

Data File : VW011570.D
Acq On : 30 Jul 2019 11:14
Operator : SY/VA
Sample : VSTD10027
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Quant Time: Jul 30 11:36:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 11:14:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	392013	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356716	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	166728	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	502509	96.02	ug/L	0.00
7) Chloroethane-d5	2.88	69	380598	99.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1221236	103.00	ug/L	0.00
20) 2-Butanone-d5	7.07	46	444072	199.26	ug/L	0.00
24) Chloroform-d	7.65	84	1037643	103.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	601027	100.69	ug/L	0.00
29) Benzene-d6	8.27	84	2082464	97.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	687602	99.47	ug/L	0.00
37) Toluene-d8	10.32	98	1891839	98.94	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	313780	105.08	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	312803	208.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	533895	96.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	601740	96.13	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	515079	107.712	ug/L	100
3) Chloromethane	2.21	50	599146	103.264	ug/L	99
5) Vinyl chloride	2.37	62	694571	101.647	ug/L	98
6) Bromomethane	2.77	94	335394	101.667	ug/L	99
8) Chloroethane	2.92	64	388290	106.711	ug/L	99
9) Trichlorofluoromethane	3.26	101	405710	124.833	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	565702	108.458	ug/L	97
12) 1,1-Dichloroethene	4.04	96	567321	108.957	ug/L	97
13) Acetone	4.12	43	440398	186.792	ug/L	98
14) Carbon disulfide	4.39	76	1870485	110.797	ug/L	100
15) Methyl Acetate	4.67	43	410549	113.405	ug/L	99
16) Methylene chloride	4.92	84	588835	103.188	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	929488	112.912	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	592954	110.430	ug/L	99
19) 1,1-Dichloroethane	6.21	63	1197311	112.261	ug/L	100
21) 2-Butanone	7.17	43	626379	206.730	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	638027	112.170	ug/L	98
23) Bromochloromethane	7.51	128	266932	112.284	ug/L	99
25) Chloroform	7.68	83	1082741	110.205	ug/L	100
27) 1,2-Dichloroethane	8.40	62	797372	111.352	ug/L	99
30) Cyclohexane	7.96	56	1253802	107.907	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	861308	108.468	ug/L	98
32) Carbon tetrachloride	8.07	117	821323	111.302	ug/L	100
34) Benzene	8.32	78	2455818	106.056	ug/L	100
35) Trichloroethene	9.09	95	630024	107.049	ug/L	100
36) Methylcyclohexane	9.34	83	1146303	107.112	ug/L	99
40) 1,2-Dichloropropane	9.37	63	669633	107.638	ug/L	100
41) Bromodichloromethane	9.65	83	815149	112.066	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1072260	114.723	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1170097	219.700	ug/L	100

Data File : VW011570.D
Acq On : 30 Jul 2019 11:14
Operator : SY/VA
Sample : VSTD10027
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Quant Time: Jul 30 11:36:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 11:14:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2561287	107.839	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	880035	114.569	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	449465	107.933	ug/L	98
47) Tetrachloroethene	10.86	164	480679	106.456	ug/L	95
49) 2-Hexanone	10.97	43	876925	218.131	ug/L	99
50) Dibromochloromethane	11.13	129	533405	115.715	ug/L	96
51) 1,2-Dibromoethane	11.24	107	441992	109.749	ug/L	99
52) Chlorobenzene	11.66	112	1536920	107.302	ug/L	98
53) Ethylbenzene	11.73	91	2876492	107.610	ug/L	99
54) m,p-Xylene	11.84	106	1050827	107.339	ug/L	96
55) o-xylene	12.16	106	1002980	108.701	ug/L	98
56) Styrene	12.18	104	1721323	110.896	ug/L	98
57) Isopropylbenzene	12.46	105	2715695	108.054	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	571422	105.634	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	431140	104.317	ug/L	99
62) Bromoform	12.35	173	313676	118.865	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1147725	108.708	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1131256	105.492	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1027752	105.794	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	98975	106.888	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	843594	104.741	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	722811	108.288	ug/L	99
69) Naphthalene	15.37	128	1461420	107.557	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	646123	106.849	ug/L	99

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

Data File : VW011570.D

Acq On : 30 Jul 2019 11:14

Operator : SY/VA

Sample : VSTD10027

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

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

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

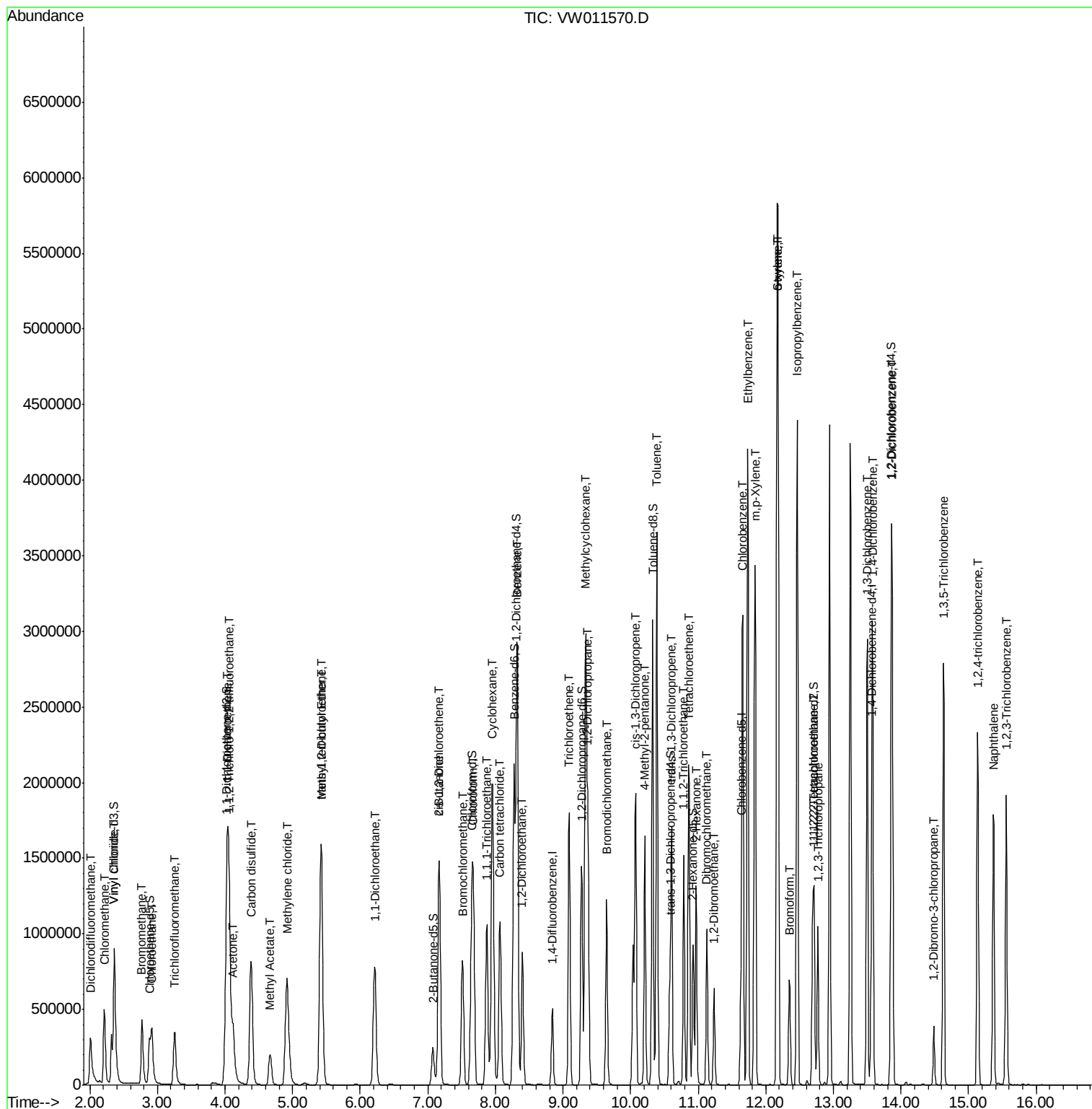
Quant Time: Jul 30 11:36:54 2019

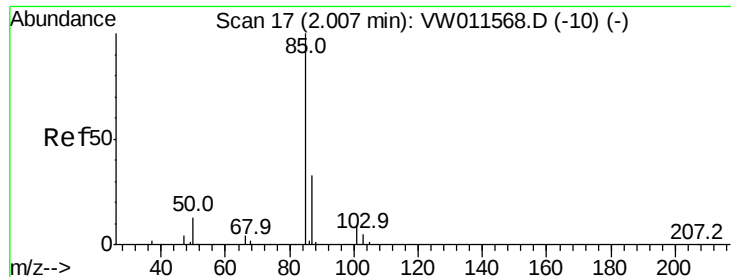
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M

Quant Title : VOC Analysis

QLast Update : Tue Jul 30 11:14:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 107.712 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

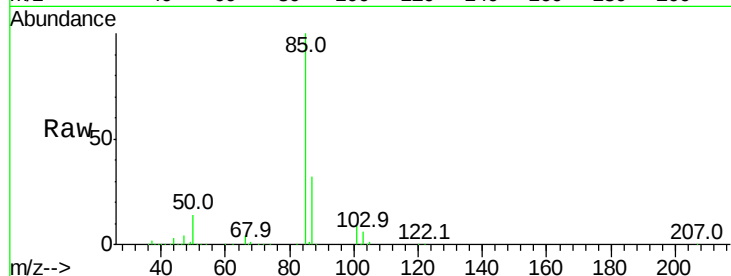
VSTD10003

Tgt Ion: 85 Resp: 515079

Ion Ratio Lower Upper

85 100

87 31.2 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

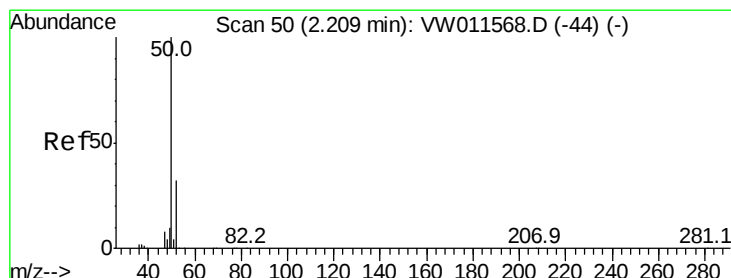
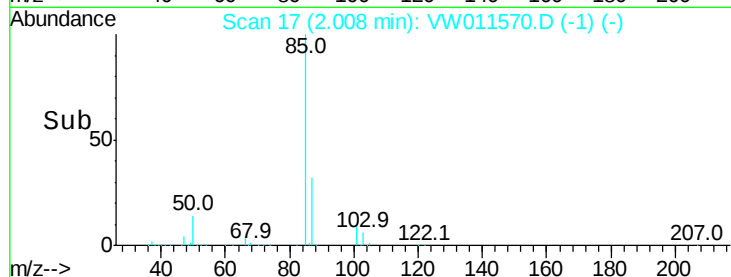
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 103.264 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011570.D

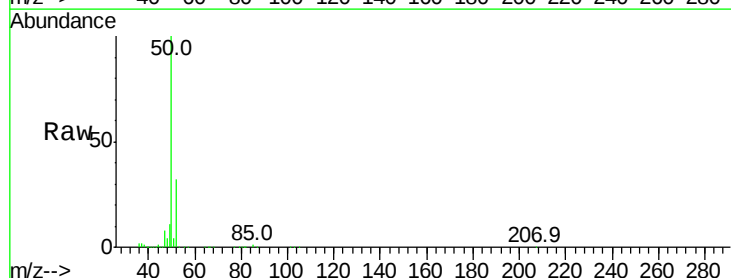
Acq: 30 Jul 2019 11:14

Tgt Ion: 50 Resp: 599146

Ion Ratio Lower Upper

50 100

52 31.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

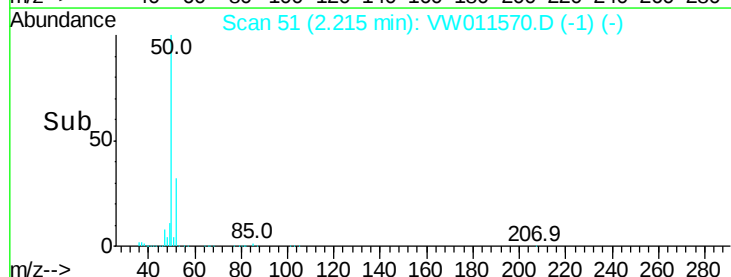
300000

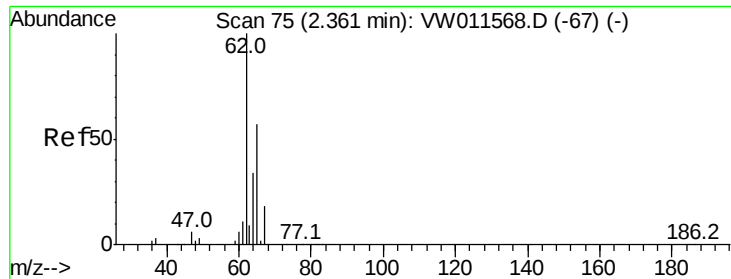
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 101.647 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

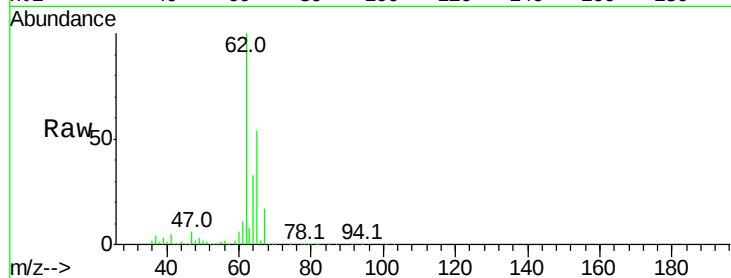
VSTD10003

Tgt Ion: 62 Resp: 694571

Ion Ratio Lower Upper

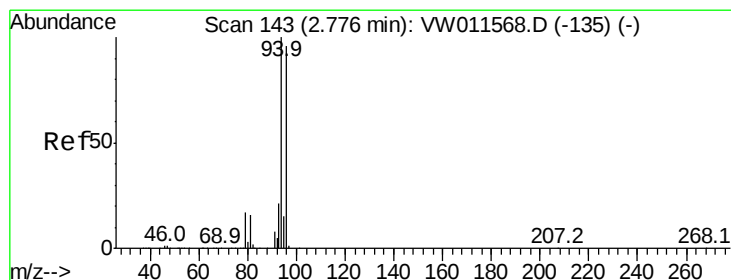
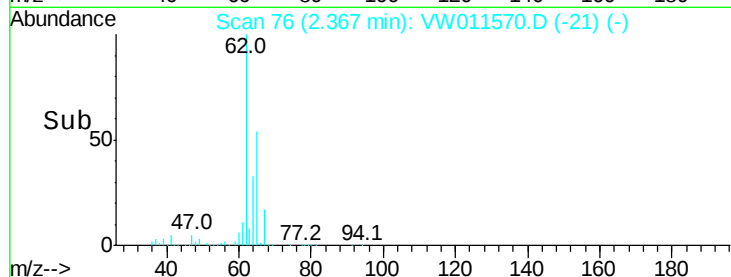
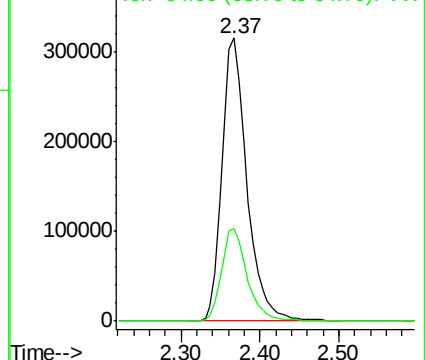
62 100

64 32.8 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 101.667 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011570.D

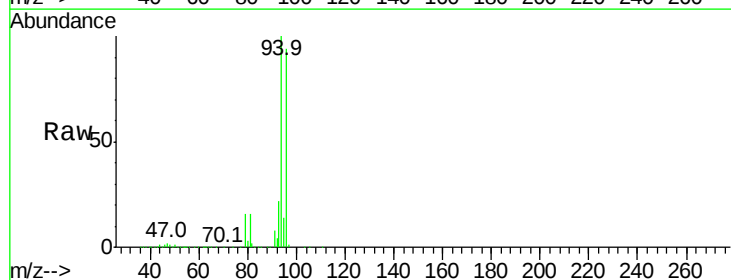
Acq: 30 Jul 2019 11:14

Tgt Ion: 94 Resp: 335394

Ion Ratio Lower Upper

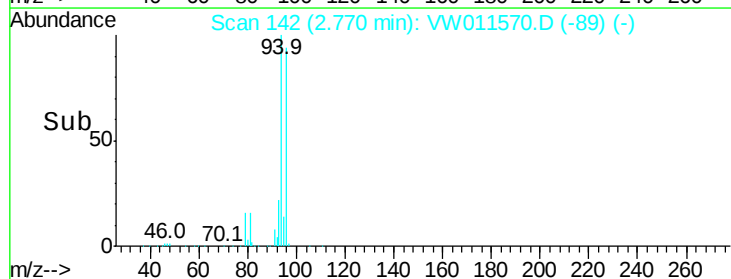
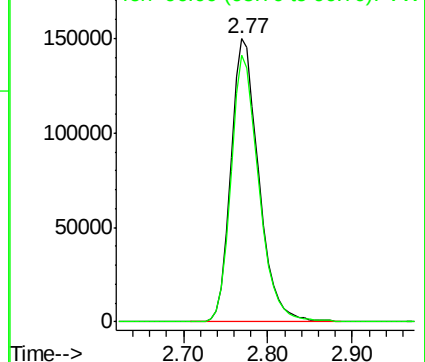
94 100

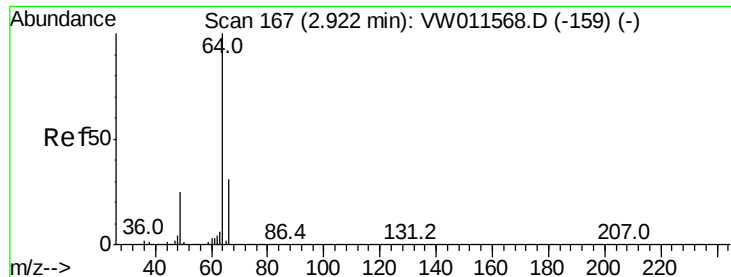
96 93.6 9.3 175.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 106.711 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

