

Data File : VW013957.D
Acq On : 11 Nov 2019 11:45
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Nov 11 12:17:04 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	323469	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305455	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	182011	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134373	26.70	ug/L	0.00
7) Chloroethane-d5	2.89	69	107251	26.67	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	268817	26.22	ug/L	0.00
20) 2-Butanone-d5	7.07	46	76841	42.43	ug/L	0.00
24) Chloroform-d	7.65	84	254663	24.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	129805	23.66	ug/L	0.00
29) Benzene-d6	8.27	84	550677	26.91	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	161287	26.04	ug/L	0.00
37) Toluene-d8	10.32	98	517634	26.67	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	71383	25.24	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	64561	45.88	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124840	22.78	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	180335	25.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	90338	25.983 ug/L	100
3) Chloromethane	2.21	50	77746	19.498 ug/L	100
5) Vinyl chloride	2.37	62	135547	23.801 ug/L	100
6) Bromomethane	2.78	94	82154	22.933 ug/L	100
8) Chloroethane	2.92	64	81063	25.073 ug/L	100
9) Trichlorofluoromethane	3.26	101	91446	31.521 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	139401	25.038 ug/L	100
12) 1,1-Dichloroethene	4.04	96	142803	25.581 ug/L	100
13) Acetone	4.12	43	66072	37.457 ug/L	100
14) Carbon disulfide	4.38	76	411356	25.782 ug/L	100
15) Methyl Acetate	4.67	43	67089	21.964 ug/L	100
16) Methylene chloride	4.92	84	147868	24.449 ug/L	100
17) Methyl tert-butyl Ether	5.42	73	190888	27.030 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	149056	25.620 ug/L	100
19) 1,1-Dichloroethane	6.21	63	250628	25.372 ug/L	100
21) 2-Butanone	7.16	43	93985	38.817 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	159081	26.001 ug/L	100
23) Bromochloromethane	7.51	128	71082	24.708 ug/L	100
25) Chloroform	7.67	83	247543	24.925 ug/L	100
27) 1,2-Dichloroethane	8.40	62	153601	23.385 ug/L	100
30) Cyclohexane	7.96	56	257202	27.903 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	199315	26.647 ug/L	100
32) Carbon tetrachloride	8.07	117	189304	25.880 ug/L	100
34) Benzene	8.32	78	592219	26.705 ug/L	100
35) Trichloroethene	9.09	95	153204	26.208 ug/L	100
36) Methylcyclohexane	9.34	83	281015	27.388 ug/L	100
40) 1,2-Dichloropropane	9.37	63	143372	26.341 ug/L	100
41) Bromodichloromethane	9.64	83	176728	25.828 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	229638	26.771 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	190057	45.403 ug/L	100

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ClientSampleId :
VSTD02502

Quant Time: Nov 11 12:17:04 2019
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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	643829	27.018	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	182304	25.720	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	106673	24.543	ug/L	100
47) Tetrachloroethene	10.86	164	137546	25.557	ug/L	100
49) 2-Hexanone	10.96	43	137236	44.627	ug/L	100
50) Dibromochloromethane	11.13	129	128842	25.537	ug/L	100
51) 1,2-Dibromoethane	11.23	107	104125	24.234	ug/L	100
52) Chlorobenzene	11.66	112	403356	26.246	ug/L	100
53) Ethylbenzene	11.73	91	706352	26.629	ug/L	100
54) m,p-Xylene	11.83	106	275648	26.965	ug/L	100
55) o-xylene	12.16	106	260722	26.982	ug/L	100
56) Styrene	12.18	104	443654	26.607	ug/L	100
57) Isopropylbenzene	12.46	105	708548	27.194	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	127754	23.340	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	93979	22.867	ug/L	100
62) Bromoform	12.35	173	79159	23.921	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	328611	26.071	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	329073	26.044	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	295929	25.965	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	19539	21.401	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	259975	27.385	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	209166	27.215	ug/L	100
69) Naphthalene	15.36	128	376583	25.826	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	182794	25.810	ug/L	100

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

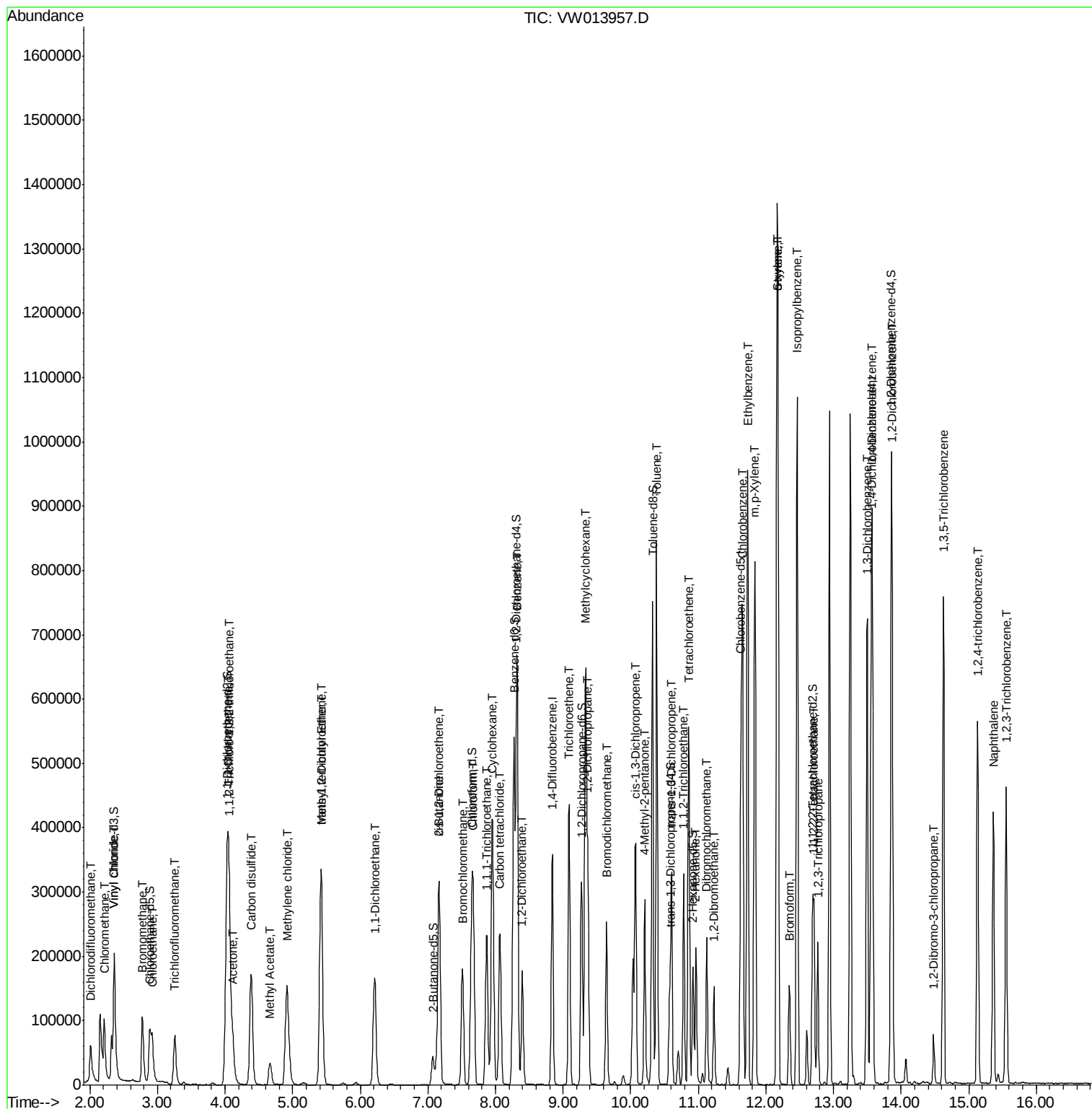
Quant Time: Nov 11 12:17:04 2019

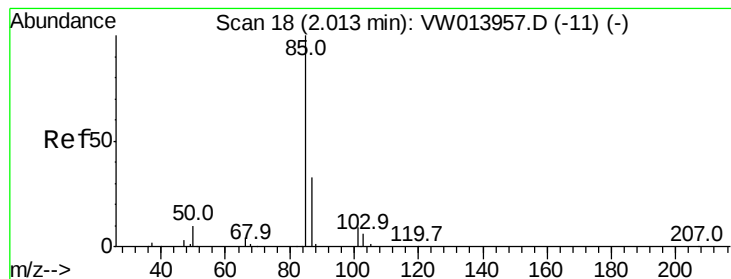
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M

Quant Title : VOC Analysis

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.983 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

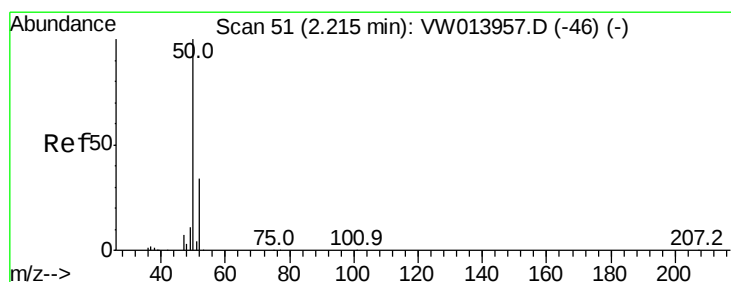
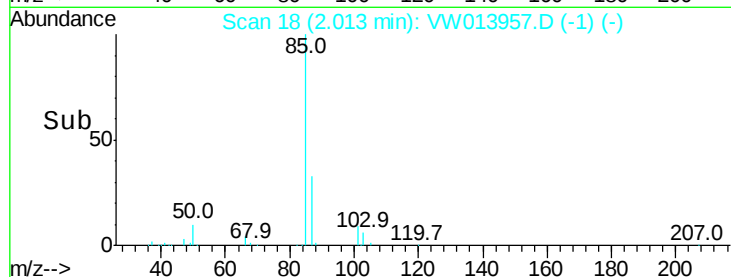
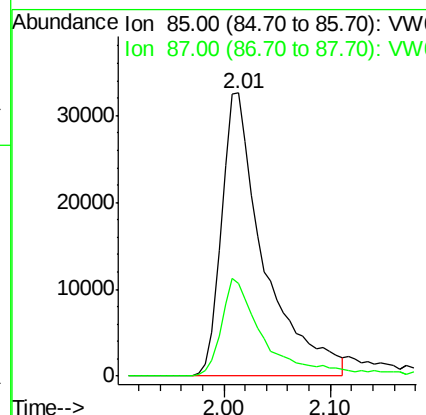
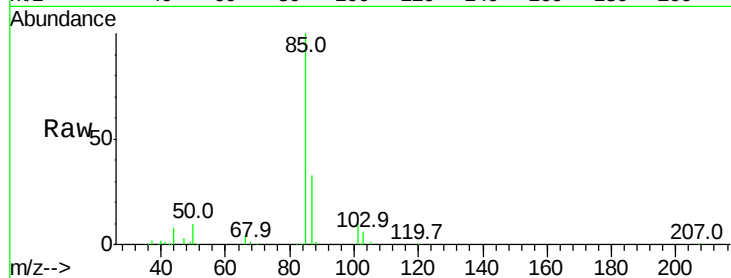
VSTD02502

Tgt Ion: 85 Resp: 90338

Ion Ratio Lower Upper

85 100

87 31.6 22.1 41.1



#3

Chloromethane

Concen: 19.498 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013957.D

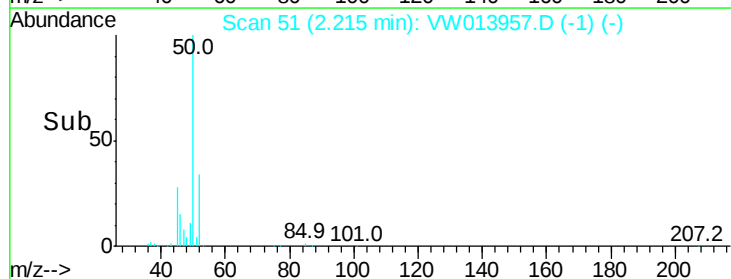
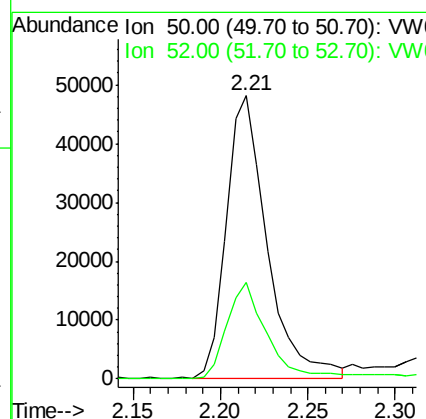
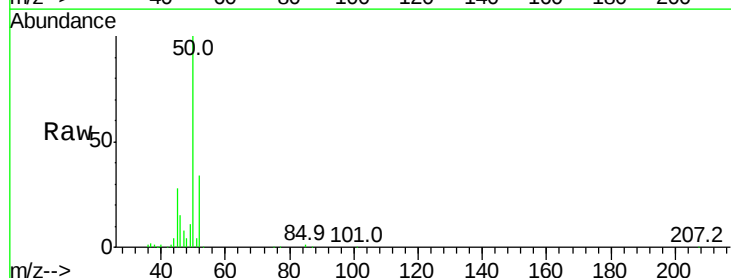
Acq: 11 Nov 2019 11:45

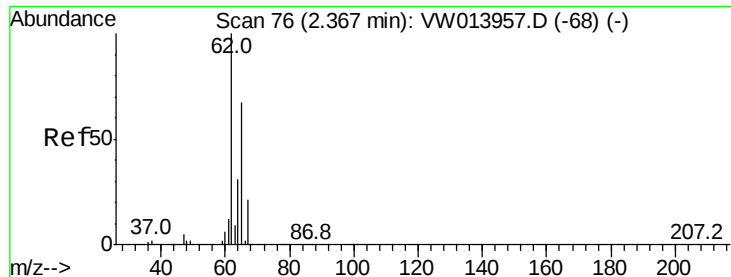
Tgt Ion: 50 Resp: 77746

Ion Ratio Lower Upper

50 100

52 34.0 23.8 44.2





#5

Vinyl chloride

Concen: 23.801 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

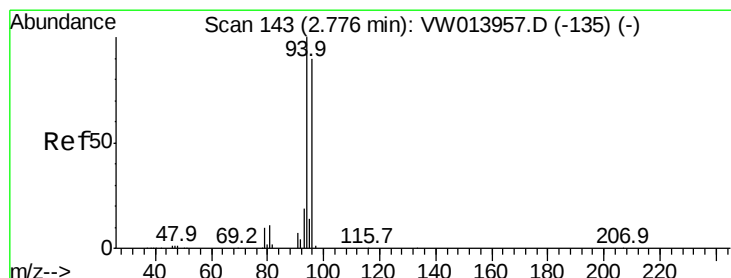
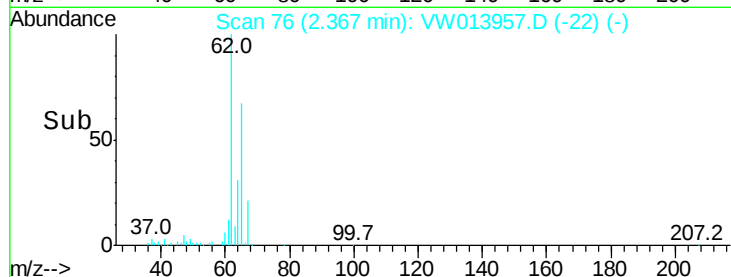
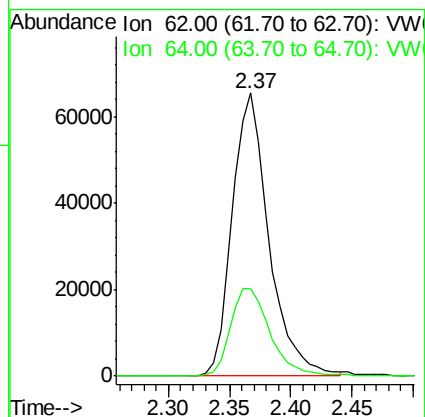
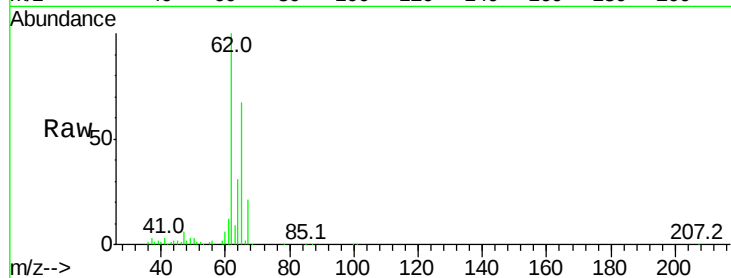
VSTD02502

Tgt Ion: 62 Resp: 135547

Ion Ratio Lower Upper

62 100

64 31.1 21.8 40.4



#6

Bromomethane

Concen: 22.933 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013957.D

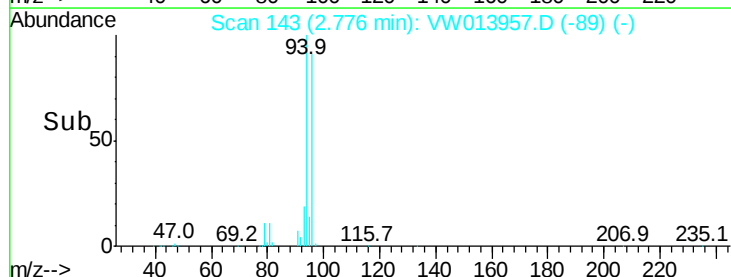
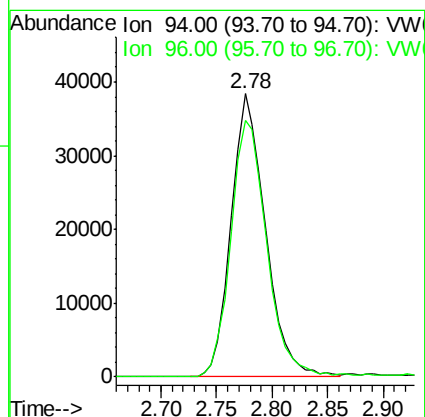
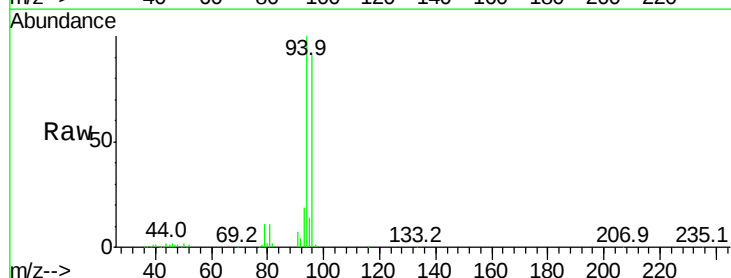
Acq: 11 Nov 2019 11:45

