

Data File : VW013617.D
Acq On : 18 Oct 2019 11:16
Operator : SY/VA
Sample : VSTD05024
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

Quant Time: Oct 18 11:53:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323533	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316476	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189697	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	191850	51.82	ug/L	0.00
7) Chloroethane-d5	2.89	69	171499	60.32	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	418858	54.50	ug/L	0.00
20) 2-Butanone-d5	7.07	46	140216	125.72	ug/L	0.00
24) Chloroform-d	7.65	84	424689	60.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	219746	60.35	ug/L	0.00
29) Benzene-d6	8.27	84	867776	51.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	263883	52.47	ug/L	0.00
37) Toluene-d8	10.32	98	805653	50.07	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	121543	54.25	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	112974	112.29	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	224168	55.59	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	305839	44.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	178226	101.095 ug/L	95
3) Chloromethane	2.21	50	200906	64.859 ug/L	97
5) Vinyl chloride	2.37	62	259907	59.307 ug/L	98
6) Bromomethane	2.78	94	177548	66.143 ug/L	100
8) Chloroethane	2.92	64	165216	67.212 ug/L	98
9) Trichlorofluoromethane	3.26	101	162507	71.130 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	259685	64.046 ug/L	99
12) 1,1-Dichloroethene	4.04	96	269540	66.368 ug/L	98
13) Acetone	4.12	43	134562	104.969 ug/L	95
14) Carbon disulfide	4.39	76	783668	63.230 ug/L	99
15) Methyl Acetate	4.67	43	132343	66.183 ug/L	98
16) Methylene chloride	4.92	84	276743	56.474 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	359617	55.101 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	287830	66.414 ug/L	96
19) 1,1-Dichloroethane	6.21	63	489303	67.246 ug/L	98
21) 2-Butanone	7.17	43	194862	124.255 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	310501	66.988 ug/L	98
23) Bromochloromethane	7.51	128	140766	67.823 ug/L	97
25) Chloroform	7.67	83	483121	67.304 ug/L	99
27) 1,2-Dichloroethane	8.40	62	315535	69.500 ug/L	96
30) Cyclohexane	7.96	56	477052	57.329 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	369263	57.931 ug/L	99
32) Carbon tetrachloride	8.07	117	364413	59.601 ug/L	99
34) Benzene	8.32	78	1141385	59.698 ug/L	100
35) Trichloroethene	9.09	95	295747	59.302 ug/L	99
36) Methylcyclohexane	9.34	83	519494	57.281 ug/L	99
40) 1,2-Dichloropropane	9.37	63	282066	61.241 ug/L	100
41) Bromodichloromethane	9.65	83	352206	62.258 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	462397	62.579 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	381739	118.788 ug/L	100

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QLast Update : Fri Oct 18 11:37:41 2019
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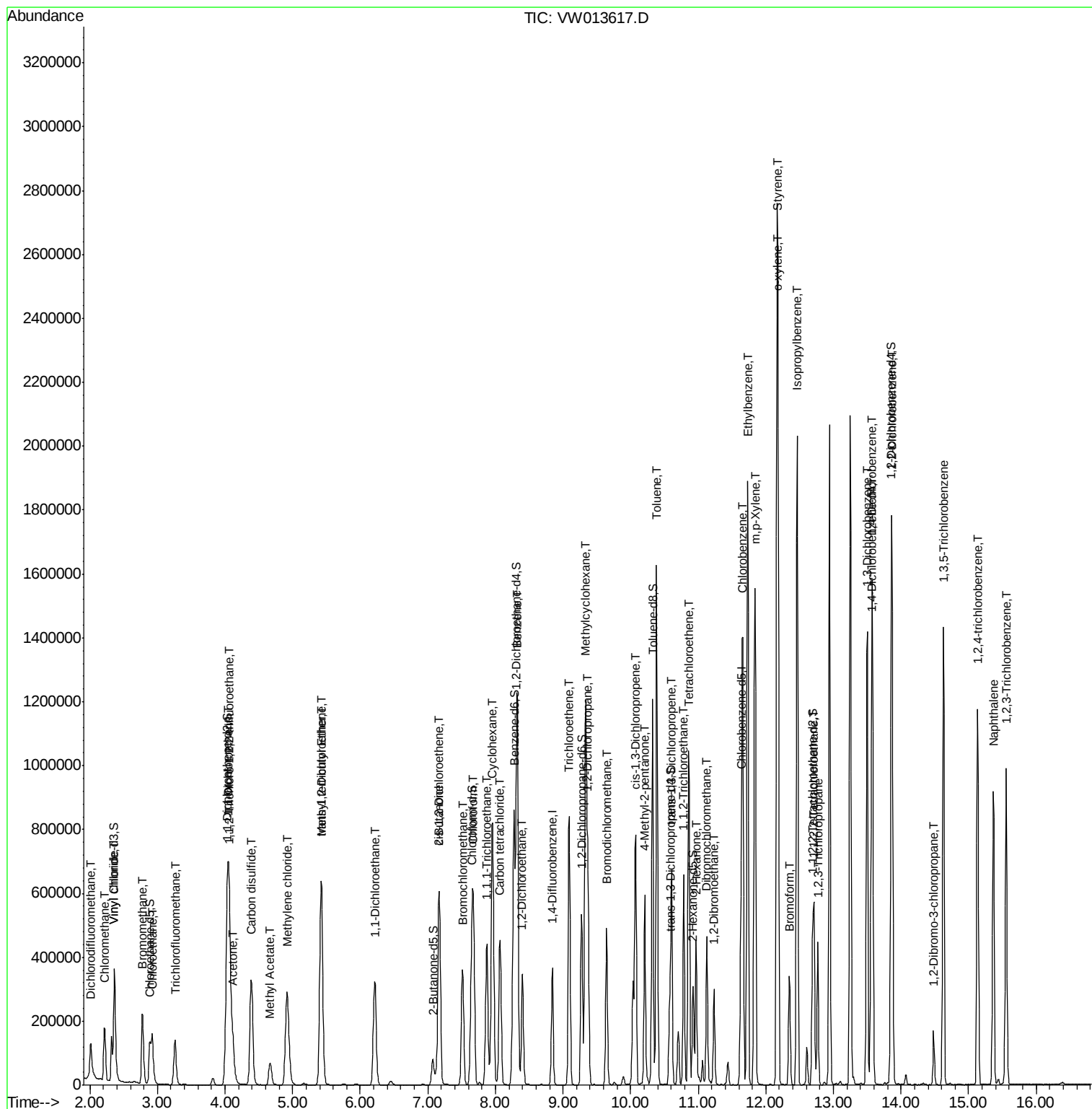
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1246141	60.142	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	372001	63.758	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	213092	60.948	ug/L	98
47) Tetrachloroethene	10.86	164	266820	58.703	ug/L	97
49) 2-Hexanone	10.97	43	290040	124.182	ug/L	99
50) Dibromochloromethane	11.13	129	261704	63.574	ug/L	94
51) 1,2-Dibromoethane	11.23	107	214674	62.505	ug/L	97
52) Chlorobenzene	11.66	112	788668	59.973	ug/L	99
53) Ethylbenzene	11.73	91	1381790	60.246	ug/L	98
54) m,p-Xylene	11.84	106	530416	59.283	ug/L	99
55) o-xylene	12.16	106	512542	61.369	ug/L	99
56) Styrene	12.18	104	883191	62.093	ug/L	99
57) Isopropylbenzene	12.46	105	1364487	60.225	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	254492	61.609	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	190041	61.613	ug/L	98
62) Bromoform	12.35	173	168156	55.113	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	636988	50.111	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	636900	50.334	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	578479	50.613	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	41332	52.383	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	487606	50.823	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	429611	54.025	ug/L	100
69) Naphthalene	15.36	128	808298	55.806	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	377240	53.275	ug/L	99

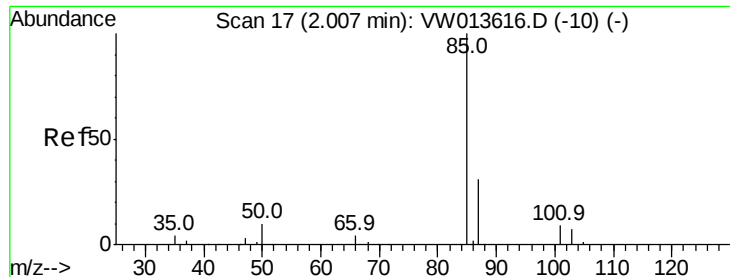
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 101.095 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

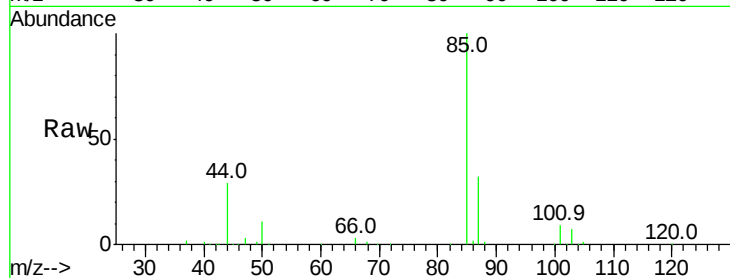
VSTD05006

Tgt Ion: 85 Resp: 178226

Ion Ratio Lower Upper

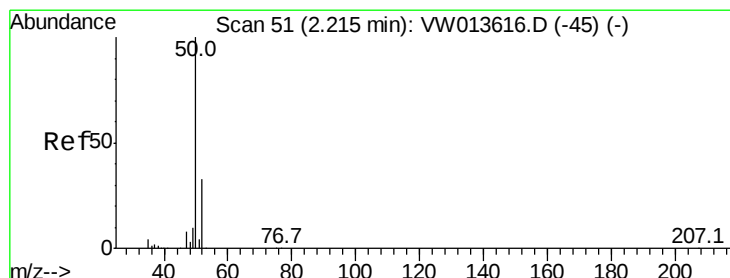
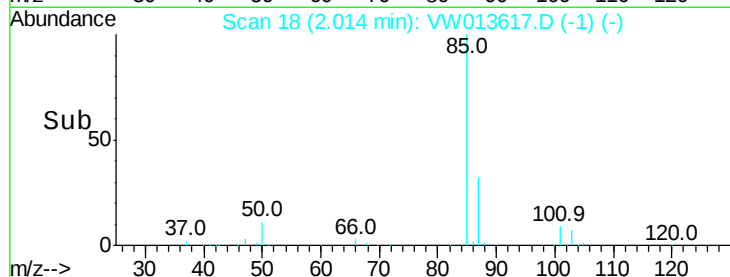
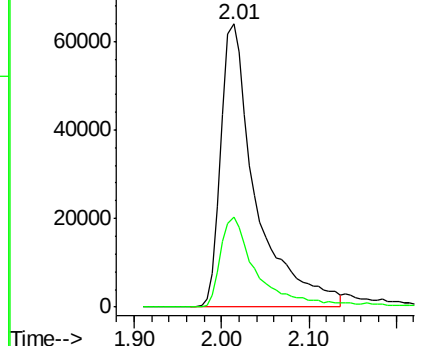
85 100

87 31.3 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 64.859 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013617.D

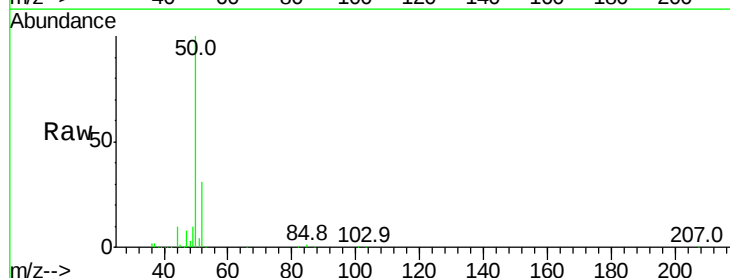
Acq: 18 Oct 2019 11:16

Tgt Ion: 50 Resp: 200906

Ion Ratio Lower Upper

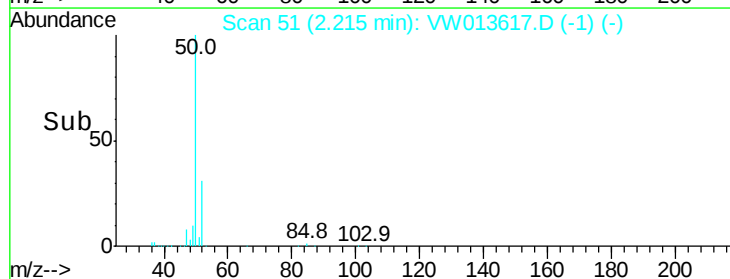
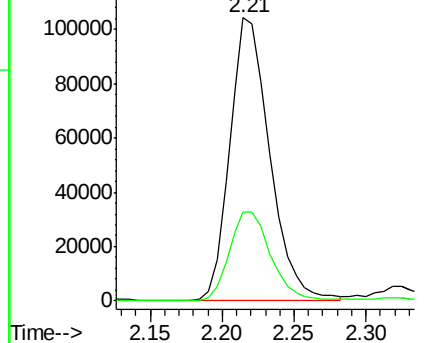
50 100

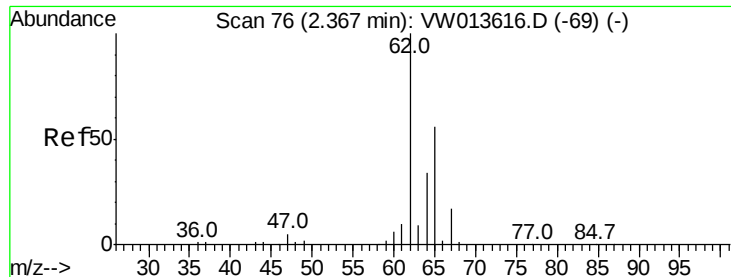
52 31.4 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 59.307 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

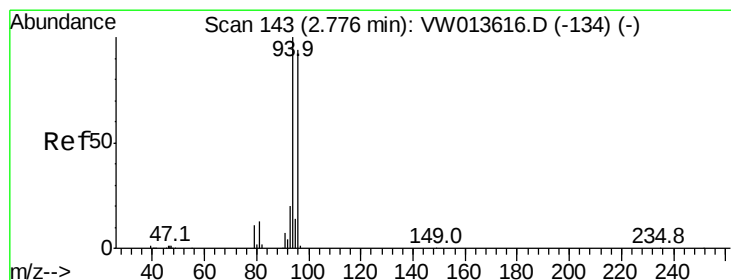
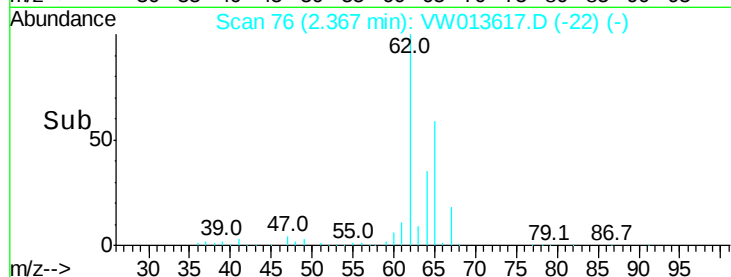
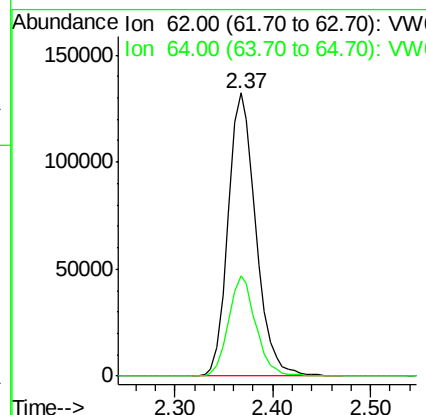
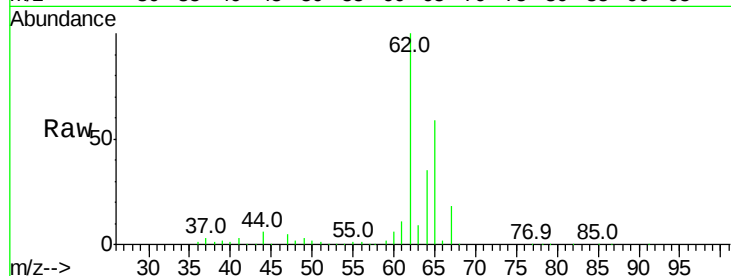
VSTD05006

Tgt Ion: 62 Resp: 259907

Ion Ratio Lower Upper

62 100

64 35.4 23.9 44.5



#6

Bromomethane

Concen: 66.143 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013617.D

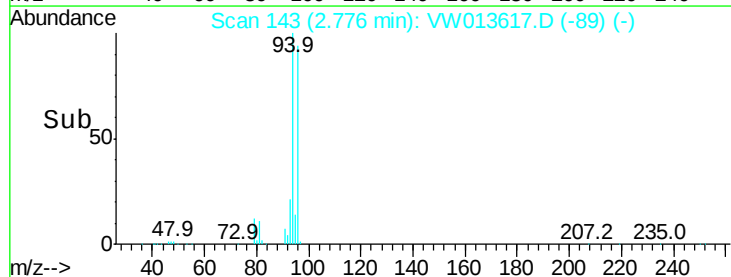
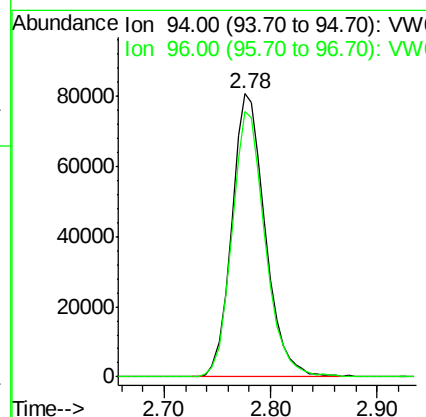
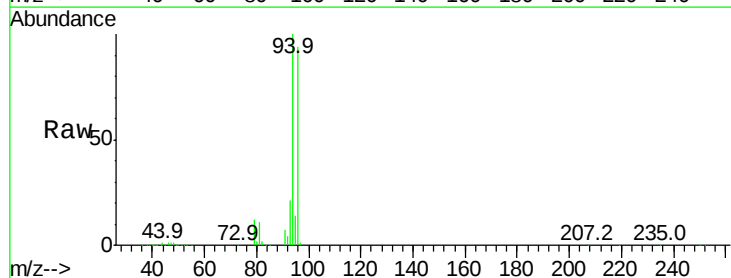
Acq: 18 Oct 2019 11:16

