

Data File : VW009661.D
Acq On : 03 Apr 2019 13:20
Operator : SY/VA
Sample : VSTD02512
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Quant Time: Apr 03 14:24:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:19:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	519437	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	503190	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	258532	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	159084	25.63	ug/L	0.00
7) Chloroethane-d5	2.89	69	152909	21.05	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	361961	26.98	ug/L	0.00
20) 2-Butanone-d5	7.08	46	107542	41.89	ug/L	0.00
24) Chloroform-d	7.64	84	344828	24.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	211231	24.74	ug/L	0.00
29) Benzene-d6	8.27	84	648701	23.38	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	193482	23.21	ug/L	0.00
37) Toluene-d8	10.32	98	607100	23.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	96287	23.00	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	81303	40.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	186969	22.78	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	220133	22.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	180242	26.341 ug/L	96
3) Chloromethane	2.22	50	172919	23.818 ug/L	98
5) Vinyl chloride	2.37	62	226428	30.301 ug/L	97
6) Bromomethane	2.78	94	160975	25.713 ug/L	99
8) Chloroethane	2.93	64	151678	24.534 ug/L	92
9) Trichlorofluoromethane	3.26	101	141070	23.900 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	179170	26.284 ug/L	94
12) 1,1-Dichloroethene	4.03	96	178495	27.905 ug/L	94
13) Acetone	4.12	43	113199	53.773 ug/L	97
14) Carbon disulfide	4.38	76	561199	32.600 ug/L	100
15) Methyl Acetate	4.67	43	108118	26.143 ug/L	99
16) Methylene chloride	4.92	84	200246	26.436 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	254895	28.163 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	185713	27.615 ug/L	94
19) 1,1-Dichloroethane	6.21	63	356659	29.086 ug/L	98
21) 2-Butanone	7.17	43	153828	52.922 ug/L	96
22) cis-1,2-Dichloroethene	7.16	96	199071	27.326 ug/L	95
23) Bromochloromethane	7.51	128	91843	26.285 ug/L	88
25) Chloroform	7.67	83	369617	28.783 ug/L	99
27) 1,2-Dichloroethane	8.40	62	281156	29.366 ug/L	99
30) Cyclohexane	7.95	56	325636	28.495 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	294827	29.336 ug/L	100
32) Carbon tetrachloride	8.06	117	294426	29.037 ug/L	97
34) Benzene	8.32	78	785866	28.533 ug/L	100
35) Trichloroethene	9.09	95	203120	27.677 ug/L	97
36) Methylcyclohexane	9.33	83	352244	27.743 ug/L	97
40) 1,2-Dichloropropane	9.37	63	199337	28.205 ug/L	99
41) Bromodichloromethane	9.64	83	276214	28.207 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	316154	27.466 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	318976	49.807 ug/L	99

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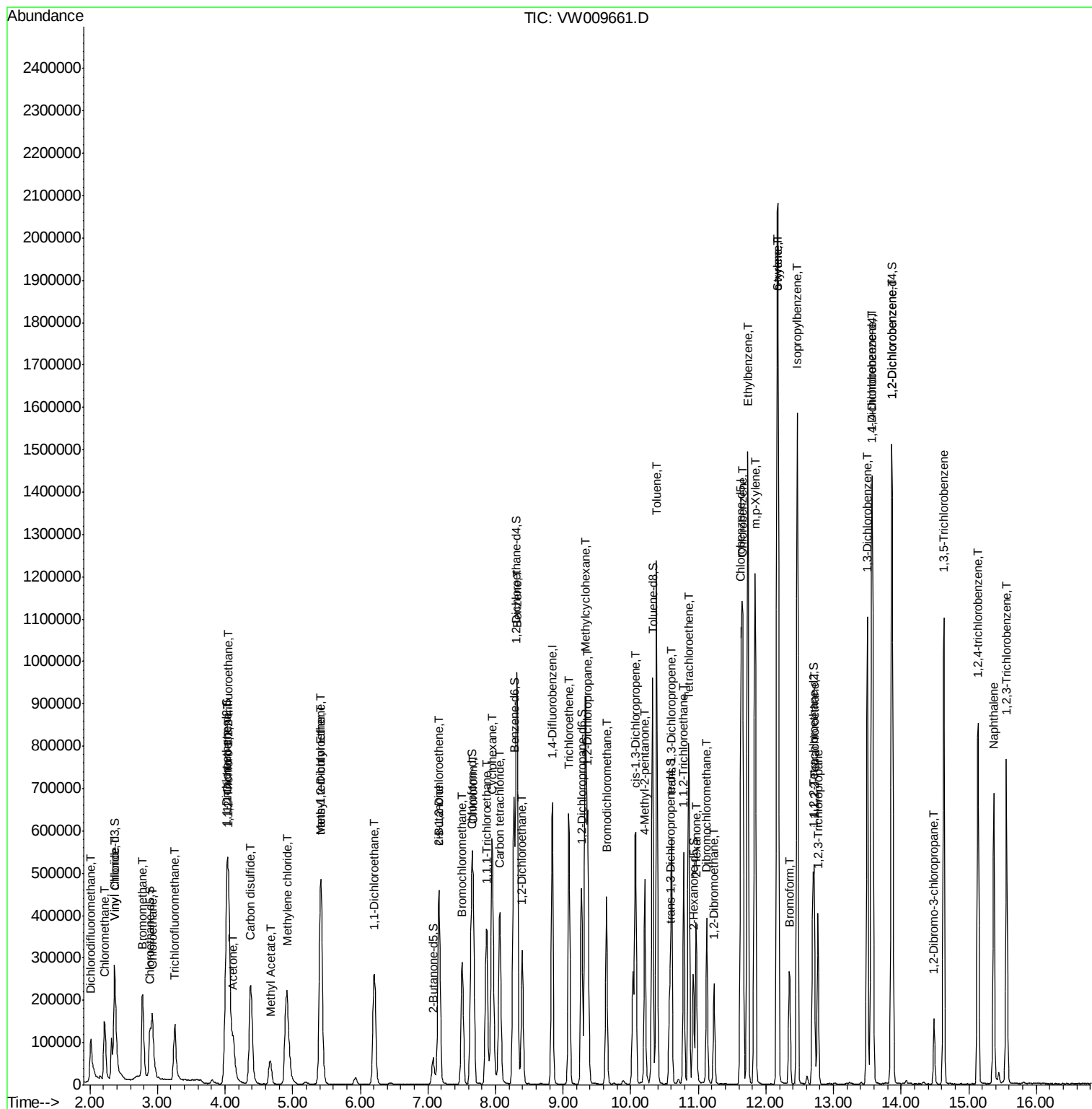
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	854251	28.368	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	280095	27.972	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	152930	27.123	ug/L	95
47) Tetrachloroethene	10.86	164	164469	26.523	ug/L	97
49) 2-Hexanone	10.97	43	238939	52.974	ug/L	99
50) Dibromochloromethane	11.13	129	189310	27.198	ug/L	94
51) 1,2-Dibromoethane	11.23	107	151251	26.461	ug/L	96
52) Chlorobenzene	11.66	112	531107	27.499	ug/L	97
53) Ethylbenzene	11.73	91	975714	28.820	ug/L	99
54) m,p-Xylene	11.84	106	361922	28.138	ug/L	93
55) o-xylene	12.16	106	349271	27.835	ug/L	99
56) Styrene	12.18	104	610946	28.536	ug/L	95
57) Isopropylbenzene	12.46	105	967450	28.782	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	200779	26.396	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	150169	26.602	ug/L	100
62) Bromoform	12.35	173	113357	25.950	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	408642	26.521	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	434556	27.279	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	395338	26.904	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	36508	25.351	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	309145	25.723	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	251790	24.942	ug/L	100
69) Naphthalene	15.37	128	529858	25.316	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	240494	25.435	ug/L	98

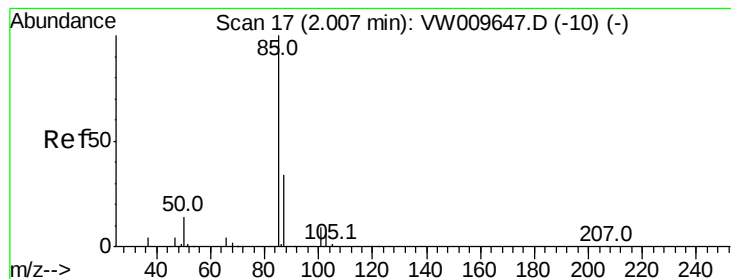
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.341 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009661.D

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Instrument :

MSVOA_W

ClientSampleId :

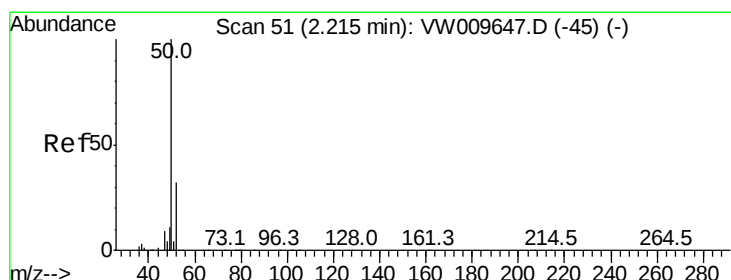
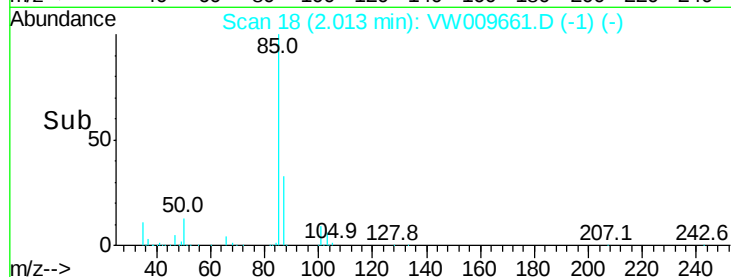
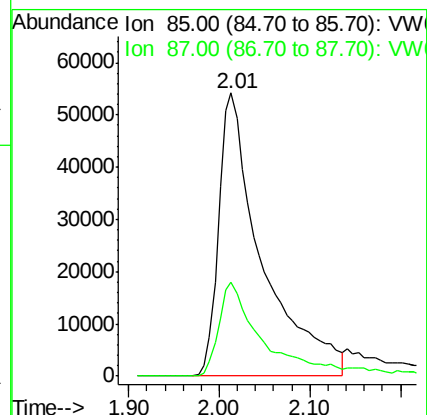
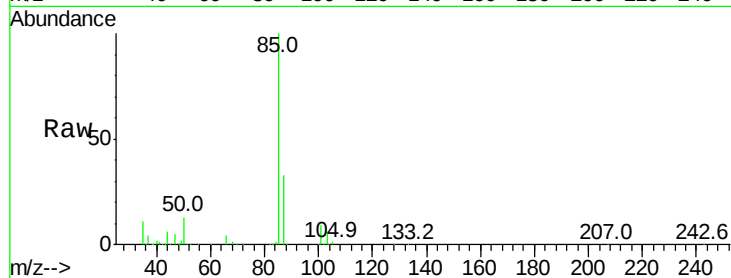
VSTD02512

Tgt Ion: 85 Resp: 180242

Ion Ratio Lower Upper

85 100

87 25.8 19.5 36.3



#3

Chloromethane

Concen: 23.818 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009661.D

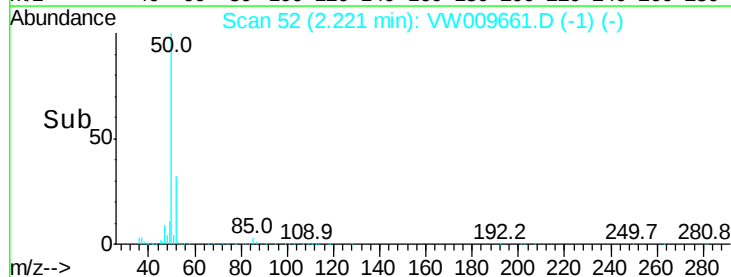
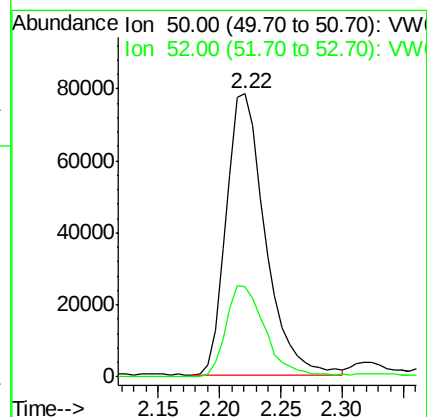
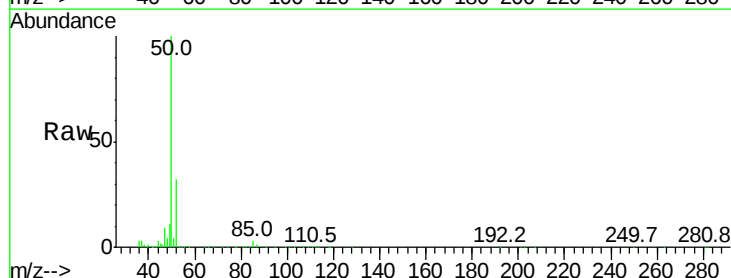
Acq: 03 Apr 2019 13:20