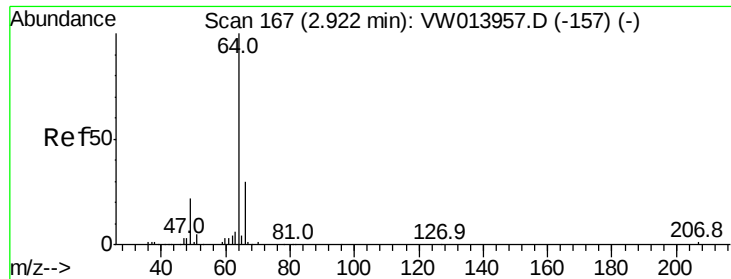
Tgt Ion: 94 Resp: 82154

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.8

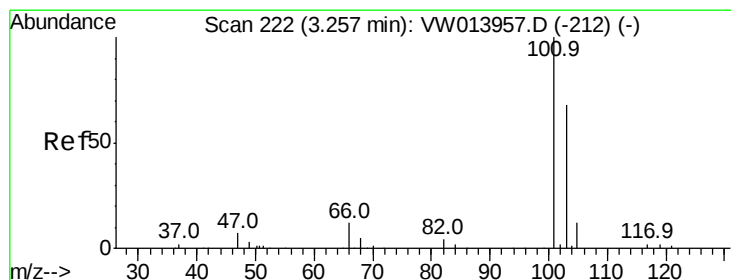
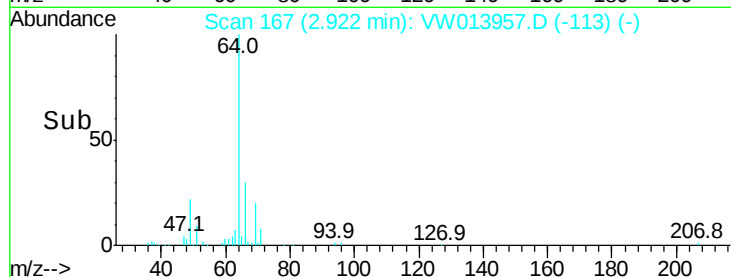
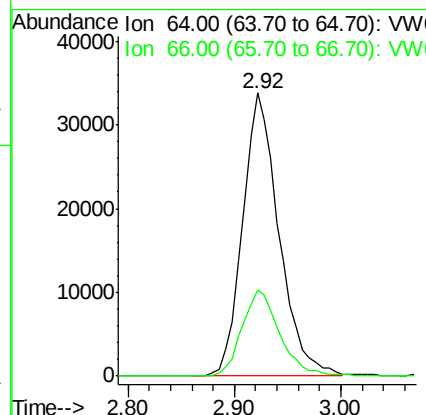
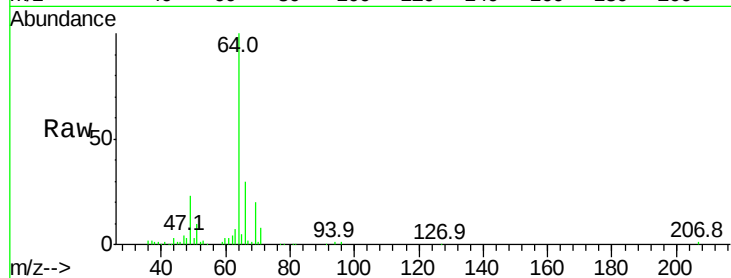




#8
Chloroethane
Concen: 25.073 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

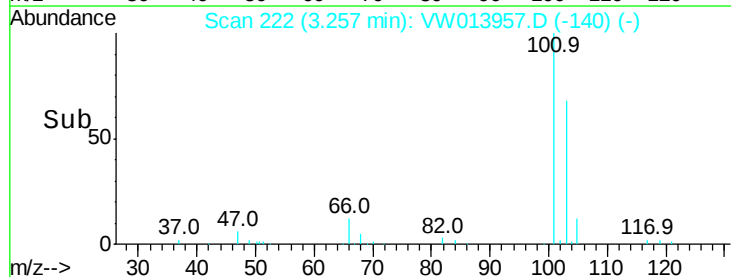
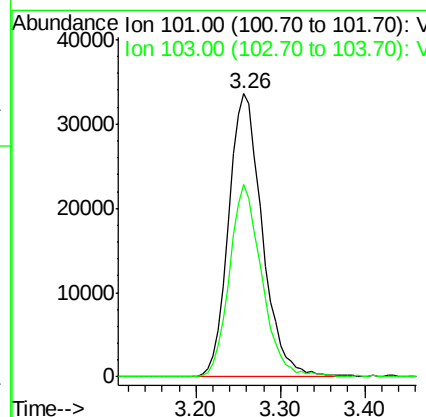
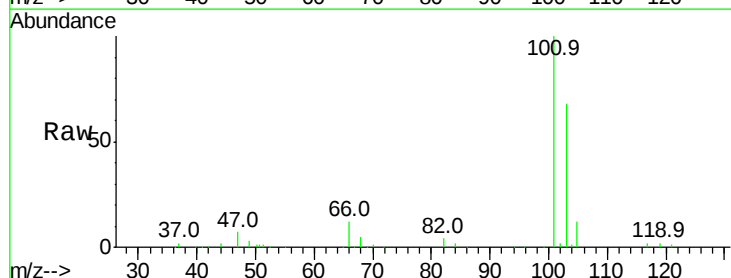
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

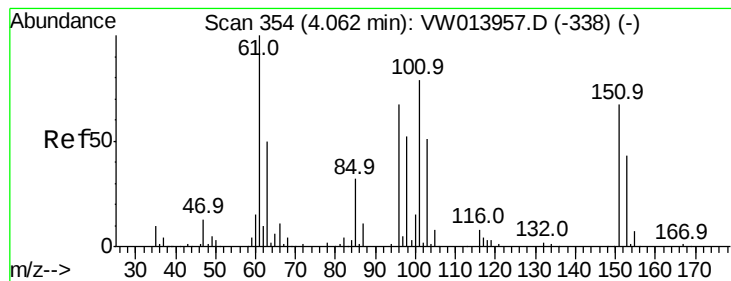
Tgt Ion: 64 Resp: 81063
Ion Ratio Lower Upper
64 100
66 30.3 21.2 39.4



#9
Trichlorofluoromethane
Concen: 31.521 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion: 101 Resp: 91446
Ion Ratio Lower Upper
101 100
103 64.8 45.4 84.2





#11

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

Concen: 25.038 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

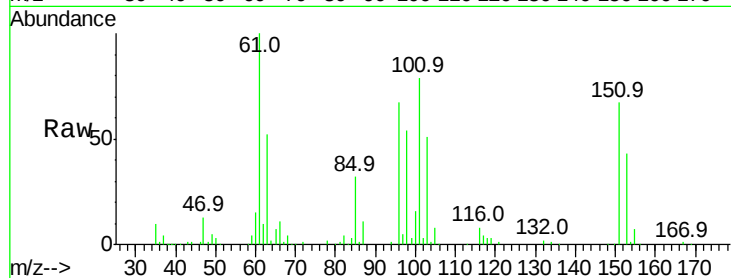
Tgt Ion: 101 Resp: 139401

Ion Ratio Lower Upper

101 100

85 39.3 31.4 47.2

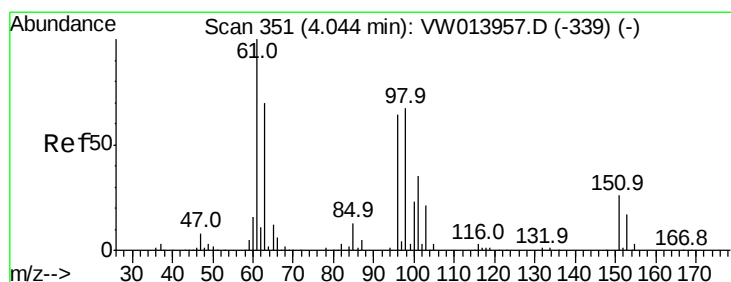
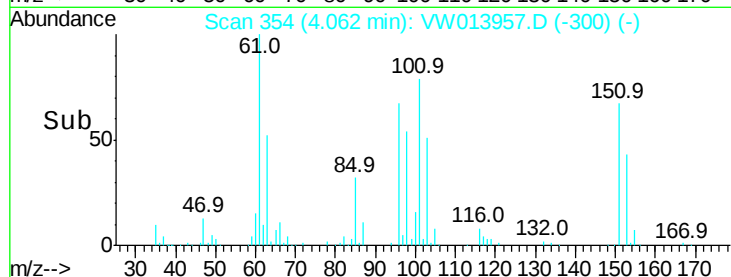
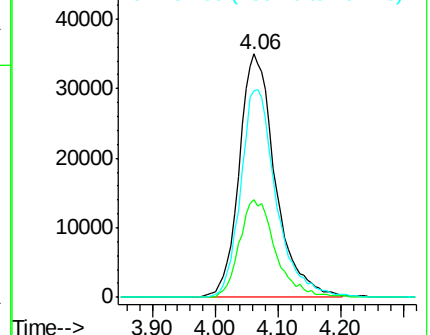
151 83.6 66.9 100.3



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: 25.581 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

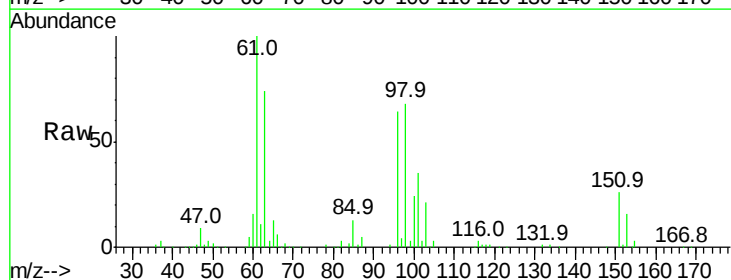
Tgt Ion: 96 Resp: 142803

Ion Ratio Lower Upper

96 100

61 156.9 109.8 204.0

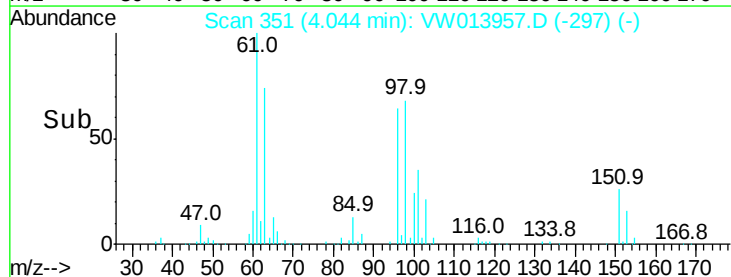
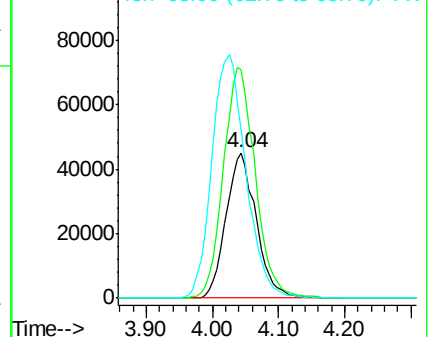
63 115.3 80.7 149.9

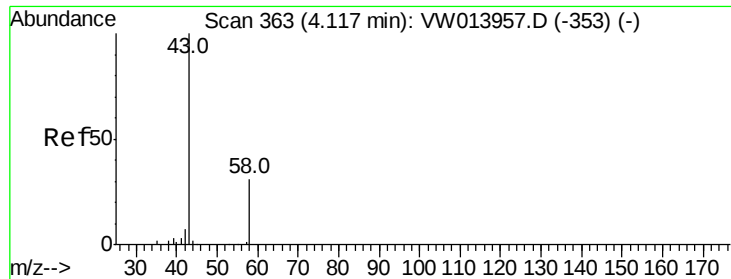


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.457 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampled :

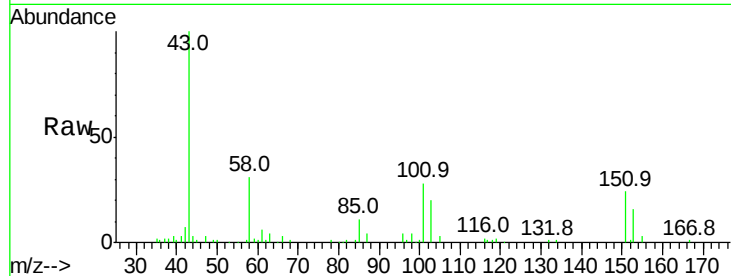
VSTD02502

Tgt Ion: 43 Resp: 66072

Ion Ratio Lower Upper

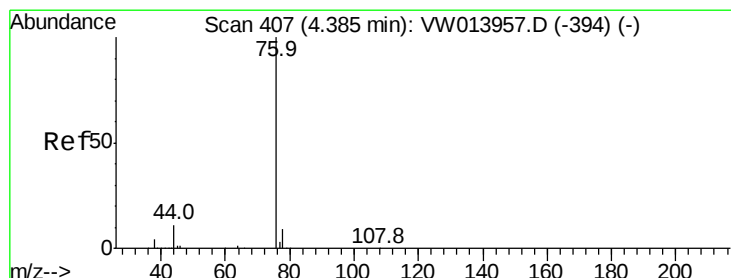
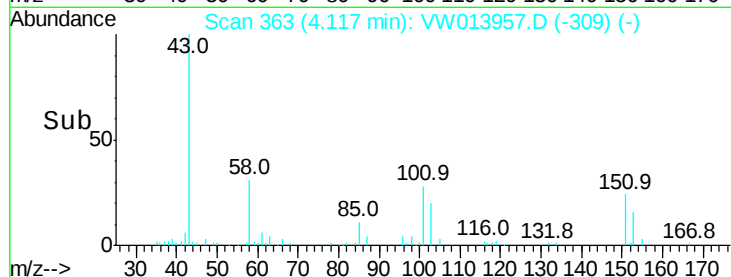
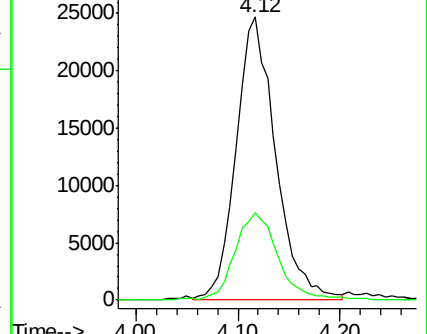
43 100

58 32.7 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: 25.782 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013957.D

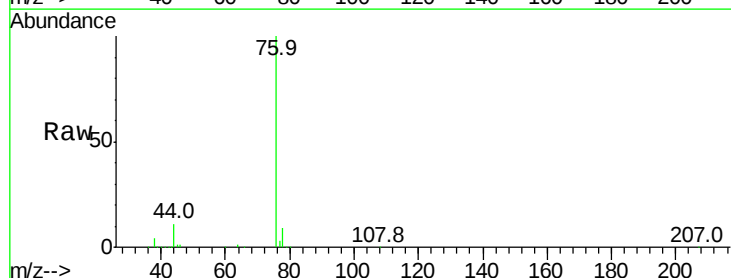
Acq: 11 Nov 2019 11:45

Tgt Ion: 76 Resp: 411356

Ion Ratio Lower Upper

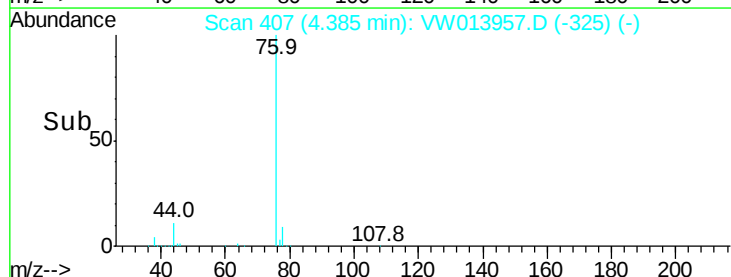
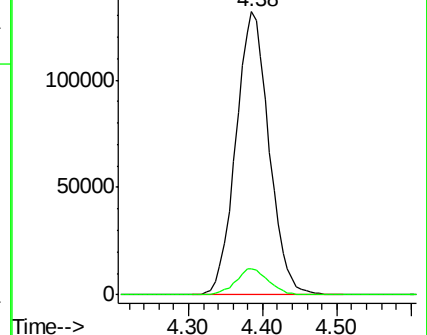
76 100

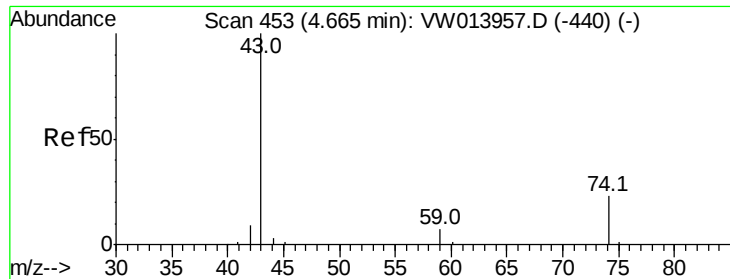
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

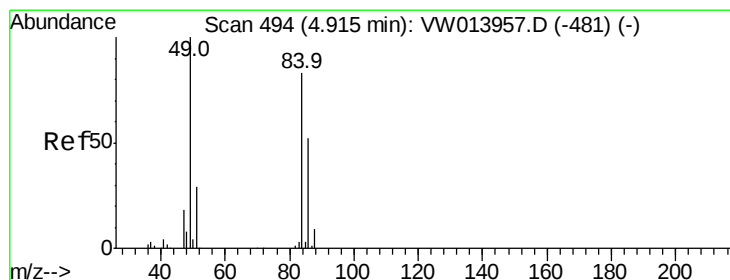
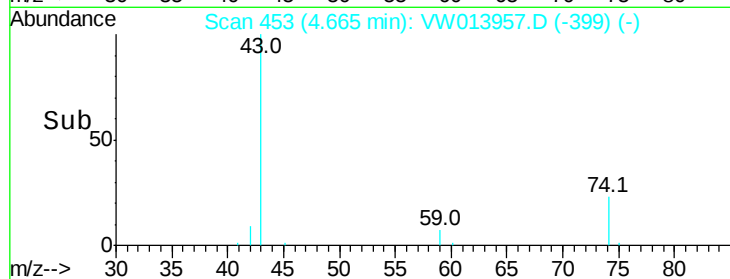
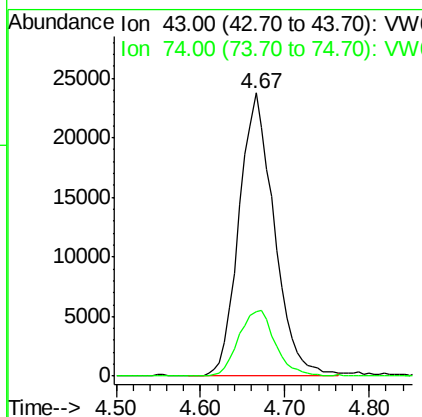
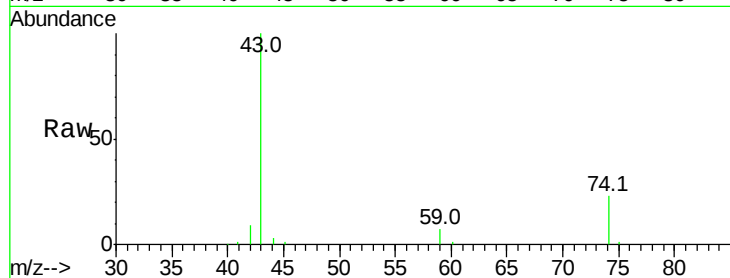




