

Data File : VW013955.D
Acq On : 11 Nov 2019 10:52
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Quant Time: Nov 11 12:18:31 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	343055	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321306	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181666	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	13102	2.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	10933	2.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	27541	2.53	ug/L	0.00
20) 2-Butanone-d5	7.07	46	7867	4.10	ug/L	0.00
24) Chloroform-d	7.64	84	26825	2.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14012	2.41	ug/L	0.00
29) Benzene-d6	8.27	84	58482	2.72	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	17160	2.63	ug/L	0.00
37) Toluene-d8	10.32	98	54910	2.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6941	2.33	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	5499	3.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12509	2.17	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	19653	2.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9245	2.507 ug/L	96
3) Chloromethane	2.21	50	9118	2.156 ug/L	86
5) Vinyl chloride	2.36	62	13003	2.153 ug/L	98
6) Bromomethane	2.78	94	8509	2.240 ug/L	100
8) Chloroethane	2.92	64	7658	2.233 ug/L	80
9) Trichlorofluoromethane	3.26	101	9114	2.962 ug/L	94
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13280	2.249 ug/L	95
12) 1,1-Dichloroethene	4.04	96	12695	2.144 ug/L	97
13) Acetone	4.12	43	10068	5.382 ug/L	97
14) Carbon disulfide	4.38	76	36039	2.130 ug/L	98
15) Methyl Acetate	4.67	43	5798	1.790 ug/L	95
16) Methylene chloride	4.90	84	11307	1.763 ug/L	83
17) Methyl tert-butyl Ether	5.43	73	17922	2.393 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	14012	2.271 ug/L	98
19) 1,1-Dichloroethane	6.22	63	23441	2.238 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	14296	2.203 ug/L	100
23) Bromochloromethane	7.51	128	6389	2.094 ug/L	97
25) Chloroform	7.67	83	23531	2.234 ug/L	96
27) 1,2-Dichloroethane	8.40	62	14214	2.040 ug/L	99
30) Cyclohexane	7.96	56	22750	2.346 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	18938	2.407 ug/L	73
32) Carbon tetrachloride	8.06	117	17825	2.317 ug/L	98
34) Benzene	8.32	78	54464	2.335 ug/L	100
35) Trichloroethene	9.09	95	14932	2.428 ug/L	95
36) Methylcyclohexane	9.33	83	25770	2.388 ug/L	99
40) 1,2-Dichloropropane	9.37	63	13177	2.301 ug/L	99
41) Bromodichloromethane	9.64	83	15128	2.102 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	19566	2.168 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	16514	3.750 ug/L	96
44) Toluene	10.38	91	59953	2.392 ug/L	100

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Instrument :
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ClientSampleId :
VSTD2.506

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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)

45) trans-1,3-Dichloropropene	10.60	75	15666	2.101	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	9881	2.161	ug/L	92
47) Tetrachloroethene	10.86	164	12942	2.286	ug/L	93
49) 2-Hexanone	10.96	43	11338	3.505	ug/L	97
50) Dibromochloromethane	11.13	129	10285	1.938	ug/L	96
51) 1,2-Dibromoethane	11.23	107	9355	2.070	ug/L	94
52) Chlorobenzene	11.66	112	37239	2.304	ug/L	94
53) Ethylbenzene	11.73	91	65104	2.333	ug/L	99
54) m,p-Xylene	11.83	106	25632	2.384	ug/L	98
55) o-xylene	12.16	106	22924	2.255	ug/L	100
56) Styrene	12.18	104	36777	2.097	ug/L	97
57) Isopropylbenzene	12.46	105	63094	2.302	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	10293	1.788	ug/L	91
59) 1,2,3-Trichloropropane	12.77	75	8393	1.941	ug/L #	83
62) Bromoform	12.35	173	6711	2.032	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	30165	2.398	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	30326	2.405	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	25977	2.284	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1675	1.838	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	21941	2.316	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16325	2.128	ug/L	98
69) Naphthalene	15.36	128	27967	1.922	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	14470	2.047	ug/L	94

(#) = 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 :
VSTD2.506

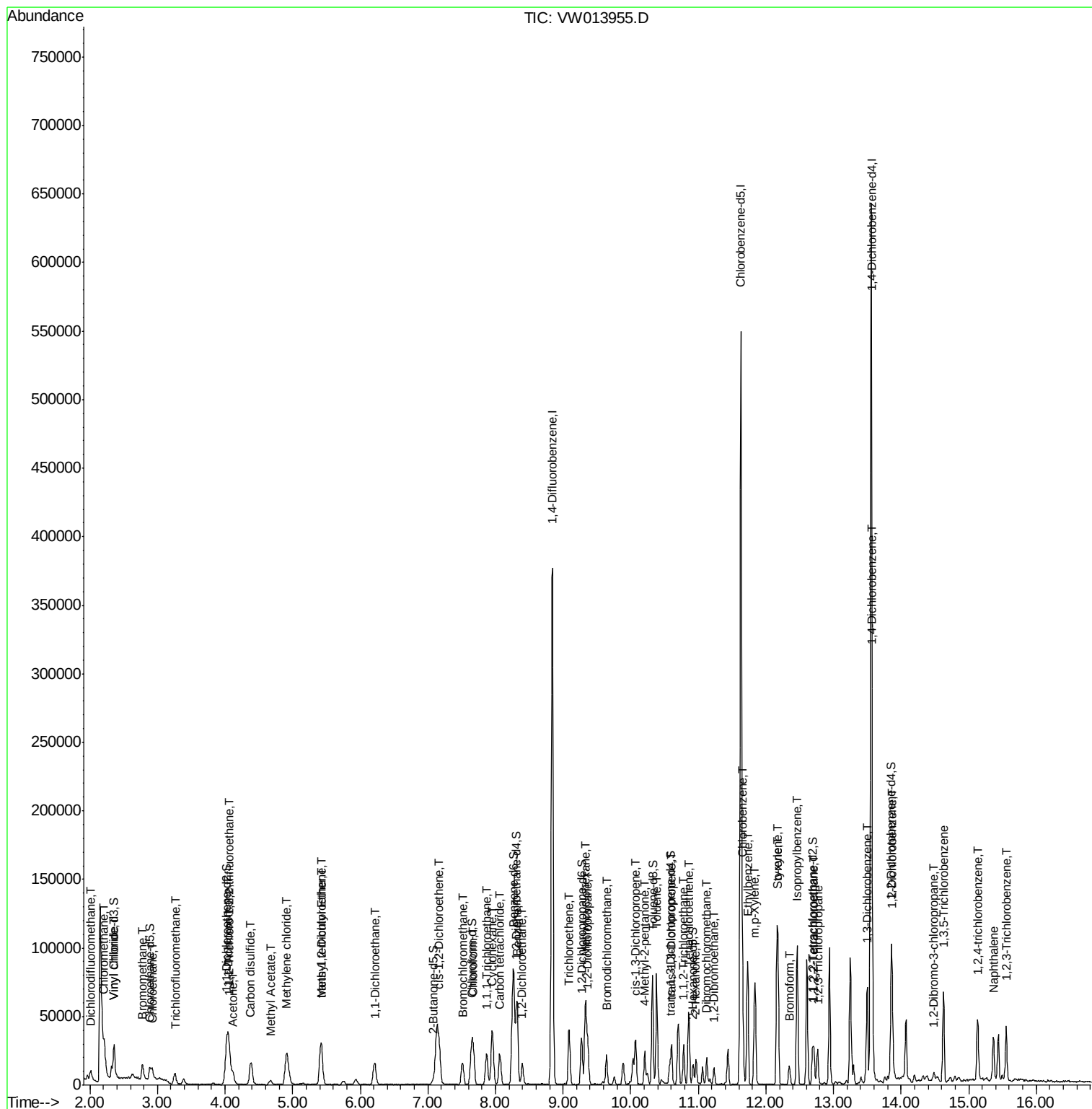
Quant Time: Nov 11 12:18:31 2019

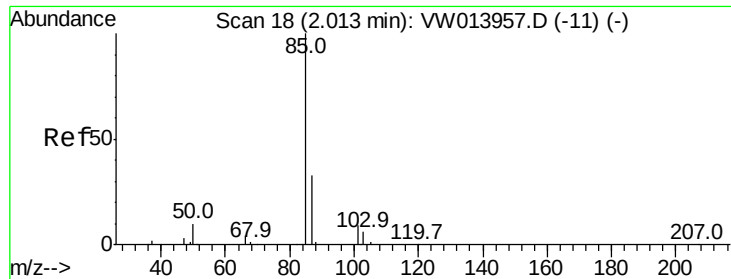
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M

Quant Title : VOC Analysis

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.507 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

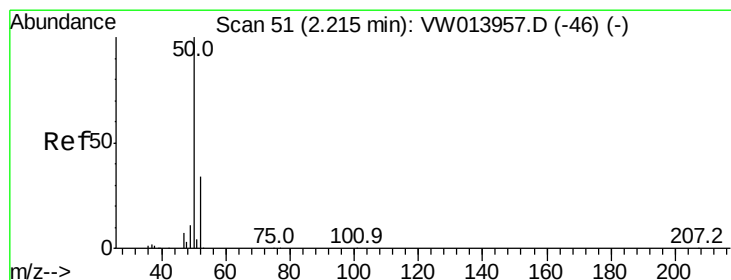
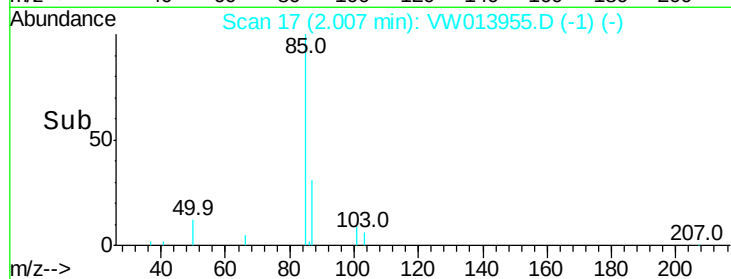
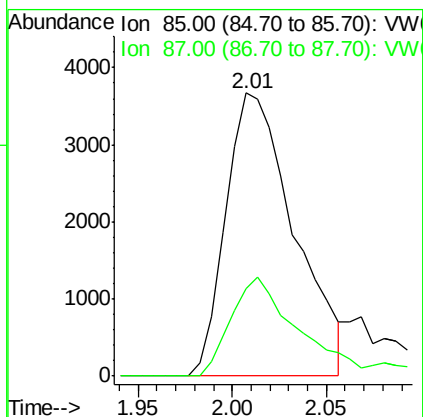
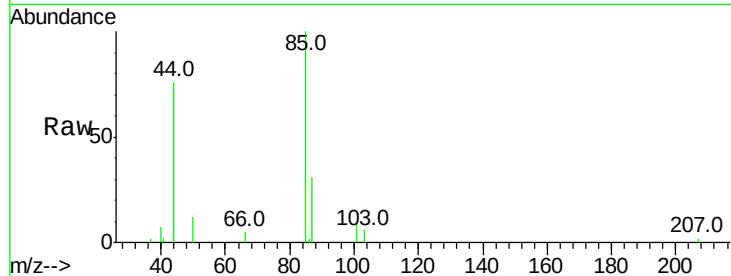
VSTD2.506

Tgt Ion: 85 Resp: 9245

Ion Ratio Lower Upper

85 100

87 33.6 22.1 41.1



#3

Chloromethane

Concen: 2.156 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013955.D

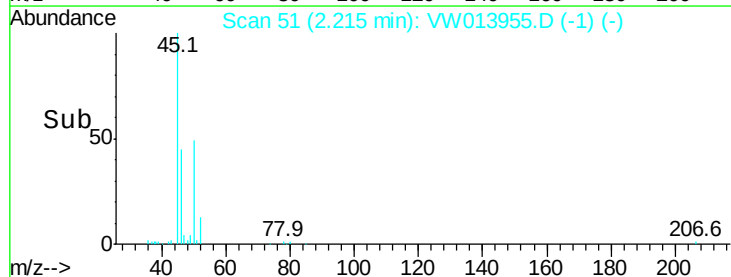
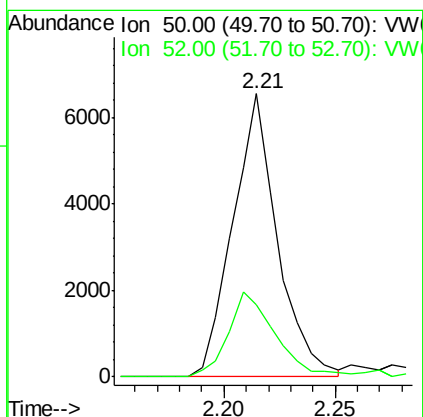
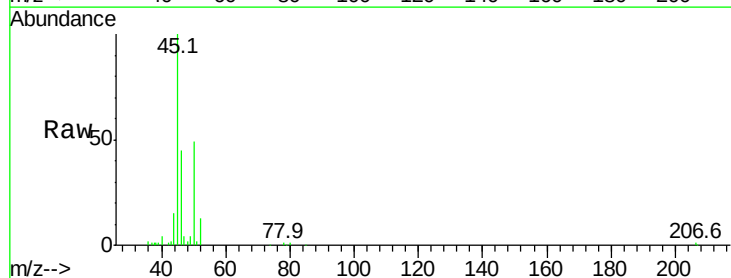
Acq: 11 Nov 2019 10:52

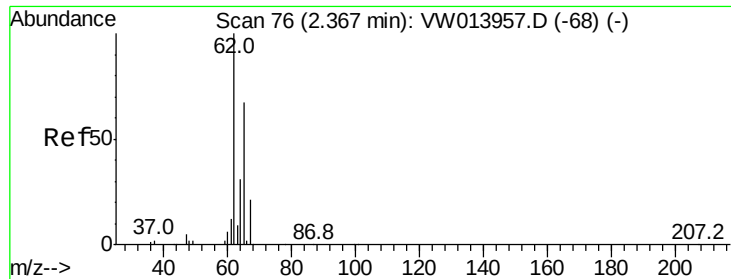
Tgt Ion: 50 Resp: 9118

Ion Ratio Lower Upper

50 100

52 25.7 23.8 44.2





#5

Vinyl chloride

Concen: 2.153 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

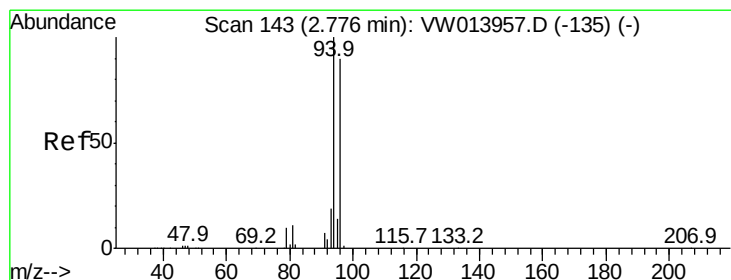
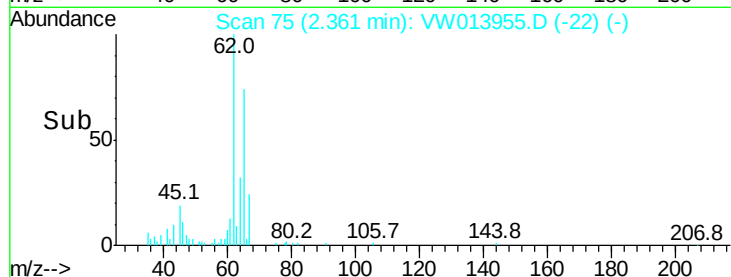
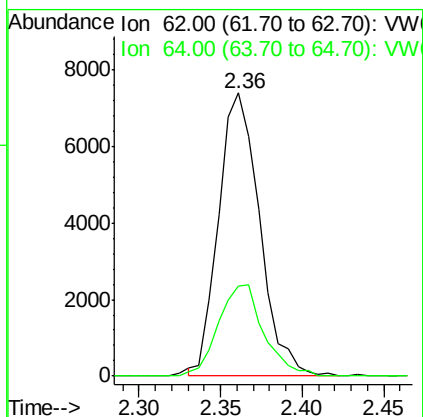
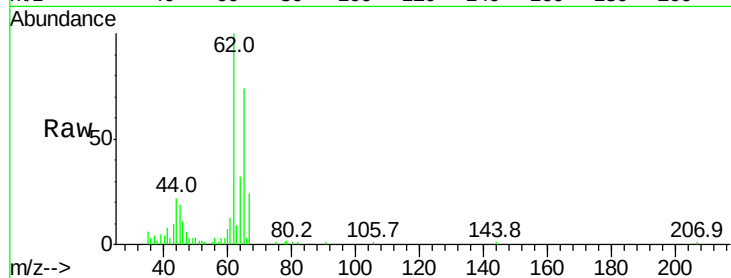
VSTD2.506

Tgt Ion: 62 Resp: 13003

Ion Ratio Lower Upper

62 100

64 31.9 21.8 40.4



#6

Bromomethane

Concen: 2.240 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013955.D

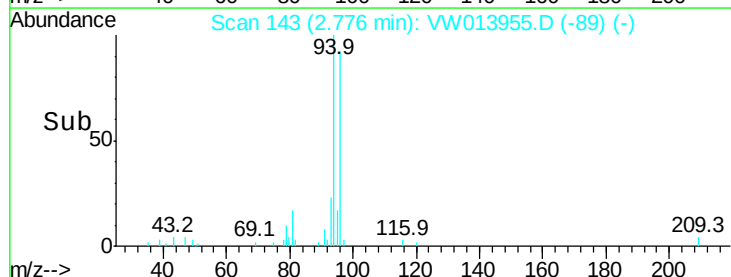
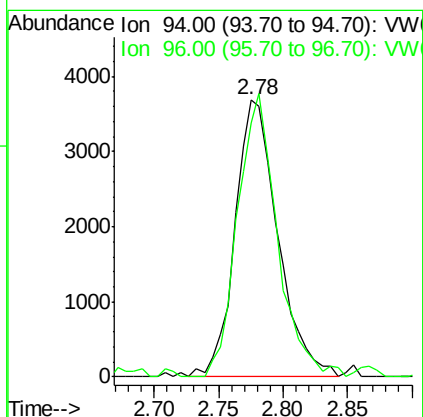
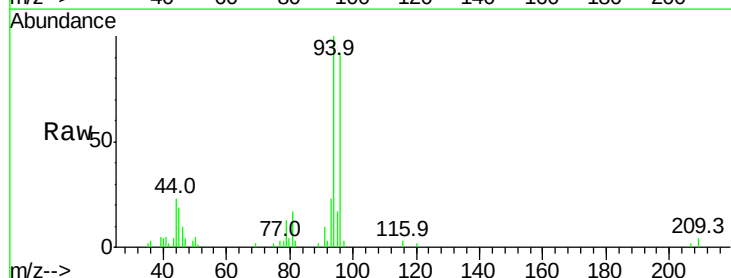
Acq: 11 Nov 2019 10:52