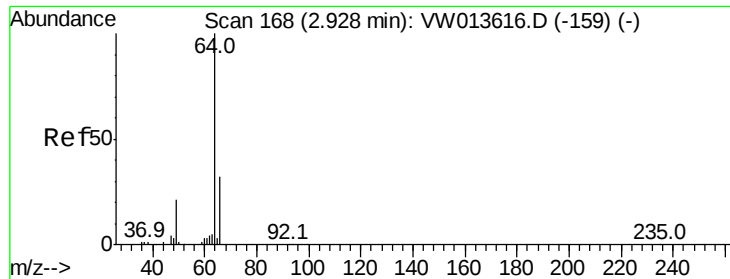
Tgt Ion: 94 Resp: 177548

Ion Ratio Lower Upper

94 100

96 92.8 9.3 176.9





#8

Chloroethane

Concen: 67.212 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

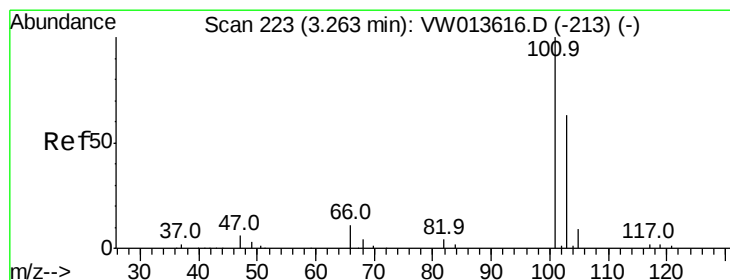
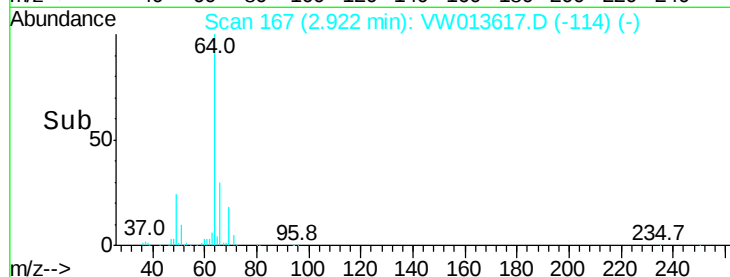
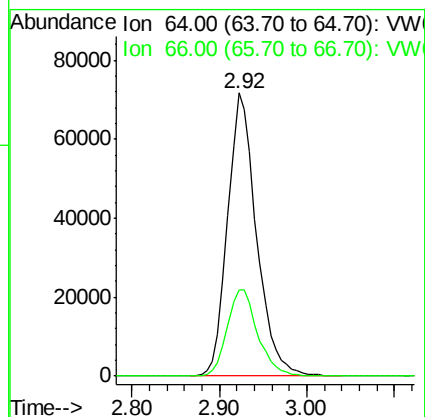
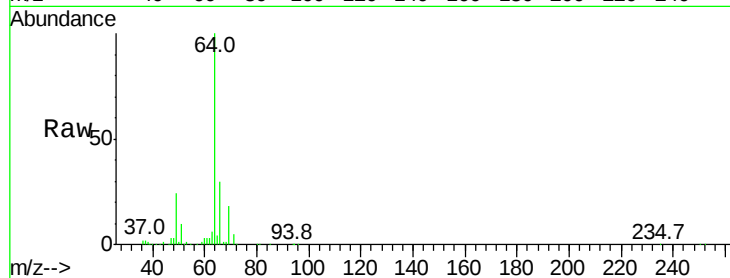
VSTD05006

Tgt Ion: 64 Resp: 165216

Ion Ratio Lower Upper

64 100

66 30.5 22.2 41.2



#9

Trichlorofluoromethane

Concen: 71.130 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW013617.D

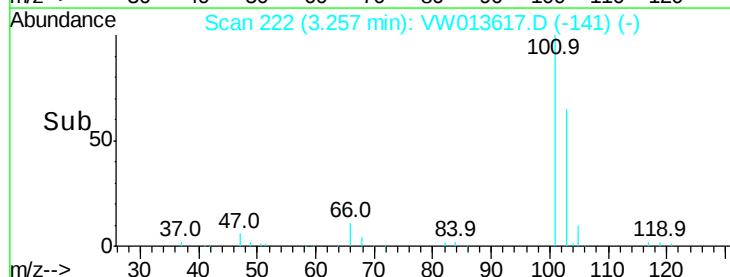
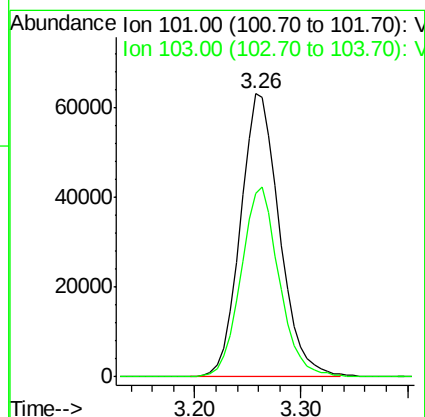
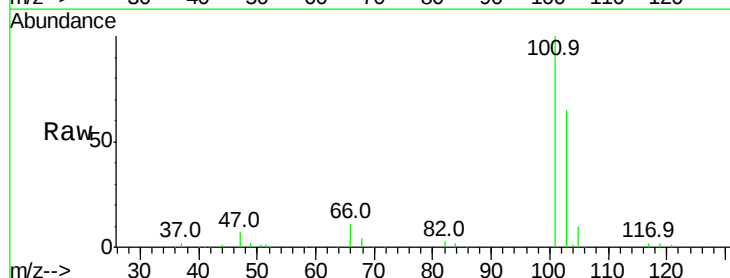
Acq: 18 Oct 2019 11:16

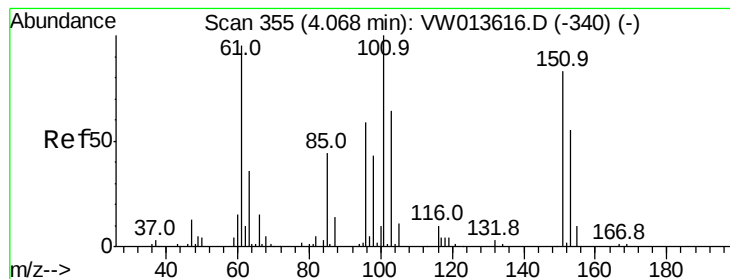
Tgt Ion: 101 Resp: 162507

Ion Ratio Lower Upper

101 100

103 65.4 46.5 86.5





#11

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

Concen: 64.046 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

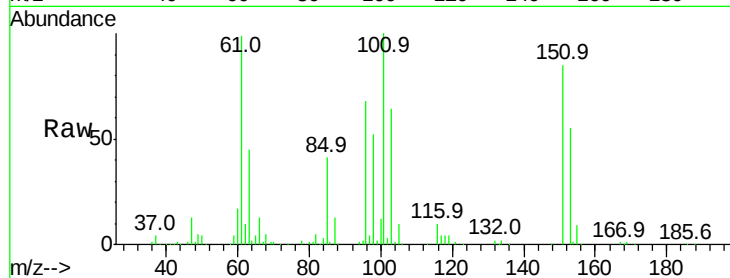
Tgt Ion: 101 Resp: 259685

Ion Ratio Lower Upper

101 100

85 40.6 32.0 48.0

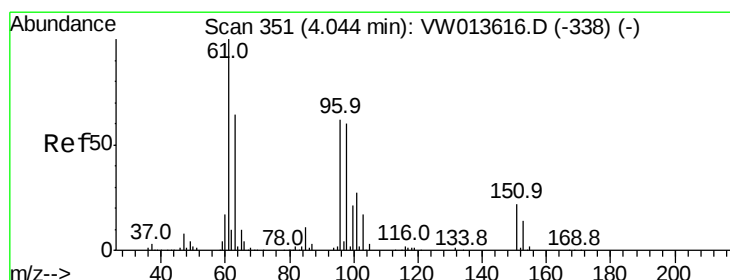
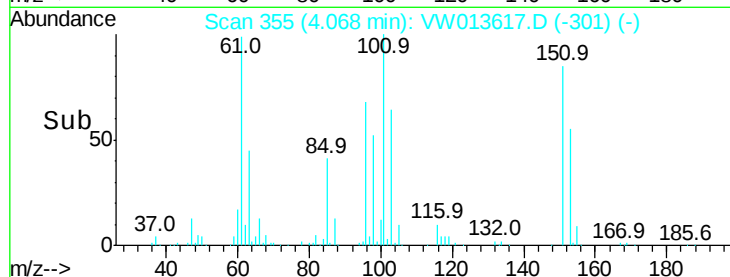
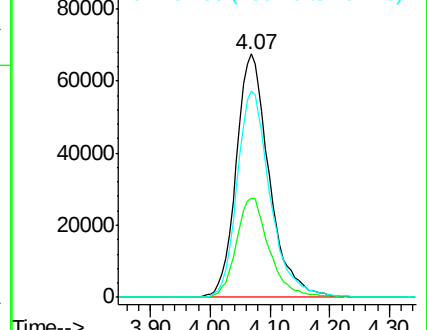
151 84.9 66.9 100.3



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: 66.368 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

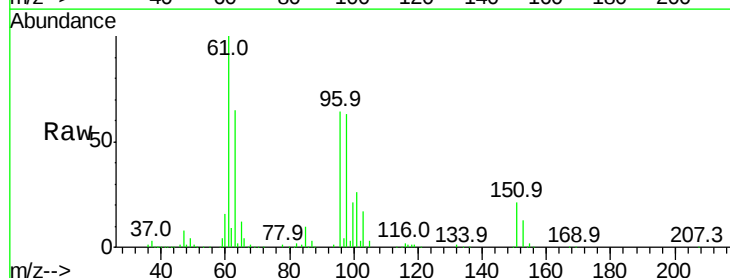
Tgt Ion: 96 Resp: 269540

Ion Ratio Lower Upper

96 100

61 157.3 112.7 209.3

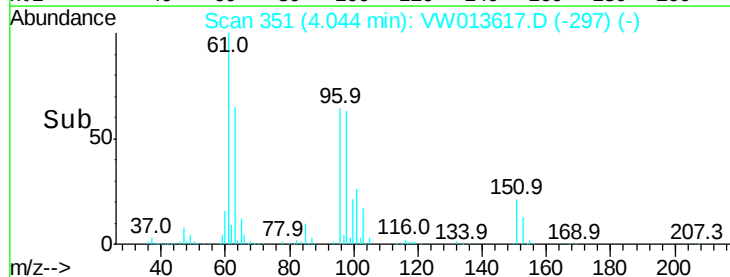
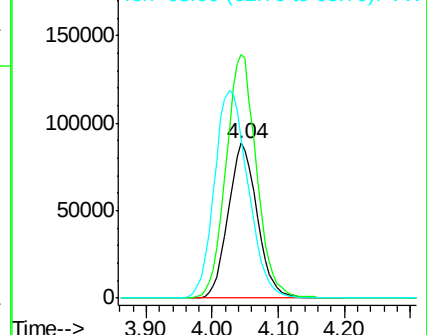
63 102.9 72.8 135.2

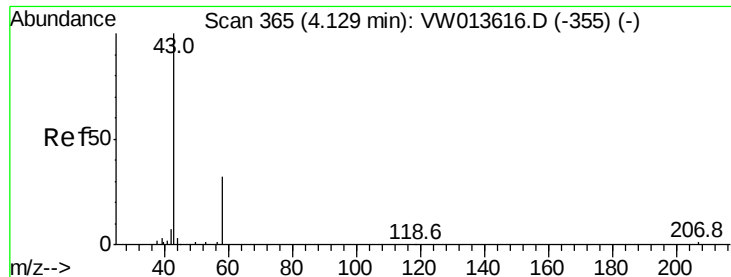


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 104.969 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampled :

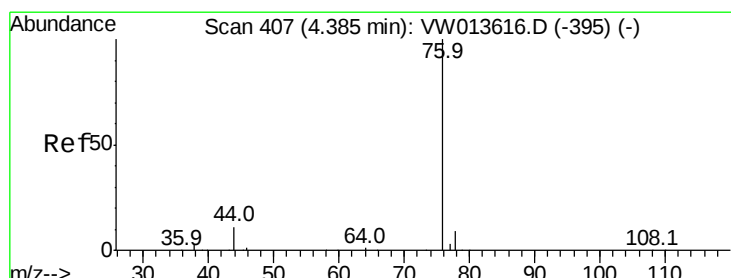
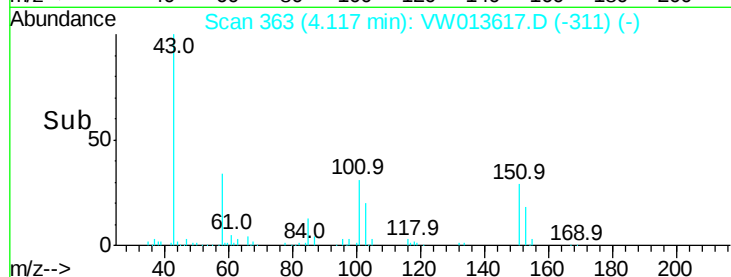
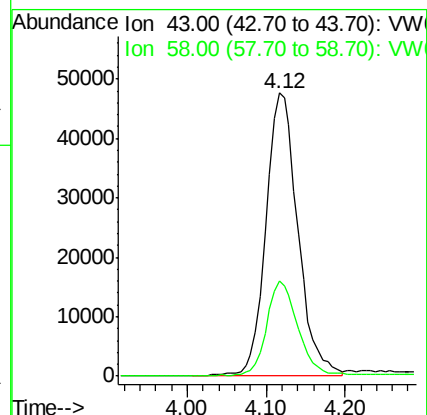
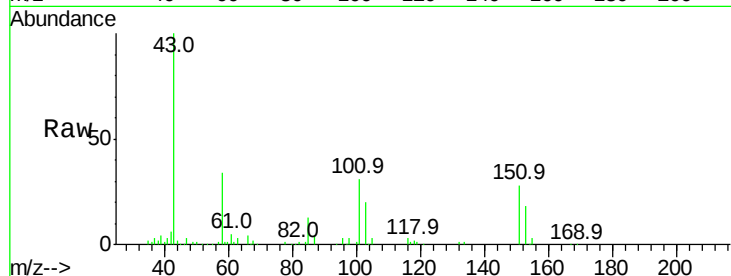
VSTD05006

Tgt Ion: 43 Resp: 134562

Ion Ratio Lower Upper

43 100

58 32.5 0.0 70.4



#14

Carbon disulfide

Concen: 63.230 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013617.D

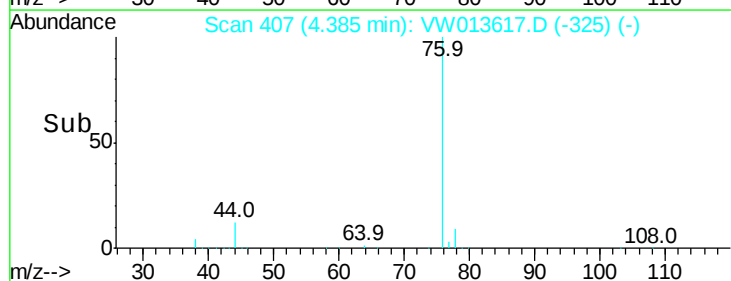
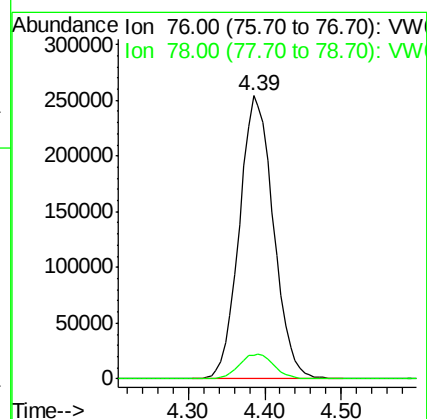
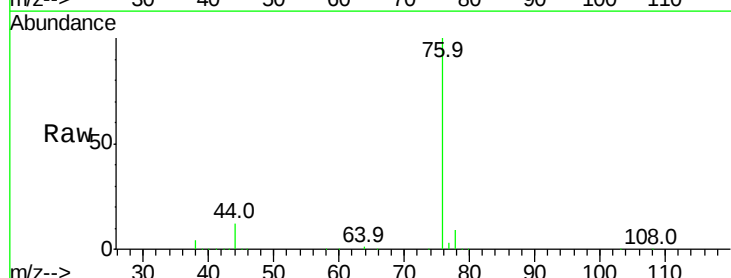
Acq: 18 Oct 2019 11:16

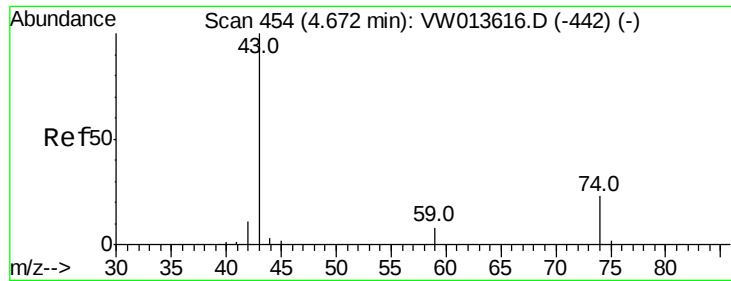
Tgt Ion: 76 Resp: 783668

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

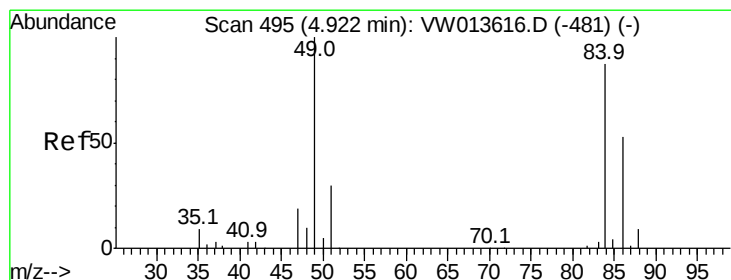
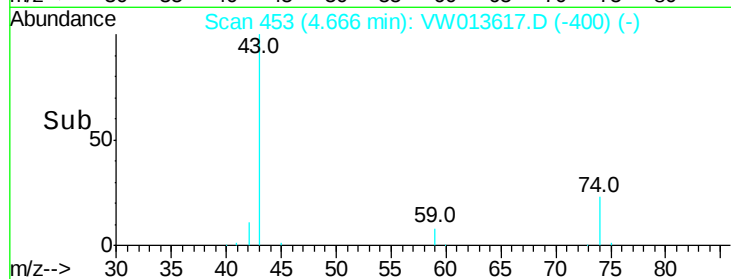
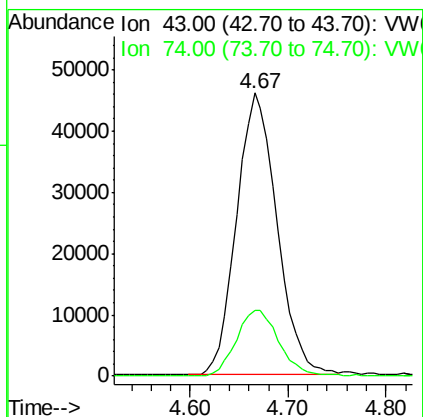
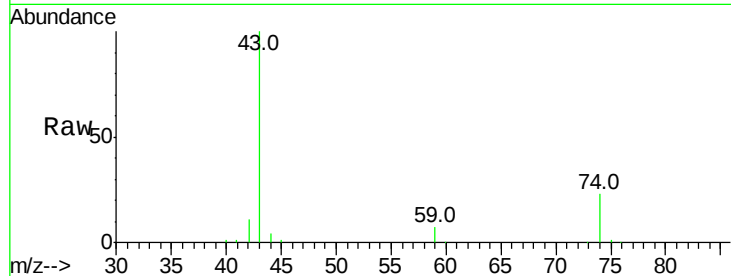