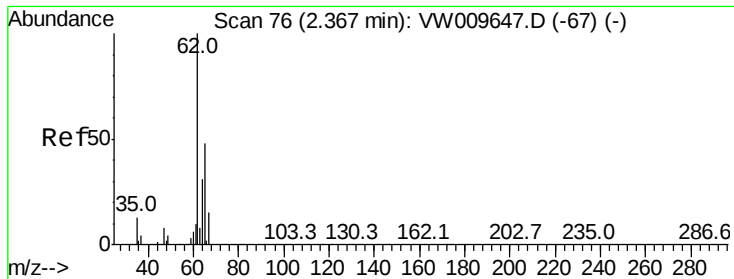
Tgt Ion: 50 Resp: 172919

Ion Ratio Lower Upper

50 100

52 31.8 21.6 40.2





#5

Vinyl chloride

Concen: 30.301 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

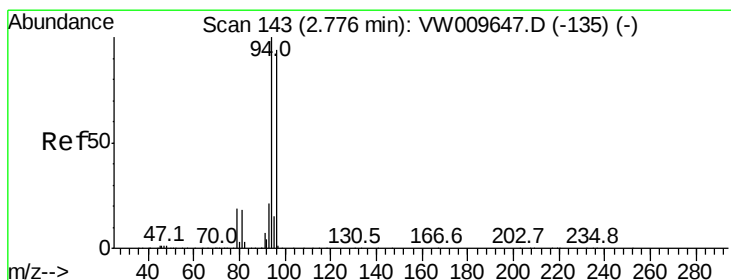
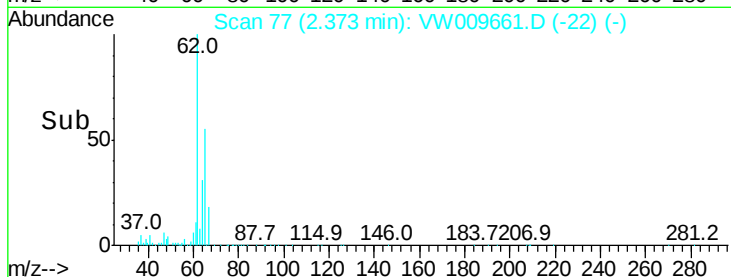
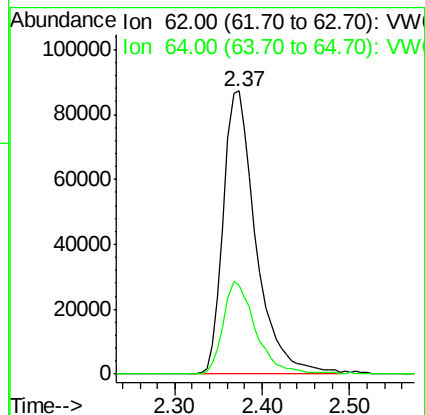
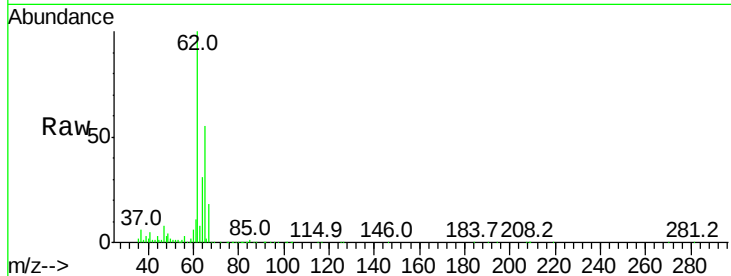
VSTD02512

Tgt Ion: 62 Resp: 226428

Ion Ratio Lower Upper

62 100

64 31.2 23.0 42.6



#6

Bromomethane

Concen: 25.713 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009661.D

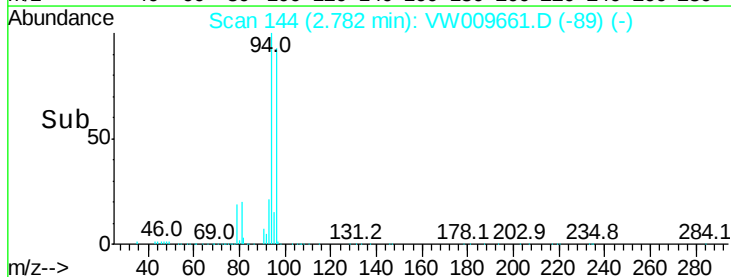
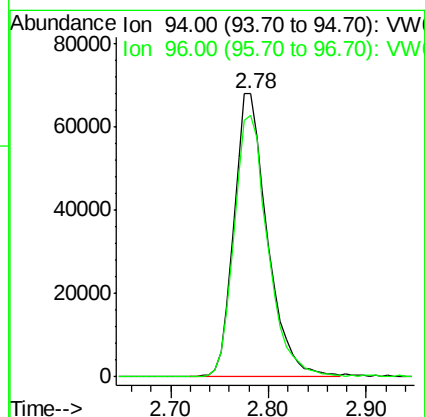
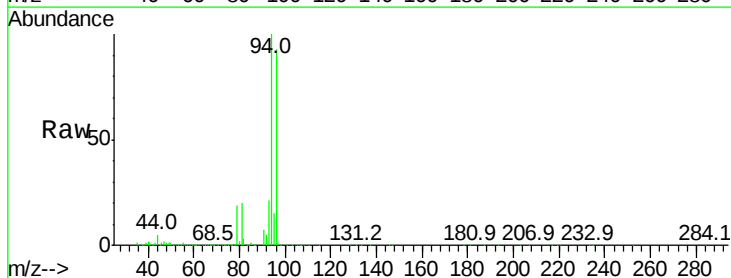
Acq: 03 Apr 2019 13:20

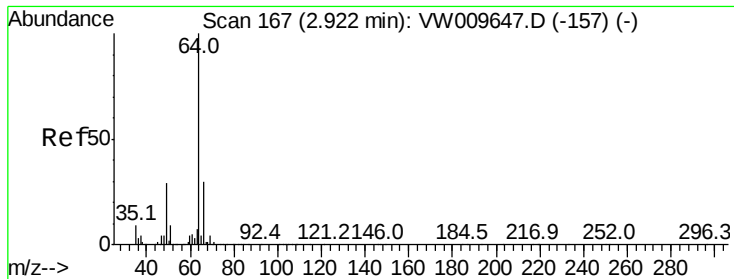
Tgt Ion: 94 Resp: 160975

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.4





#8

Chloroethane

Concen: 24.534 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

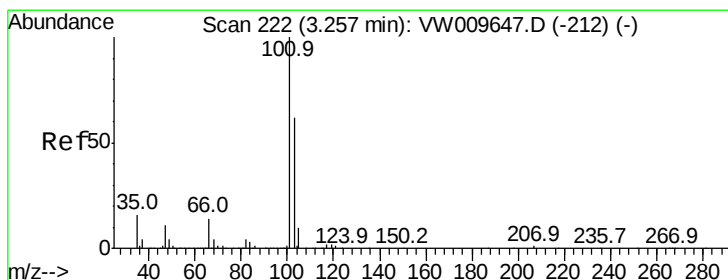
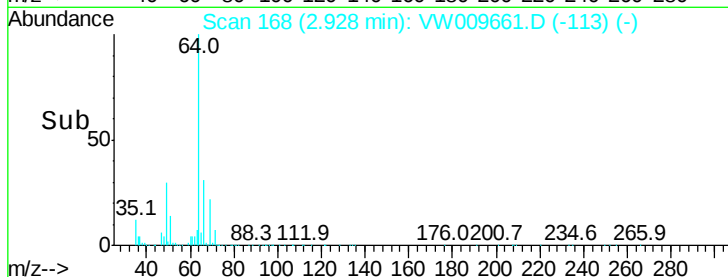
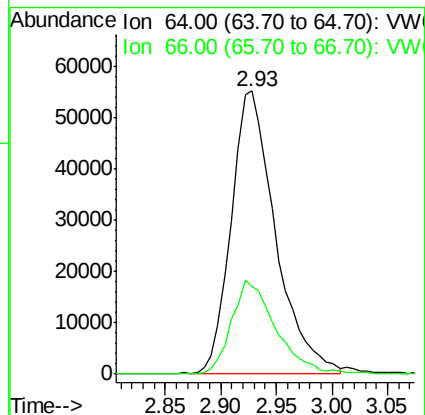
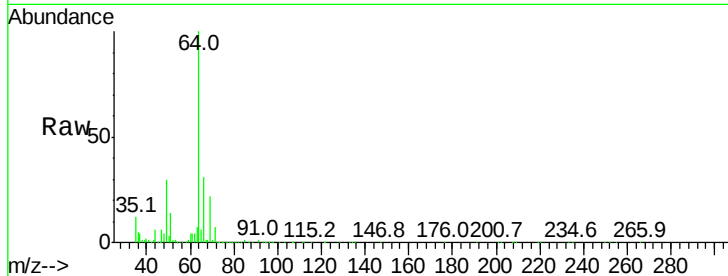
VSTD02512

Tgt Ion: 64 Resp: 151678

Ion Ratio Lower Upper

64 100

66 30.9 25.1 46.7



#9

Trichlorofluoromethane

Concen: 23.900 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009661.D

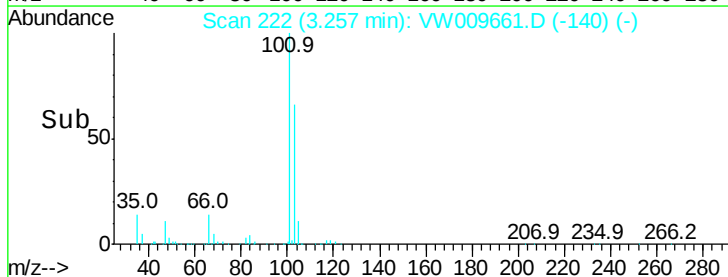
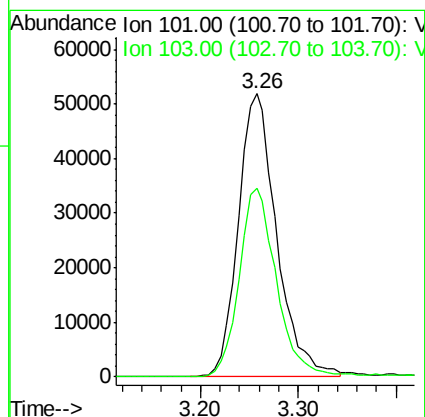
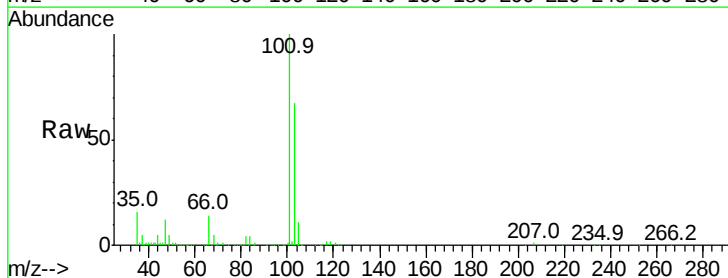
Acq: 03 Apr 2019 13:20

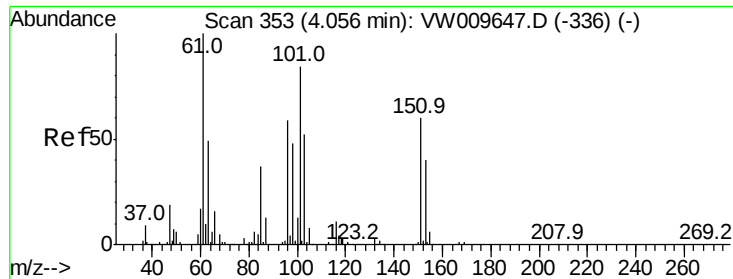
Tgt Ion: 101 Resp: 141070

Ion Ratio Lower Upper

101 100

103 64.4 45.0 83.6





#11

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

Concen: 26.284 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTD02512

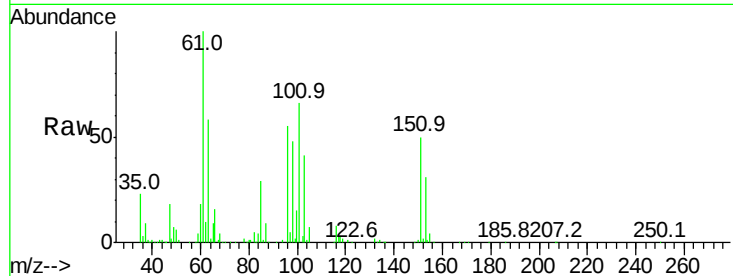
Tgt Ion: 101 Resp: 179170

Ion Ratio Lower Upper

101 100

85 47.2 32.6 48.8

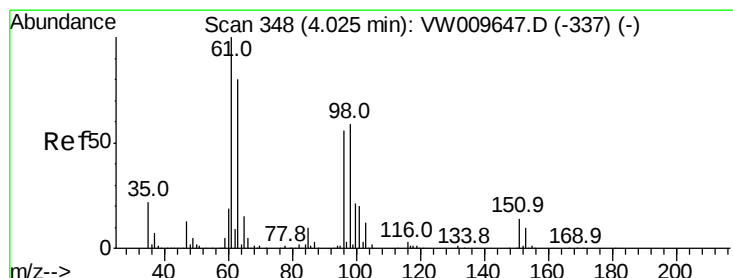
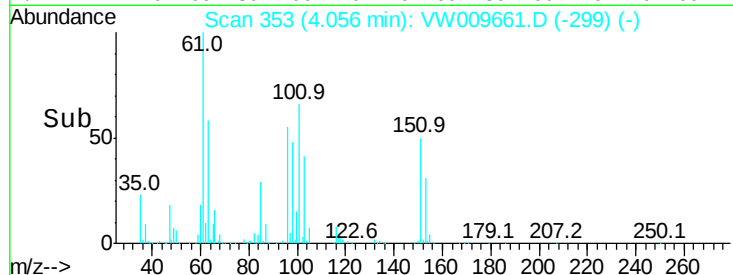
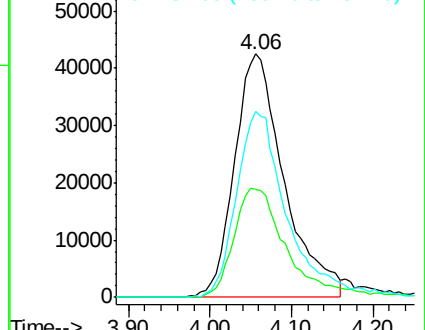
151 75.8 63.3 94.9



