

Data File : VW013956.D
Acq On : 11 Nov 2019 11:19
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Quant Time: Nov 11 12:19:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 12:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311171	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	297685	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	170873	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	22306	4.61	ug/L	0.00
7) Chloroethane-d5	2.89	69	18417	4.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	49663	5.04	ug/L	0.00
20) 2-Butanone-d5	7.08	46	18145	10.41	ug/L	0.00
24) Chloroform-d	7.65	84	48211	4.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	25480	4.83	ug/L	0.00
29) Benzene-d6	8.27	84	103504	5.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	31427	5.21	ug/L	0.00
37) Toluene-d8	10.32	98	99032	5.23	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13345	4.84	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	13730	10.01	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26758	5.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	35389	5.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	20403	6.100 ug/L	84
3) Chloromethane	2.21	50	16668	4.345 ug/L	96
5) Vinyl chloride	2.36	62	26401	4.819 ug/L	98
6) Bromomethane	2.78	94	17126	4.970 ug/L	92
8) Chloroethane	2.92	64	15594	5.014 ug/L	96
9) Trichlorofluoromethane	3.26	101	17399	6.234 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	25657	4.790 ug/L	98
12) 1,1-Dichloroethene	4.04	96	26345	4.906 ug/L	96
13) Acetone	4.12	43	22465	13.239 ug/L	97
14) Carbon disulfide	4.39	76	72268	4.708 ug/L	100
15) Methyl Acetate	4.67	43	14786	5.032 ug/L	98
16) Methylene chloride	4.92	84	32720	5.624 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	38274	5.634 ug/L	# 64
18) trans-1,2-Dichloroethene	5.42	96	27824	4.971 ug/L	99
19) 1,1-Dichloroethane	6.21	63	47968	5.048 ug/L	97
21) 2-Butanone	7.17	43	26443	11.353 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	29705	5.047 ug/L	98
23) Bromochloromethane	7.51	128	13545	4.894 ug/L	92
25) Chloroform	7.67	83	47478	4.970 ug/L	96
27) 1,2-Dichloroethane	8.40	62	30042	4.754 ug/L	96
30) Cyclohexane	7.96	56	47419	5.279 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	38071	5.223 ug/L	98
32) Carbon tetrachloride	8.07	117	35536	4.985 ug/L	98
34) Benzene	8.32	78	112850	5.222 ug/L	100
35) Trichloroethene	9.09	95	30013	5.268 ug/L	96
36) Methylcyclohexane	9.33	83	51866	5.187 ug/L	97
40) 1,2-Dichloropropane	9.37	63	27187	5.125 ug/L	100
41) Bromodichloromethane	9.64	83	32351	4.851 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	42621	5.098 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	43296	10.613 ug/L	98

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Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Quant Time: Nov 11 12:19:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 12:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	120429	5.186	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	34380	4.977	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	21051	4.970	ug/L	97
47) Tetrachloroethene	10.86	164	26397	5.033	ug/L	95
49) 2-Hexanone	10.97	43	32648	10.894	ug/L	99
50) Dibromochloromethane	11.13	129	24007	4.882	ug/L	92
51) 1,2-Dibromoethane	11.24	107	20658	4.933	ug/L	97
52) Chlorobenzene	11.66	112	77844	5.198	ug/L	96
53) Ethylbenzene	11.73	91	130962	5.066	ug/L	99
54) m,p-Xylene	11.83	106	50433	5.062	ug/L	92
55) o-xylene	12.16	106	47743	5.070	ug/L	95
56) Styrene	12.18	104	82770	5.093	ug/L	99
57) Isopropylbenzene	12.46	105	133788	5.269	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	26324	4.935	ug/L #	86
59) 1,2,3-Trichloropropane	12.77	75	20421	5.099	ug/L	95
62) Bromoform	12.35	173	15096	4.859	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	63138	5.336	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	62031	5.229	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	58096	5.430	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	4794	5.593	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	46284	5.193	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	36329	5.035	ug/L	98
69) Naphthalene	15.36	128	68049	4.971	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	33784	5.081	ug/L	98

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

Data File : VW013956.D

Acq On : 11 Nov 2019 11:19

Operator : SY/VA

Sample : VSTD005

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

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

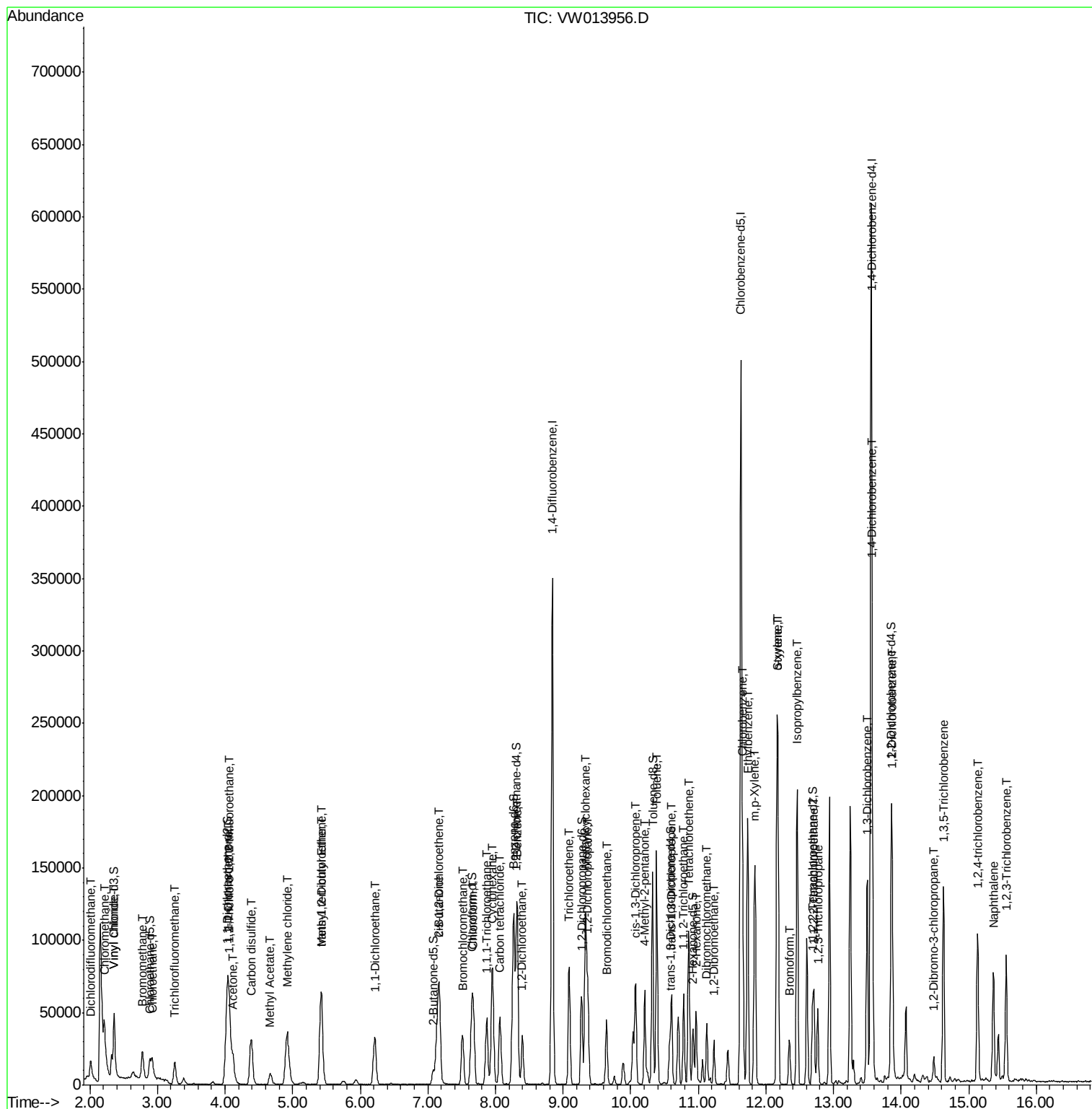
Quant Time: Nov 11 12:19:16 2019

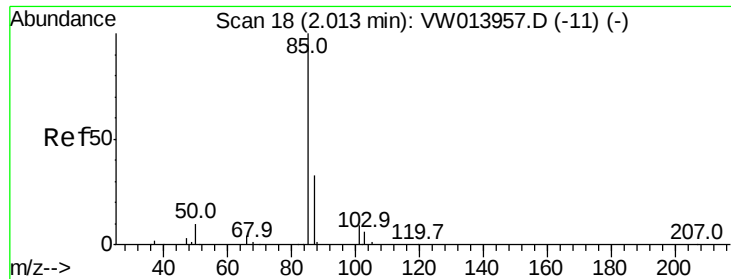
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M

Quant Title : VOC Analysis

QLast Update : Mon Nov 11 12:14:45 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 6.100 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

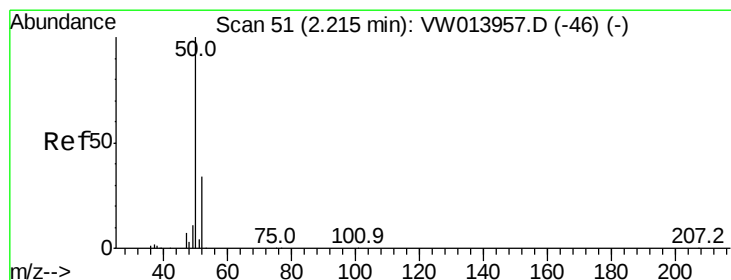
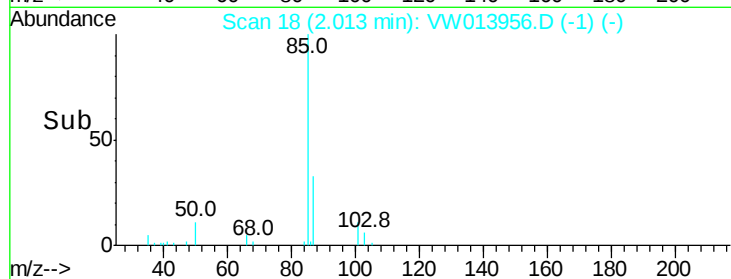
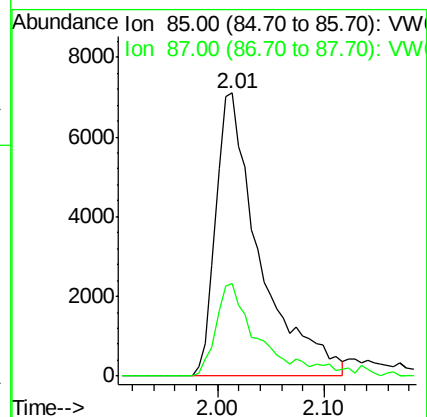
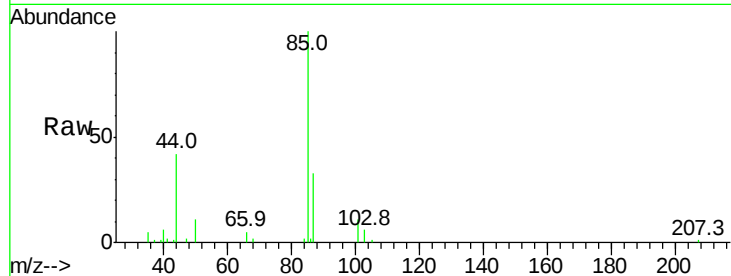
VSTD00501

Tgt Ion: 85 Resp: 20403

Ion Ratio Lower Upper

85 100

87 22.8 22.1 41.1



#3

Chloromethane

Concen: 4.345 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013956.D

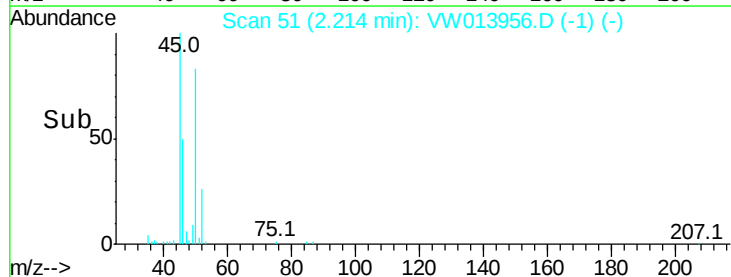
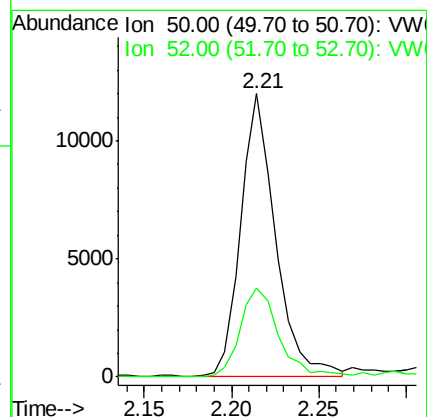
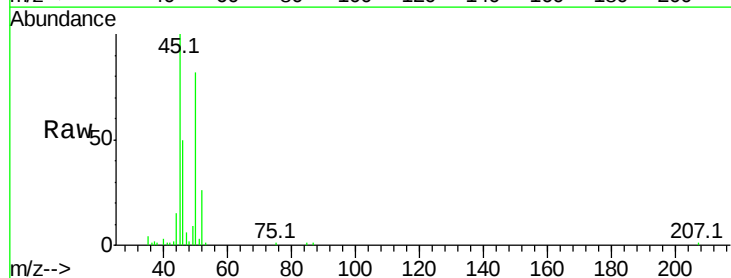
Acq: 11 Nov 2019 11:19

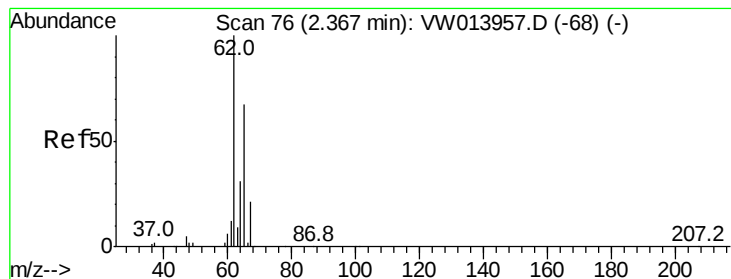
Tgt Ion: 50 Resp: 16668

Ion Ratio Lower Upper

50 100

52 31.5 23.8 44.2





#5

Vinyl chloride

Concen: 4.819 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

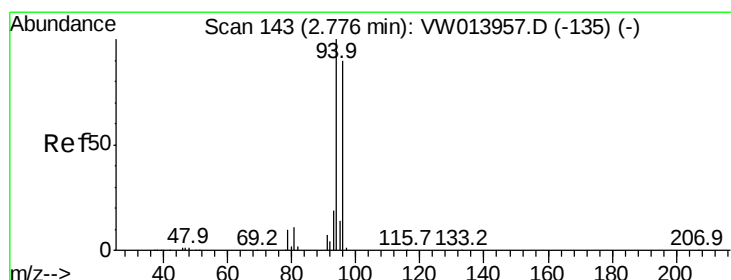
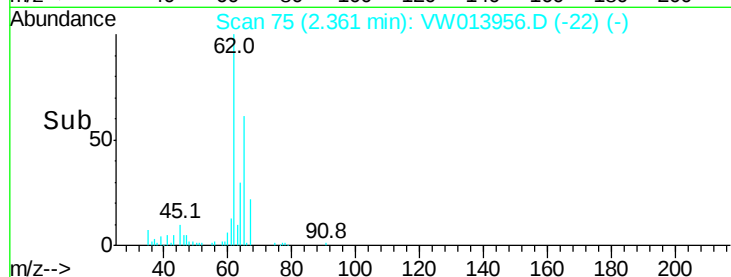
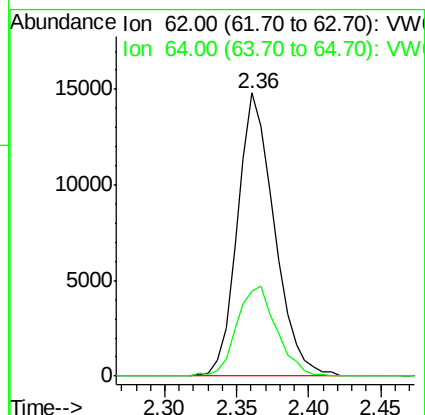
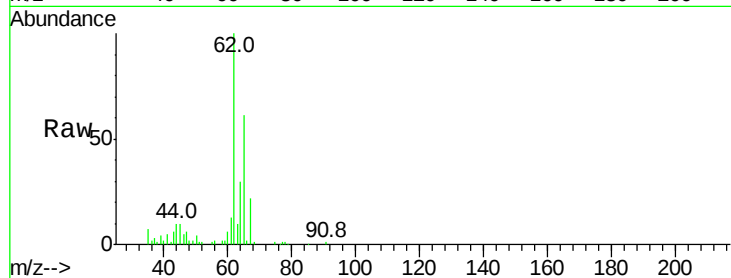
VSTD00501

Tgt Ion: 62 Resp: 26401

Ion Ratio Lower Upper

62 100

64 30.2 21.8 40.4



#6

Bromomethane

Concen: 4.970 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013956.D

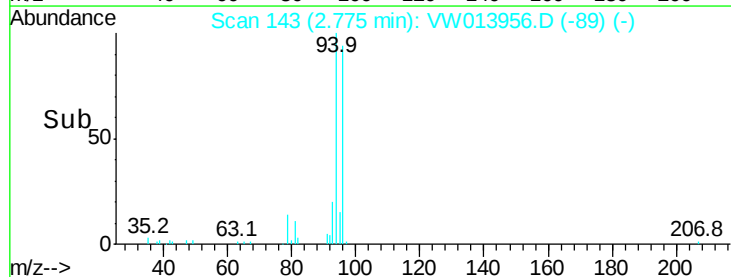
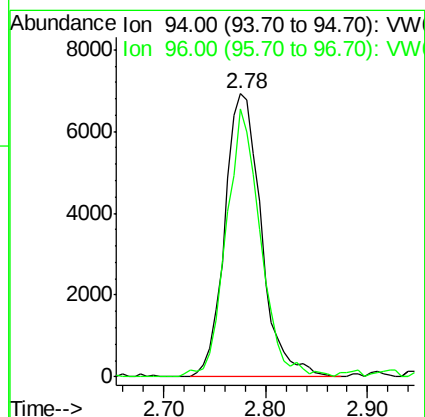
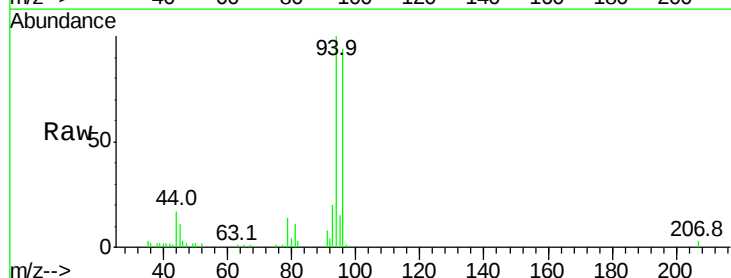
Acq: 11 Nov 2019 11:19