#15
Methyl Acetate
Concen: 21.964 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

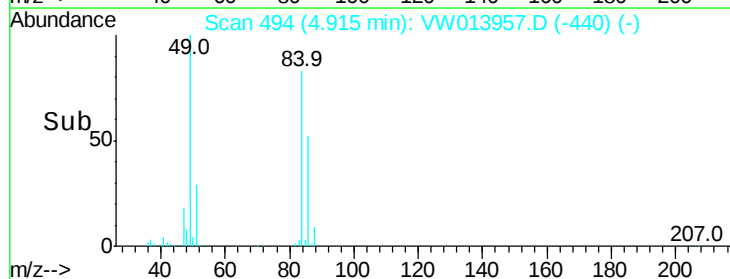
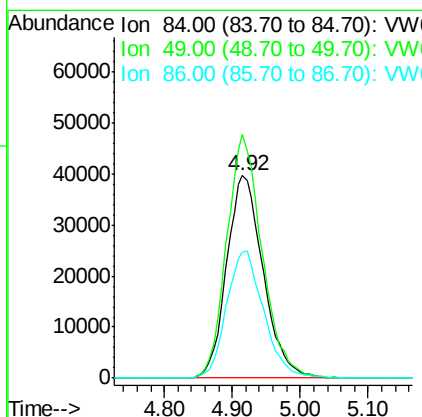
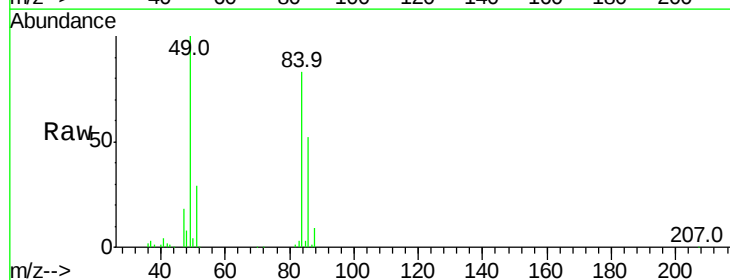
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

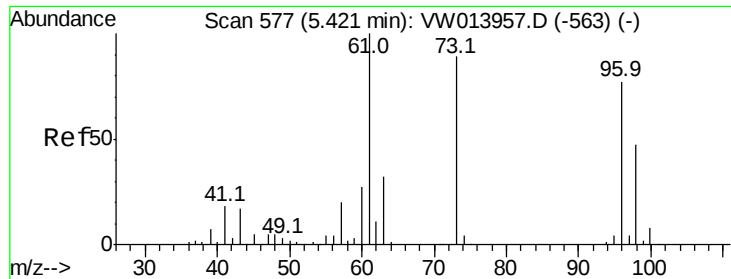
Tgt Ion: 43 Resp: 67089
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



#16
Methylene chloride
Concen: 24.449 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion: 84 Resp: 147868
Ion Ratio Lower Upper
84 100
49 120.3 84.2 156.4
86 62.4 43.7 81.1

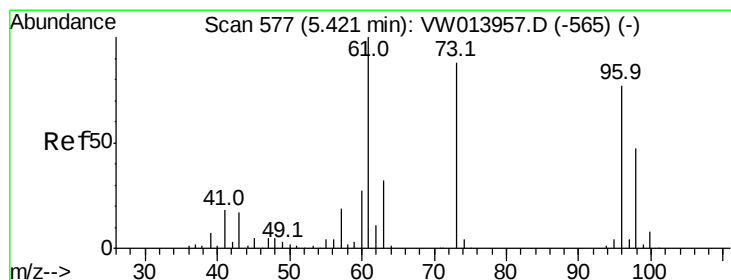
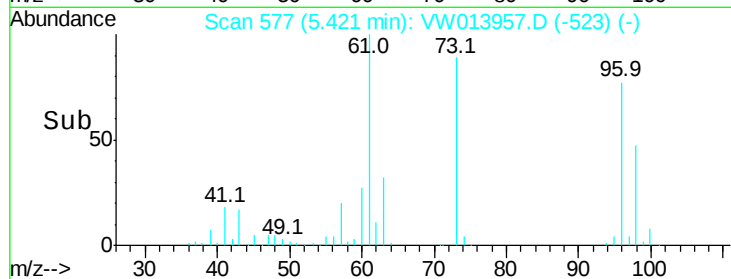
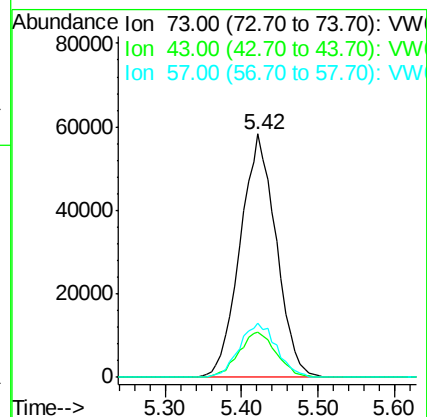
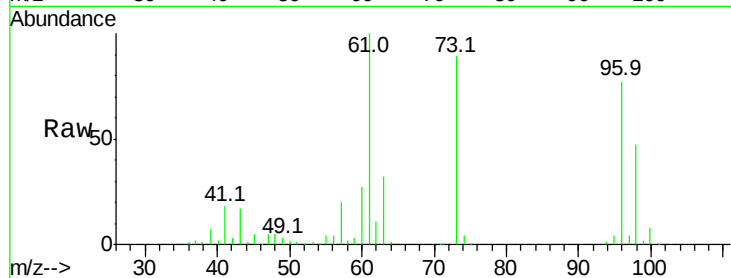




#17
Methyl tert-butyl Ether
Concen: 27.030 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

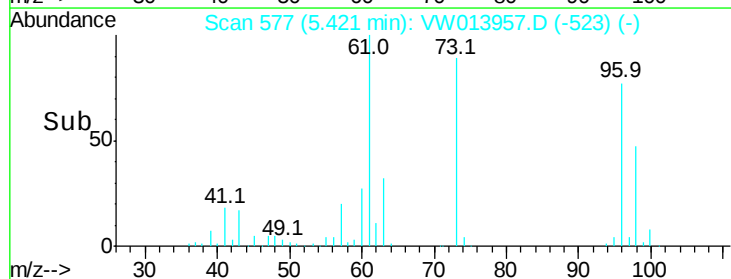
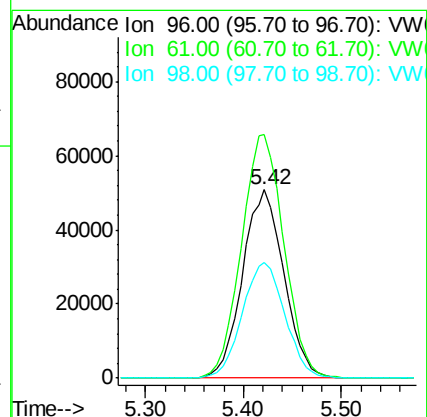
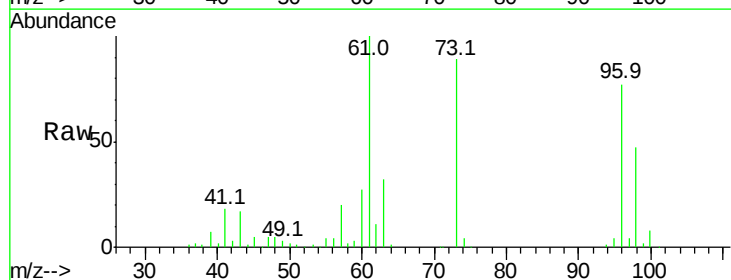
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

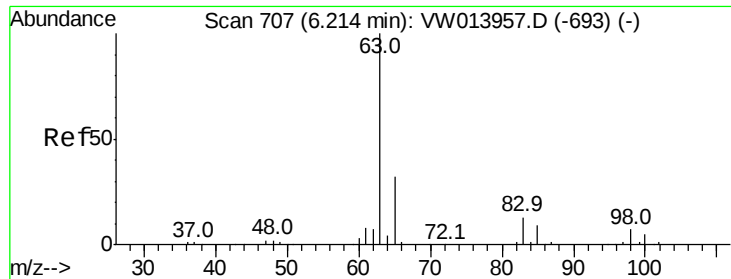
Tgt Ion: 73 Resp: 190888
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.620 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion: 96 Resp: 149056
Ion Ratio Lower Upper
96 100
61 129.4 90.6 168.2
98 61.3 42.9 79.7

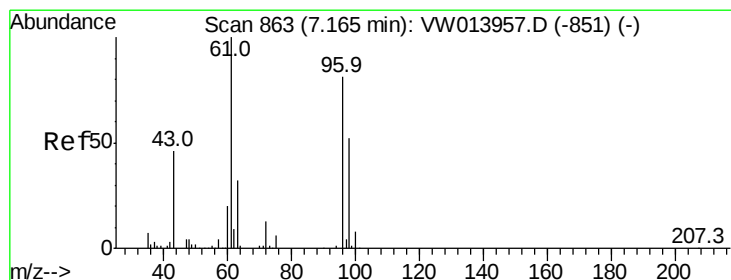
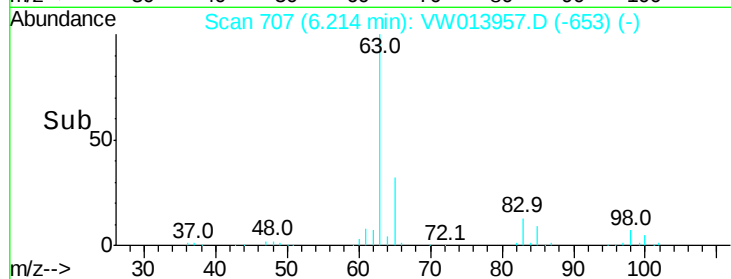
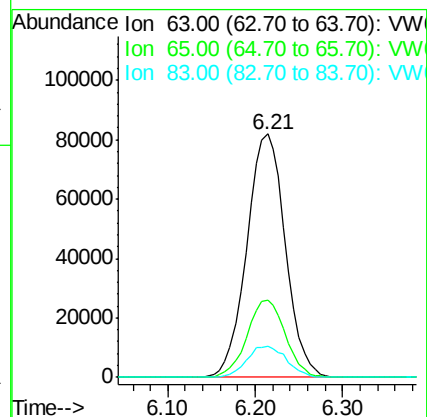
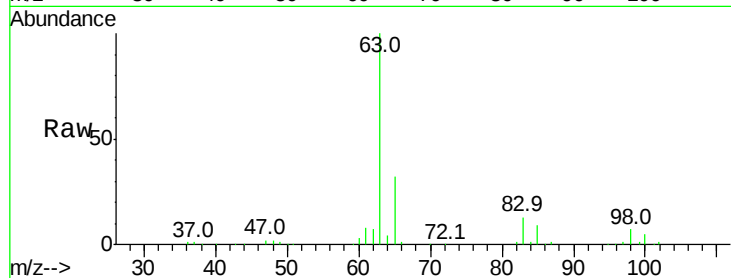




#19
 1,1-Dichloroethane
 Concen: 25.372 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

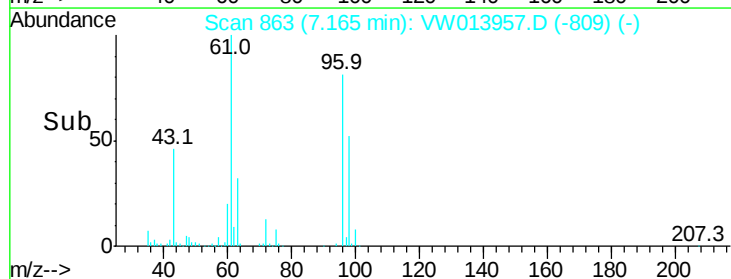
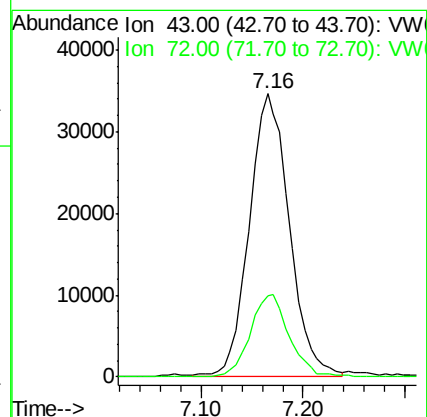
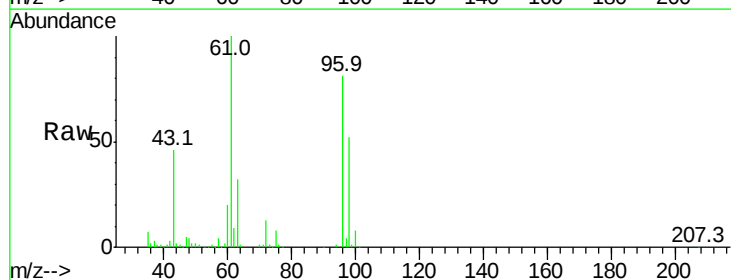
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

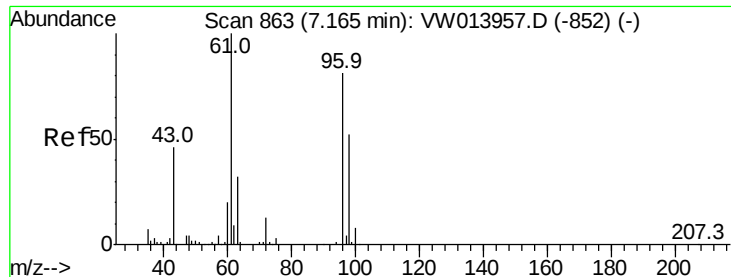
Tgt Ion: 63 Resp: 250628
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 12.8 9.0 16.6



#21
 2-Butanone
 Concen: 38.817 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion: 43 Resp: 93985
 Ion Ratio Lower Upper
 43 100
 72 28.1 14.1 42.2



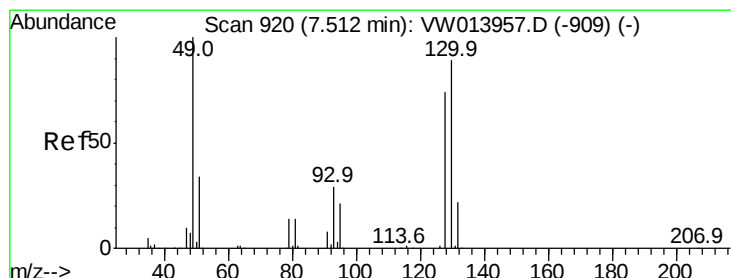
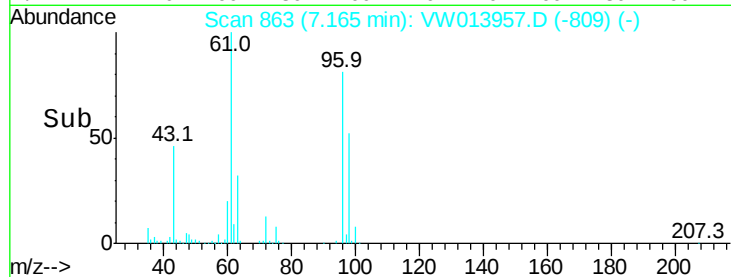
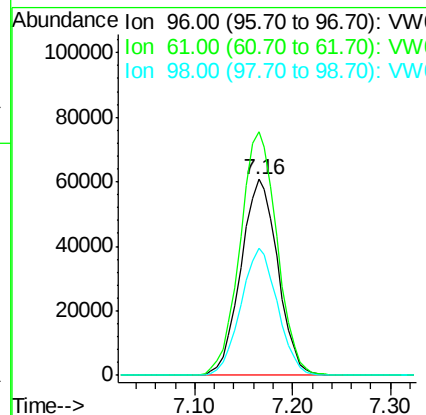
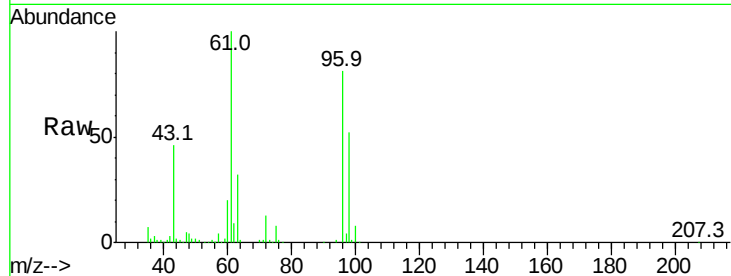


#22

cis-1,2-Dichloroethene
 Concen: 26.001 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

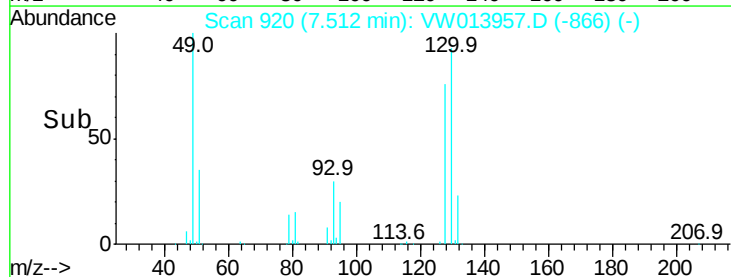
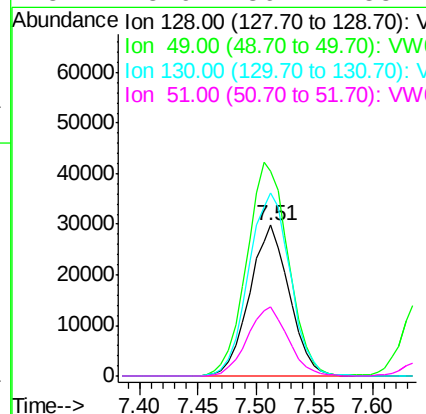
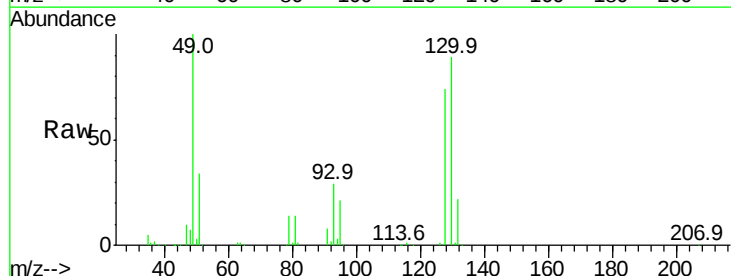
Tgt Ion: 96 Resp: 159081
 Ion Ratio Lower Upper
 96 100
 61 124.2 86.9 161.5
 98 65.0 45.5 84.5