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: 27.905 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.01 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

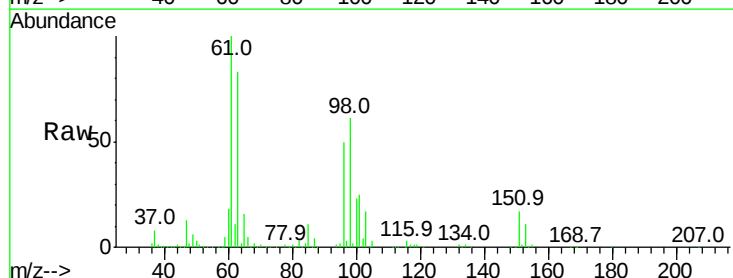
Tgt Ion: 96 Resp: 178495

Ion Ratio Lower Upper

96 100

61 198.3 129.4 240.2

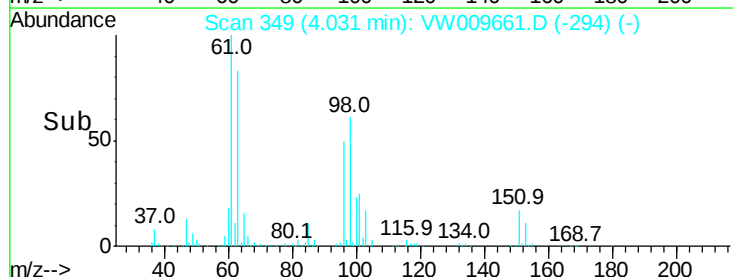
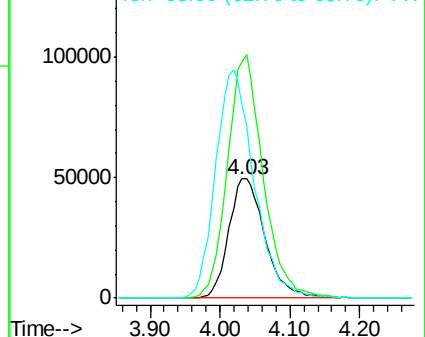
63 163.7 116.8 217.0

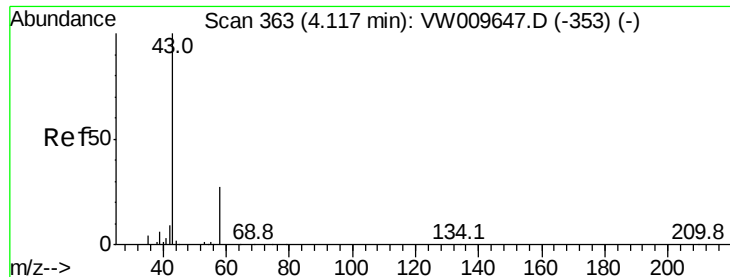


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.773 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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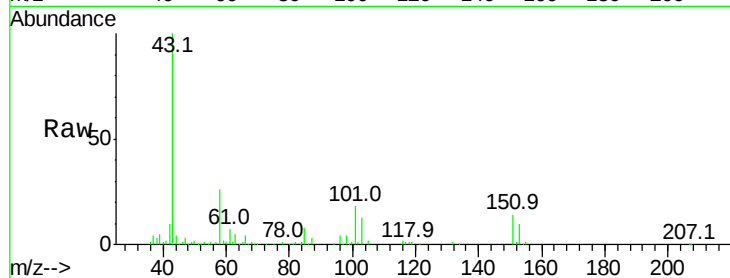
VSTD02512

Tgt Ion: 43 Resp: 113199

Ion Ratio Lower Upper

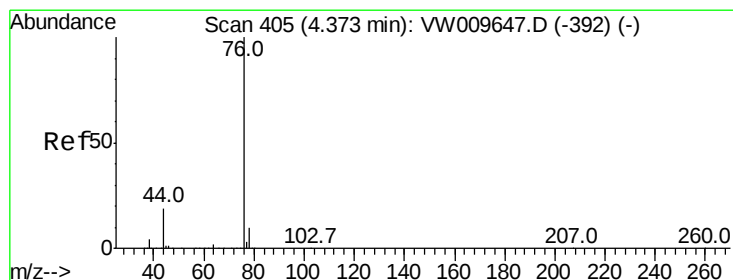
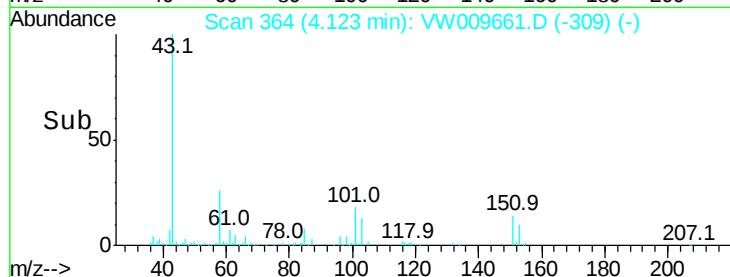
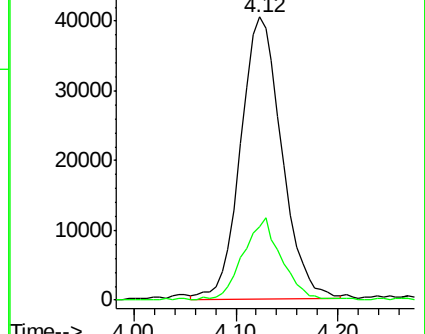
43 100

58 26.5 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 32.600 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009661.D

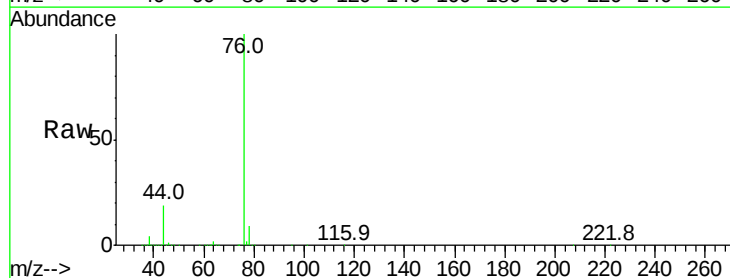
Acq: 03 Apr 2019 13:20

Tgt Ion: 76 Resp: 561199

Ion Ratio Lower Upper

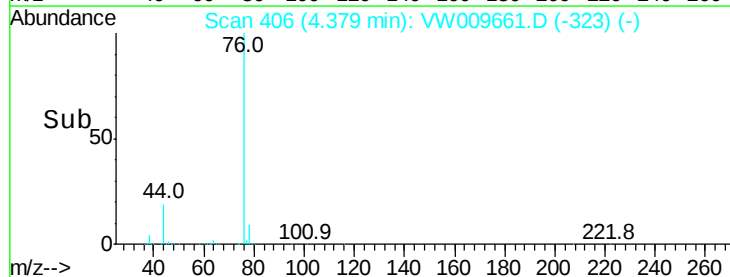
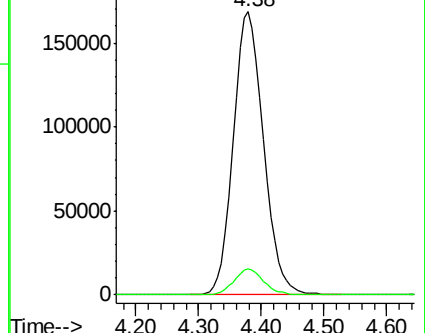
76 100

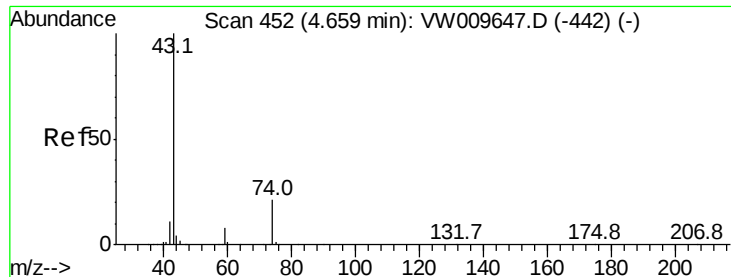
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

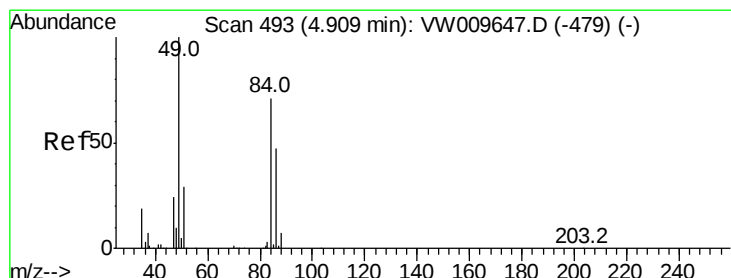
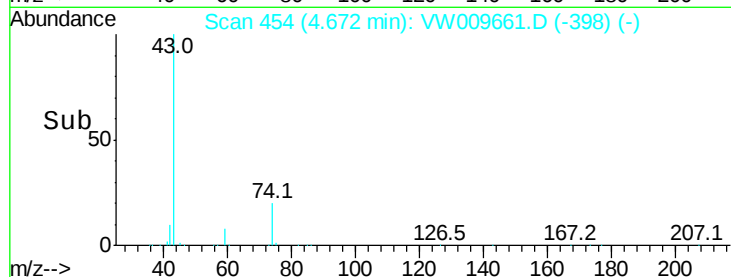
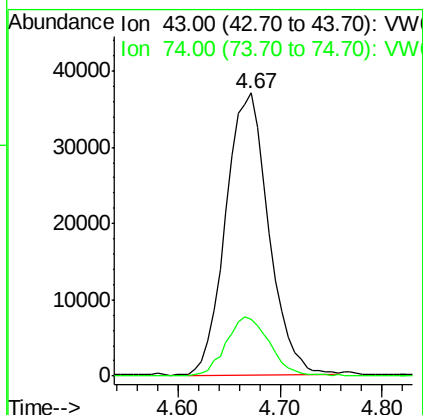
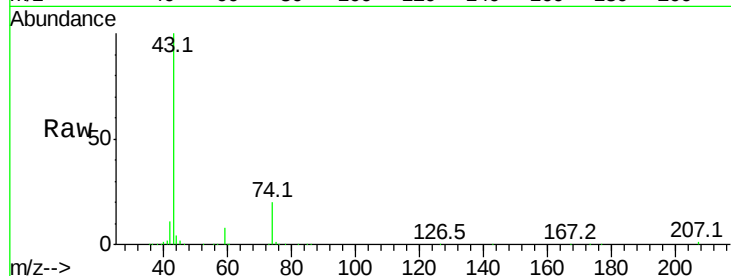




#15
Methyl Acetate
Concen: 26.143 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

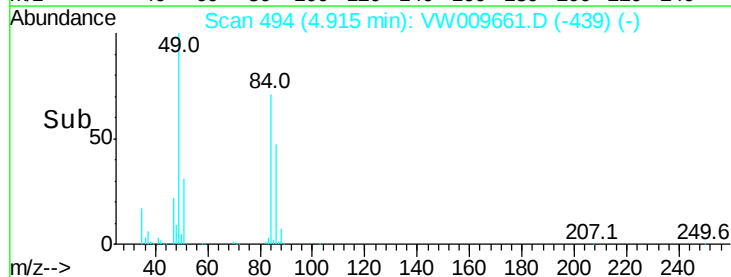
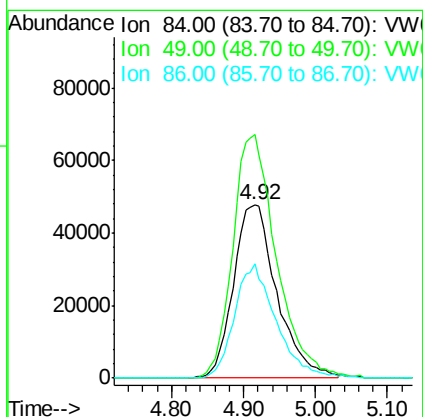
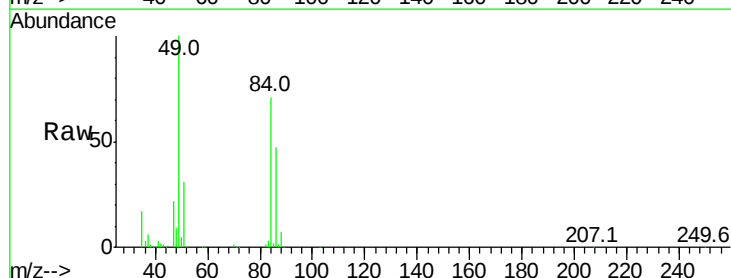
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