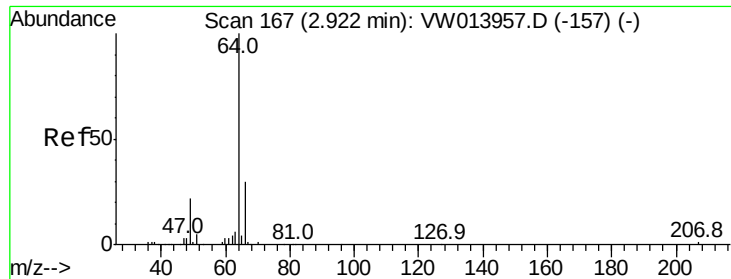
Tgt Ion: 94 Resp: 8509

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.8





#8

Chloroethane

Concen: 2.233 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

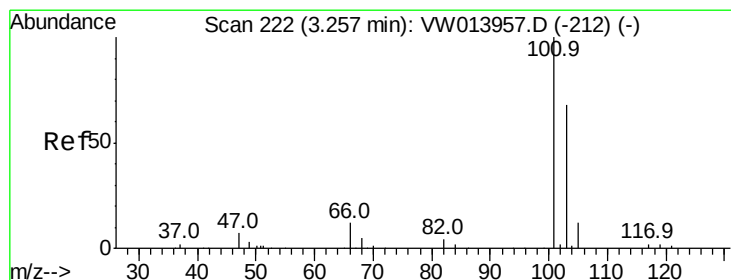
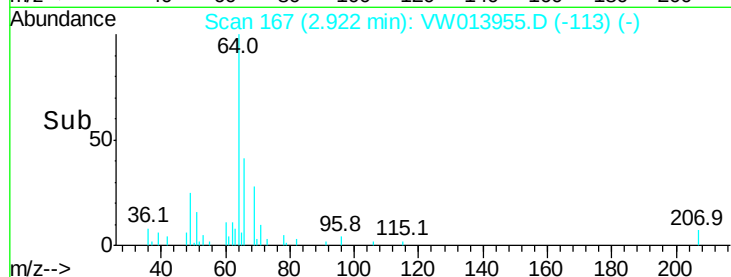
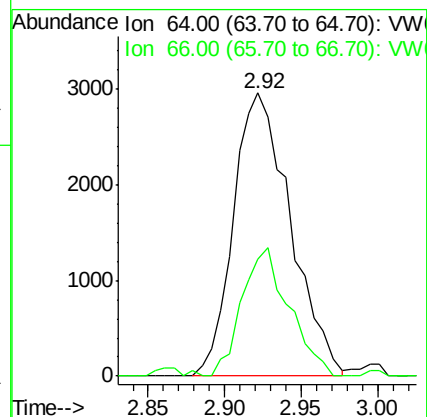
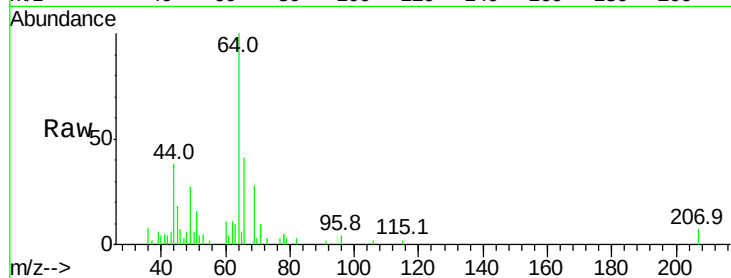
VSTD2.506

Tgt Ion: 64 Resp: 7658

Ion Ratio Lower Upper

64 100

66 41.1 21.2 39.4#



#9

Trichlorofluoromethane

Concen: 2.962 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW013955.D

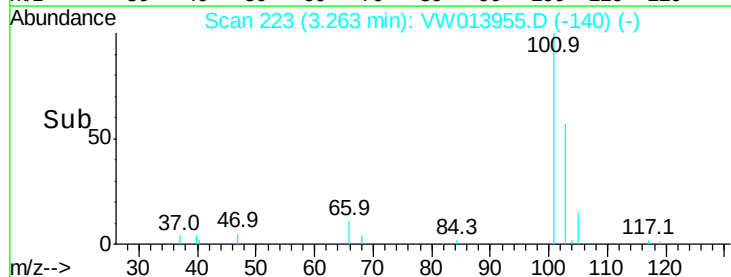
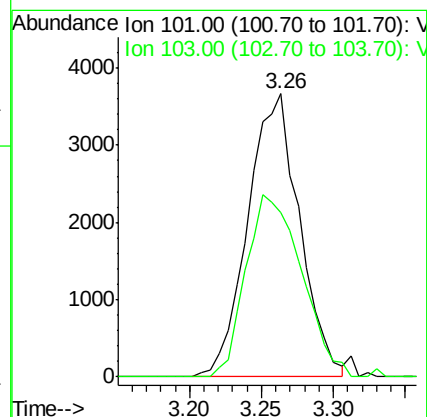
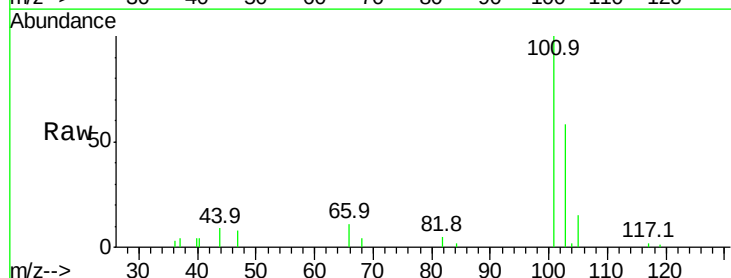
Acq: 11 Nov 2019 10:52

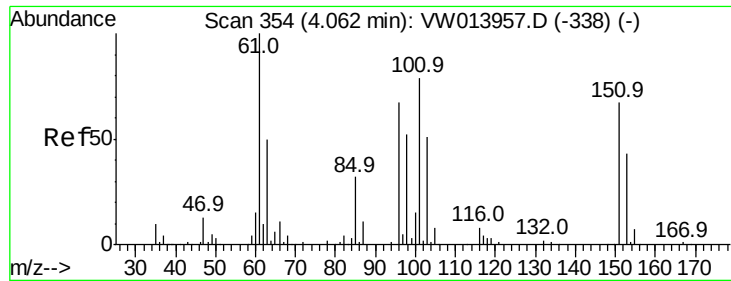
Tgt Ion: 101 Resp: 9114

Ion Ratio Lower Upper

101 100

103 69.5 45.4 84.2





#11

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

Concen: 2.249 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

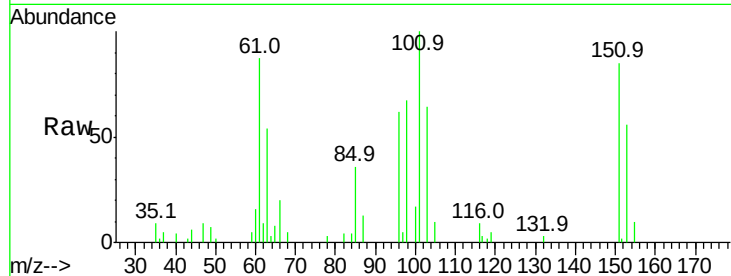
Tgt Ion: 101 Resp: 13280

Ion Ratio Lower Upper

101 100

85 37.6 31.4 47.2

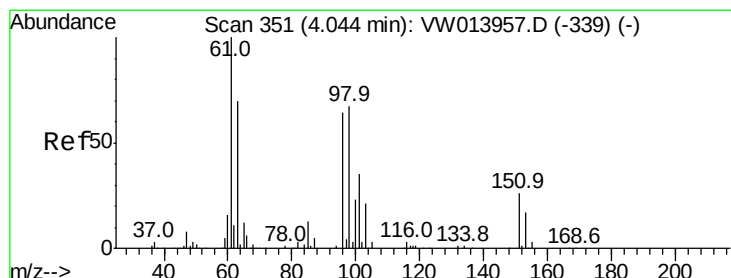
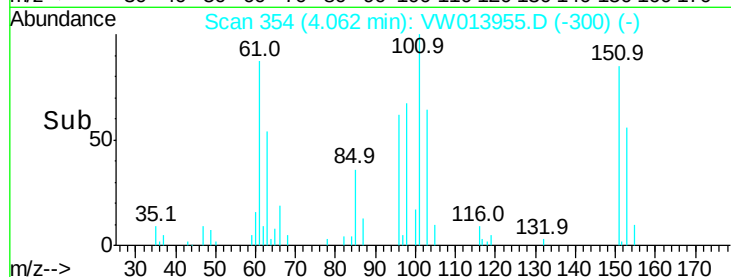
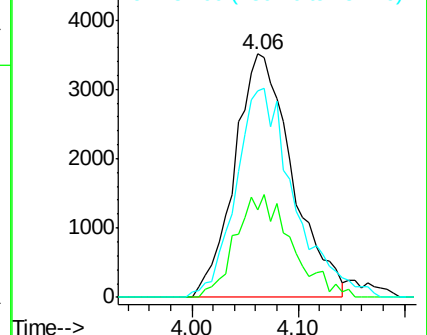
151 77.7 66.9 100.3



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: 2.144 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

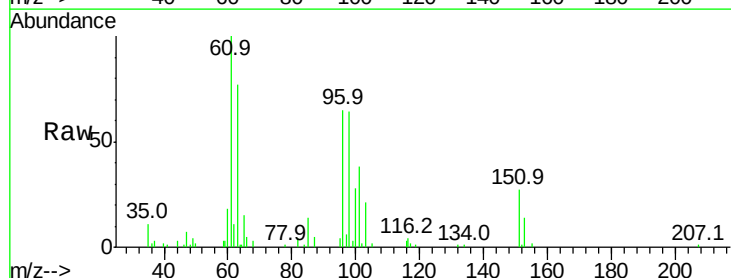
Tgt Ion: 96 Resp: 12695

Ion Ratio Lower Upper

96 100

61 153.2 109.8 204.0

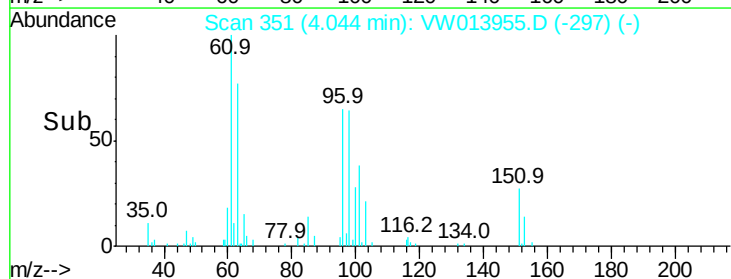
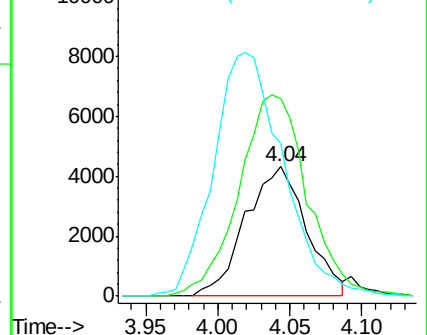
63 118.6 80.7 149.9

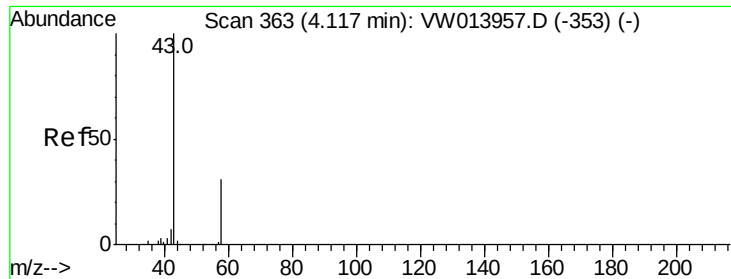


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.382 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

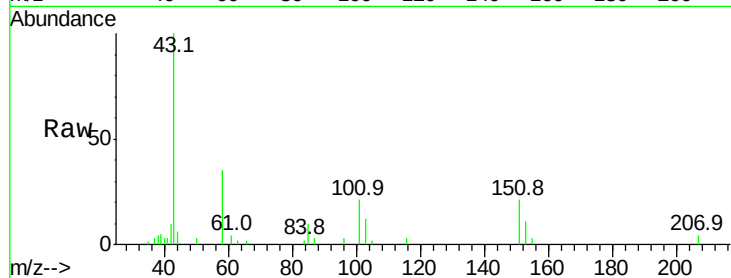
VSTD2.506

Tgt Ion: 43 Resp: 10068

Ion Ratio Lower Upper

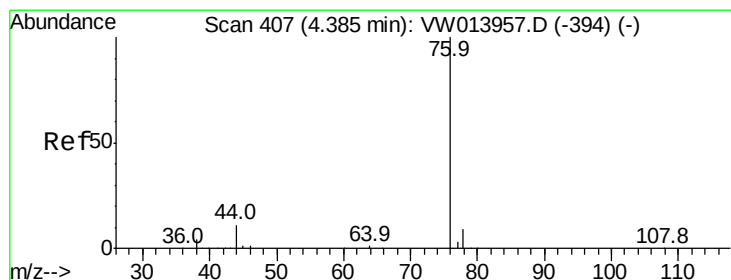
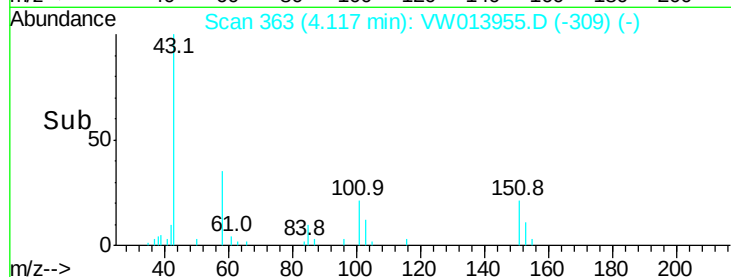
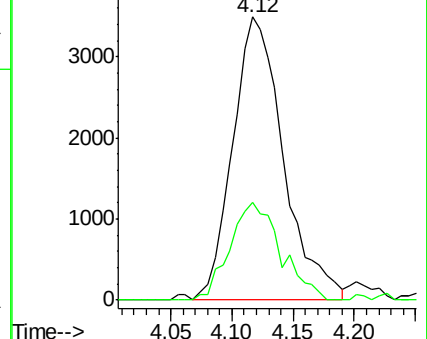
43 100

58 34.6 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: 2.130 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013955.D

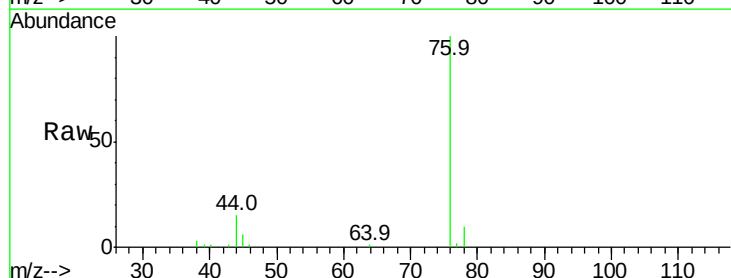
Acq: 11 Nov 2019 10:52

Tgt Ion: 76 Resp: 36039

Ion Ratio Lower Upper

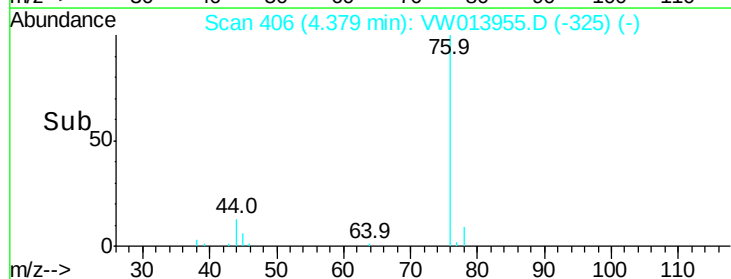
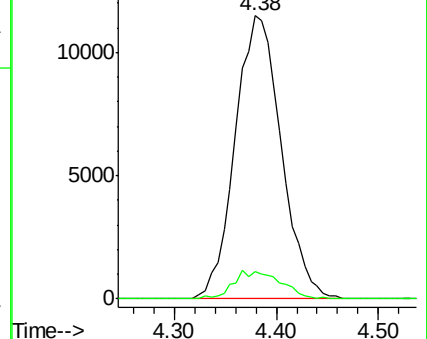
76 100

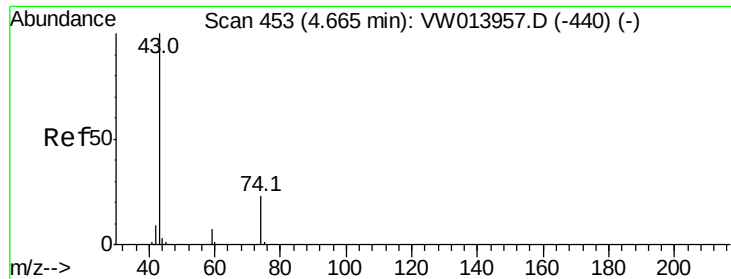
78 9.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

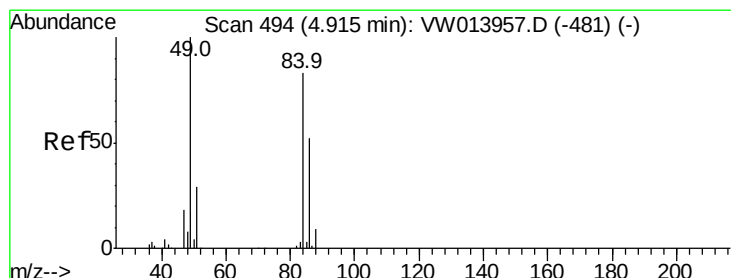
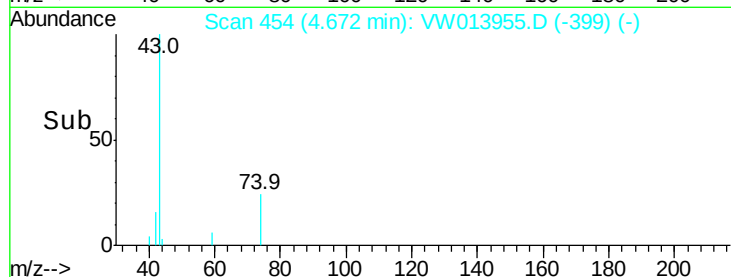
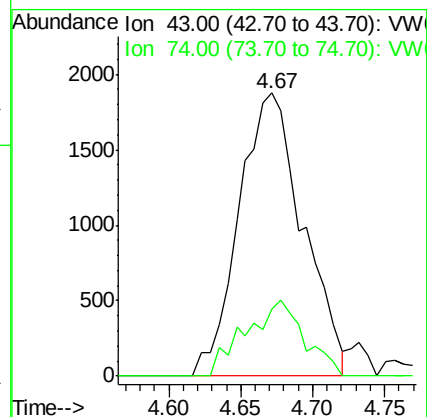
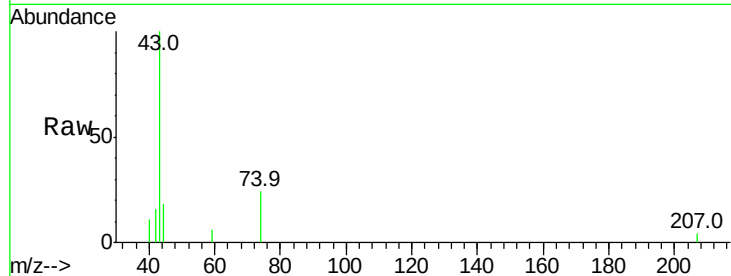