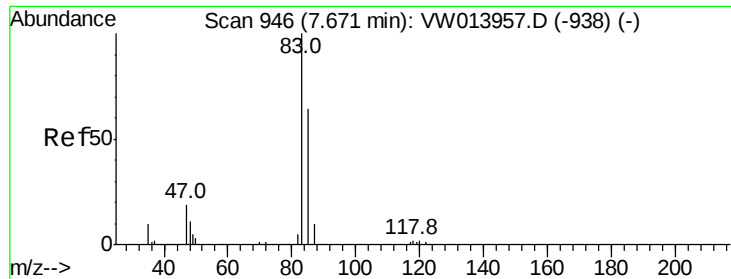


#23

Bromochloromethane
 Concen: 24.708 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion: 128 Resp: 71082
 Ion Ratio Lower Upper
 128 100
 49 135.8 95.1 176.5
 130 121.5 85.0 158.0
 51 45.9 36.7 55.1

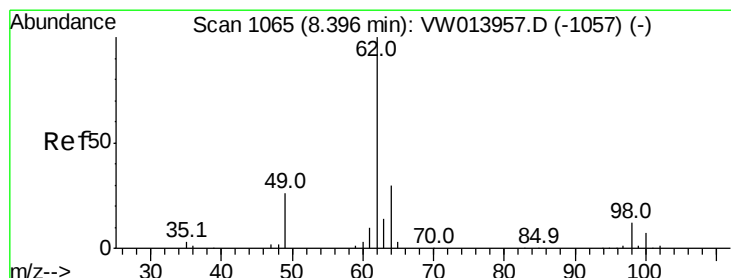
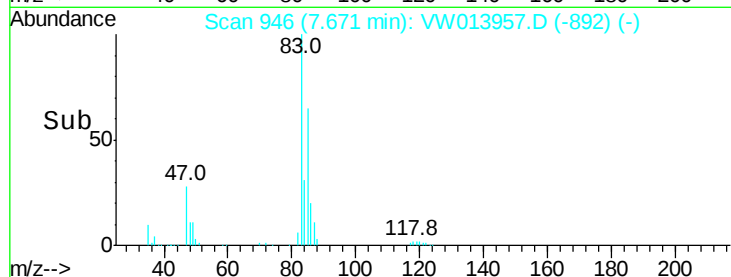
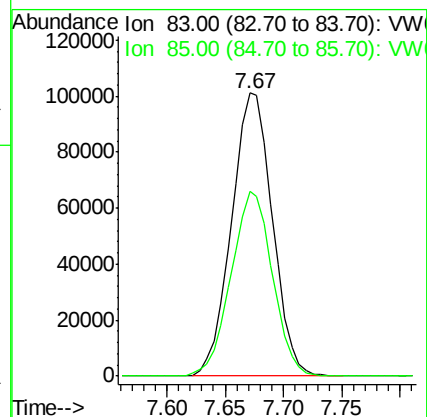
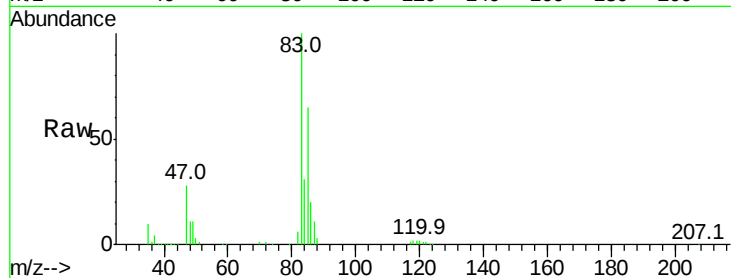




#25
Chloroform
Concen: 24.925 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

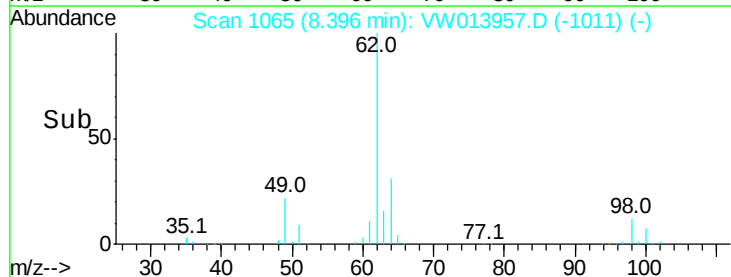
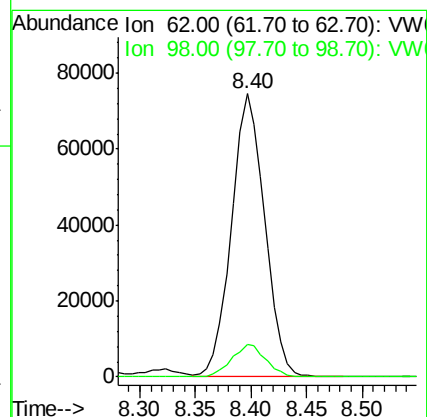
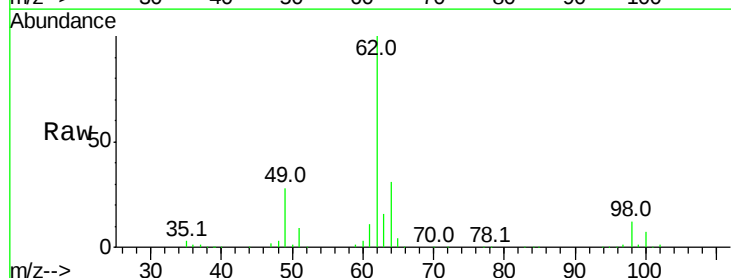
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

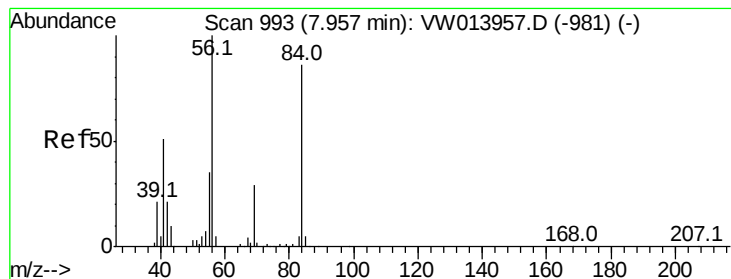
Tgt Ion: 83 Resp: 247543
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 23.385 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion: 62 Resp: 153601
Ion Ratio Lower Upper
62 100
98 11.6 9.3 13.9





#30

Cyclohexane

Concen: 27.903 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

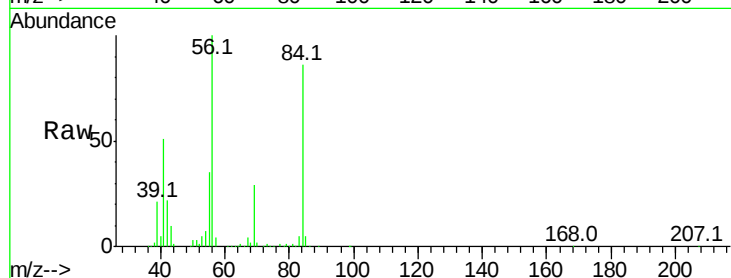
Tgt Ion: 56 Resp: 257202

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

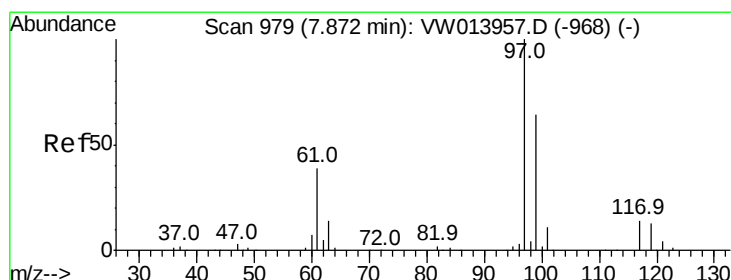
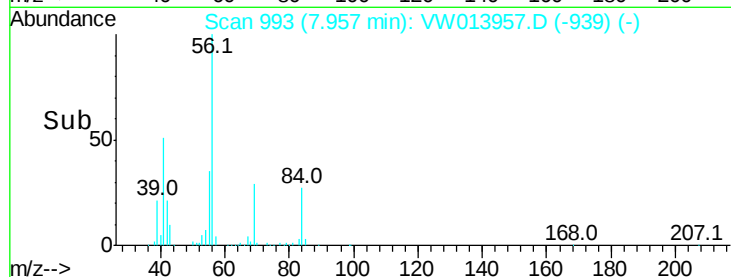
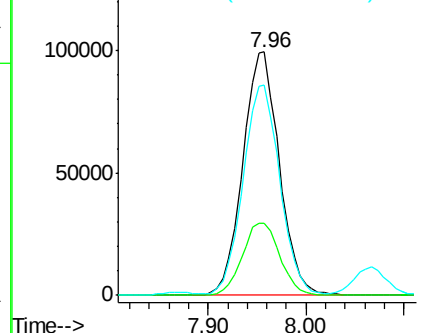
84 87.7 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.647 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

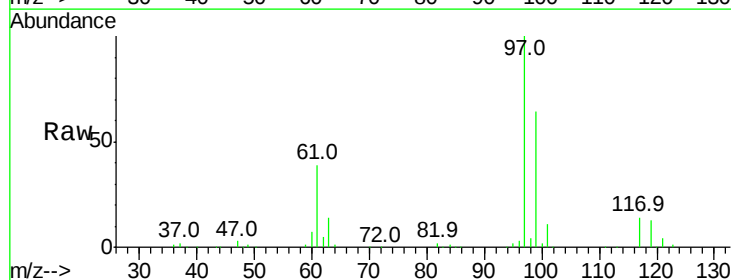
Tgt Ion: 97 Resp: 199315

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

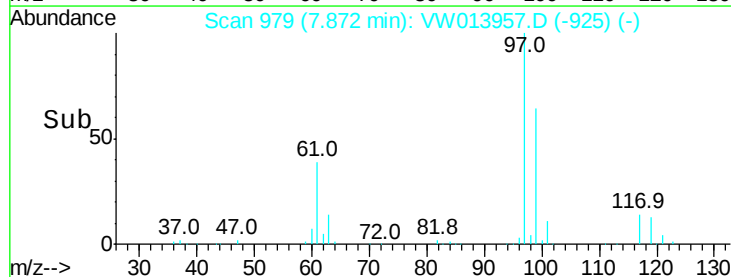
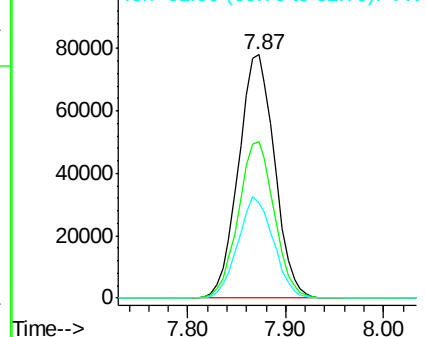
61 41.0 32.8 49.2

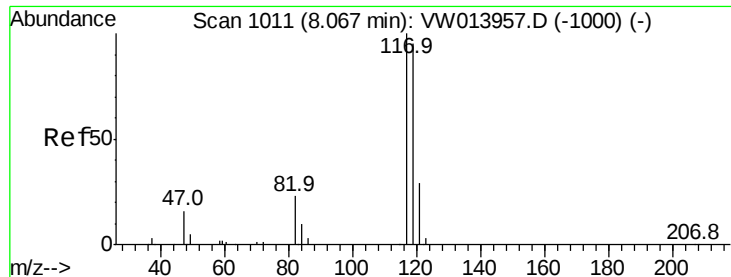


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.880 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

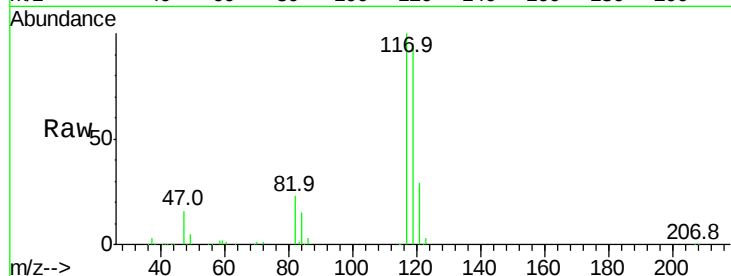
VSTD02502

Tgt Ion:117 Resp: 189304

Ion Ratio Lower Upper

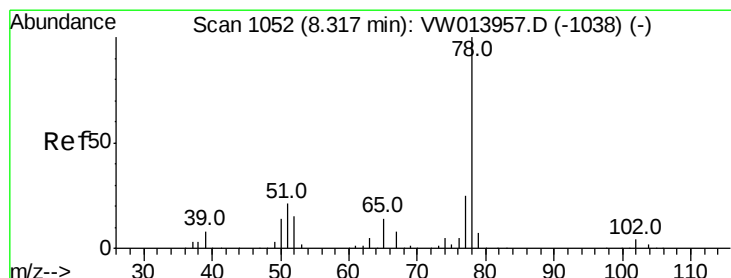
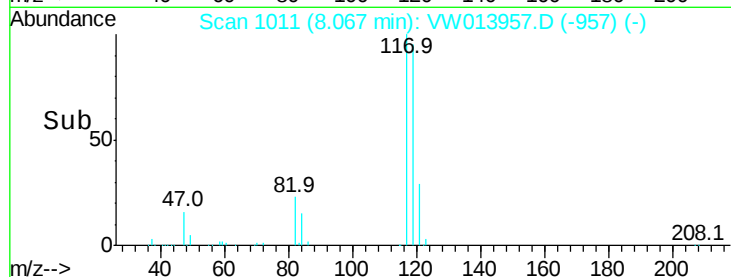
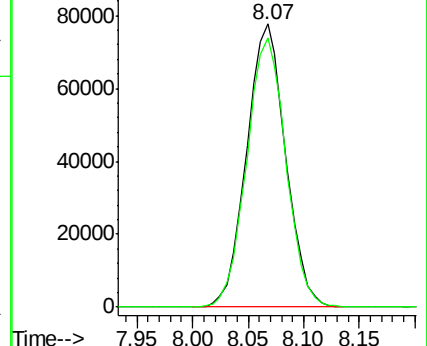
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.705 ug/L

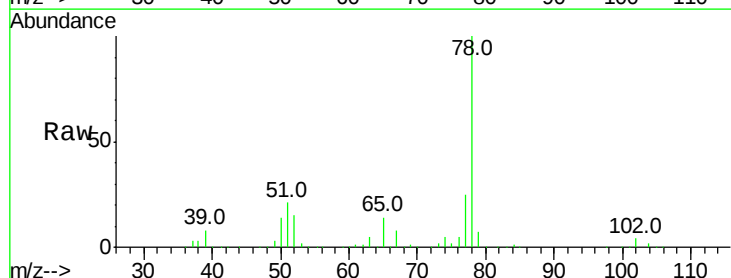
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

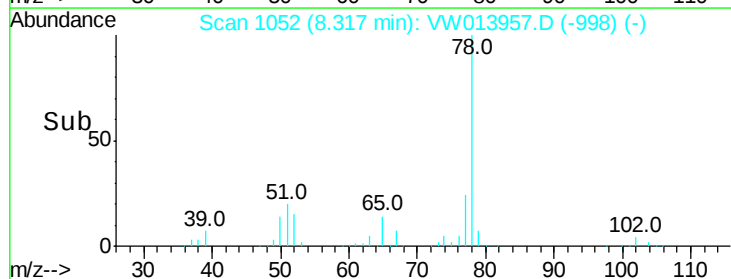
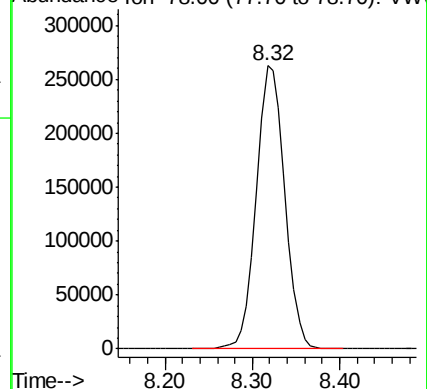
Lab File: VW013957.D

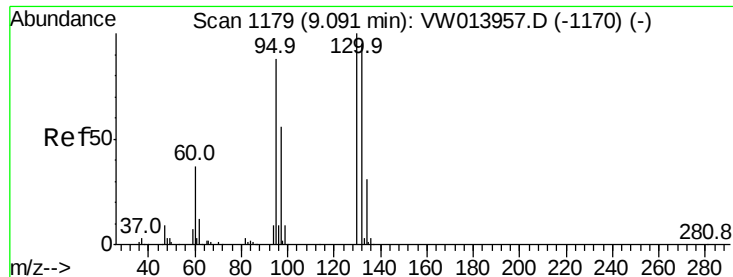
Acq: 11 Nov 2019 11:45

Tgt Ion: 78 Resp: 592219



Abundance Ion 78.00 (77.70 to 78.70): VW

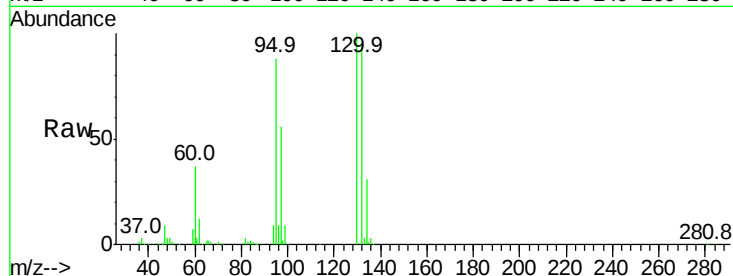




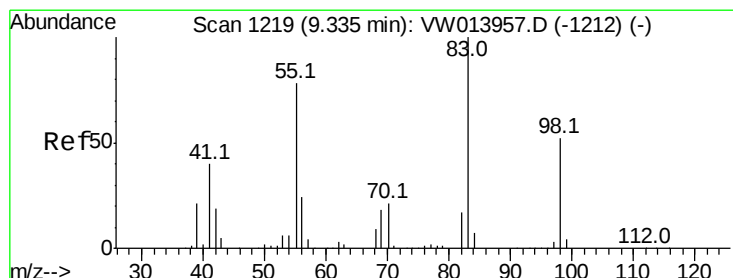
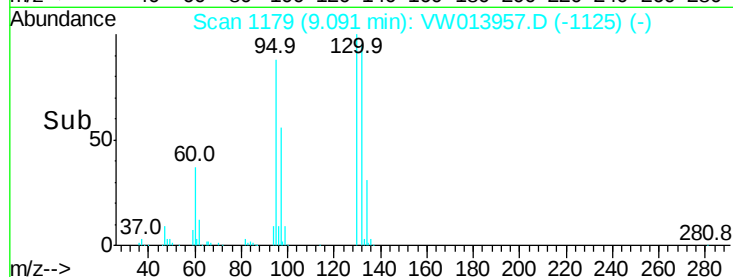
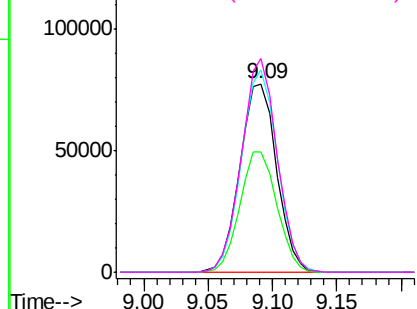
#35
 Trichloroethene
 Concen: 26.208 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tgt Ion: 95 Resp: 153204
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.1 83.9
 132 105.3 73.7 136.9
 130 109.4 76.6 142.2