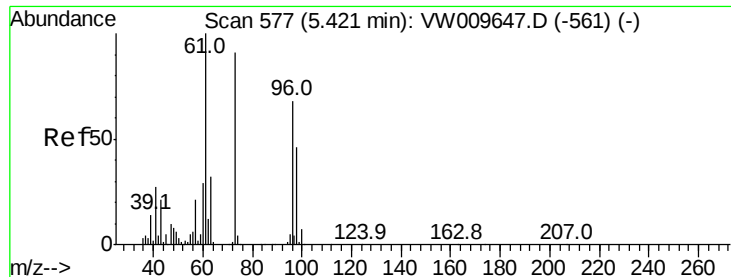
Tgt Ion: 43 Resp: 108118
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#16
Methylene chloride
Concen: 26.436 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

Tgt Ion: 84 Resp: 200246
Ion Ratio Lower Upper
84 100
49 140.4 96.0 178.2
86 66.3 44.4 82.5

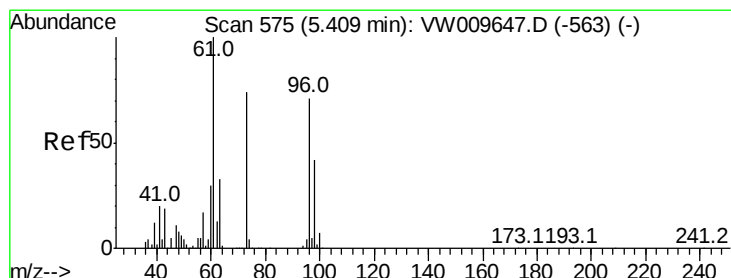
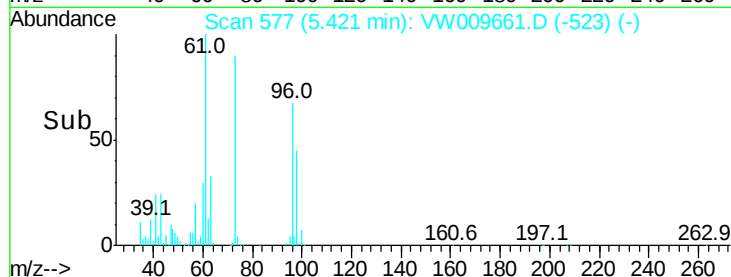
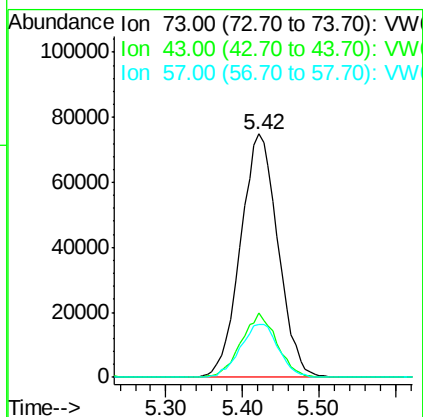
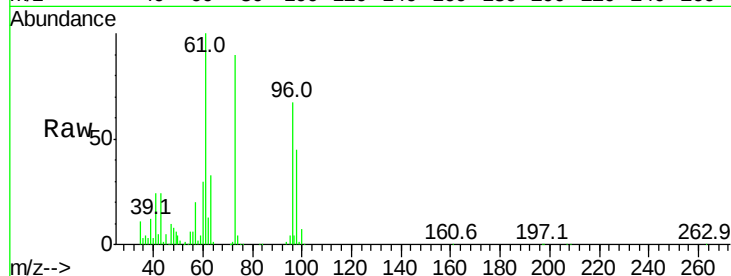




#17
Methyl tert-butyl Ether
Concen: 28.163 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

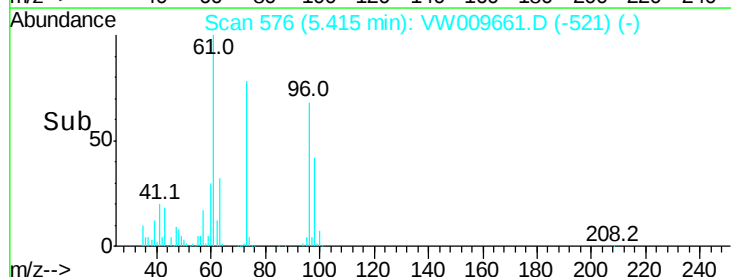
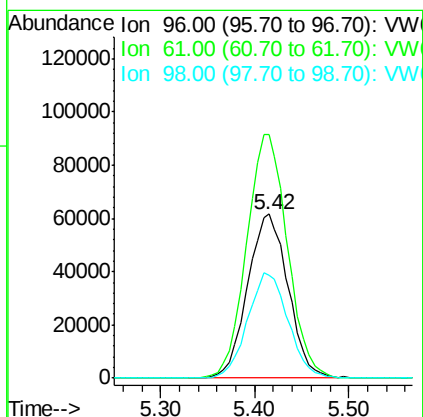
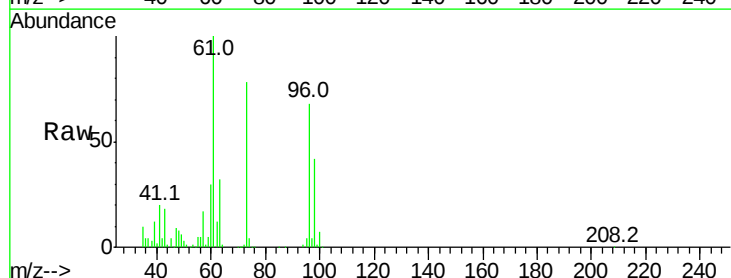
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

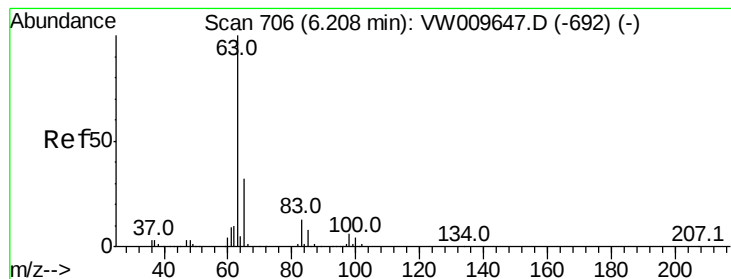
Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.2	18.2	27.4
57	22.3	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 27.615 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	96.7	179.5
98	62.4	43.8	81.4





#19

1,1-Dichloroethane

Concen: 29.086 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

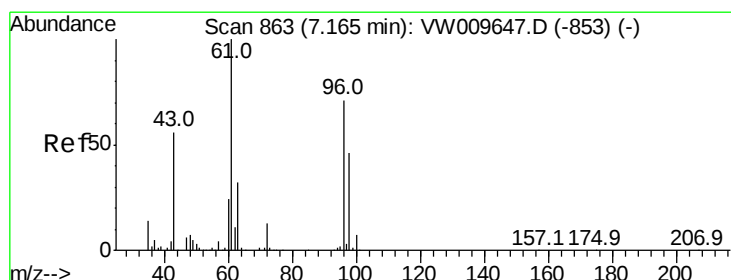
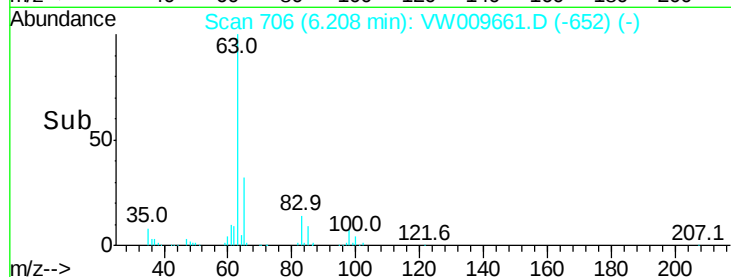
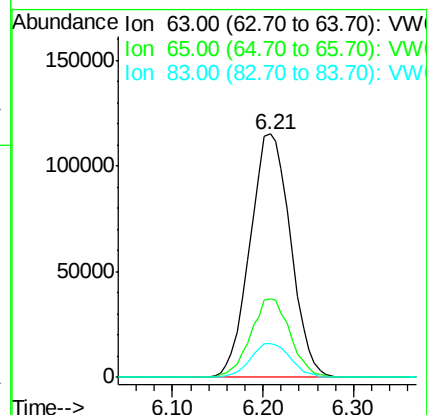
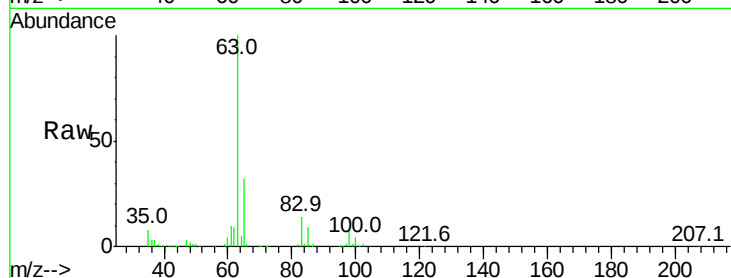
Tgt Ion: 63 Resp: 356659

Ion Ratio Lower Upper

63 100

65 32.3 21.6 40.0

83 14.0 10.1 18.7



#21

2-Butanone

Concen: 52.922 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009661.D

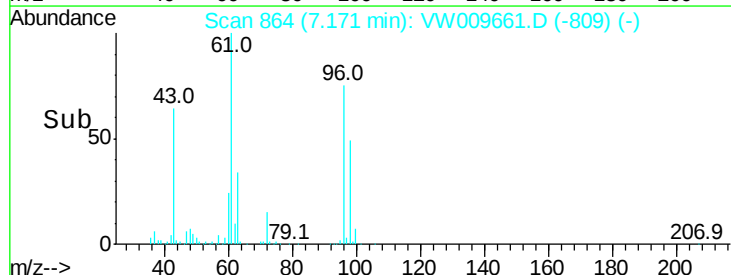
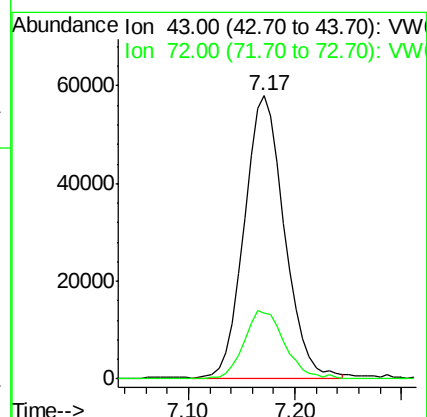
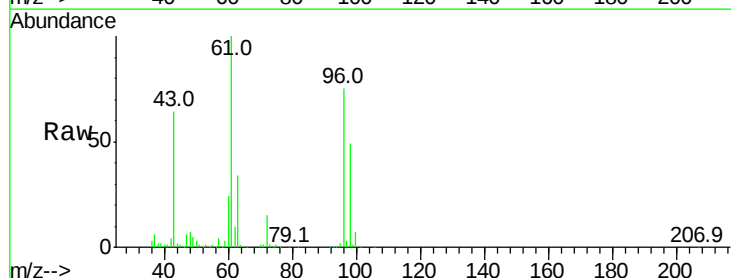
Acq: 03 Apr 2019 13:20

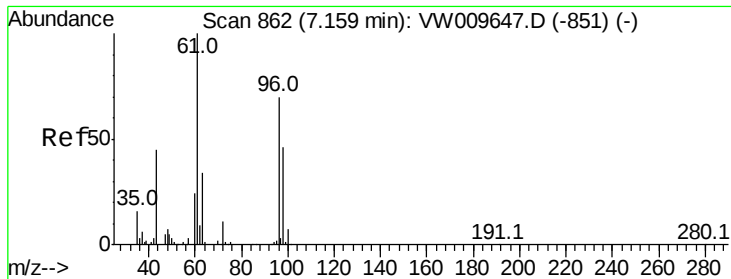
Tgt Ion: 43 Resp: 153828

Ion Ratio Lower Upper

43 100

72 24.1 13.1 39.1



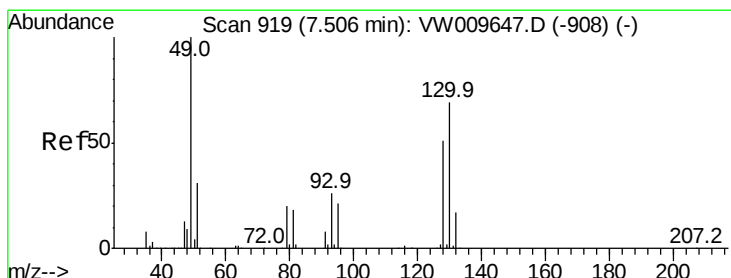
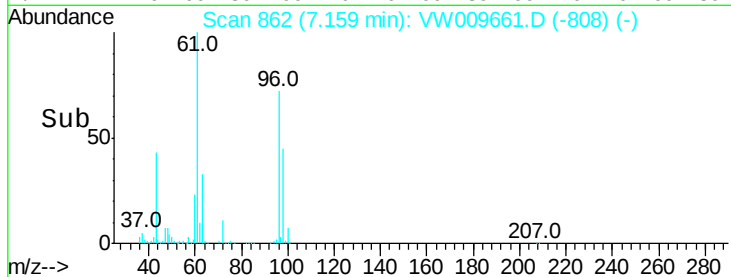
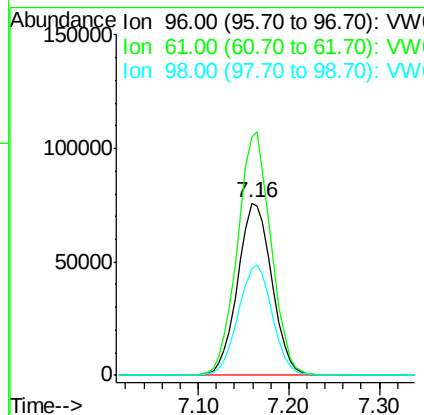
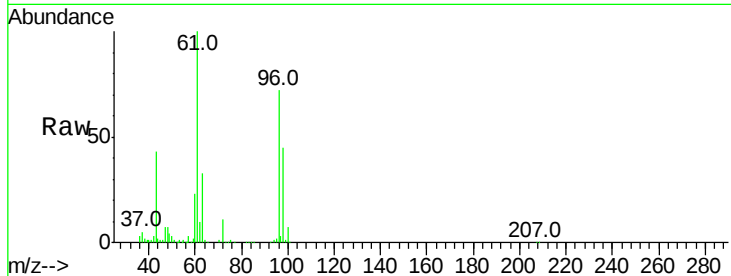