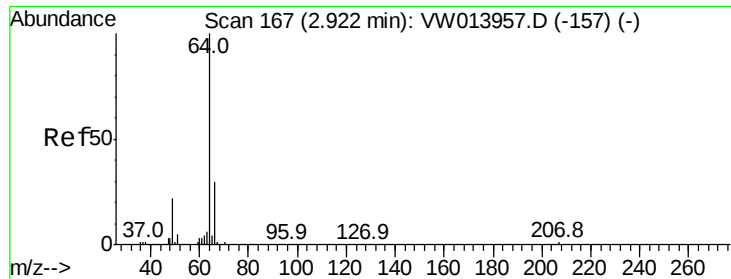
Tgt Ion: 94 Resp: 17126

Ion Ratio Lower Upper

94 100

96 86.5 9.4 178.8





#8

Chloroethane

Concen: 5.014 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

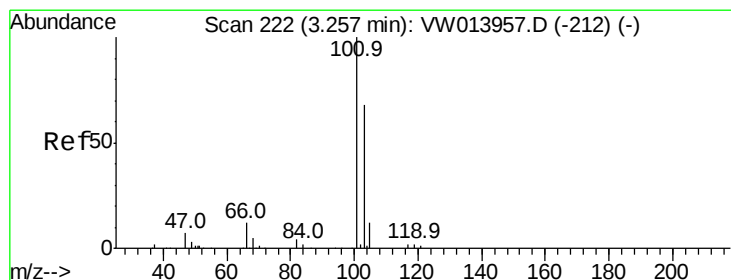
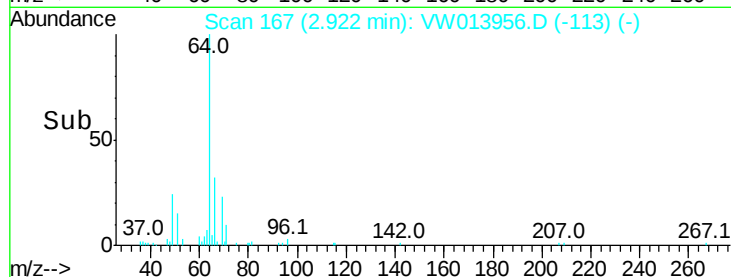
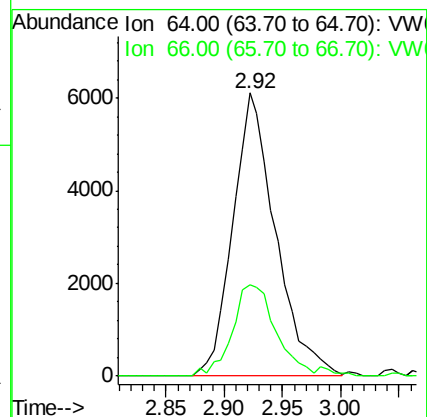
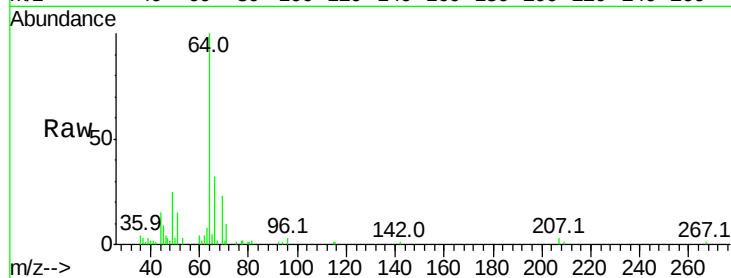
VSTD00501

Tgt Ion: 64 Resp: 15594

Ion Ratio Lower Upper

64 100

66 32.4 21.2 39.4



#9

Trichlorofluoromethane

Concen: 6.234 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013956.D

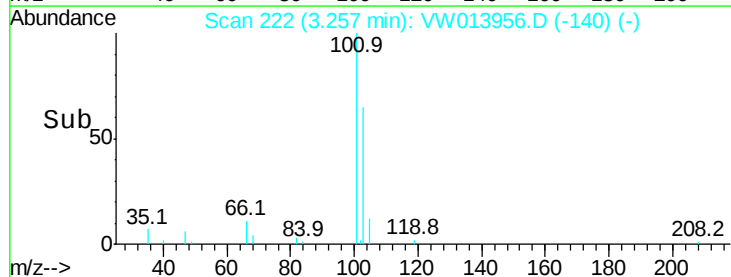
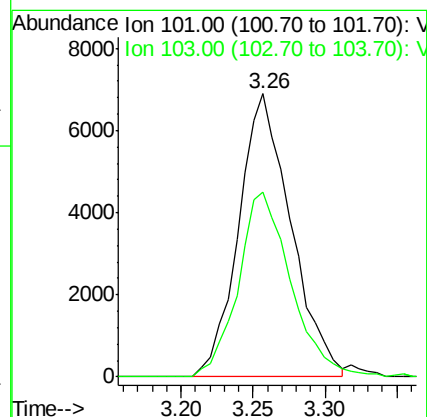
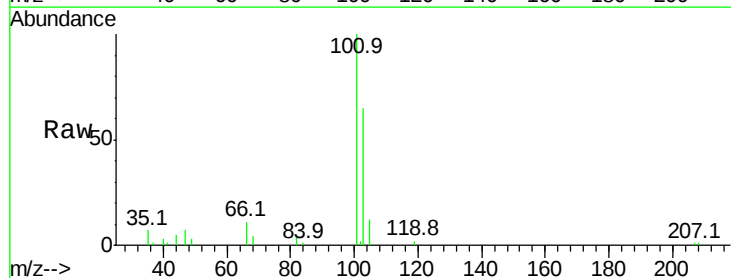
Acq: 11 Nov 2019 11:19

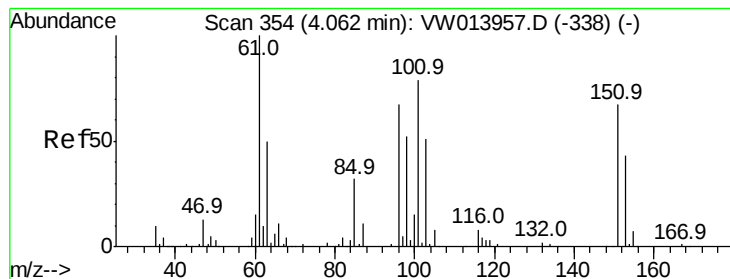
Tgt Ion: 101 Resp: 17399

Ion Ratio Lower Upper

101 100

103 65.6 45.4 84.2





#11

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

Concen: 4.790 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

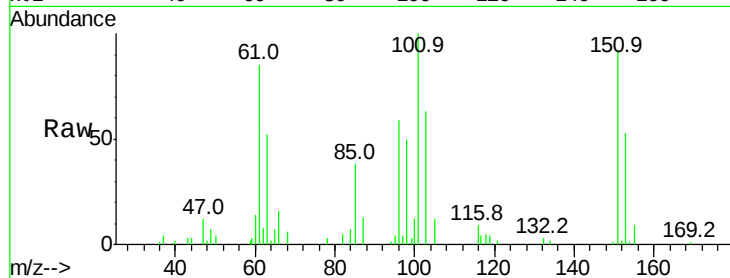
Tgt Ion:101 Resp: 25657

Ion Ratio Lower Upper

101 100

85 41.2 31.4 47.2

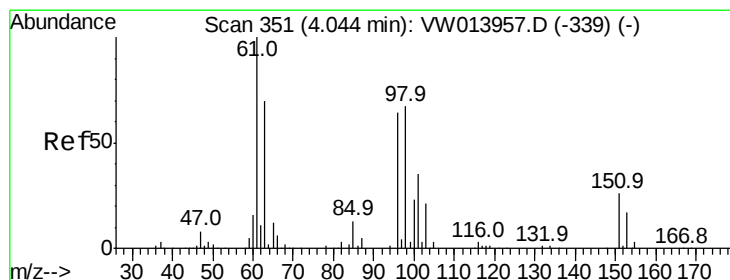
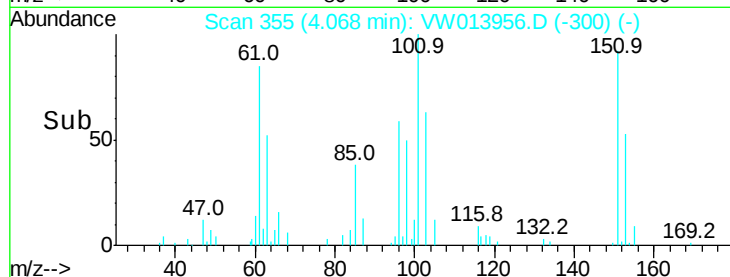
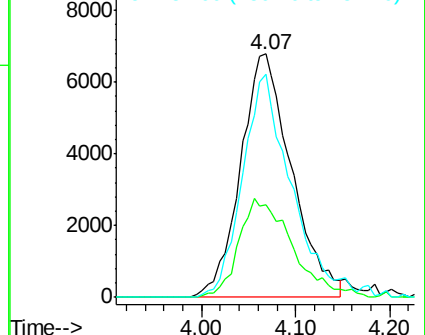
151 85.4 66.9 100.3



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: 4.906 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

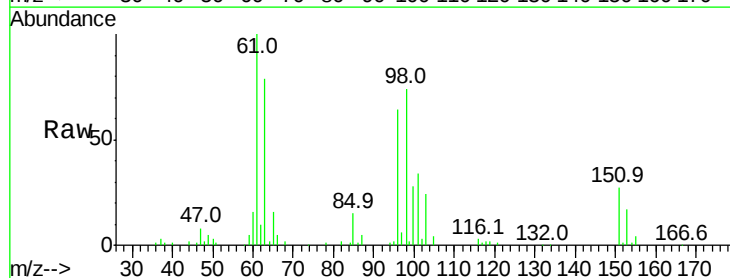
Tgt Ion: 96 Resp: 26345

Ion Ratio Lower Upper

96 100

61 155.1 109.8 204.0

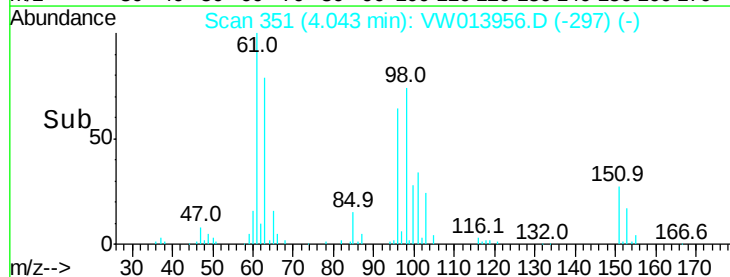
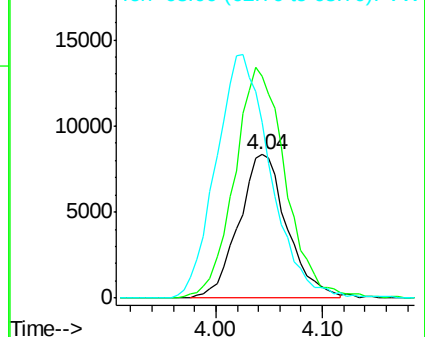
63 122.8 80.7 149.9

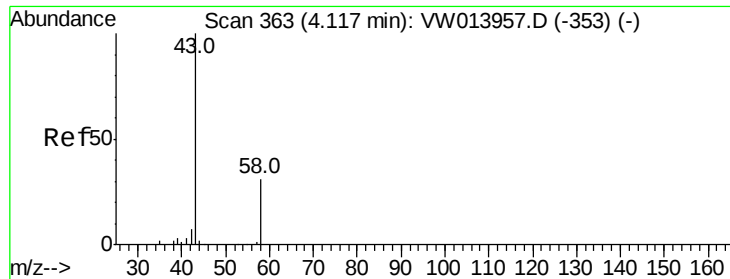


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 13.239 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

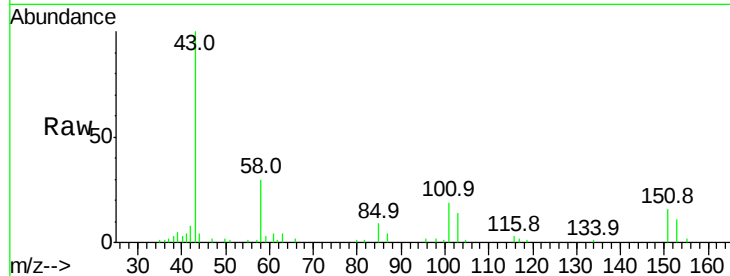
VSTD00501

Tgt Ion: 43 Resp: 22465

Ion Ratio Lower Upper

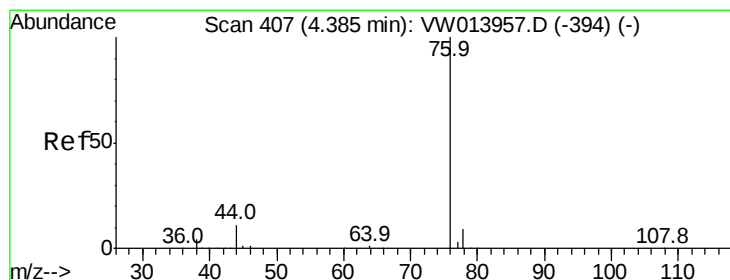
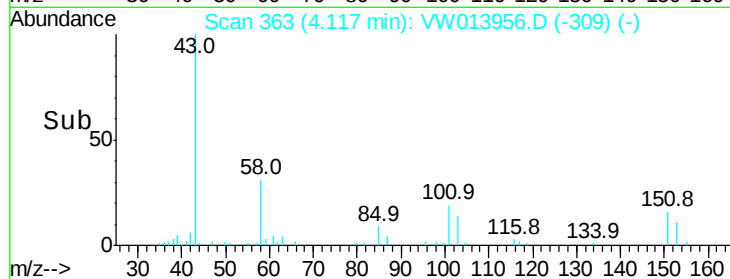
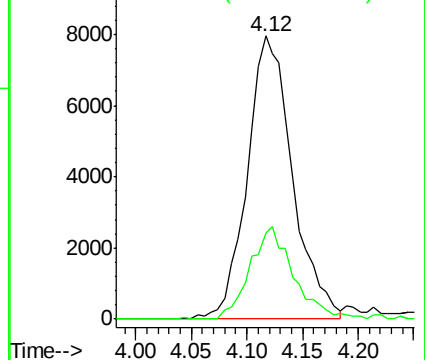
43 100

58 30.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.708 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013956.D

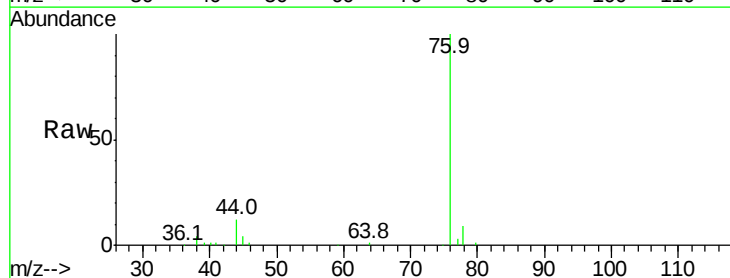
Acq: 11 Nov 2019 11:19

Tgt Ion: 76 Resp: 72268

Ion Ratio Lower Upper

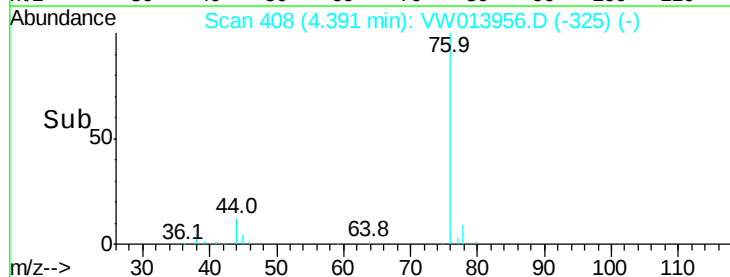
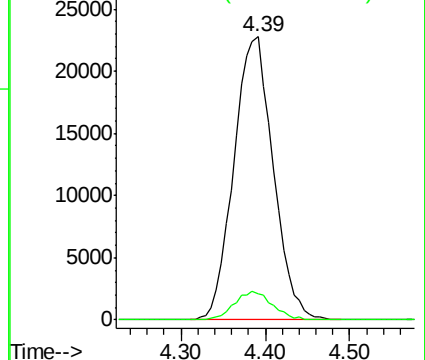
76 100

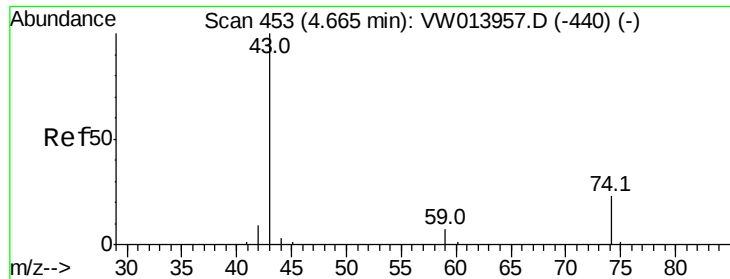
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

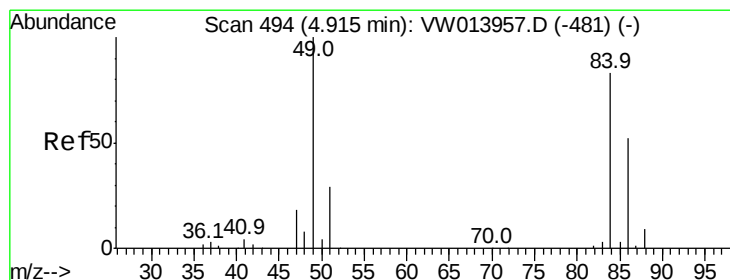
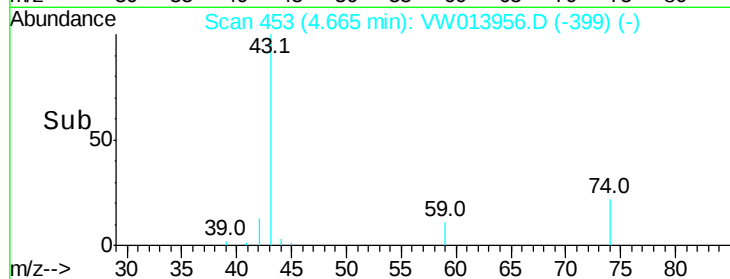
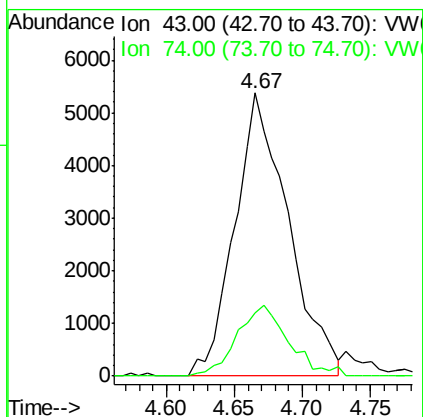
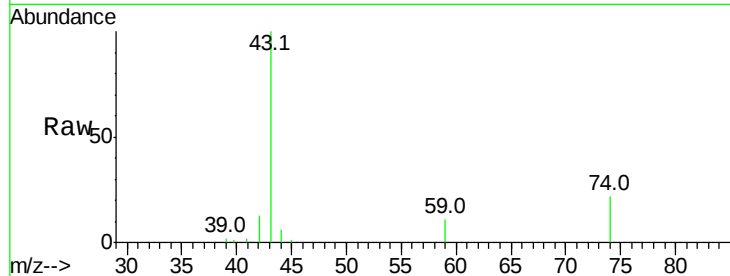