#15
Methyl Acetate
Concen: 66.183 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

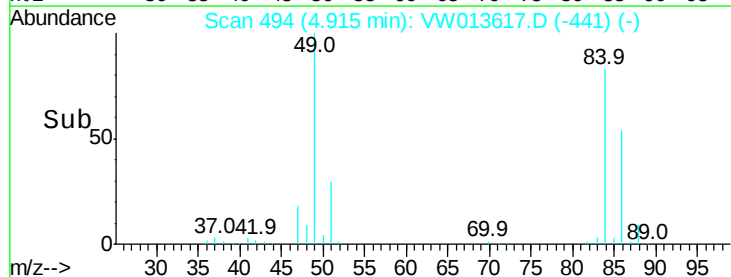
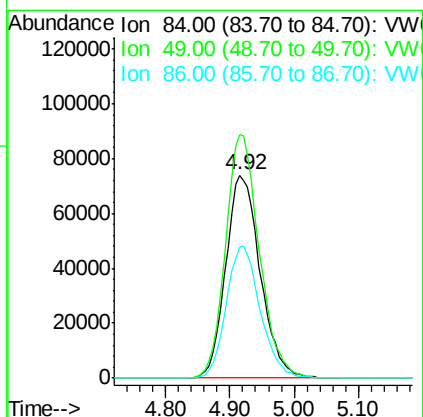
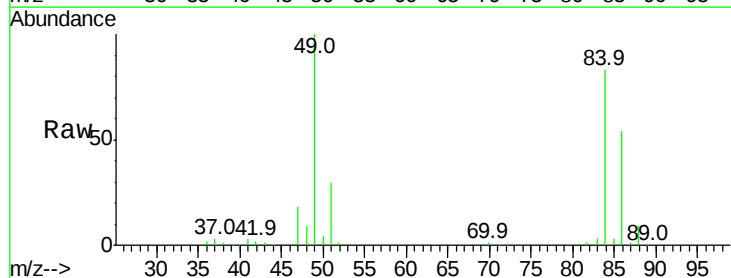
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

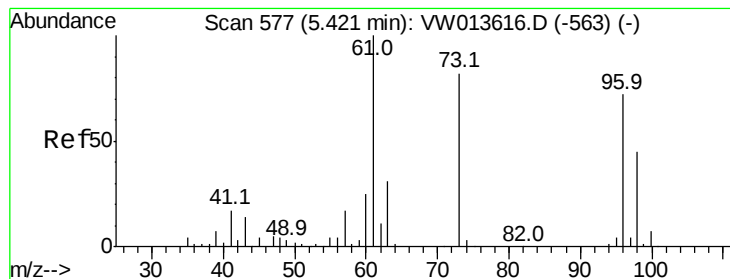
Tgt Ion: 43 Resp: 132343
Ion Ratio Lower Upper
43 100
74 24.8 19.2 28.8



#16
Methylene chloride
Concen: 56.474 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

Tgt Ion: 84 Resp: 276743
Ion Ratio Lower Upper
84 100
49 119.8 80.2 148.9
86 64.6 42.7 79.3





#17

Methyl tert-butyl Ether

Concen: 55.101 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

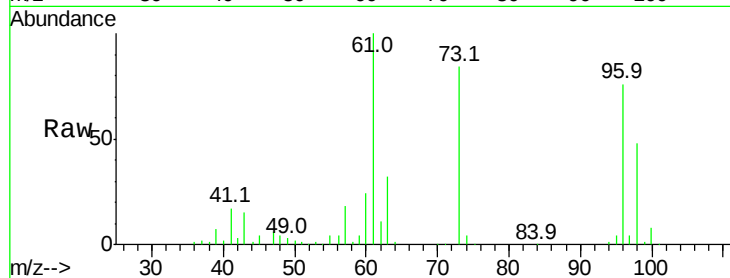
Tgt Ion: 73 Resp: 359617

Ion Ratio Lower Upper

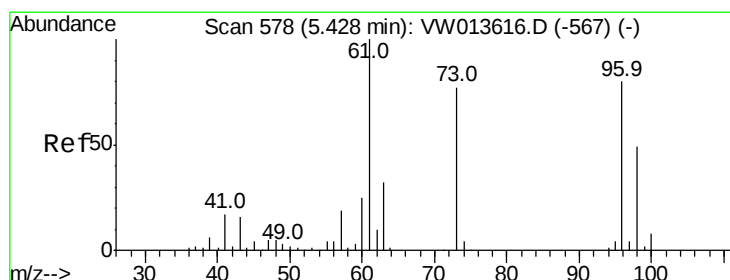
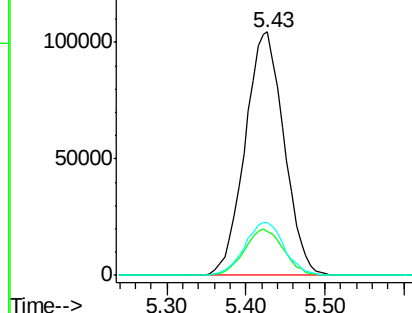
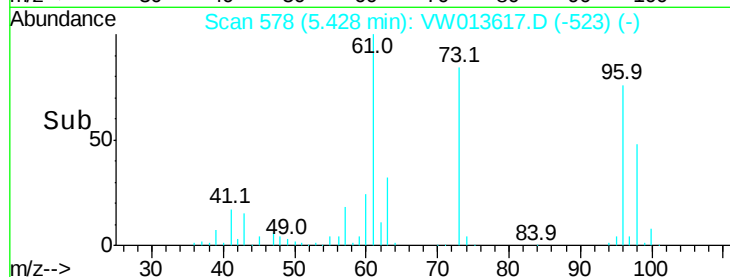
73 100

43 19.0 15.4 23.2

57 22.2 17.7 26.5



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



#18

trans-1,2-Dichloroethene

Concen: 66.414 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

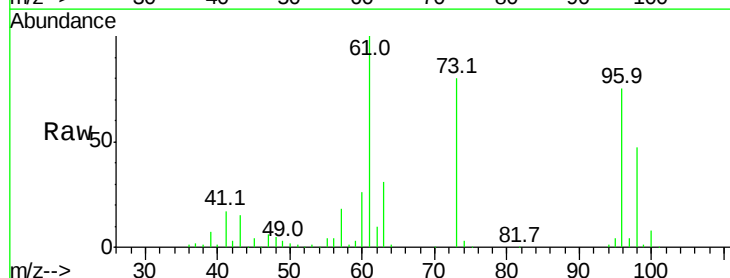
Tgt Ion: 96 Resp: 287830

Ion Ratio Lower Upper

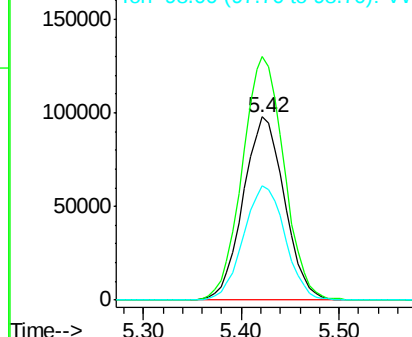
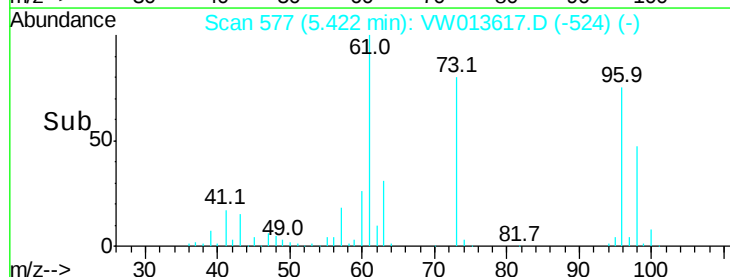
96 100

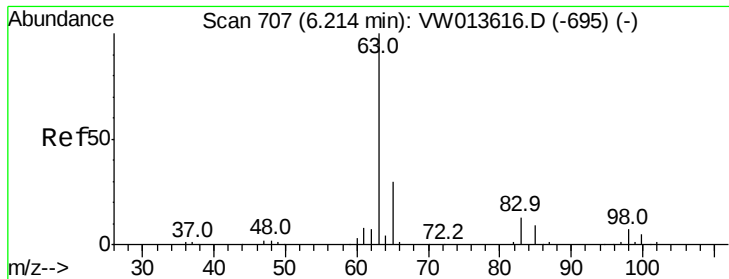
61 133.0 88.4 164.2

98 62.5 43.0 79.8



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

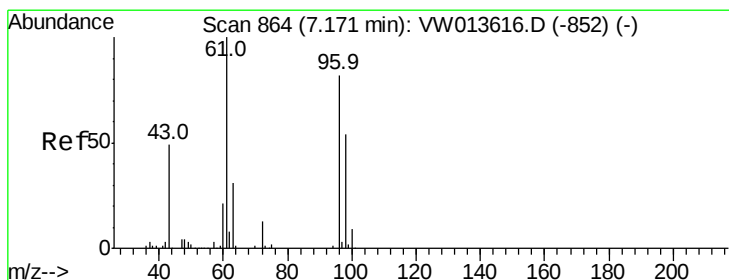
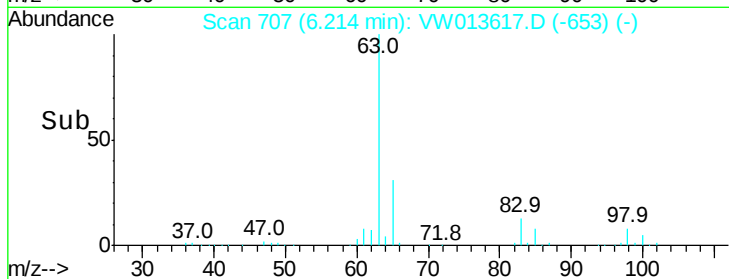
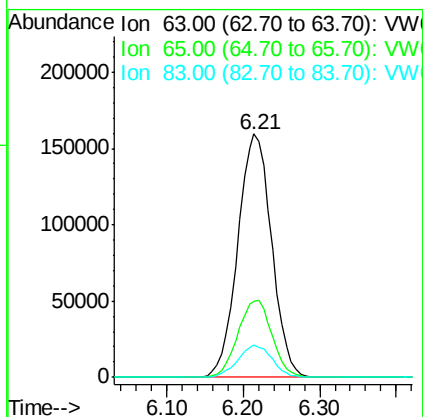
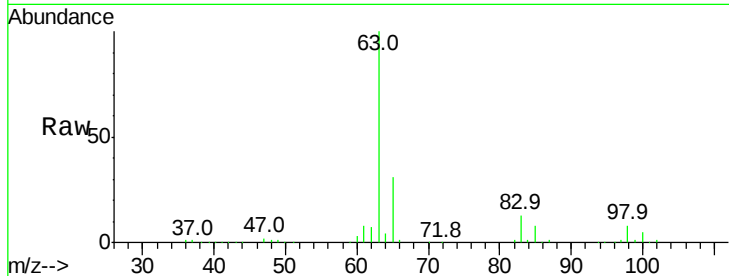




#19
 1,1-Dichloroethane
 Concen: 67.246 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

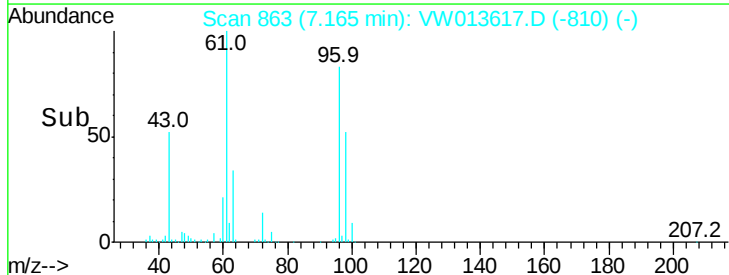
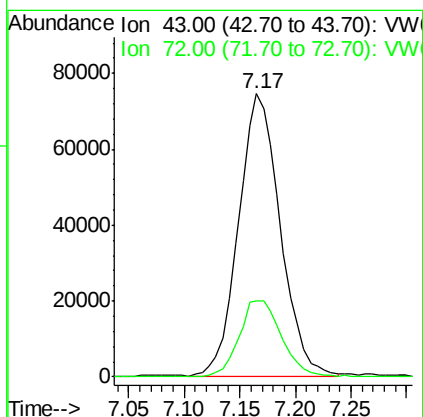
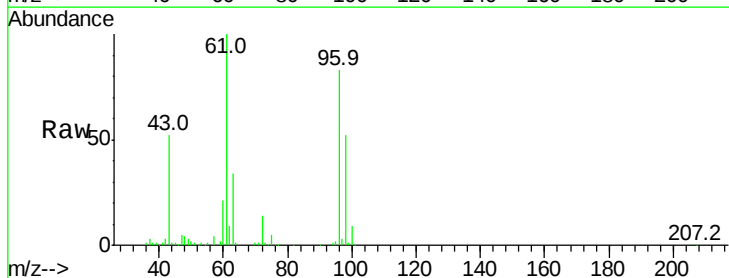
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

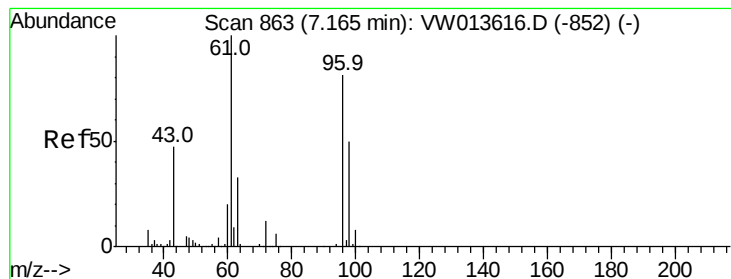
Tgt Ion: 63 Resp: 489303
 Ion Ratio Lower Upper
 63 100
 65 30.9 20.9 38.7
 83 13.1 9.2 17.2



#21
 2-Butanone
 Concen: 124.255 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Tgt Ion: 43 Resp: 194862
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.7 41.1



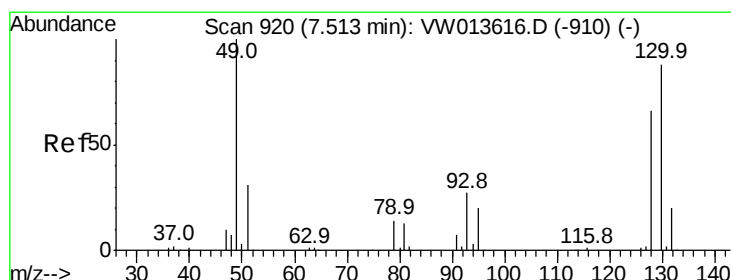
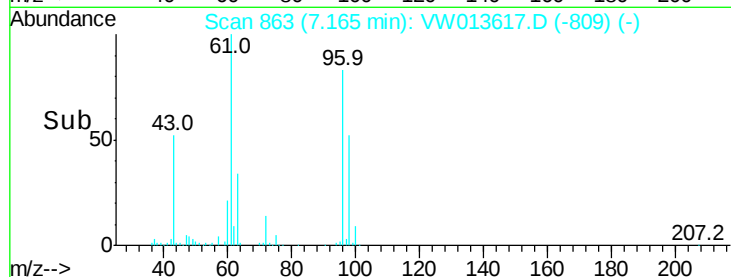
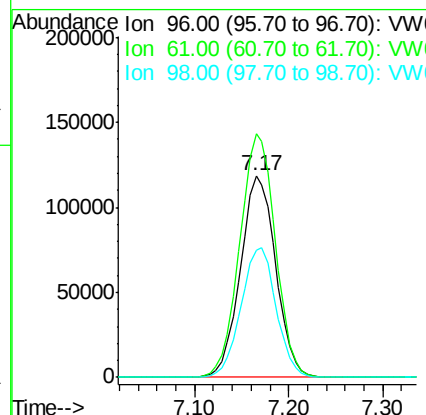
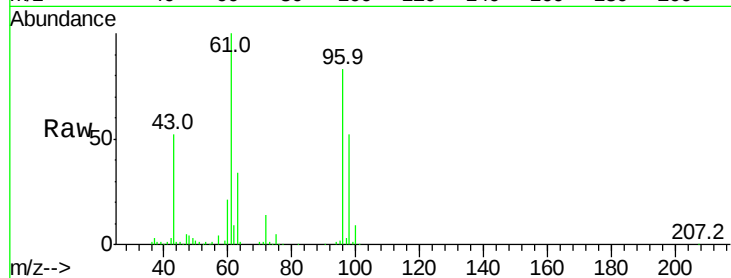


#22

cis-1,2-Dichloroethene
Concen: 66.988 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

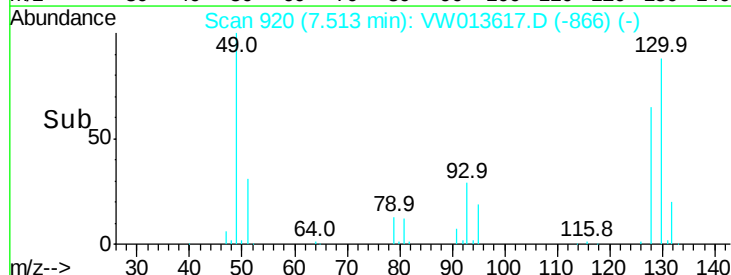
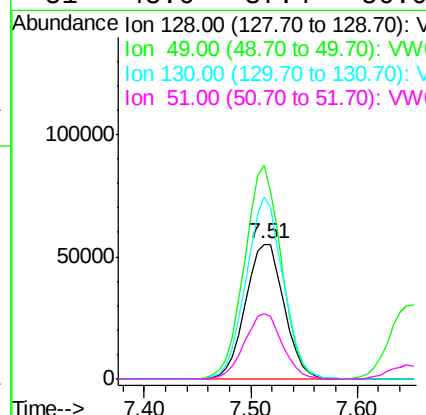
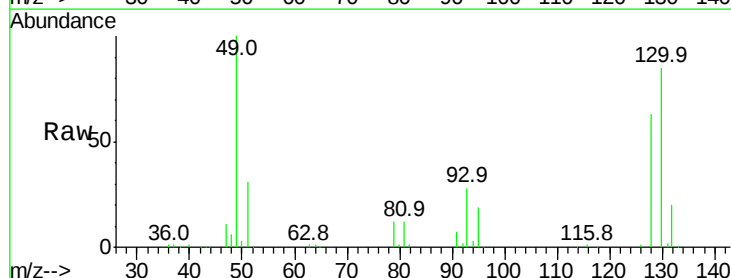
Tgt Ion: 96 Resp: 310501
Ion Ratio Lower Upper
96 100
61 120.7 86.2 160.0
98 63.3 43.0 79.8