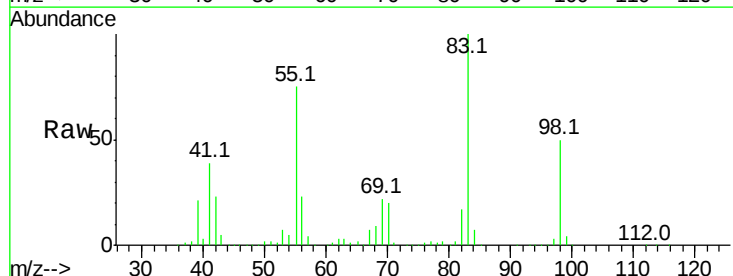


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

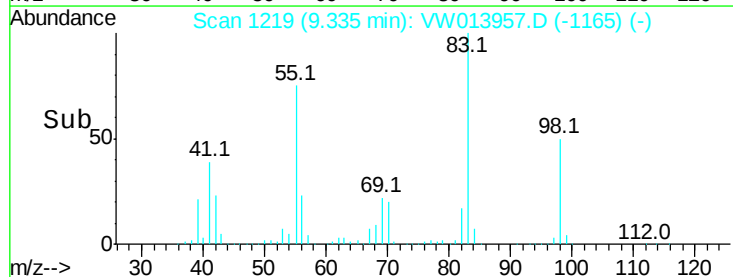
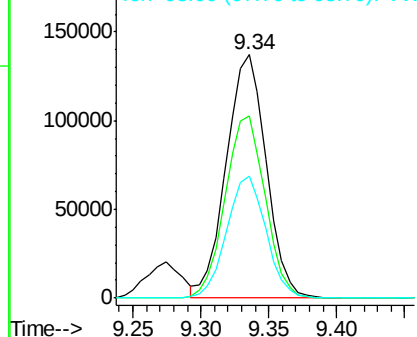


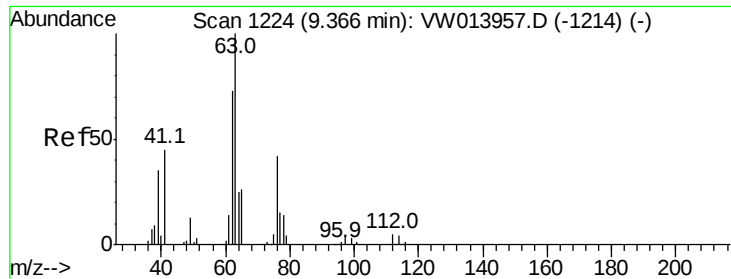
#36
 Methylcyclohexane
 Concen: 27.388 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion: 83 Resp: 281015
 Ion Ratio Lower Upper
 83 100
 55 74.8 59.8 89.8
 98 49.4 39.5 59.3



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

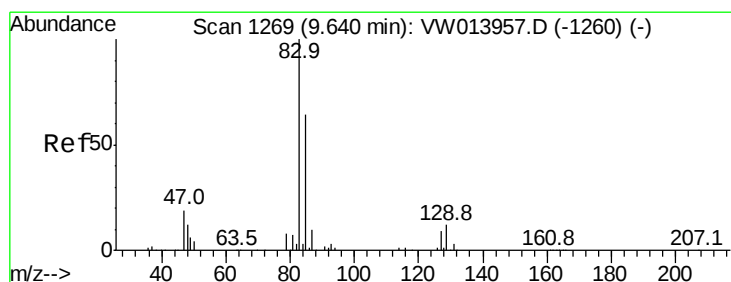
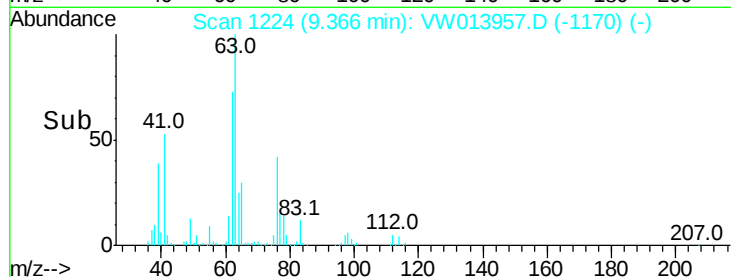
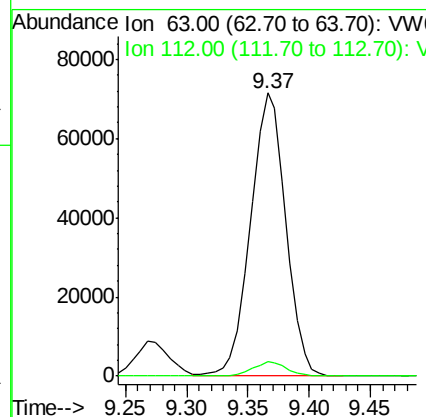
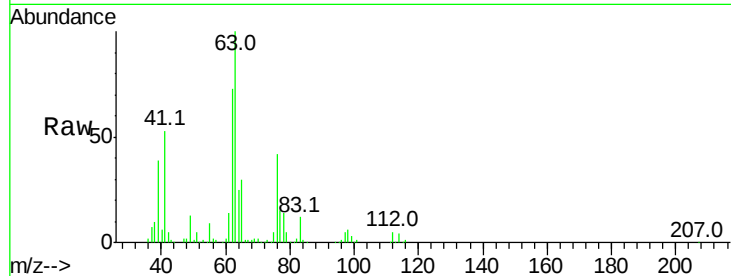




#40
 1,2-Dichloropropane
 Concen: 26.341 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

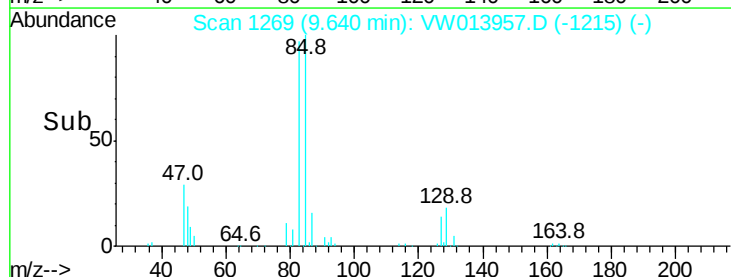
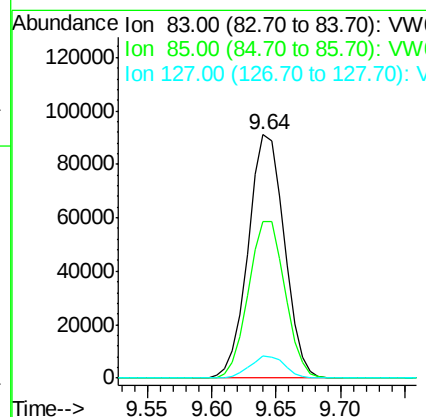
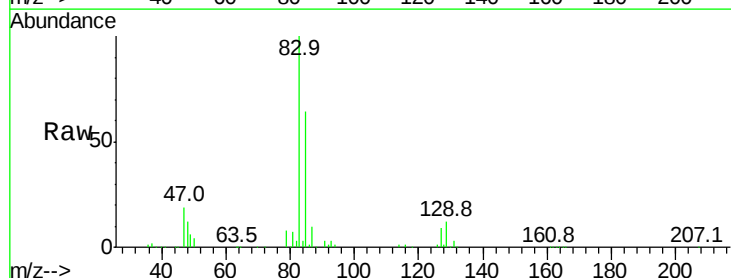
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

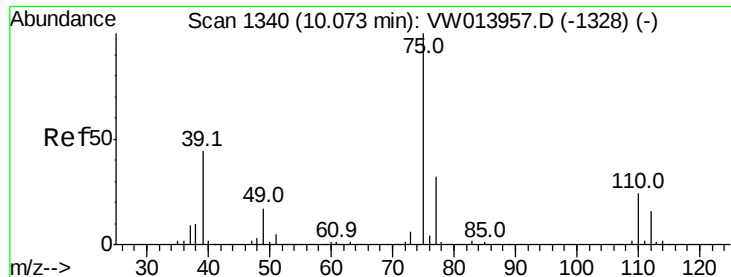
Tgt Ion: 63 Resp: 143372
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.828 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion: 83 Resp: 176728
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 9.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 26.771 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

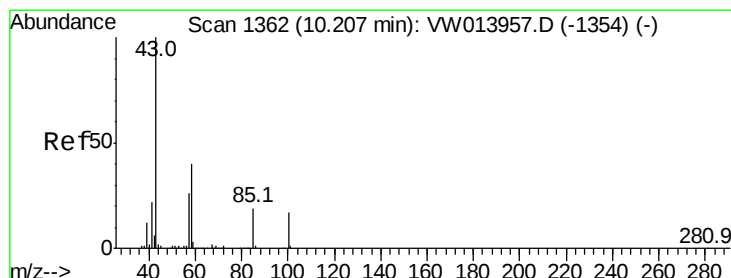
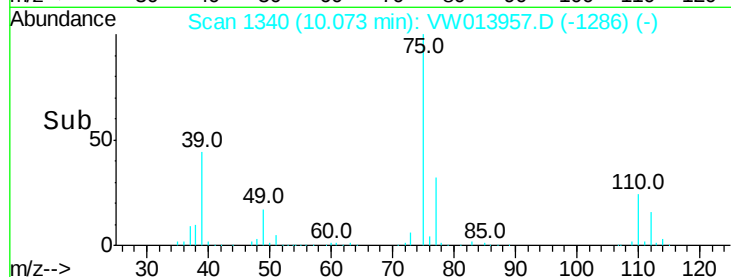
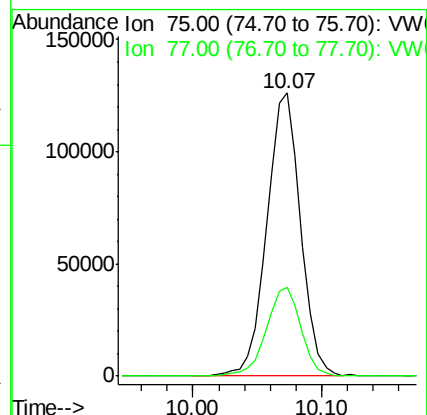
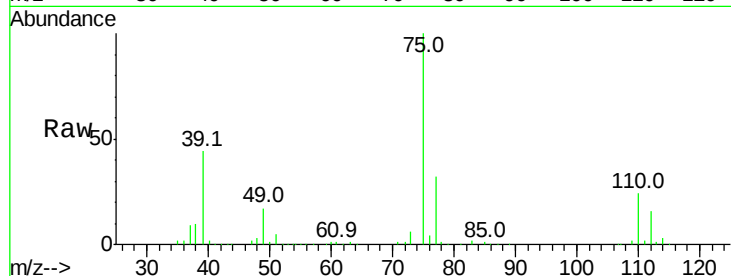
VSTD02502

Tgt Ion: 75 Resp: 229638

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 45.403 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

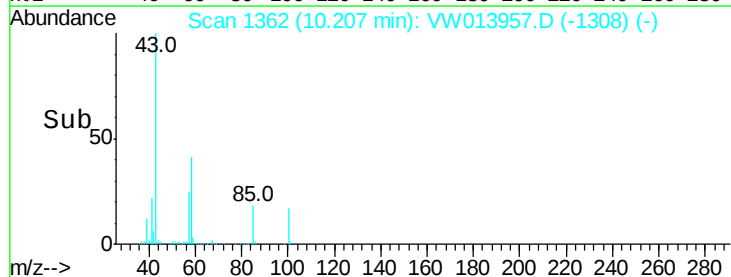
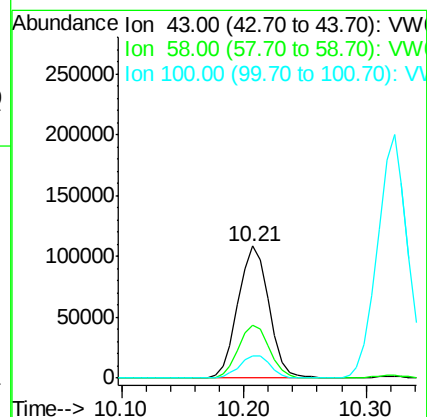
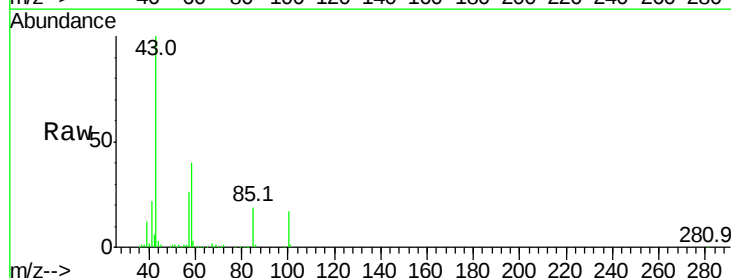
Tgt Ion: 43 Resp: 190057

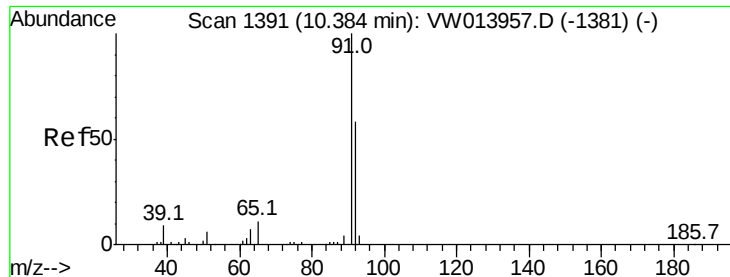
Ion Ratio Lower Upper

43 100

58 40.8 32.6 49.0

100 17.3 13.8 20.8





#44

Toluene

Concen: 27.018 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

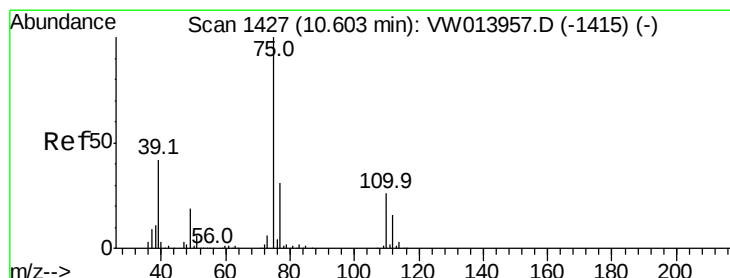
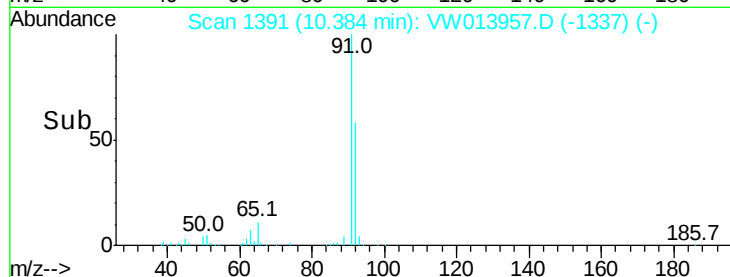
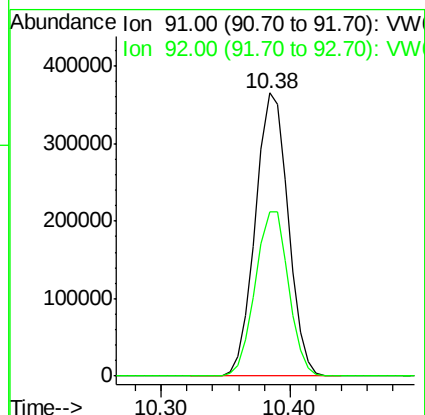
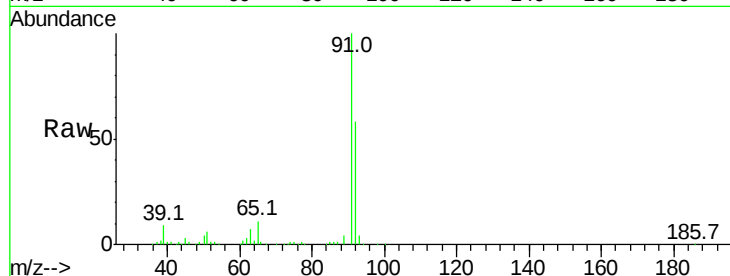
VSTD02502

Tgt Ion: 91 Resp: 643829

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.720 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013957.D

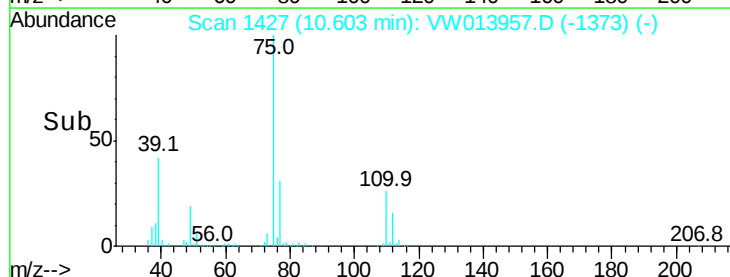
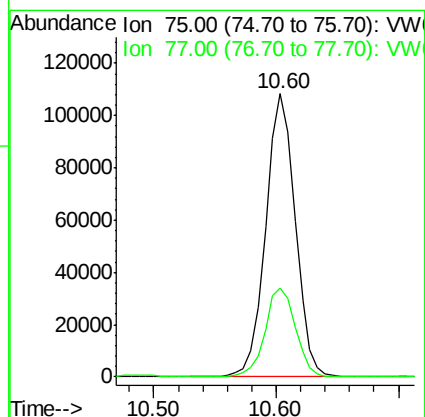
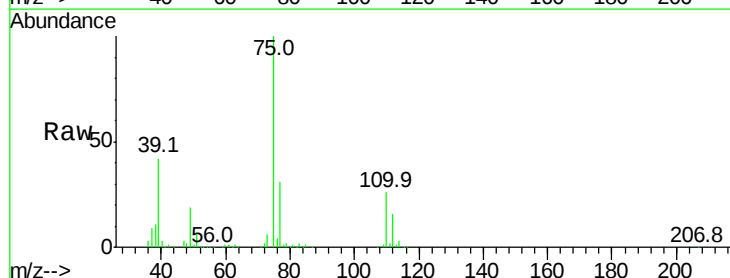
Acq: 11 Nov 2019 11:45

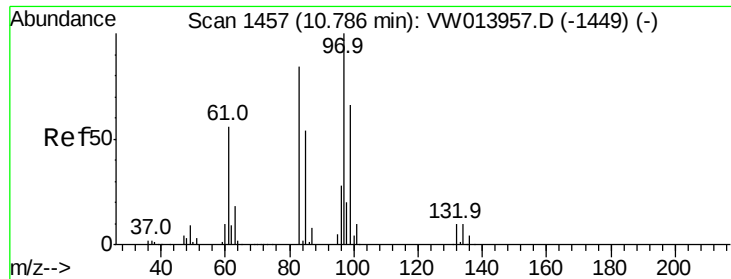
Tgt Ion: 75 Resp: 182304

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.543 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