#15
Methyl Acetate
Concen: 5.032 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

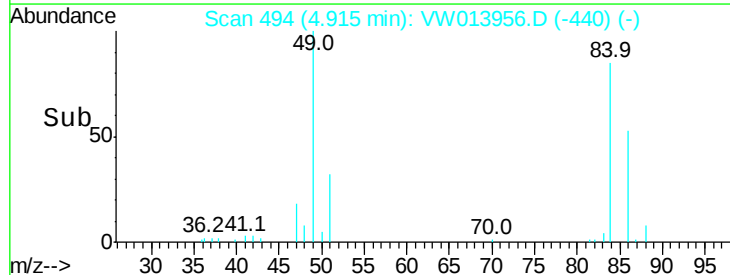
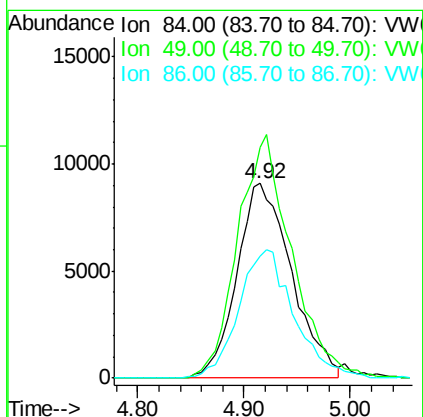
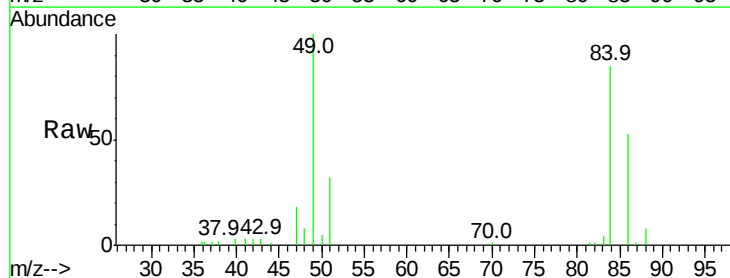
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

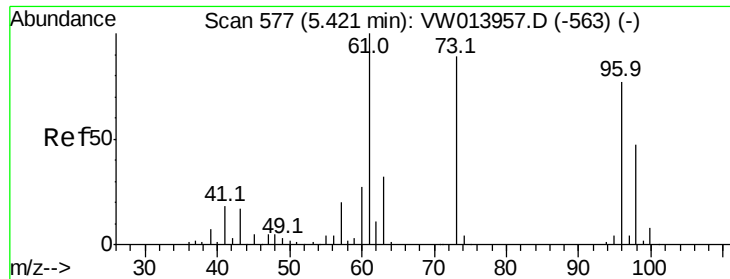
Tgt Ion: 43 Resp: 14786
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9



#16
Methylene chloride
Concen: 5.624 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion: 84 Resp: 32720
Ion Ratio Lower Upper
84 100
49 118.3 84.2 156.4
86 62.6 43.7 81.1

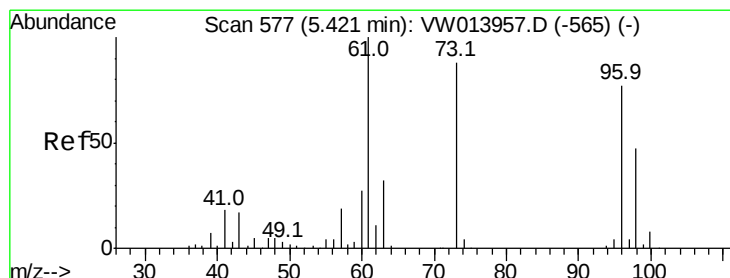
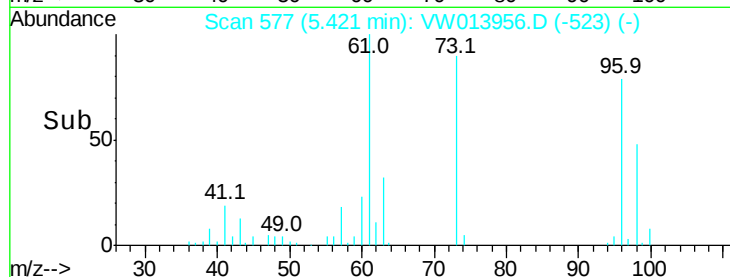
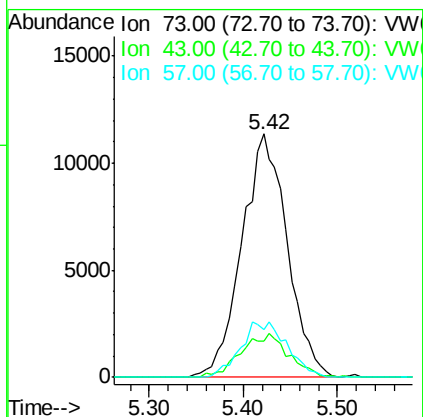
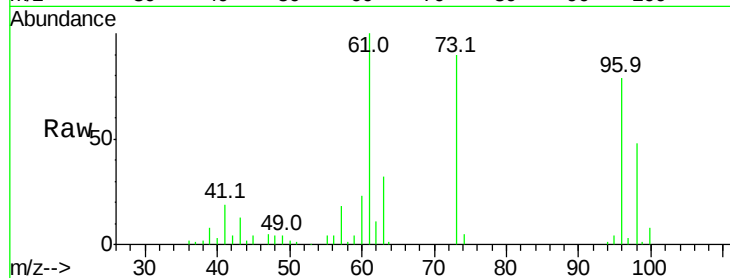




#17
Methyl tert-butyl Ether
Concen: 5.634 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

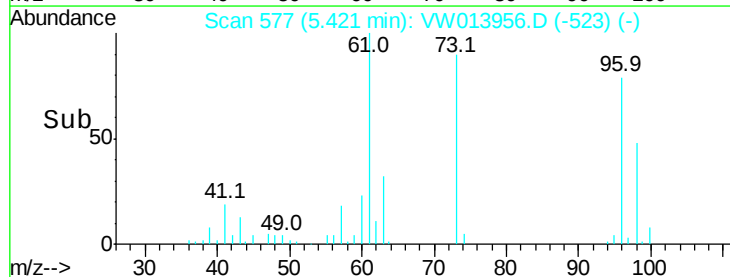
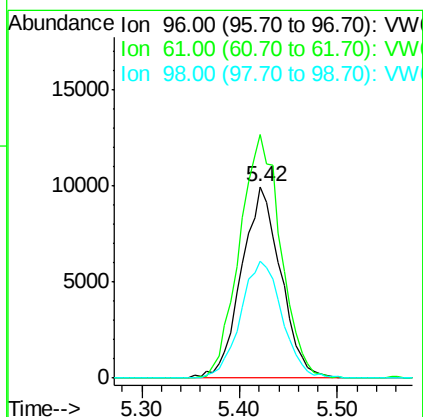
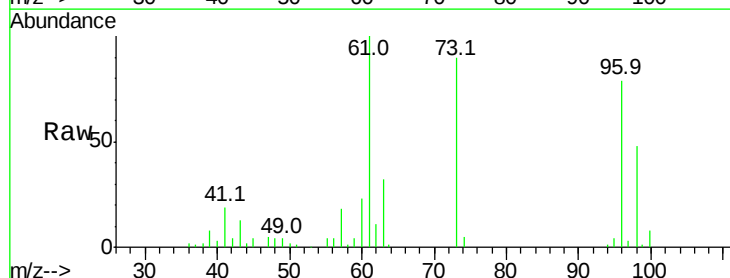
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

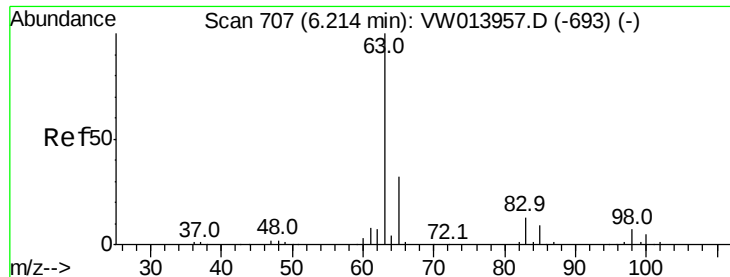
Tgt Ion: 73 Resp: 38274
Ion Ratio Lower Upper
73 100
43 9.1 15.5 23.3#
57 0.0 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 4.971 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion: 96 Resp: 27824
Ion Ratio Lower Upper
96 100
61 127.4 90.6 168.2
98 61.0 42.9 79.7

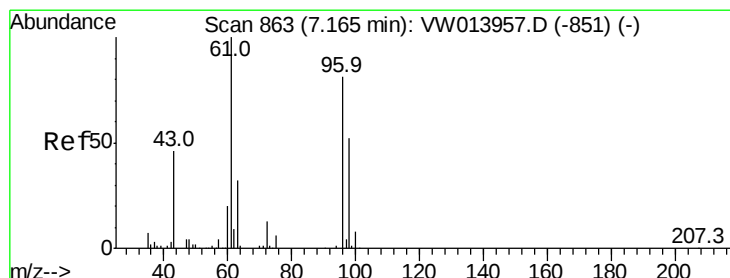
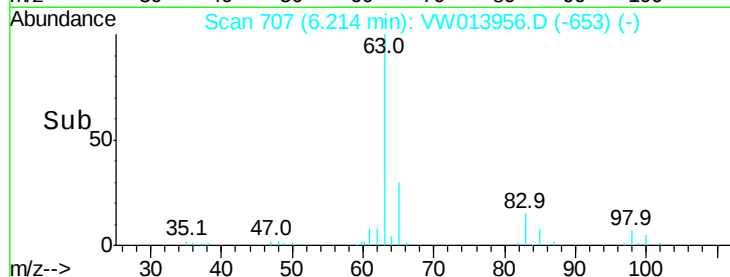
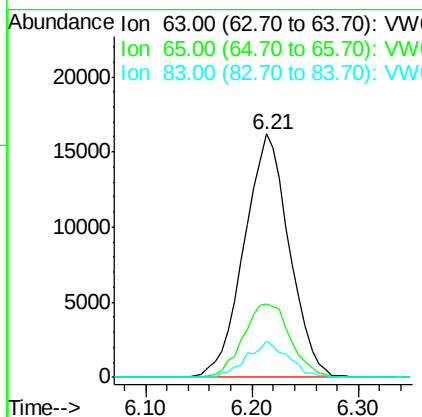
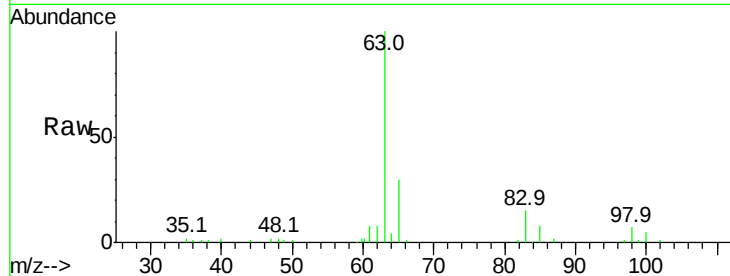




#19
 1,1-Dichloroethane
 Concen: 5.048 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

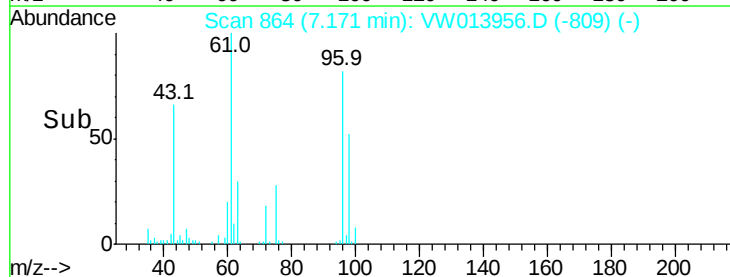
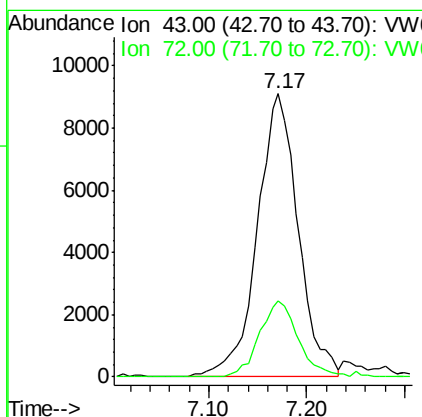
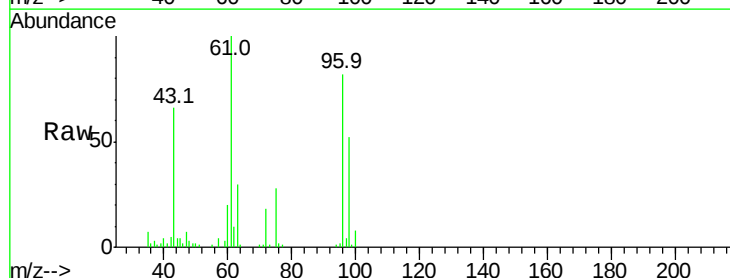
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

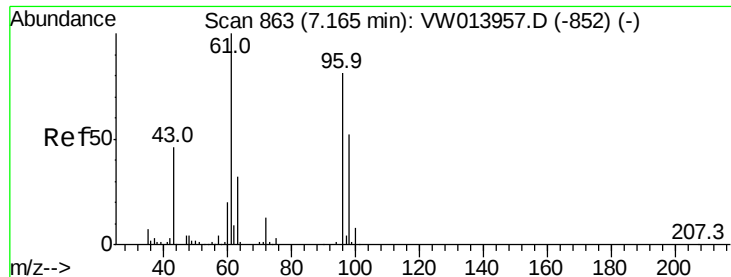
Tgt Ion: 63 Resp: 47968
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.1 41.1
 83 14.7 9.0 16.6



#21
 2-Butanone
 Concen: 11.353 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion: 43 Resp: 26443
 Ion Ratio Lower Upper
 43 100
 72 25.3 14.1 42.2



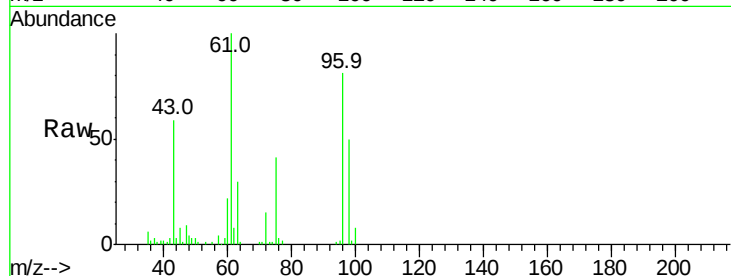


#22

cis-1,2-Dichloroethene
Concen: 5.047 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.0	86.9	161.5
98	61.4	45.5	84.5

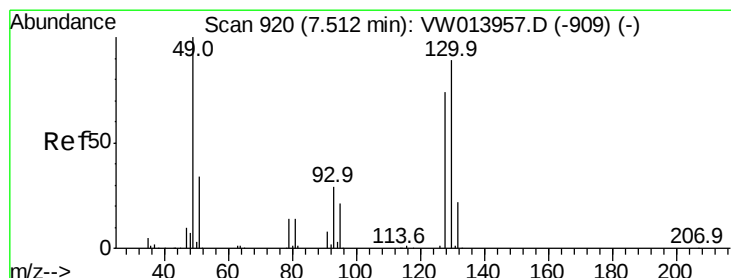
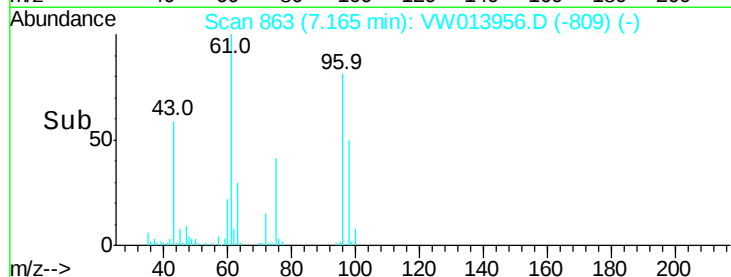
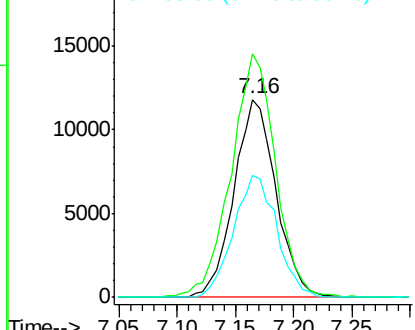


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

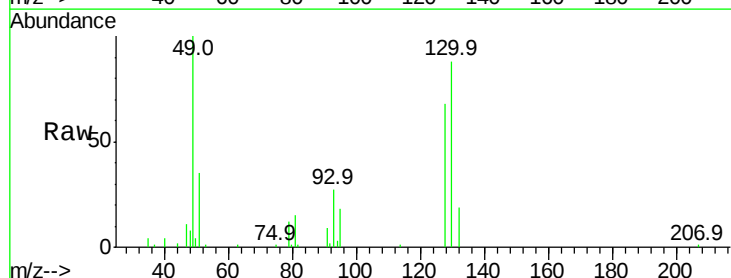
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
Concen: 4.894 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
128	100		
49	146.8	95.1	176.5
130	128.5	85.0	158.0
51	51.4	36.7	55.1



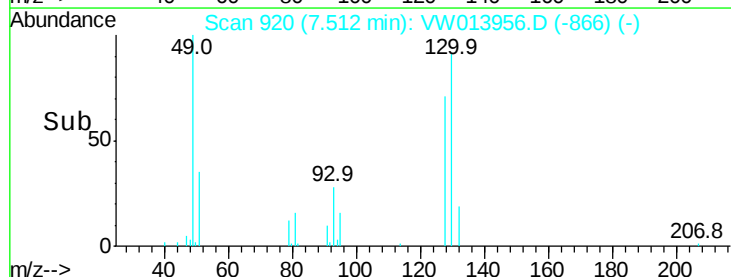
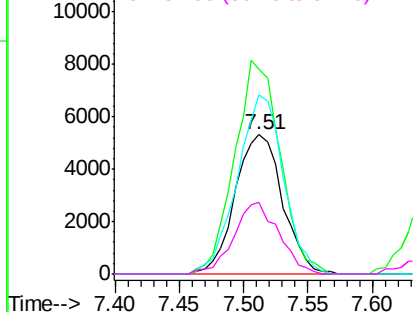
Abundance

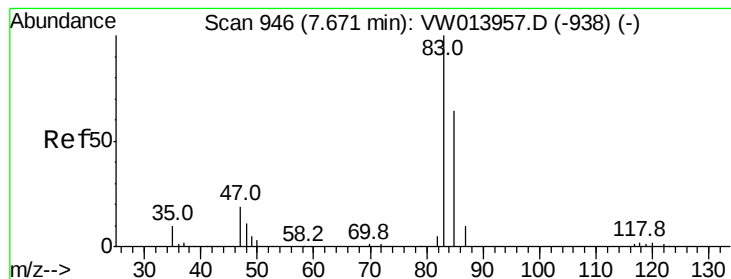
Ion 128.00 (127.70 to 128.70): VW

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: 4.970 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