#15
Methyl Acetate
Concen: 1.790 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

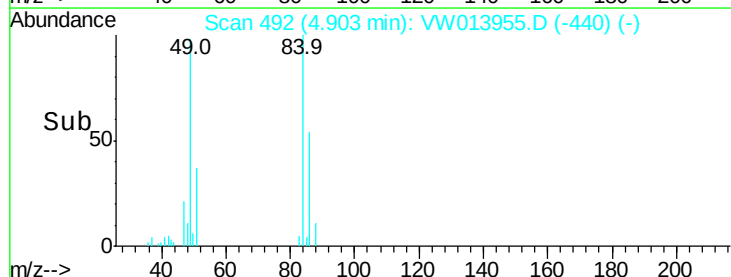
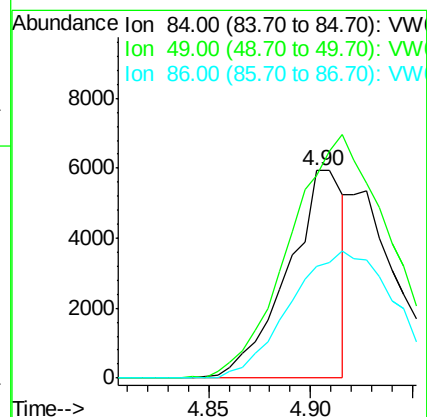
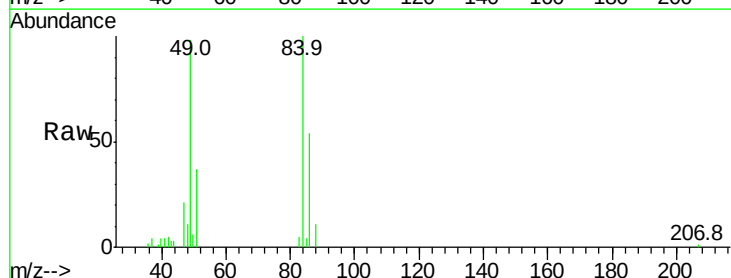
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

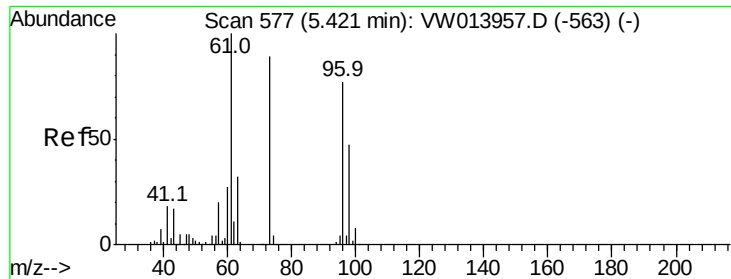
Tgt Ion: 43 Resp: 5798
Ion Ratio Lower Upper
43 100
74 21.9 19.3 28.9



#16
Methylene chloride
Concen: 1.763 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

Tgt Ion: 84 Resp: 11307
Ion Ratio Lower Upper
84 100
49 97.8 84.2 156.4
86 53.9 43.7 81.1

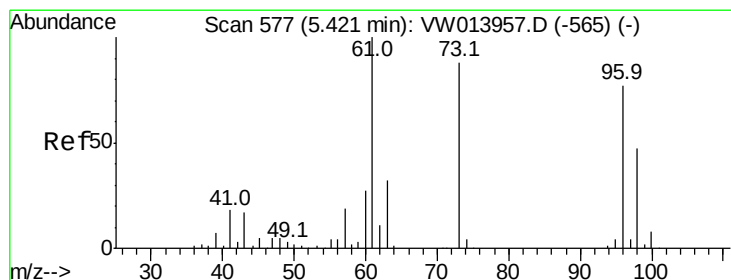
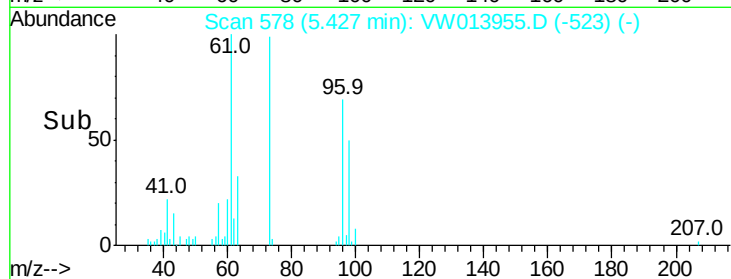
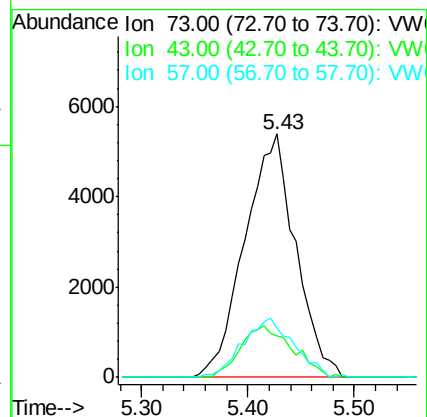
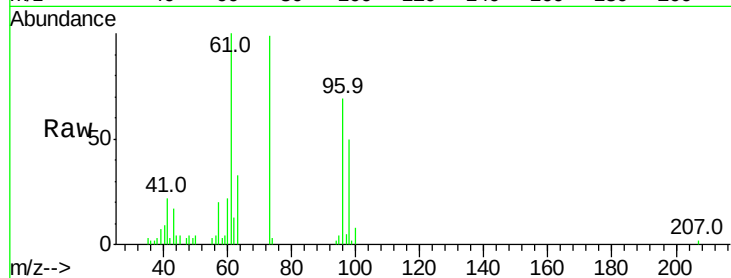




#17
Methyl tert-butyl Ether
Concen: 2.393 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

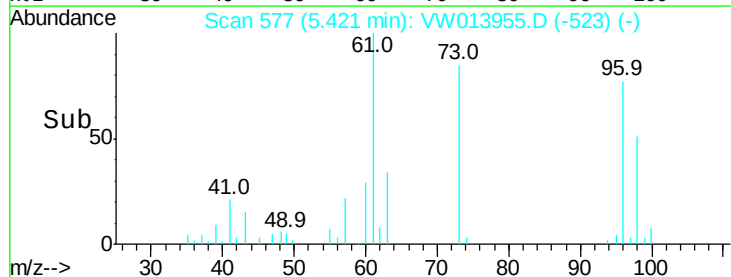
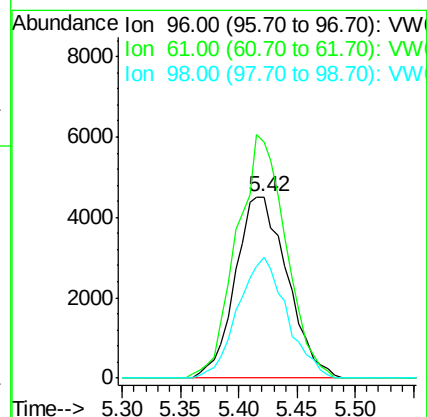
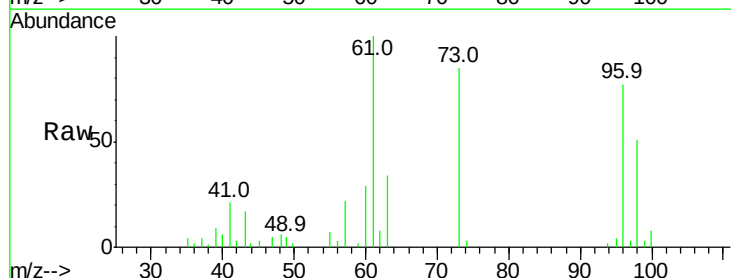
Instrument :
MSVOA_W
ClientSampled :
VSTD2.506

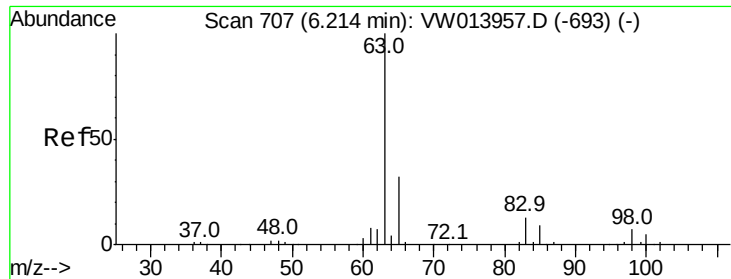
Tgt Ion: 73 Resp: 17922
Ion Ratio Lower Upper
73 100
43 18.9 15.5 23.3
57 24.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 2.271 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

Tgt Ion: 96 Resp: 14012
Ion Ratio Lower Upper
96 100
61 129.9 90.6 168.2
98 66.4 42.9 79.7





#19

1,1-Dichloroethane

Concen: 2.238 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

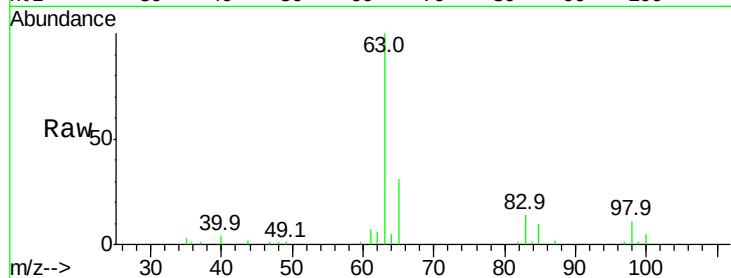
Tgt Ion: 63 Resp: 23441

Ion Ratio Lower Upper

63 100

65 30.5 22.1 41.1

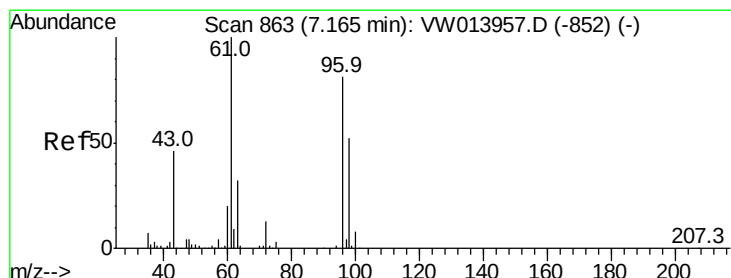
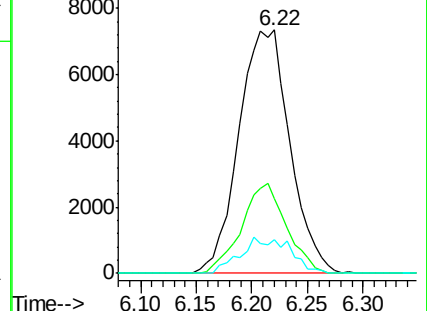
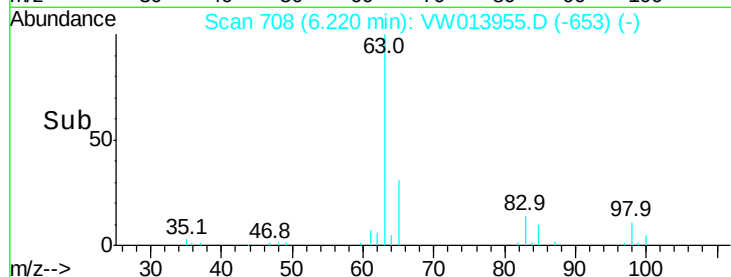
83 13.9 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#22

cis-1,2-Dichloroethene

Concen: 2.203 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

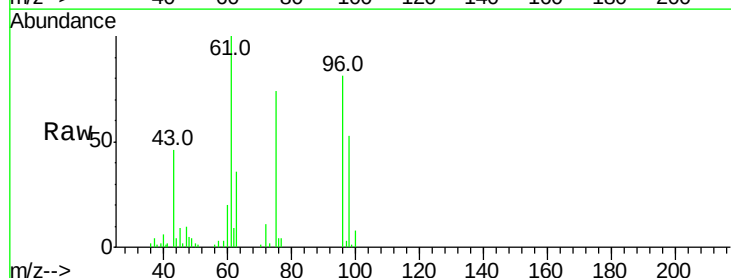
Tgt Ion: 96 Resp: 14296

Ion Ratio Lower Upper

96 100

61 123.7 86.9 161.5

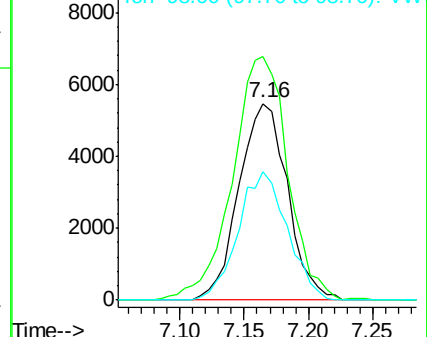
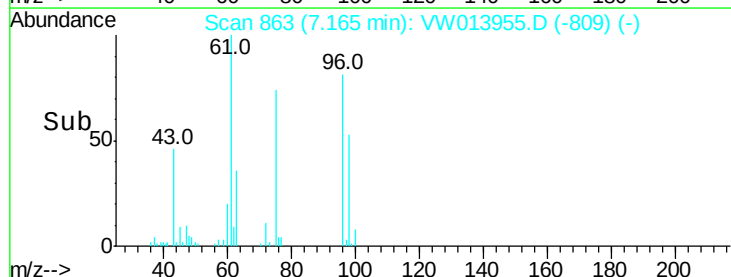
98 64.9 45.5 84.5

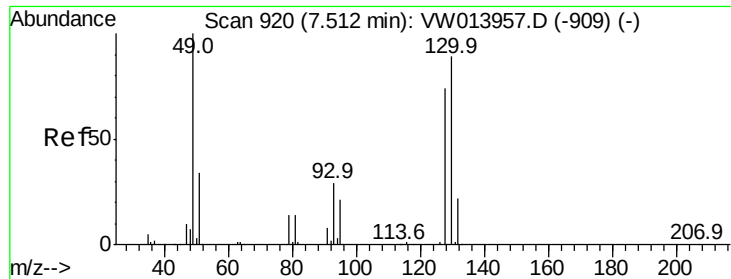


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 2.094 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion:128 Resp: 6389

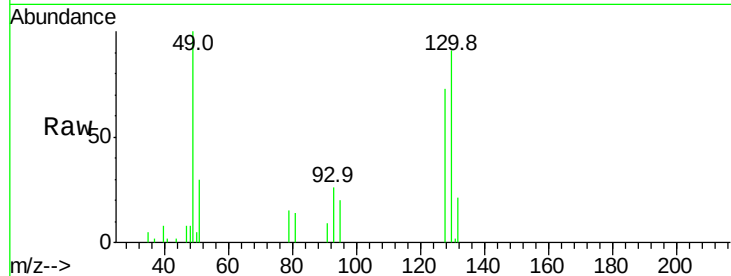
Ion Ratio Lower Upper

128 100

49 137.6 95.1 176.5

130 125.6 85.0 158.0

51 40.9 36.7 55.1

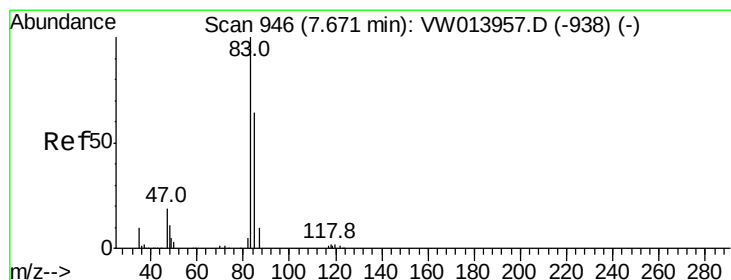
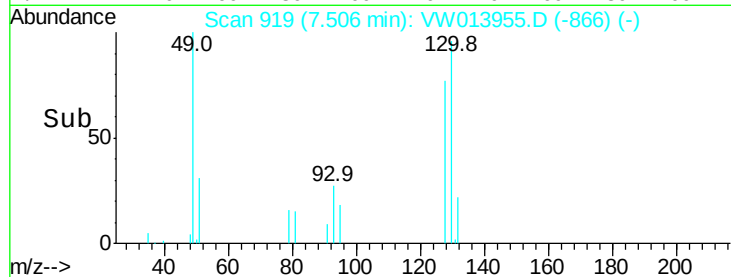
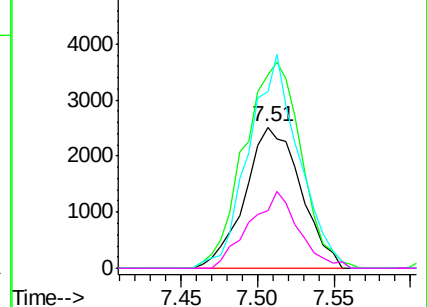


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV



#25

Chloroform

Concen: 2.234 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013955.D

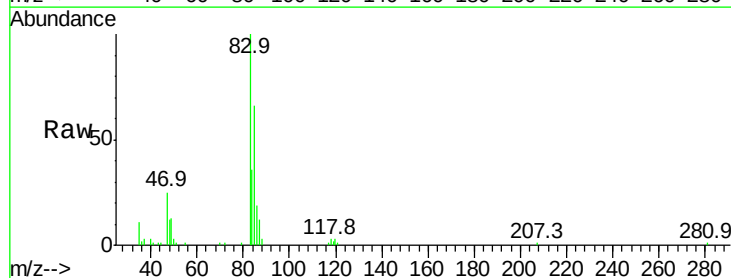
Acq: 11 Nov 2019 10:52

Tgt Ion: 83 Resp: 23531

Ion Ratio Lower Upper

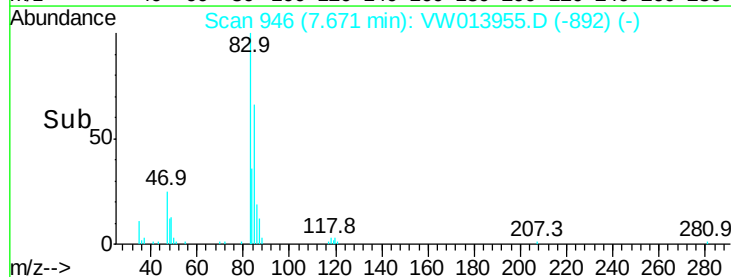
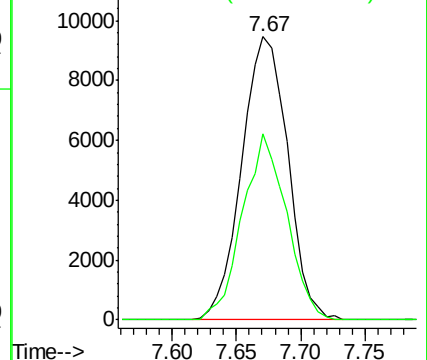
83 100