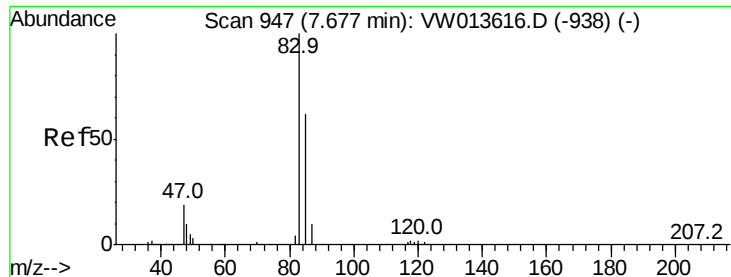


#23

Bromochloromethane
Concen: 67.823 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

Tgt Ion: 128 Resp: 140766
Ion Ratio Lower Upper
128 100
49 158.5 106.3 197.3
130 135.1 93.2 173.2
51 48.6 37.4 56.0





#25

Chloroform

Concen: 67.304 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

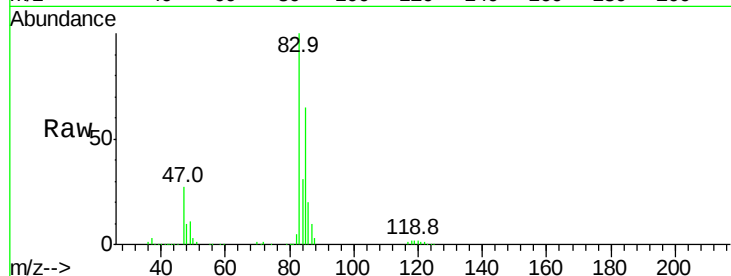
VSTD05006

Tgt Ion: 83 Resp: 483121

Ion Ratio Lower Upper

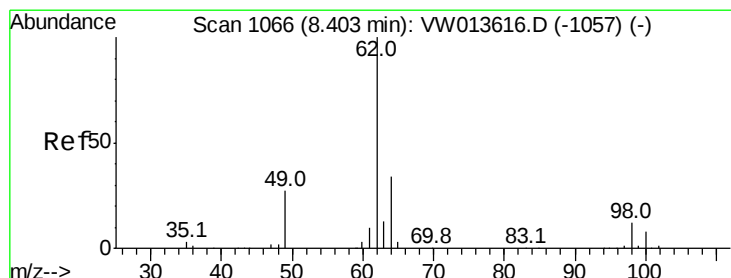
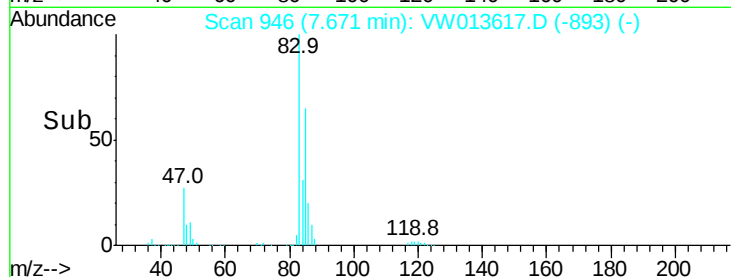
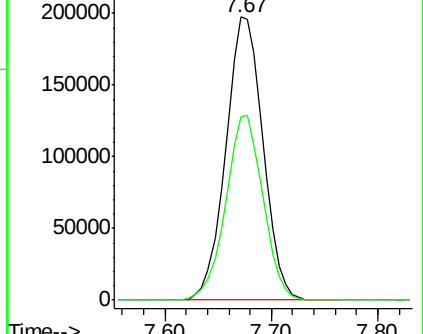
83 100

85 65.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 69.500 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW013617.D

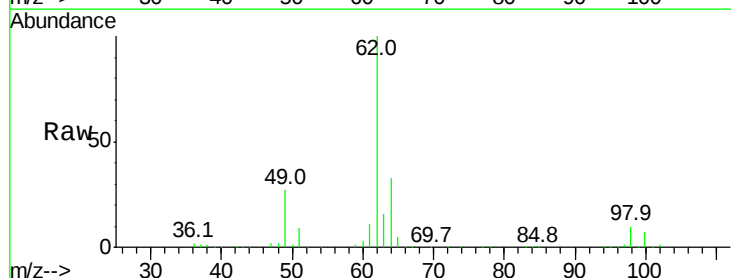
Acq: 18 Oct 2019 11:16

Tgt Ion: 62 Resp: 315535

Ion Ratio Lower Upper

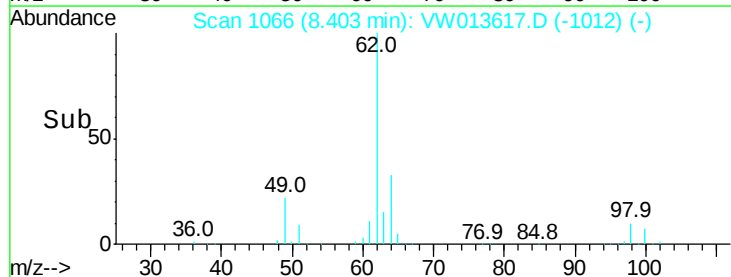
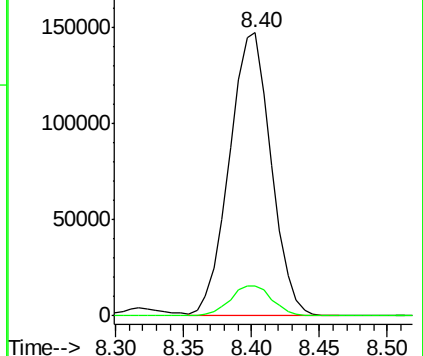
62 100

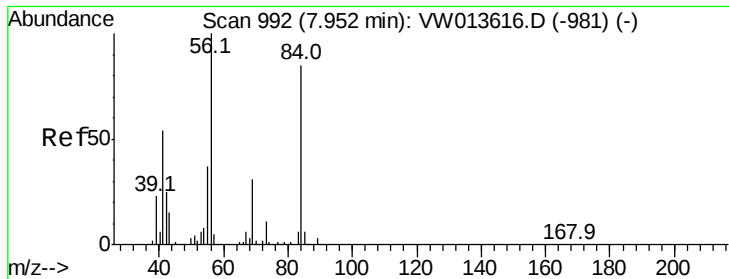
98 10.4 9.6 14.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

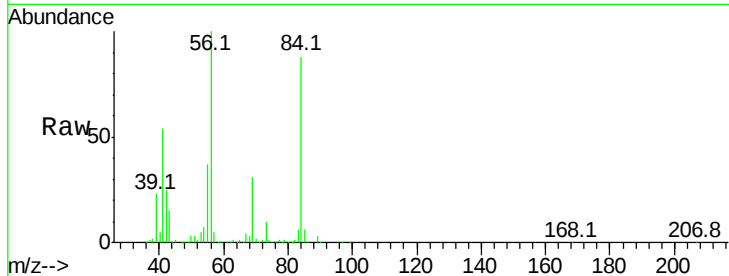




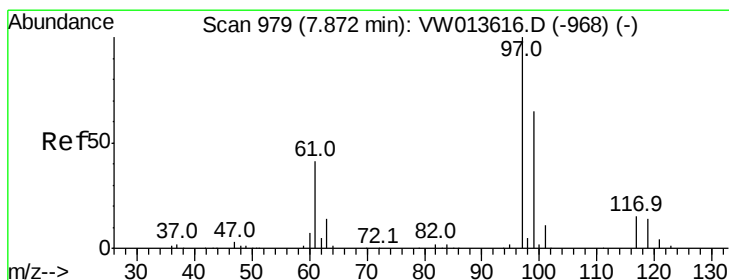
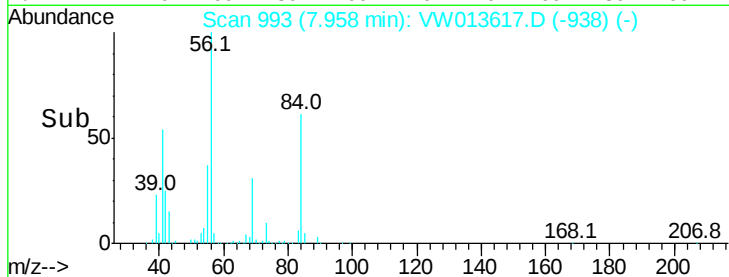
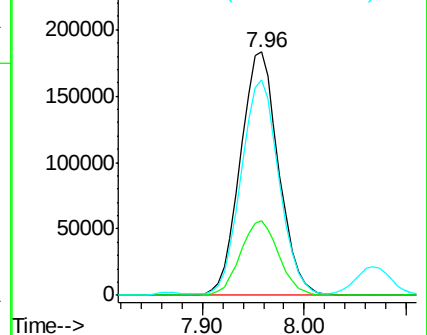
#30
Cyclohexane
Concen: 57.329 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

Tgt Ion: 56 Resp: 477052
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.1 71.1 106.7

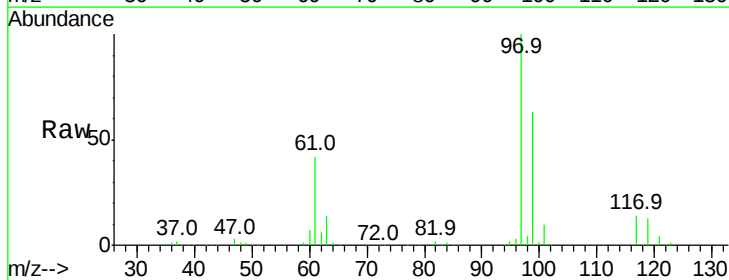


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

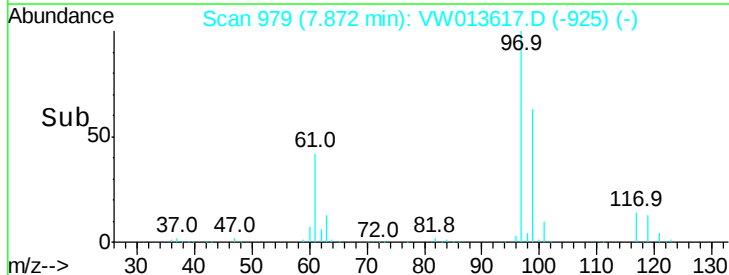
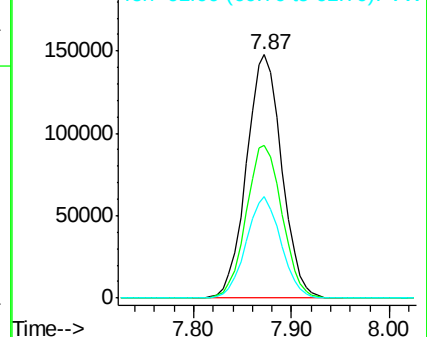


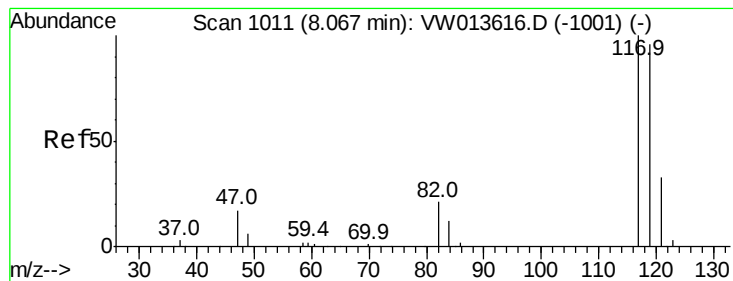
#31
1,1,1-Trichloroethane
Concen: 57.931 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

Tgt Ion: 97 Resp: 369263
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 41.3 33.8 50.8



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: 59.601 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

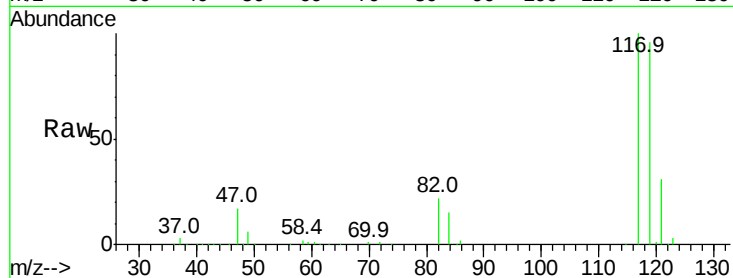
VSTD05006

Tgt Ion:117 Resp: 364413

Ion Ratio Lower Upper

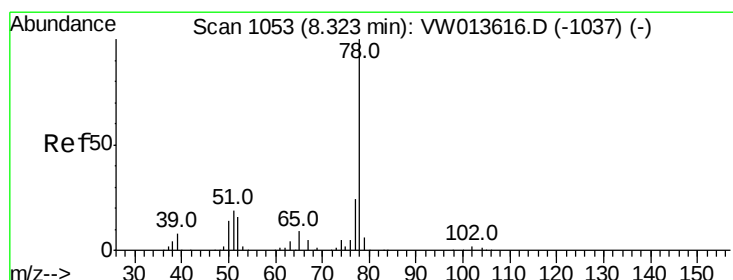
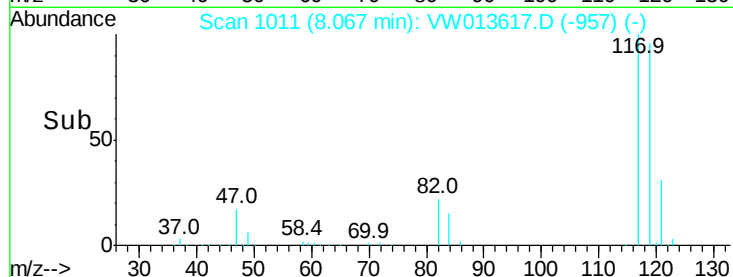
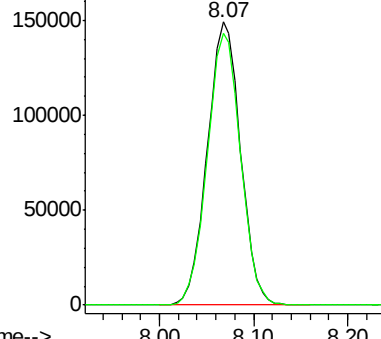
117 100

119 96.4 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 59.698 ug/L

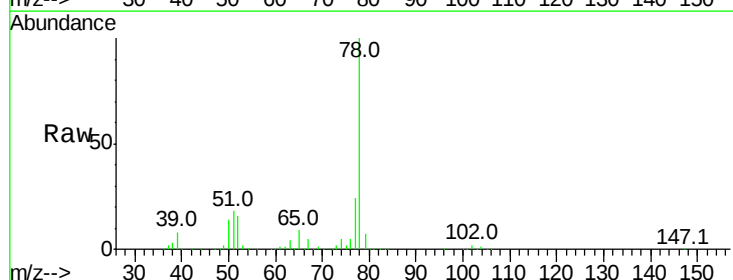
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

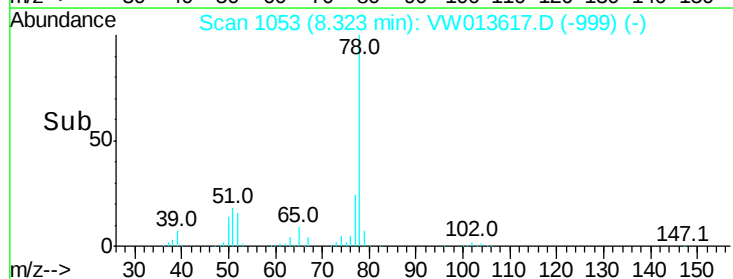
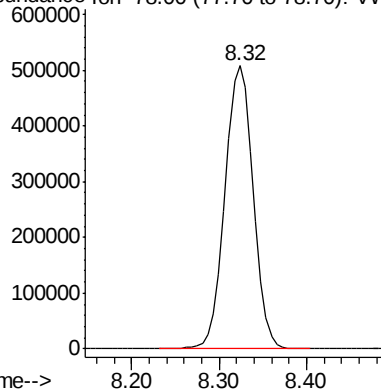
Lab File: VW013617.D

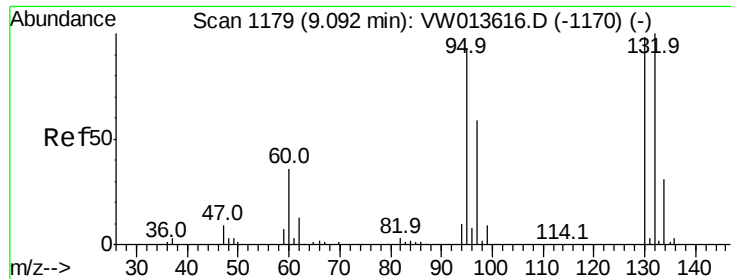
Acq: 18 Oct 2019 11:16

Tgt Ion: 78 Resp: 1141385



Abundance Ion 78.00 (77.70 to 78.70): VW

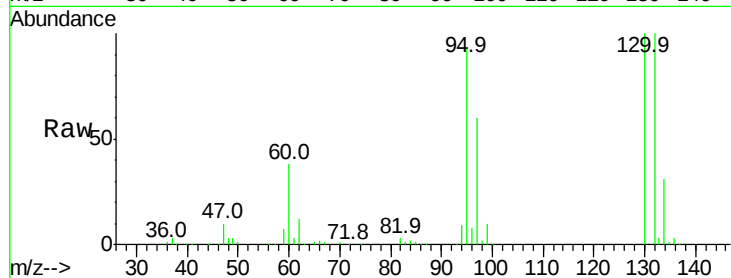




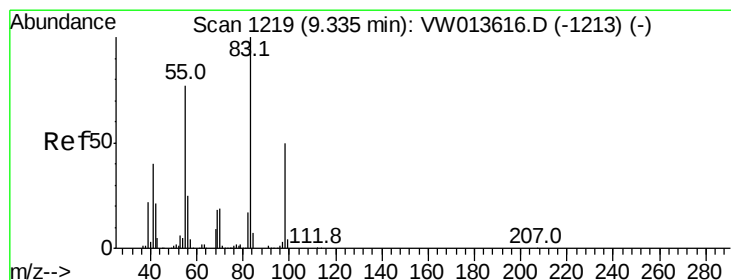
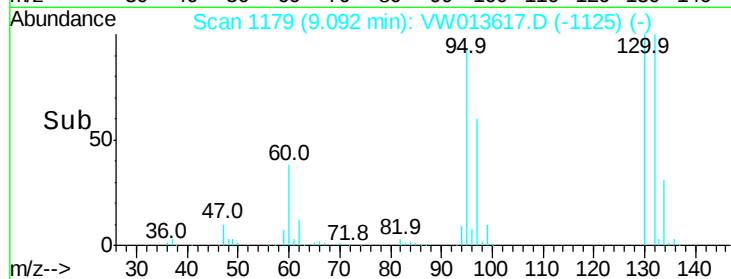
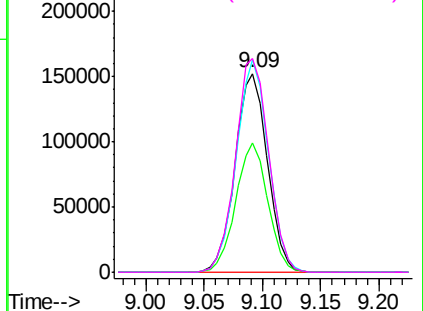
#35
 Trichloroethene
 Concen: 59.302 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05006