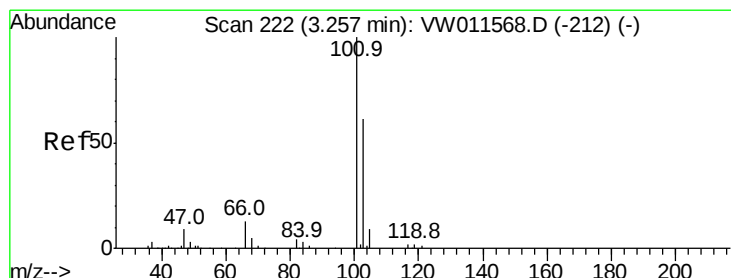
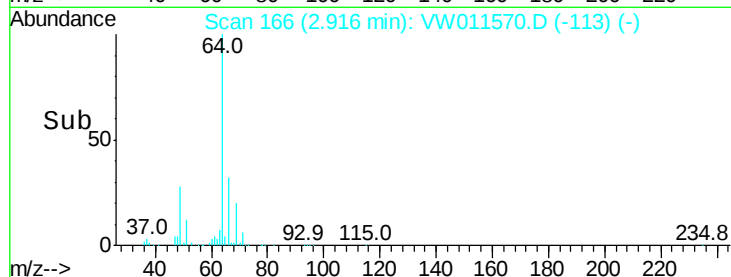
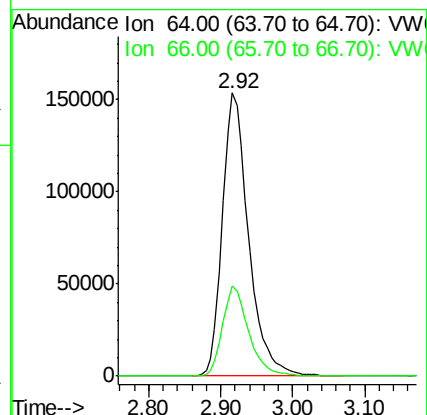
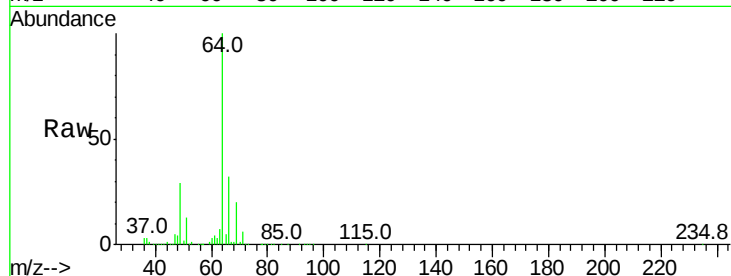
VSTD10003

Tgt Ion: 64 Resp: 388290

Ion Ratio Lower Upper

64 100

66 32.0 22.0 40.8



#9

Trichlorofluoromethane

Concen: 124.833 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011570.D

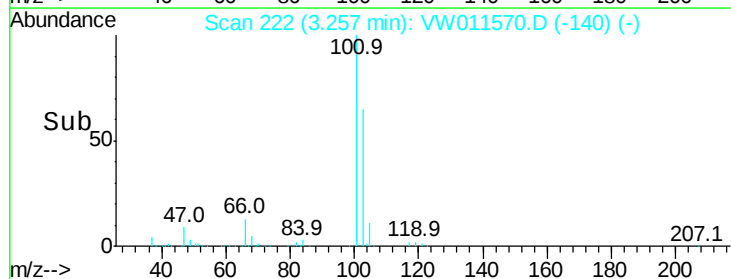
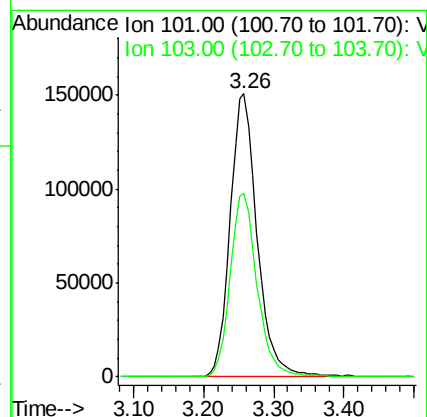
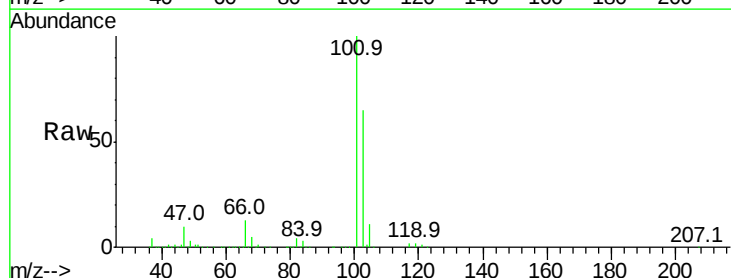
Acq: 30 Jul 2019 11:14

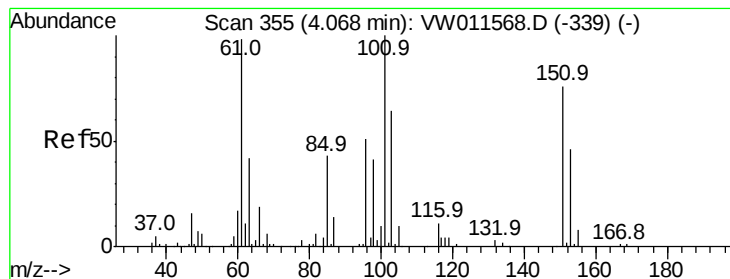
Tgt Ion: 101 Resp: 405710

Ion Ratio Lower Upper

101 100

103 64.6 44.3 82.3





#11

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

Concen: 108.458 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

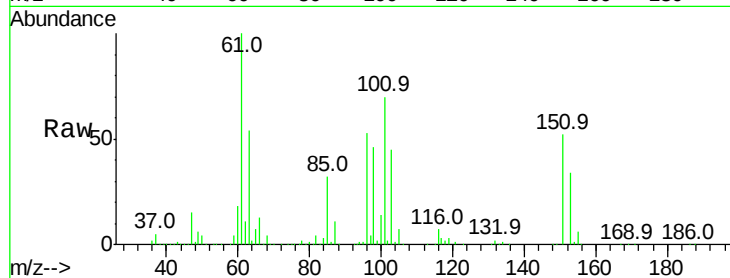
Tgt Ion: 101 Resp: 565702

Ion Ratio Lower Upper

101 100

85 44.5 37.0 55.4

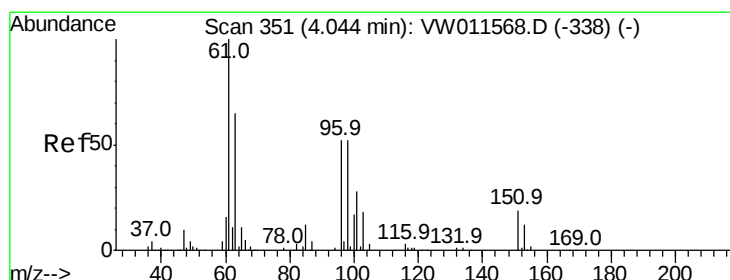
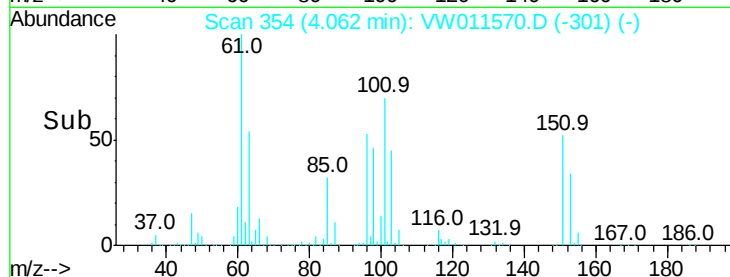
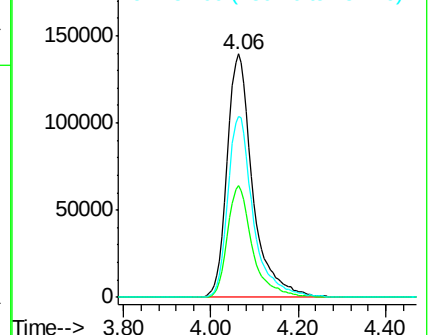
151 73.5 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 108.957 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

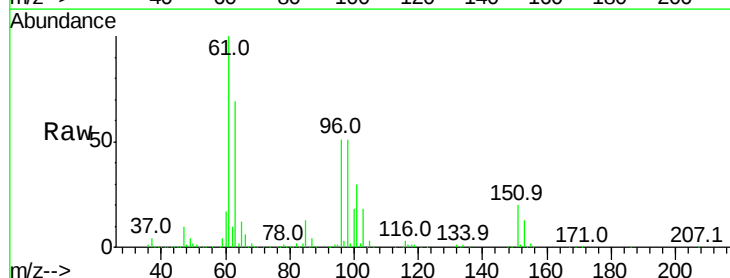
Tgt Ion: 96 Resp: 567321

Ion Ratio Lower Upper

96 100

61 195.4 135.0 250.8

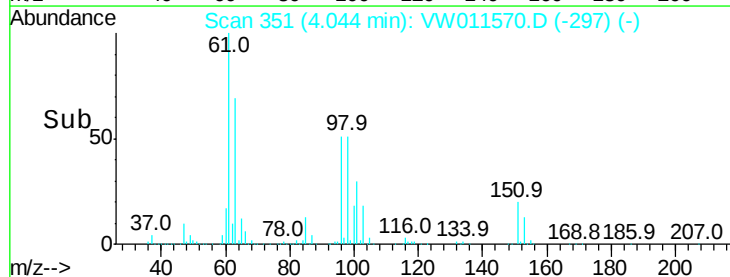
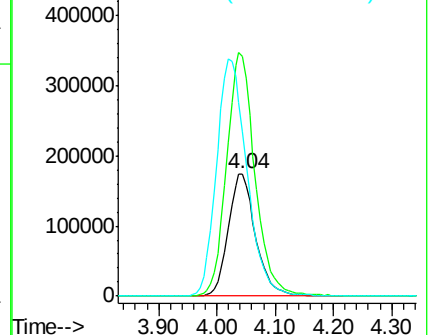
63 133.9 89.2 165.8

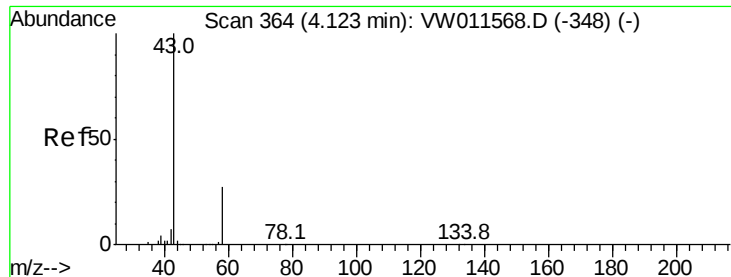


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 186.792 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

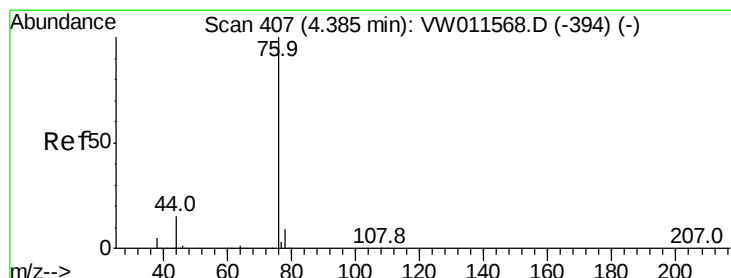
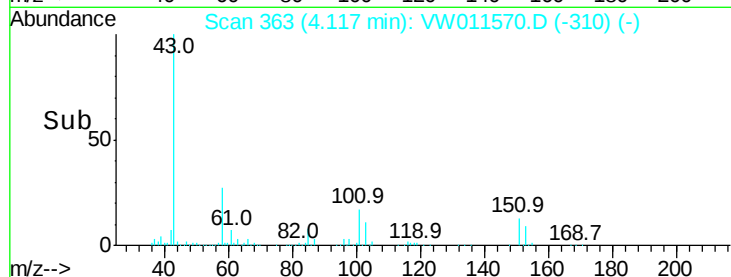
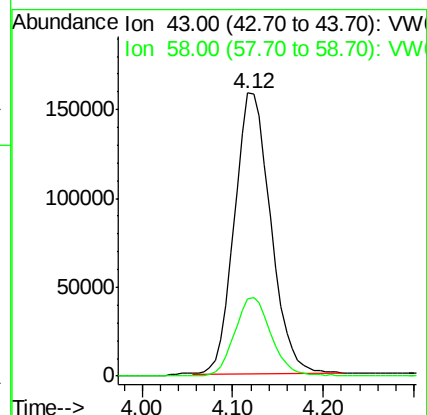
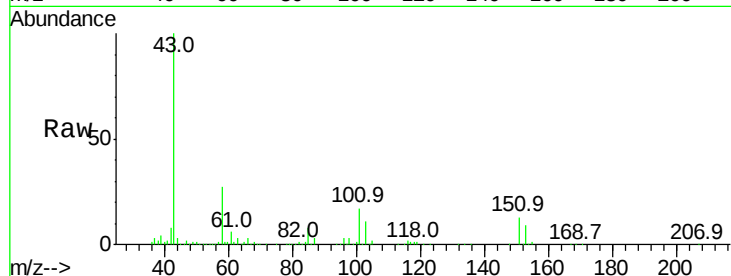
VSTD10003

Tgt Ion: 43 Resp: 440398

Ion Ratio Lower Upper

43 100

58 27.6 0.0 53.4



#14

Carbon disulfide

Concen: 110.797 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011570.D

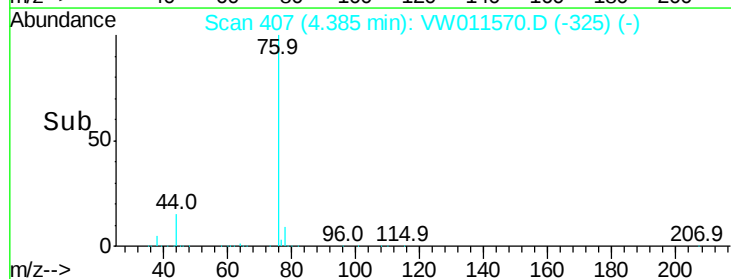
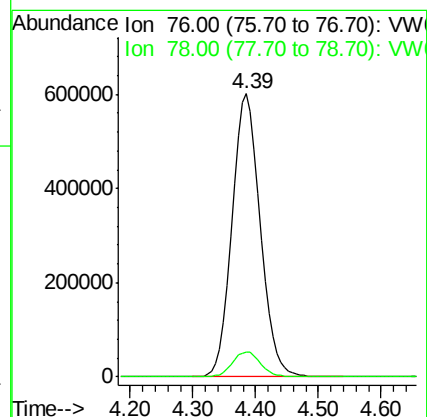
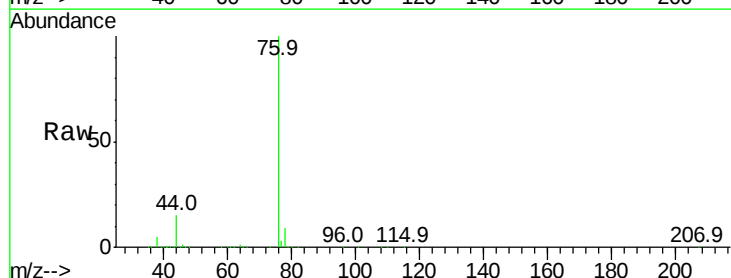
Acq: 30 Jul 2019 11:14

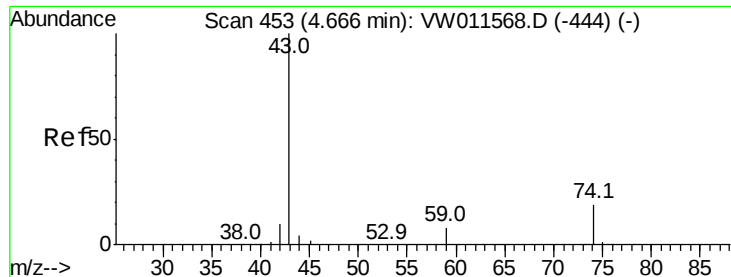
Tgt Ion: 76 Resp: 1870485

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methyl Acetate

Concen: 113.405 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

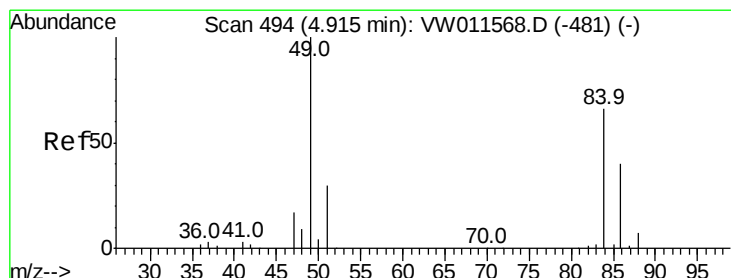
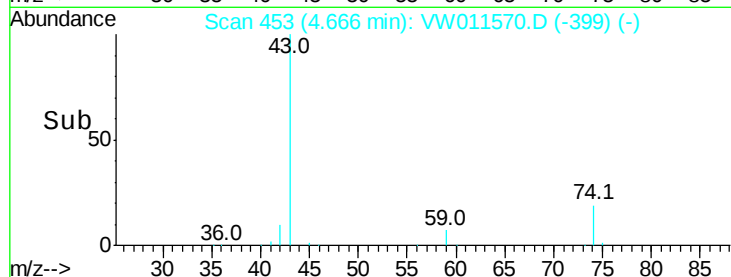
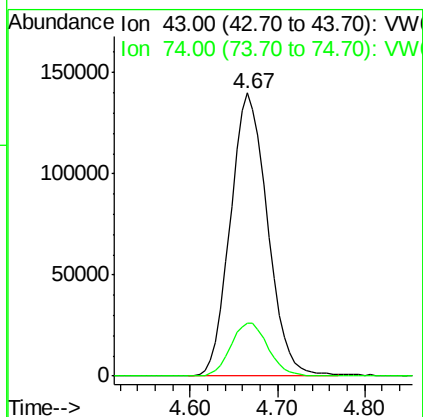
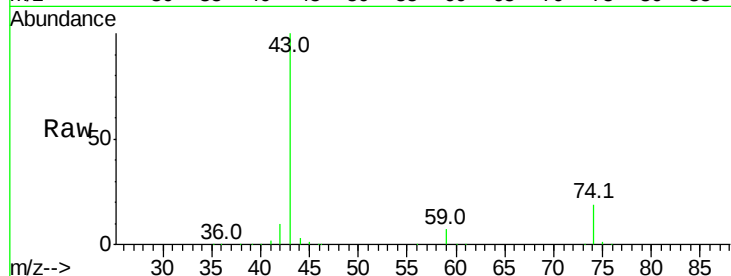
VSTD10003

