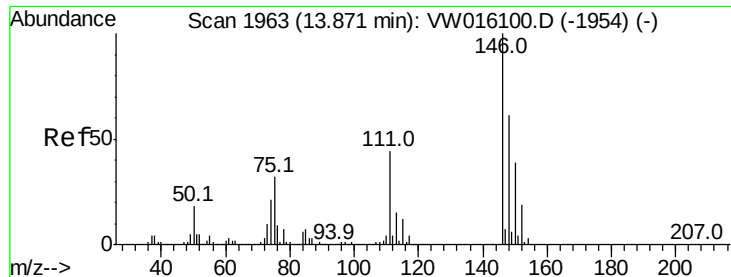
Tgt Ion:146 Resp: 55457
 Ion Ratio Lower Upper
 146 100
 111 43.0 28.9 53.7
 148 64.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 5.108 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

Tgt Ion:146 Resp: 58717
 Ion Ratio Lower Upper
 146 100
 111 35.8 28.6 53.2
 148 58.0 47.7 88.5





#65

1,2-Dichlorobenzene

Concen: 4.957 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

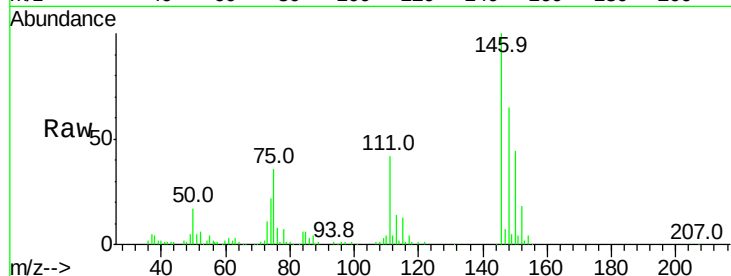
Tgt Ion:146 Resp: 51003

Ion Ratio Lower Upper

146 100

111 42.5 35.3 52.9

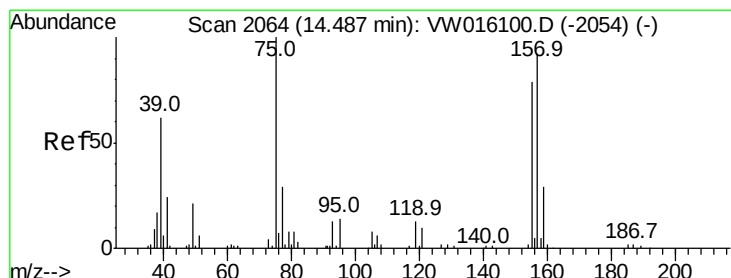
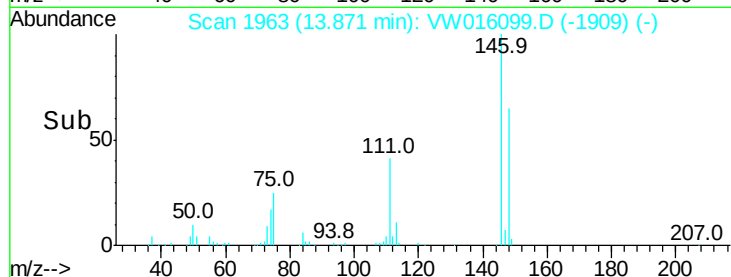
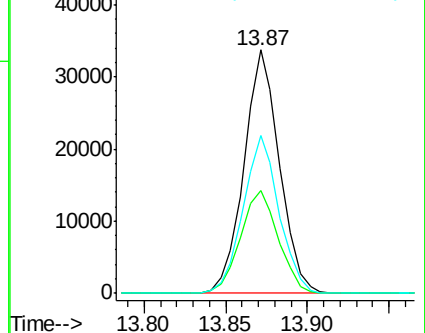
148 65.0 49.0 73.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.671 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