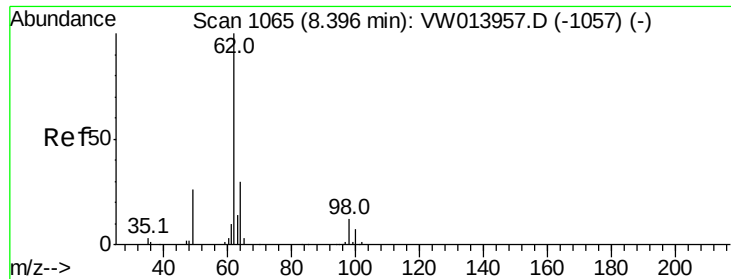
85 62.7 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

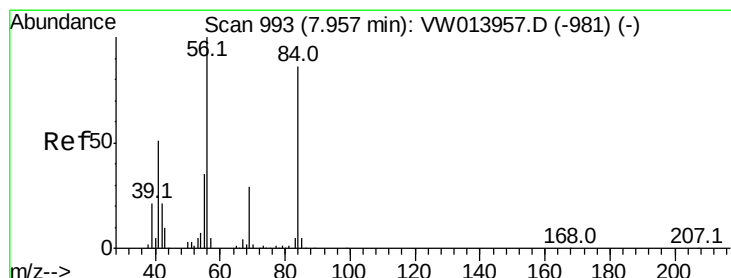
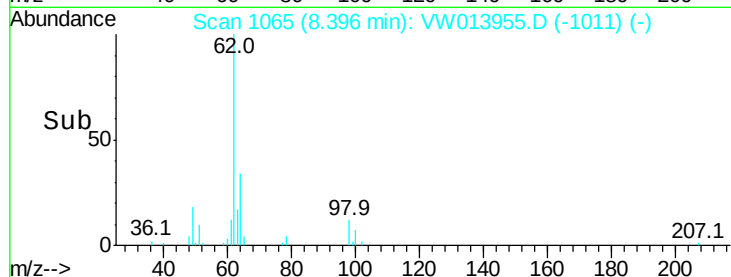
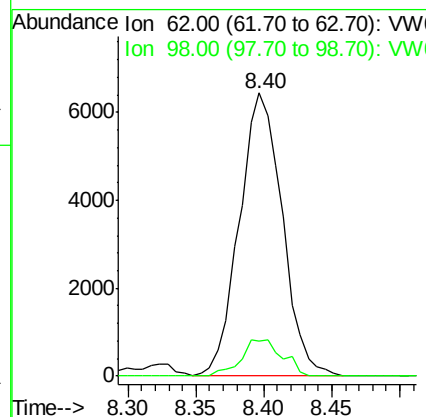
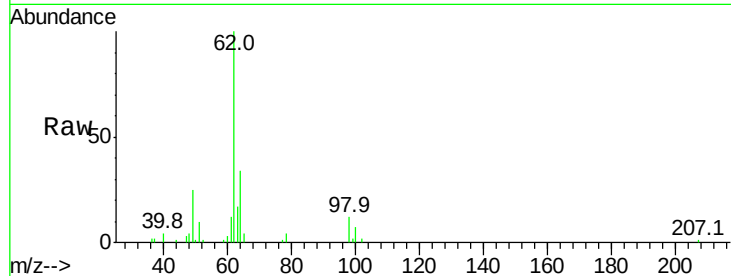




#27
 1,2-Dichloroethane
 Concen: 2.040 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

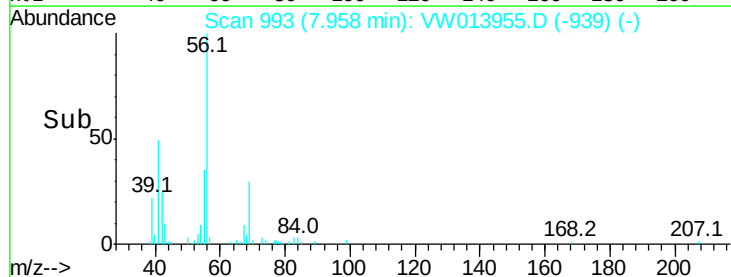
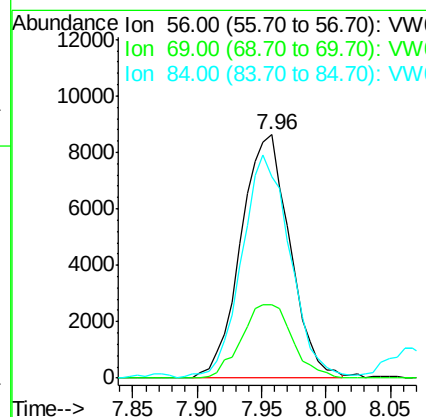
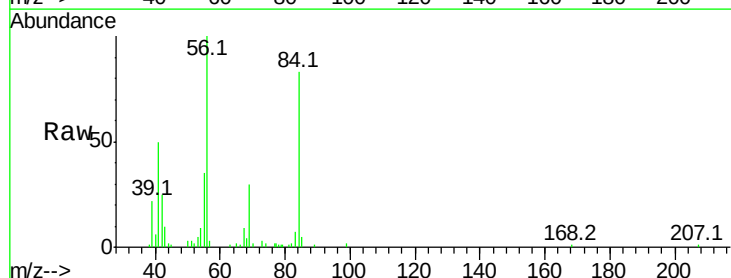
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

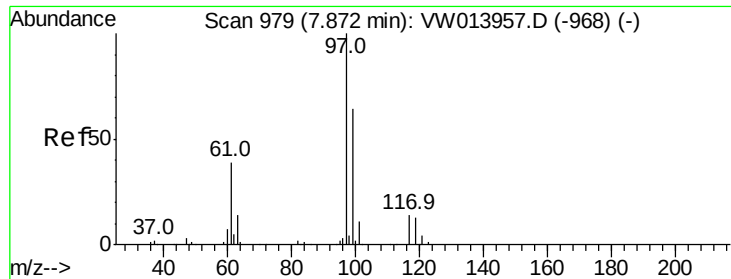
Tgt Ion: 62 Resp: 14214
 Ion Ratio Lower Upper
 62 100
 98 12.2 9.3 13.9



#30
 Cyclohexane
 Concen: 2.346 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Tgt Ion: 56 Resp: 22750
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.6 37.0
 84 90.8 70.2 105.2

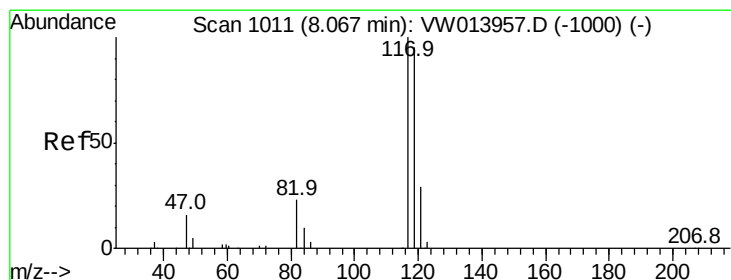
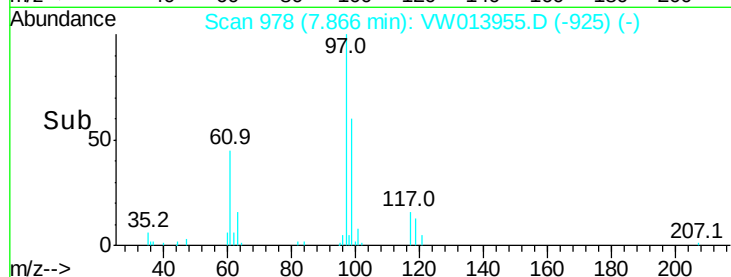
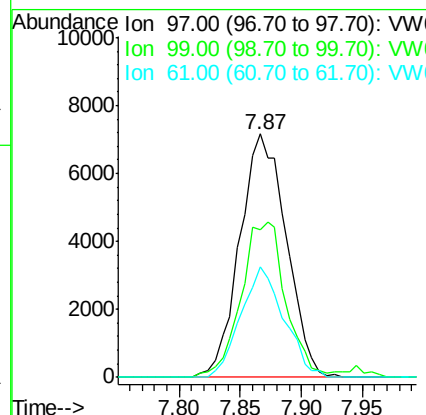
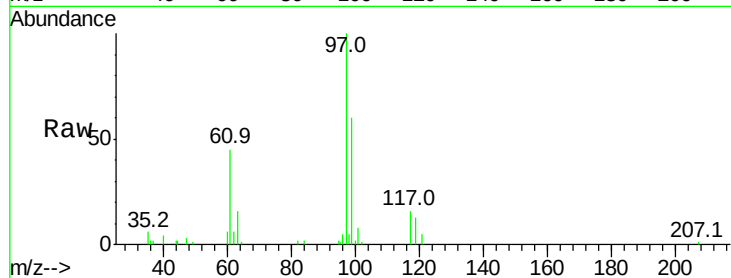




#31
 1,1,1-Trichloroethane
 Concen: 2.407 ug/L
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

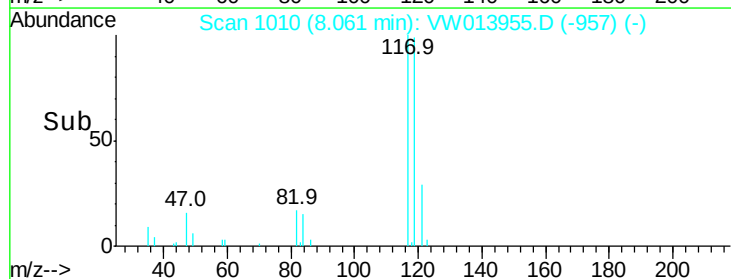
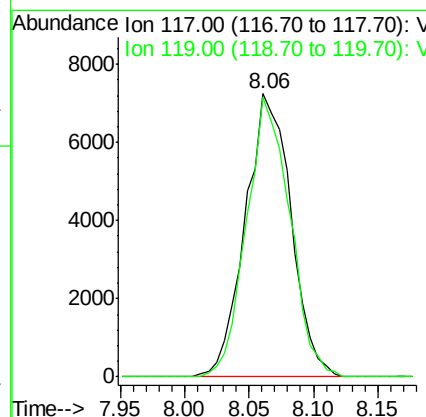
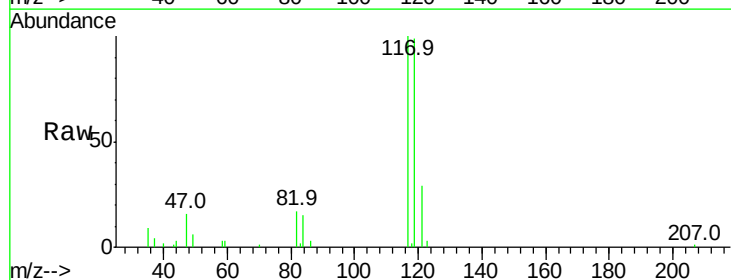
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

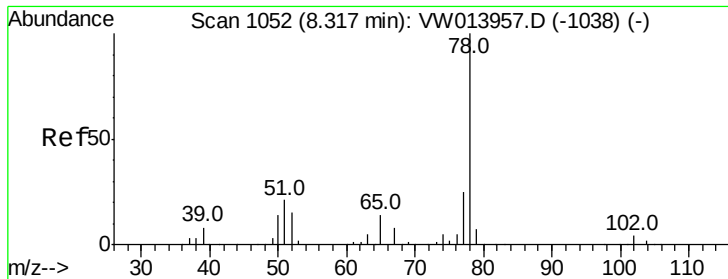
Tgt Ion: 97 Resp: 18938
 Ion Ratio Lower Upper
 97 100
 99 30.4 51.1 76.7#
 61 42.0 32.8 49.2



#32
 Carbon tetrachloride
 Concen: 2.317 ug/L
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Tgt Ion: 117 Resp: 17825
 Ion Ratio Lower Upper
 117 100
 119 93.6 76.7 115.1





#34

Benzene

Concen: 2.335 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

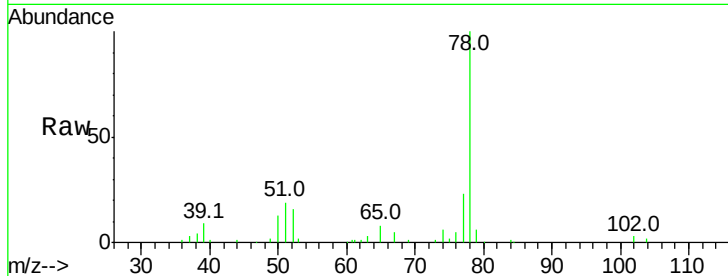
Instrument :

MSVOA_W

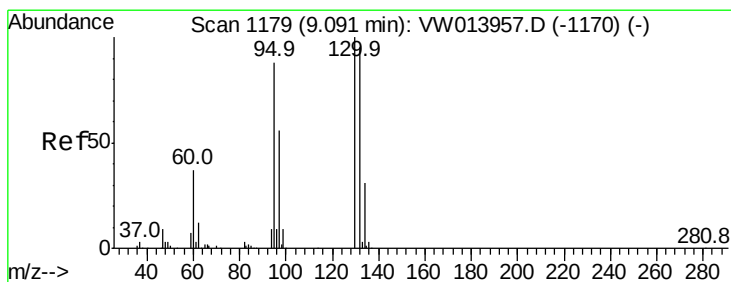
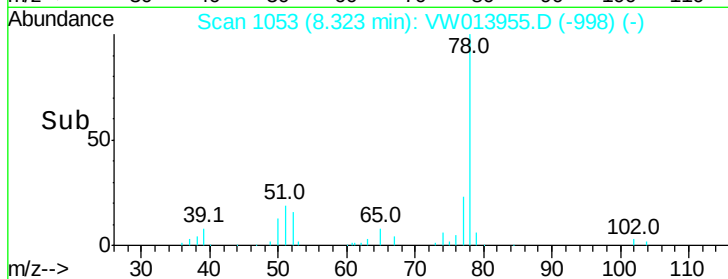
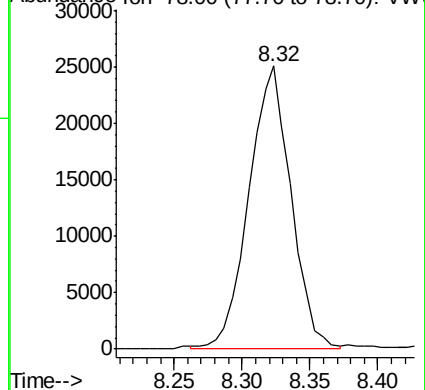
ClientSampleId :

VSTD2.506

Tgt Ion: 78 Resp: 54464



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.428 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Tgt Ion: 95 Resp: 14932

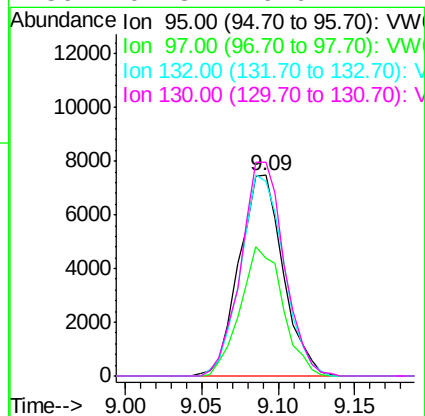
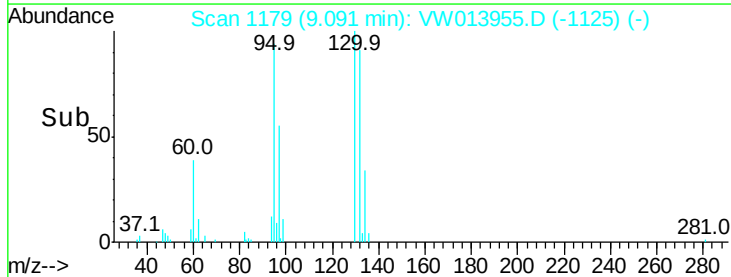
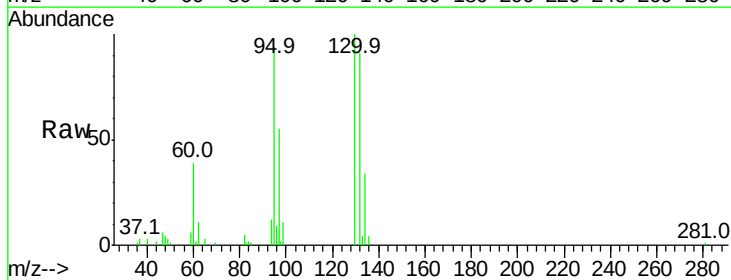
Ion	Ratio	Lower	Upper
95	100		
97	62.1	45.1	83.9
132	98.6	73.7	136.9
130	104.8	76.6	142.2

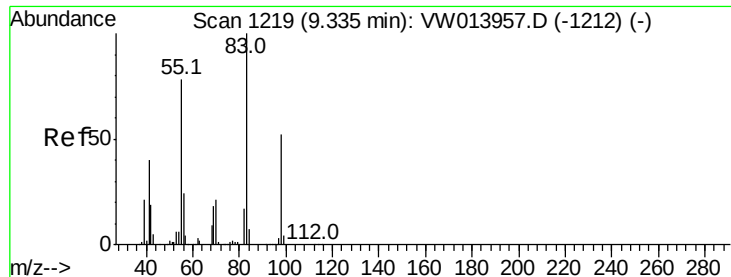
Abundance Ion 95.00 (94.70 to 95.70): VW