Tgt Ion:	95	Resp:	295747
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.8	85.2
132	105.8	74.3	138.1
130	109.9	76.6	142.3

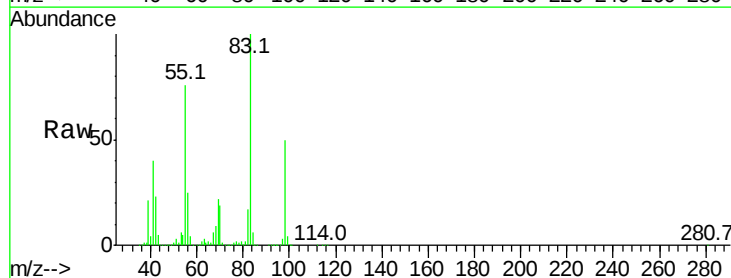


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

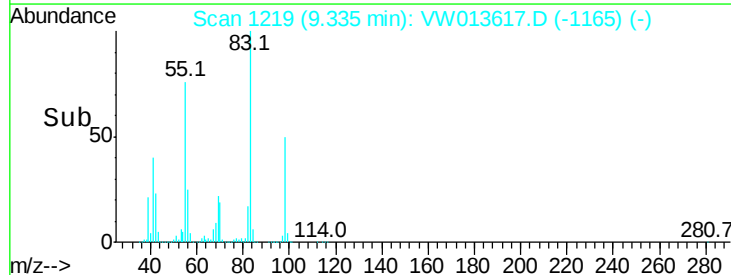
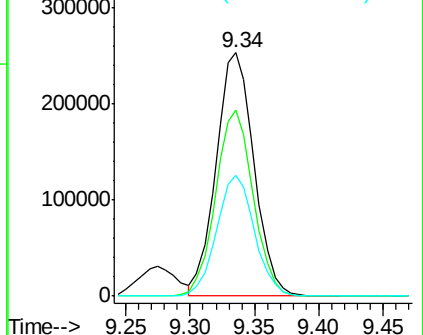


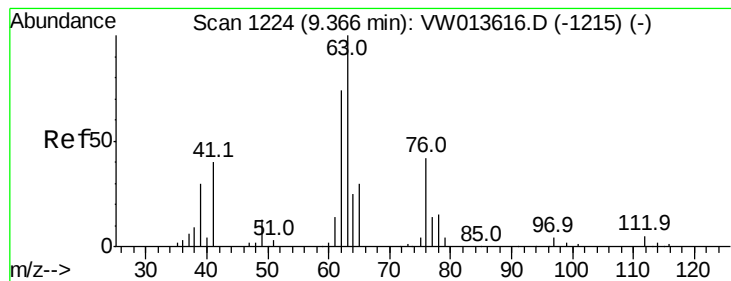
#36
 Methylcyclohexane
 Concen: 57.281 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Tgt Ion:	83	Resp:	519494
Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.2	90.4
98	49.7	39.1	58.7



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: 61.241 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

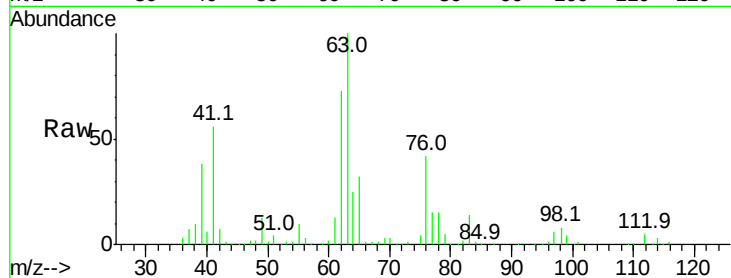
VSTD05006

Tgt Ion: 63 Resp: 282066

Ion Ratio Lower Upper

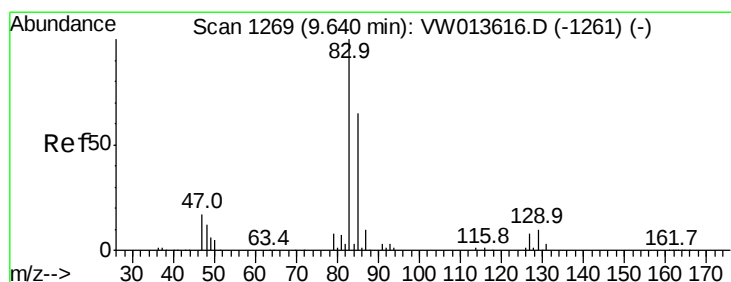
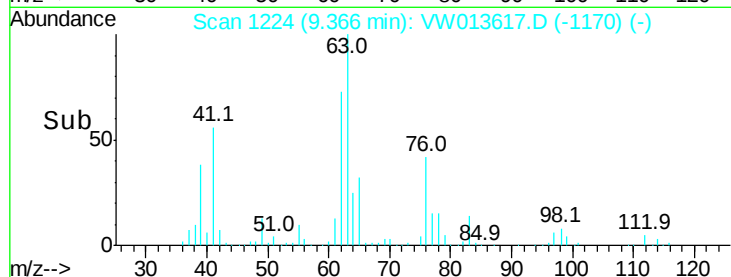
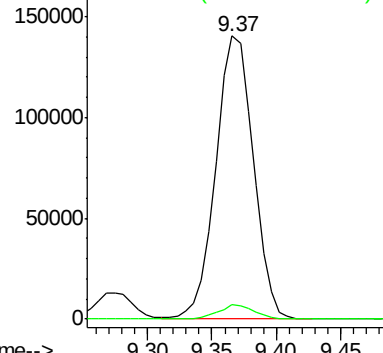
63 100

112 4.9 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 62.258 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

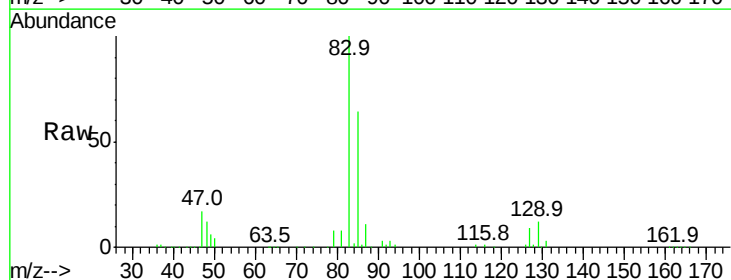
Tgt Ion: 83 Resp: 352206

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0

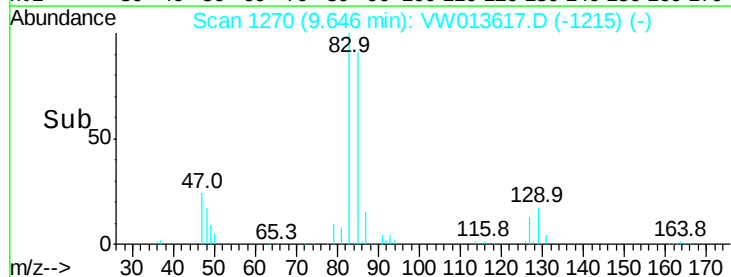
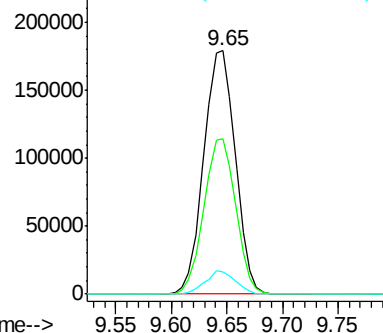
127 8.9 6.6 10.0

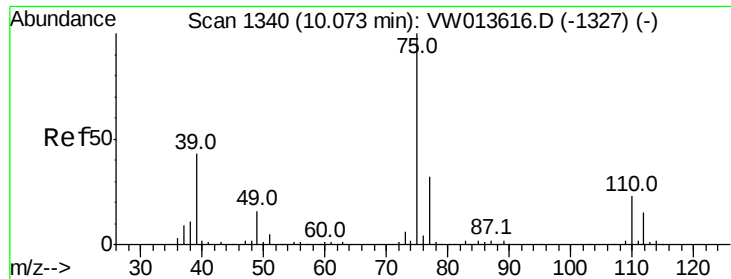


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 62.579 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

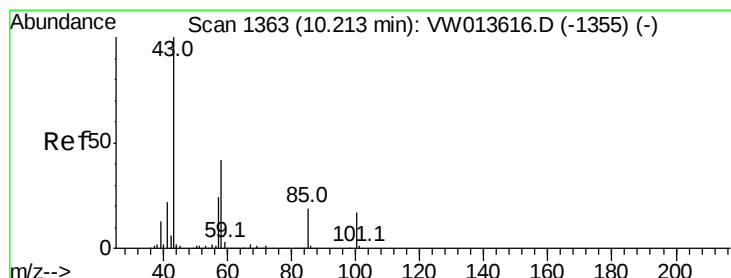
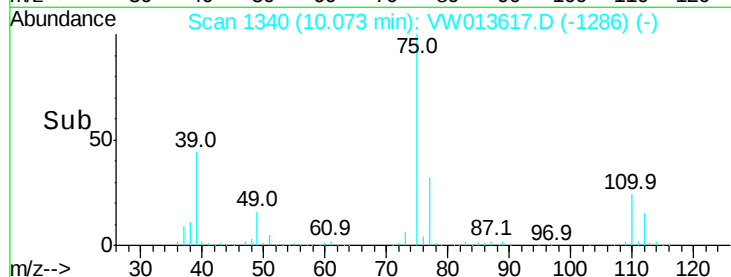
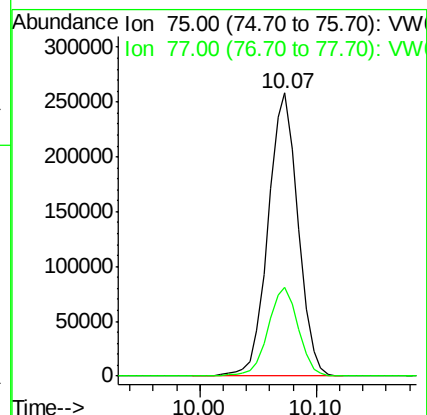
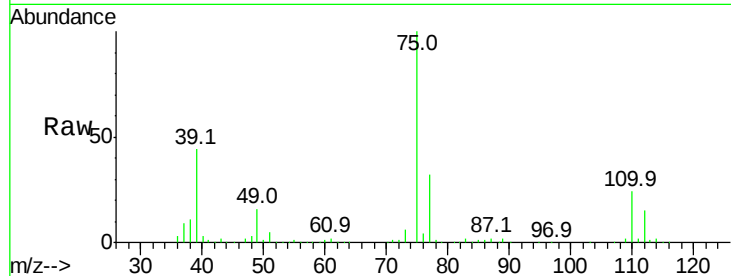
VSTD05006

Tgt Ion: 75 Resp: 462397

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 118.788 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

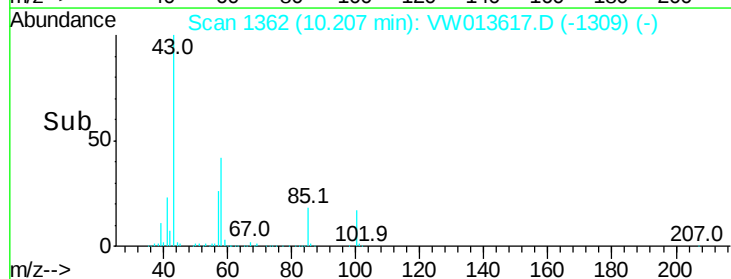
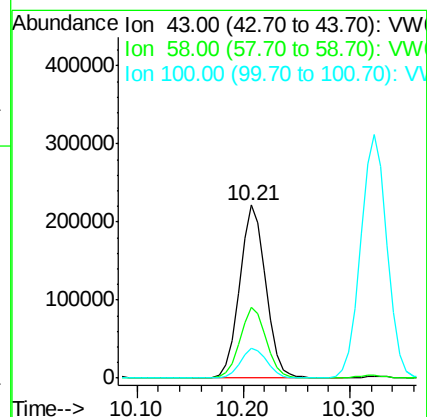
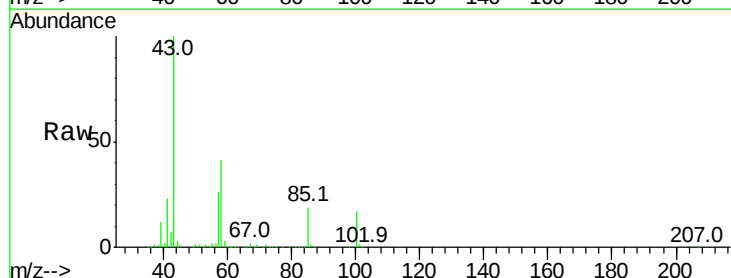
Tgt Ion: 43 Resp: 381739

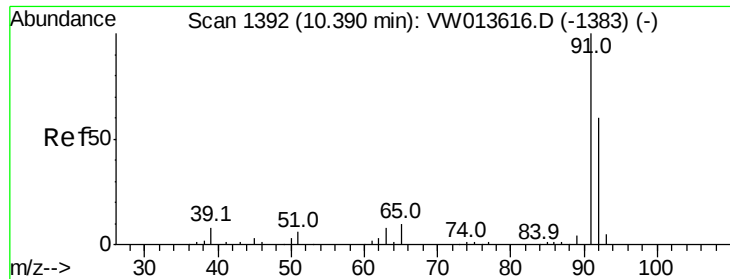
Ion Ratio Lower Upper

43 100

58 40.9 32.8 49.2

100 17.4 13.7 20.5





#44

Toluene

Concen: 60.142 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

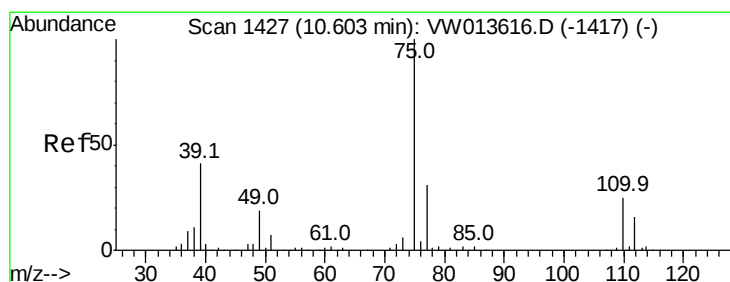
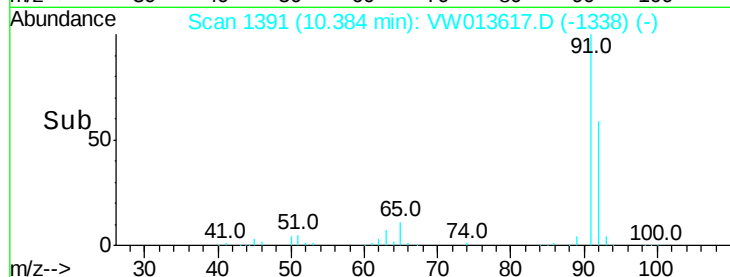
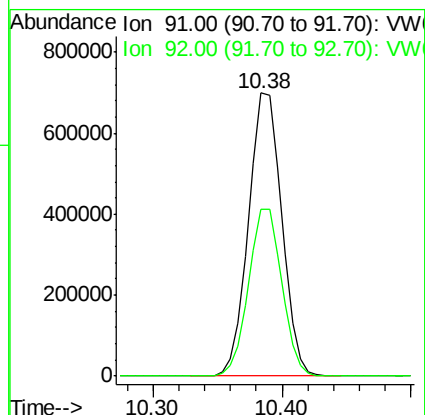
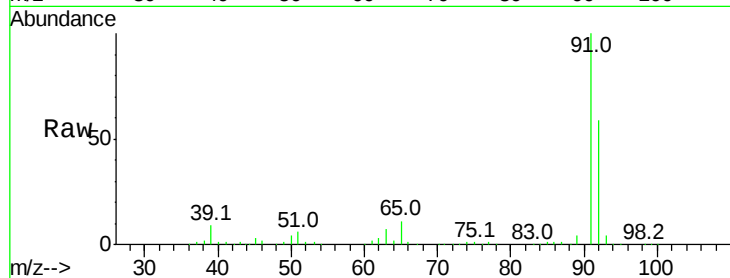
VSTD05006

Tgt Ion: 91 Resp: 1246141

Ion Ratio Lower Upper

91 100

92 59.1 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 63.758 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013617.D

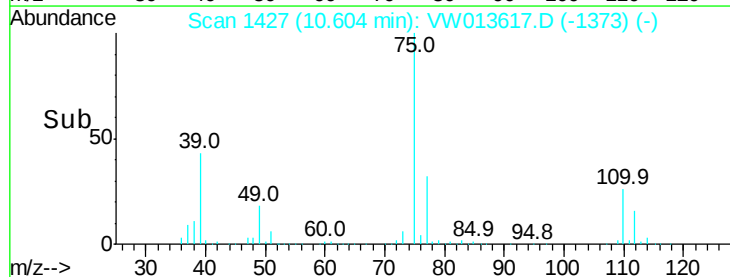
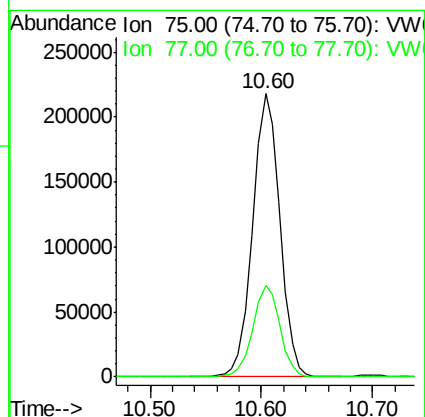
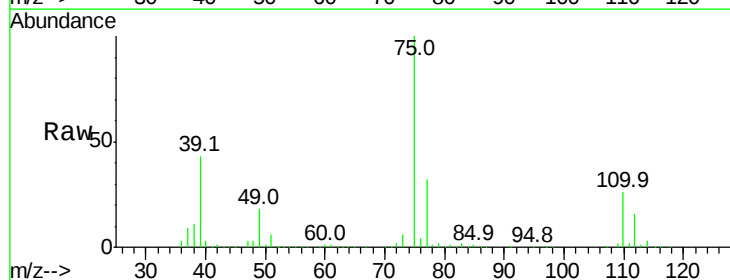
Acq: 18 Oct 2019 11:16