Tgt Ion: 43 Resp: 410549

Ion Ratio Lower Upper

43 100

74 19.0 15.0 22.4



#16

Methylene chloride

Concen: 103.188 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

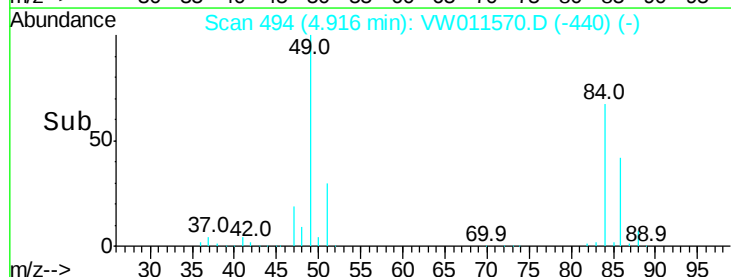
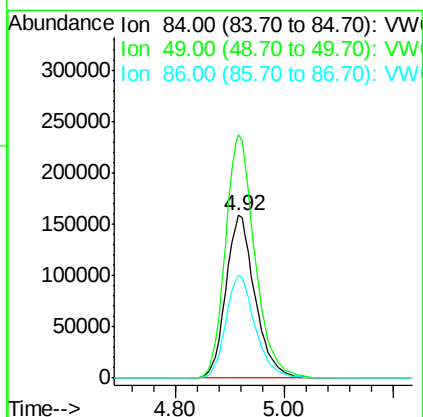
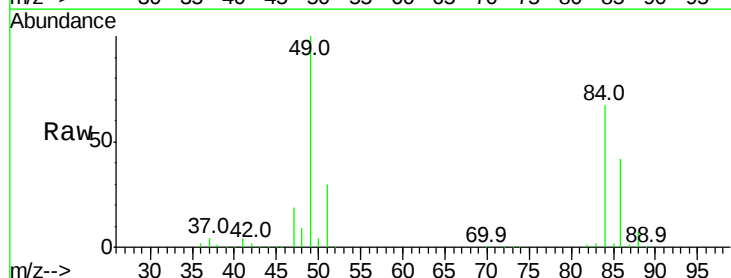
Tgt Ion: 84 Resp: 588835

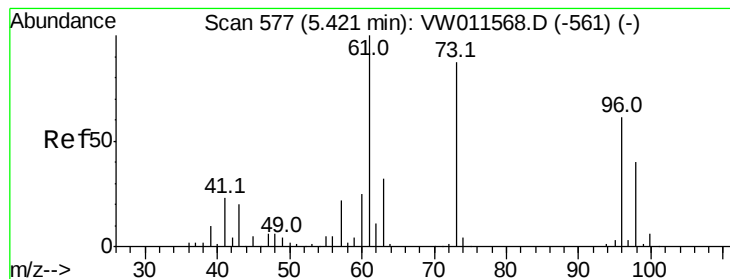
Ion Ratio Lower Upper

84 100

49 149.5 106.8 198.4

86 63.1 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 112.912 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

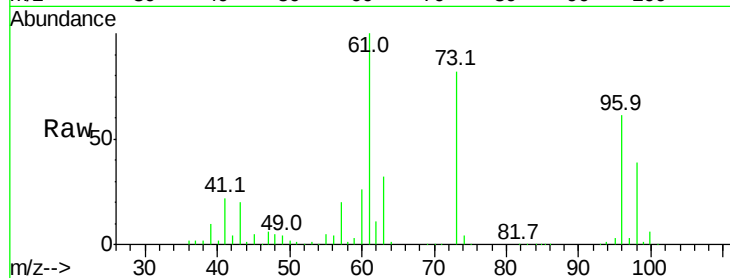
Tgt Ion: 73 Resp: 929488

Ion Ratio Lower Upper

73 100

43 23.7 19.3 28.9

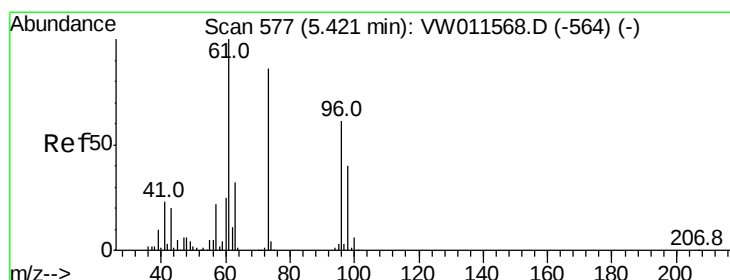
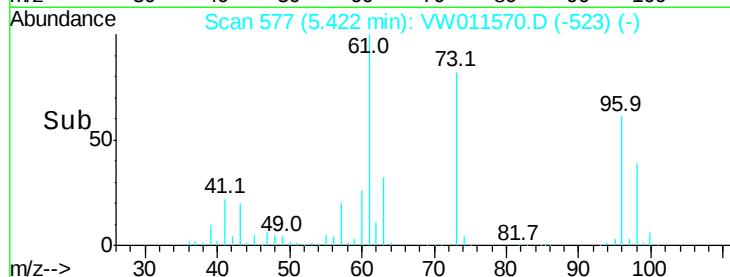
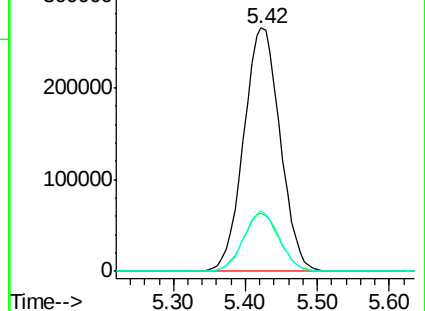
57 24.2 19.7 29.5



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: 110.430 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

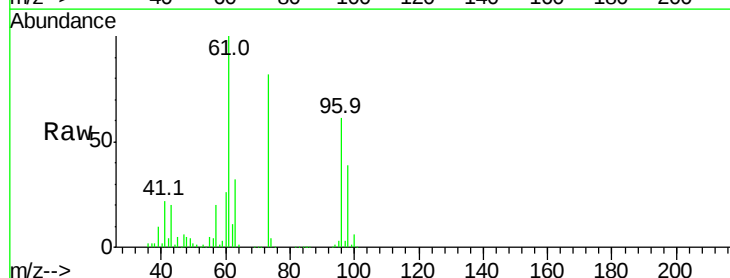
Tgt Ion: 96 Resp: 592954

Ion Ratio Lower Upper

96 100

61 162.6 114.2 212.0

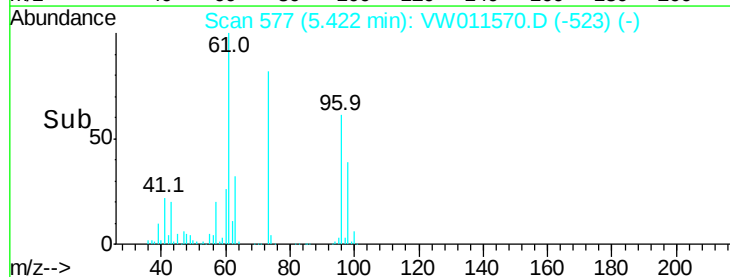
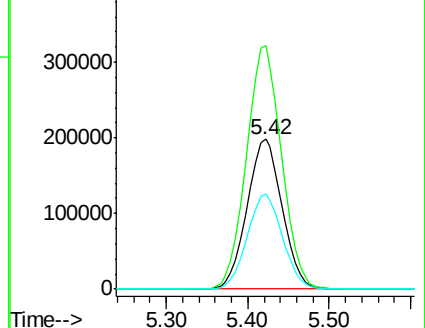
98 63.4 45.6 84.6

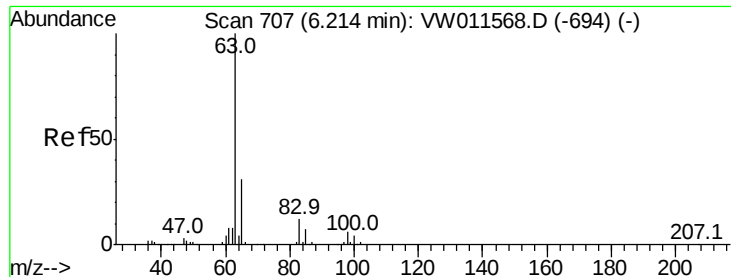


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

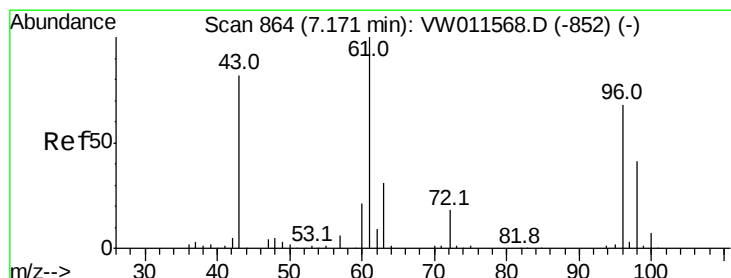
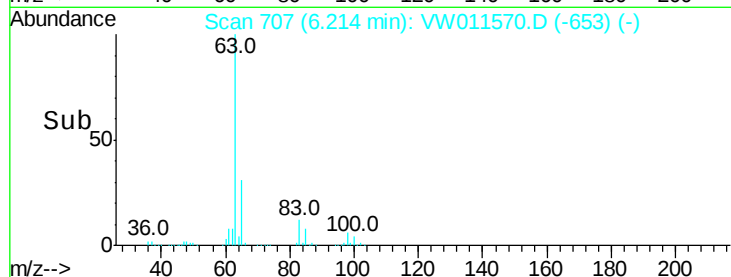
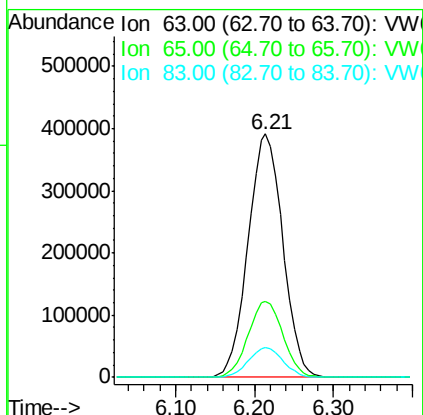
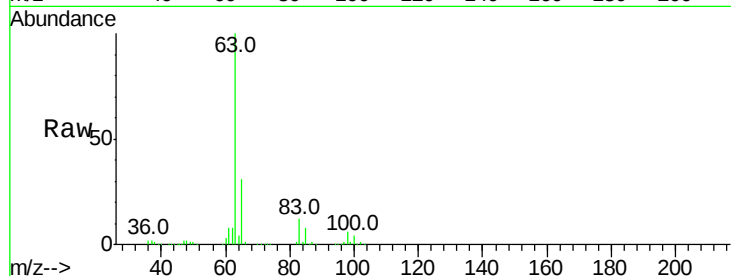




#19
 1,1-Dichloroethane
 Concen: 112.261 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

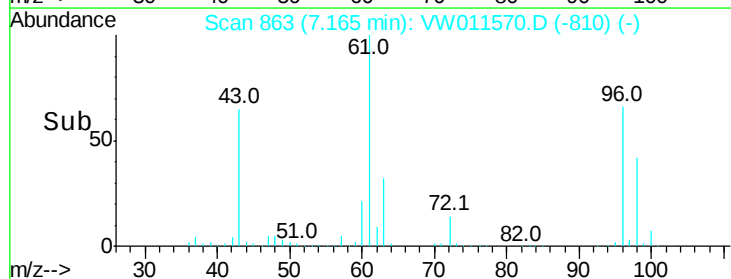
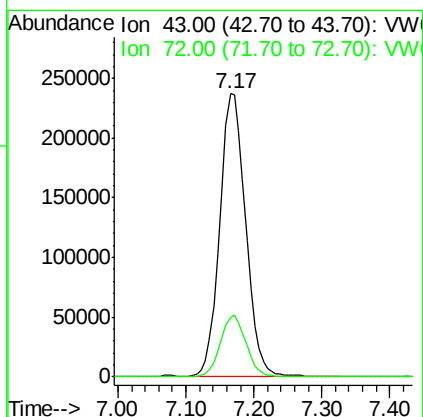
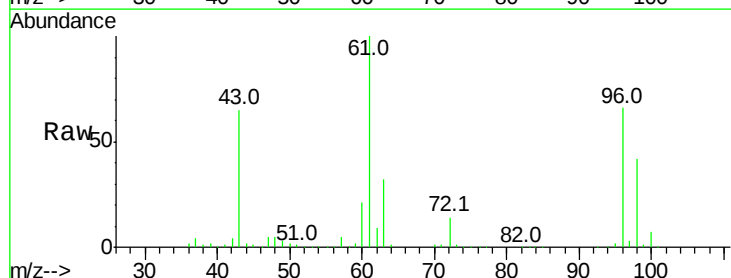
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

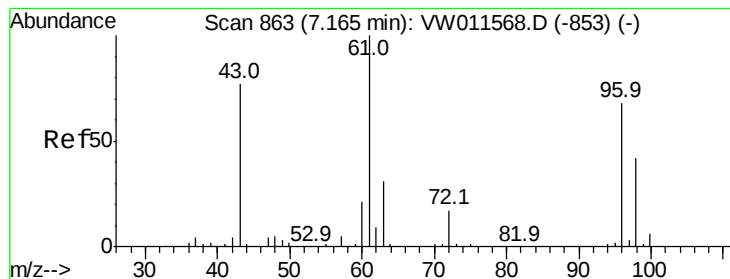
Tgt Ion: 63 Resp: 1197311
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.7 40.3
 83 12.3 8.4 15.6



#21
 2-Butanone
 Concen: 206.730 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Tgt Ion: 43 Resp: 626379
 Ion Ratio Lower Upper
 43 100
 72 21.6 10.7 32.1



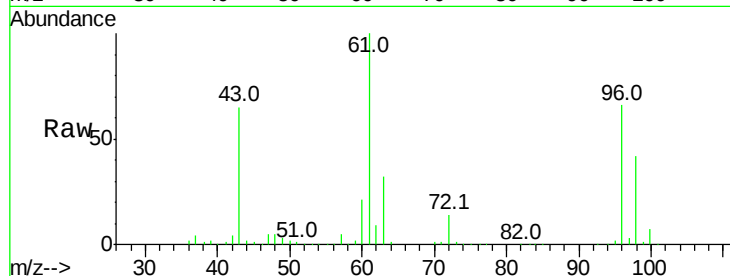


#22

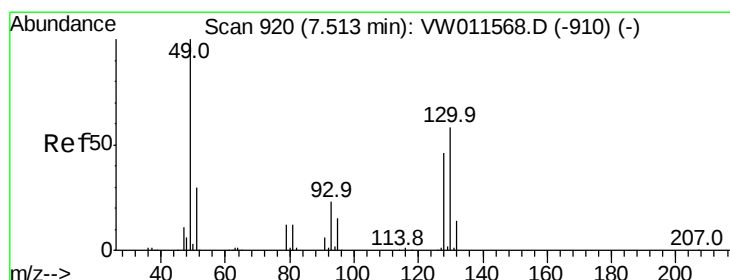
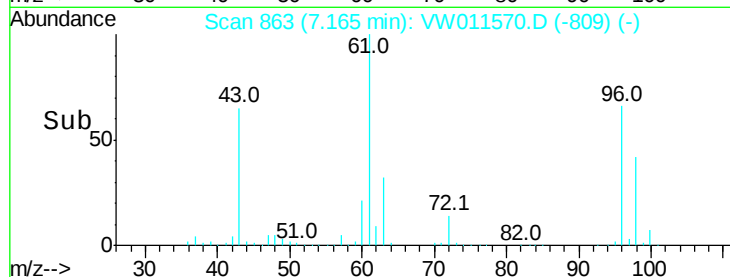
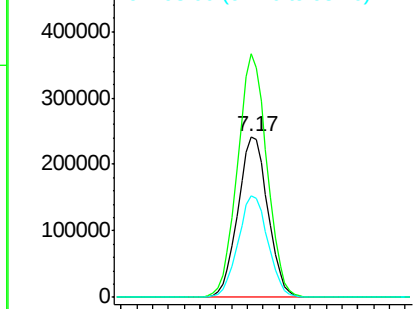
cis-1,2-Dichloroethene
Concen: 112.170 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Tgt Ion: 96 Resp: 638027
Ion Ratio Lower Upper
96 100
61 151.4 103.9 192.9
98 63.2 43.5 80.9



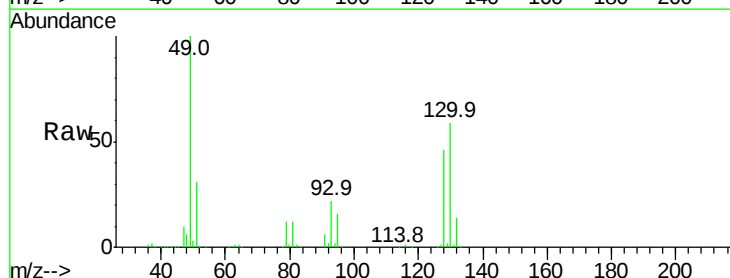
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



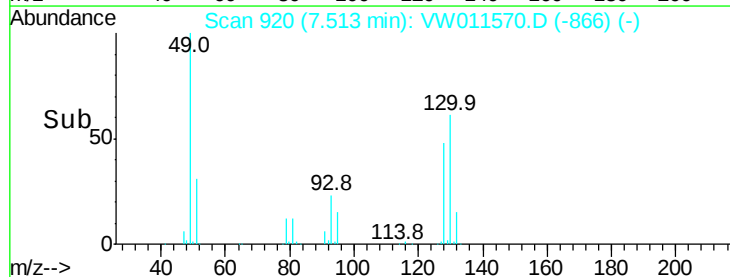
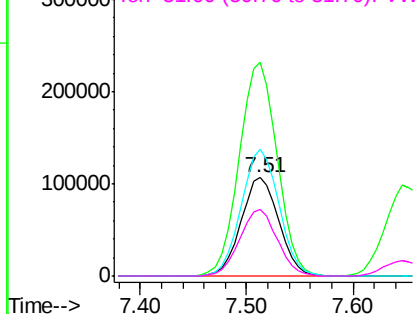
#23

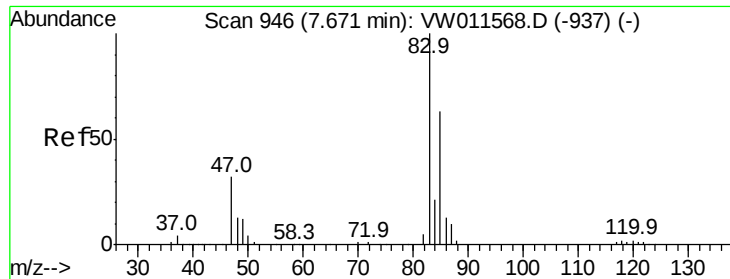
Bromochloromethane
Concen: 112.284 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

Tgt Ion: 128 Resp: 266932
Ion Ratio Lower Upper
128 100
49 217.0 153.6 285.3
130 128.5 89.5 166.3
51 67.4 53.0 79.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