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

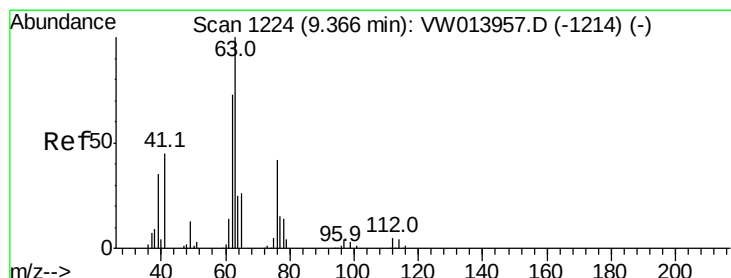
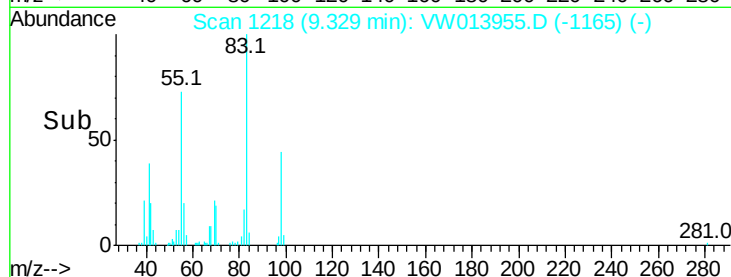
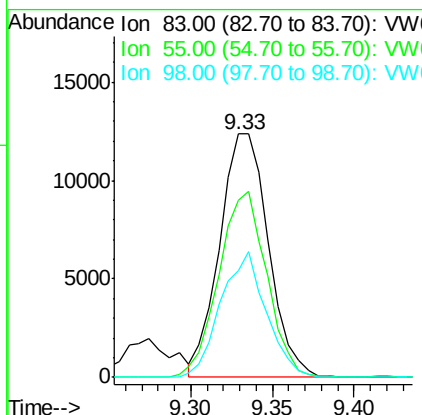
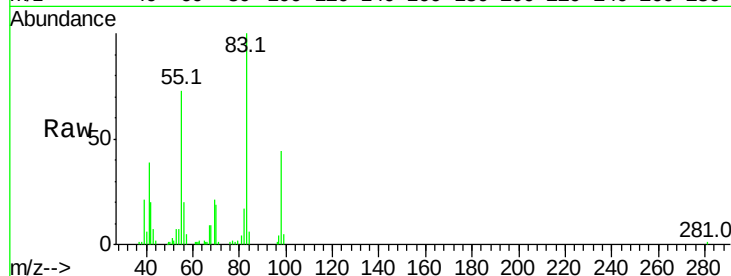




#36
Methylcyclohexane
Concen: 2.388 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

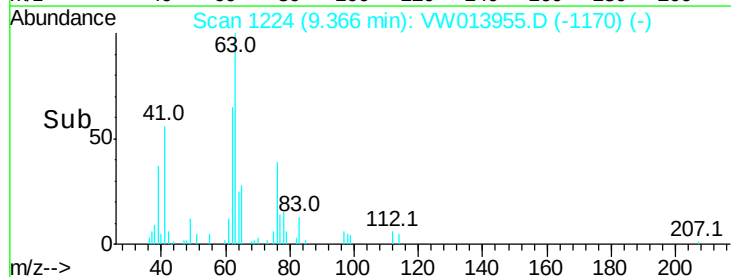
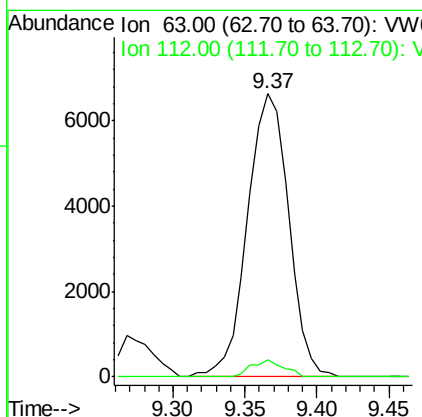
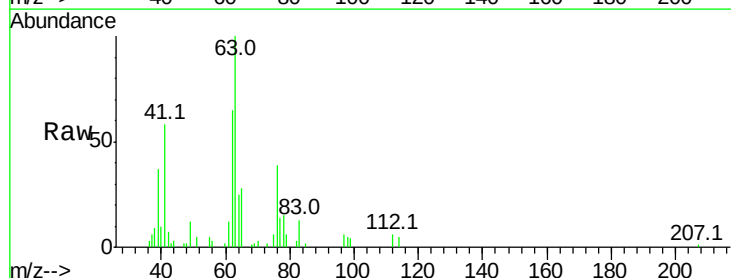
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

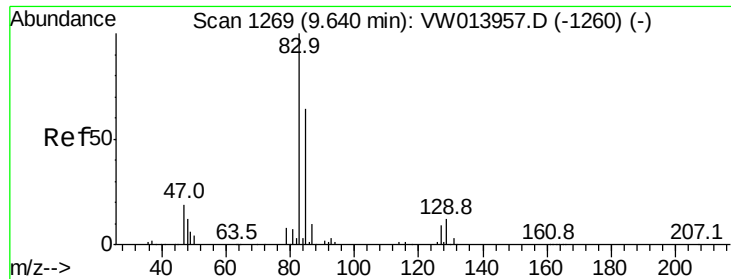
Tgt Ion: 83 Resp: 25770
Ion Ratio Lower Upper
83 100
55 74.9 59.8 89.8
98 48.0 39.5 59.3



#40
1,2-Dichloropropane
Concen: 2.301 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

Tgt Ion: 63 Resp: 13177
Ion Ratio Lower Upper
63 100
112 4.7 3.9 5.9

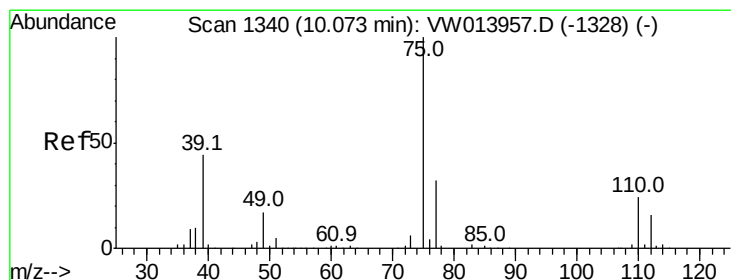
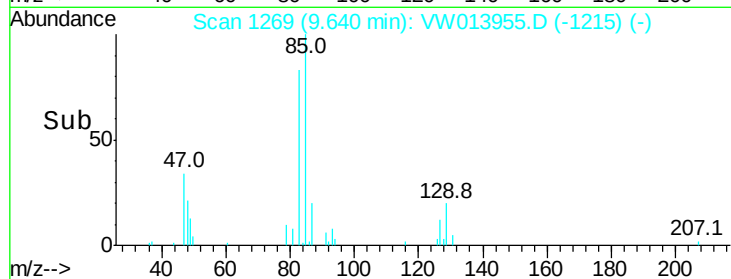
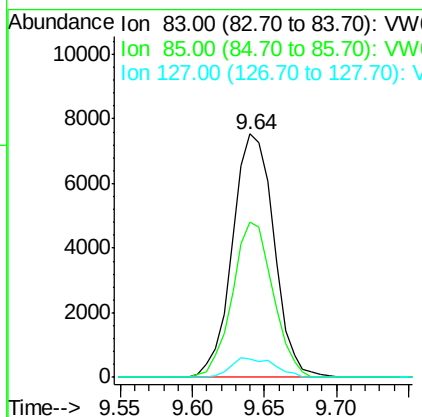
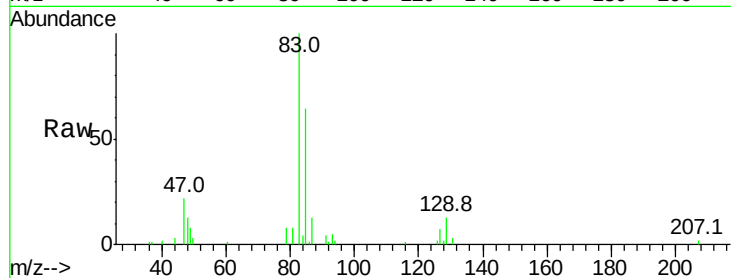




#41
 Bromodichloromethane
 Concen: 2.102 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

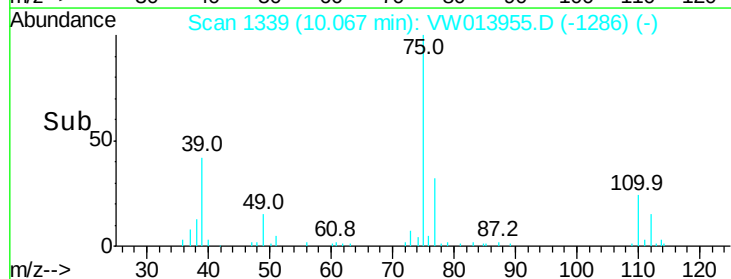
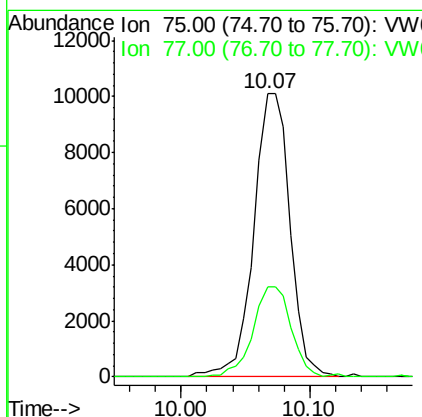
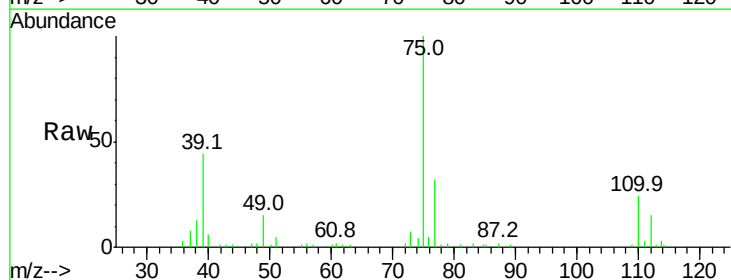
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

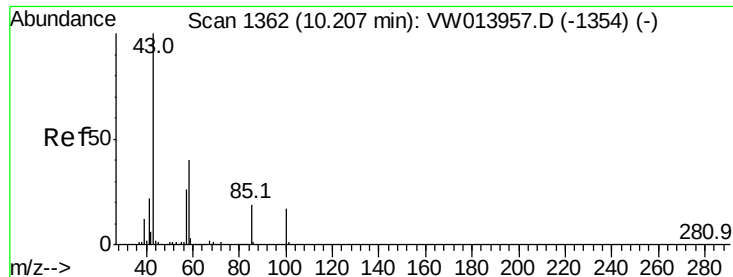
Tgt Ion: 83 Resp: 15128
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.7
 127 7.5 7.4 11.0



#42
 cis-1,3-Dichloropropene
 Concen: 2.168 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Tgt Ion: 75 Resp: 19566
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1

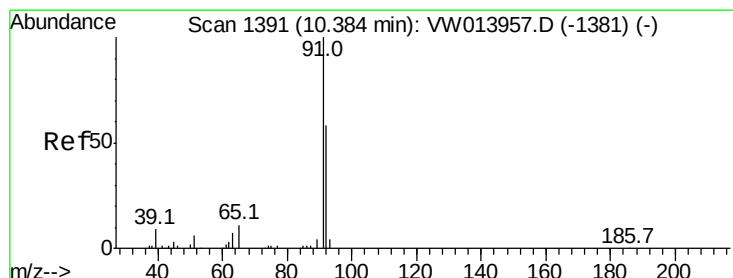
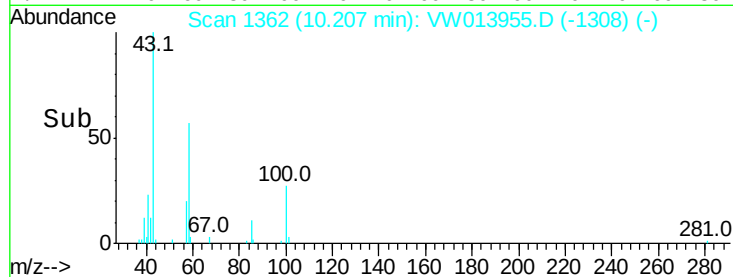
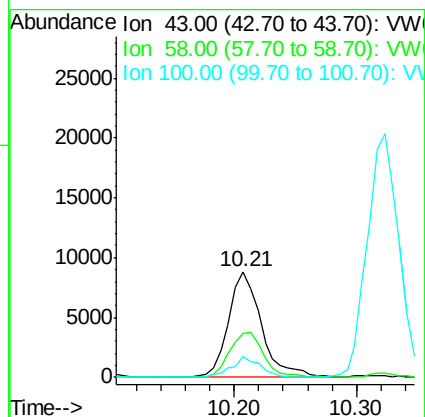
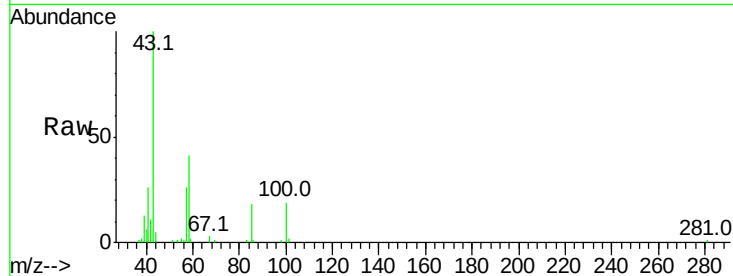




#43
 4-Methyl-2-pentanone
 Concen: 3.750 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

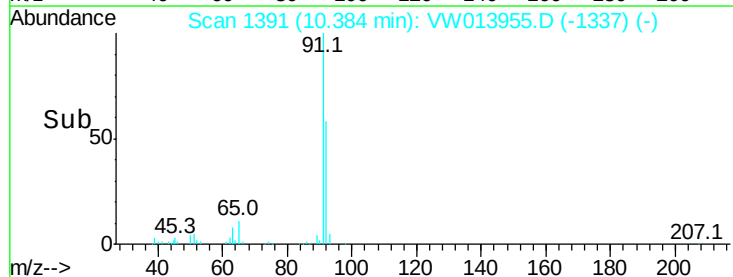
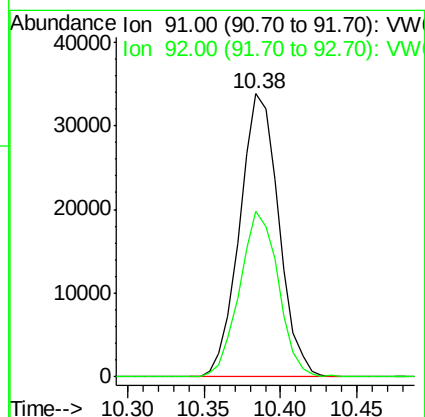
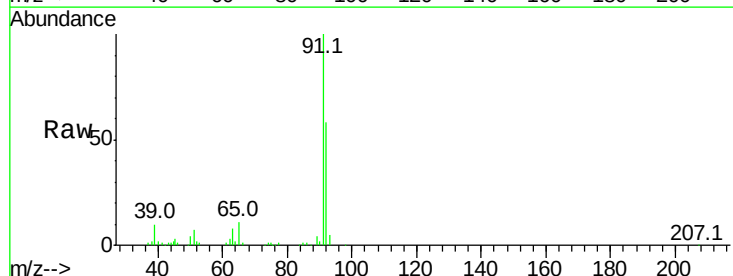
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

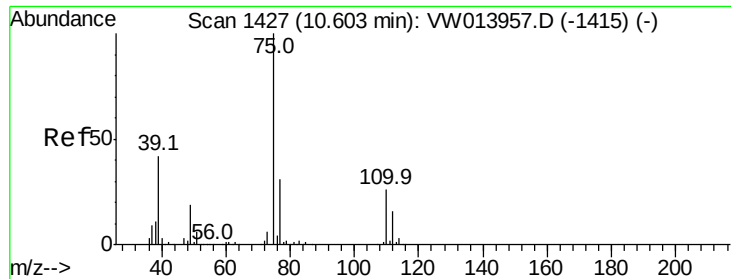
Tgt Ion: 43 Resp: 16514
 Ion Ratio Lower Upper
 43 100
 58 43.8 32.6 49.0
 100 16.8 13.8 20.8



#44
 Toluene
 Concen: 2.392 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Tgt Ion: 91 Resp: 59953
 Ion Ratio Lower Upper
 91 100
 92 58.4 40.7 75.7





#45

trans-1,3-Dichloropropene

Concen: 2.101 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

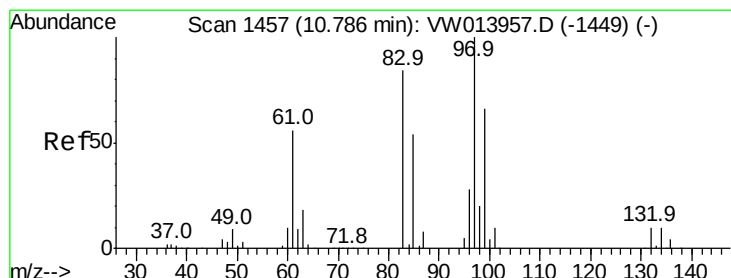
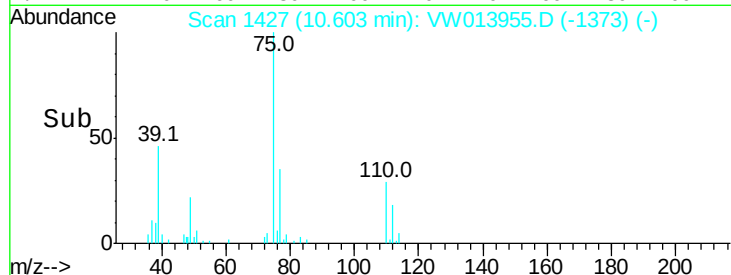
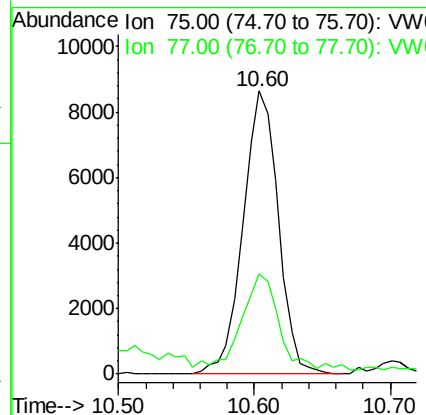
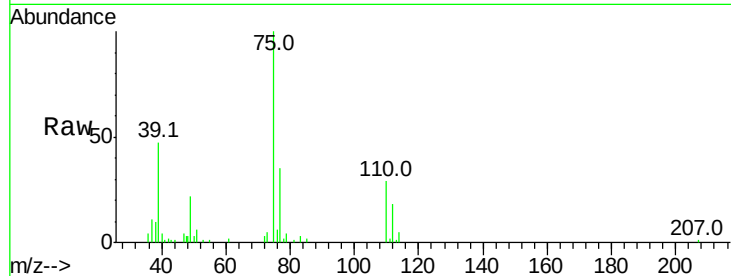
VSTD2.506

Tgt Ion: 75 Resp: 15666

Ion Ratio Lower Upper

75 100

77 35.2 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 2.161 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Tgt Ion: 97 Resp: 9881