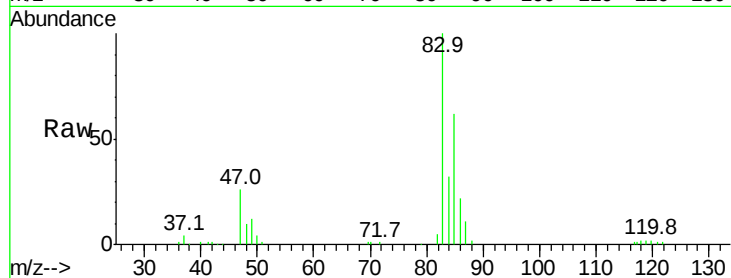
VSTD00501

Tgt Ion: 83 Resp: 47478

Ion Ratio Lower Upper

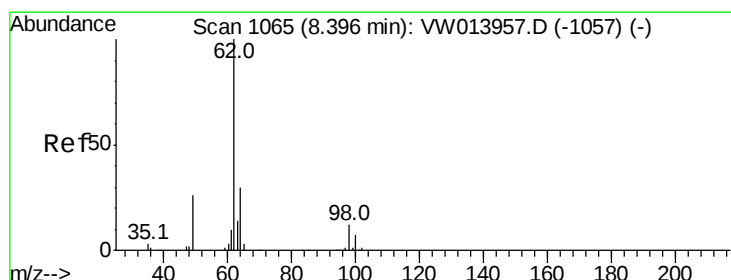
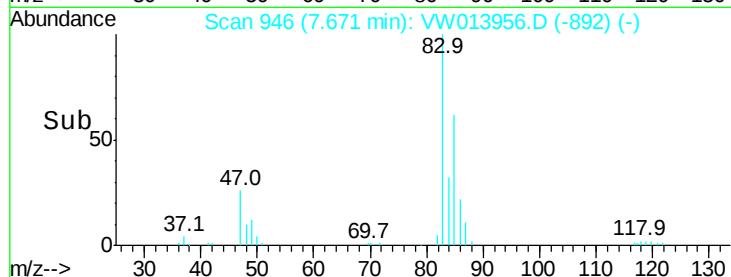
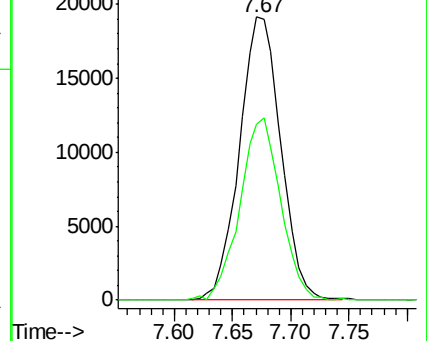
83 100

85 62.8 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 4.754 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013956.D

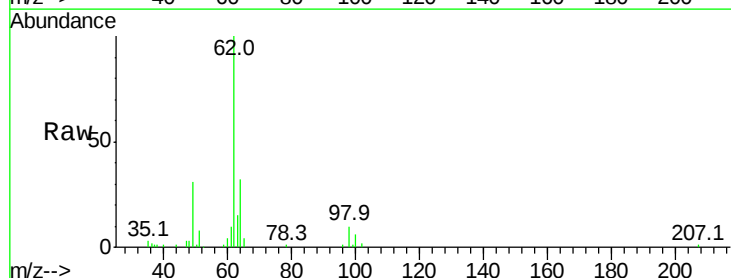
Acq: 11 Nov 2019 11:19

Tgt Ion: 62 Resp: 30042

Ion Ratio Lower Upper

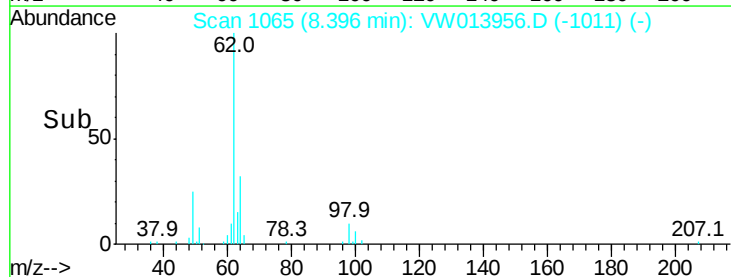
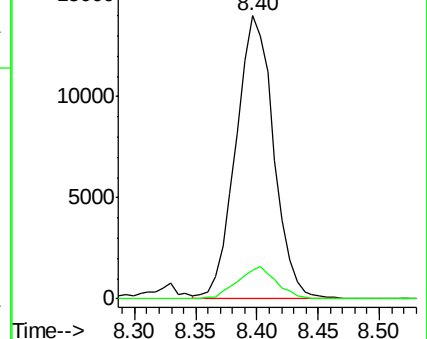
62 100

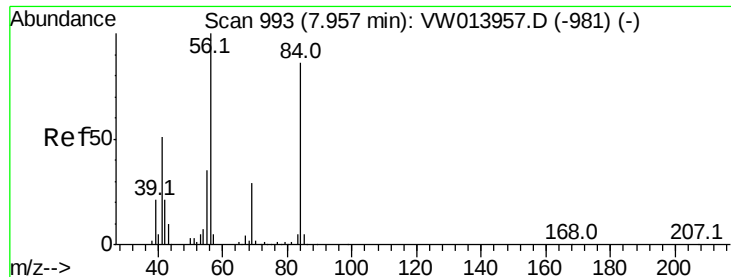
98 10.0 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

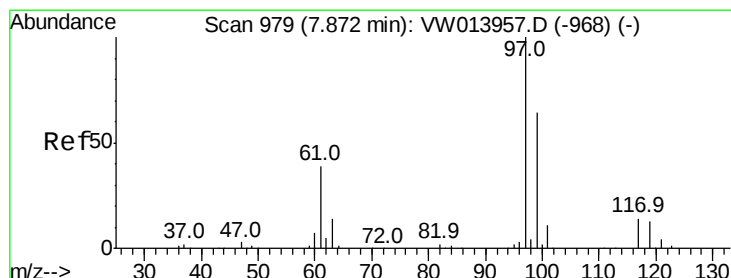
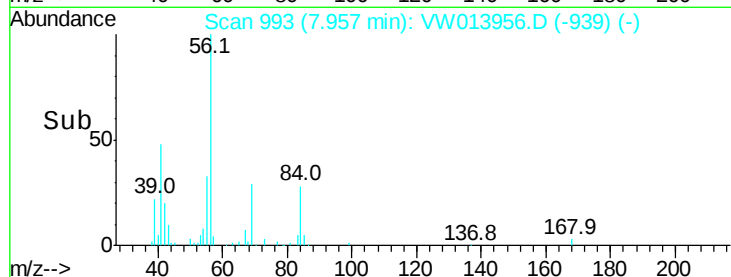
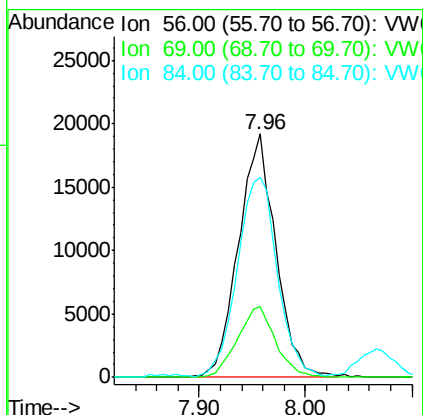
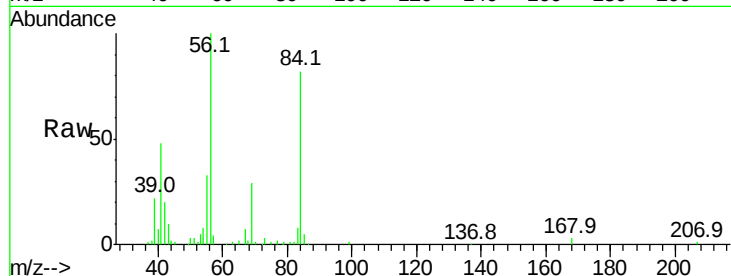




#30
Cyclohexane
Concen: 5.279 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

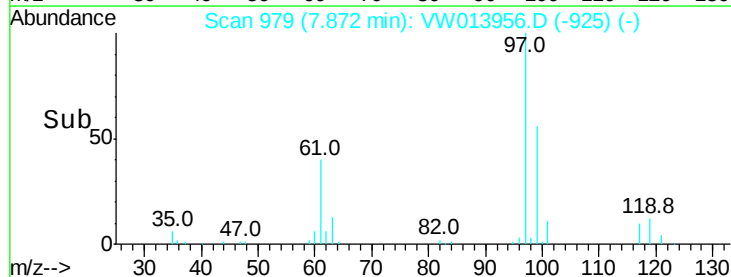
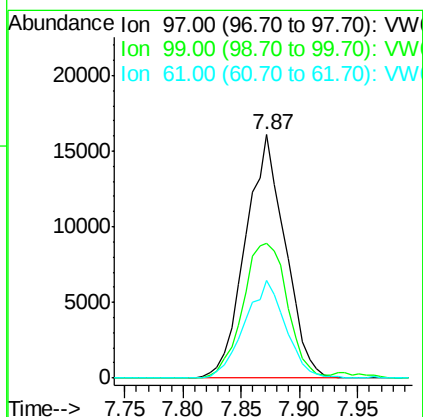
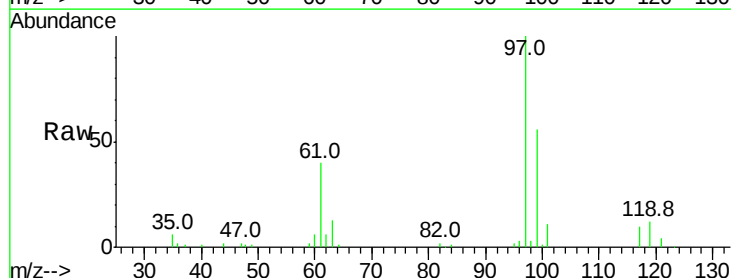
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

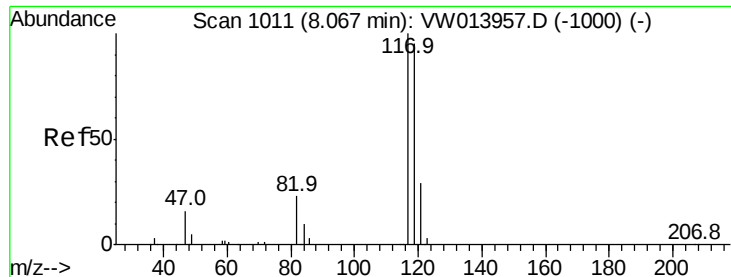
Tgt Ion: 56 Resp: 47419
Ion Ratio Lower Upper
56 100
69 29.7 24.6 37.0
84 87.6 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 5.223 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion: 97 Resp: 38071
Ion Ratio Lower Upper
97 100
99 62.2 51.1 76.7
61 41.4 32.8 49.2





#32

Carbon tetrachloride

Concen: 4.985 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

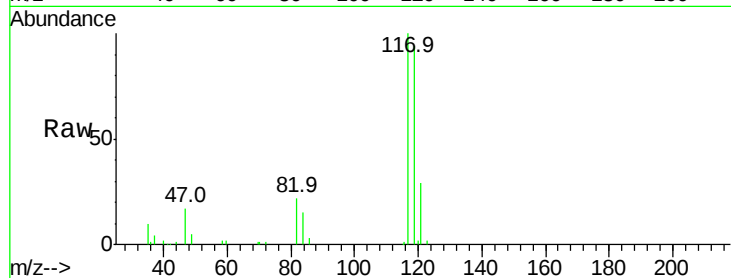
VSTD00501

Tgt Ion:117 Resp: 35536

Ion Ratio Lower Upper

117 100

119 97.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

15000

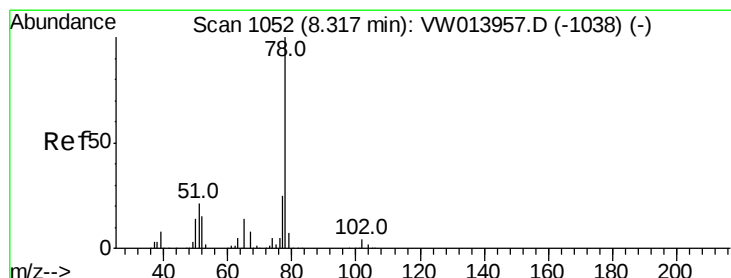
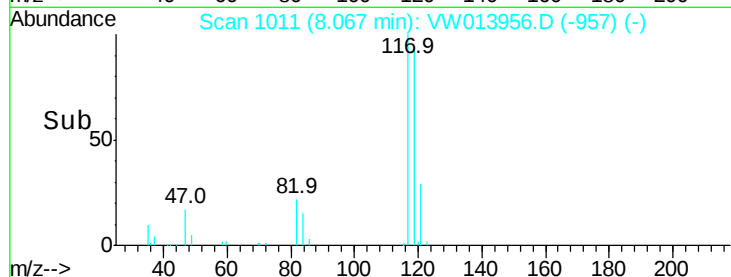
10000

5000

0

8.00 8.05 8.10 8.15

Time-->



#34

Benzene

Concen: 5.222 ug/L

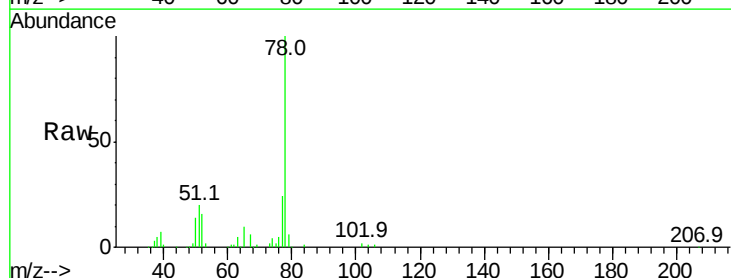
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Tgt Ion: 78 Resp: 112850



Abundance Ion 78.00 (77.70 to 78.70): VW

60000

50000

40000

30000

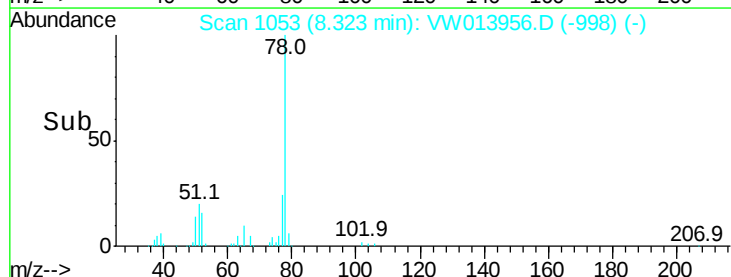
20000

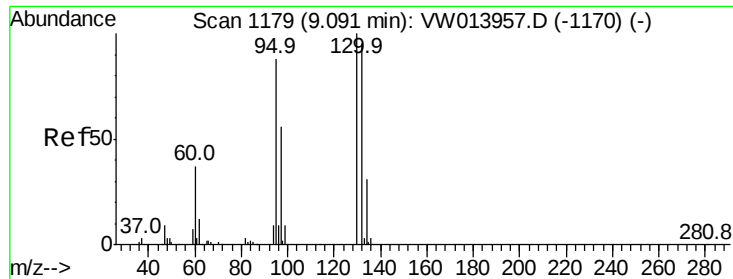
10000

0

8.20 8.30 8.40

Time-->

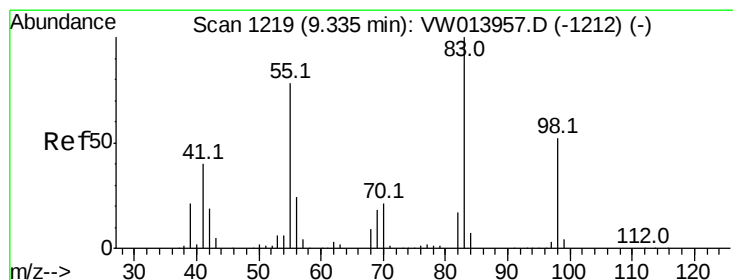
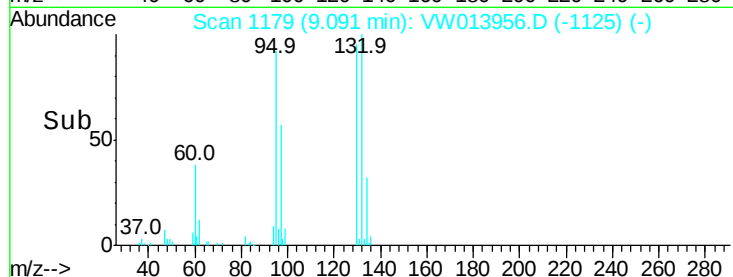
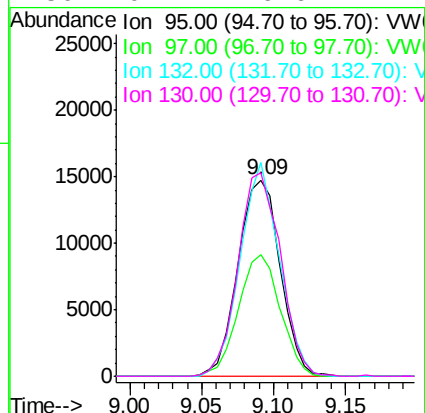
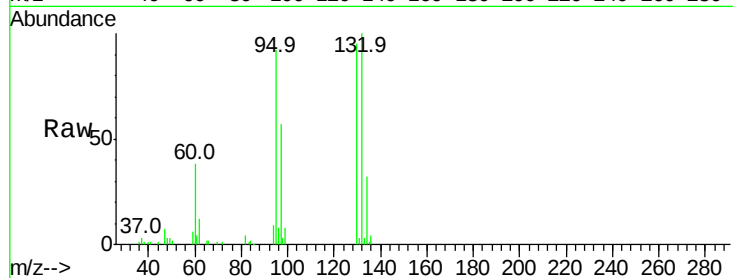




#35
 Trichloroethene
 Concen: 5.268 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