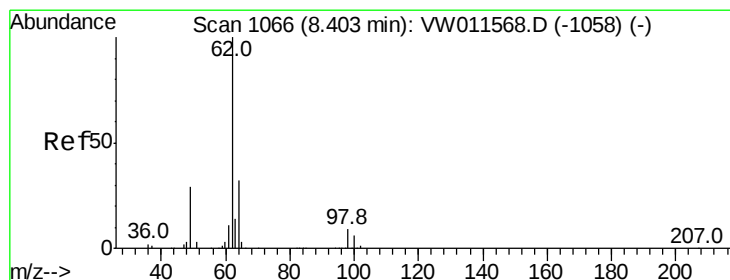
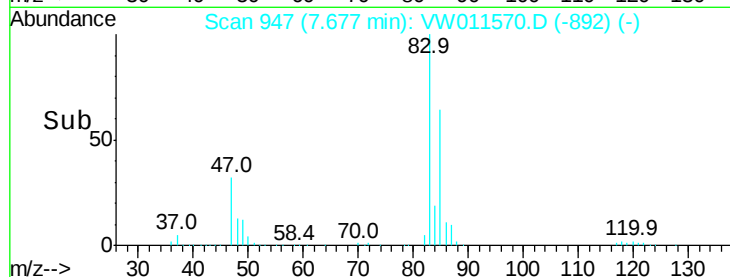
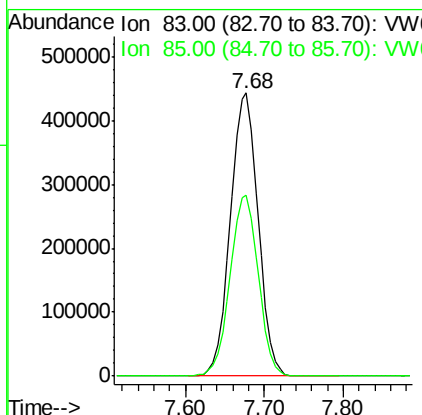
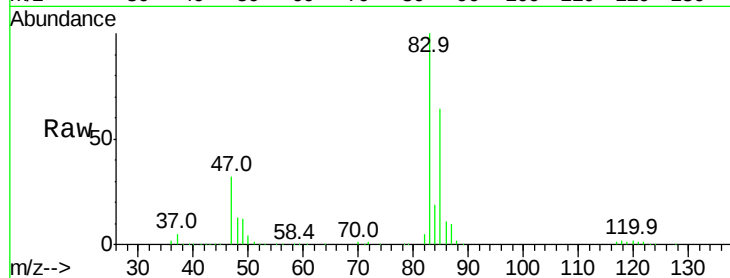




#25
Chloroform
Concen: 110.205 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

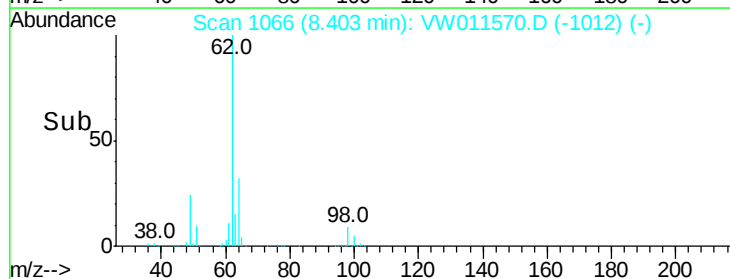
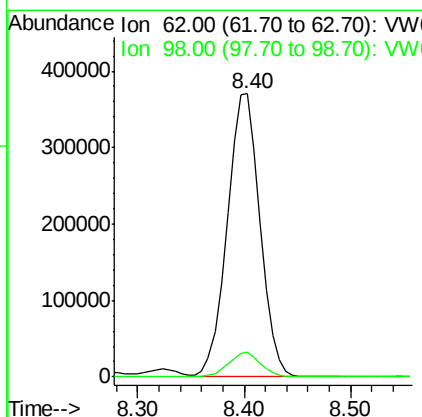
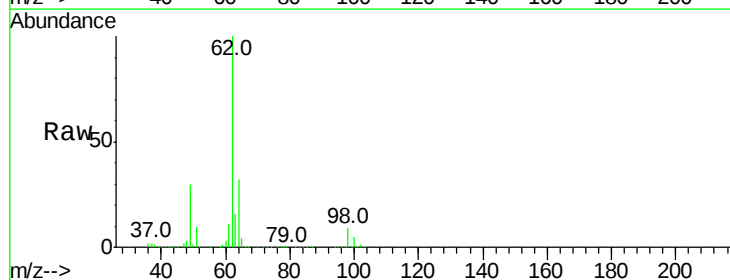
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

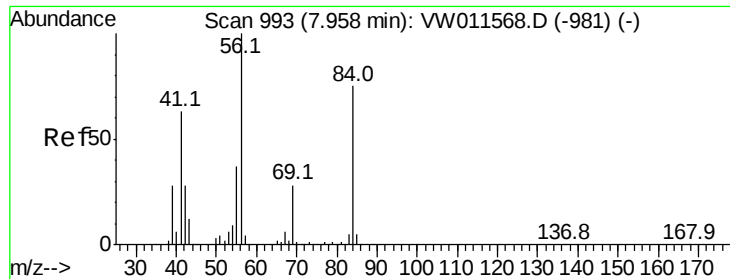
Tgt Ion: 83 Resp: 1082741
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 111.352 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

Tgt Ion: 62 Resp: 797372
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8

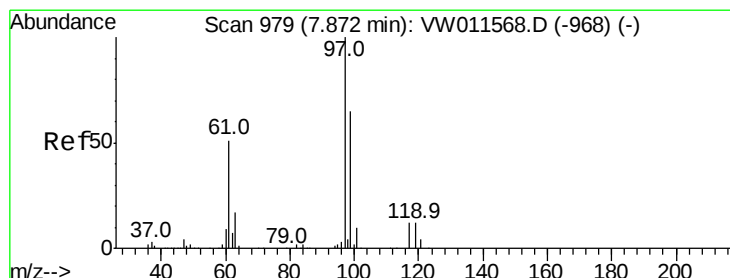
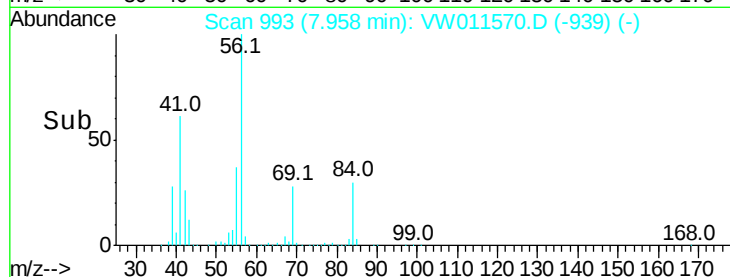
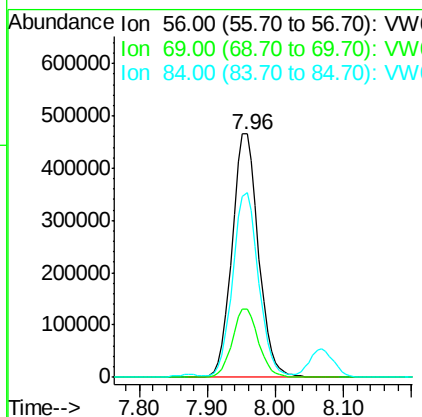
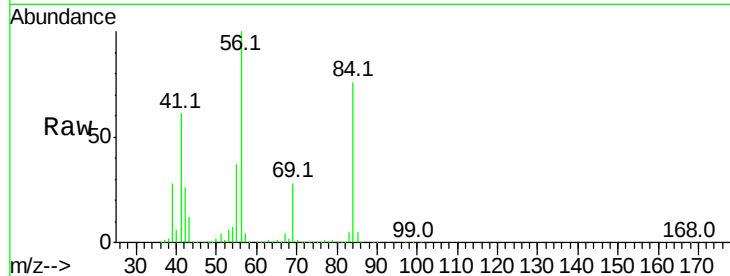




#30
Cyclohexane
Concen: 107.907 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

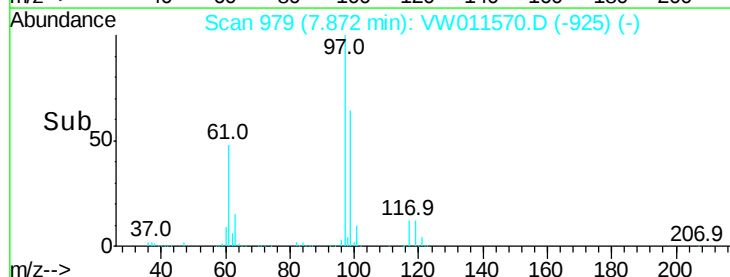
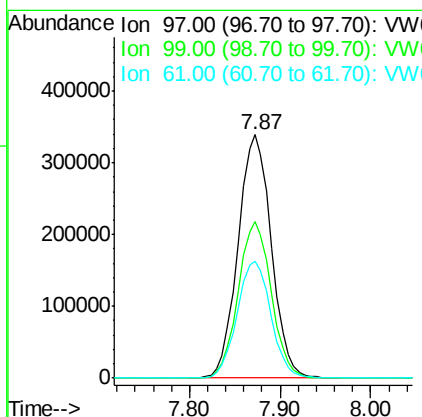
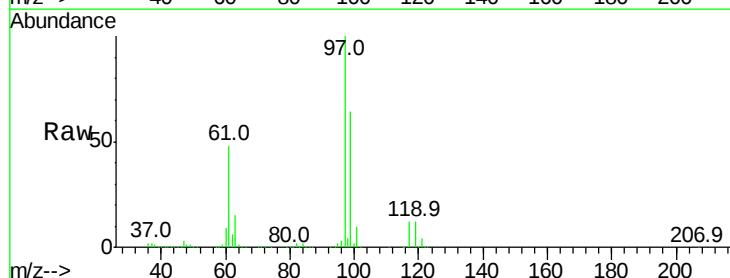
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

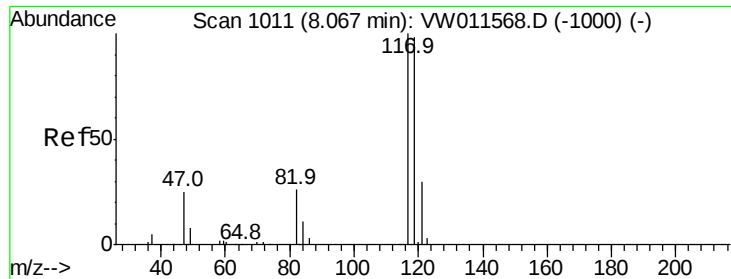
Tgt Ion: 56 Resp: 1253802
Ion Ratio Lower Upper
56 100
69 27.9 22.4 33.6
84 75.0 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 108.468 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

Tgt Ion: 97 Resp: 861308
Ion Ratio Lower Upper
97 100
99 64.0 52.1 78.1
61 48.8 40.3 60.5





#32

Carbon tetrachloride

Concen: 111.302 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

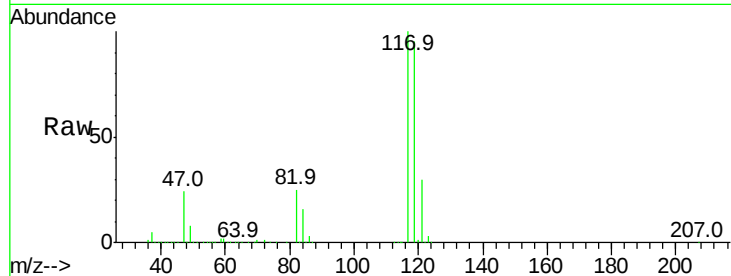
VSTD10003

Tgt Ion:117 Resp: 821323

Ion Ratio Lower Upper

117 100

119 95.7 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

300000

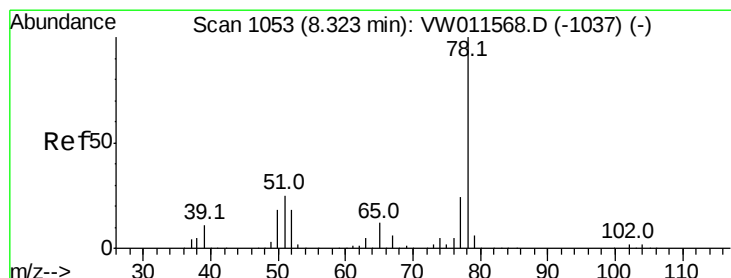
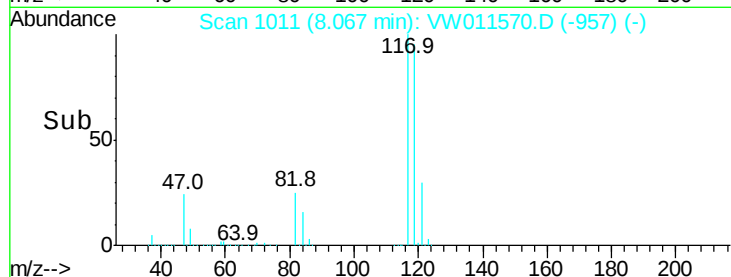
200000

100000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 106.056 ug/L

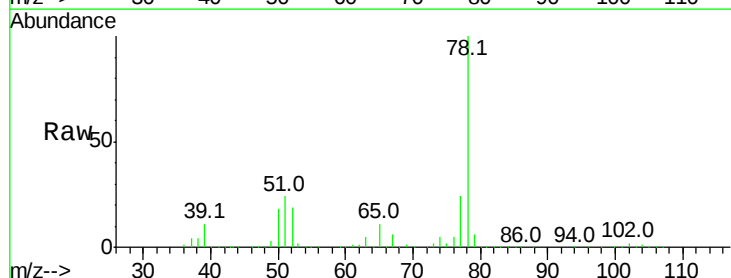
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Tgt Ion: 78 Resp: 2455818



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

1200000

1000000

800000

600000

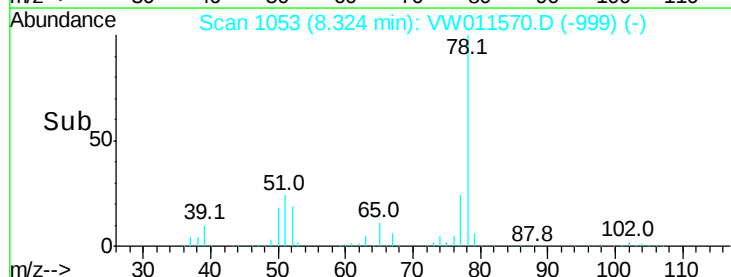
400000

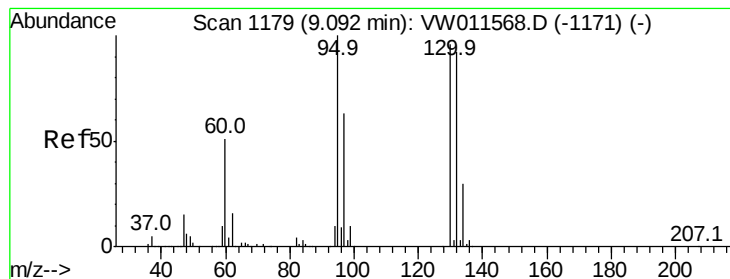
200000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 107.049 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

Tgt Ion: 95 Resp: 630024

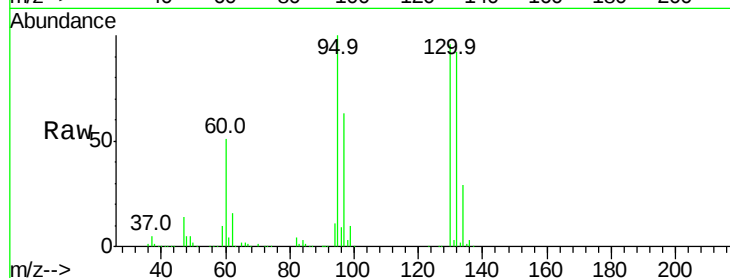
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 92.7 65.0 120.6

130 96.5 68.0 126.4

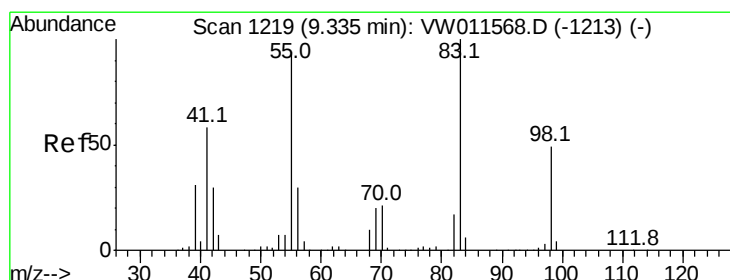
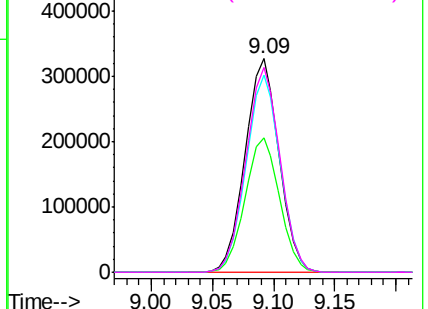
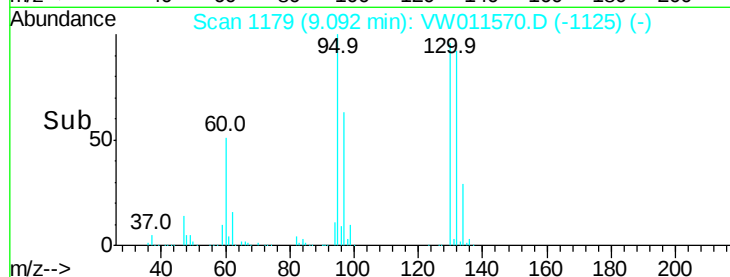


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 107.112 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

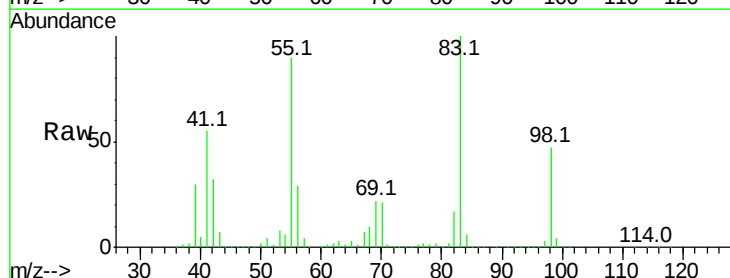
Tgt Ion: 83 Resp: 1146303

Ion Ratio Lower Upper

83 100

55 89.7 72.6 108.8

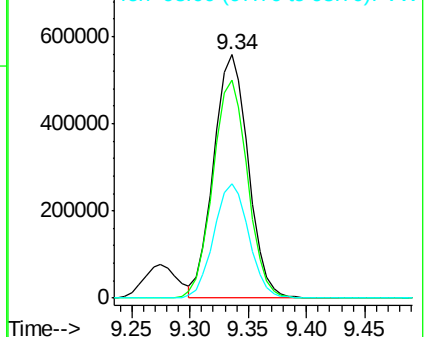
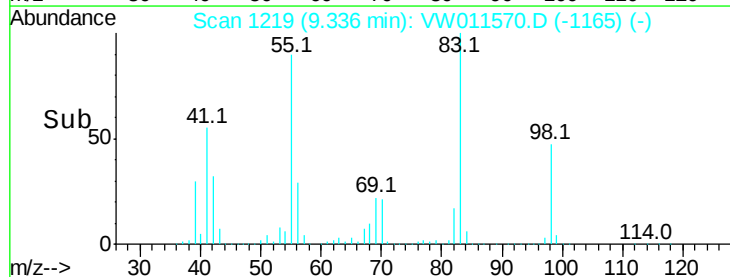
98 47.3 37.8 56.6