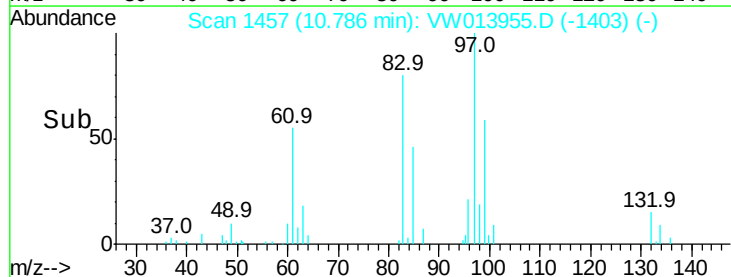
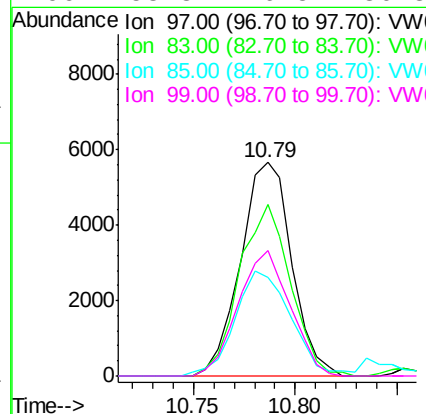
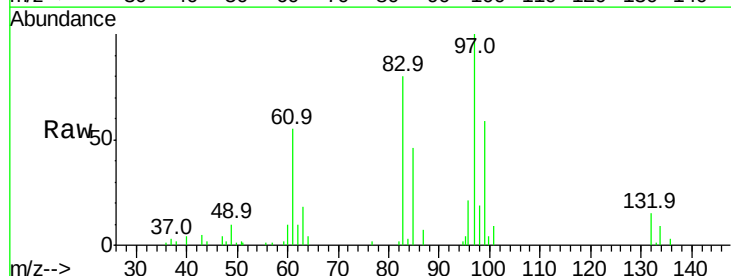
Ion Ratio Lower Upper

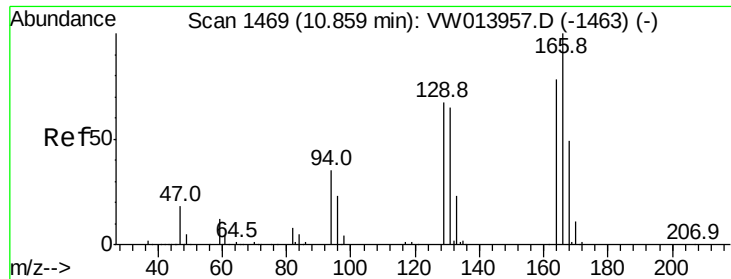
97 100

83 80.5 58.9 109.5

85 46.2 38.1 70.9

99 58.8 46.5 86.3





#47

Tetrachloroethene

Concen: 2.286 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion:164 Resp: 12942

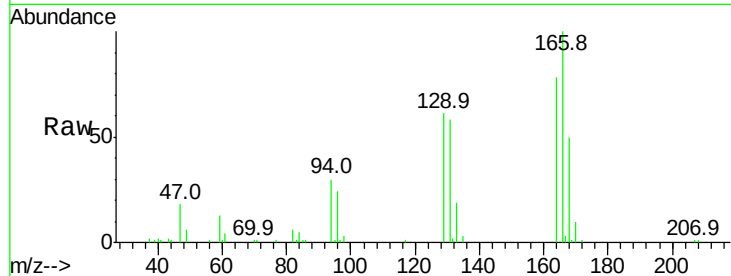
Ion Ratio Lower Upper

164 100

129 77.4 60.6 112.6

131 73.9 59.1 109.7

166 127.8 90.8 168.6

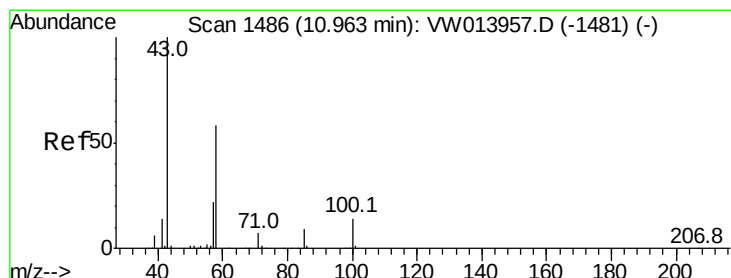
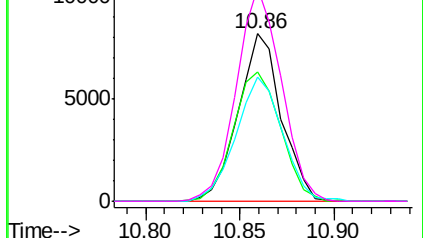
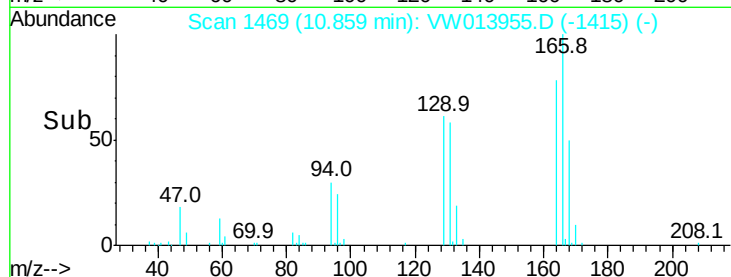


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.505 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Tgt Ion: 43 Resp: 11338

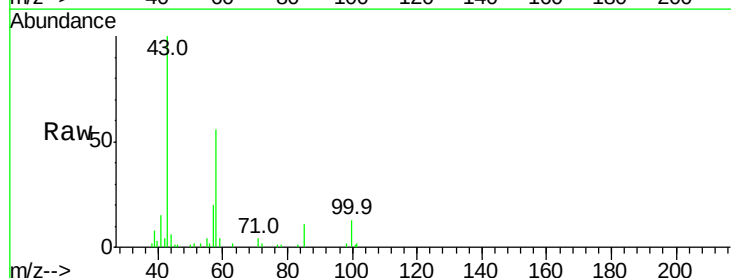
Ion Ratio Lower Upper

43 100

58 57.6 44.4 66.6

57 22.5 16.5 24.7

100 16.0 11.1 16.7

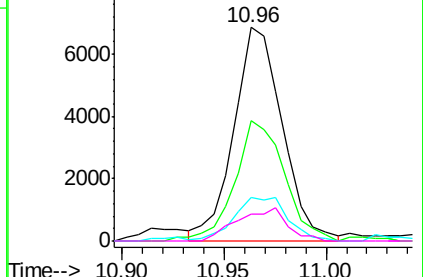
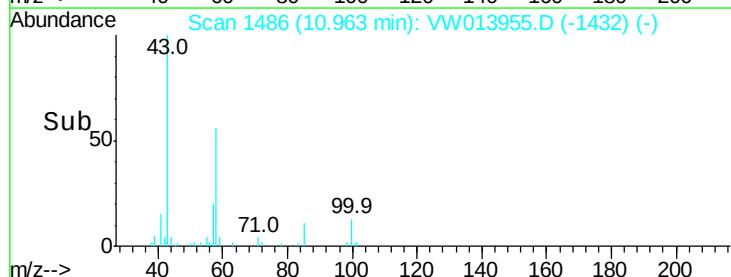


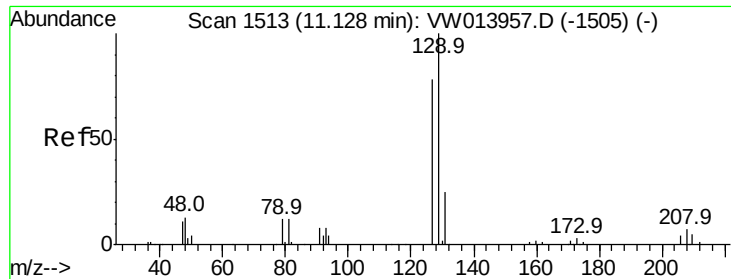
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 1.938 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

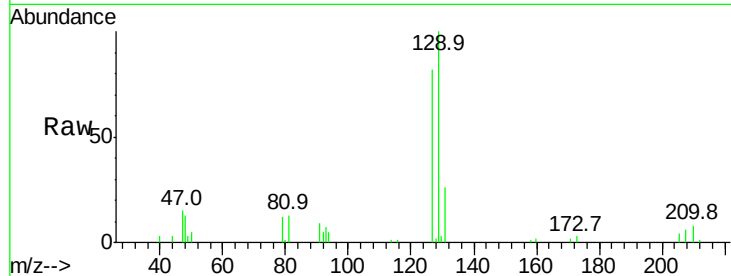
VSTD2.506

Tgt Ion:129 Resp: 10285

Ion Ratio Lower Upper

129 100

127 81.7 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

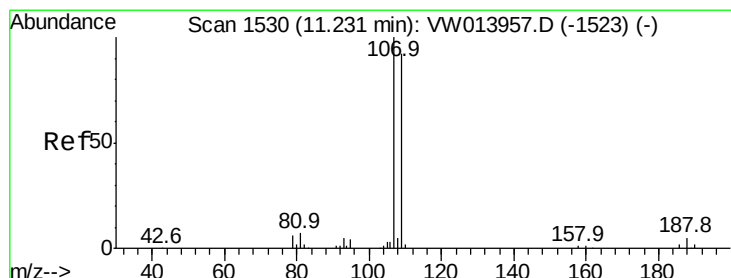
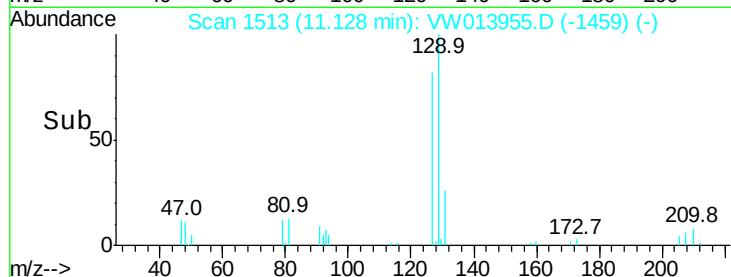
6000

4000

2000

0

Time--> 11.05 11.10 11.15



#51

1,2-Dibromoethane

Concen: 2.070 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

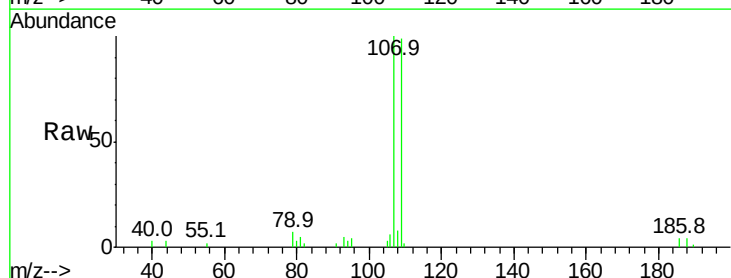
Tgt Ion:107 Resp: 9355

Ion Ratio Lower Upper

107 100

109 98.7 64.6 120.0

188 4.0 3.9 5.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.23

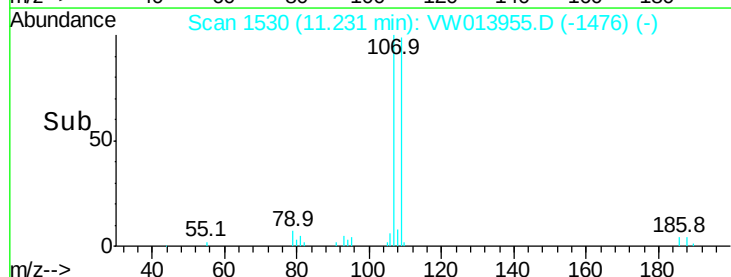
6000

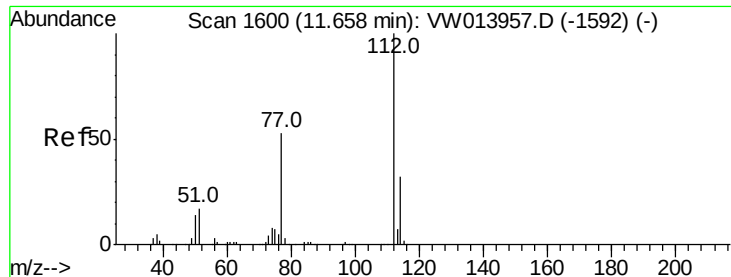
4000

2000

0

Time--> 11.20 11.25





#52

Chlorobenzene

Concen: 2.304 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

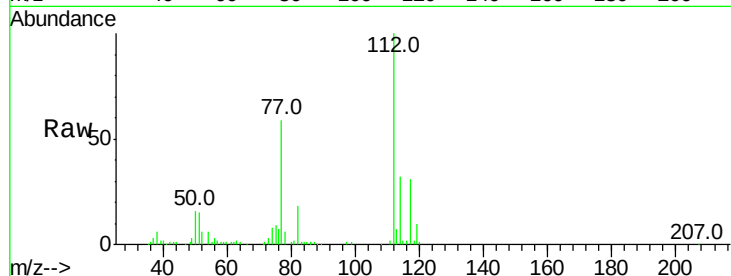
Tgt Ion: 112 Resp: 37239

Ion Ratio Lower Upper

112 100

77 59.1 42.2 63.4

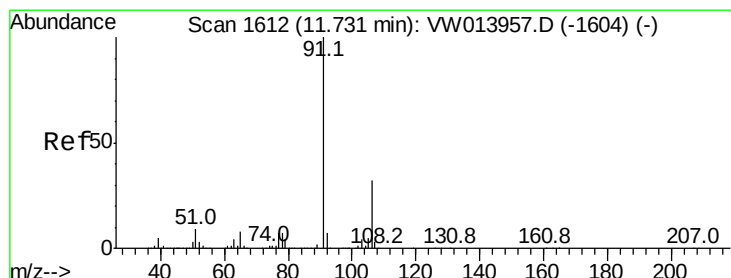
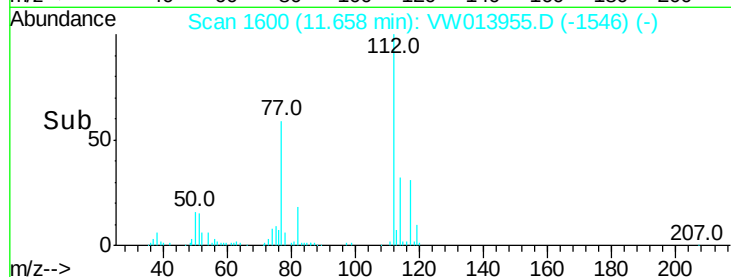
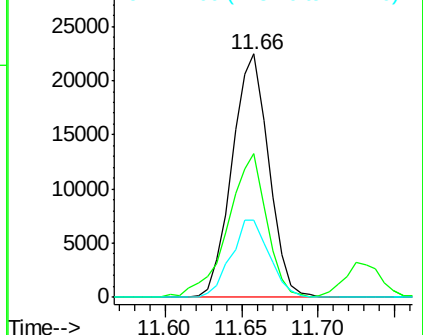
114 31.8 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 2.333 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013955.D

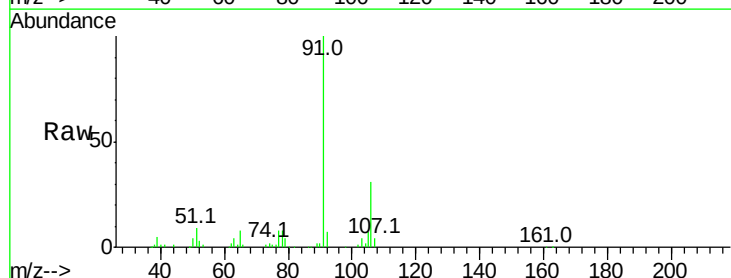
Acq: 11 Nov 2019 10:52

Tgt Ion: 91 Resp: 65104

Ion Ratio Lower Upper

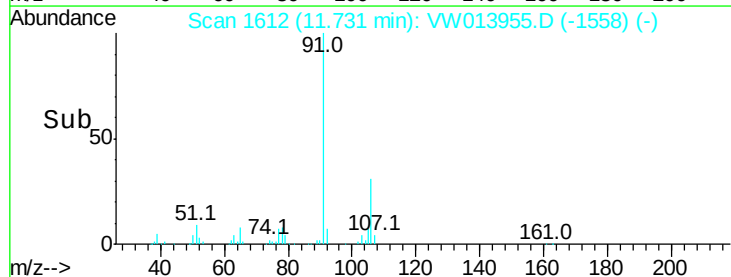
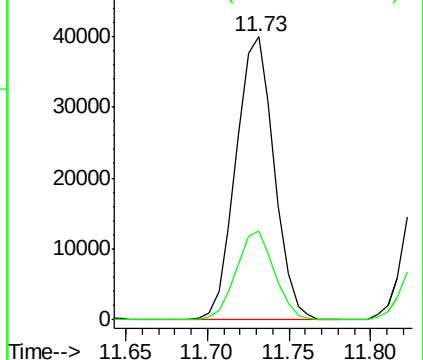
91 100

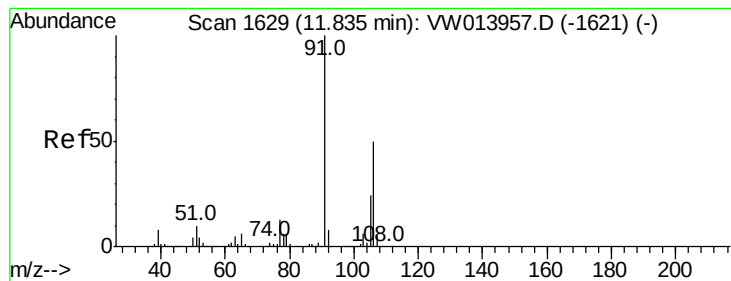
106 31.2 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 2.384 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