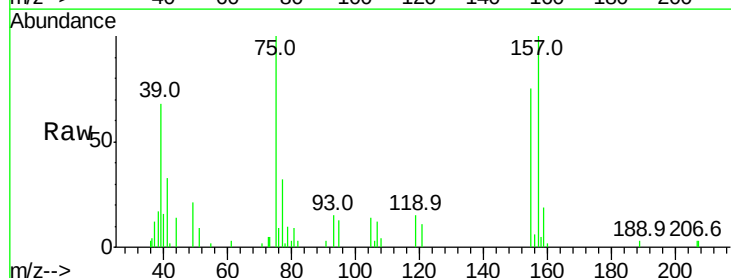
Tgt Ion: 75 Resp: 4392

Ion Ratio Lower Upper

75 100

157 99.6 73.9 110.9

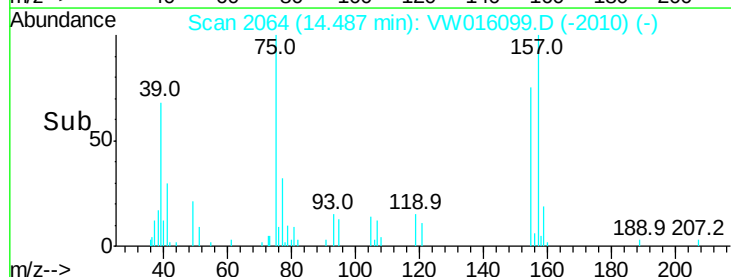
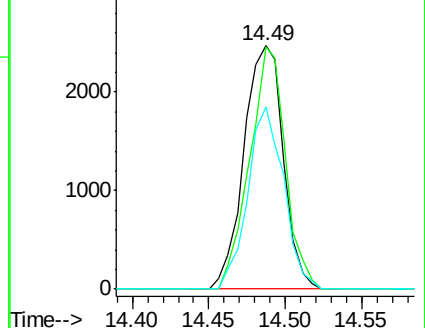
155 74.7 63.4 95.2