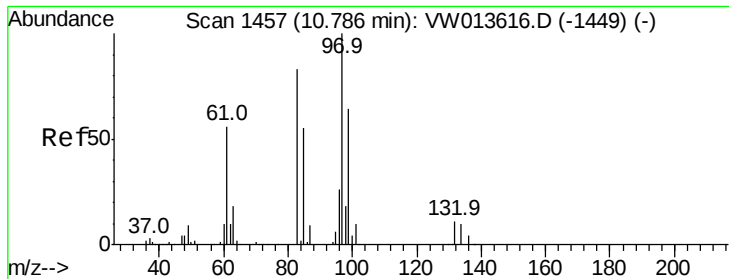
Tgt Ion: 75 Resp: 372001

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0

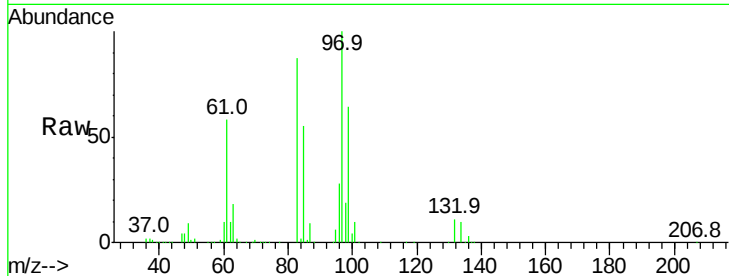




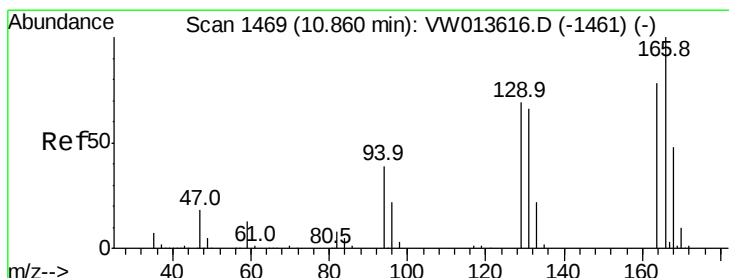
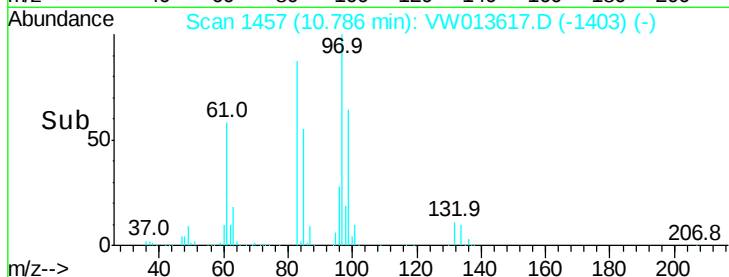
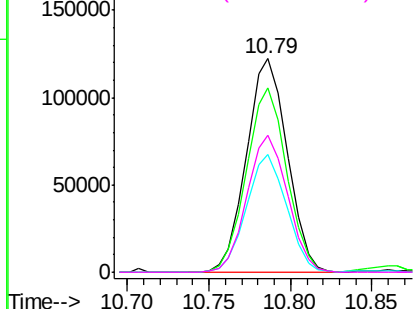
#46
 1,1,2-Trichloroethane
 Concen: 60.948 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tgt Ion: 97 Resp: 213092
 Ion Ratio Lower Upper
 97 100
 83 86.5 57.7 107.3
 85 55.1 38.6 71.6
 99 64.4 44.7 82.9

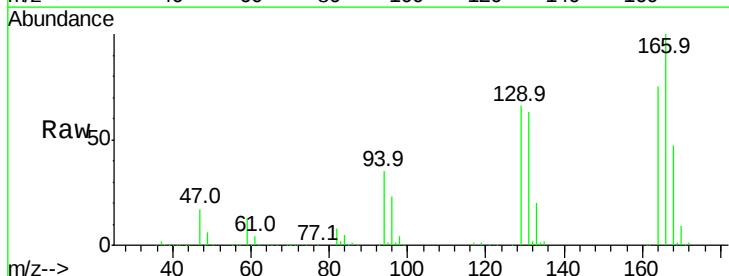


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

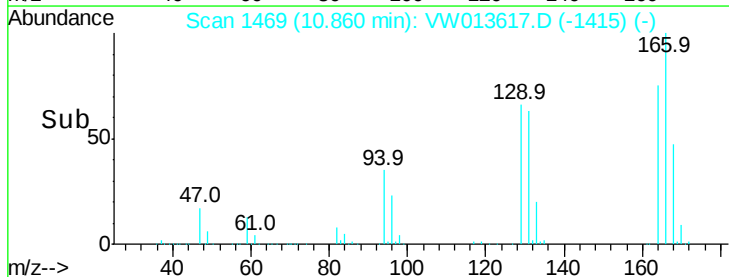
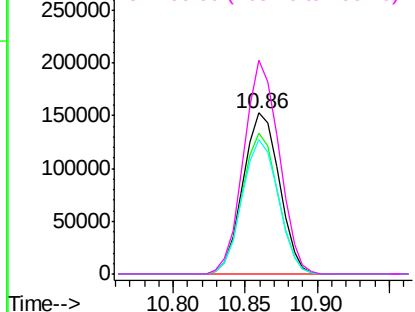


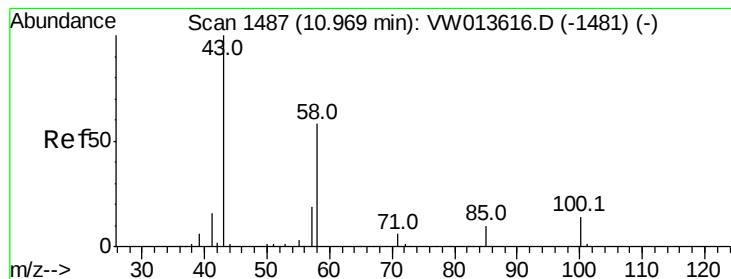
#47
 Tetrachloroethene
 Concen: 58.703 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Tgt Ion: 164 Resp: 266820
 Ion Ratio Lower Upper
 164 100
 129 87.3 61.8 114.8
 131 83.5 59.2 110.0
 166 132.8 89.2 165.8



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: 124.182 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 43 Resp: 290040

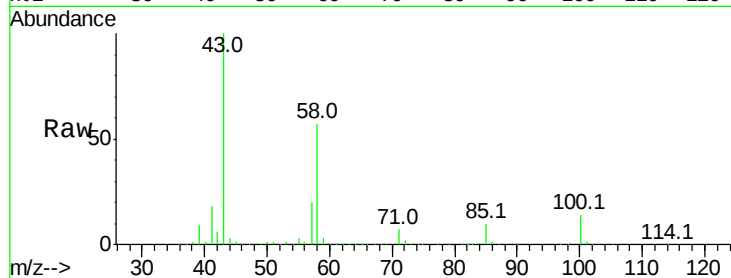
Ion Ratio Lower Upper

43 100

58 56.1 45.8 68.6

57 19.7 15.4 23.2

100 13.8 10.8 16.2

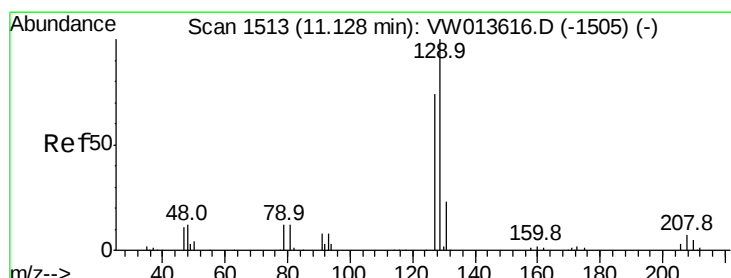
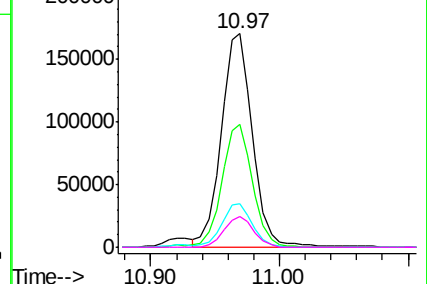
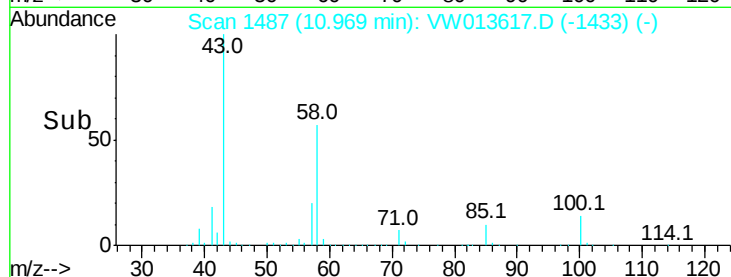


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 63.574 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013617.D

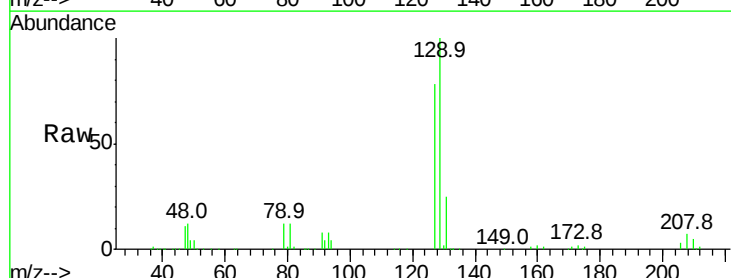
Acq: 18 Oct 2019 11:16

Tgt Ion: 129 Resp: 261704

Ion Ratio Lower Upper

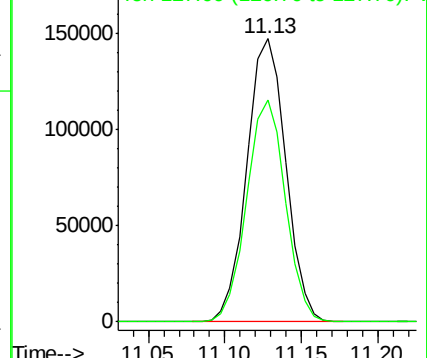
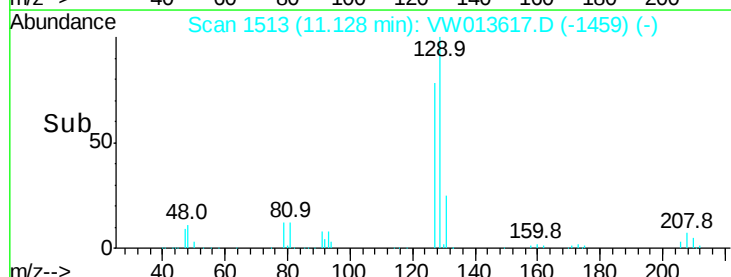
129 100

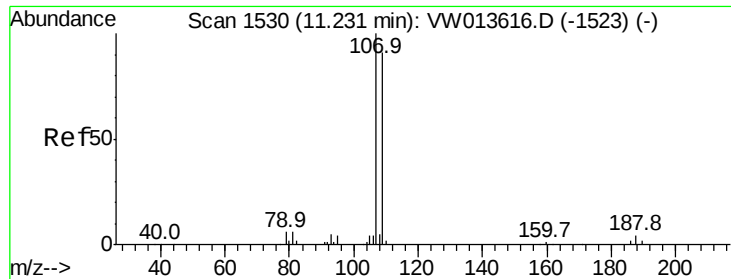
127 78.2 51.4 95.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

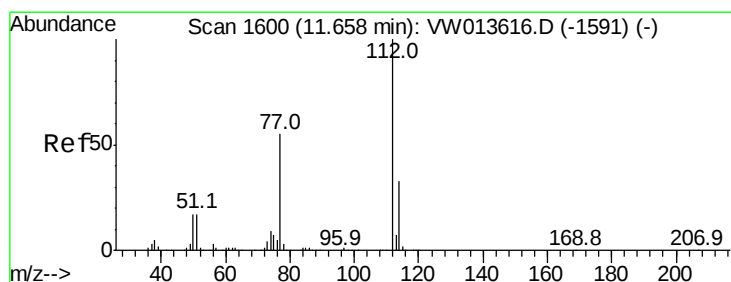
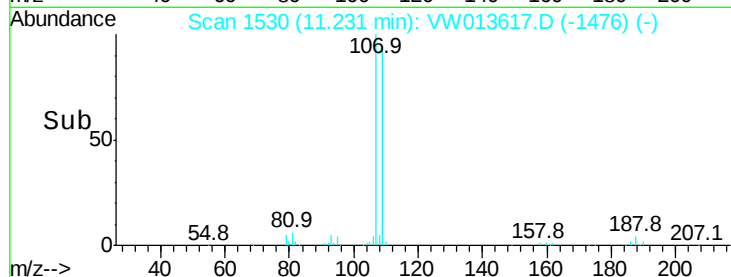
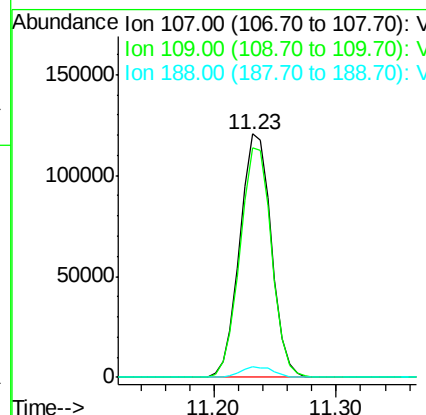
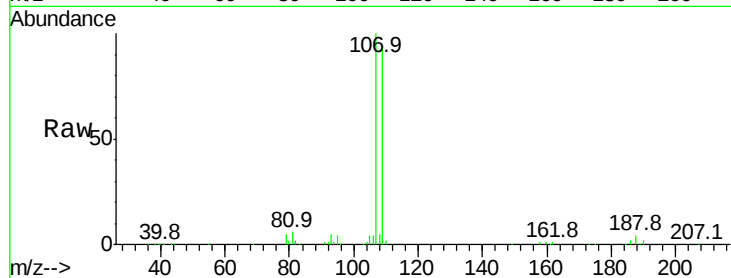




#51
1,2-Dibromoethane
Concen: 62.505 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

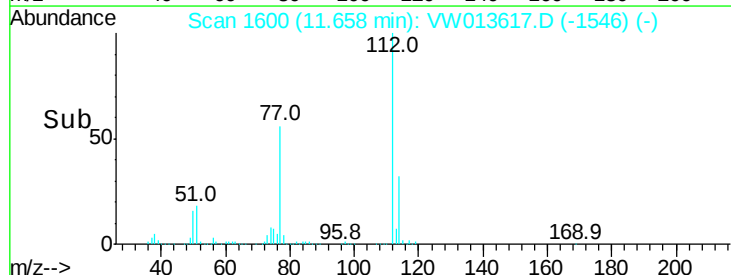
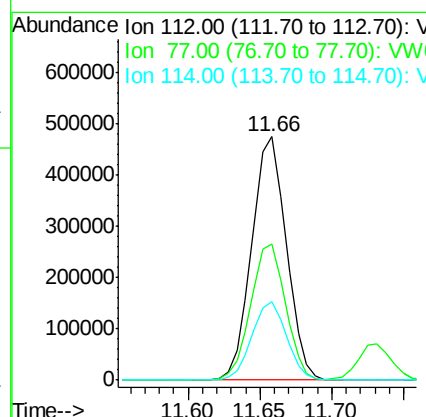
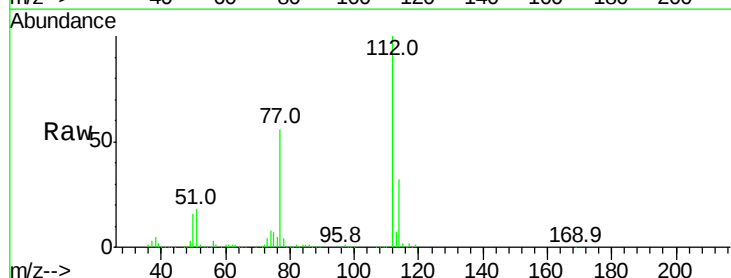
Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

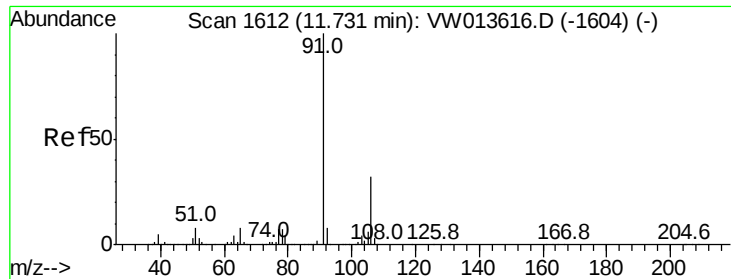
Tgt Ion:107 Resp: 214674
Ion Ratio Lower Upper
107 100
109 94.5 64.0 118.8
188 4.2 3.4 5.2



#52
Chlorobenzene
Concen: 59.973 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013617.D
Acq: 18 Oct 2019 11:16

Tgt Ion:112 Resp: 788668
Ion Ratio Lower Upper
112 100
77 55.8 44.1 66.1
114 32.2 23.4 43.4





#53

Ethylbenzene

Concen: 60.246 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

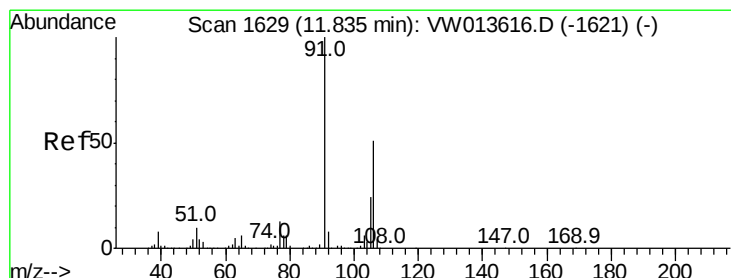
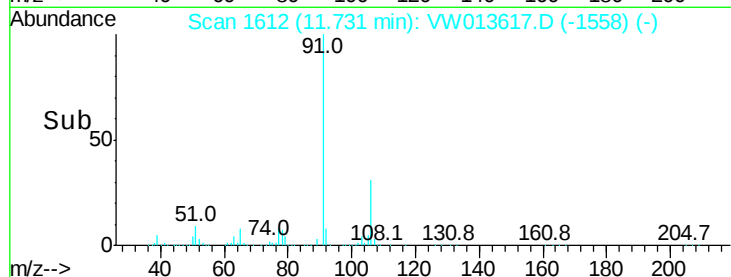
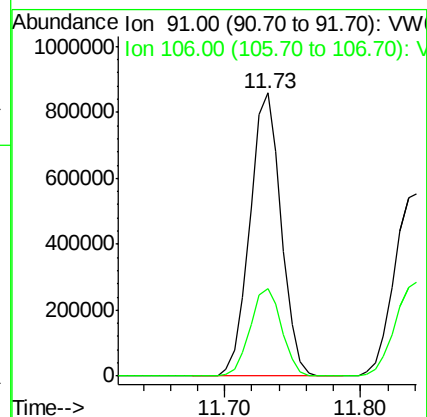
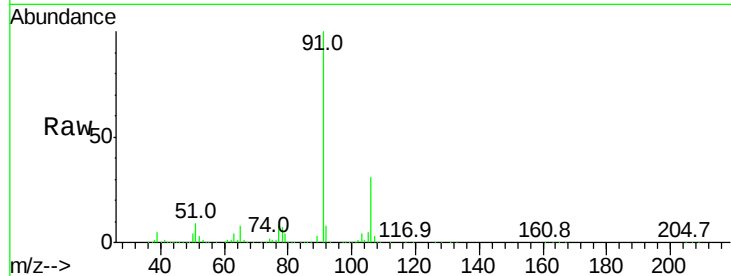
VSTD05006