#22

cis-1,2-Dichloroethene
 Concen: 27.326 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

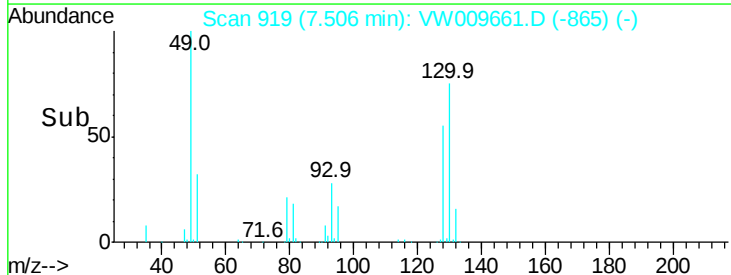
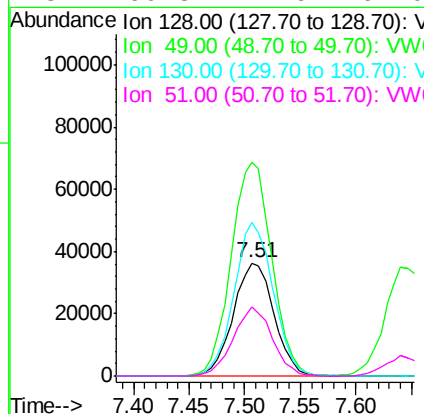
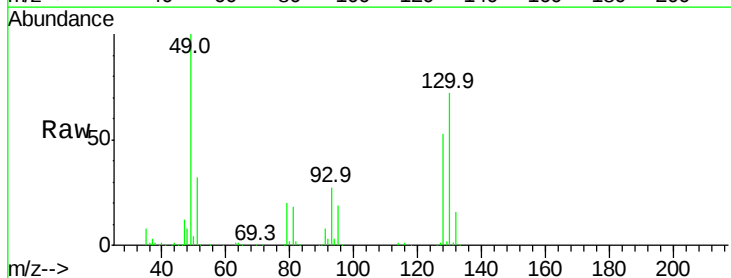
Tgt Ion: 96 Resp: 199071
 Ion Ratio Lower Upper
 96 100
 61 138.3 90.6 168.3
 98 62.2 44.0 81.8

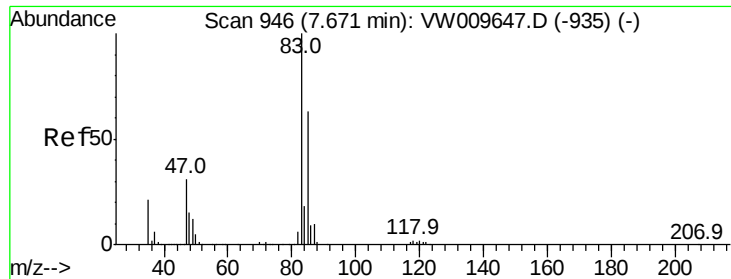


#23

Bromochloromethane
 Concen: 26.285 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

Tgt Ion: 128 Resp: 91843
 Ion Ratio Lower Upper
 128 100
 49 189.4 118.4 219.8
 130 136.5 87.8 163.2
 51 60.8 44.6 67.0





#25

Chloroform

Concen: 28.783 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

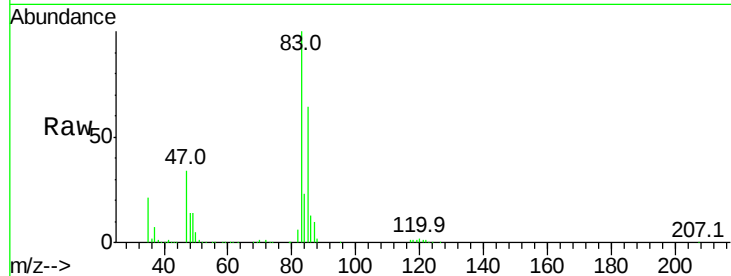
VSTD02512

Tgt Ion: 83 Resp: 369617

Ion Ratio Lower Upper

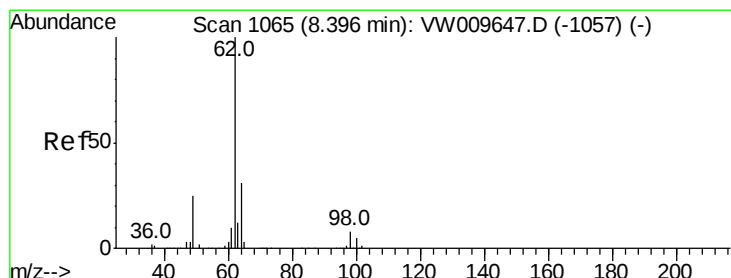
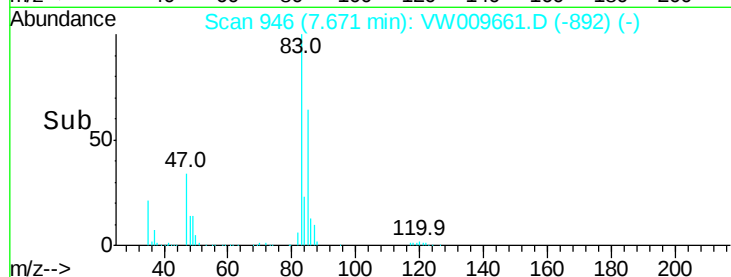
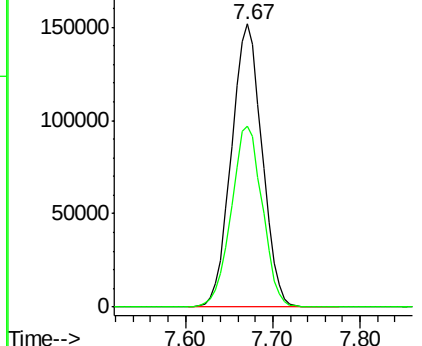
83 100

85 65.2 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 29.366 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009661.D

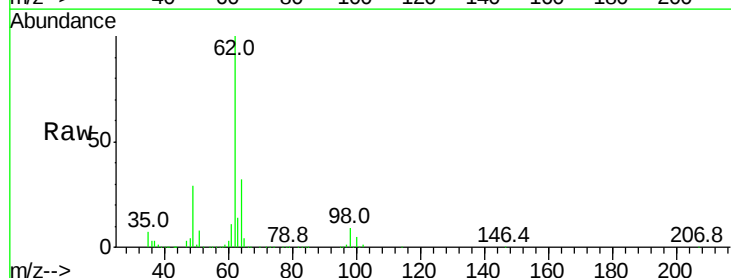
Acq: 03 Apr 2019 13:20

Tgt Ion: 62 Resp: 281156

Ion Ratio Lower Upper

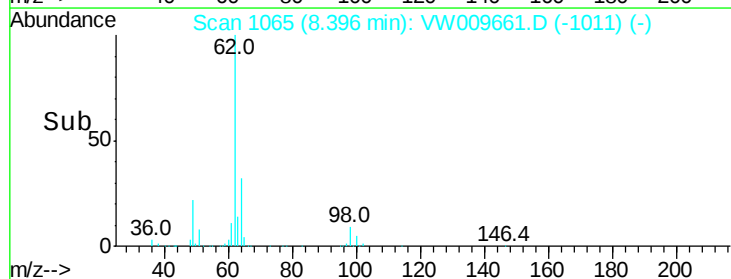
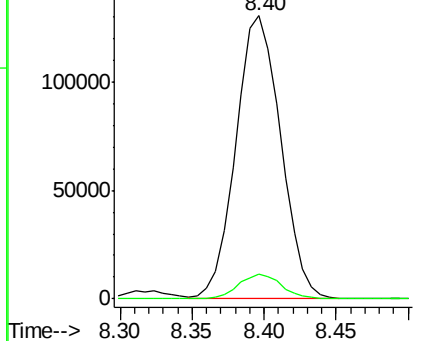
62 100

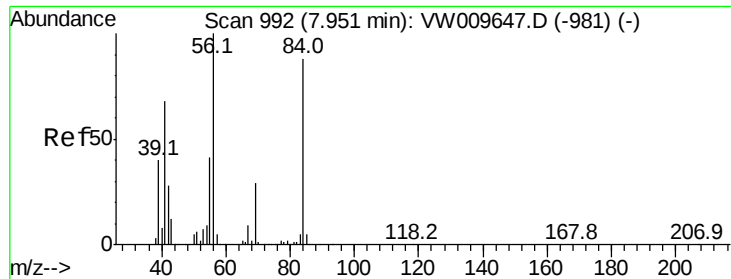
98 8.7 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

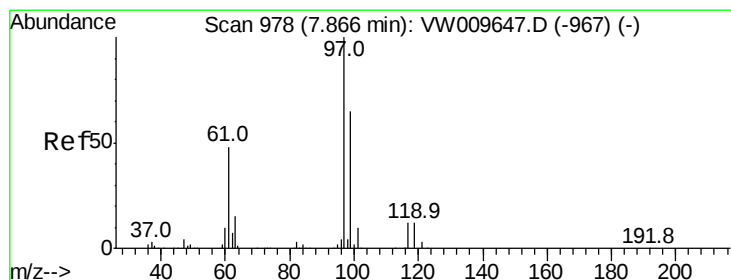
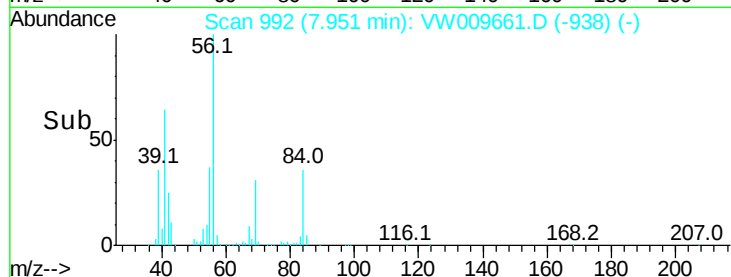
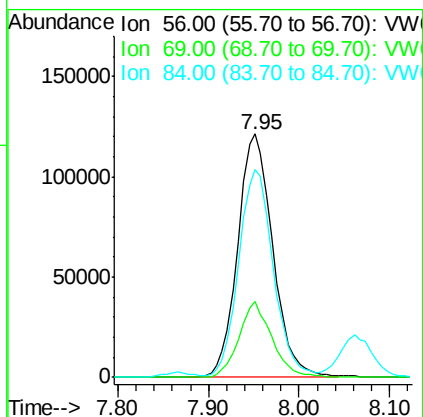
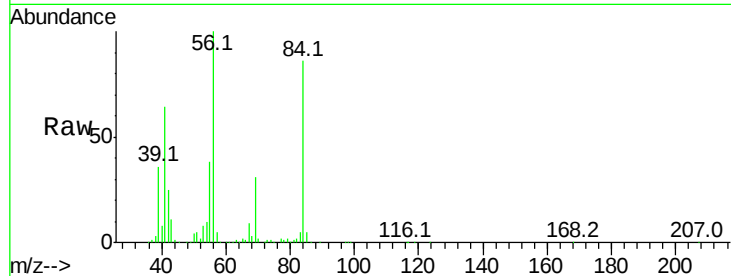




#30
Cyclohexane
Concen: 28.495 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

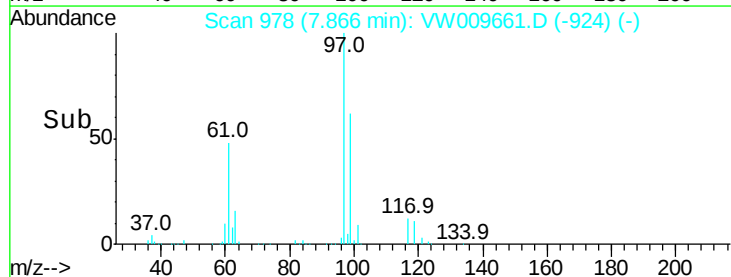
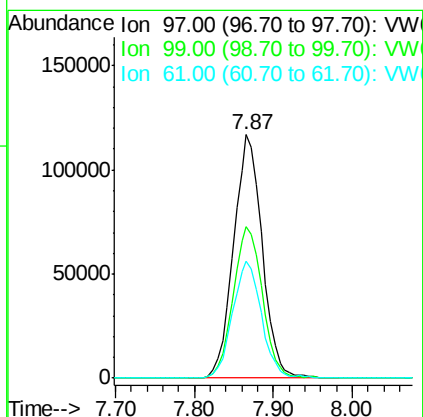
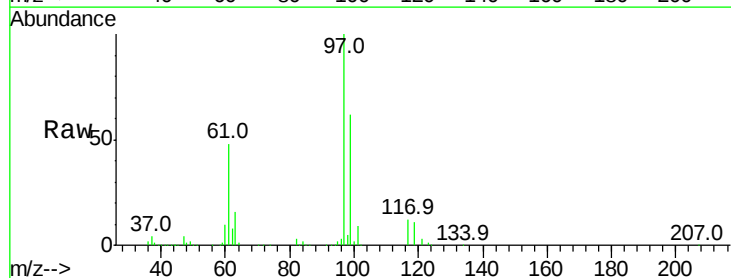
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