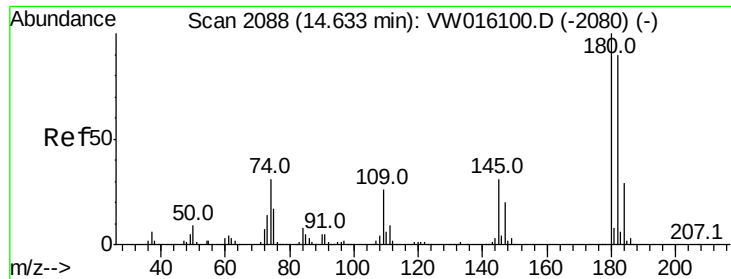


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

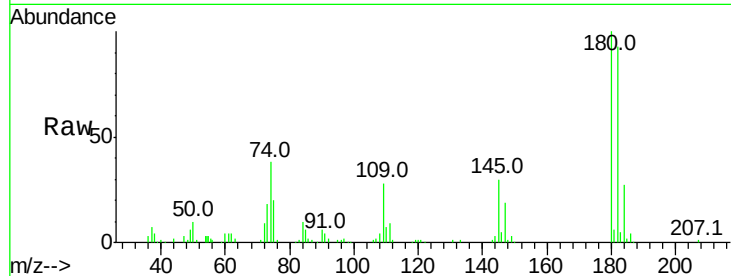




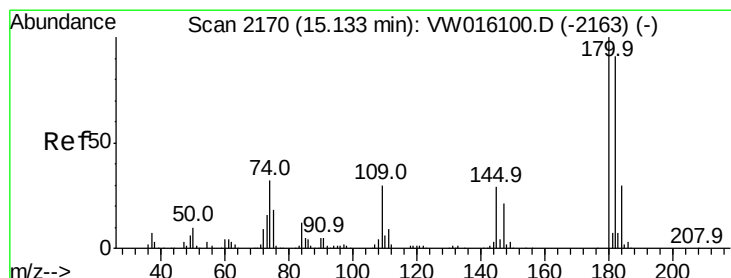
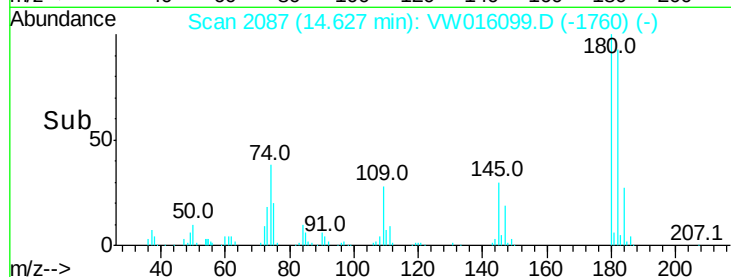
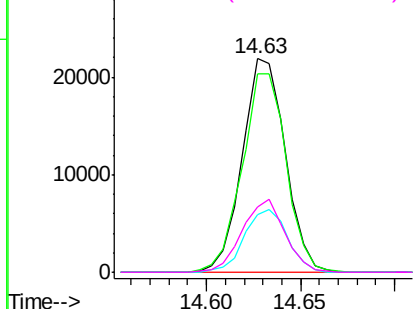
#67
 1,3,5-Trichlorobenzene
 Concen: 4.347 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Tgt Ion:180 Resp: 34624
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 184 29.1 25.1 37.7
 145 33.6 26.9 40.3

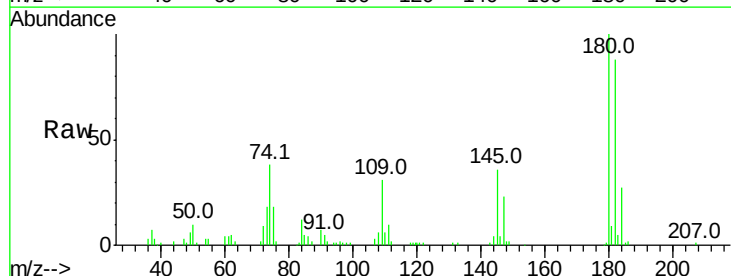


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

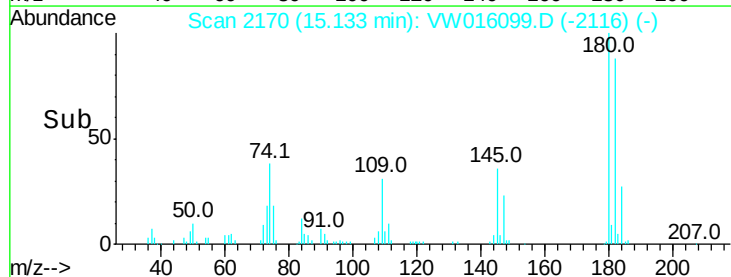
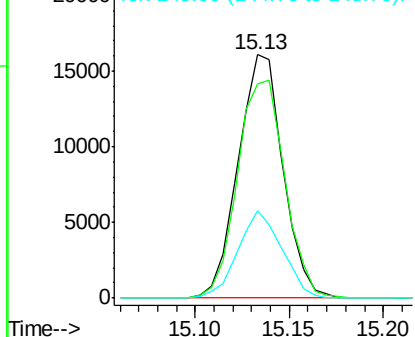


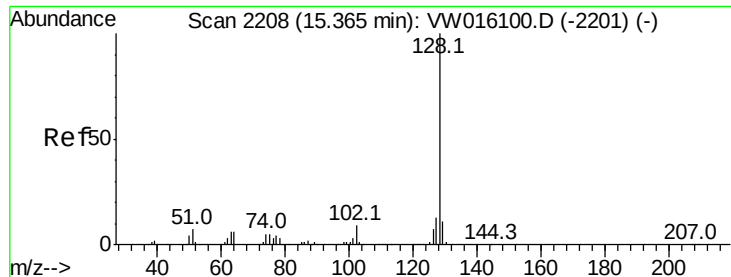
#68
 1,2,4-trichlorobenzene
 Concen: 4.207 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016099.D
 Acq: 10 Aug 2020 12:26