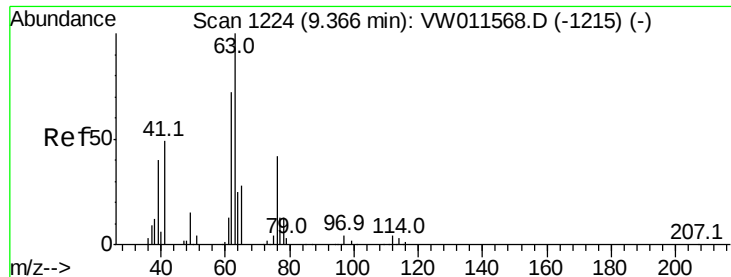


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 107.638 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

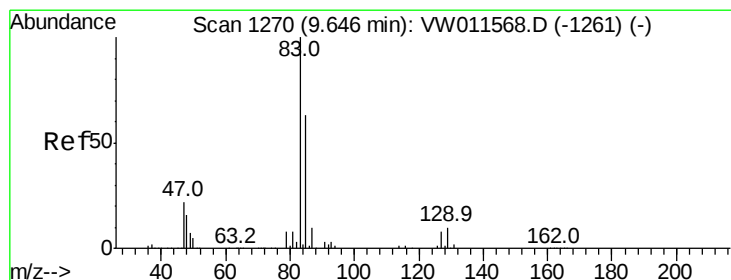
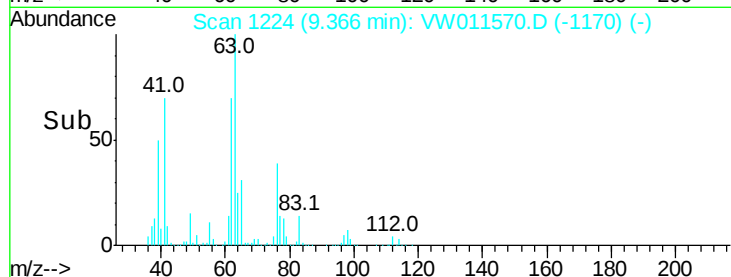
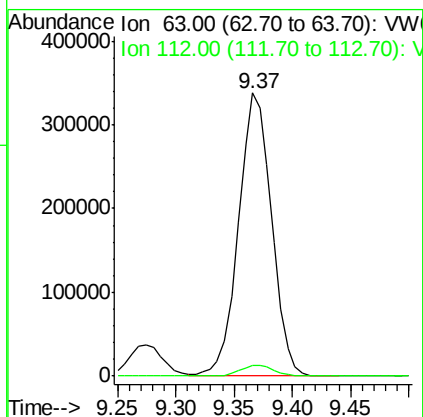
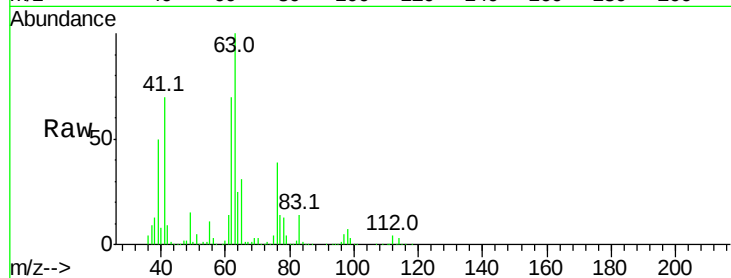
VSTD10003

Tgt Ion: 63 Resp: 669633

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#41

Bromodichloromethane

Concen: 112.066 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

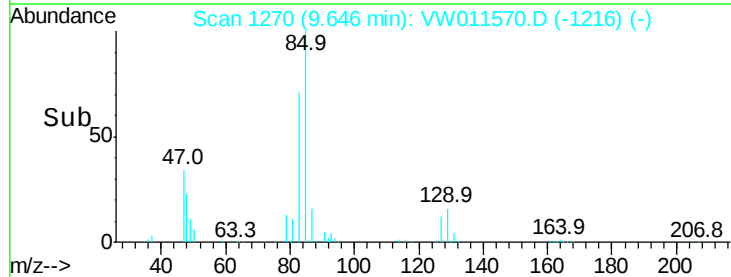
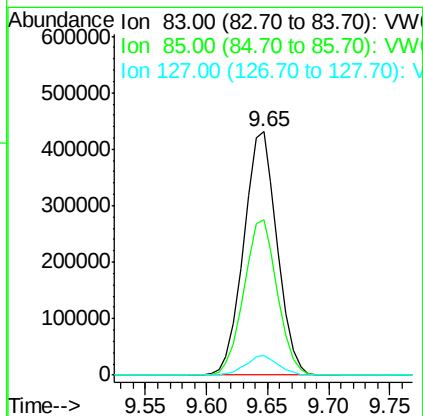
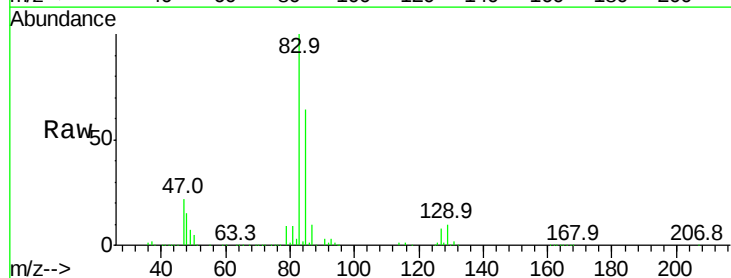
Tgt Ion: 83 Resp: 815149

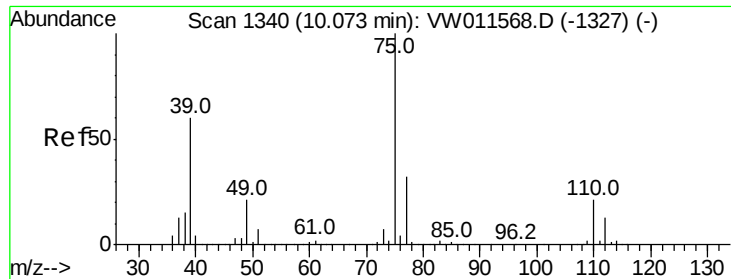
Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

127 7.8 6.5 9.7

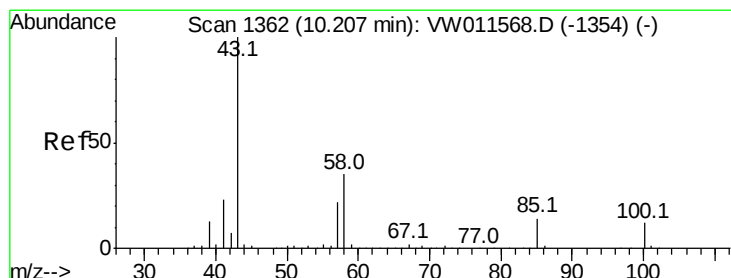
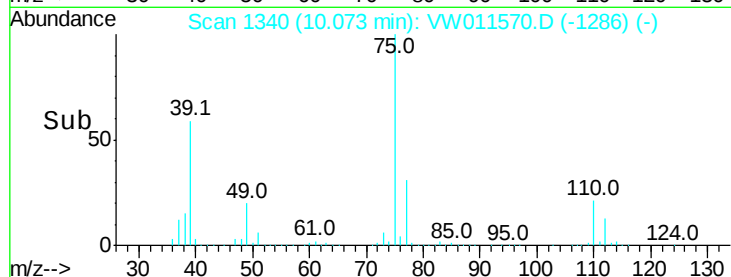
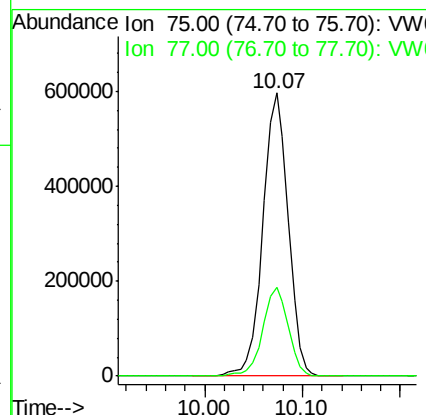
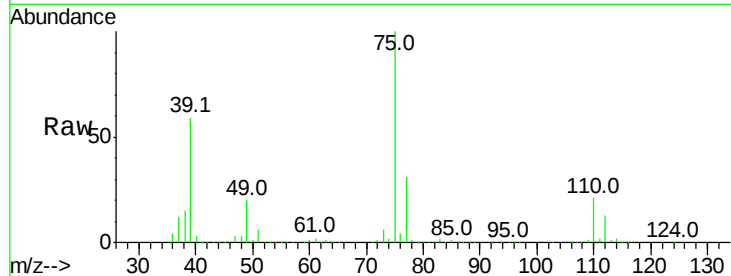




#42
 cis-1,3-Dichloropropene
 Concen: 114.723 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

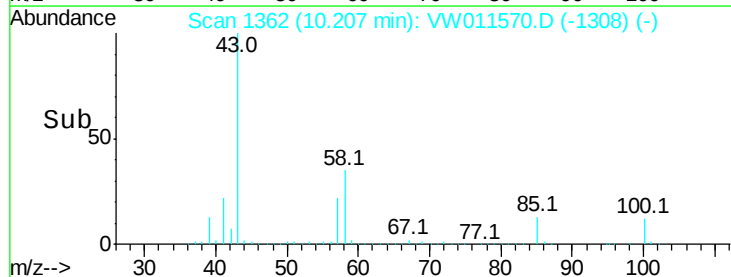
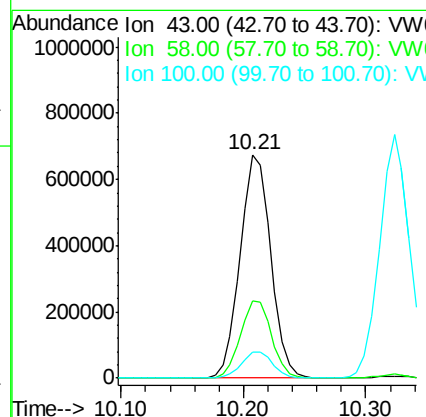
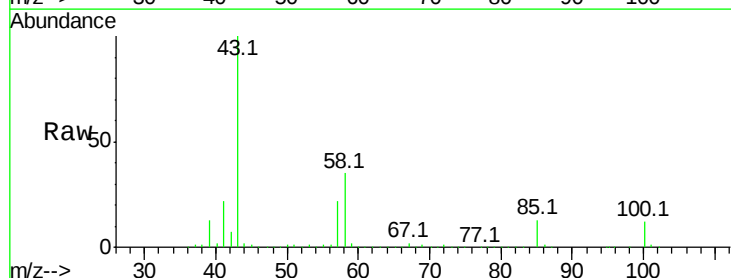
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

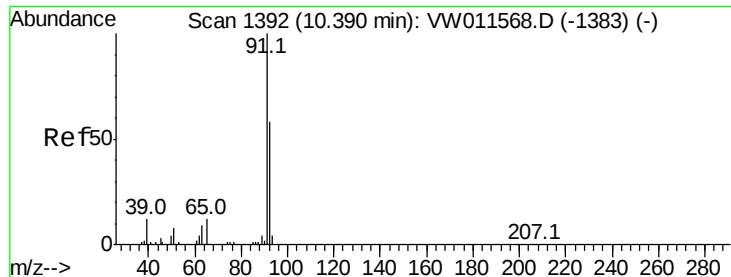
Tgt Ion: 75 Resp: 1072260
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 219.700 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Tgt Ion: 43 Resp: 1170097
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0
 100 12.1 9.4 14.2





#44

Toluene

Concen: 107.839 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

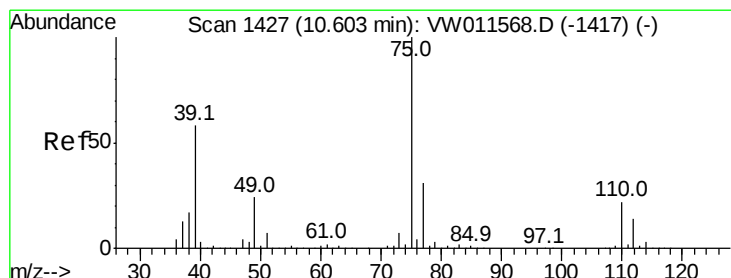
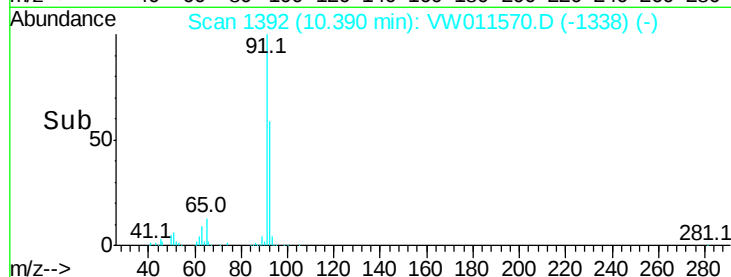
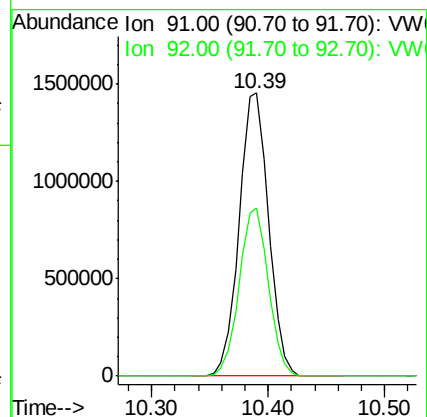
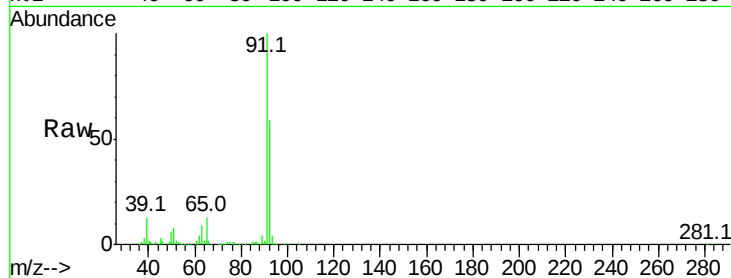
VSTD10003

Tgt Ion: 91 Resp: 2561287

Ion Ratio Lower Upper

91 100

92 59.3 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 114.569 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011570.D

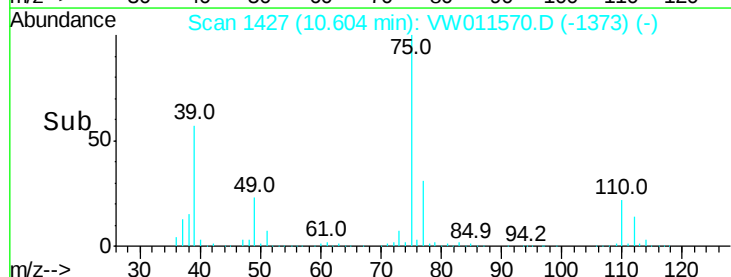
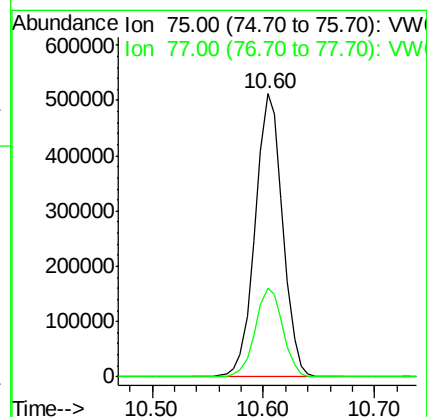
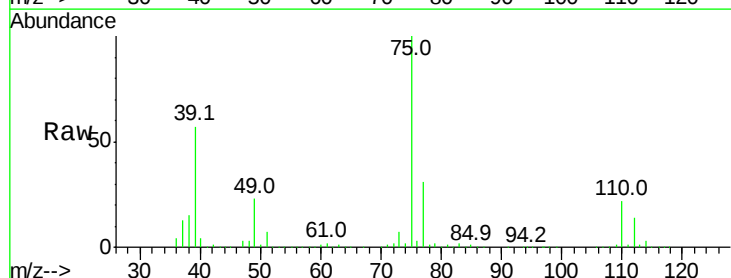
Acq: 30 Jul 2019 11:14

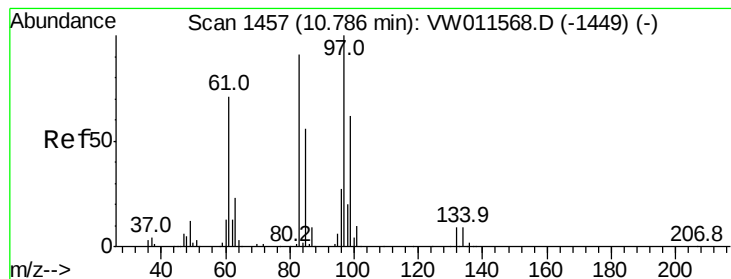
Tgt Ion: 75 Resp: 880035

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 107.933 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

Tgt Ion: 97 Resp: 449465

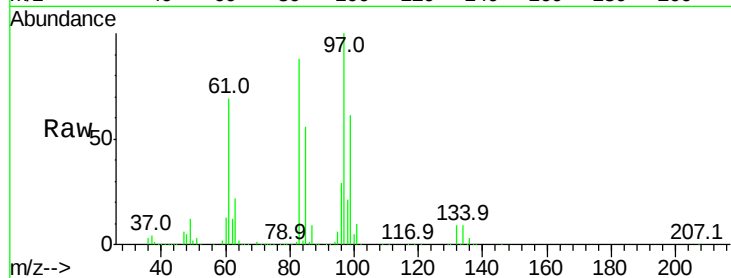
Ion Ratio Lower Upper

97 100

83 87.6 63.8 118.6

85 56.0 39.3 72.9

99 60.9 43.5 80.7



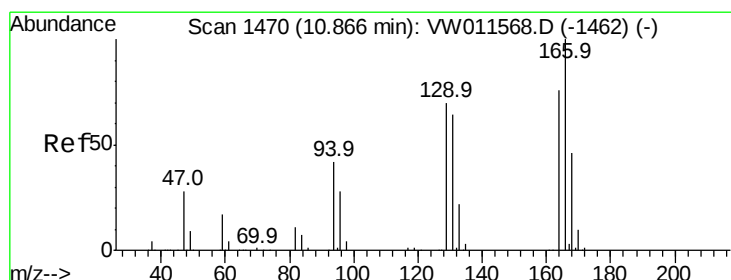
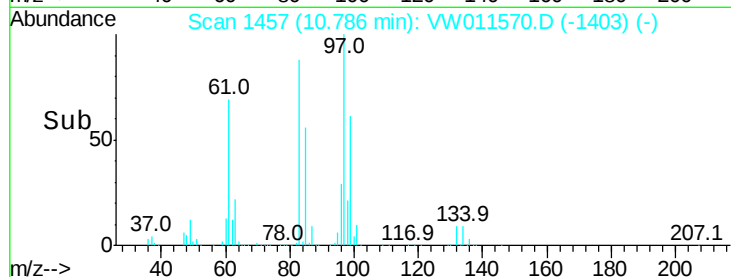
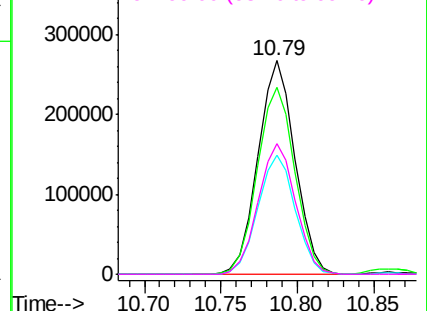
Abundance