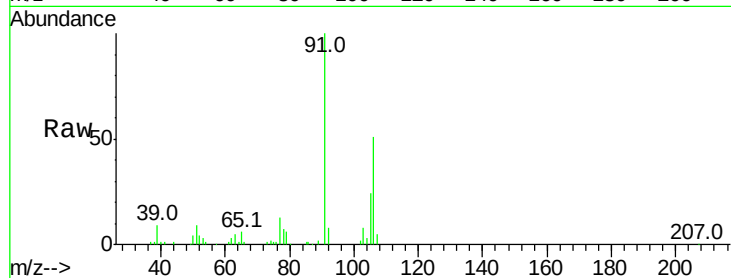
VSTD2.506

Tgt Ion:106 Resp: 25632

Ion Ratio Lower Upper

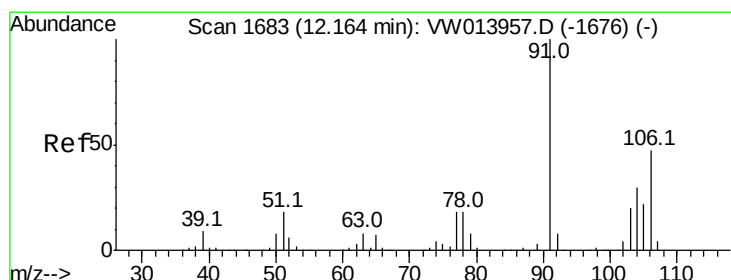
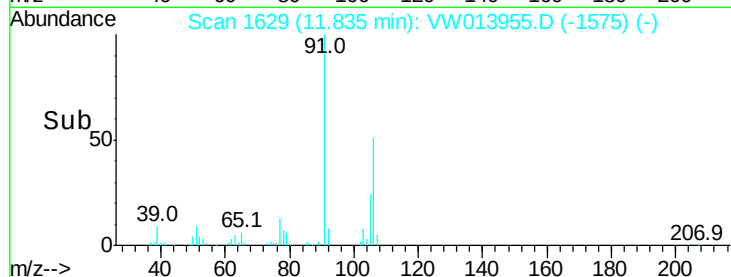
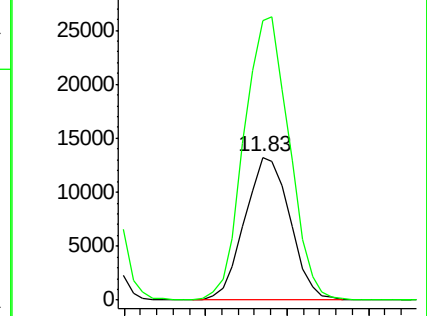
106 100

91 195.3 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.255 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013955.D

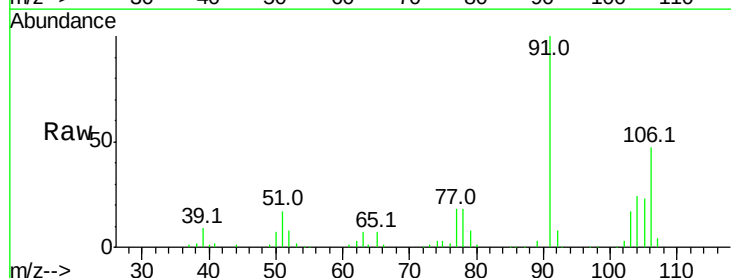
Acq: 11 Nov 2019 10:52

Tgt Ion:106 Resp: 22924

Ion Ratio Lower Upper

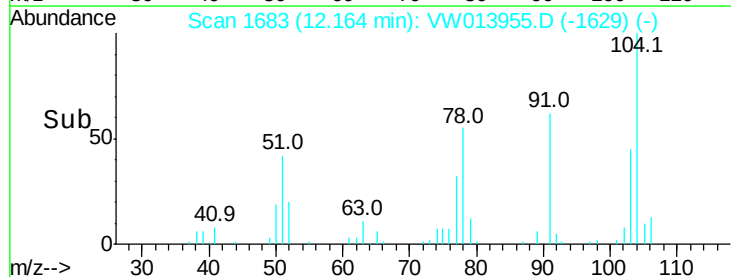
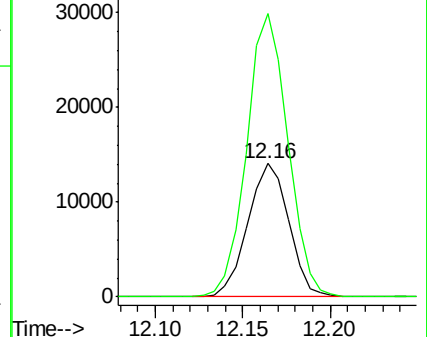
106 100

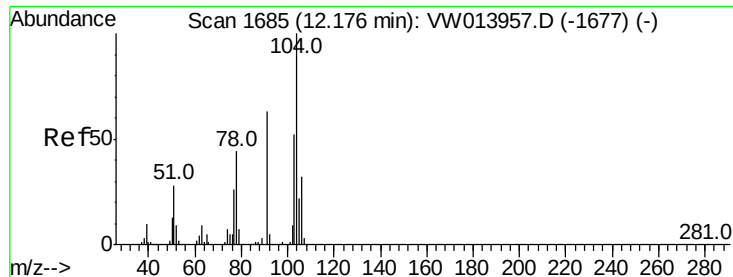
91 212.0 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.097 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

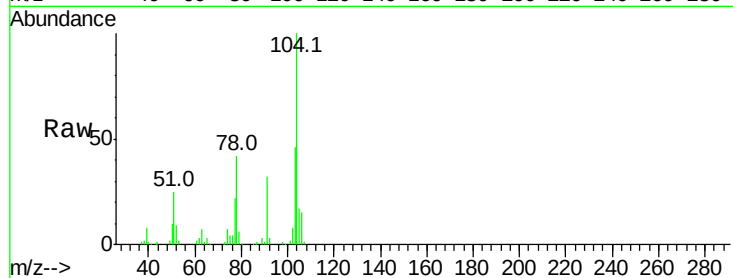
VSTD2.506

Tgt Ion:104 Resp: 36777

Ion Ratio Lower Upper

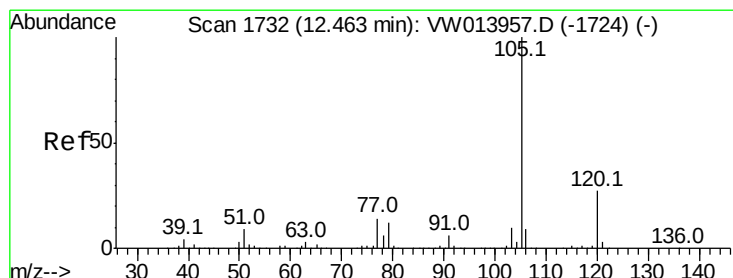
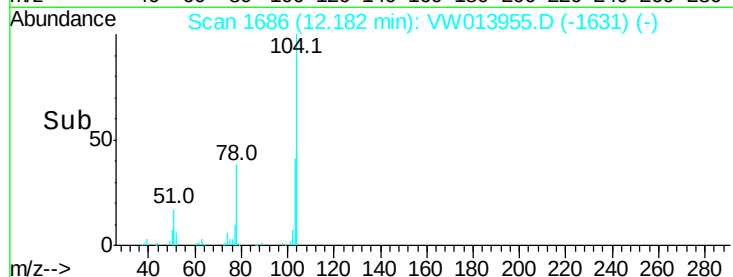
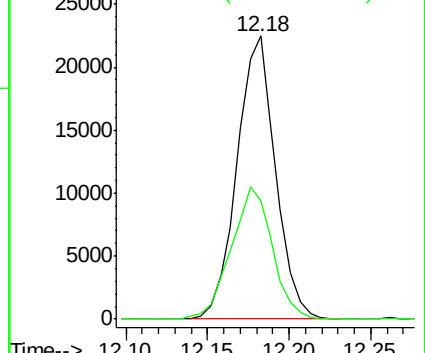
104 100

78 41.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 2.302 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

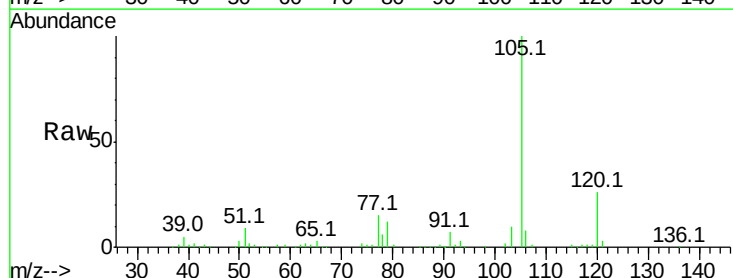
Tgt Ion:105 Resp: 63094

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

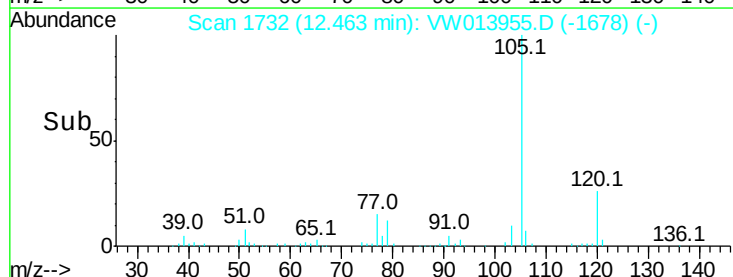
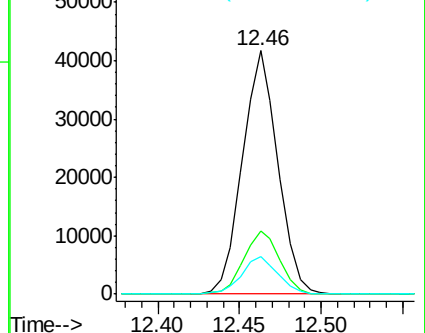
77 15.8 11.6 17.4

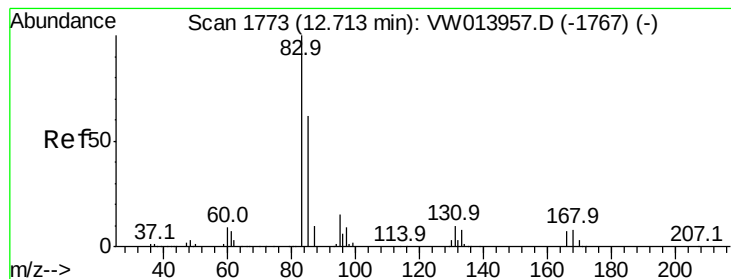


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.788 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

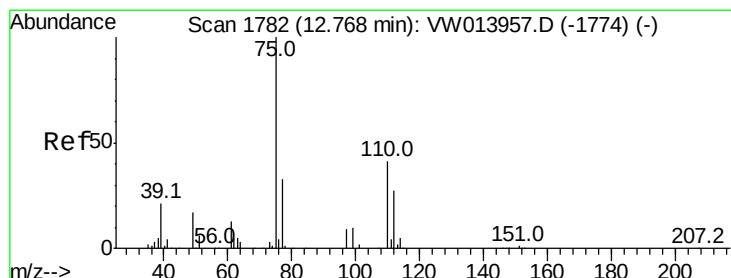
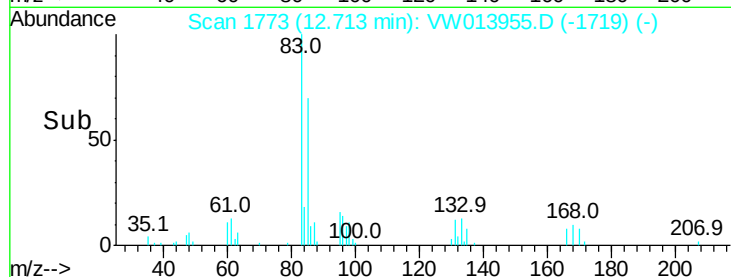
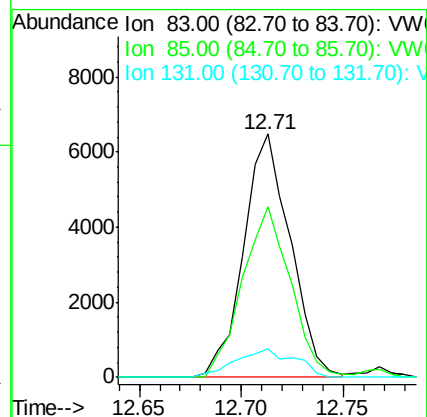
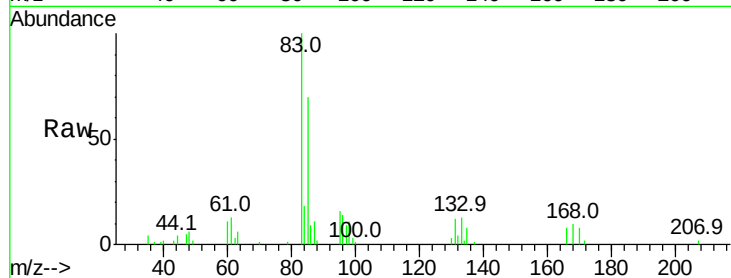
Tgt Ion: 83 Resp: 10293

Ion Ratio Lower Upper

83 100

85 69.9 43.7 81.1

131 11.9 8.2 12.2



#59

1,2,3-Trichloropropane

Concen: 1.941 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013955.D

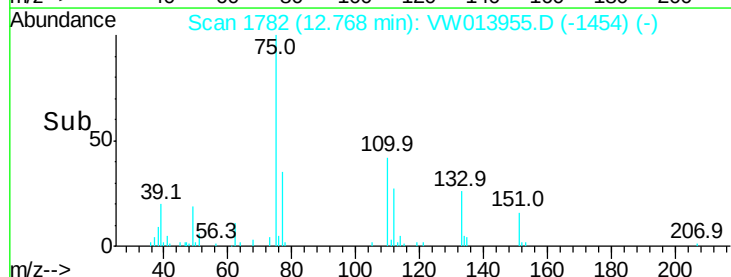
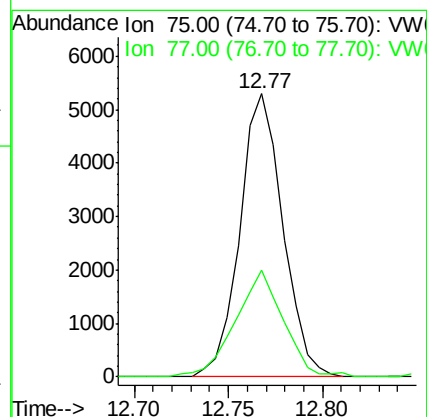
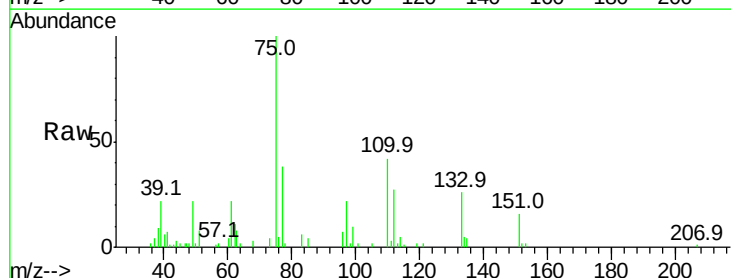
Acq: 11 Nov 2019 10:52

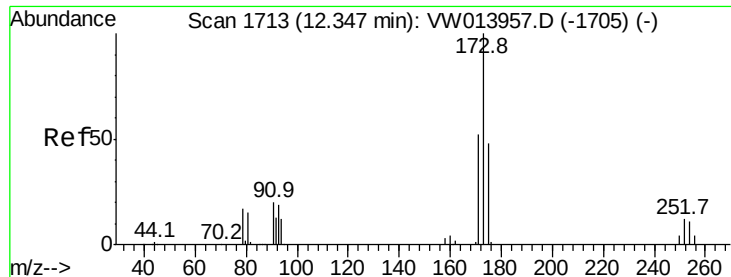
Tgt Ion: 75 Resp: 8393

Ion Ratio Lower Upper

75 100

77 41.7 25.9 38.9#





#62

Bromoform

Concen: 2.032 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

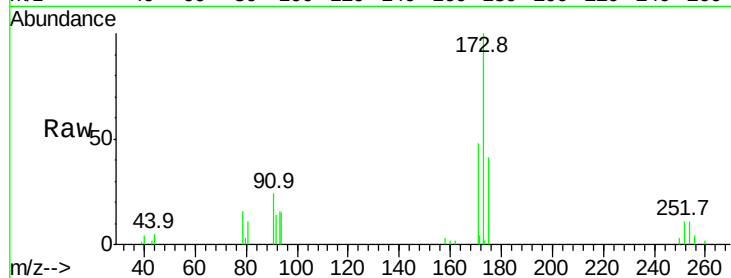
Tgt Ion:173 Resp: 6711

Ion Ratio Lower Upper

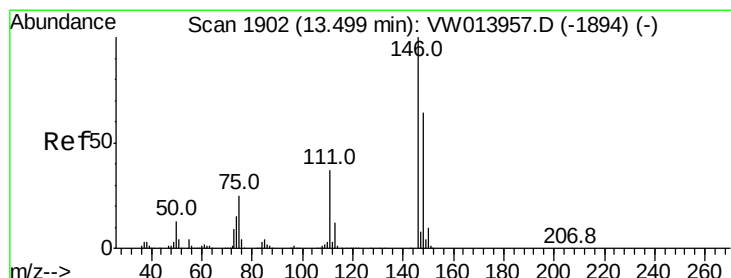
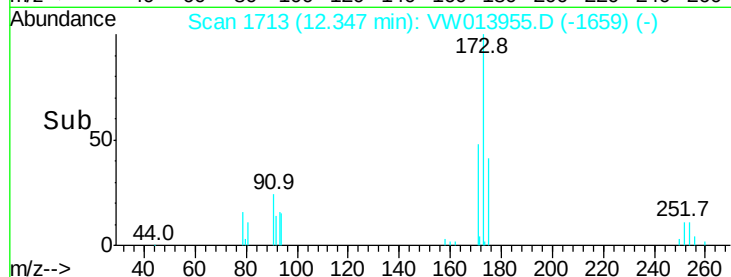
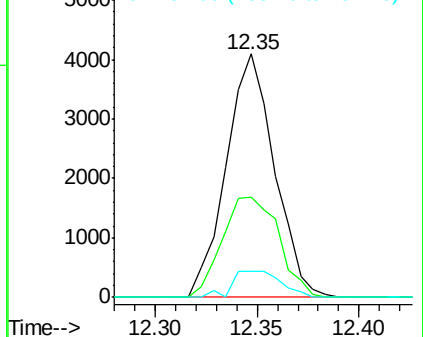
173 100

175 48.4 38.8 58.2

254 10.4 9.4 14.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.398 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013955.D

Acq: 11 Nov 2019 10:52

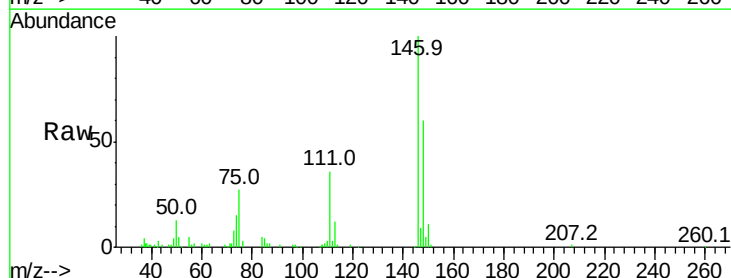
Tgt Ion:146 Resp: 30165

Ion Ratio Lower Upper

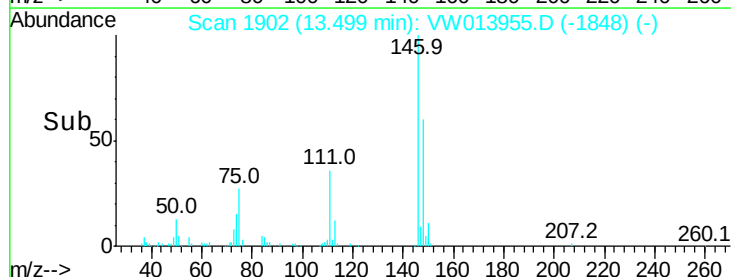
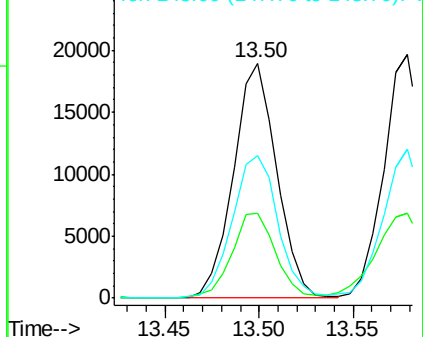
146 100