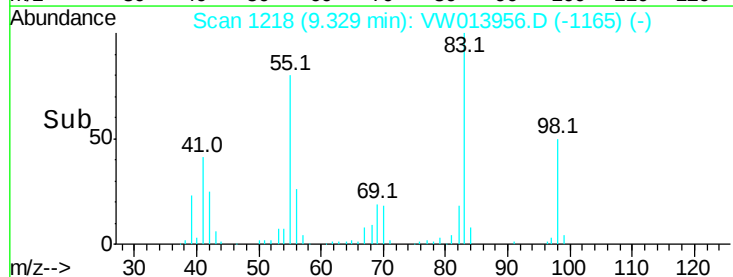
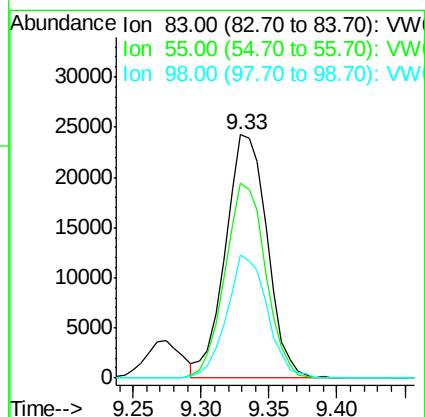
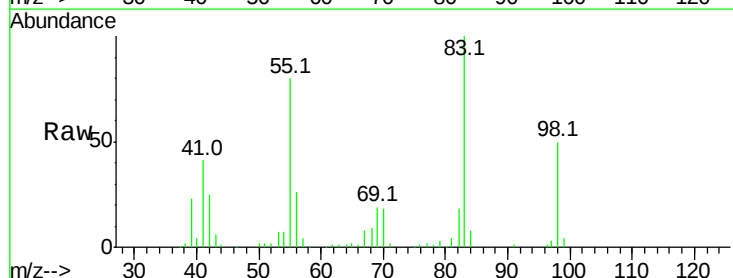
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD00501

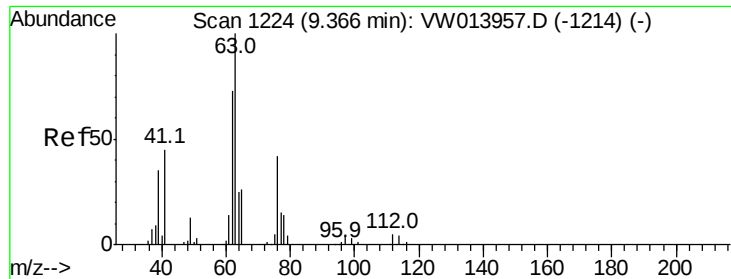
Tgt Ion:	95	Resp:	30013
Ion	Ratio	Lower	Upper
95	100		
97	61.4	45.1	83.9
132	100.9	73.7	136.9
130	104.4	76.6	142.2



#36
 Methylcyclohexane
 Concen: 5.187 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion:	83	Resp:	51866
Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.8	89.8
98	48.7	39.5	59.3





#40

1,2-Dichloropropane

Concen: 5.125 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

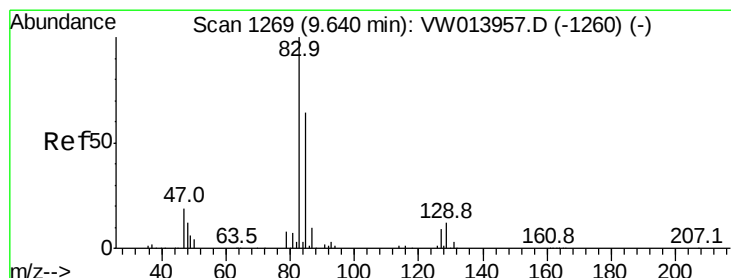
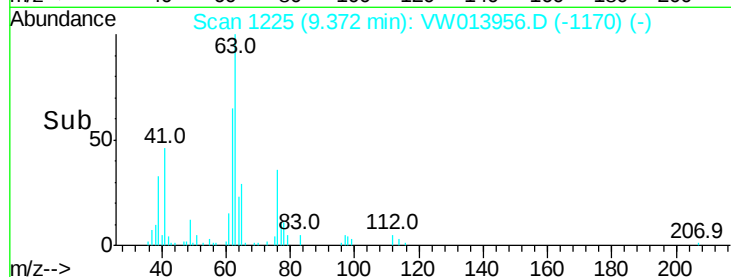
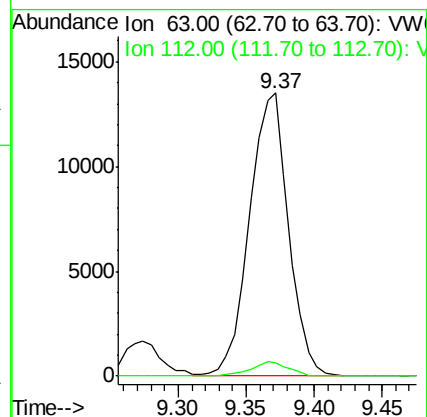
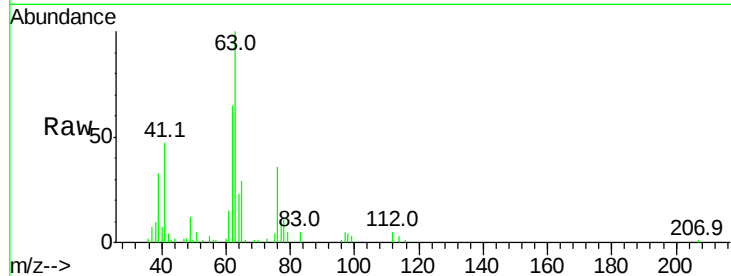
VSTD00501

Tgt Ion: 63 Resp: 27187

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#41

Bromodichloromethane

Concen: 4.851 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

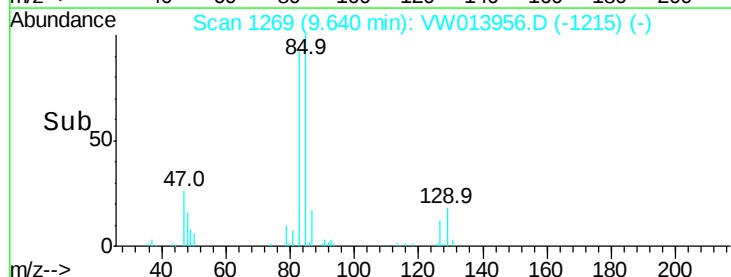
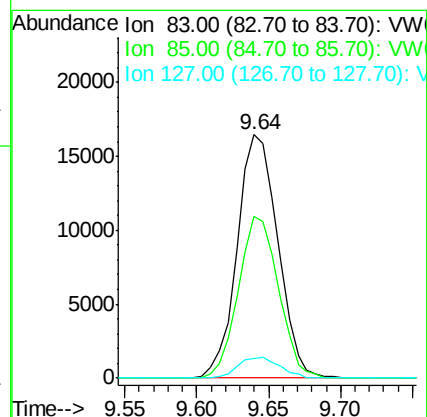
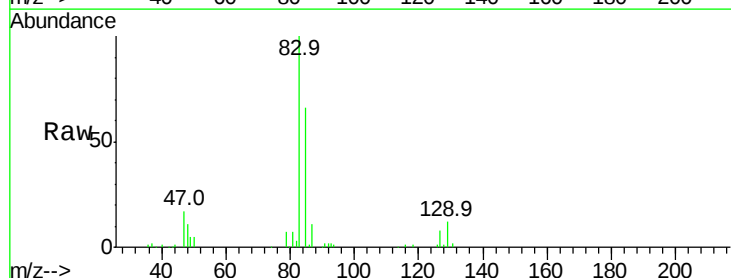
Tgt Ion: 83 Resp: 32351

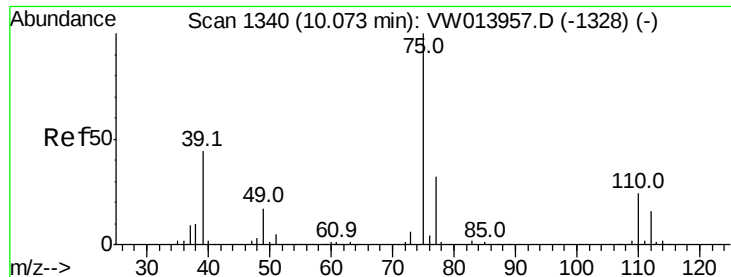
Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.7

127 8.0 7.4 11.0

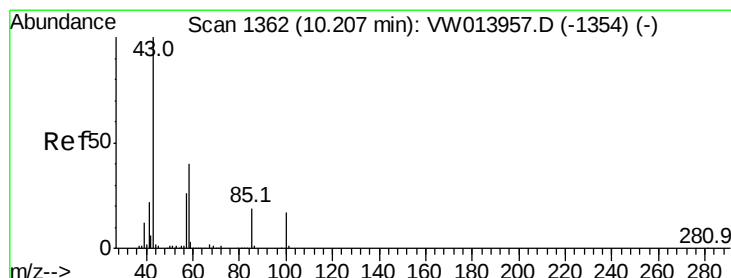
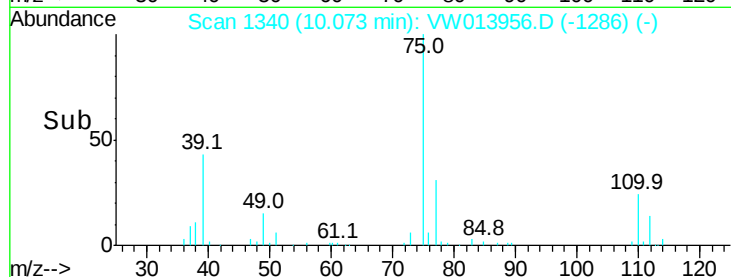
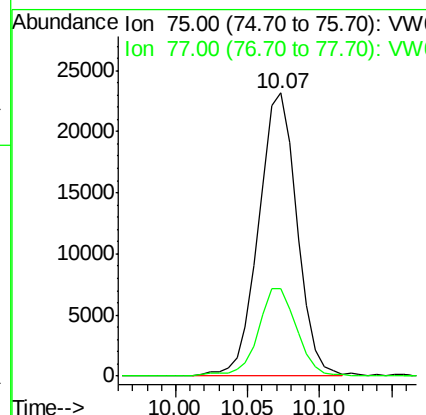
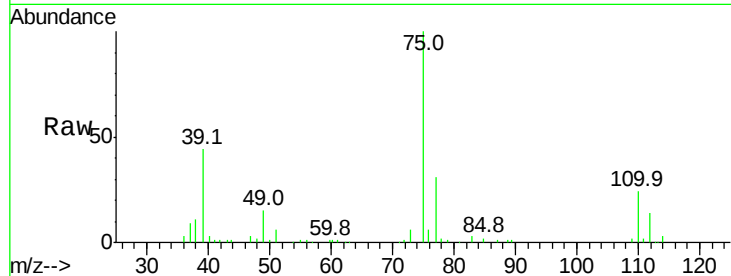




#42
 cis-1,3-Dichloropropene
 Concen: 5.098 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

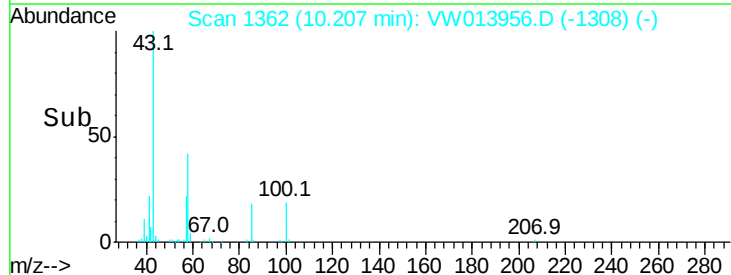
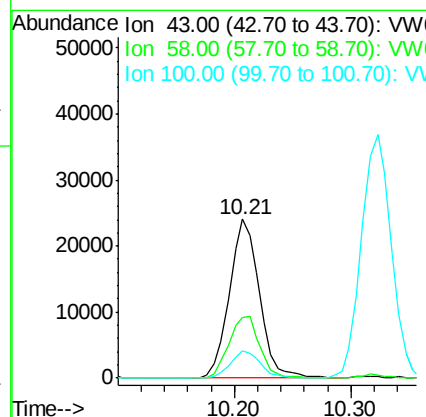
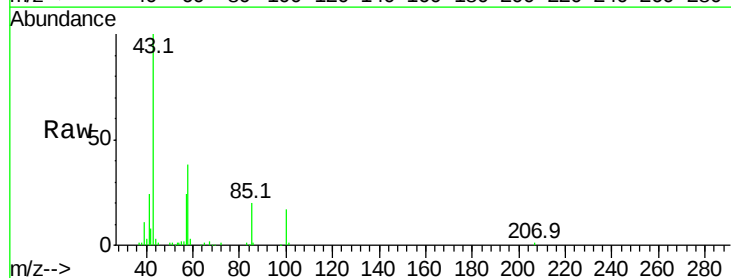
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

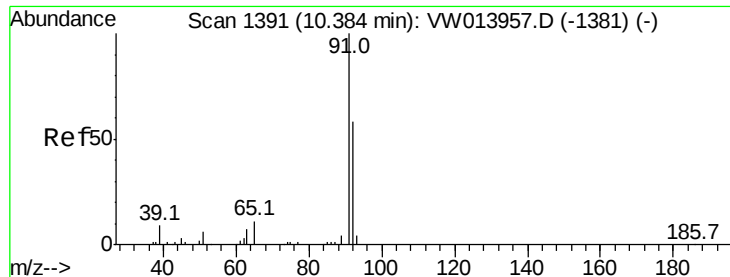
Tgt Ion: 75 Resp: 42621
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 10.613 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion: 43 Resp: 43296
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.6 49.0
 100 17.0 13.8 20.8





#44

Toluene

Concen: 5.186 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

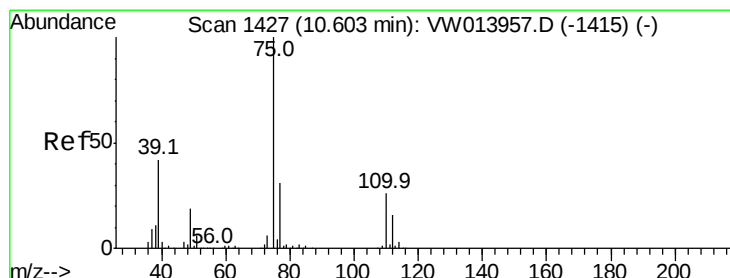
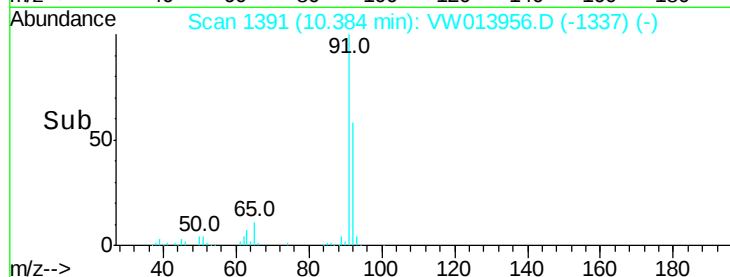
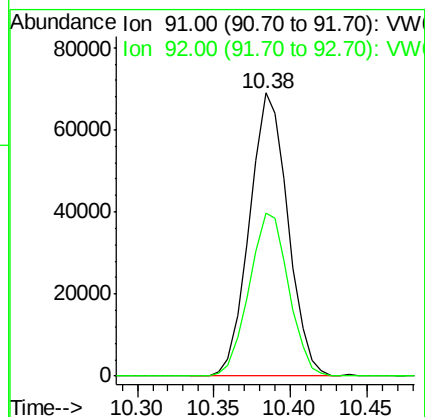
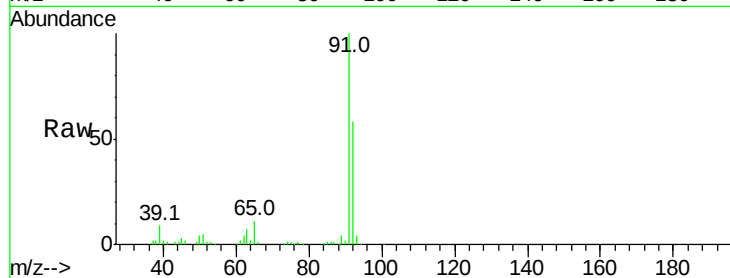
VSTD00501

Tgt Ion: 91 Resp: 120429

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 4.977 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013956.D

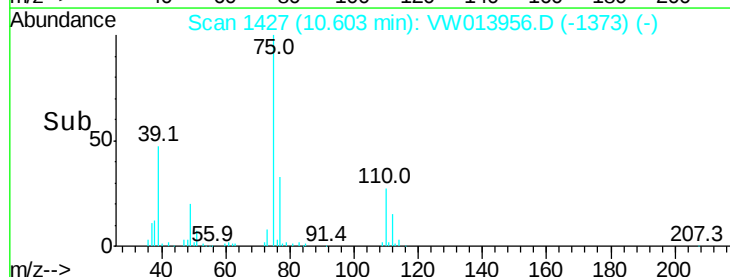
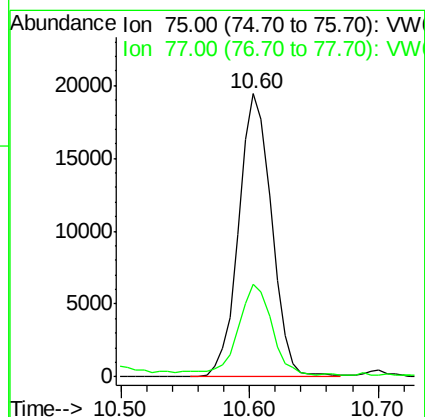
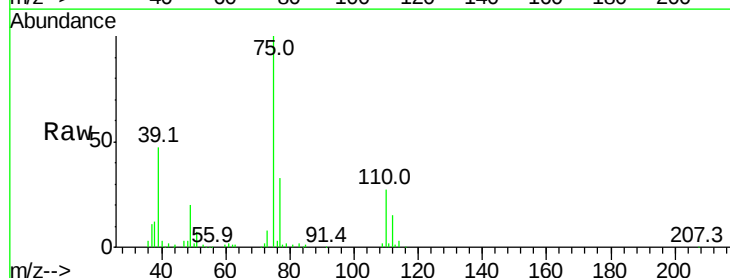
Acq: 11 Nov 2019 11:19

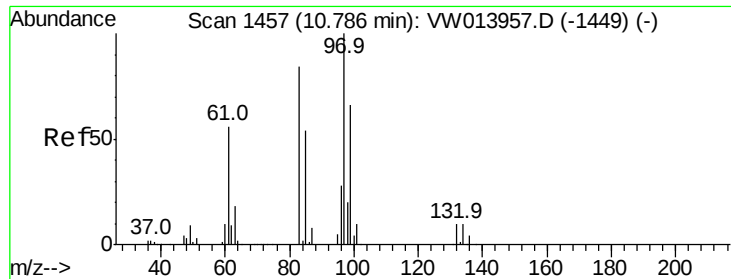
Tgt Ion: 75 Resp: 34380

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 4.970 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampled :