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: 106.456 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Tgt Ion: 164 Resp: 480679

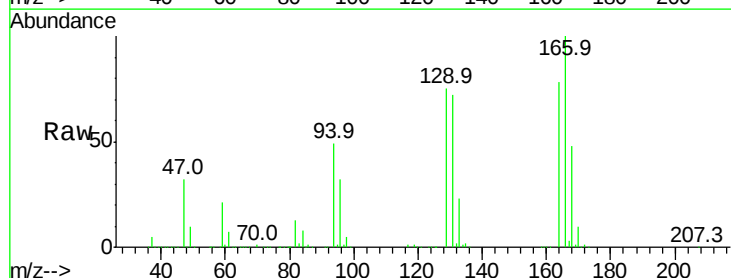
Ion Ratio Lower Upper

164 100

129 96.5 64.0 119.0

131 92.6 58.6 108.8

166 128.5 91.7 170.3



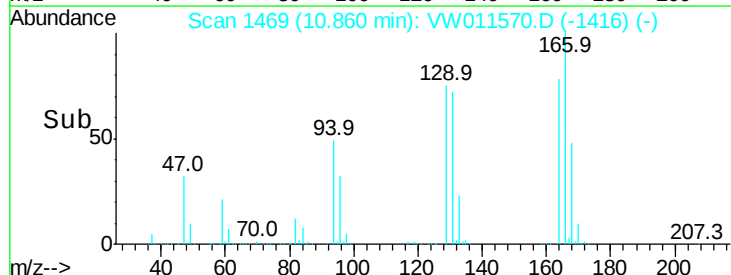
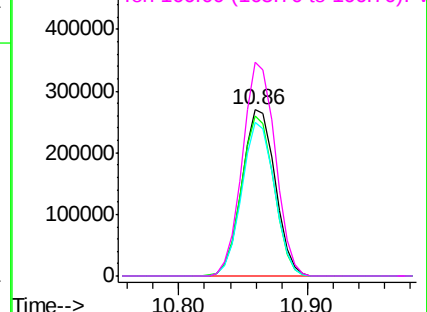
Abundance

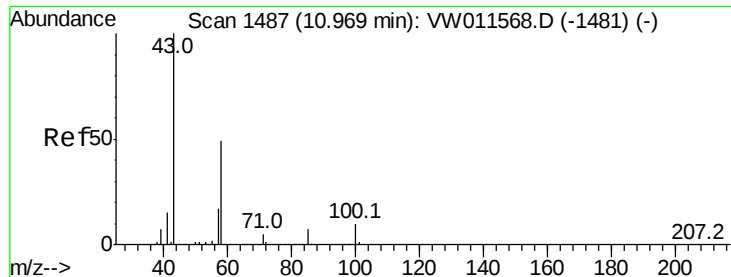
Ion 164.00 (163.70 to 164.70): V

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: 218.131 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

Tgt Ion: 43 Resp: 876925

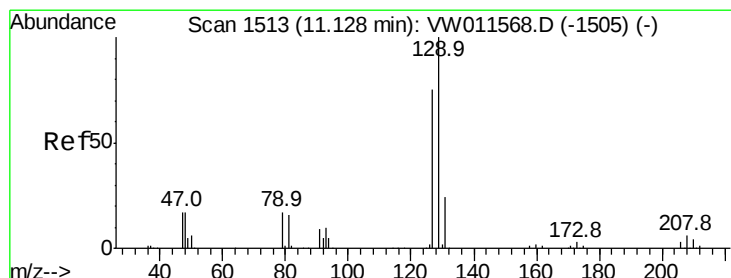
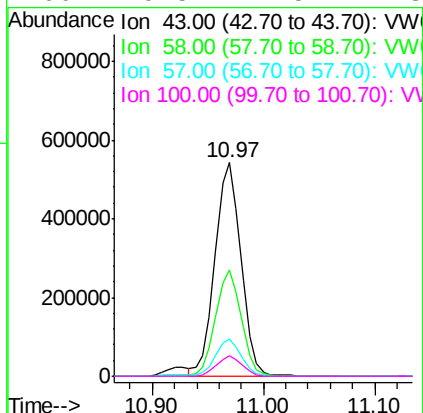
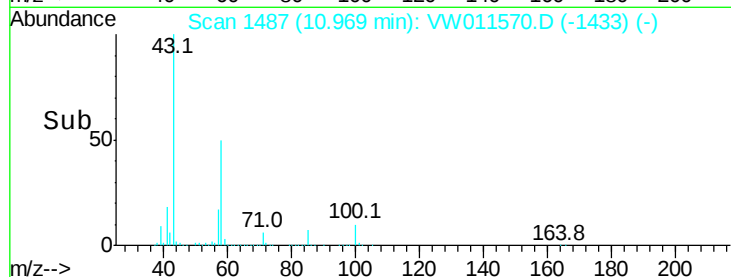
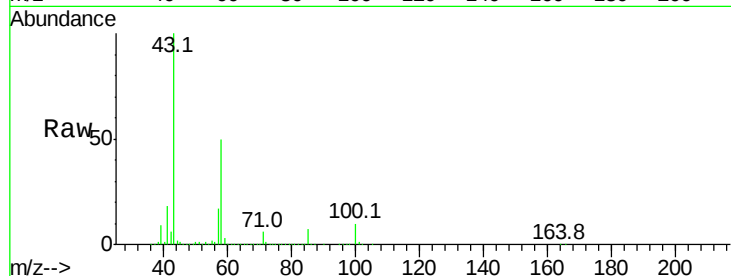
Ion Ratio Lower Upper

43 100

58 49.2 38.6 57.8

57 17.2 13.0 19.6

100 9.5 7.5 11.3



#50

Dibromochloromethane

Concen: 115.715 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011570.D

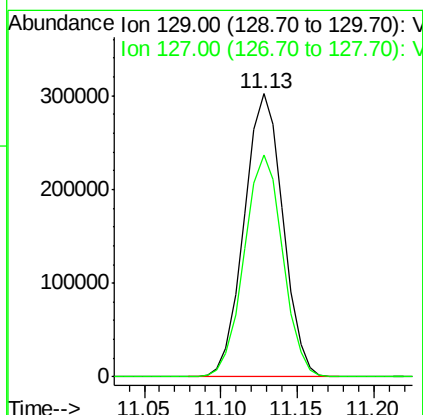
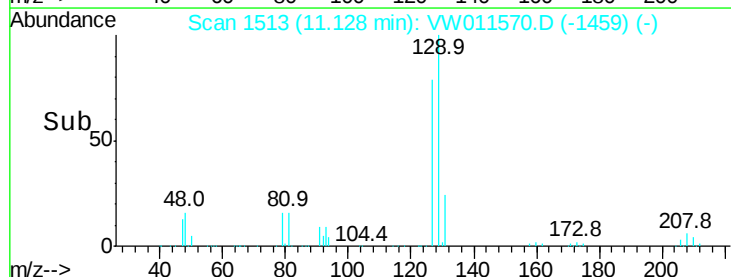
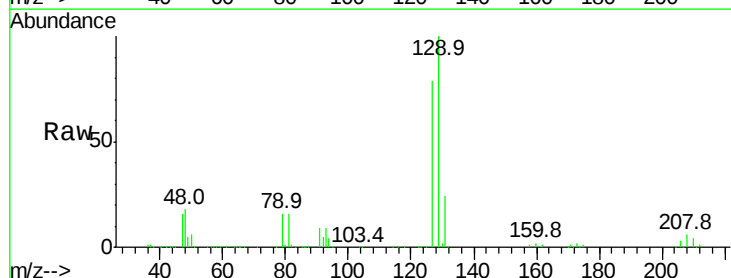
Acq: 30 Jul 2019 11:14

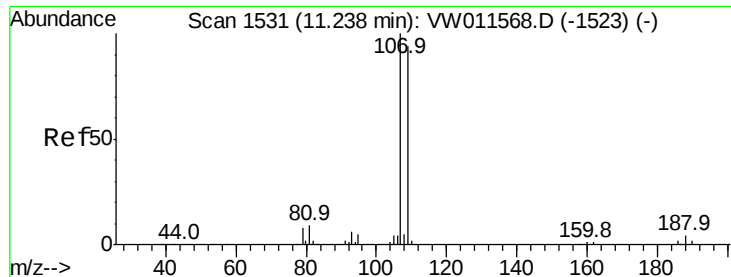
Tgt Ion: 129 Resp: 533405

Ion Ratio Lower Upper

129 100

127 78.6 52.6 97.6

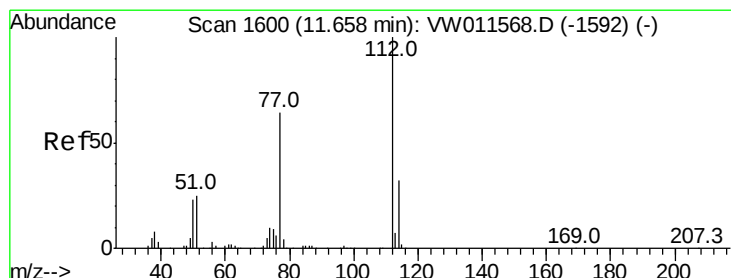
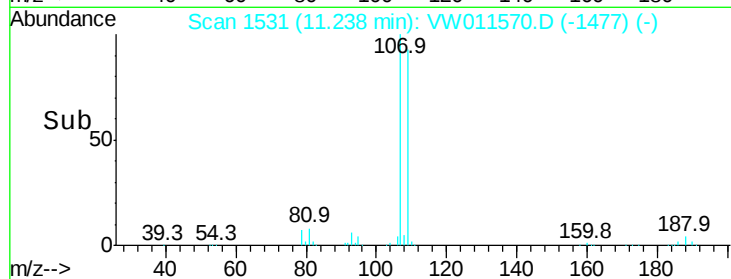
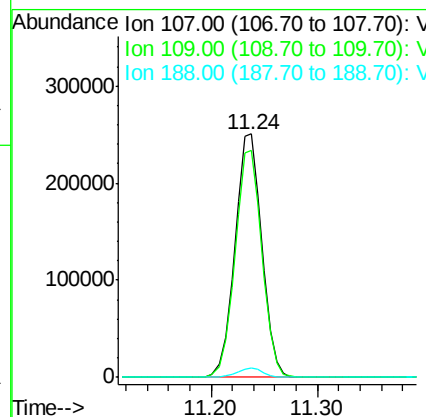
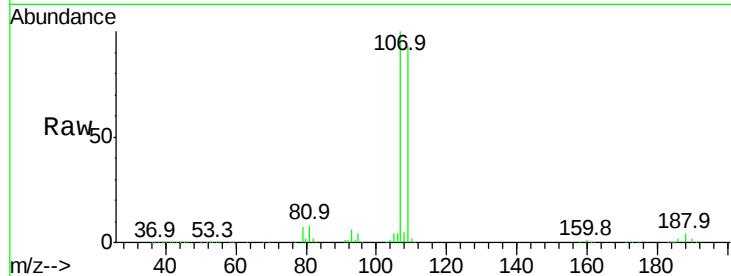




#51
 1,2-Dibromoethane
 Concen: 109.749 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

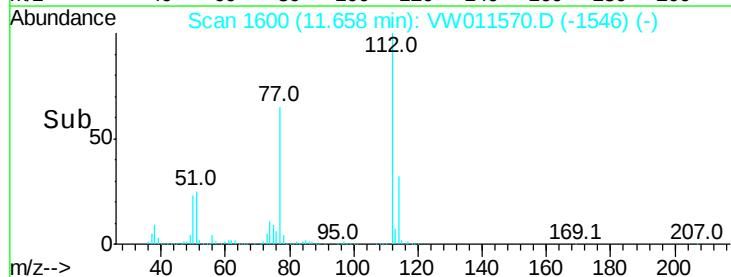
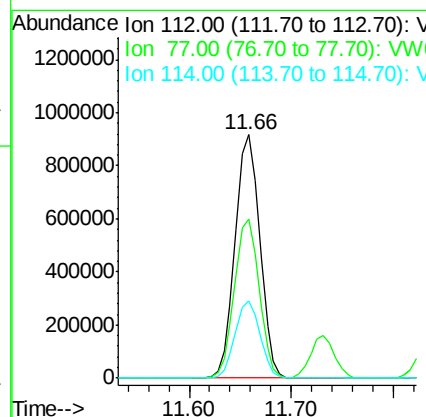
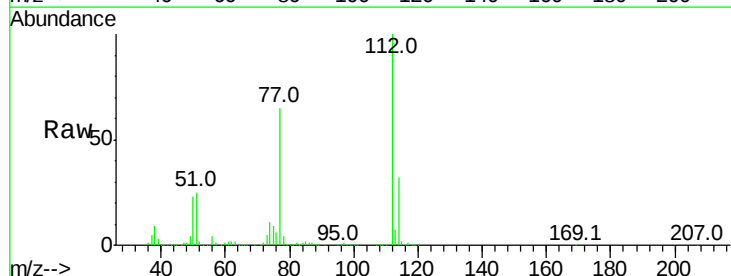
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

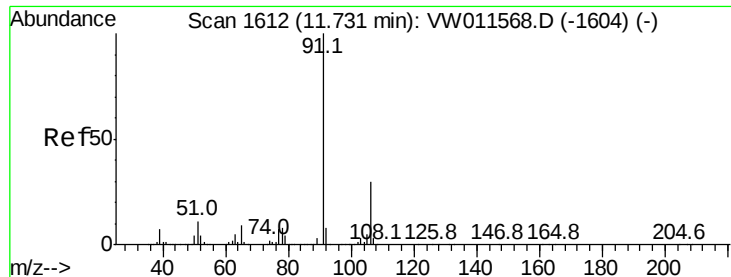
Tgt Ion:107 Resp: 441992
 Ion Ratio Lower Upper
 107 100
 109 93.3 66.1 122.8
 188 3.9 2.9 4.3



#52
 Chlorobenzene
 Concen: 107.302 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Tgt Ion:112 Resp: 1536920
 Ion Ratio Lower Upper
 112 100
 77 65.4 51.0 76.4
 114 31.9 22.4 41.6





#53

Ethylbenzene

Concen: 107.610 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

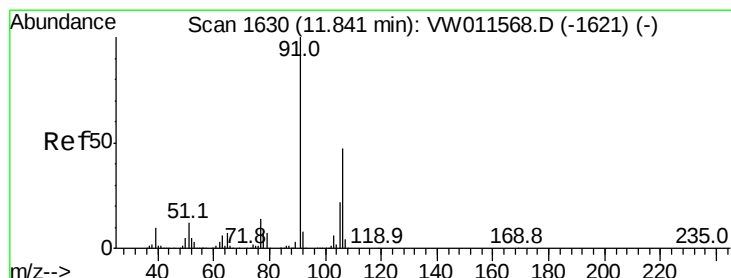
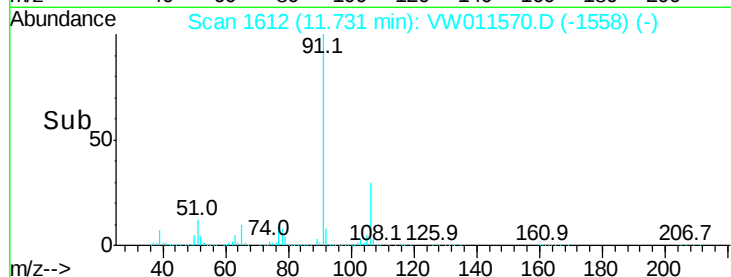
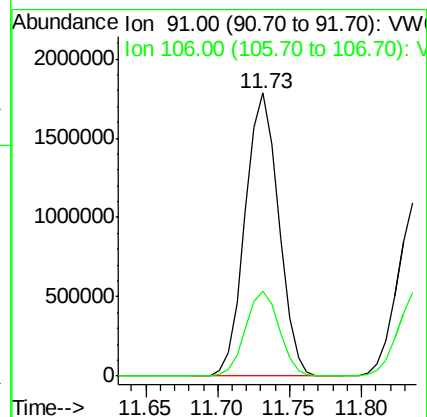
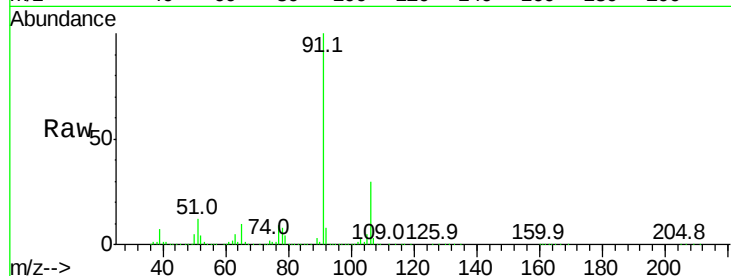
VSTD10003

Tgt Ion: 91 Resp: 2876492

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#54

m,p-Xylene

Concen: 107.339 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011570.D

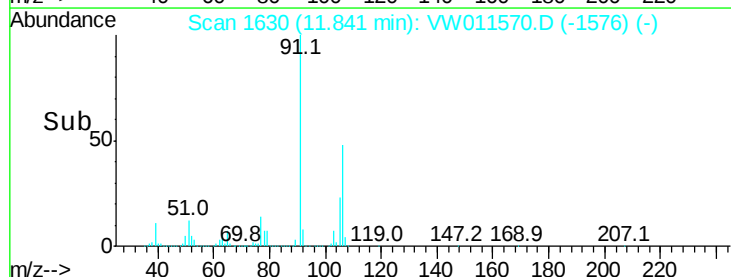
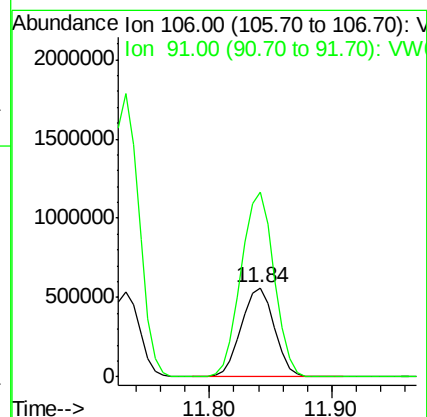
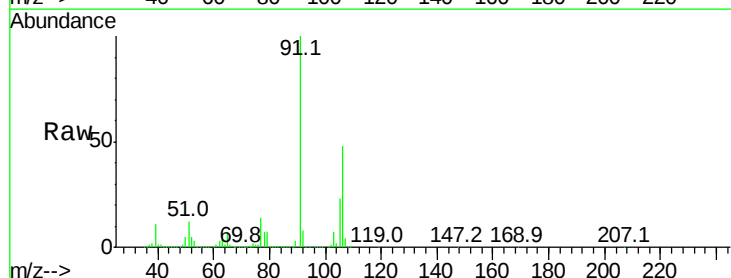
Acq: 30 Jul 2019 11:14