Tgt Ion: 91 Resp: 1381790

Ion Ratio Lower Upper

91 100

106 30.8 22.3 41.3



#54

m,p-Xylene

Concen: 59.283 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013617.D

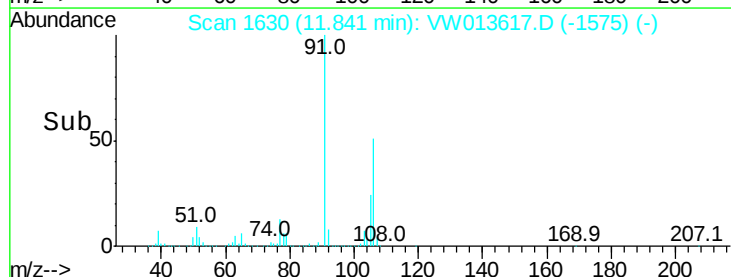
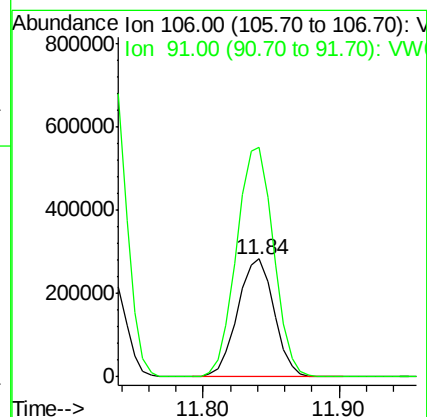
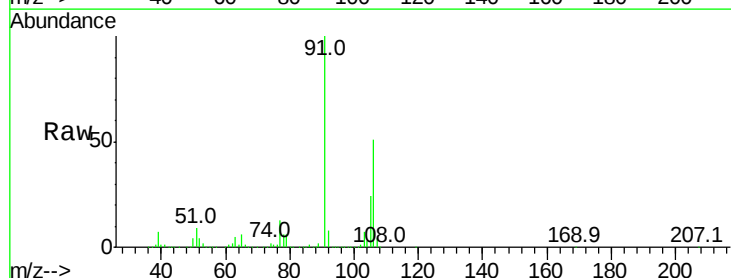
Acq: 18 Oct 2019 11:16

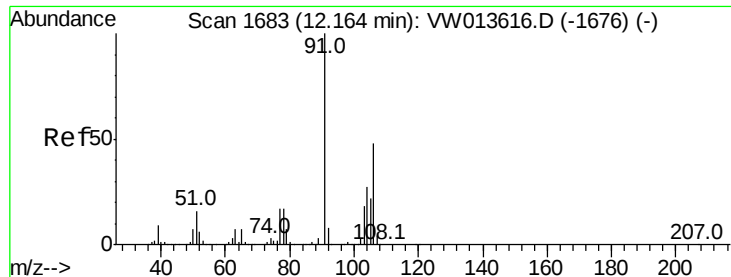
Tgt Ion: 106 Resp: 530416

Ion Ratio Lower Upper

106 100

91 194.6 137.7 255.7





#55

o-xylene

Concen: 61.369 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

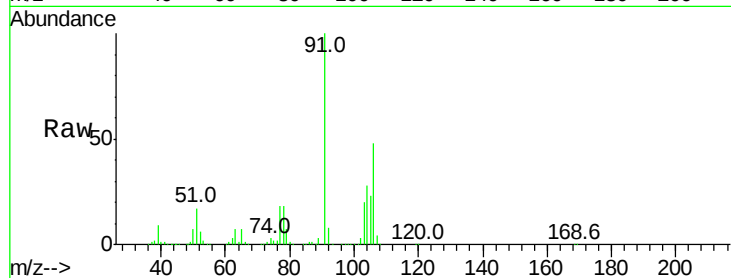
VSTD05006

Tgt Ion:106 Resp: 512542

Ion Ratio Lower Upper

106 100

91 208.5 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

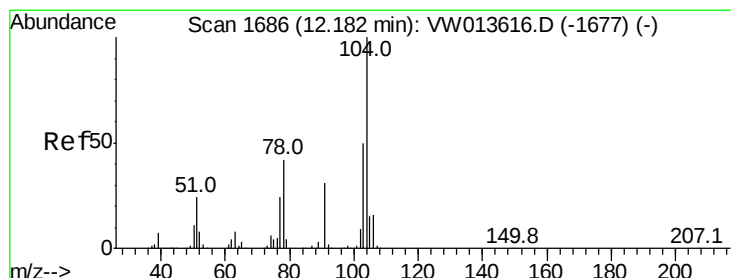
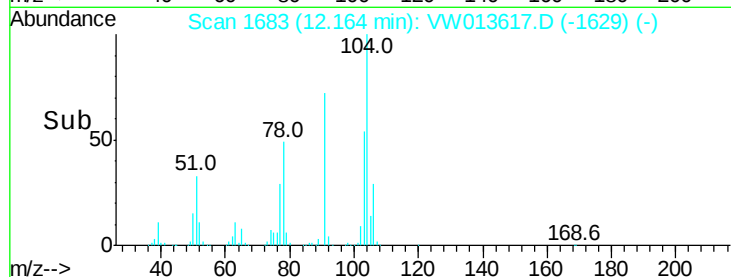
400000

200000

0

12.16

Time-->



#56

Styrene

Concen: 62.093 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013617.D

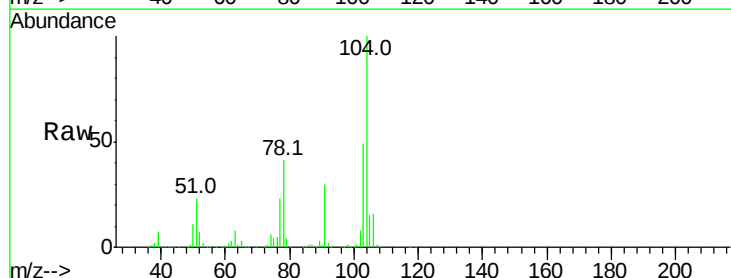
Acq: 18 Oct 2019 11:16

Tgt Ion:104 Resp: 883191

Ion Ratio Lower Upper

104 100

78 41.2 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

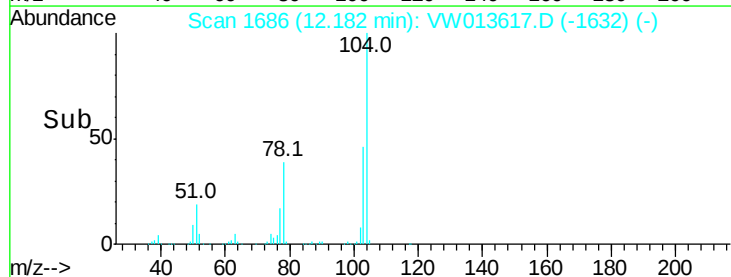
200000

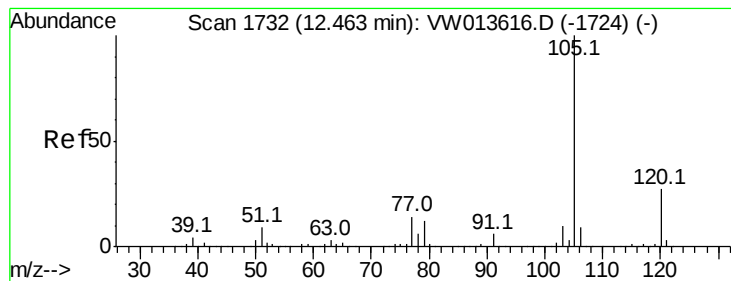
100000

0

12.18

Time-->





#57

Isopropylbenzene

Concen: 60.225 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

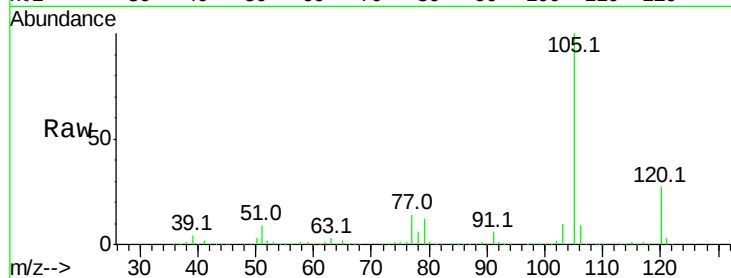
Tgt Ion:105 Resp: 1364487

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

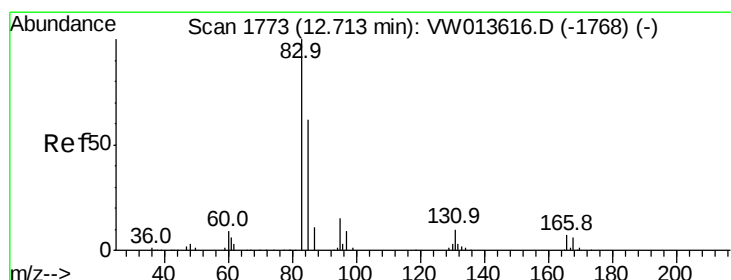
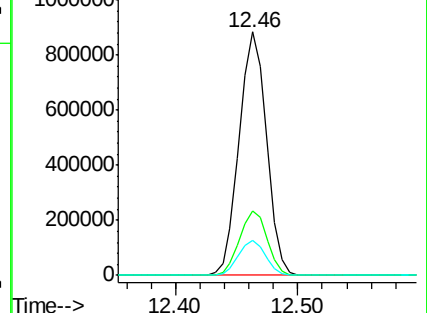
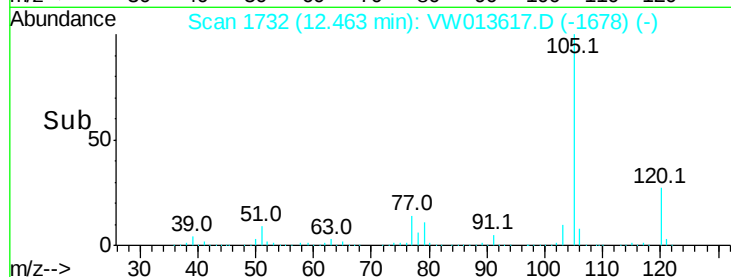
77 14.3 11.4 17.0



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: 61.609 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

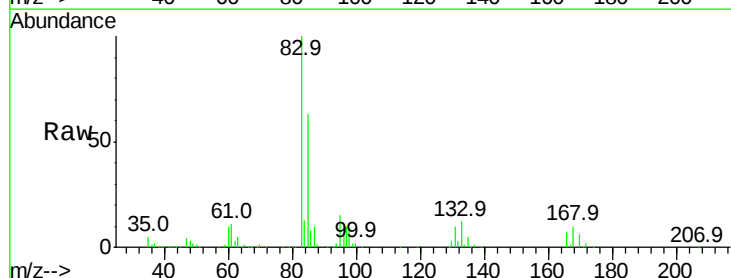
Tgt Ion: 83 Resp: 254492

Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.3

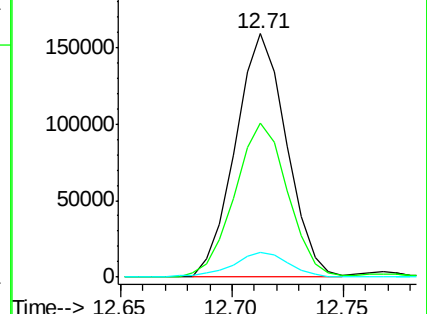
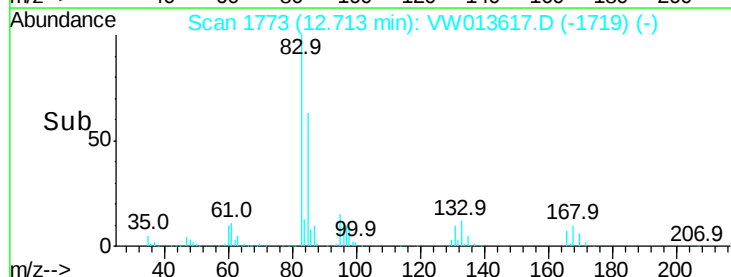
131 10.2 8.6 13.0

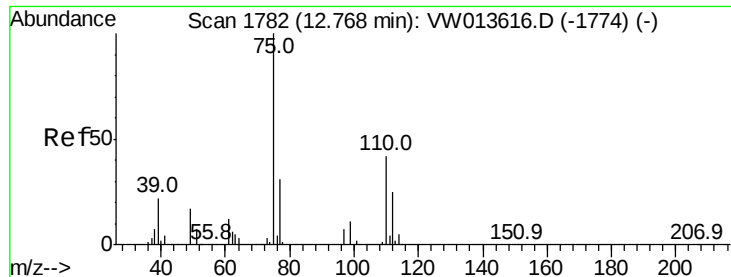


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 61.613 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

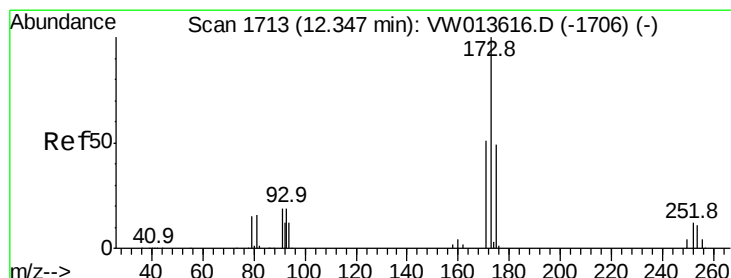
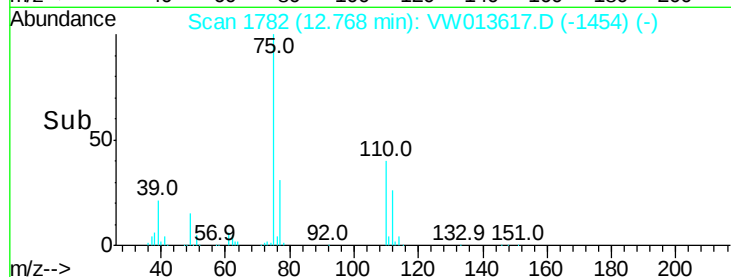
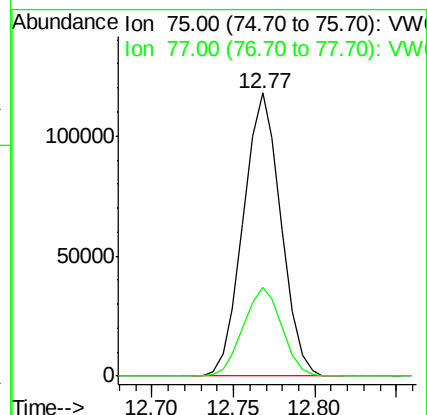
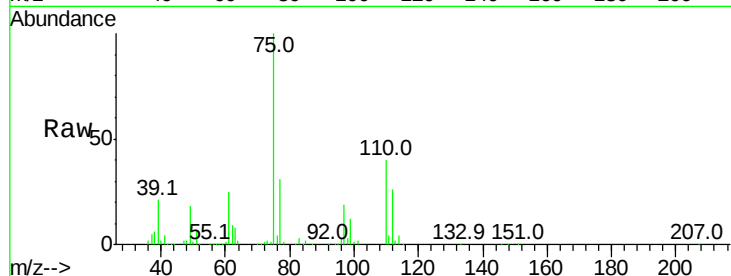
VSTD05006

Tgt Ion: 75 Resp: 190041

Ion Ratio Lower Upper

75 100

77 32.1 26.4 39.6



#62

Bromoform

Concen: 55.113 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

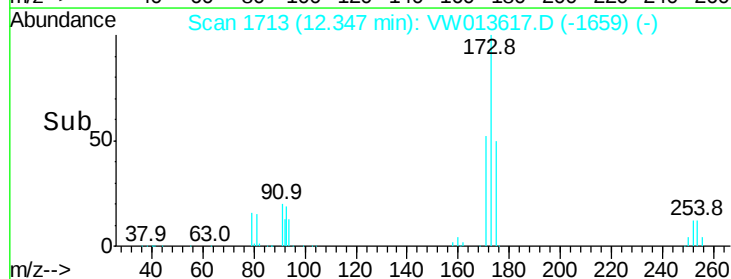
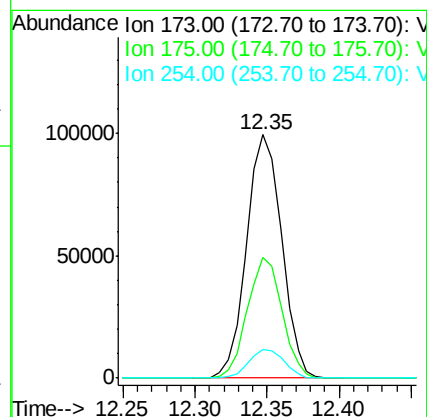
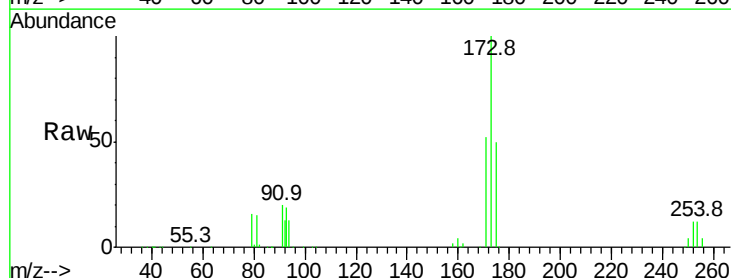
Tgt Ion: 173 Resp: 168156