VSTD00501

Tgt Ion: 97 Resp: 21051

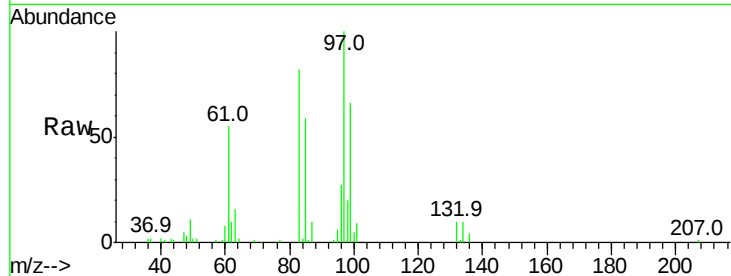
Ion Ratio Lower Upper

97 100

83 82.1 58.9 109.5

85 59.3 38.1 70.9

99 66.1 46.5 86.3

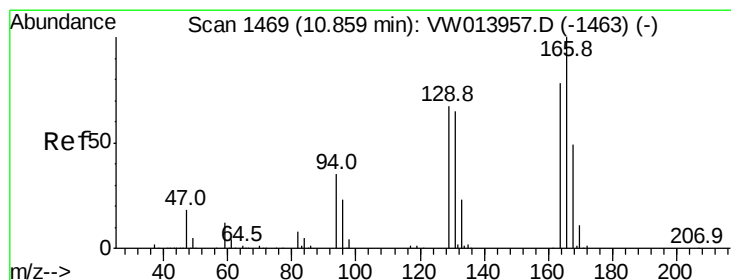
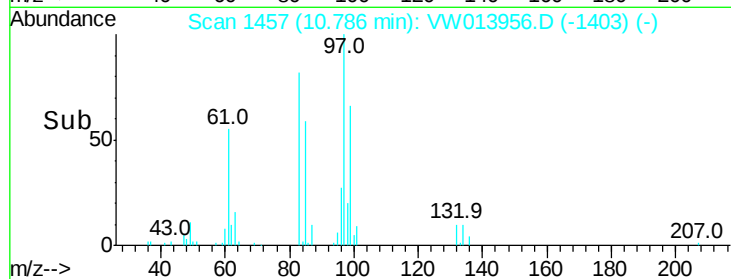
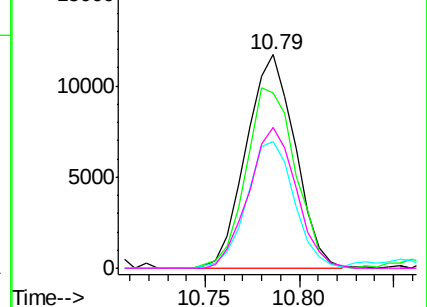


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 5.033 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Tgt Ion: 164 Resp: 26397

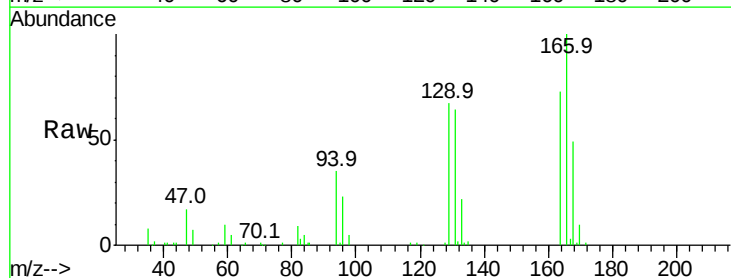
Ion Ratio Lower Upper

164 100

129 91.5 60.6 112.6

131 87.4 59.1 109.7

166 136.2 90.8 168.6

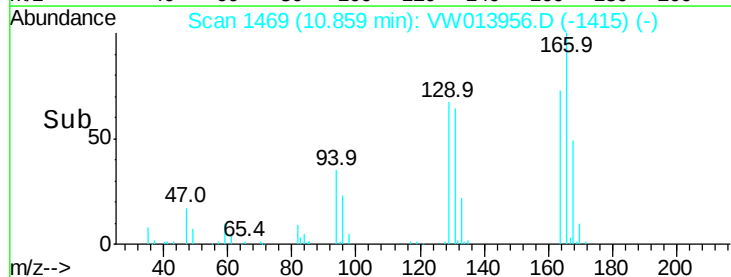
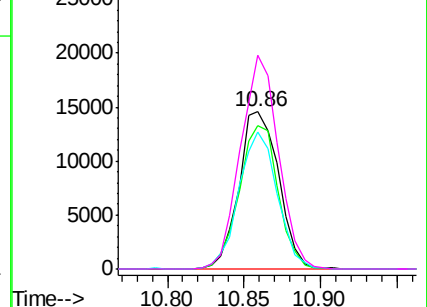


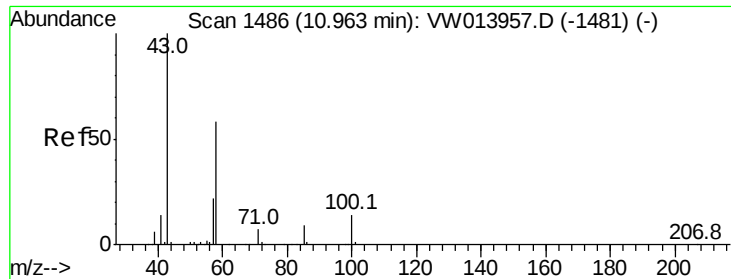
Abundance Ion 164.00 (163.70 to 164.70): V

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

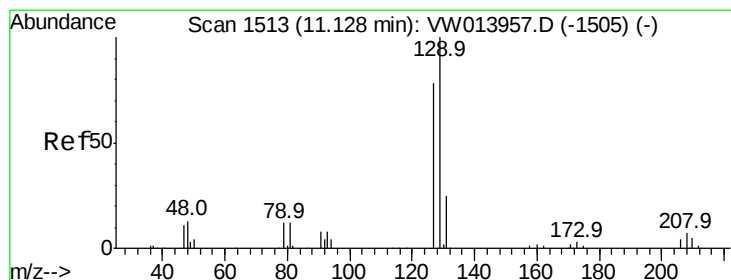
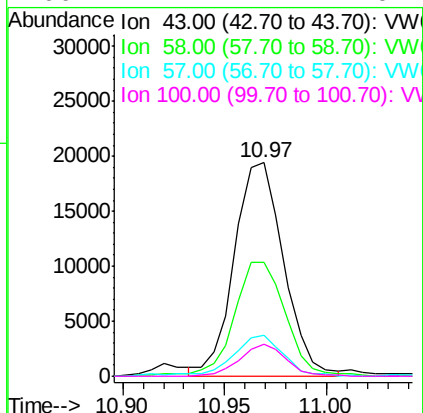
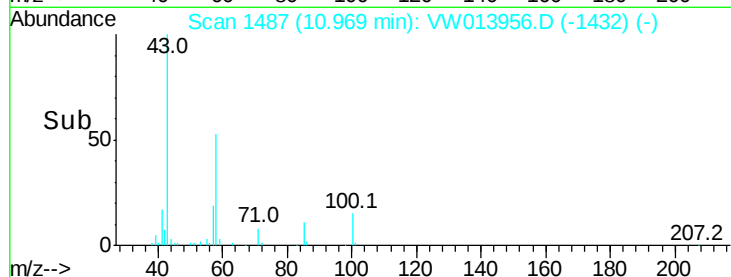
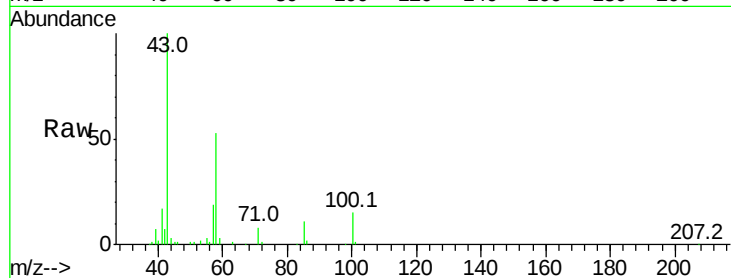




#49
2-Hexanone
Concen: 10.894 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

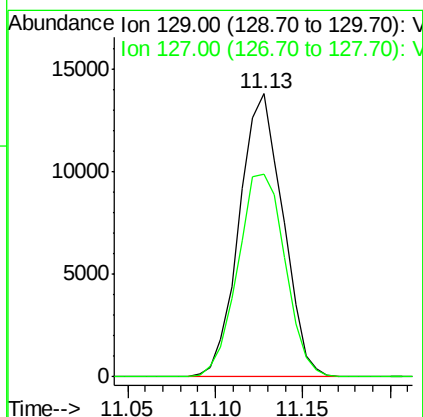
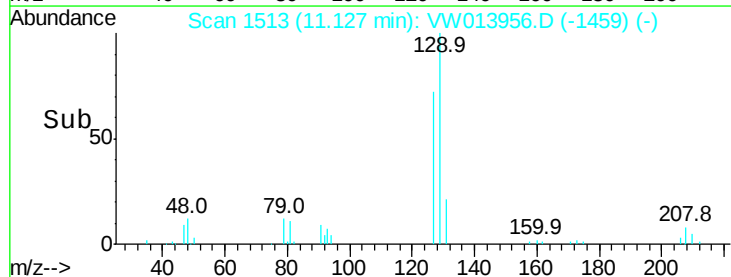
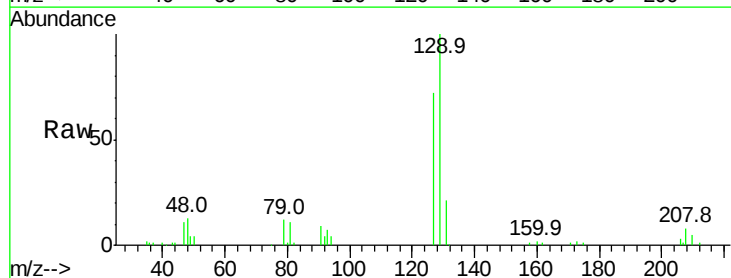
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

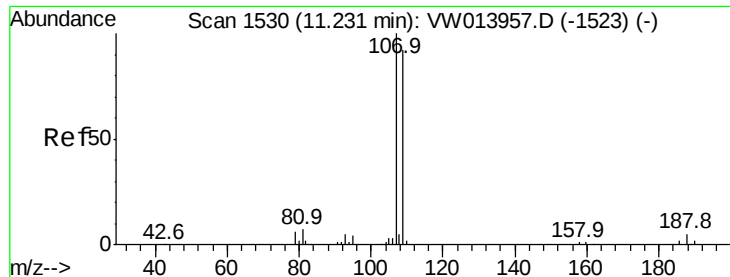
Tgt Ion: 43 Resp: 32648
Ion Ratio Lower Upper
43 100
58 55.1 44.4 66.6
57 19.1 16.5 24.7
100 14.1 11.1 16.7



#50
Dibromochloromethane
Concen: 4.882 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion: 129 Resp: 24007
Ion Ratio Lower Upper
129 100
127 71.7 54.9 102.1

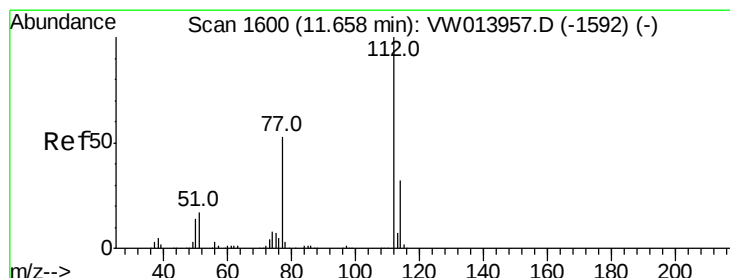
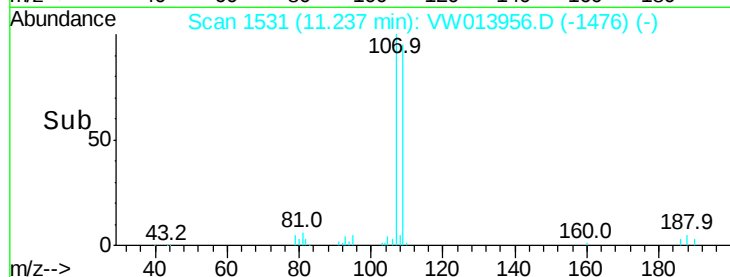
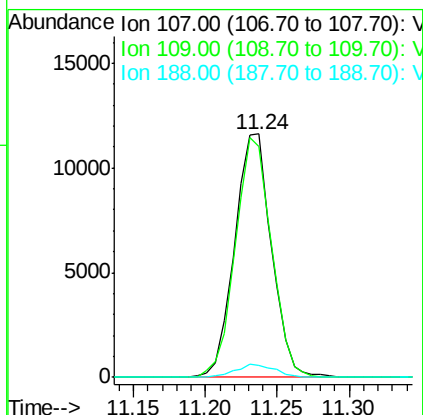
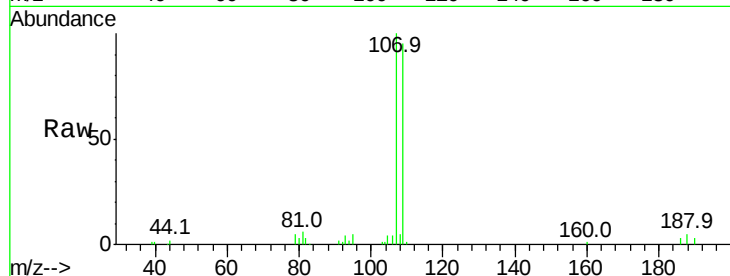




#51
1,2-Dibromoethane
Concen: 4.933 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

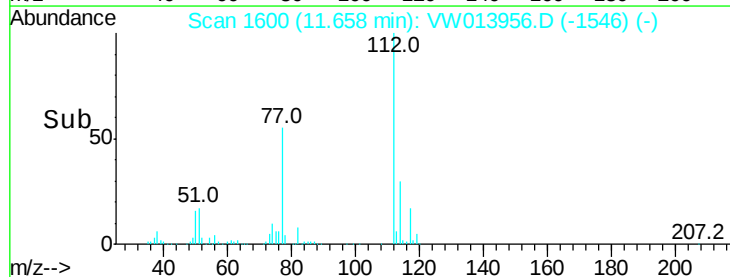
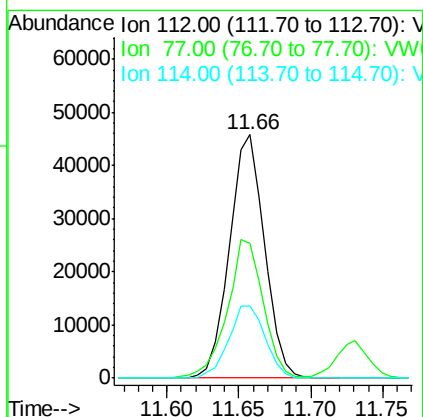
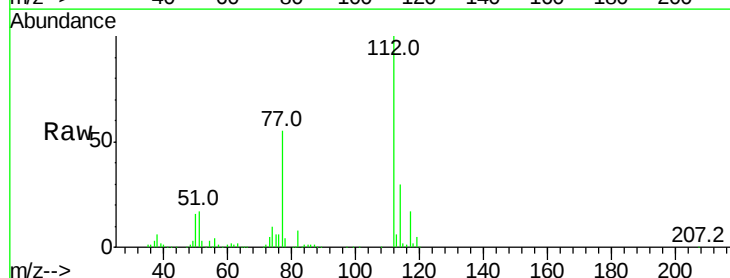
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

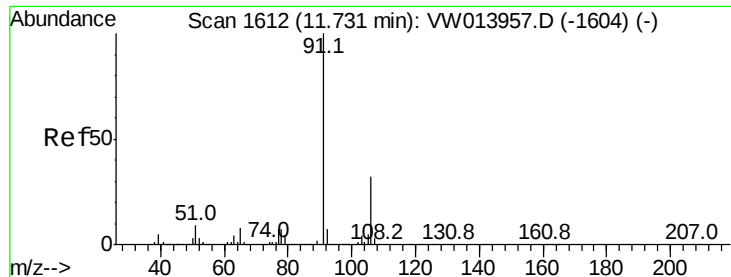
Tgt Ion:107 Resp: 20658
Ion Ratio Lower Upper
107 100
109 95.0 64.6 120.0
188 4.7 3.9 5.9



#52
Chlorobenzene
Concen: 5.198 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion:112 Resp: 77844
Ion Ratio Lower Upper
112 100
77 55.3 42.2 63.4
114 29.8 22.5 41.9





#53

Ethylbenzene

Concen: 5.066 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

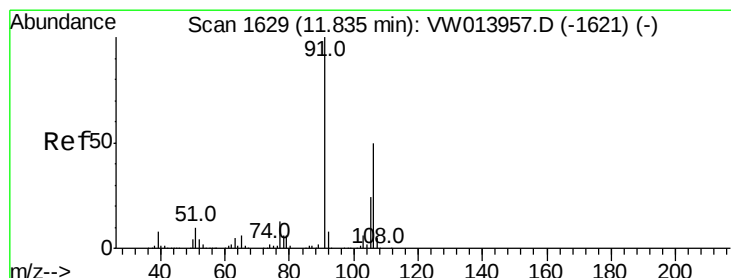
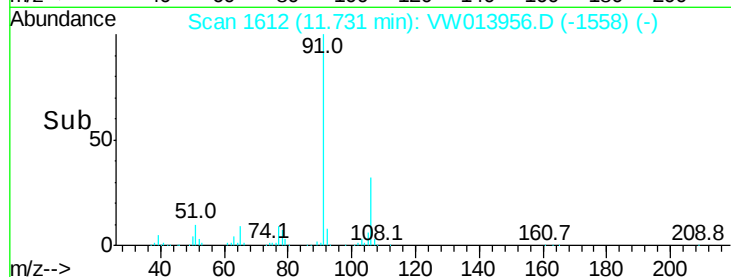
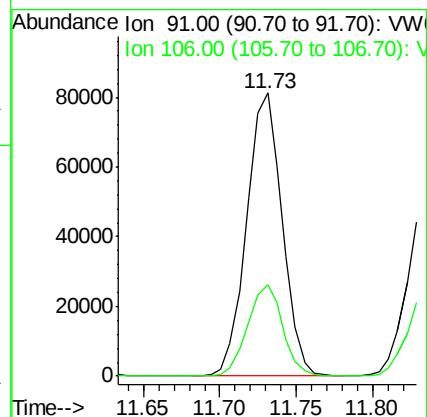
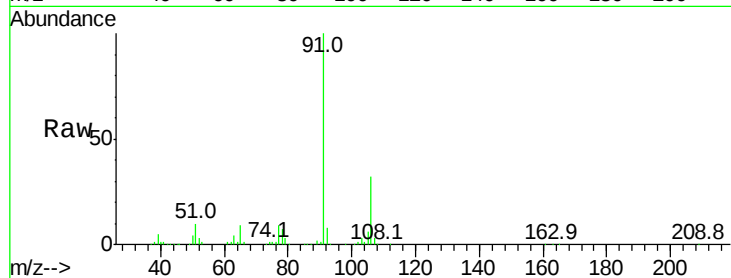
VSTD00501