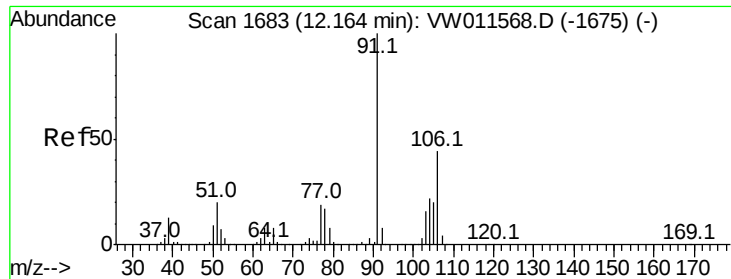
Tgt Ion: 106 Resp: 1050827

Ion Ratio Lower Upper

106 100

91 206.9 149.6 277.8

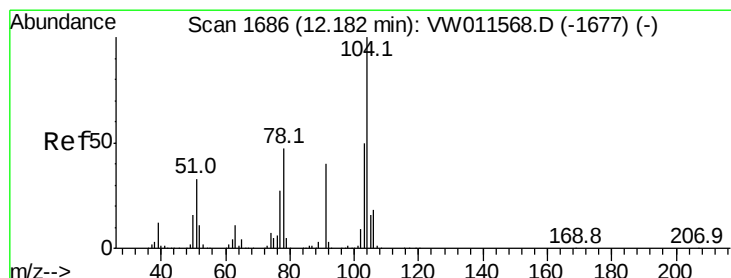
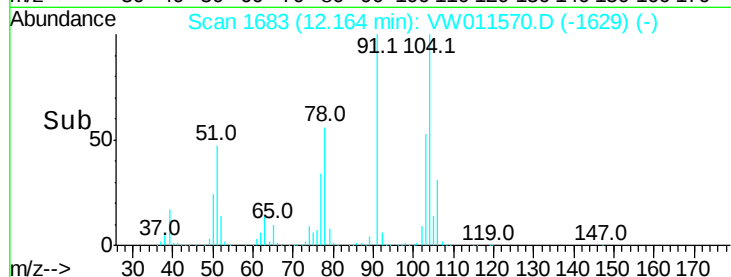
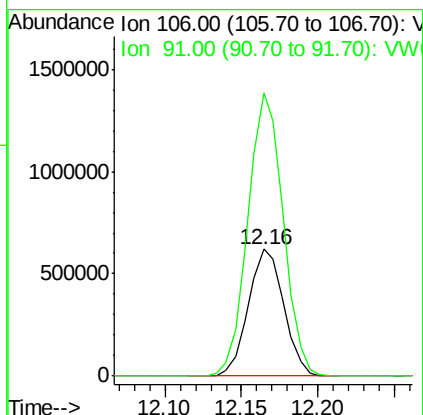
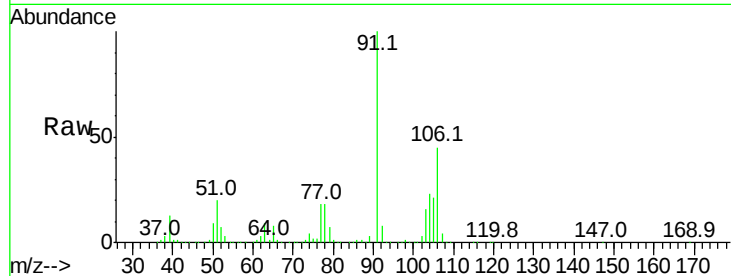




#55
o-xylene
Concen: 108.701 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

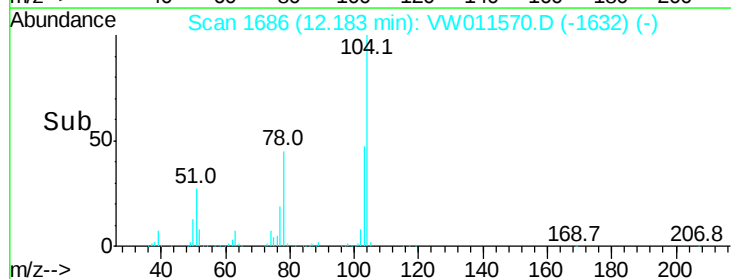
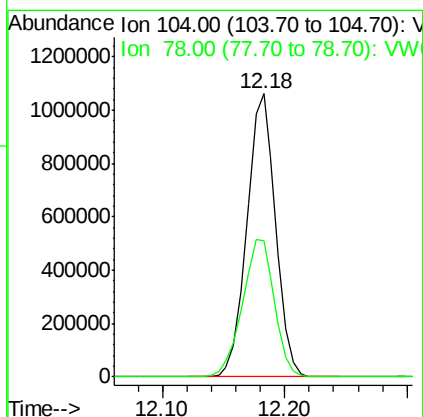
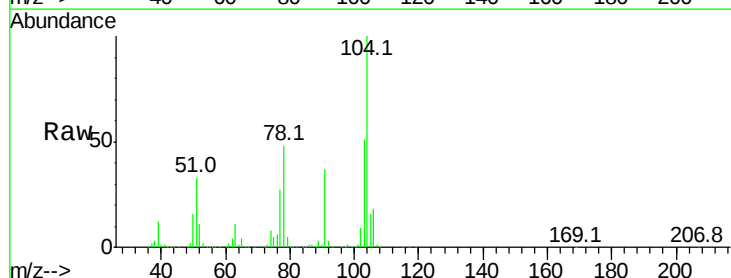
Instrument :
MSVOA_W
ClientSampled :
VSTD10003

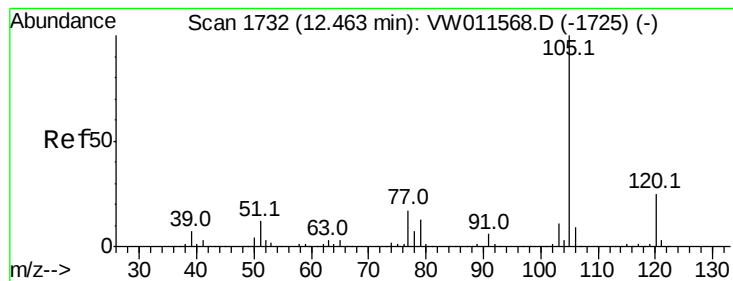
Tgt Ion:106 Resp: 1002980
Ion Ratio Lower Upper
106 100
91 222.8 158.3 293.9



#56
Styrene
Concen: 110.896 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011570.D
Acq: 30 Jul 2019 11:14

Tgt Ion:104 Resp: 1721323
Ion Ratio Lower Upper
104 100
78 48.1 32.9 61.1





#57

Isopropylbenzene

Concen: 108.054 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

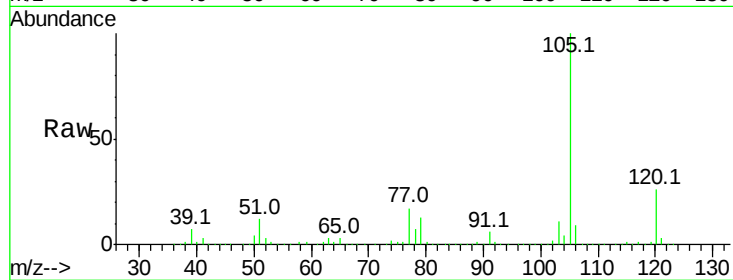
Tgt Ion:105 Resp: 2715695

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

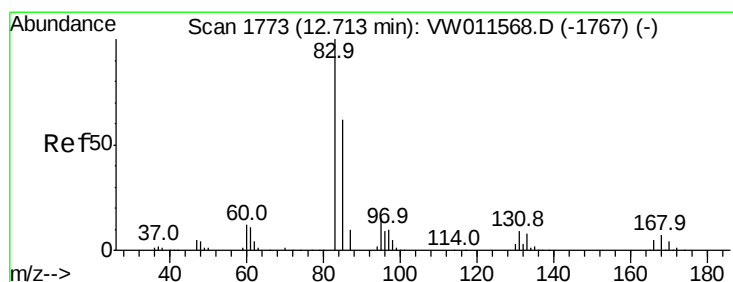
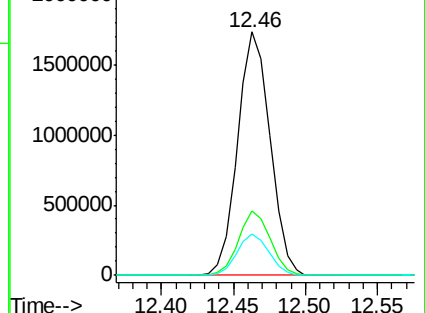
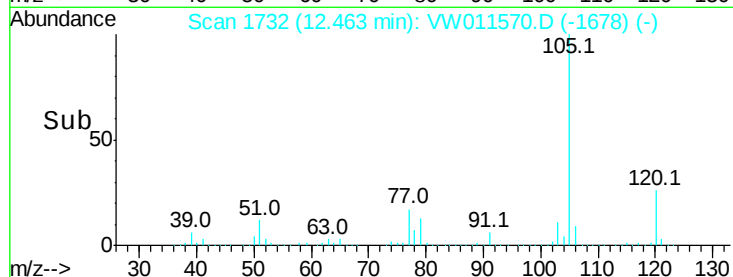
77 16.8 13.4 20.2



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: 105.634 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

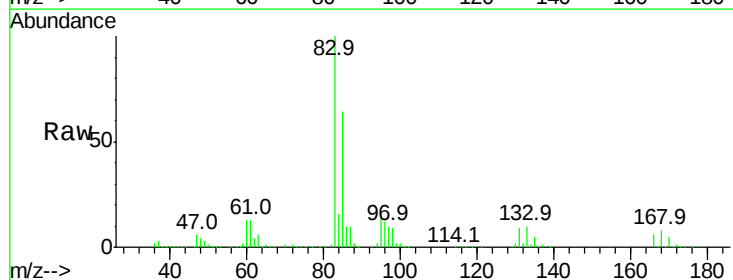
Tgt Ion: 83 Resp: 571422

Ion Ratio Lower Upper

83 100

85 63.8 43.5 80.9

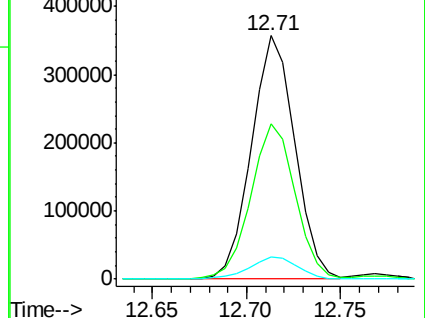
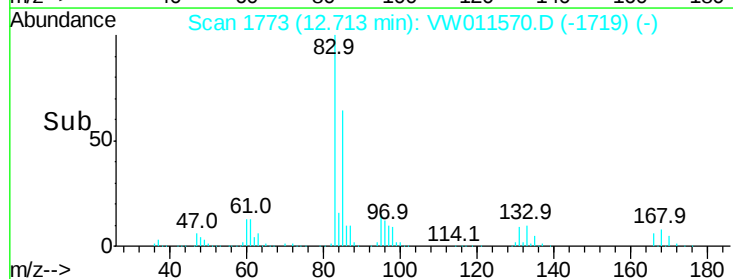
131 9.2 7.5 11.3

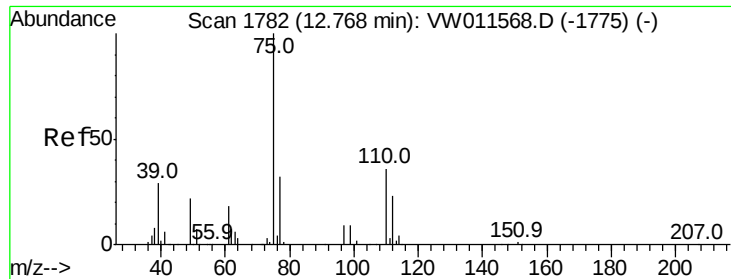


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 104.317 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

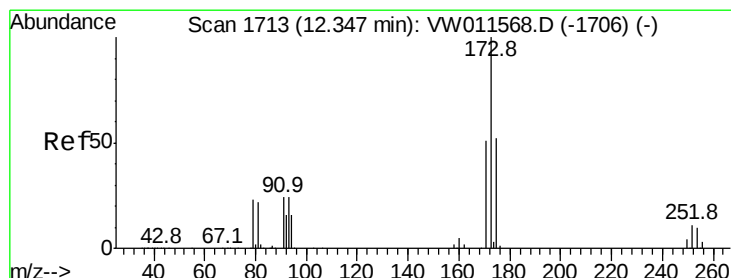
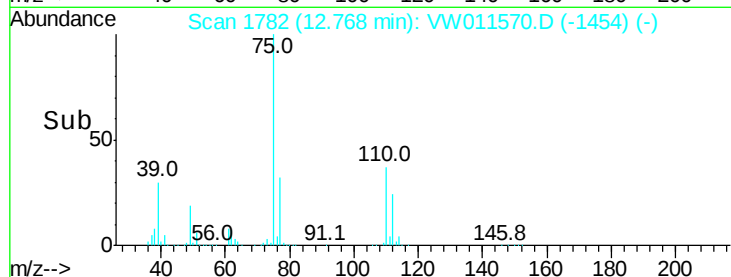
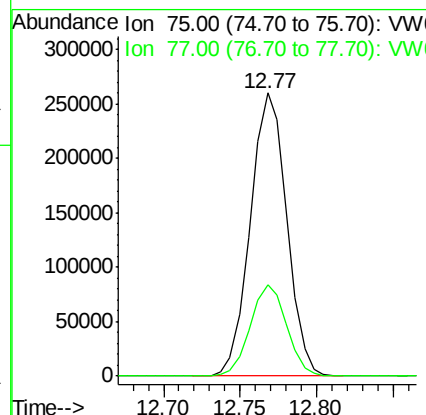
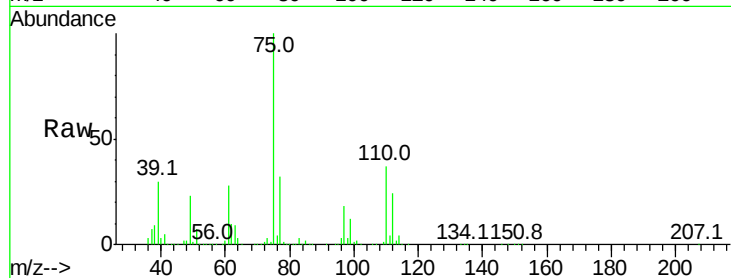
VSTD10003

Tgt Ion: 75 Resp: 431140

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



#62

Bromoform

Concen: 118.865 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

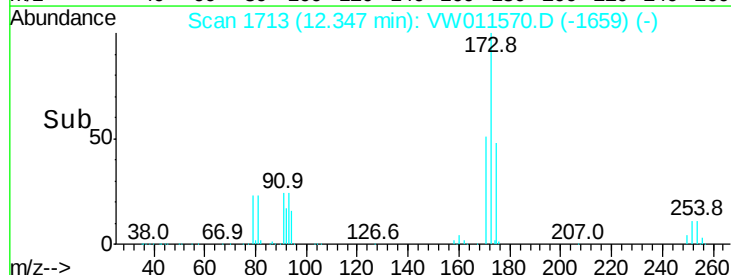
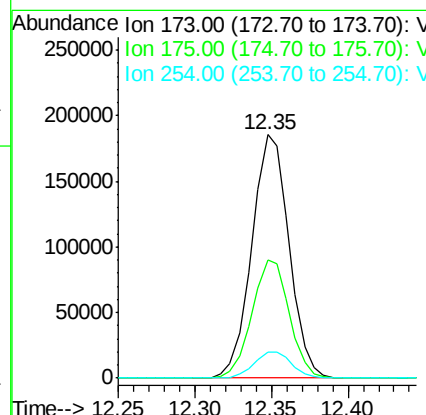
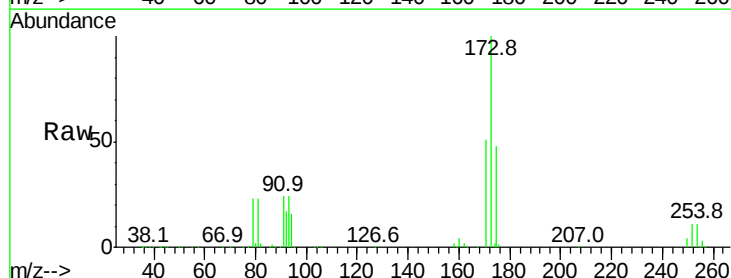
Tgt Ion: 173 Resp: 313676

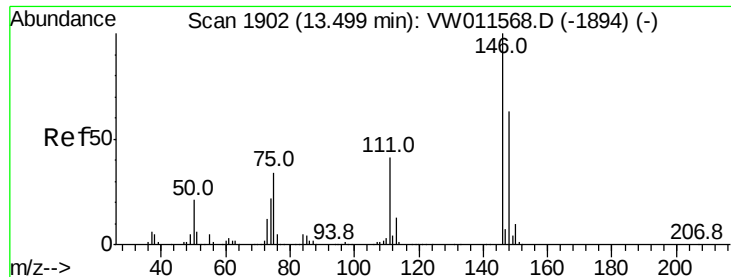
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 10.9 9.0 13.6