Tgt Ion: 97 Resp: 106673

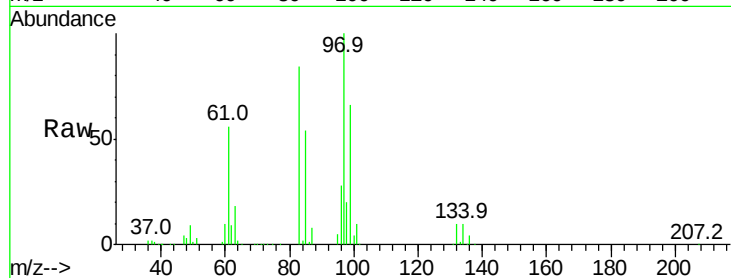
Ion Ratio Lower Upper

97 100

83 84.2 58.9 109.5

85 54.5 38.1 70.9

99 66.4 46.5 86.3

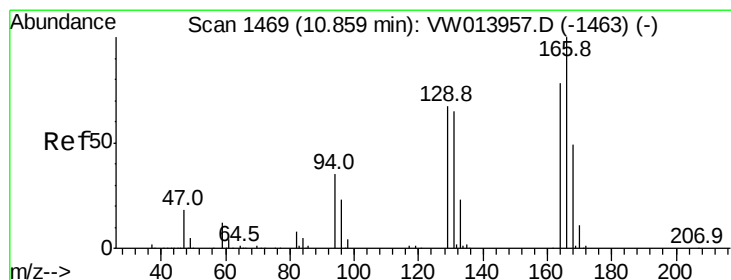
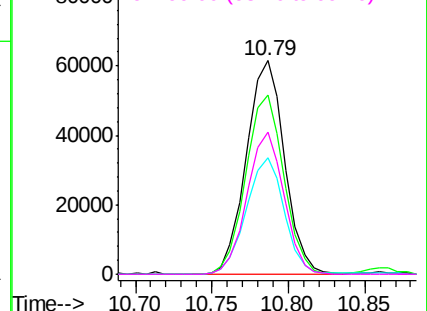
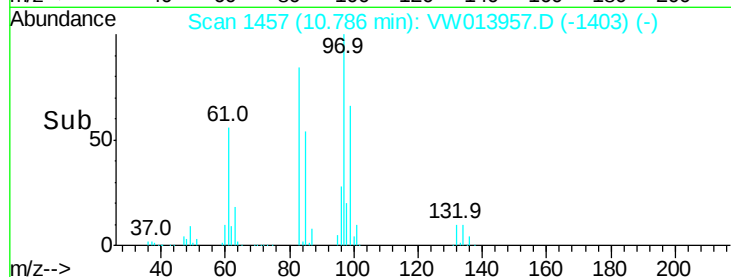


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.557 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Tgt Ion: 164 Resp: 137546

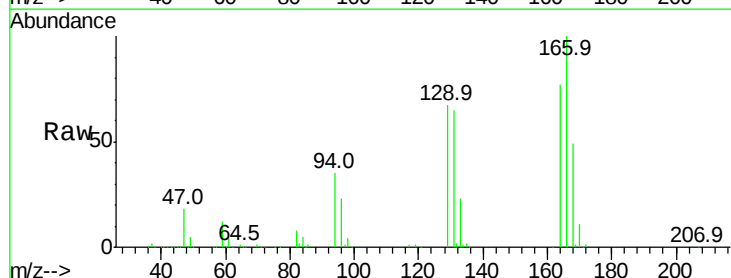
Ion Ratio Lower Upper

164 100

129 86.6 60.6 112.6

131 84.4 59.1 109.7

166 129.7 90.8 168.6

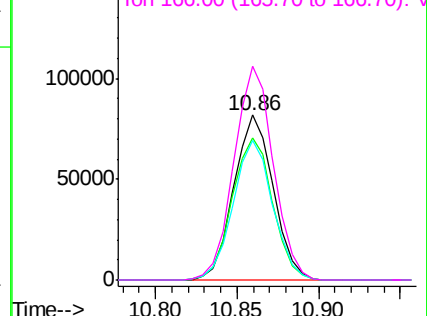
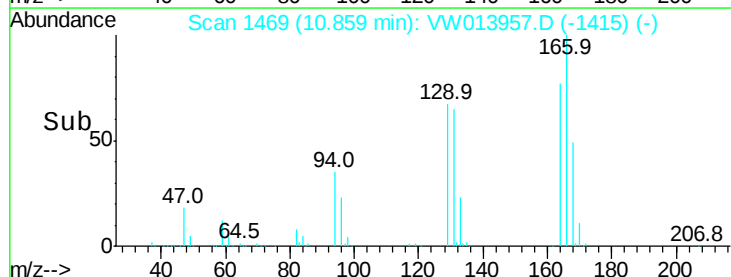


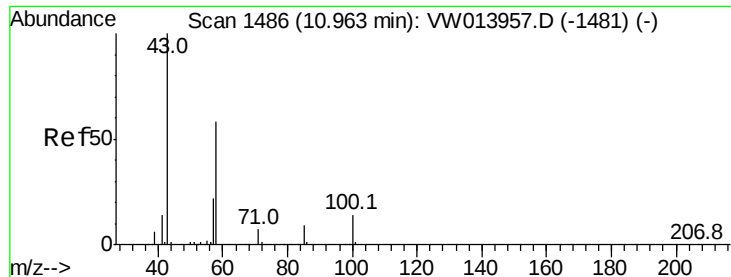
Abundance Ion 164.00 (163.70 to 164.70): V

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

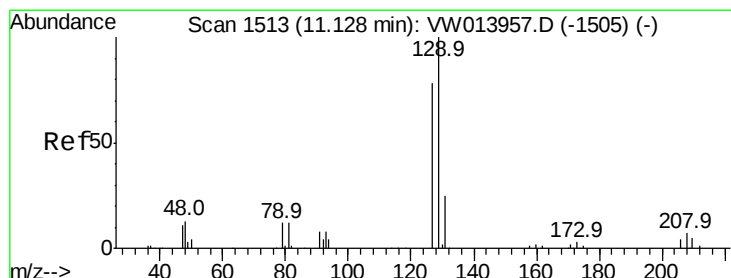
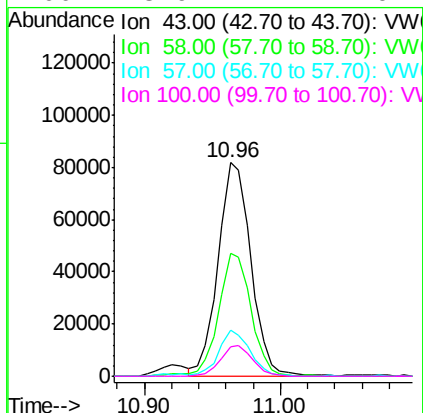
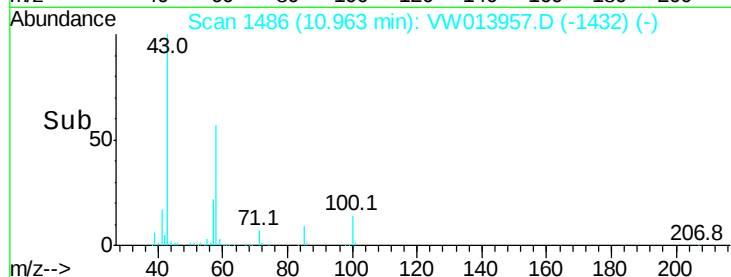
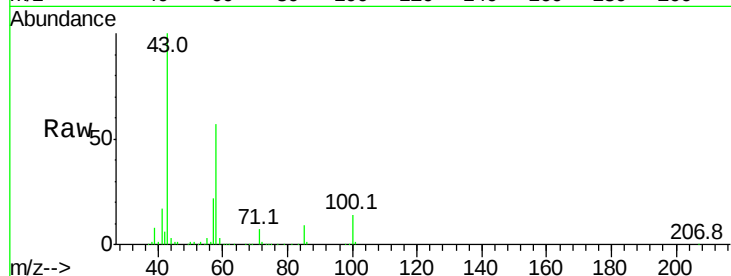




#49
2-Hexanone
Concen: 44.627 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

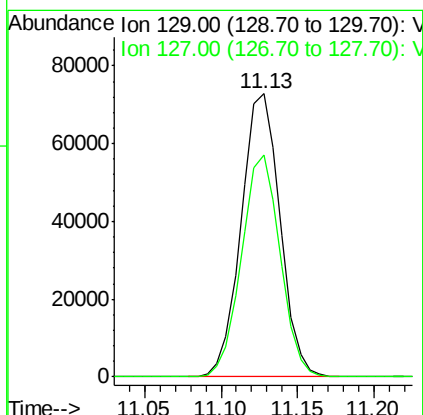
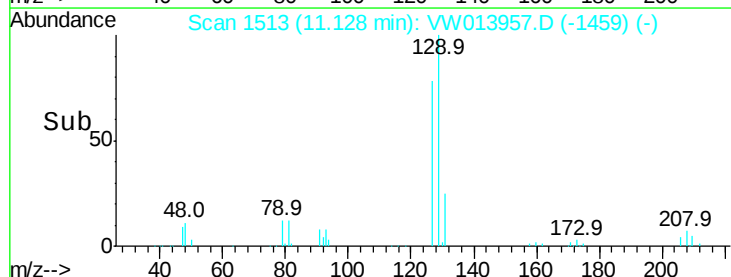
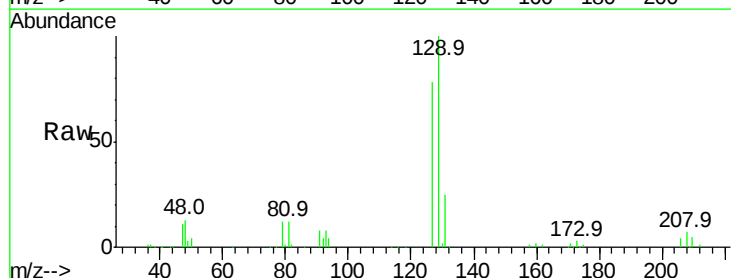
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

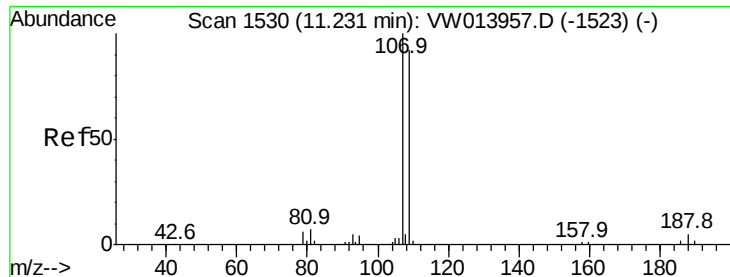
Tgt Ion: 43 Resp: 137236
Ion Ratio Lower Upper
43 100
58 55.5 44.4 66.6
57 20.6 16.5 24.7
100 13.9 11.1 16.7



#50
Dibromochloromethane
Concen: 25.537 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion: 129 Resp: 128842
Ion Ratio Lower Upper
129 100
127 78.5 54.9 102.1

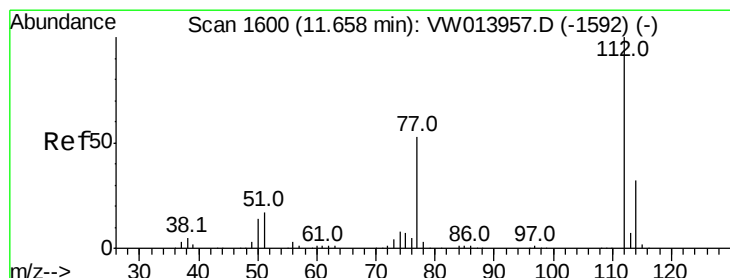
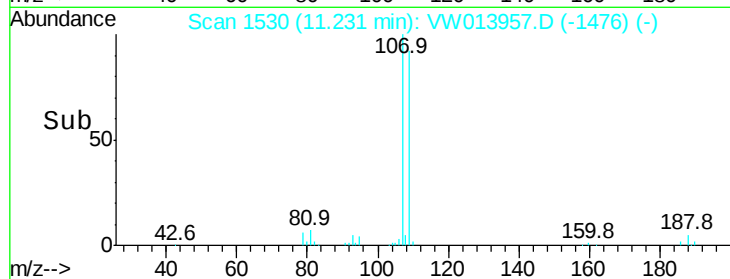
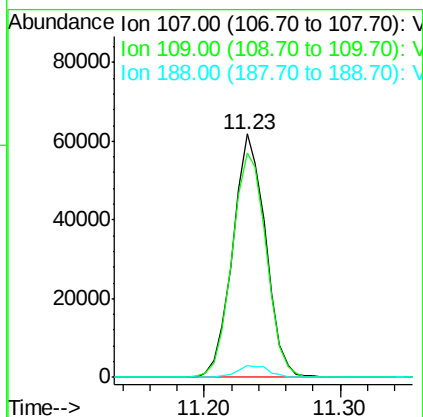
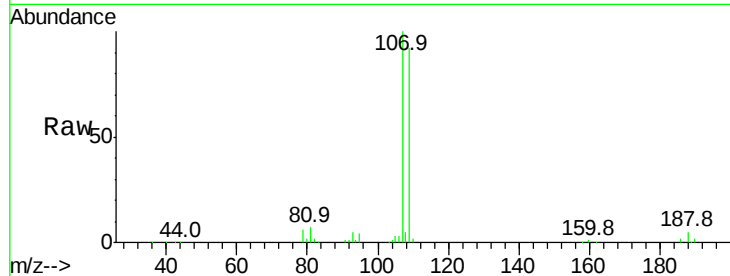




#51
1,2-Dibromoethane
Concen: 24.234 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

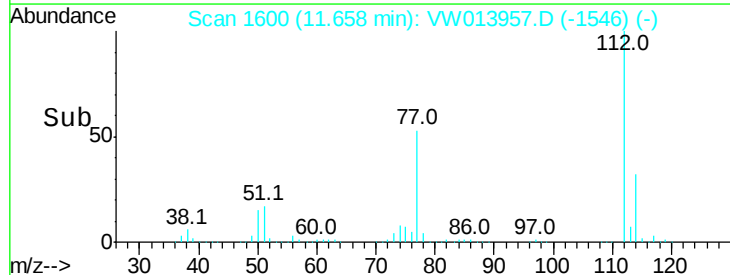
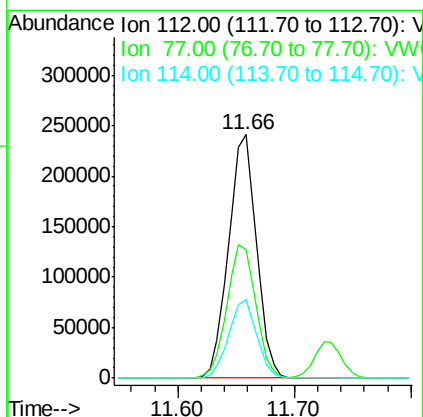
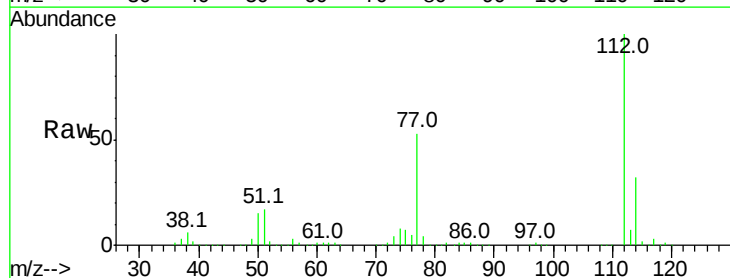
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

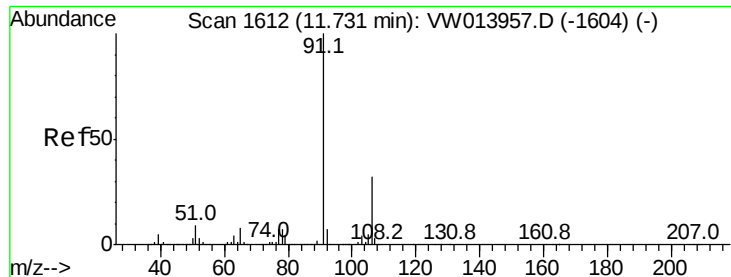
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	64.6	120.0
188	4.9	3.9	5.9



#52
Chlorobenzene
Concen: 26.246 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.8	42.2	63.4
114	32.2	22.5	41.9





#53

Ethylbenzene

Concen: 26.629 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

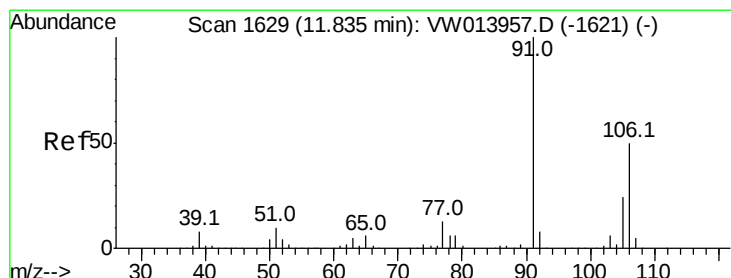
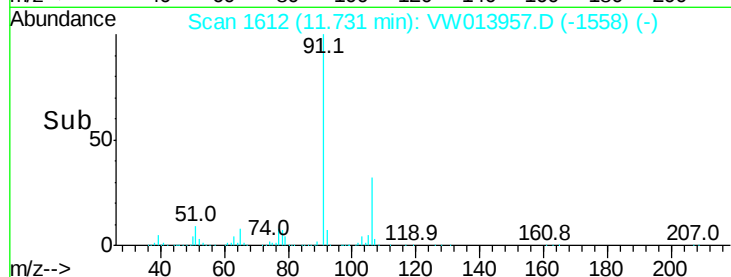
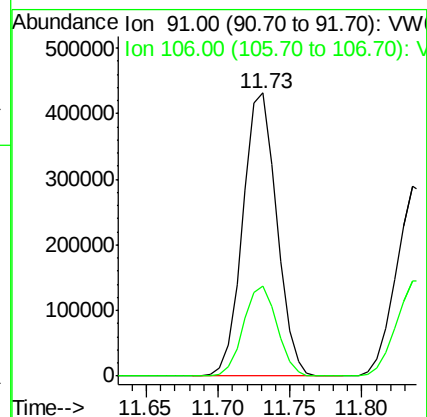
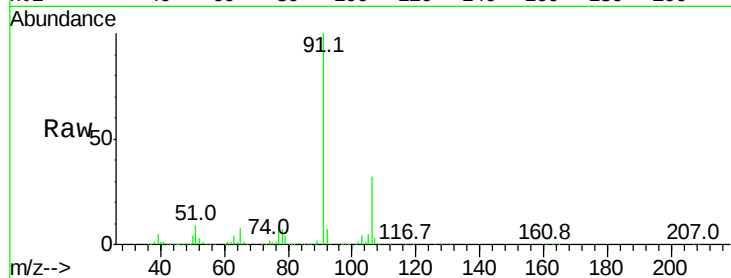
VSTD02502