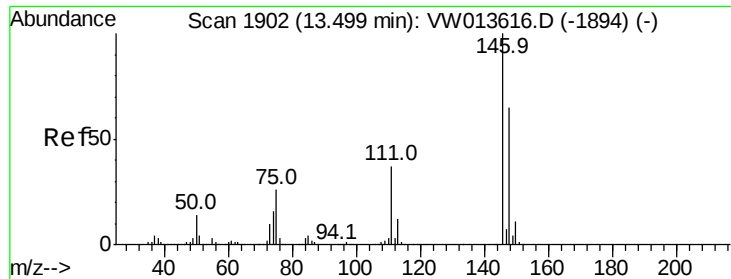
Ion Ratio Lower Upper

173 100

175 48.7 39.1 58.7

254 11.8 9.6 14.4

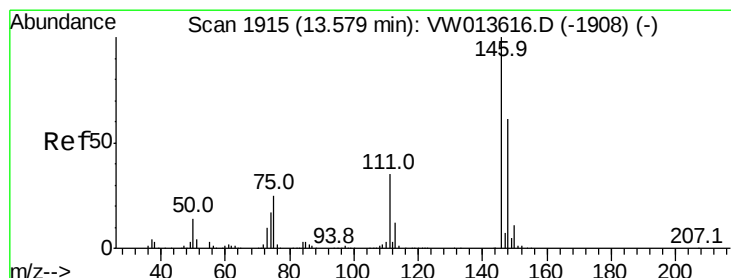
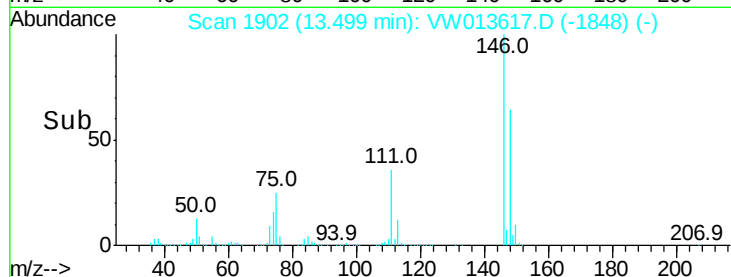
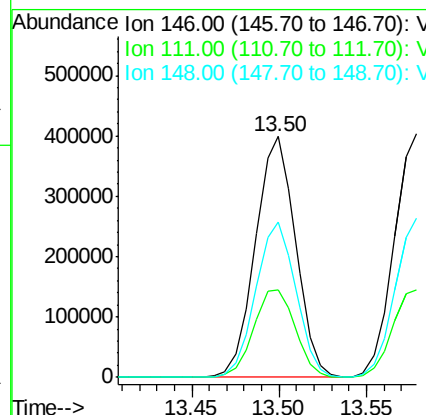
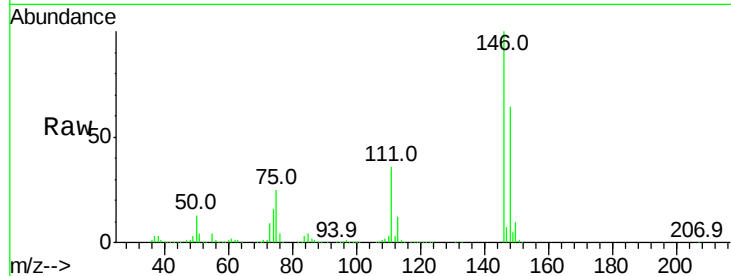




#63
 1,3-Dichlorobenzene
 Concen: 50.111 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

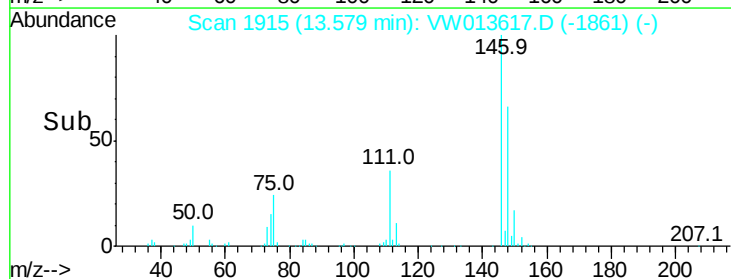
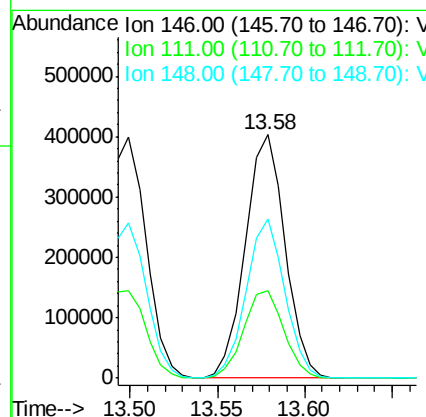
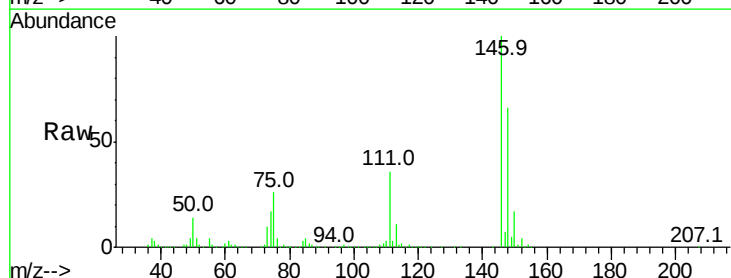
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

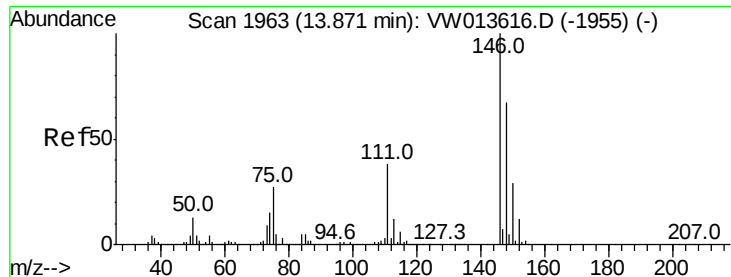
Tgt Ion:146 Resp: 636988
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.1 48.5
 148 64.3 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 50.334 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Tgt Ion:146 Resp: 636900
 Ion Ratio Lower Upper
 146 100
 111 35.8 24.8 46.0
 148 65.6 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 50.613 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

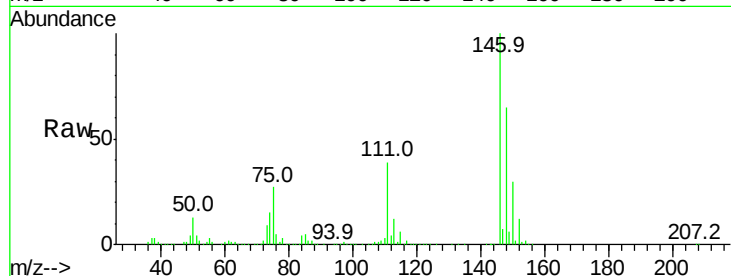
Tgt Ion:146 Resp: 578479

Ion Ratio Lower Upper

146 100

111 38.5 30.7 46.1

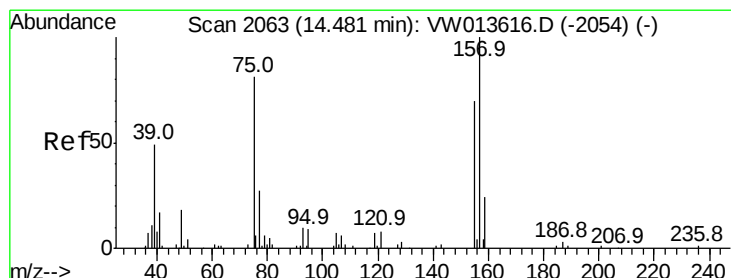
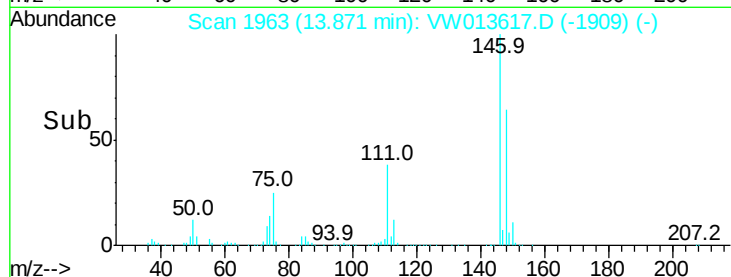
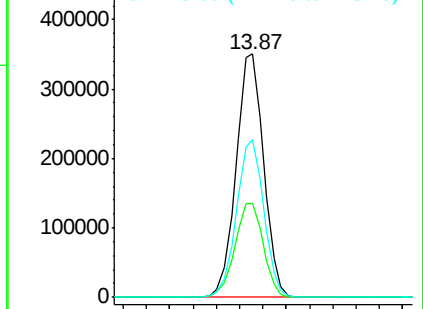
148 64.6 53.3 79.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.383 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

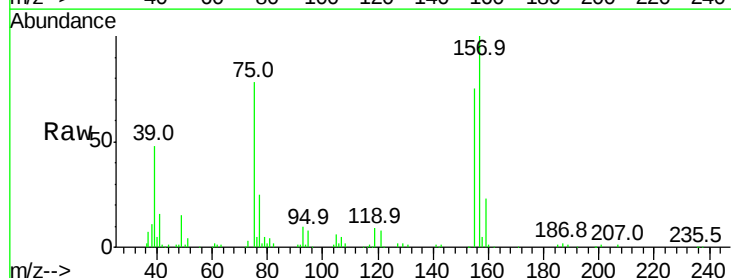
Tgt Ion: 75 Resp: 41332

Ion Ratio Lower Upper

75 100

157 128.9 99.4 149.0

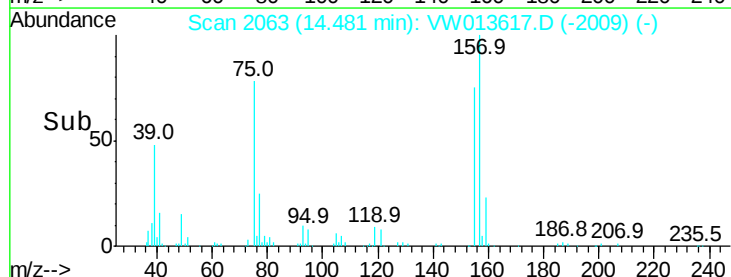
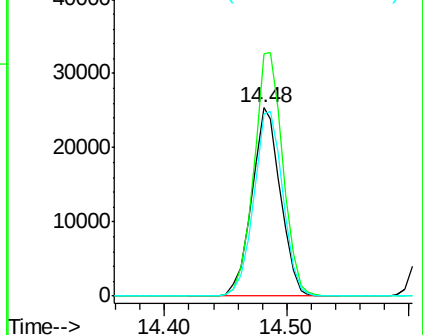
155 96.7 69.7 104.5

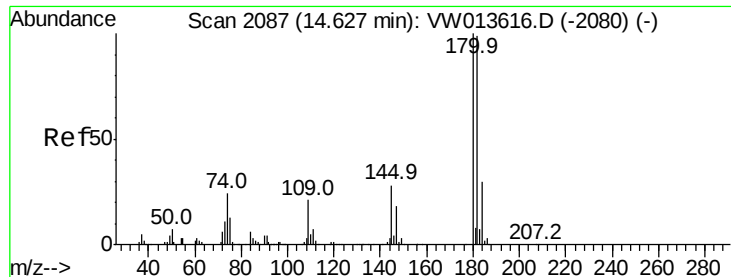


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

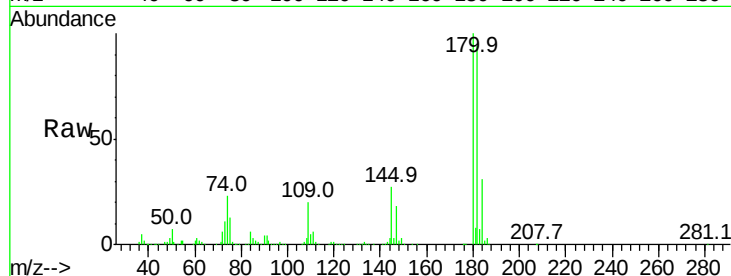




#67
 1,3,5-Trichlorobenzene
 Concen: 50.823 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	487606		
182	95.5	76.2	114.4	
184	30.8	24.1	36.1	
145	27.1	21.8	32.8	



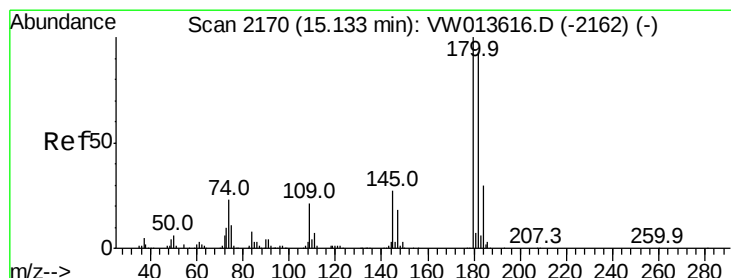
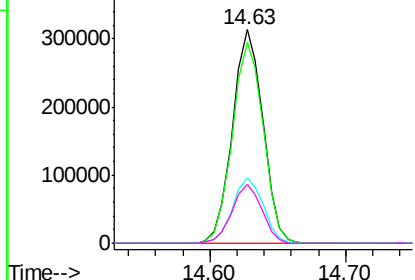
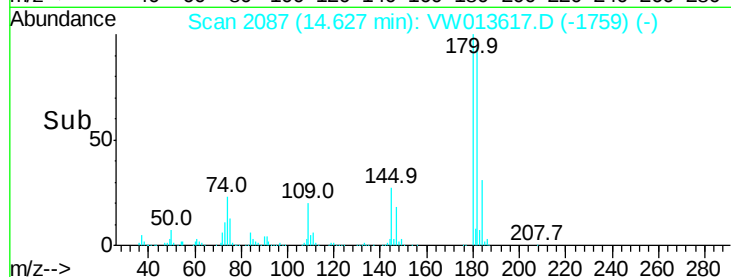
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

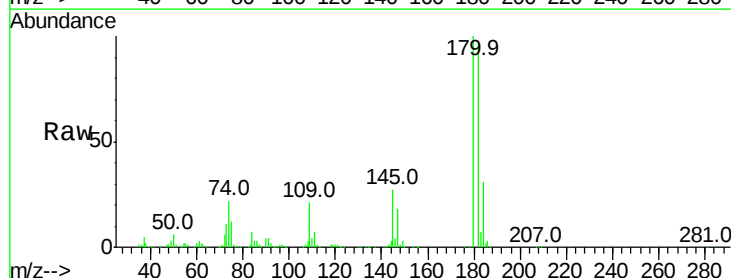
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.025 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013617.D
 Acq: 18 Oct 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	429611		
182	94.7	75.8	113.8	
145	27.3	22.6	34.0	

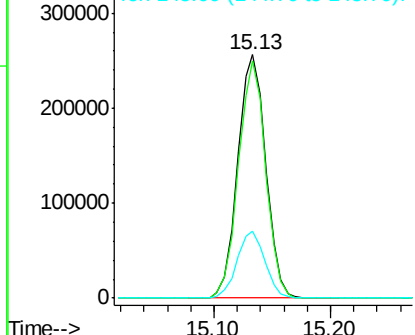
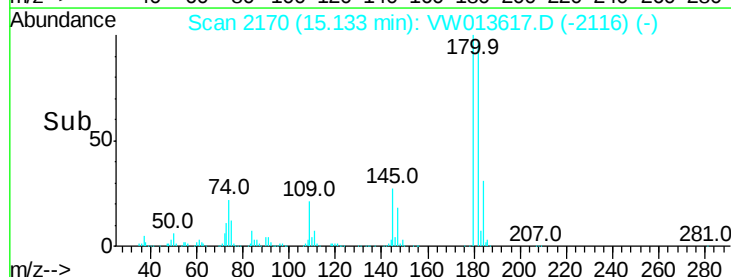


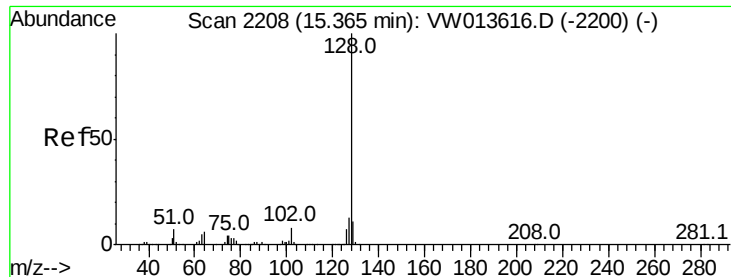
Abundance

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





#69

Naphthalene

Concen: 55.806 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

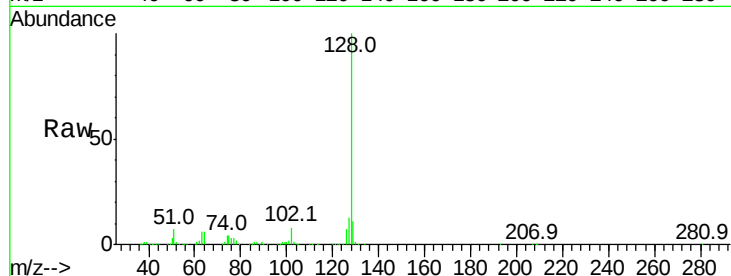
Tgt Ion:128 Resp: 808298

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

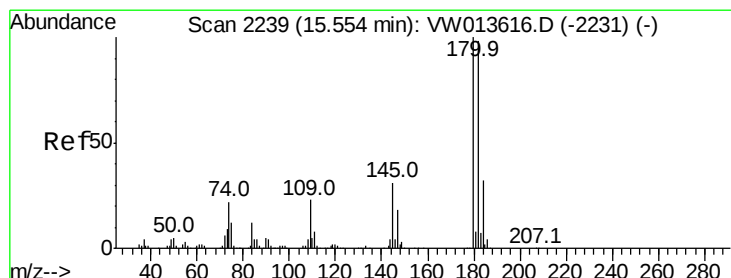
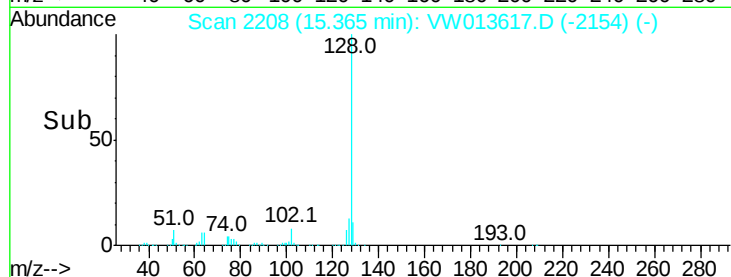
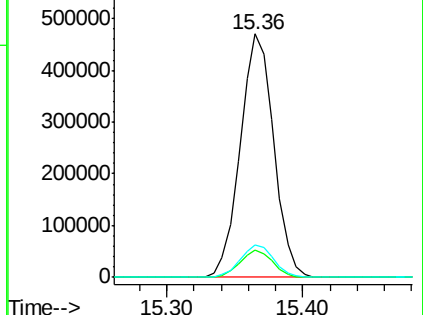
127 13.2 10.5 15.7



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: 53.275 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013617.D

Acq: 18 Oct 2019 11:16

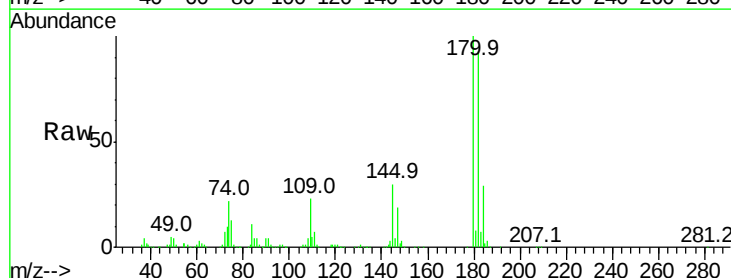
Tgt Ion:180 Resp: 377240

Ion Ratio Lower Upper

180 100

182 97.4 77.0 115.4

145 30.0 24.1 36.1



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