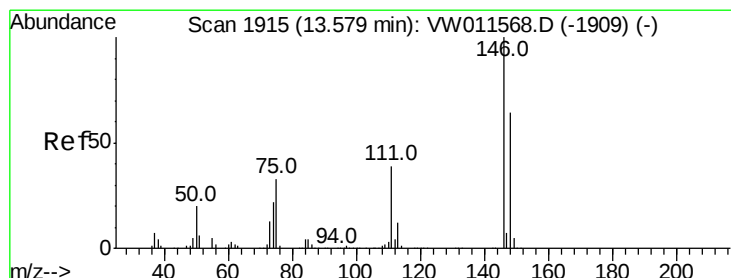
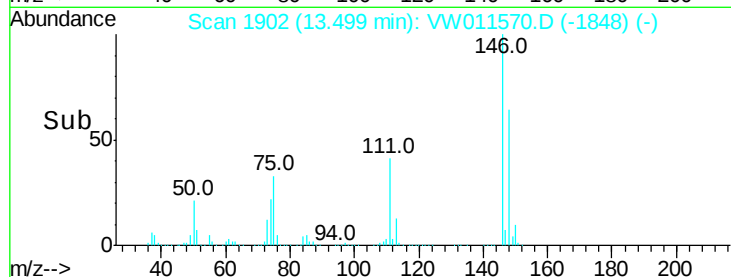
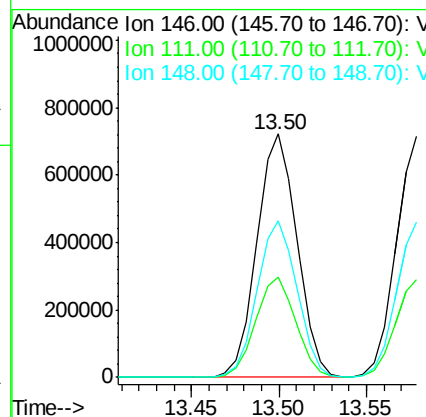
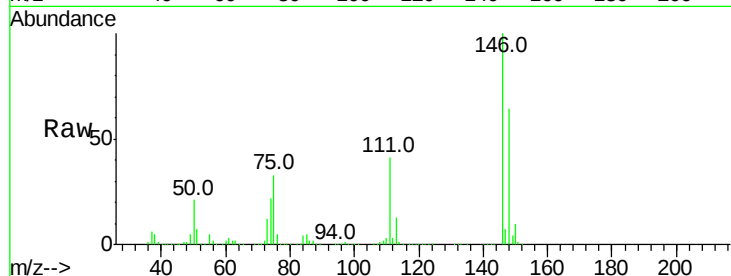




#63
 1,3-Dichlorobenzene
 Concen: 108.708 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

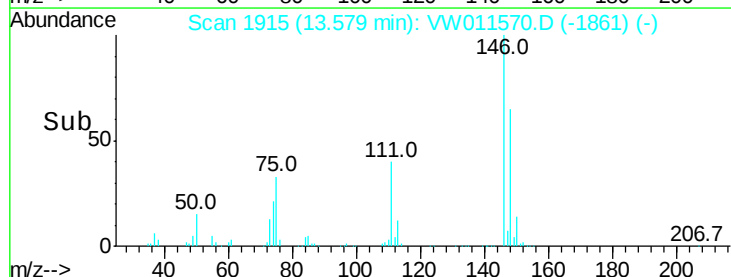
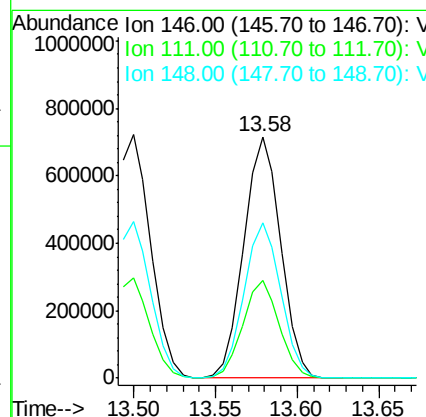
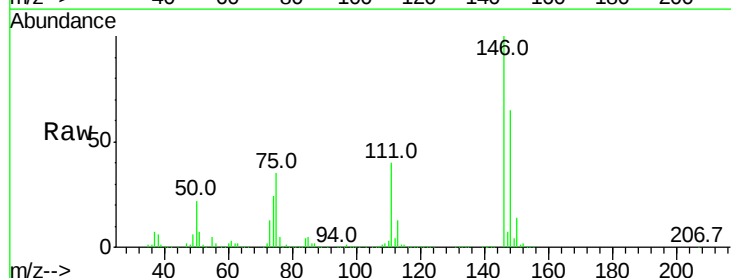
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

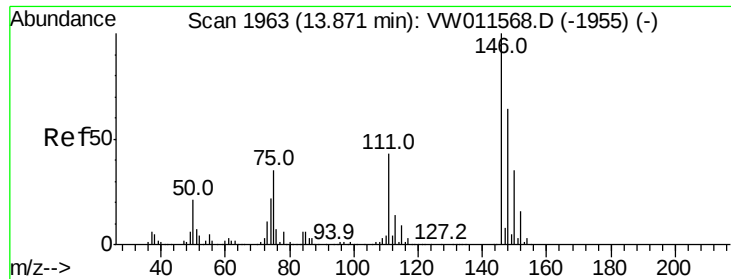
Tgt Ion:146 Resp: 1147725
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.6 53.2
 148 64.2 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 105.492 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Tgt Ion:146 Resp: 1131256
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.4 51.0
 148 64.6 44.4 82.5

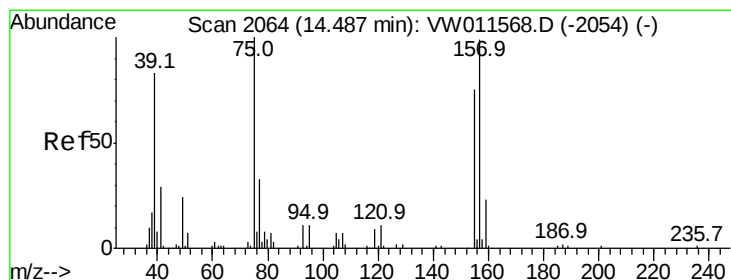
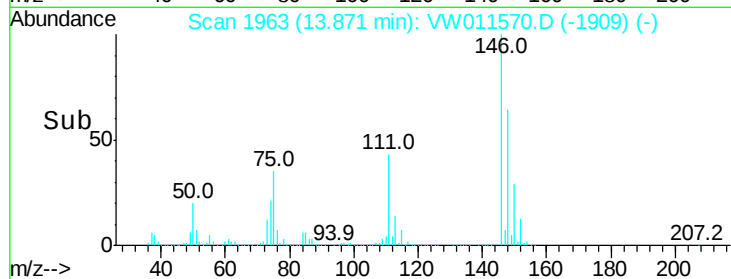
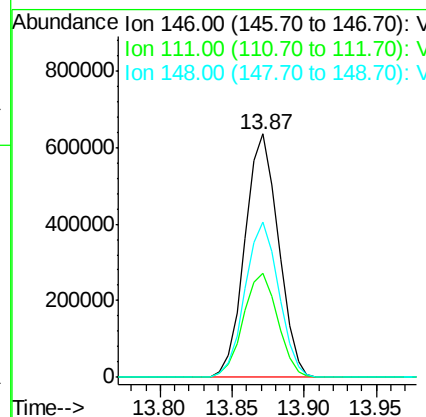
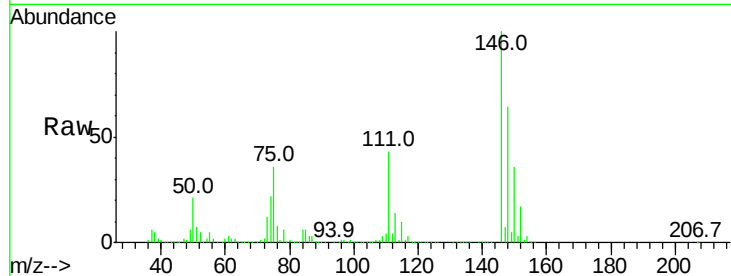




#65
 1,2-Dichlorobenzene
 Concen: 105.794 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

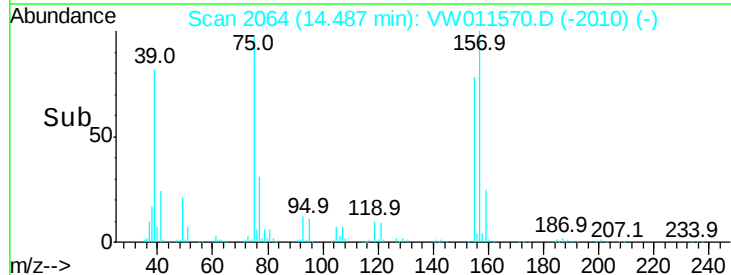
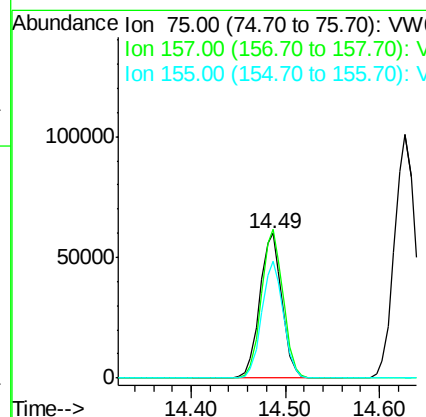
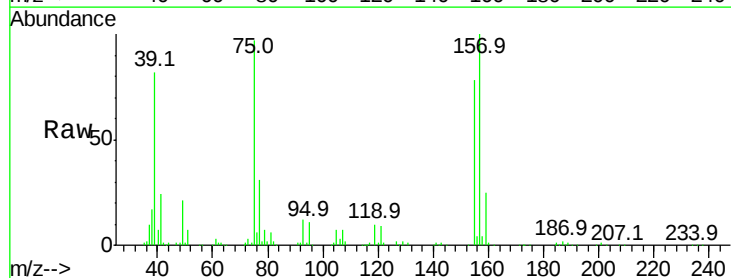
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

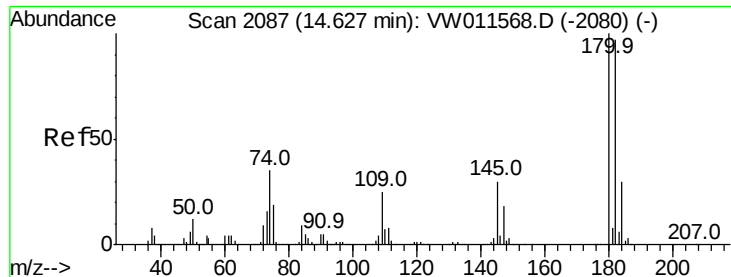
Tgt Ion:146 Resp: 1027752
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.6 51.8
 148 64.0 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 106.888 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Tgt Ion: 75 Resp: 98975
 Ion Ratio Lower Upper
 75 100
 157 102.9 79.3 118.9
 155 80.3 59.9 89.9

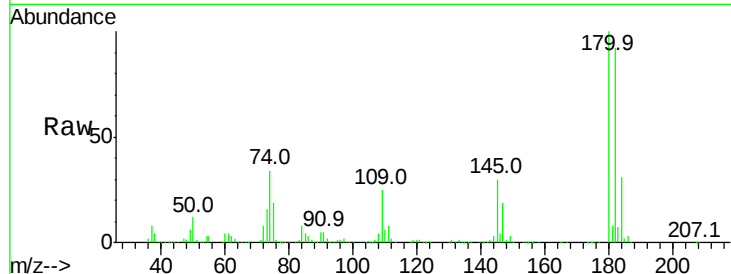




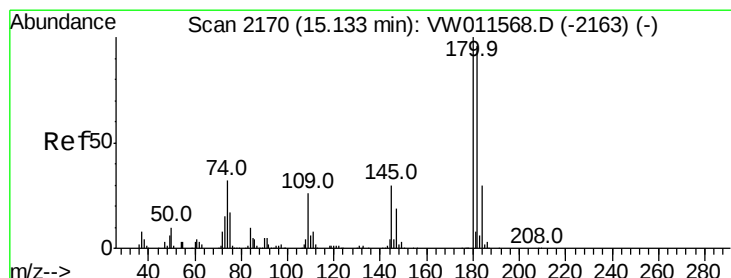
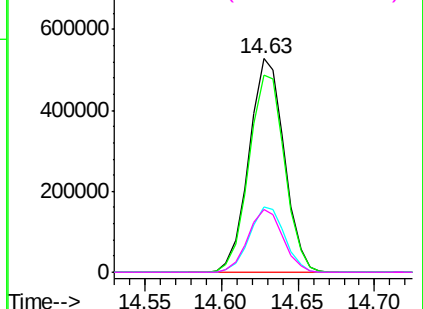
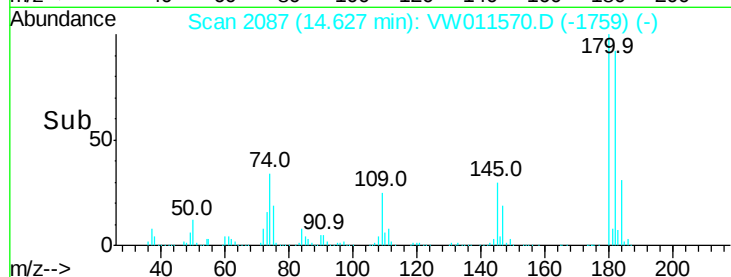
#67
 1,3,5-Trichlorobenzene
 Concen: 104.741 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Tgt Ion:180 Resp: 843594
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 184 30.8 24.2 36.2
 145 29.4 23.0 34.6

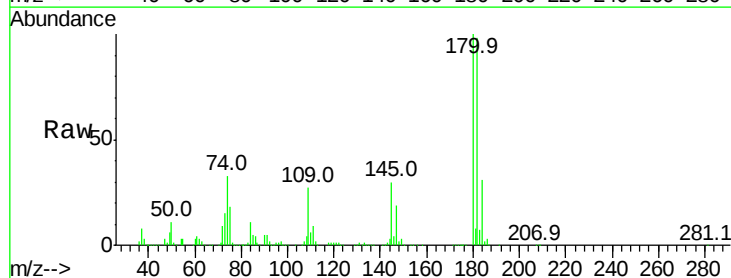


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

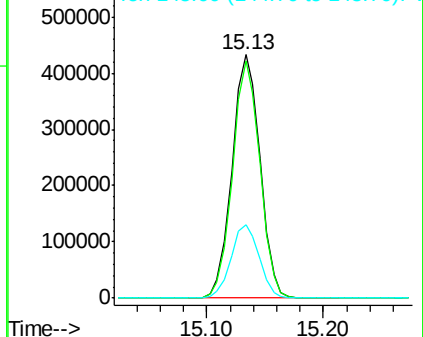
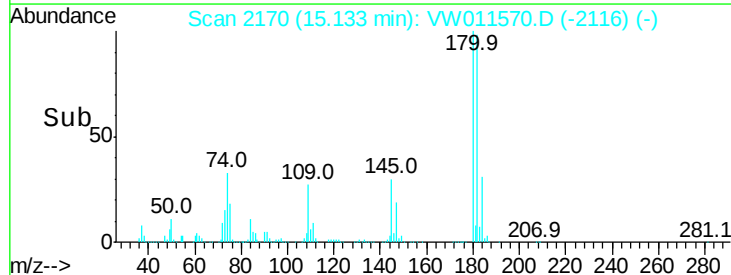


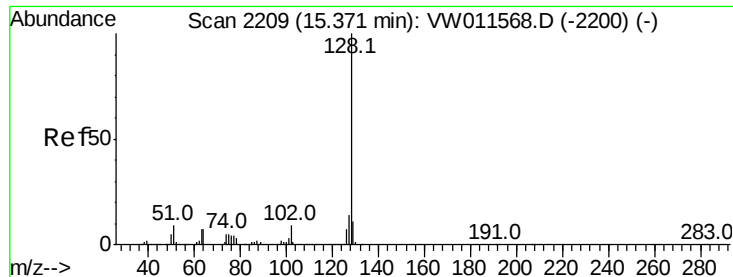
#68
 1,2,4-trichlorobenzene
 Concen: 108.288 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011570.D
 Acq: 30 Jul 2019 11:14

Tgt Ion:180 Resp: 722811
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.3 115.9
 145 30.1 24.3 36.5



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: 107.557 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

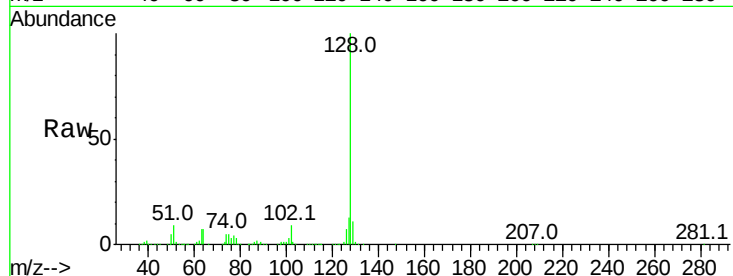
Tgt Ion:128 Resp: 1461420

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

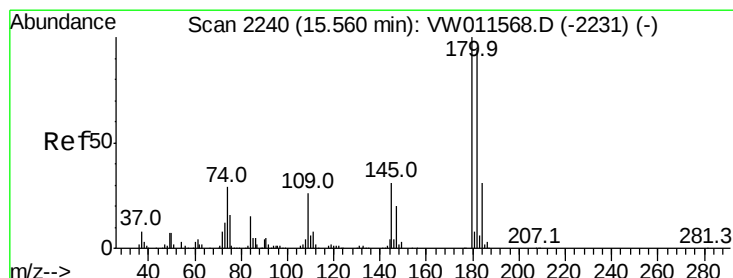
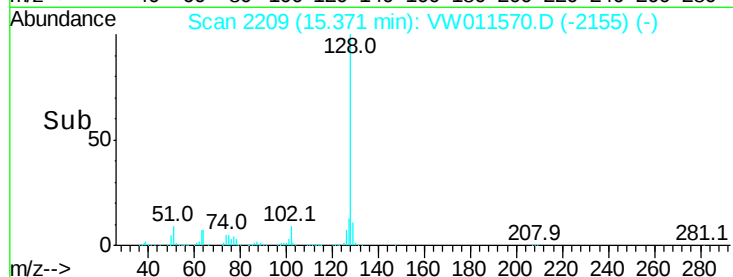
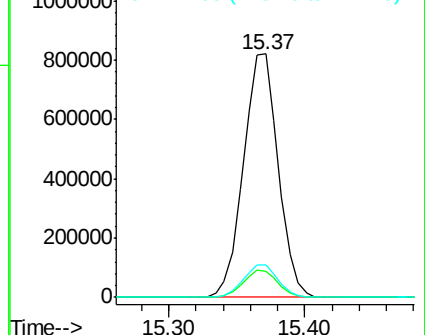
127 13.5 10.6 16.0



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: 106.849 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011570.D

Acq: 30 Jul 2019 11:14

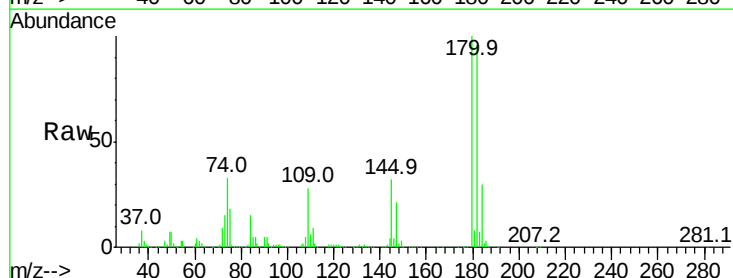
Tgt Ion:180 Resp: 646123

Ion Ratio Lower Upper

180 100

182 95.3 74.9 112.3

145 32.2 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