Tgt Ion: 91 Resp: 130962

Ion Ratio Lower Upper

91 100

106 32.3 22.3 41.5



#54

m,p-Xylene

Concen: 5.062 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW013956.D

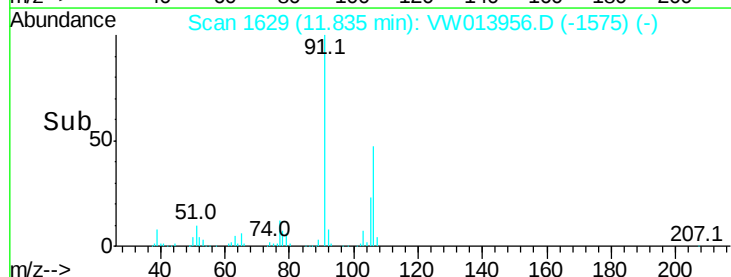
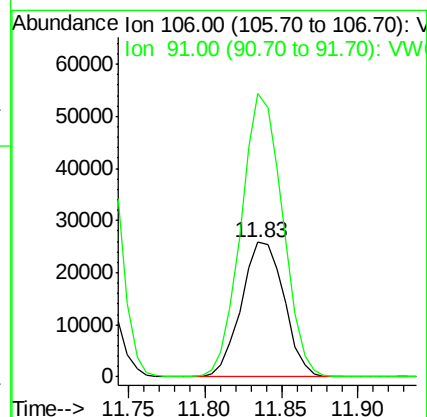
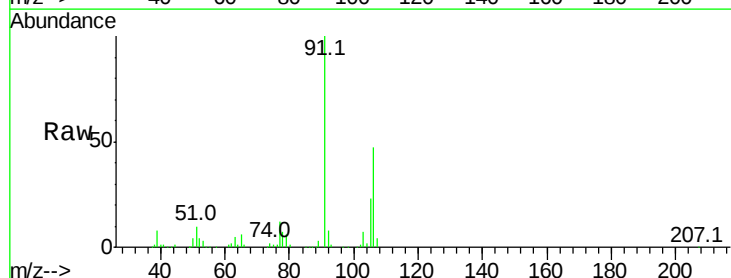
Acq: 11 Nov 2019 11:19

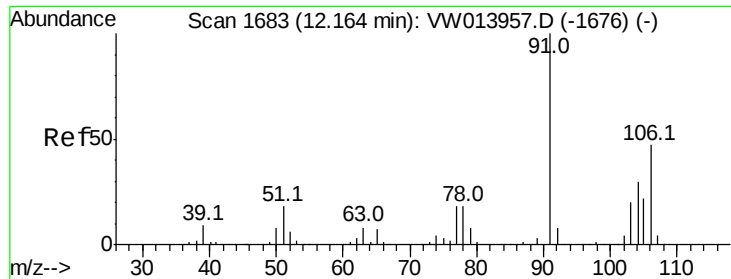
Tgt Ion: 106 Resp: 50433

Ion Ratio Lower Upper

106 100

91 210.6 138.7 257.5

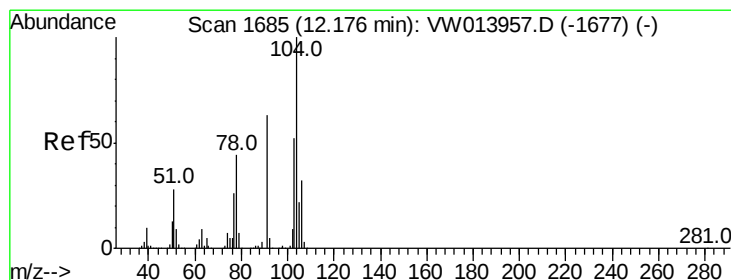
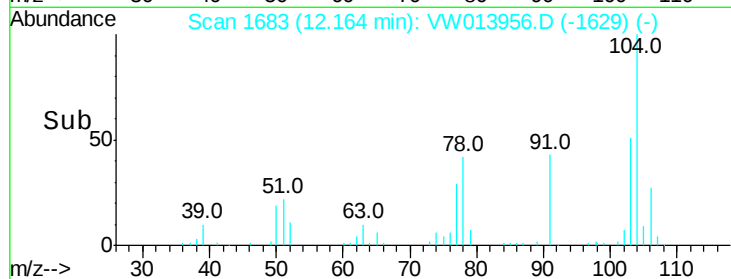
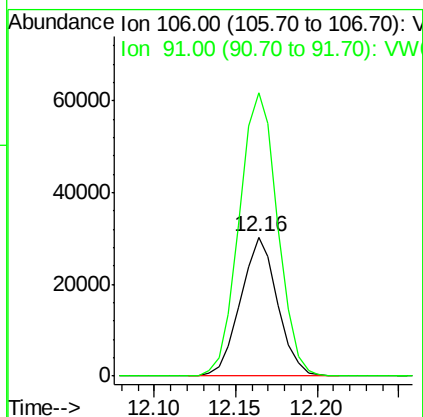
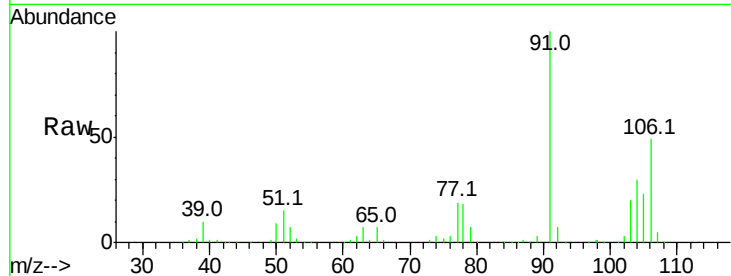




#55
o-xylene
Concen: 5.070 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

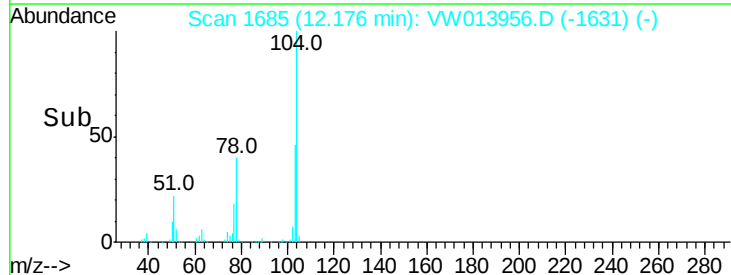
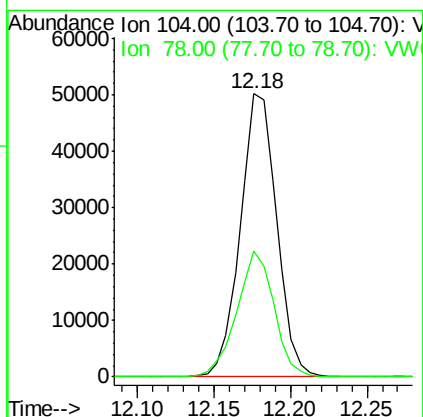
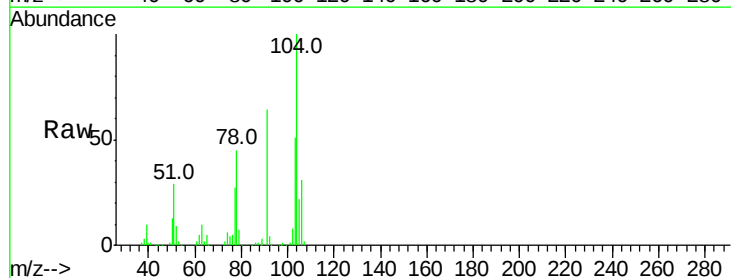
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

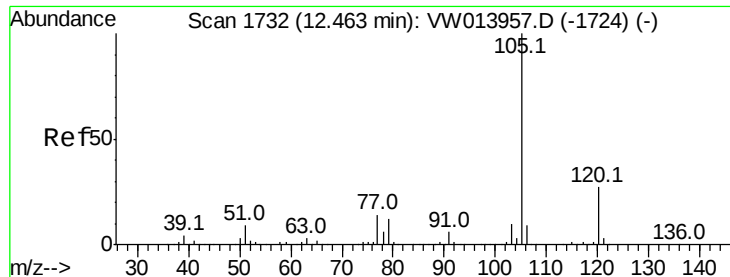
Tgt Ion:106 Resp: 47743
Ion Ratio Lower Upper
106 100
91 203.5 148.3 275.5



#56
Styrene
Concen: 5.093 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013956.D
Acq: 11 Nov 2019 11:19

Tgt Ion:104 Resp: 82770
Ion Ratio Lower Upper
104 100
78 44.6 30.6 56.8





#57

Isopropylbenzene

Concen: 5.269 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

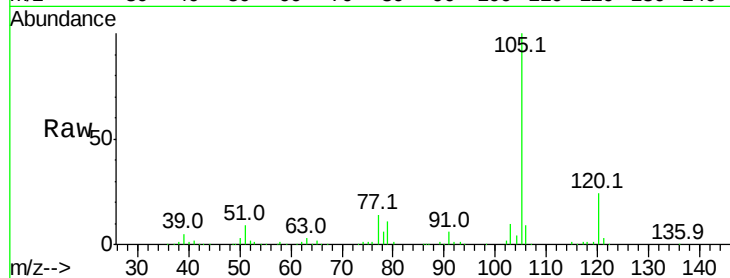
Tgt Ion: 105 Resp: 133788

Ion Ratio Lower Upper

105 100

120 25.8 21.6 32.4

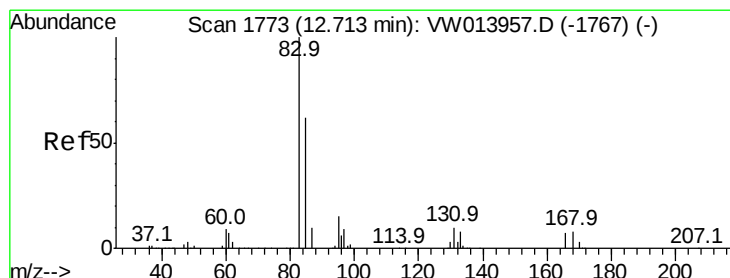
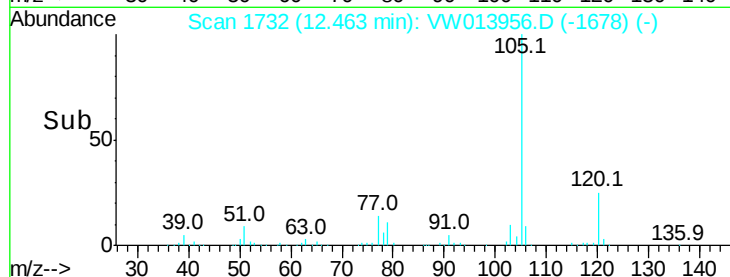
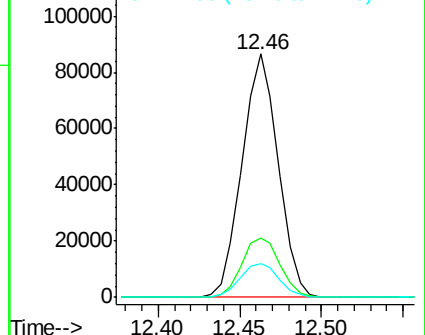
77 14.9 11.6 17.4



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: 4.935 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

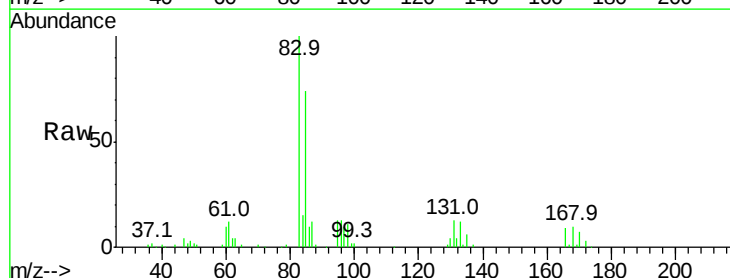
Tgt Ion: 83 Resp: 26324

Ion Ratio Lower Upper

83 100

85 74.5 43.7 81.1

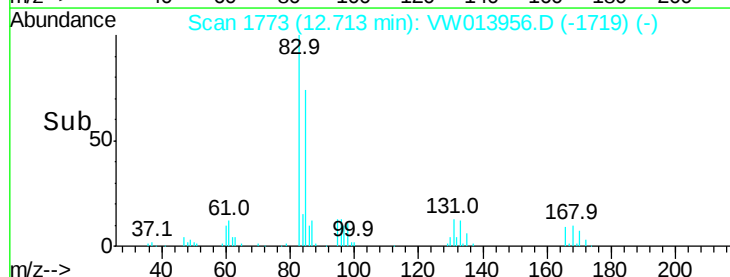
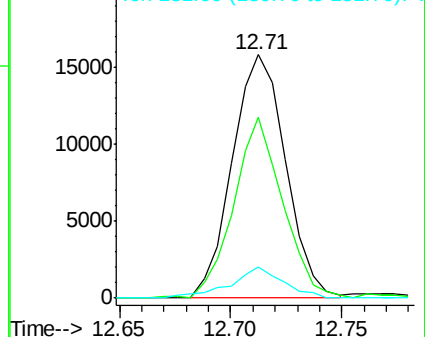
131 12.9 8.2 12.2#

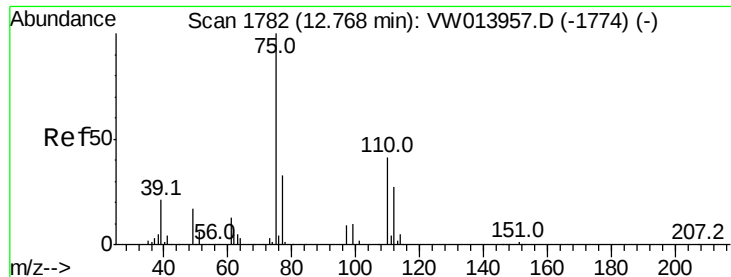


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

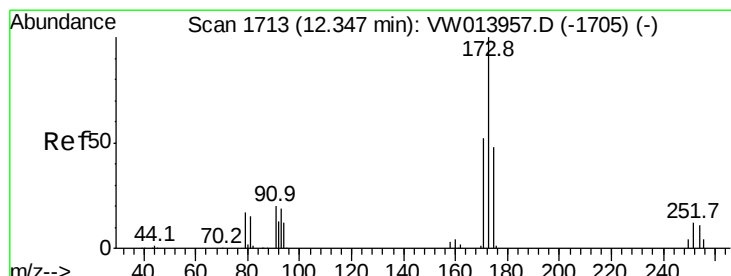
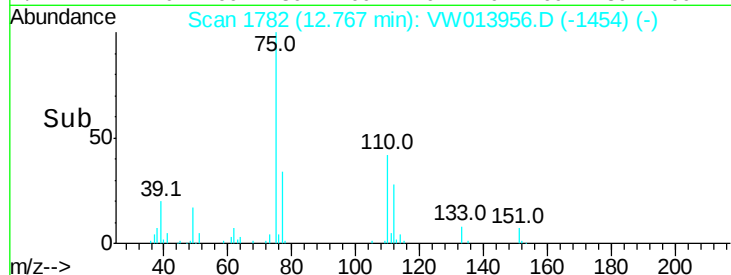
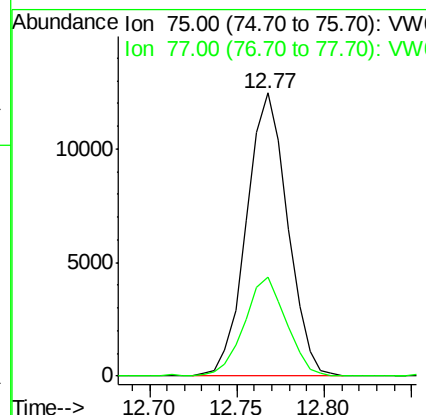
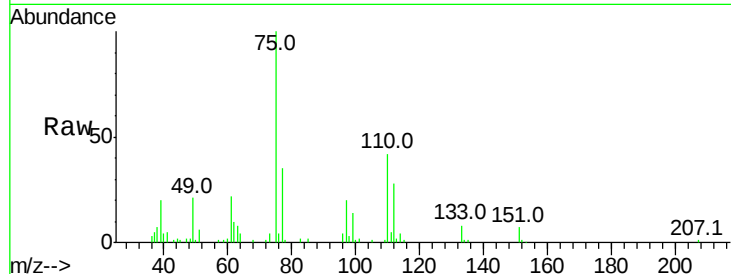




#59
 1,2,3-Trichloropropane
 Concen: 5.099 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

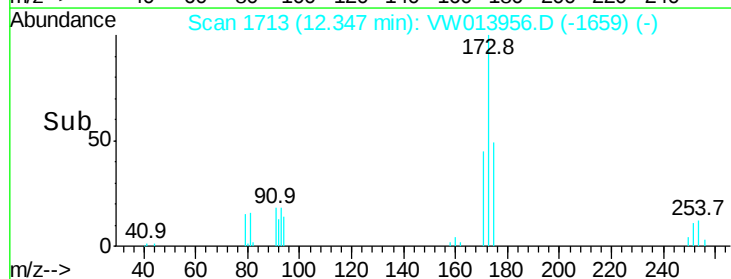
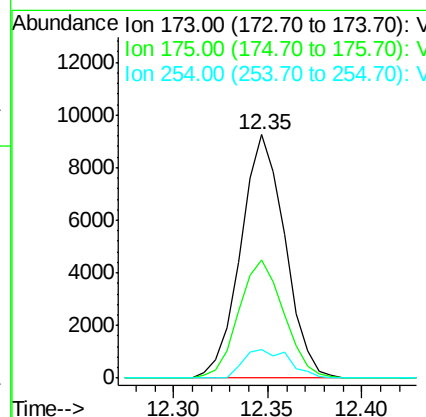
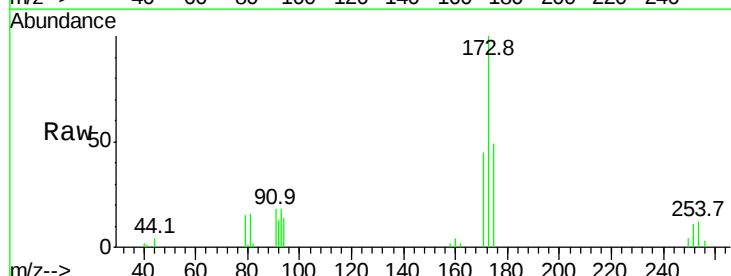
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

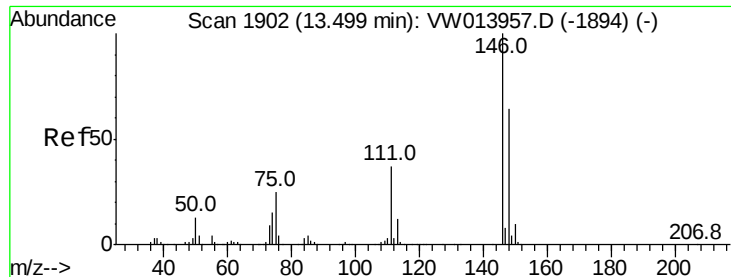
Tgt Ion: 75 Resp: 20421
 Ion Ratio Lower Upper
 75 100
 77 35.3 25.9 38.9



#62
 Bromoform
 Concen: 4.859 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion: 173 Resp: 15096
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.8 58.2
 254 12.2 9.4 14.0