Tgt Ion:180 Resp: 26612
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.8 116.8
 145 34.9 26.5 39.7



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: 4.227 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

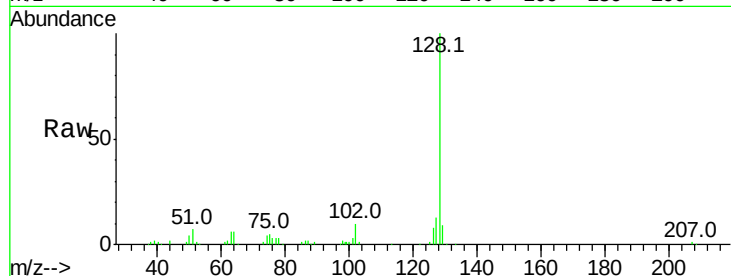
Tgt Ion:128 Resp: 50381

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

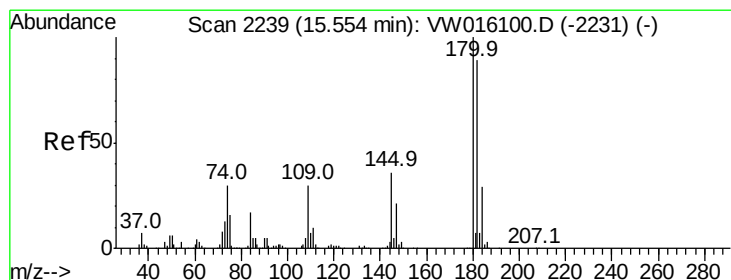
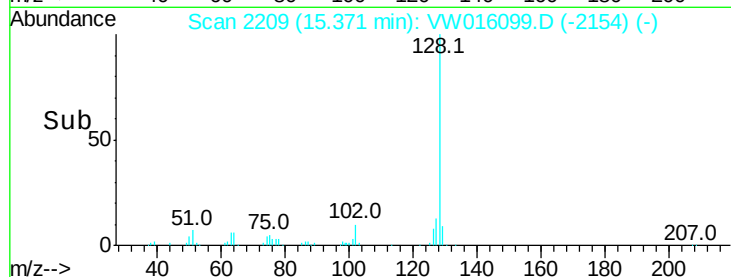
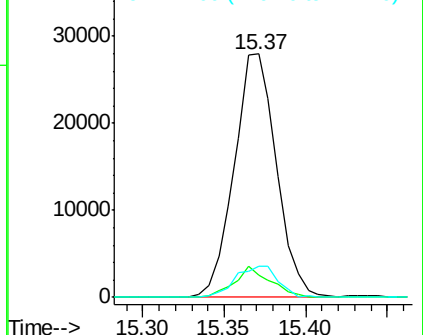
127 12.8 10.3 15.5



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: 4.289 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016099.D

Acq: 10 Aug 2020 12:26

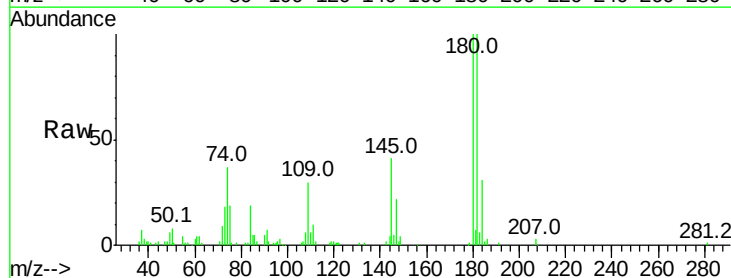
Tgt Ion:180 Resp: 24177

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 37.5 29.9 44.9



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