Tgt Ion: 91 Resp: 706352

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#54

m,p-Xylene

Concen: 26.965 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013957.D

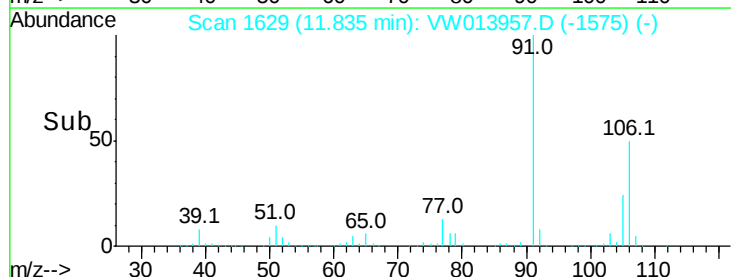
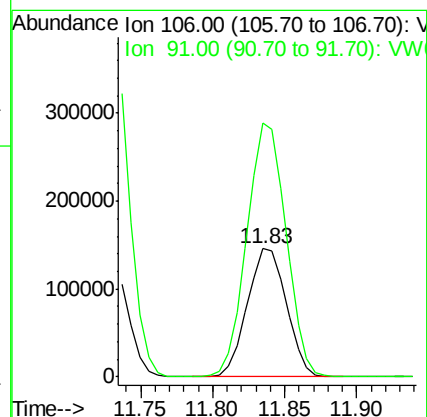
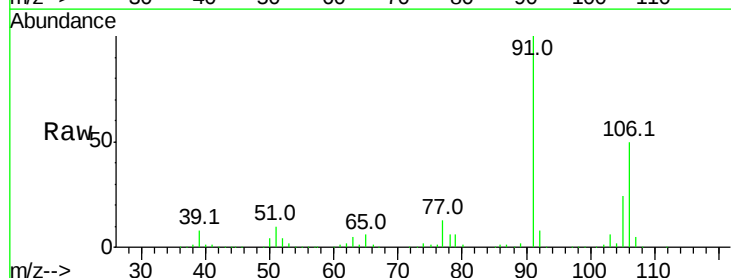
Acq: 11 Nov 2019 11:45

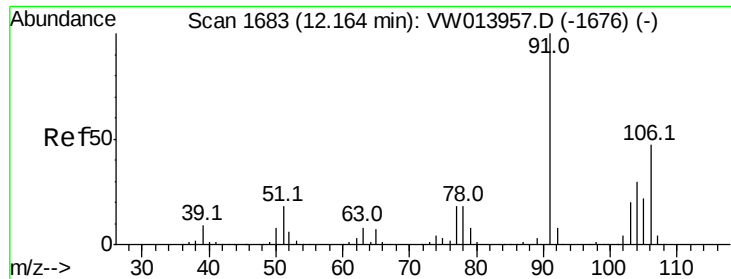
Tgt Ion: 106 Resp: 275648

Ion Ratio Lower Upper

106 100

91 198.1 138.7 257.5

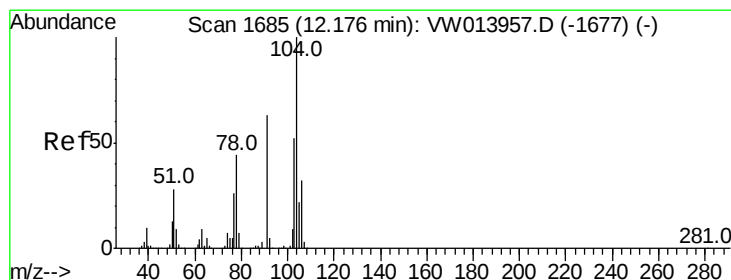
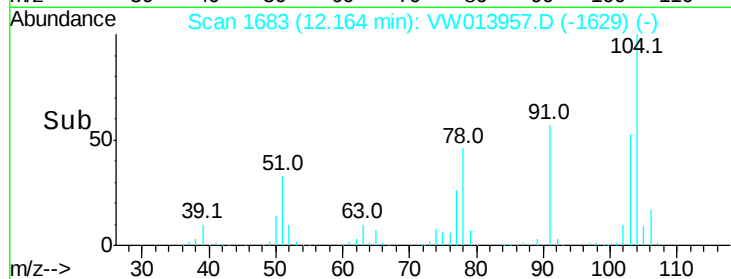
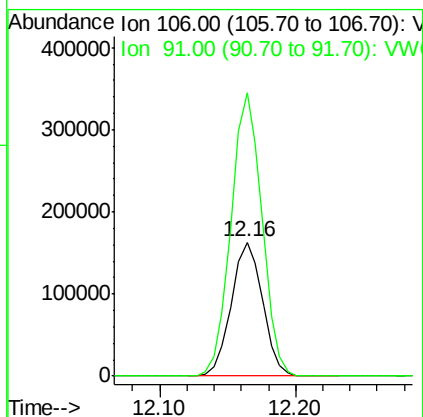
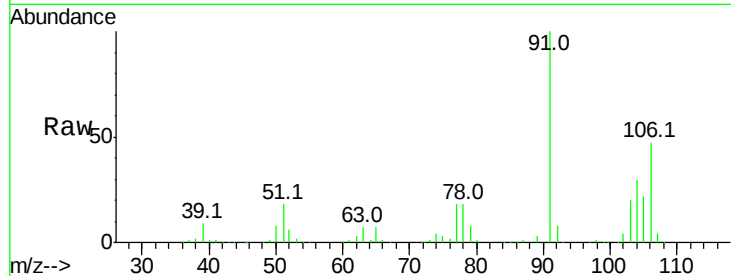




#55
o-xylene
Concen: 26.982 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

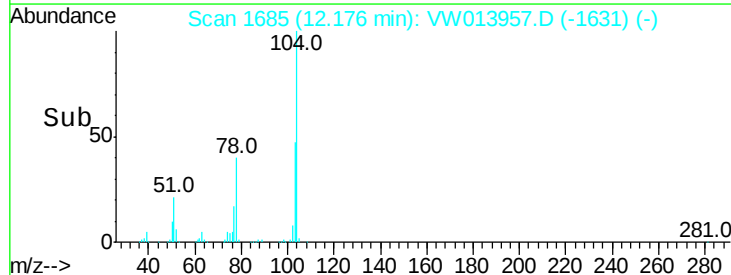
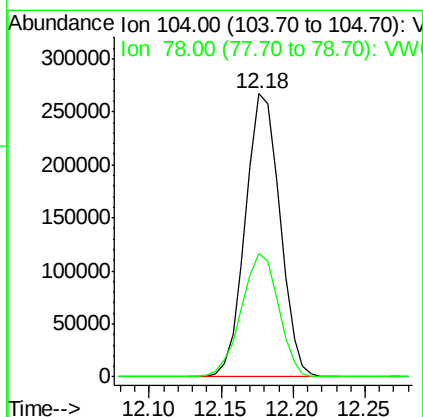
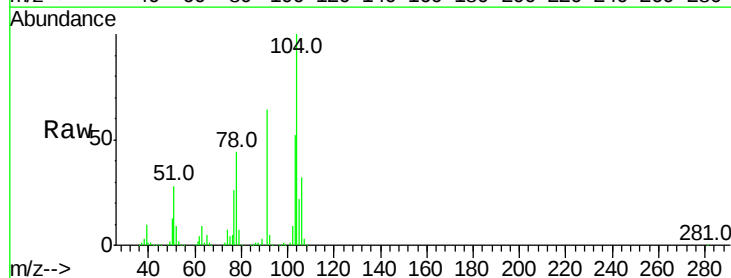
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

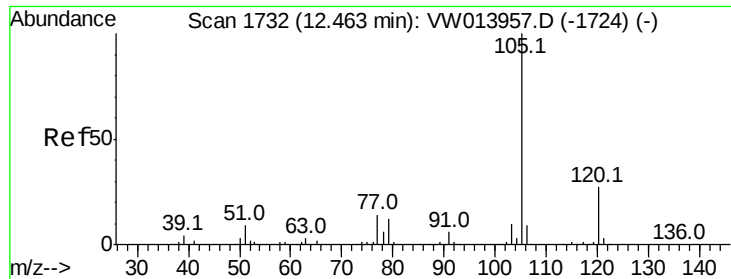
Tgt Ion:106 Resp: 260722
Ion Ratio Lower Upper
106 100
91 211.9 148.3 275.5



#56
Styrene
Concen: 26.607 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013957.D
Acq: 11 Nov 2019 11:45

Tgt Ion:104 Resp: 443654
Ion Ratio Lower Upper
104 100
78 43.7 30.6 56.8





#57

Isopropylbenzene

Concen: 27.194 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

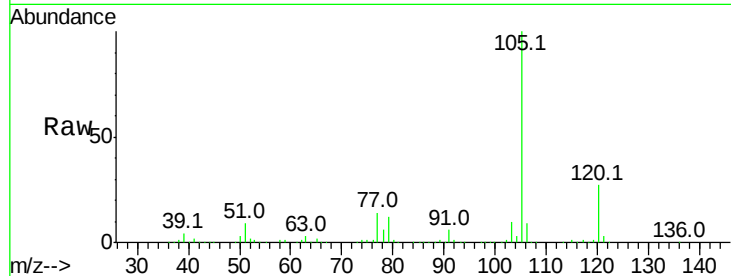
Tgt Ion: 105 Resp: 708548

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

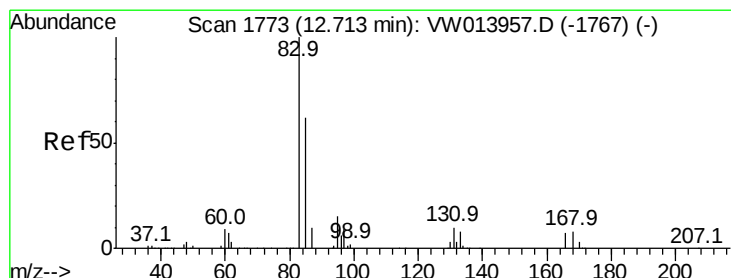
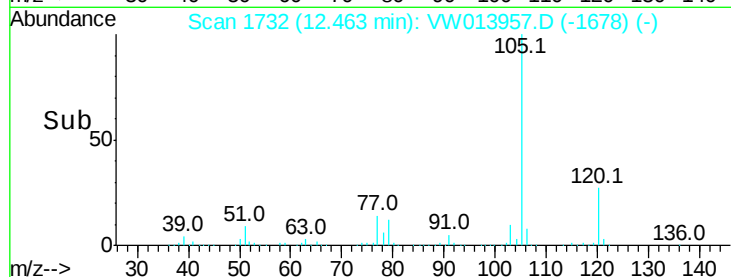
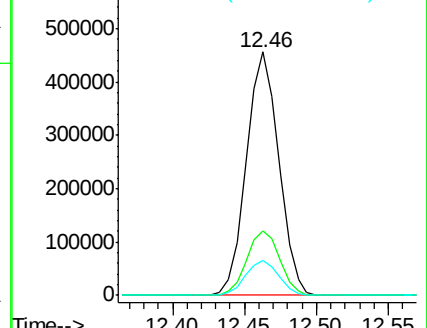
77 14.5 11.6 17.4



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: 23.340 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

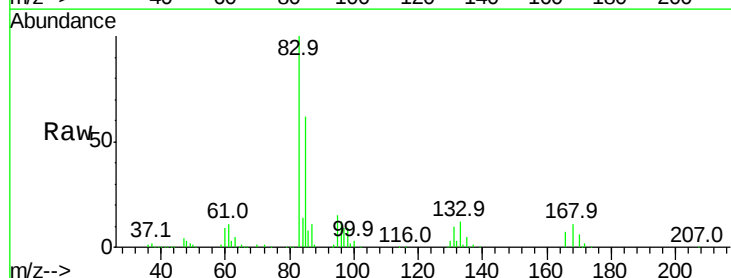
Tgt Ion: 83 Resp: 127754

Ion Ratio Lower Upper

83 100

85 62.4 43.7 81.1

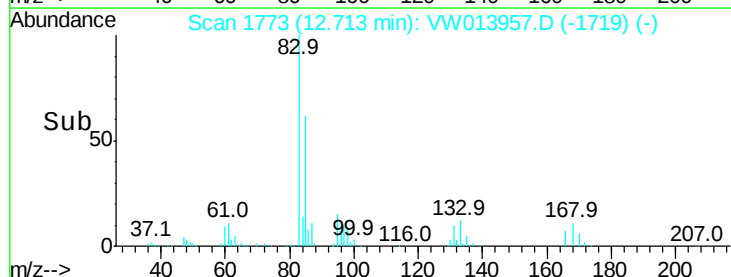
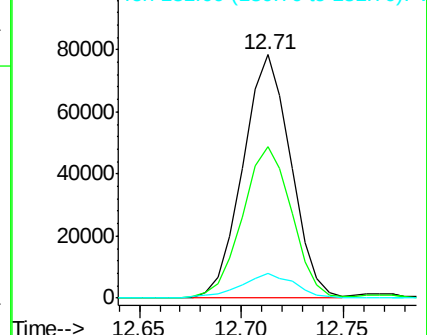
131 10.2 8.2 12.2

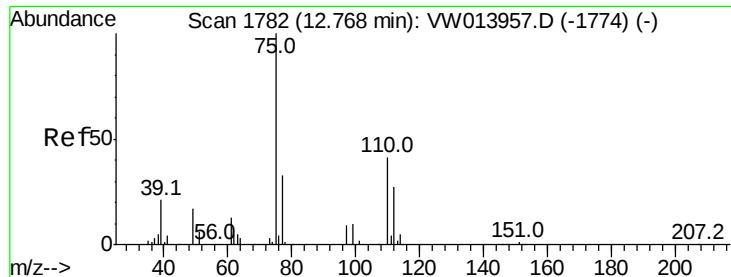


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

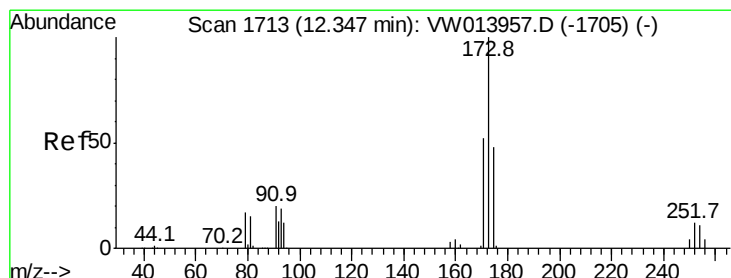
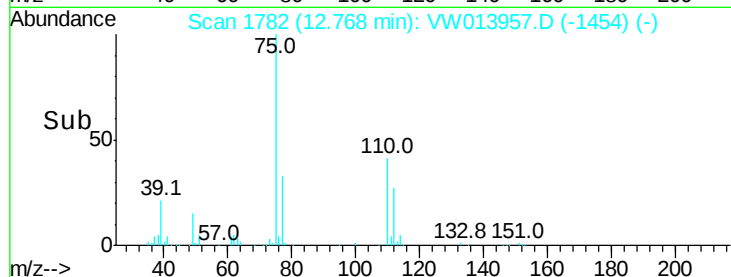
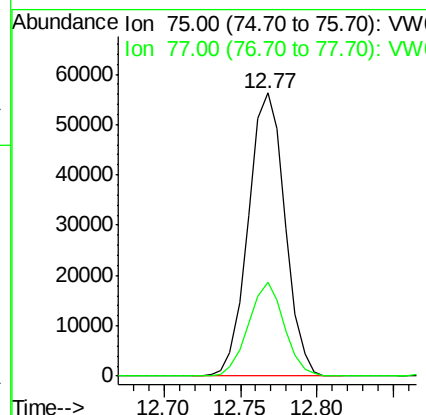
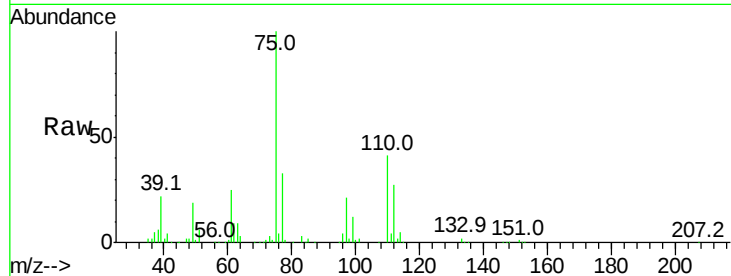




#59
 1,2,3-Trichloropropane
 Concen: 22.867 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

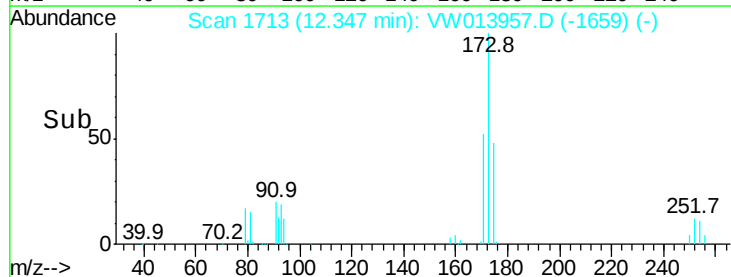
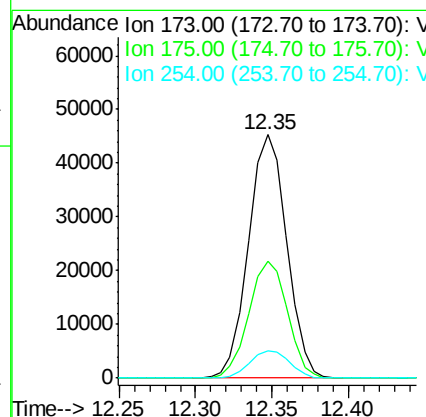
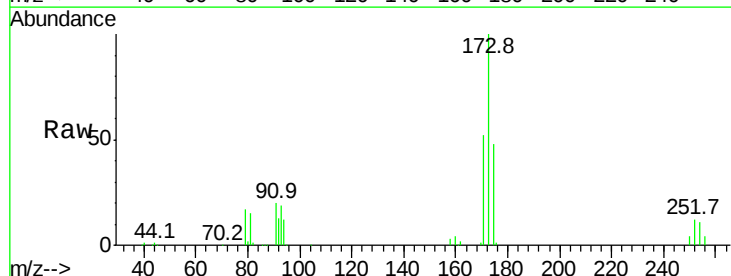
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

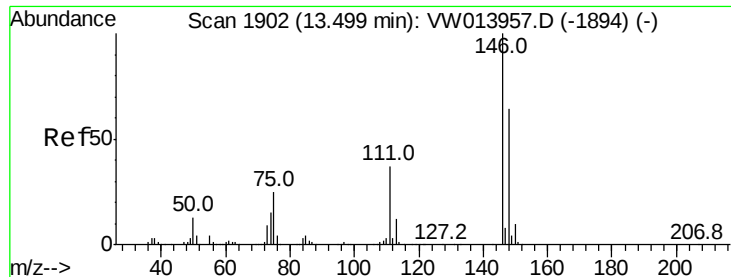
Tgt Ion: 75 Resp: 93979
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#62
 Bromoform
 Concen: 23.921 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion: 173 Resp: 79159
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 11.7 9.4 14.0