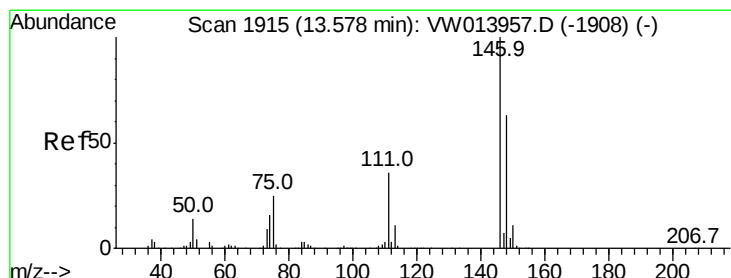
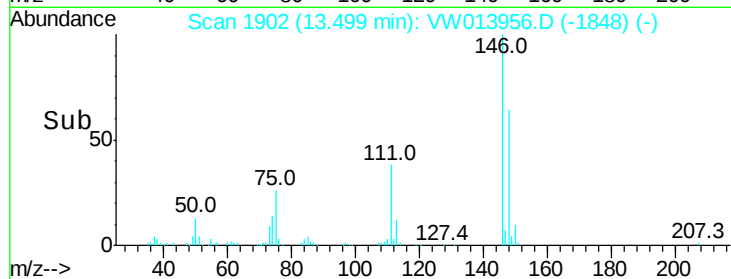
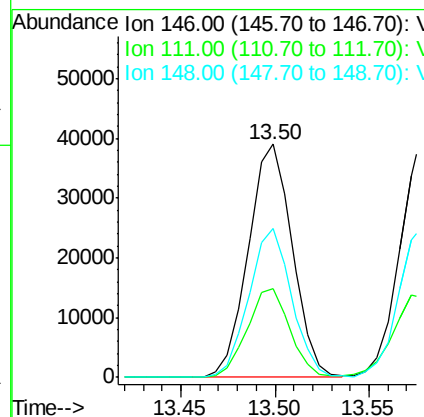
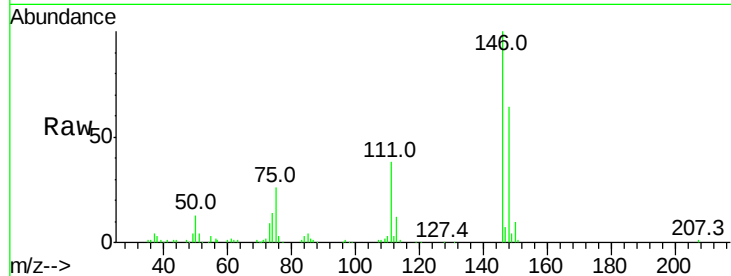




#63
 1,3-Dichlorobenzene
 Concen: 5.336 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

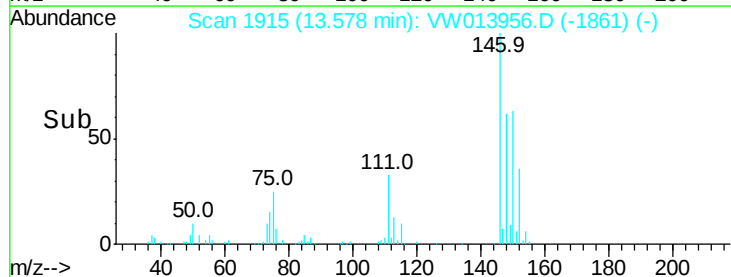
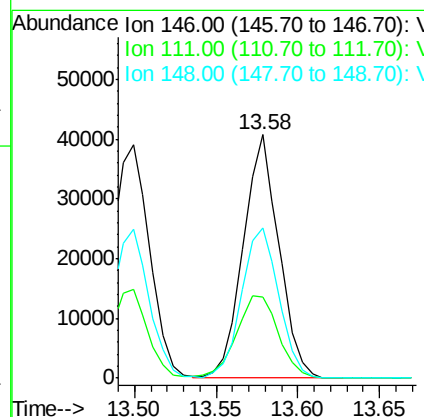
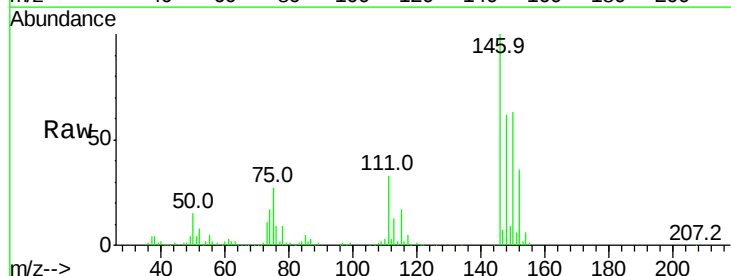
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

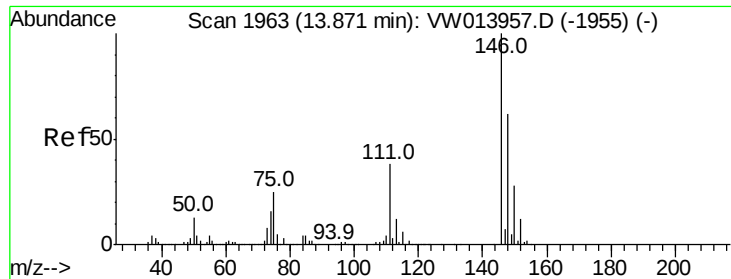
Tgt Ion:146 Resp: 63138
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.0 48.2
 148 63.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 5.229 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion:146 Resp: 62031
 Ion Ratio Lower Upper
 146 100
 111 33.3 24.9 46.3
 148 61.6 43.9 81.5

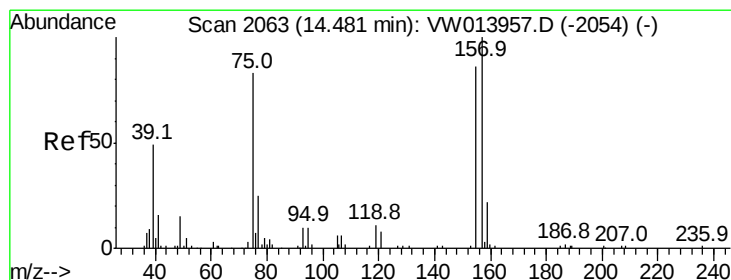
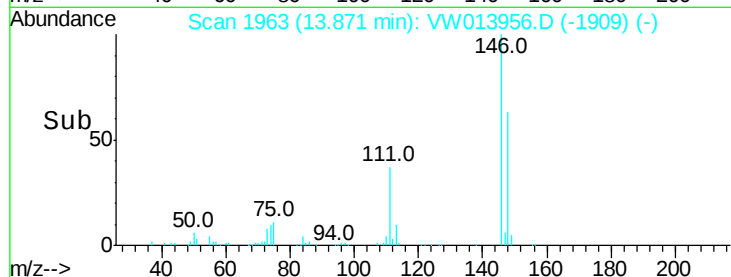
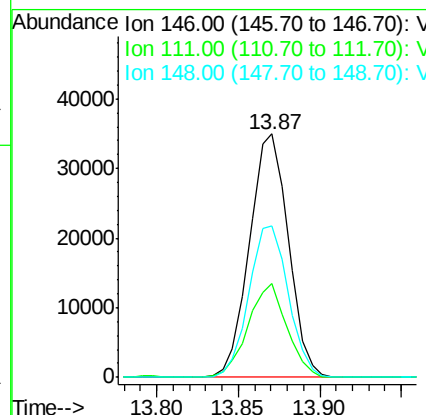
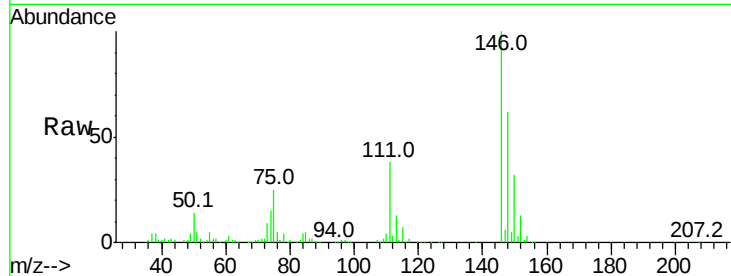




#65
 1,2-Dichlorobenzene
 Concen: 5.430 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

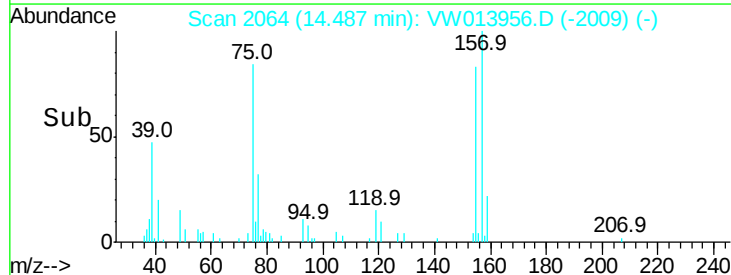
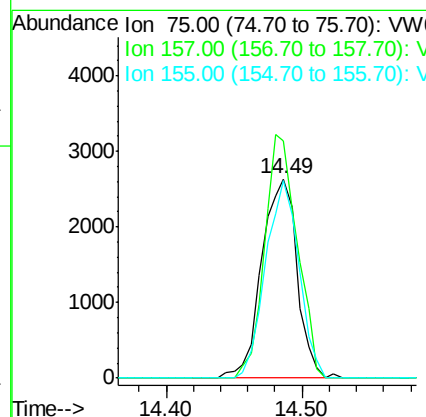
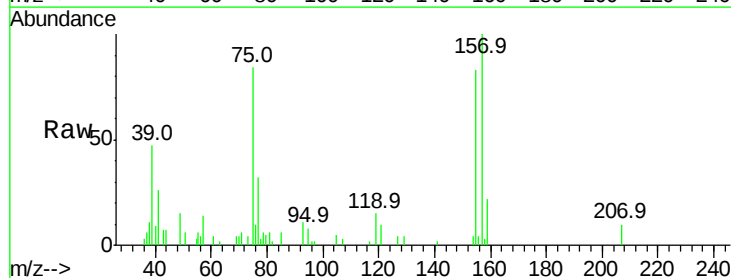
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

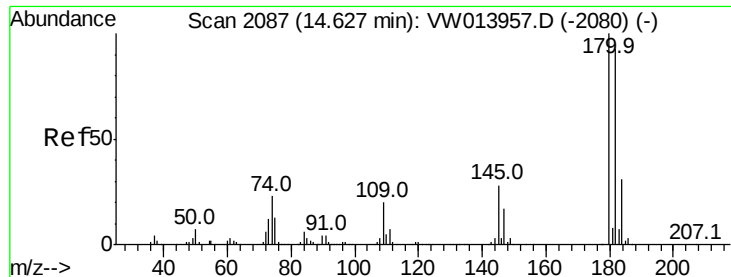
Tgt Ion:146 Resp: 58096
 Ion Ratio Lower Upper
 146 100
 111 38.3 30.5 45.7
 148 62.3 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.593 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion: 75 Resp: 4794
 Ion Ratio Lower Upper
 75 100
 157 119.2 96.9 145.3
 155 99.1 82.9 124.3

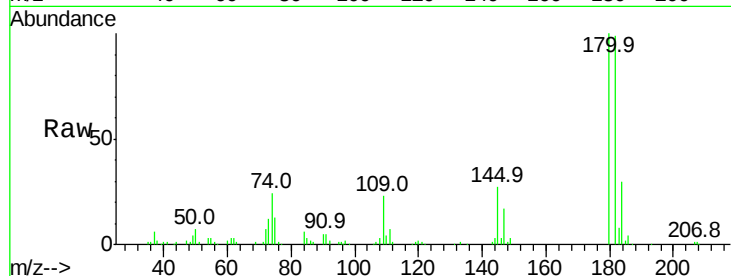




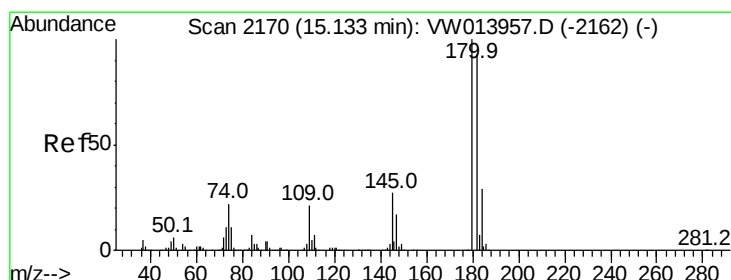
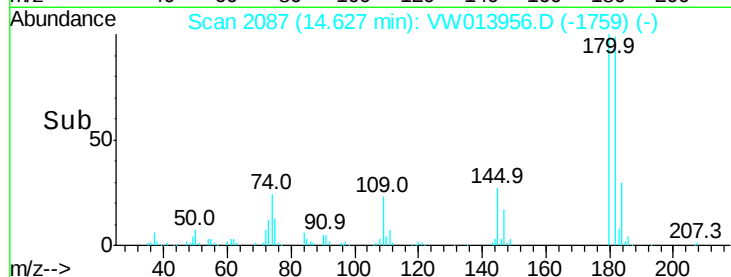
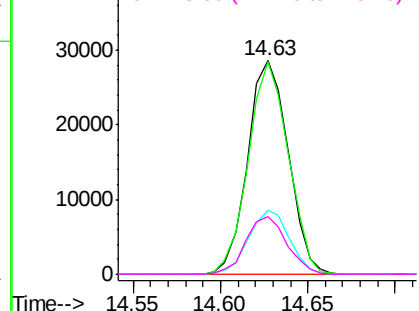
#67
 1,3,5-Trichlorobenzene
 Concen: 5.193 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

Tgt Ion:180 Resp: 46284
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.2 114.2
 184 30.1 24.3 36.5
 145 27.2 21.9 32.9

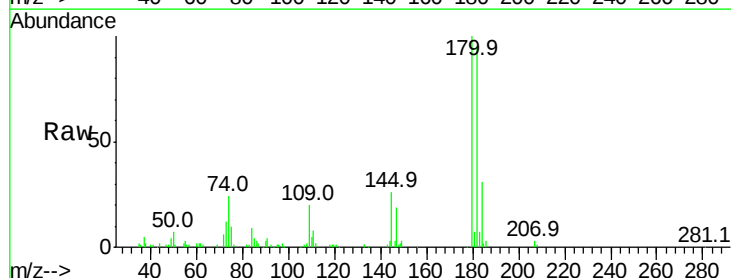


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

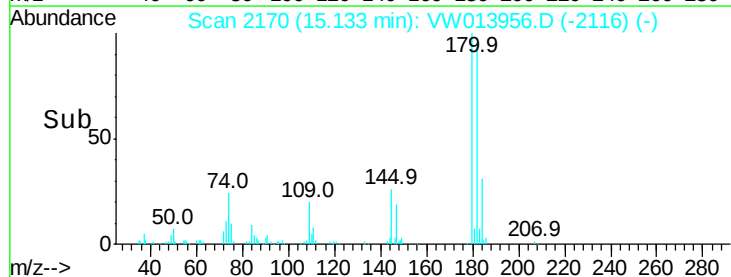
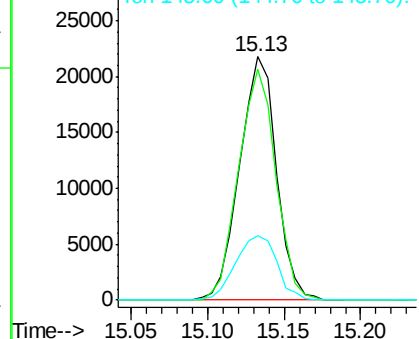


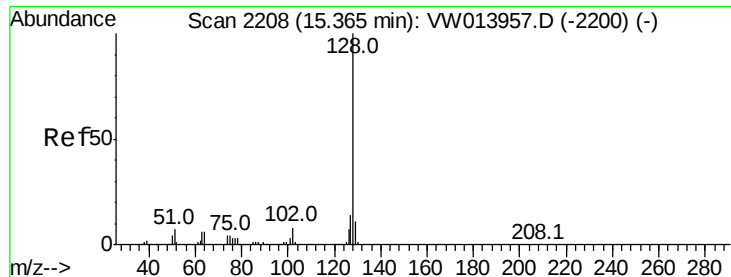
#68
 1,2,4-trichlorobenzene
 Concen: 5.035 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013956.D
 Acq: 11 Nov 2019 11:19

Tgt Ion:180 Resp: 36329
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.8
 145 29.9 22.4 33.6



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





#69

Naphthalene

Concen: 4.971 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

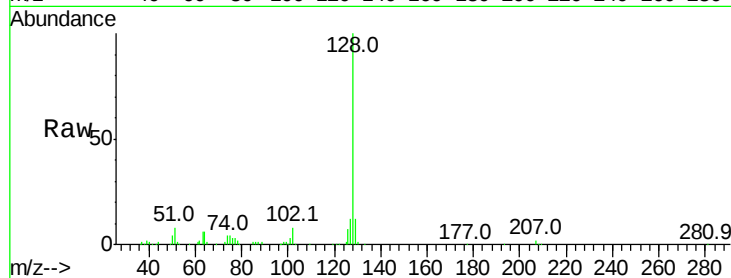
Tgt Ion:128 Resp: 68049

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

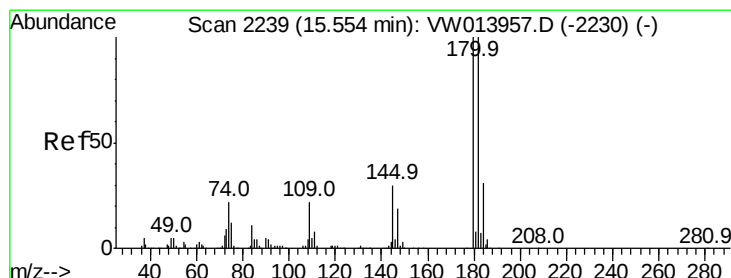
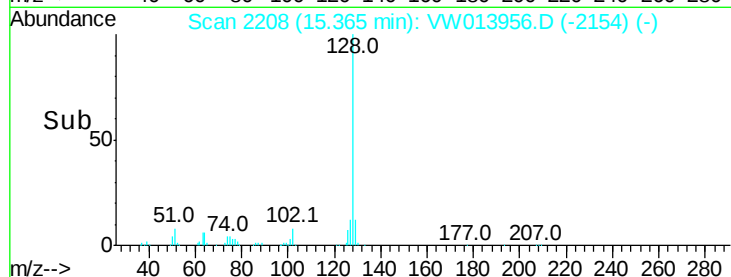
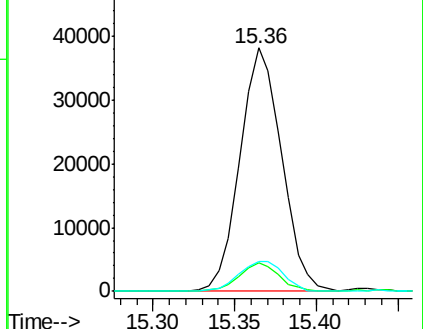
127 13.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.081 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013956.D

Acq: 11 Nov 2019 11:19

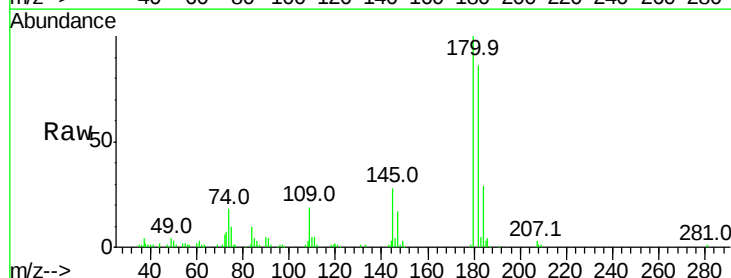
Tgt Ion:180 Resp: 33784

Ion Ratio Lower Upper

180 100

182 92.9 75.8 113.6

145 29.1 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