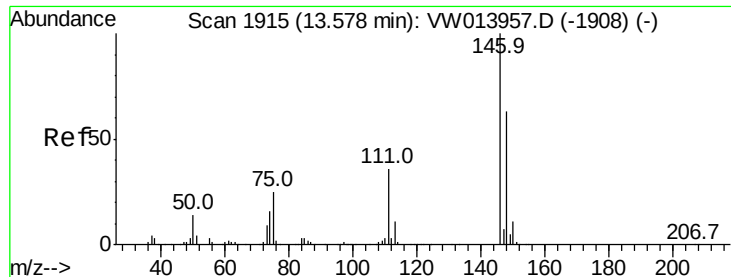
111 36.0 26.0 48.2

148 60.5 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

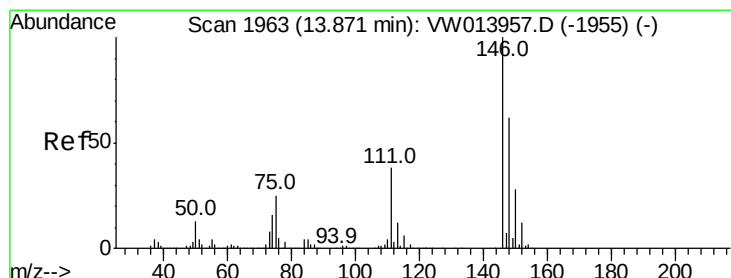
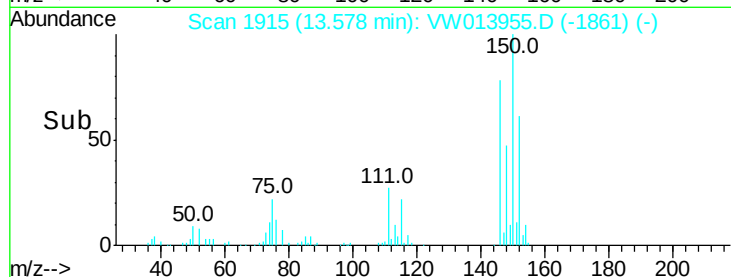
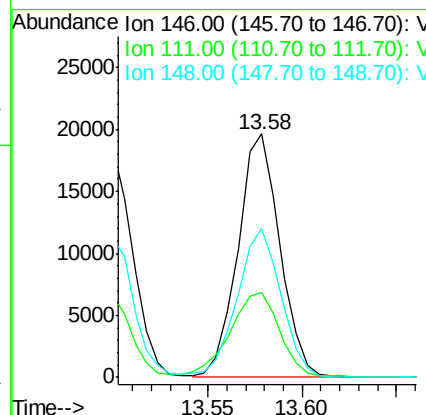
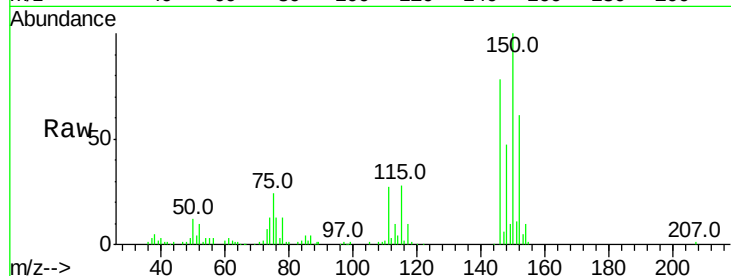




#64
 1,4-Dichlorobenzene
 Concen: 2.405 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

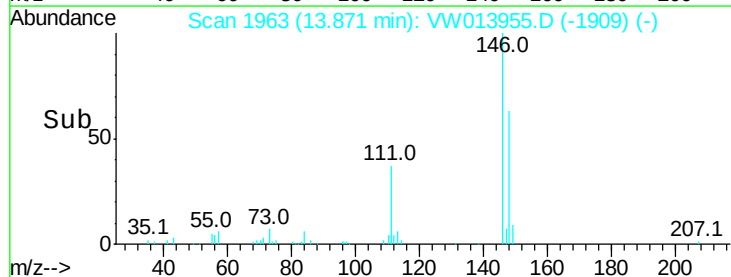
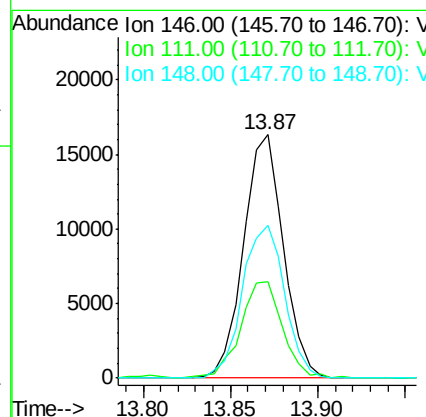
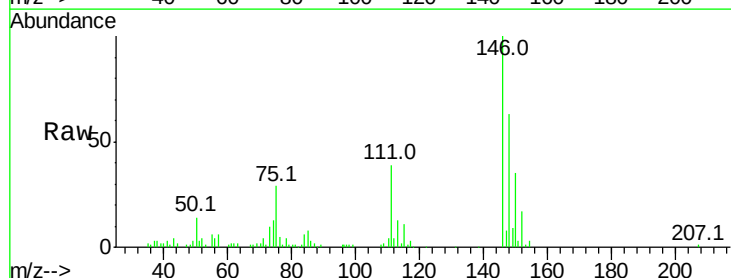
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

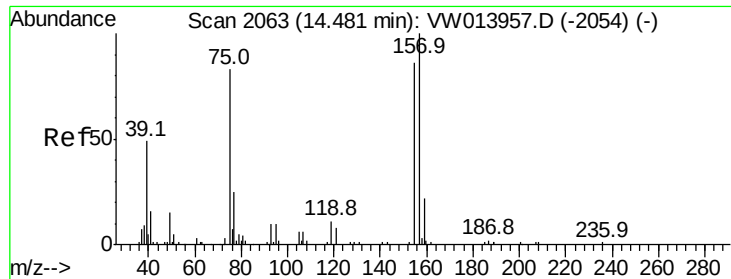
Tgt Ion:146 Resp: 30326
 Ion Ratio Lower Upper
 146 100
 111 34.7 24.9 46.3
 148 61.2 43.9 81.5



#65
 1,2-Dichlorobenzene
 Concen: 2.284 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Tgt Ion:146 Resp: 25977
 Ion Ratio Lower Upper
 146 100
 111 39.4 30.5 45.7
 148 62.9 49.4 74.2

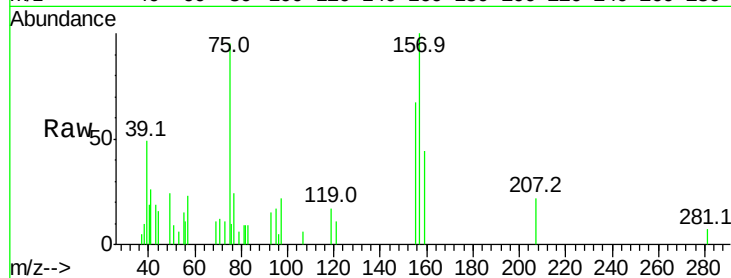




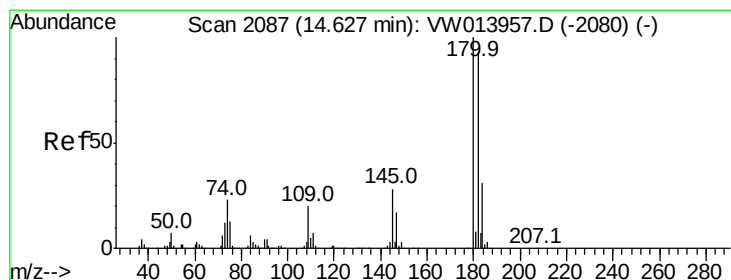
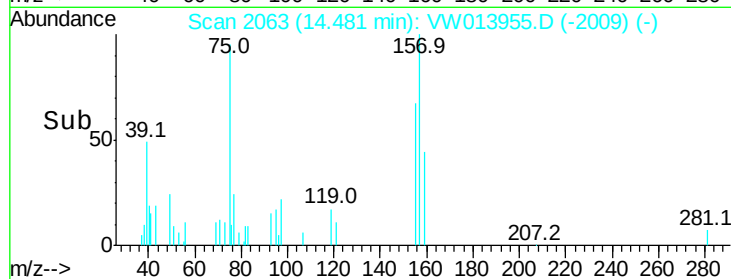
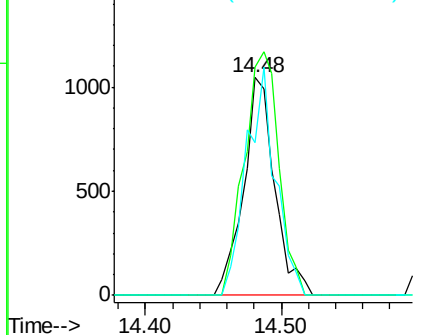
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.838 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Tgt Ion: 75 Resp: 1675
 Ion Ratio Lower Upper
 75 100
 157 104.8 96.9 145.3
 155 70.3 82.9 124.3#

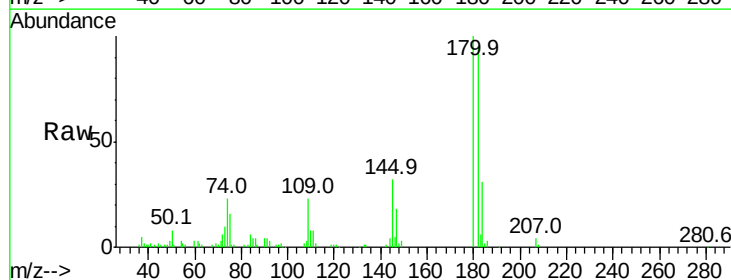


Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

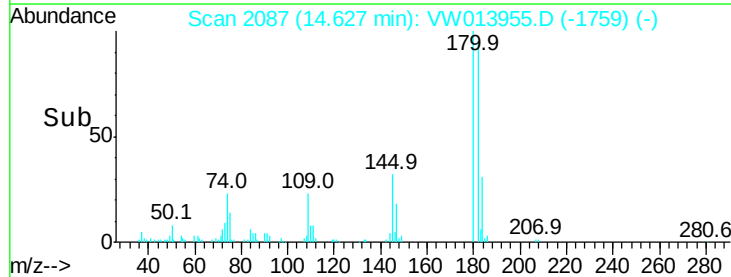
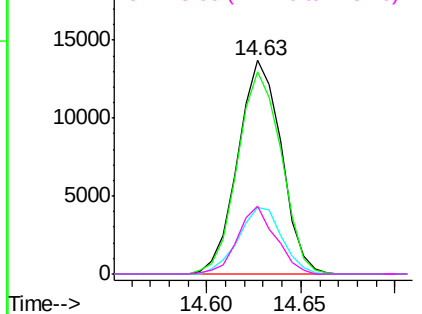


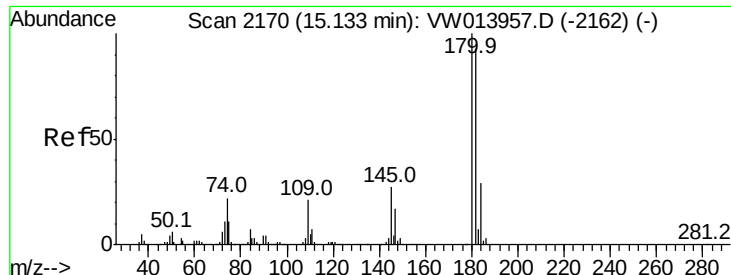
#67
 1,3,5-Trichlorobenzene
 Concen: 2.316 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Tgt Ion: 180 Resp: 21941
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.2
 184 31.3 24.3 36.5
 145 27.7 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

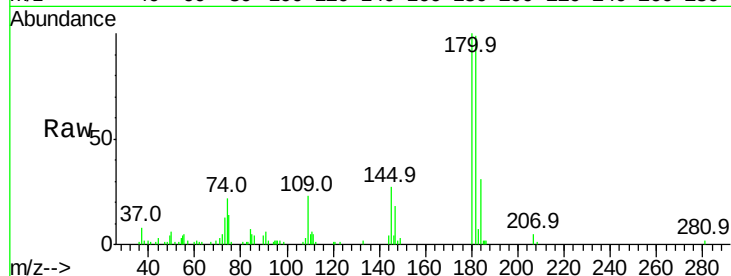




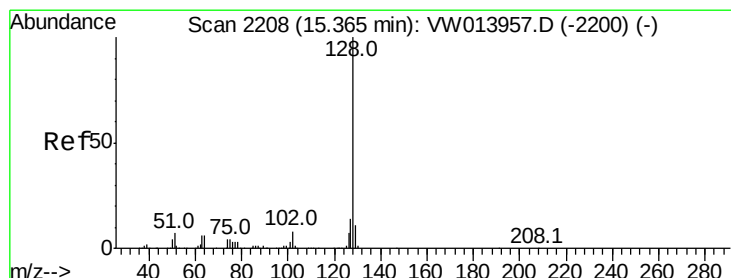
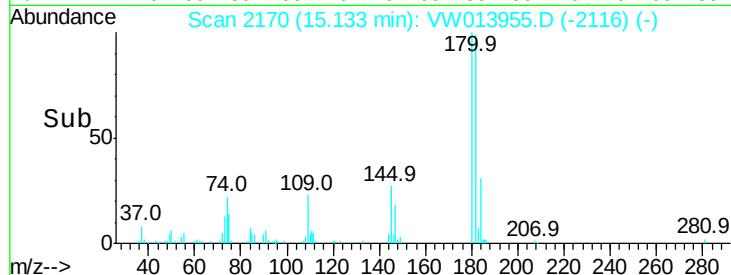
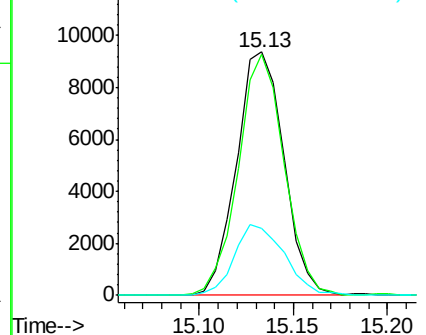
#68
1,2,4-trichlorobenzene
Concen: 2.128 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Tgt Ion:180 Resp: 16325
Ion Ratio Lower Upper
180 100
182 95.7 75.8 113.8
145 30.9 22.4 33.6

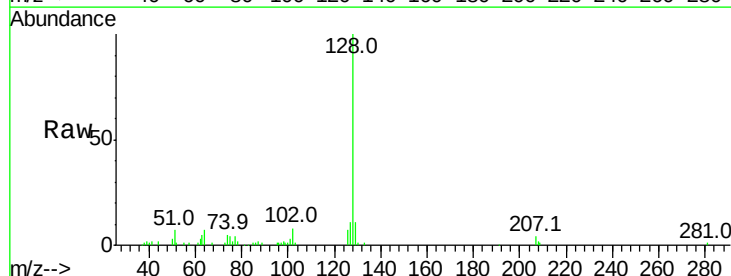


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

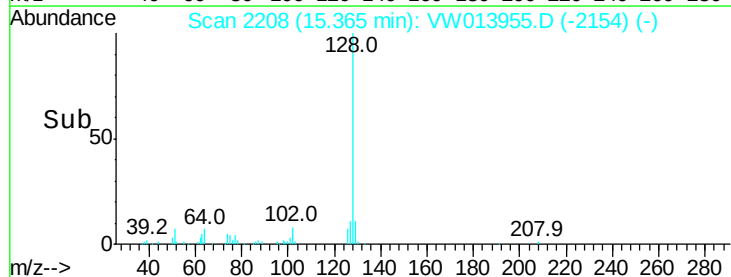
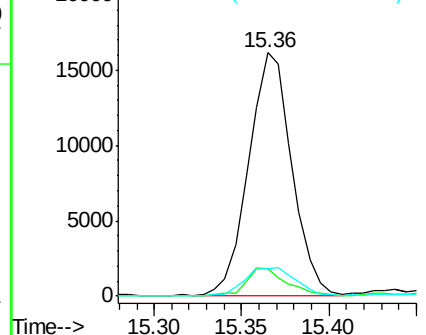


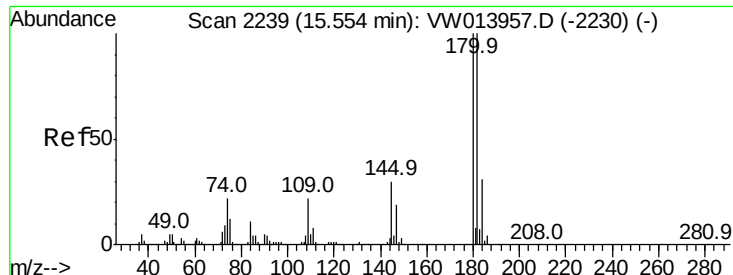
#69
Naphthalene
Concen: 1.922 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013955.D
Acq: 11 Nov 2019 10:52

Tgt Ion:128 Resp: 27967
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.9 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

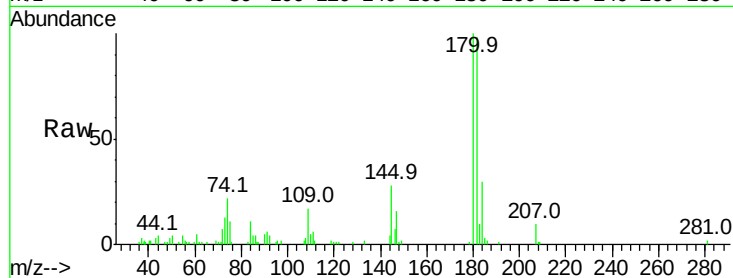




#70
 1,2,3-Trichlorobenzene
 Concen: 2.047 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW013955.D
 Acq: 11 Nov 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	75.8	113.6
145	31.4	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