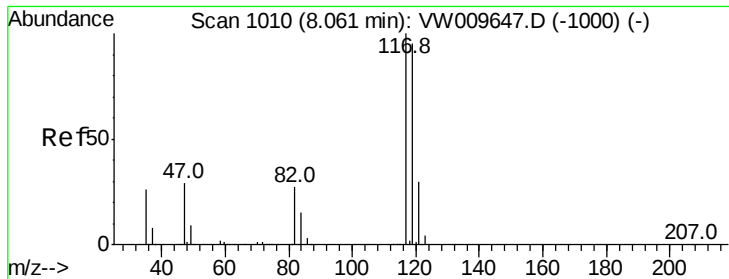
Tgt Ion: 56 Resp: 325636
Ion Ratio Lower Upper
56 100
69 29.3 24.0 36.0
84 84.6 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 29.336 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

Tgt Ion: 97 Resp: 294827
Ion Ratio Lower Upper
97 100
99 63.5 51.2 76.8
61 48.2 38.4 57.6





#32

Carbon tetrachloride

Concen: 29.037 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

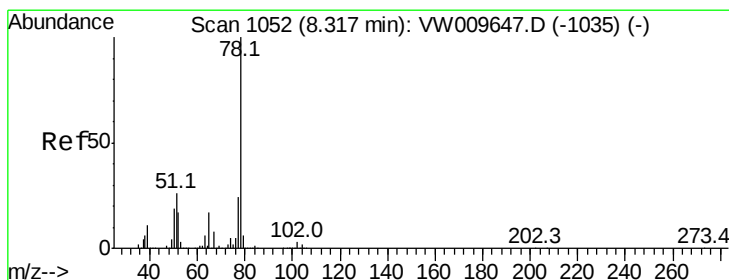
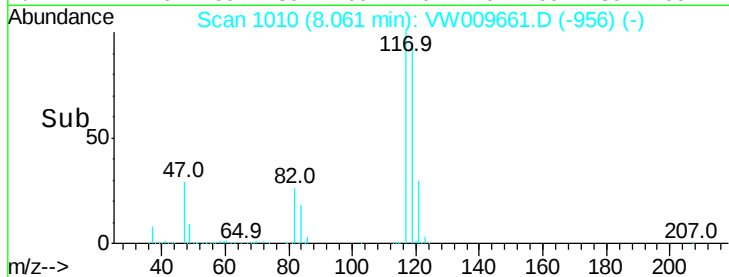
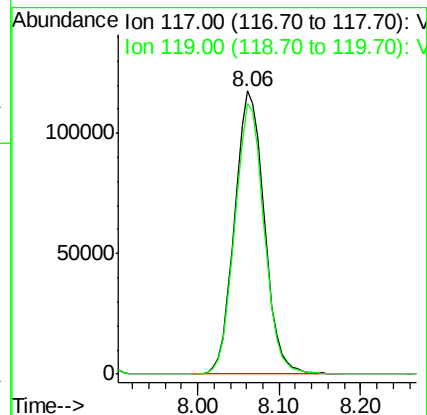
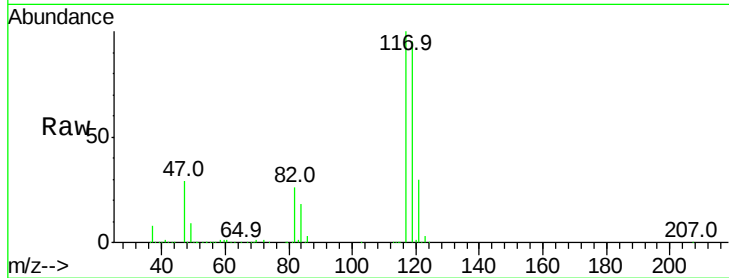
VSTD02512

Tgt Ion:117 Resp: 294426

Ion Ratio Lower Upper

117 100

119 94.3 78.0 117.0



#34

Benzene

Concen: 28.533 ug/L

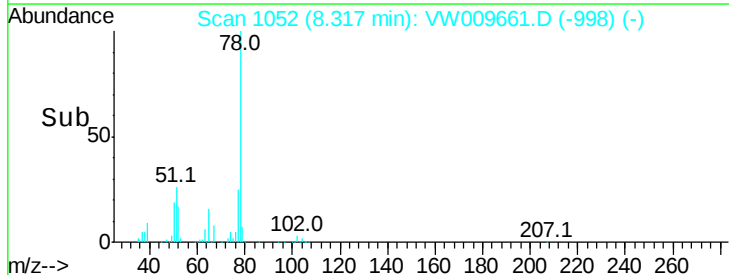
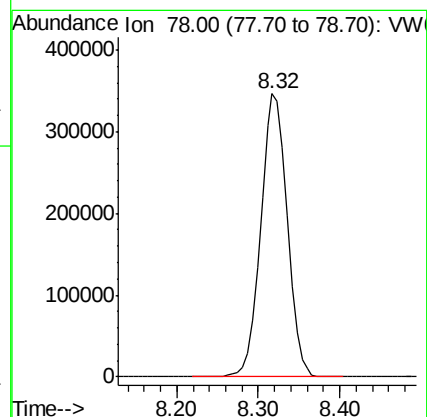
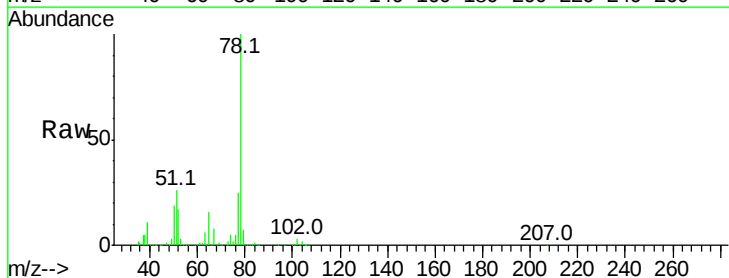
RT: 8.32 min Scan# 1052

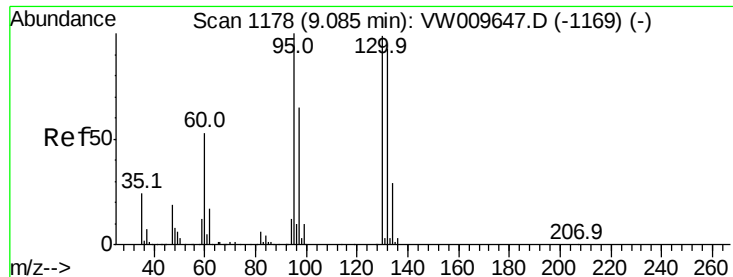
Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Tgt Ion: 78 Resp: 785866

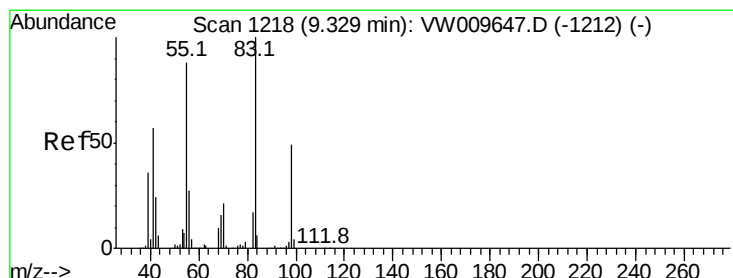
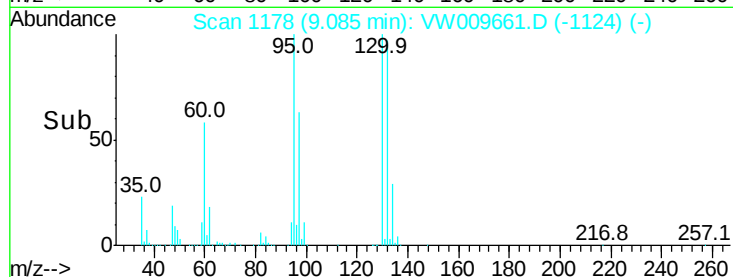
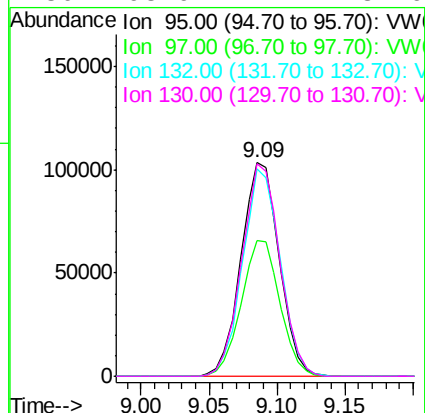
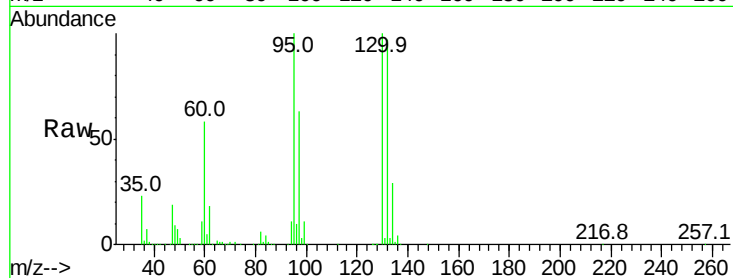




#35
 Trichloroethene
 Concen: 27.677 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

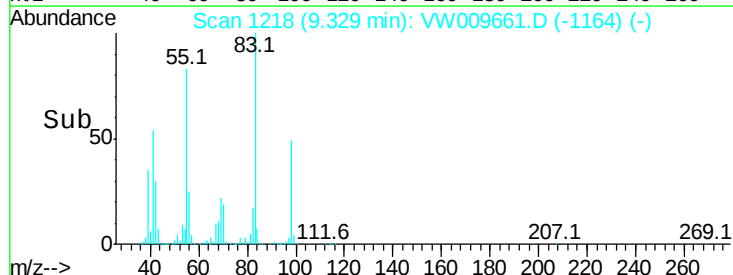
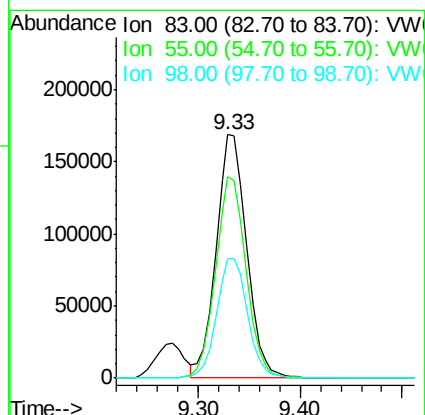
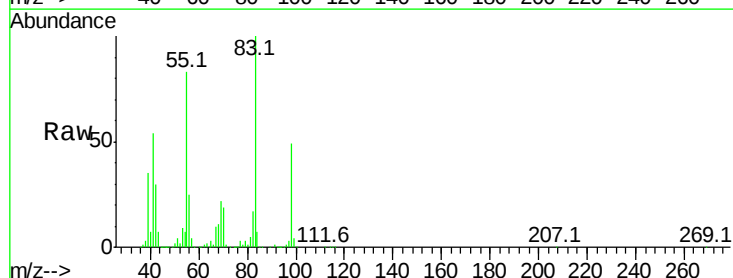
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

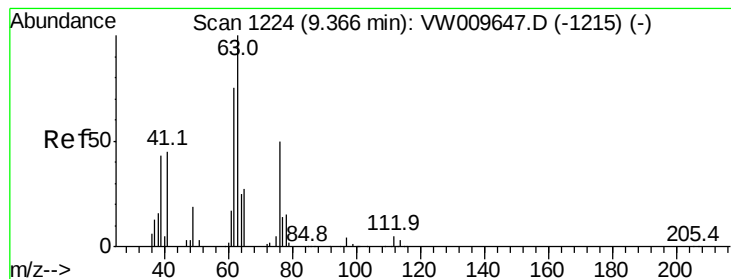
Tgt Ion:	95	Resp:	203120
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	82.9
132	95.9	69.0	128.2
130	98.9	72.7	134.9



#36
 Methylcyclohexane
 Concen: 27.743 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

Tgt Ion:	83	Resp:	352244
Ion	Ratio	Lower	Upper
83	100		
55	82.9	63.5	95.3
98	49.2	39.8	59.8