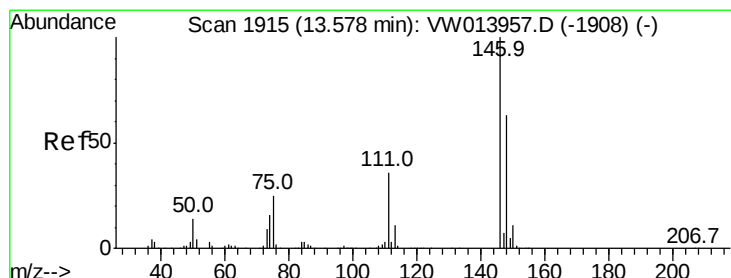
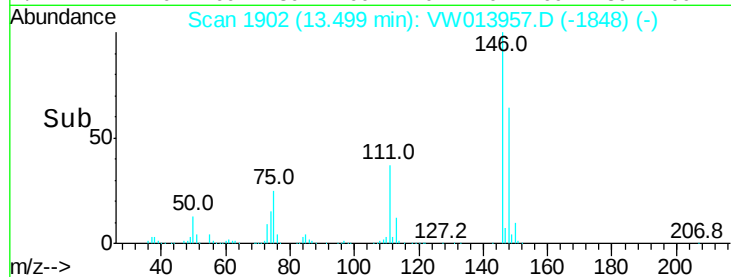
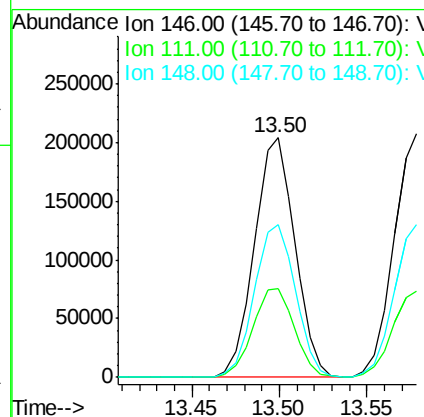
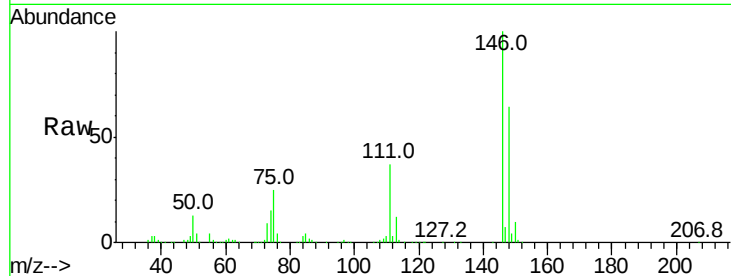




#63
 1,3-Dichlorobenzene
 Concen: 26.071 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

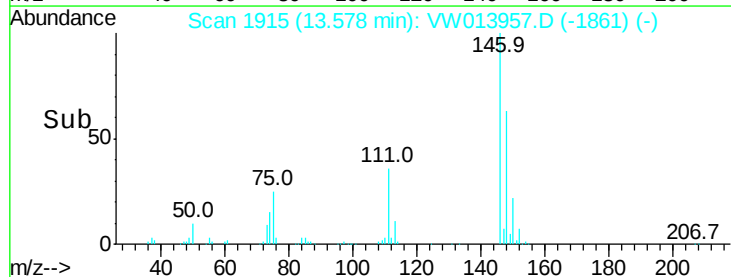
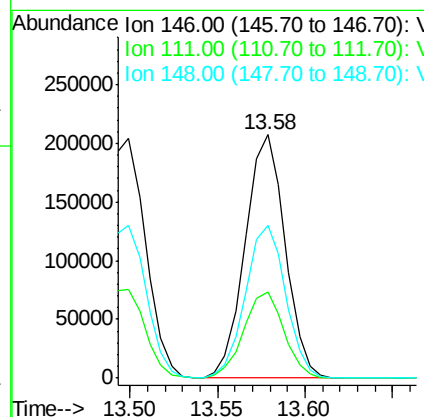
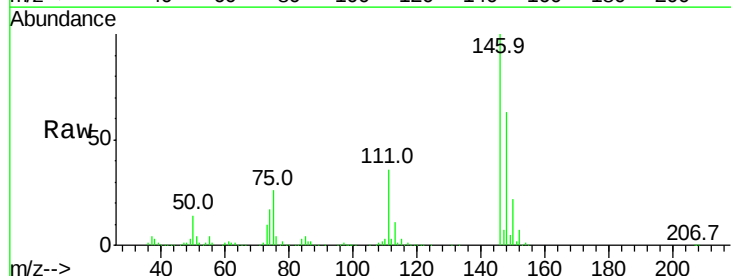
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

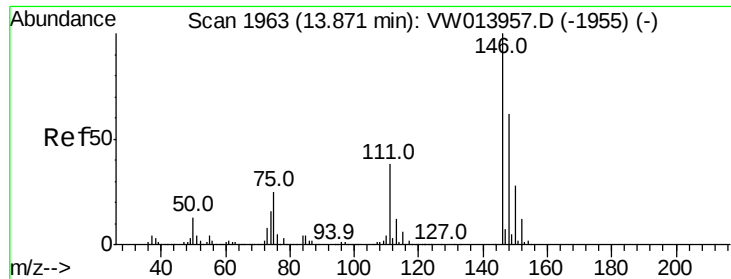
Tgt Ion:146 Resp: 328611
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.2
 148 63.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.044 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion:146 Resp: 329073
 Ion Ratio Lower Upper
 146 100
 111 35.6 24.9 46.3
 148 62.7 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 25.965 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

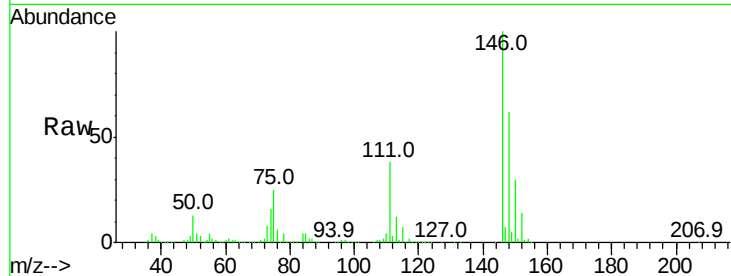
Tgt Ion:146 Resp: 295929

Ion Ratio Lower Upper

146 100

111 38.1 30.5 45.7

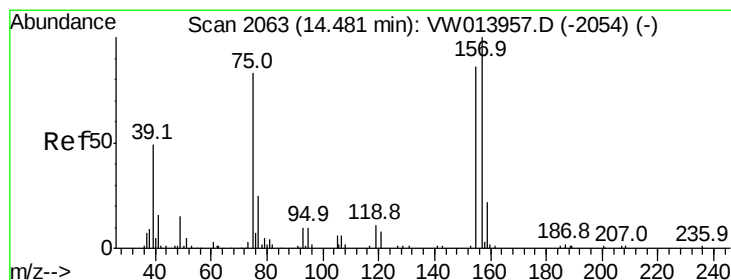
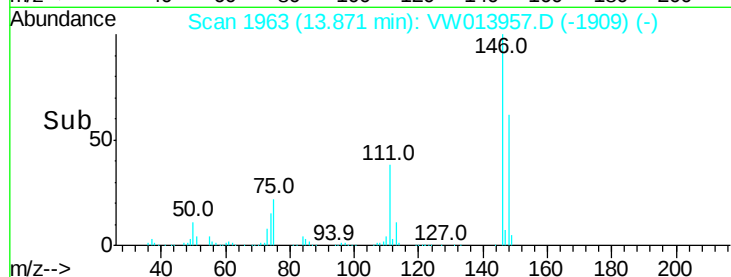
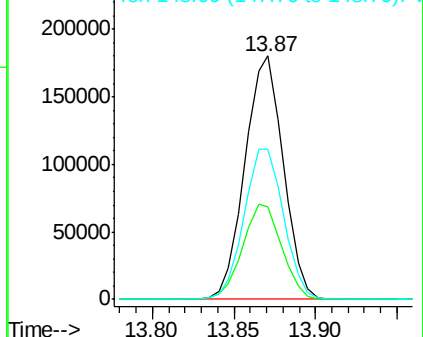
148 61.8 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.401 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

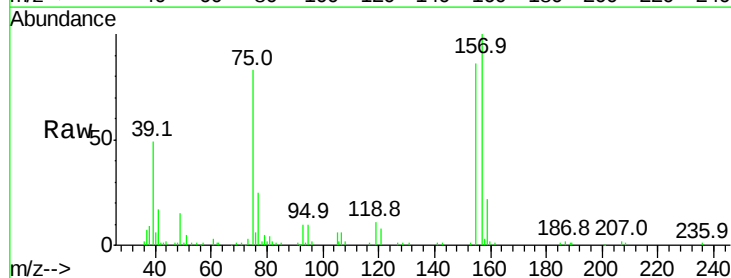
Tgt Ion: 75 Resp: 19539

Ion Ratio Lower Upper

75 100

157 121.1 96.9 145.3

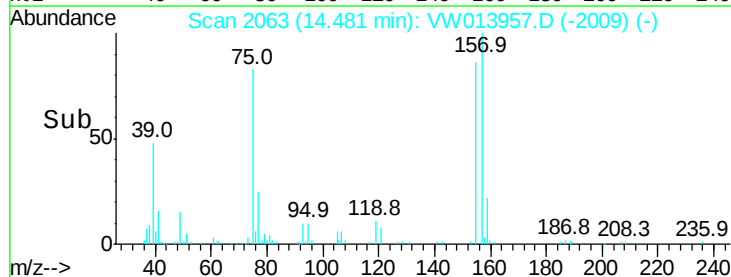
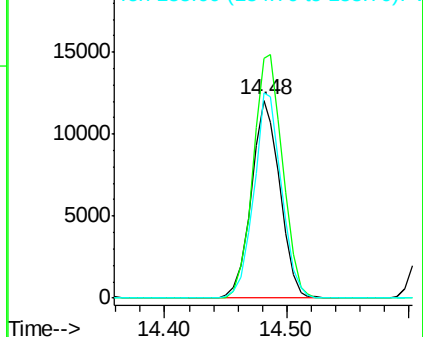
155 103.6 82.9 124.3

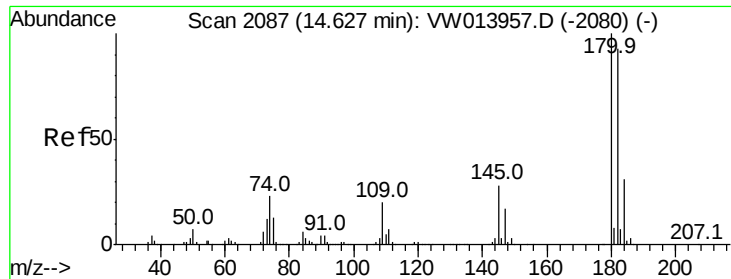


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

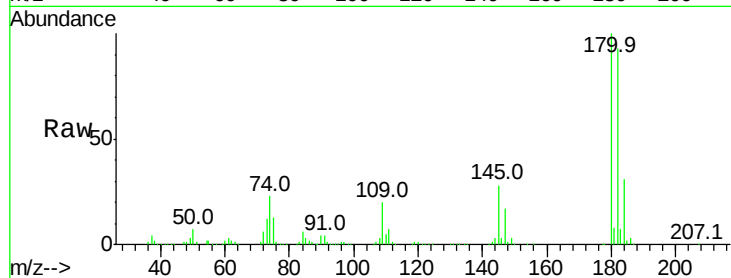




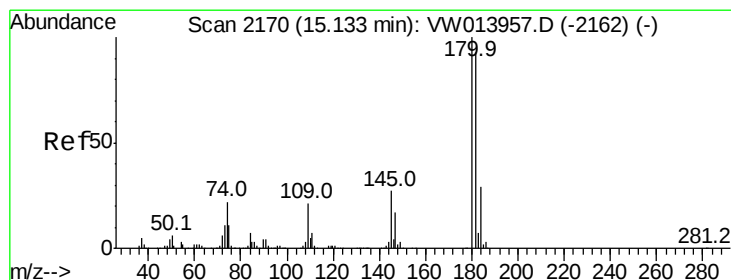
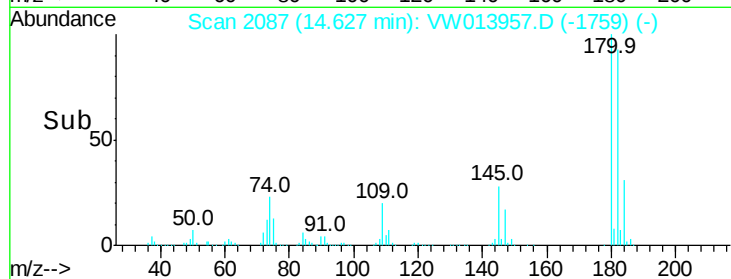
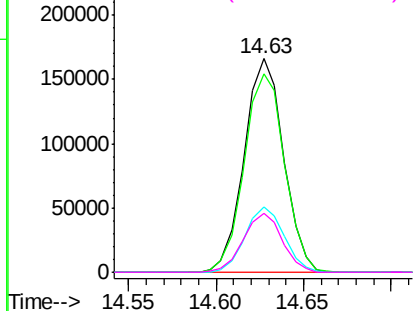
#67
 1,3,5-Trichlorobenzene
 Concen: 27.385 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tgt Ion:180 Resp: 259975
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 184 30.4 24.3 36.5
 145 27.4 21.9 32.9

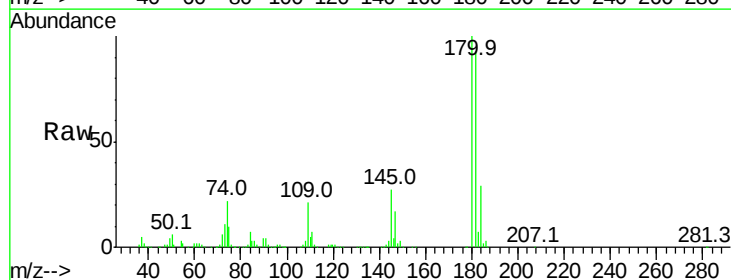


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

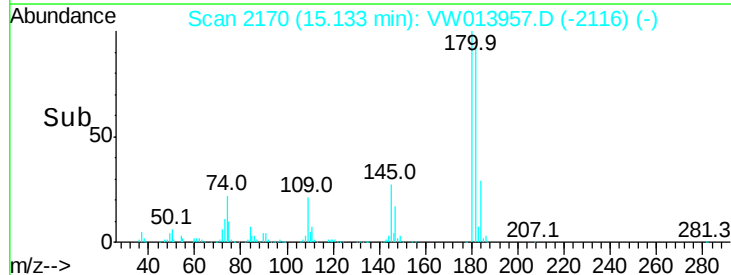
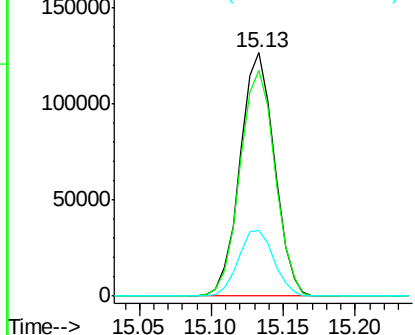


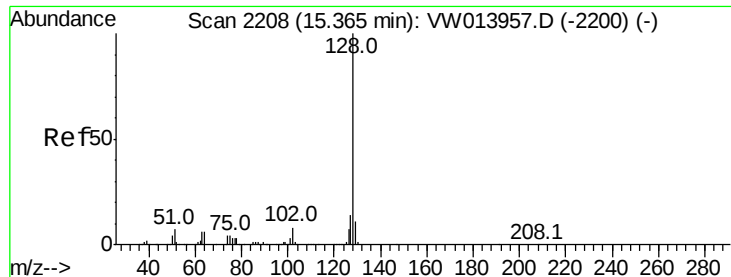
#68
 1,2,4-trichlorobenzene
 Concen: 27.215 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013957.D
 Acq: 11 Nov 2019 11:45

Tgt Ion:180 Resp: 209166
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 145 28.0 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: 25.826 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

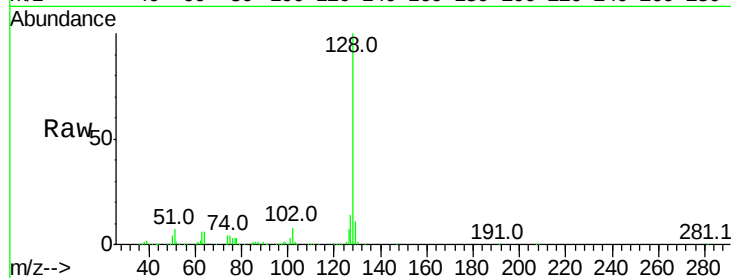
Tgt Ion:128 Resp: 376583

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

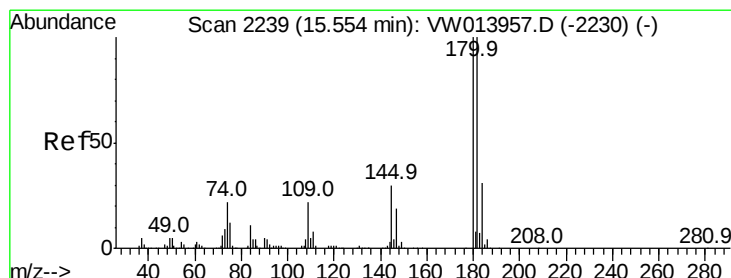
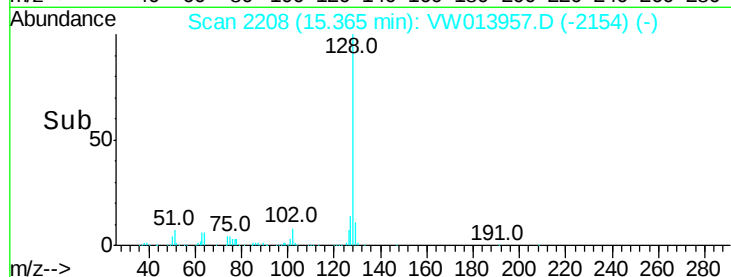
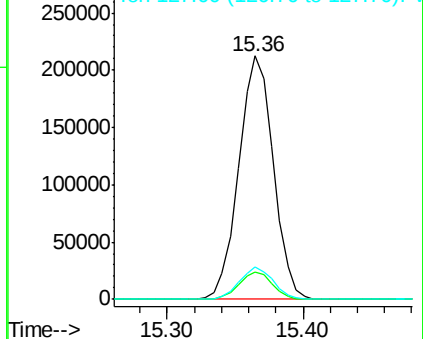
127 13.0 10.4 15.6



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: 25.810 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013957.D

Acq: 11 Nov 2019 11:45

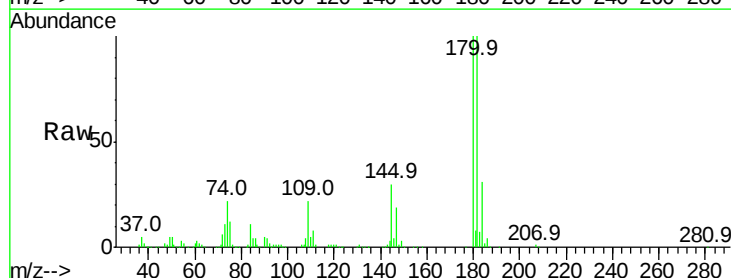
Tgt Ion:180 Resp: 182794

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 30.0 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