#40

1,2-Dichloropropane

Concen: 28.205 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

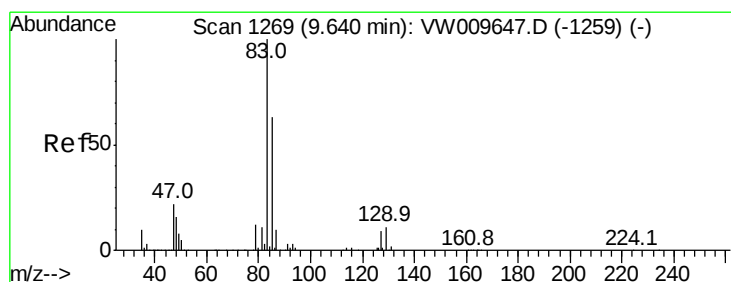
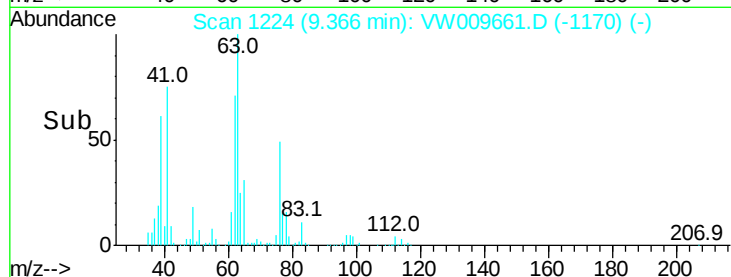
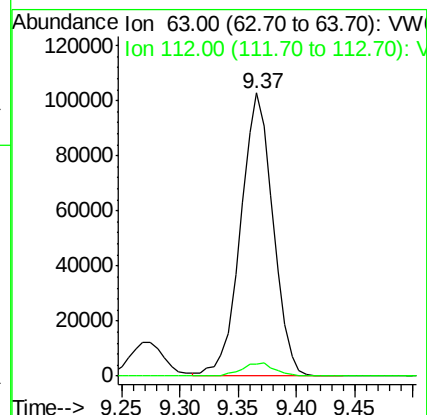
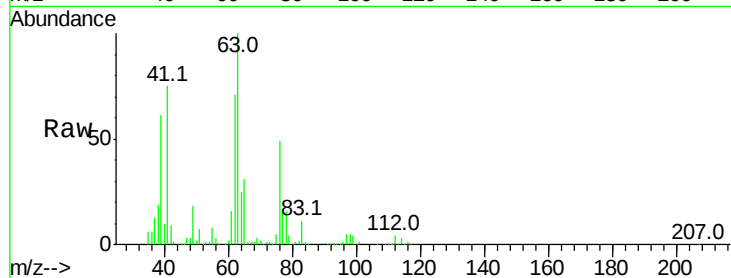
VSTD02512

Tgt Ion: 63 Resp: 199337

Ion Ratio Lower Upper

63 100

112 4.8 4.0 6.0



#41

Bromodichloromethane

Concen: 28.207 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

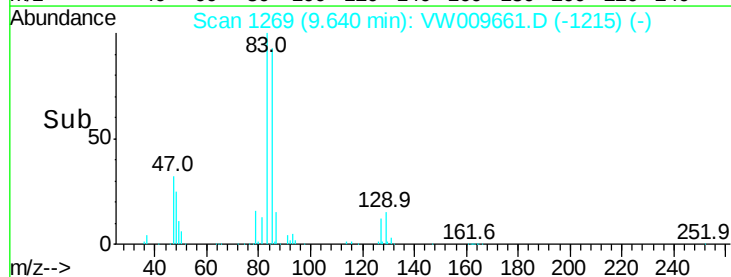
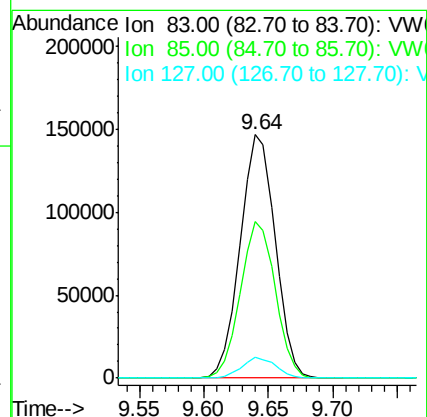
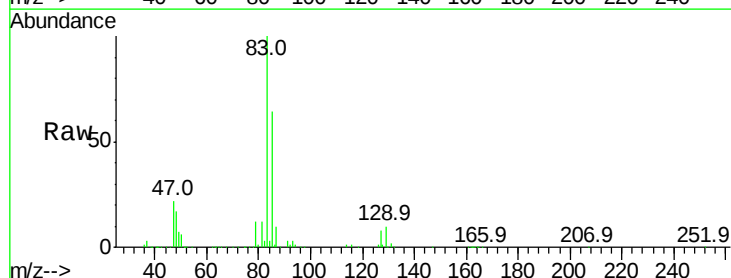
Tgt Ion: 83 Resp: 276214

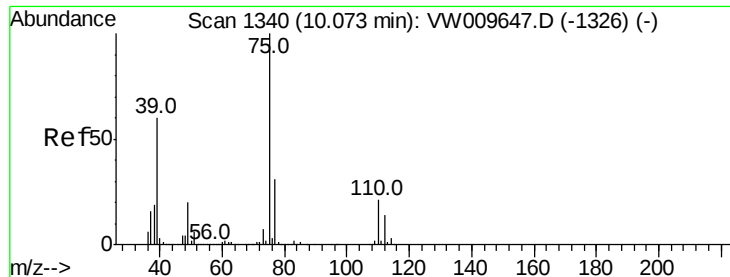
Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.7

127 8.4 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 27.466 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

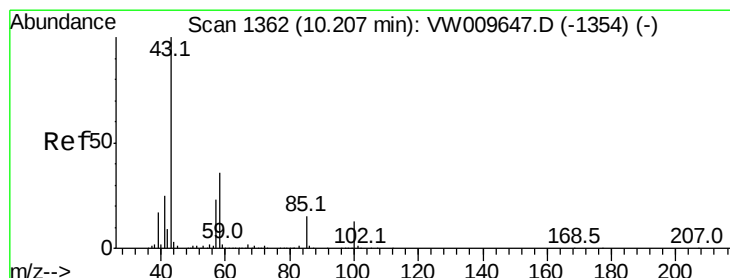
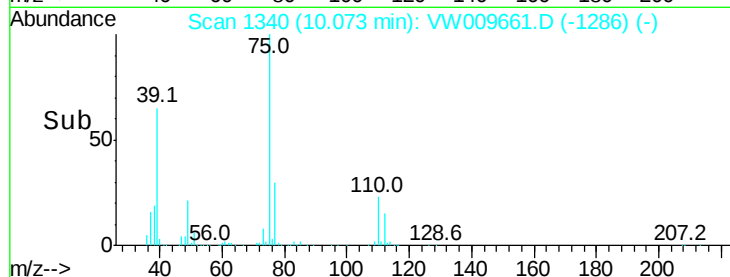
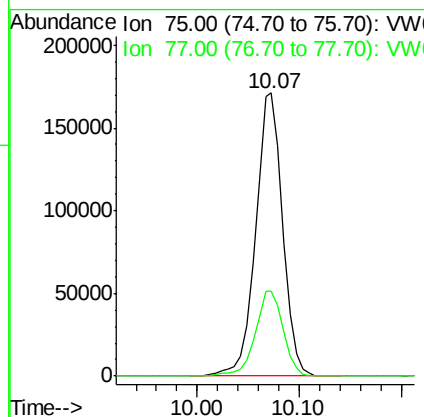
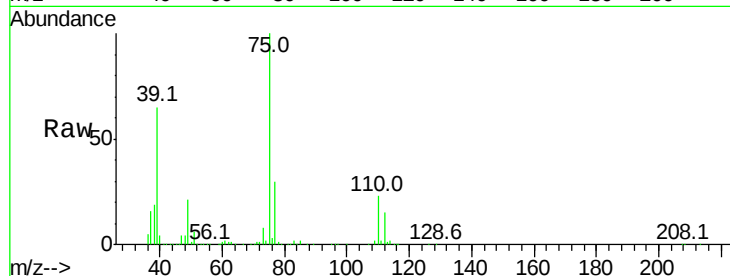
VSTD02512

Tgt Ion: 75 Resp: 316154

Ion Ratio Lower Upper

75 100

77 30.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 49.807 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

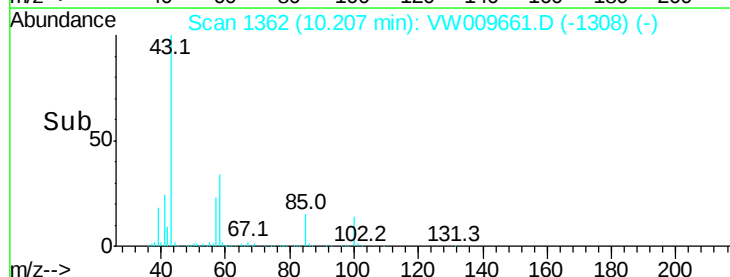
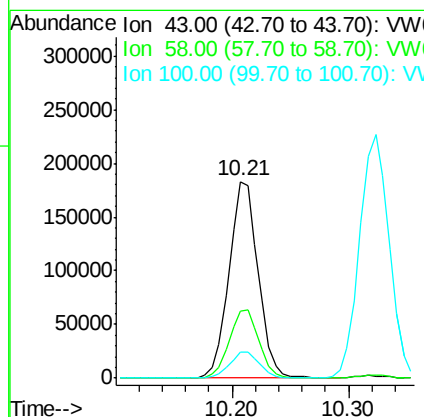
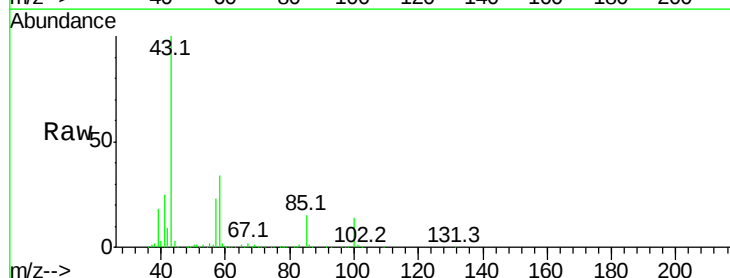
Tgt Ion: 43 Resp: 318976

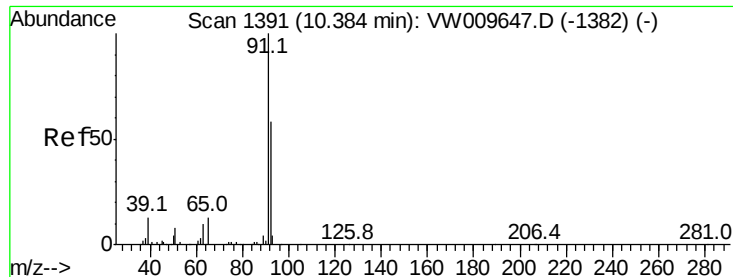
Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2

100 13.6 11.4 17.2





#44

Toluene

Concen: 28.368 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampled :

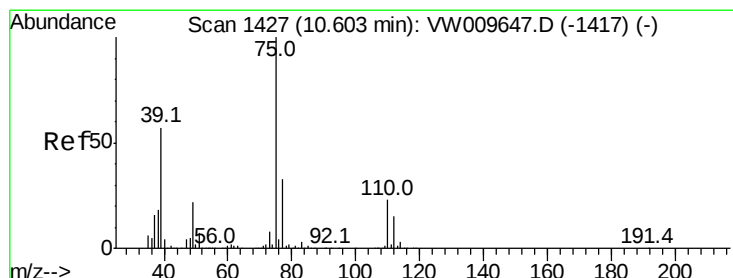
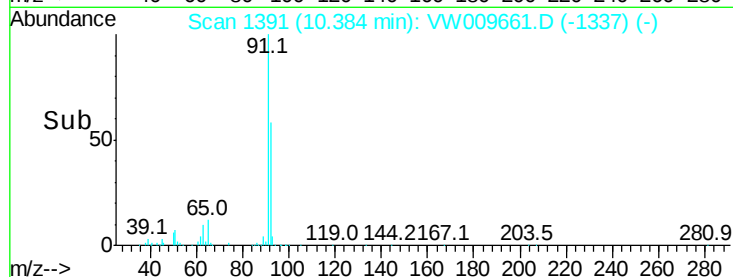
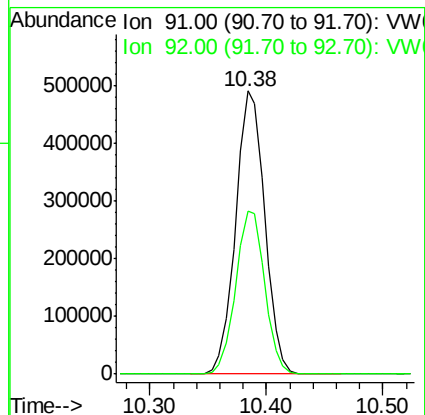
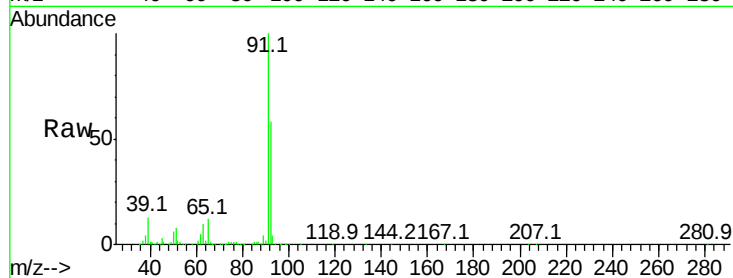
VSTD02512

Tgt Ion: 91 Resp: 854251

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.972 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009661.D

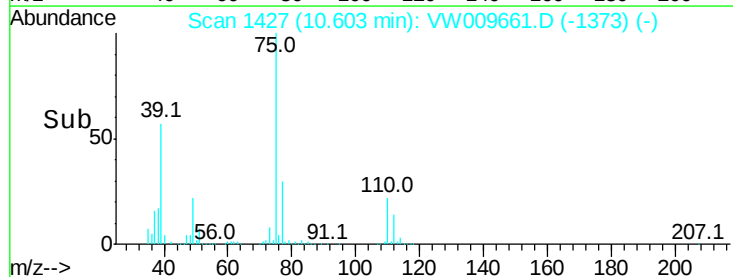
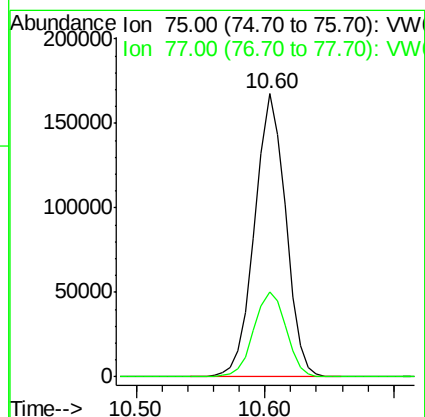
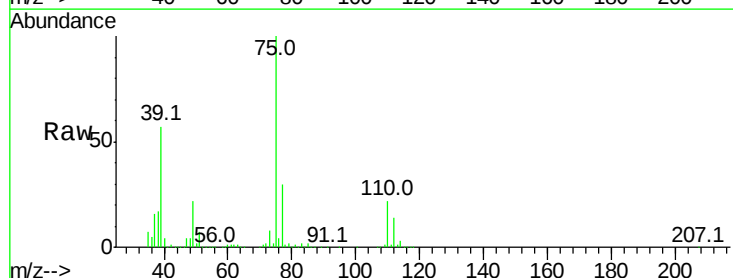
Acq: 03 Apr 2019 13:20

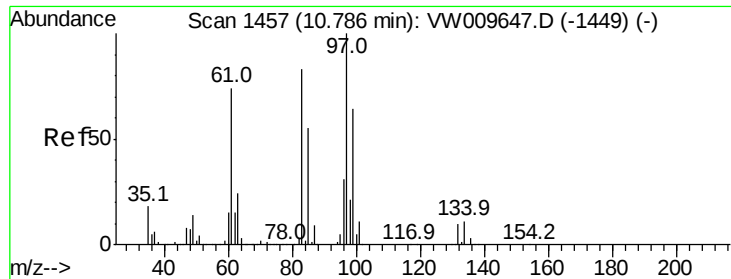
Tgt Ion: 75 Resp: 280095

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 27.123 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 97 Resp: 152930

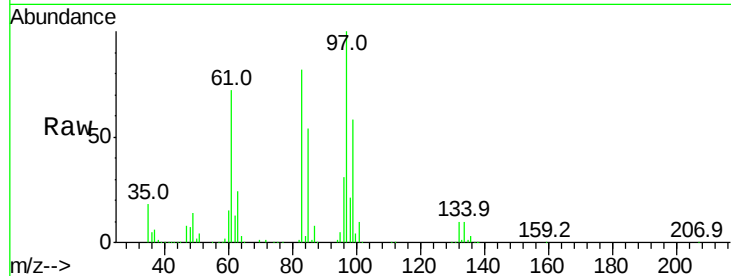
Ion Ratio Lower Upper

97 100

83 81.8 60.7 112.7

85 54.4 40.1 74.5

99 58.4 43.8 81.3

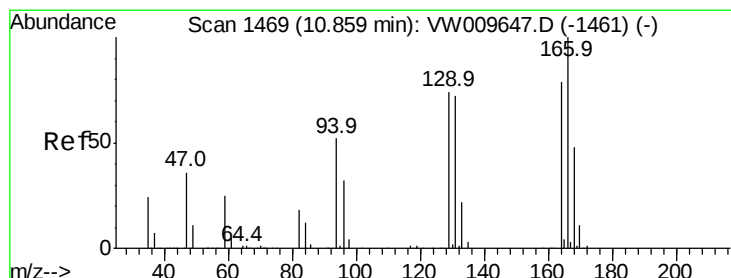
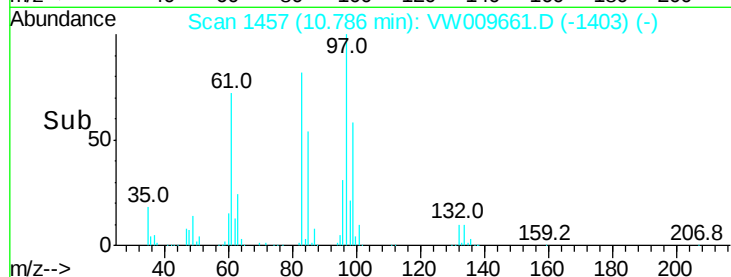
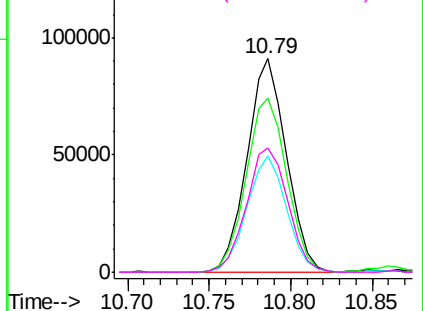


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.523 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Tgt Ion: 164 Resp: 164469

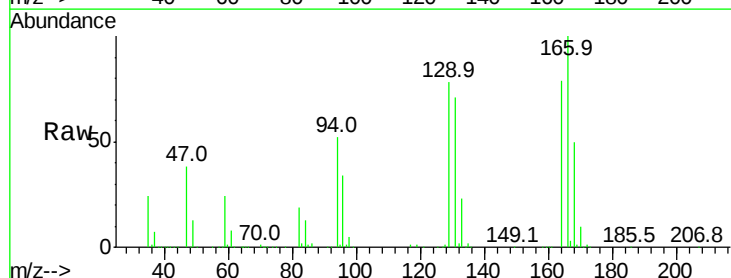
Ion Ratio Lower Upper

164 100

129 98.4 66.5 123.5

131 90.1 62.6 116.3

166 126.5 91.6 170.0

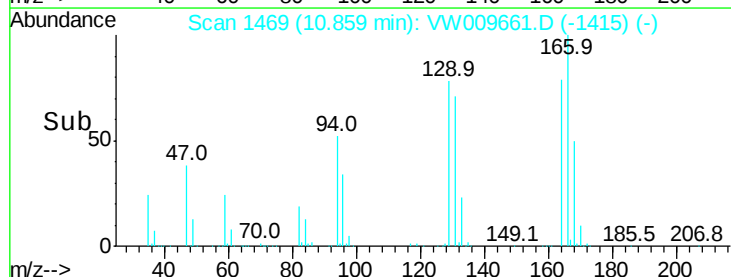
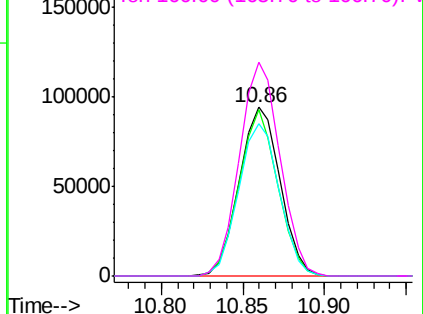


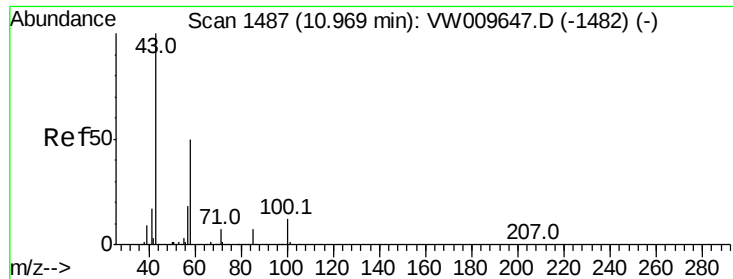
Abundance Ion 164.00 (163.70 to 164.70): V

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

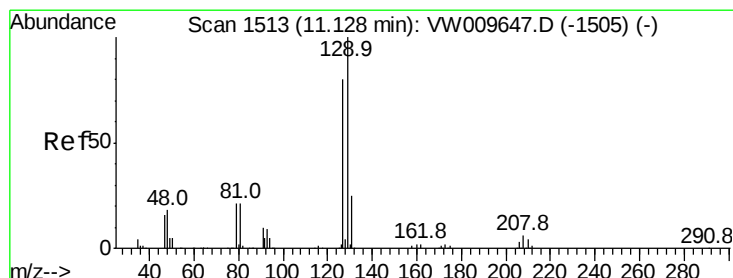
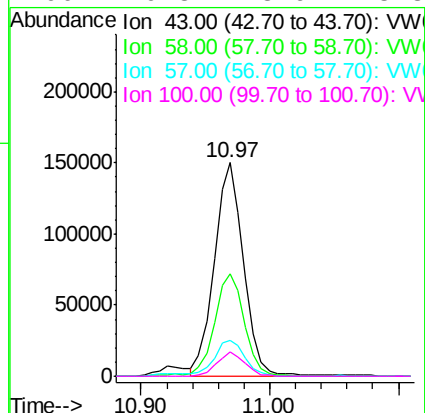
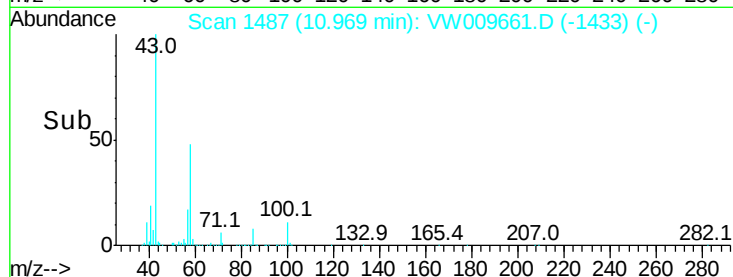
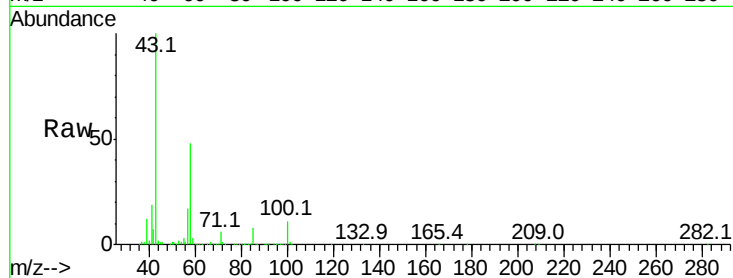




#49
2-Hexanone
Concen: 52.974 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

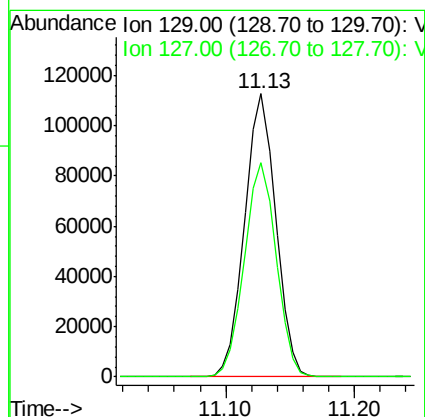
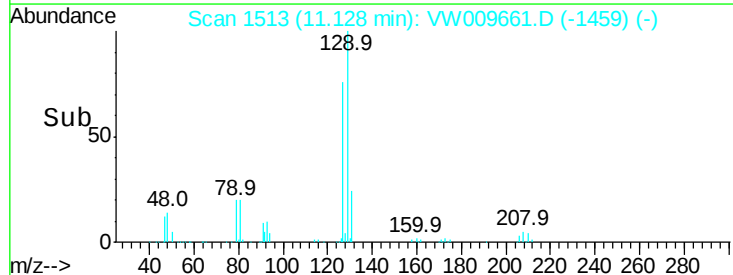
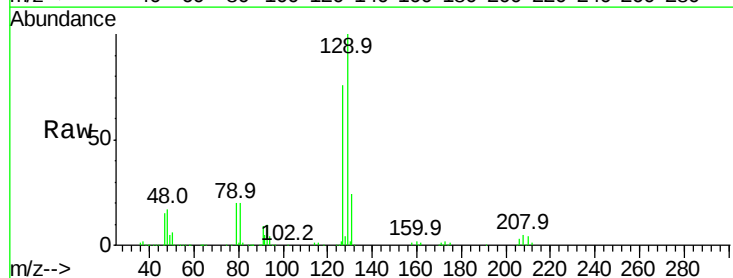
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

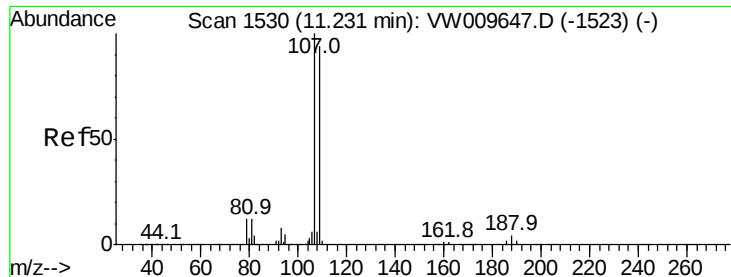
Tgt Ion: 43 Resp: 238939
Ion Ratio Lower Upper
43 100
58 48.6 39.2 58.8
57 17.2 14.2 21.2
100 10.8 8.9 13.3



#50
Dibromochloromethane
Concen: 27.198 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009661.D
Acq: 03 Apr 2019 13:20

Tgt Ion: 129 Resp: 189310
Ion Ratio Lower Upper
129 100
127 75.7 56.8 105.6





#51

1,2-Dibromoethane

Concen: 26.461 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

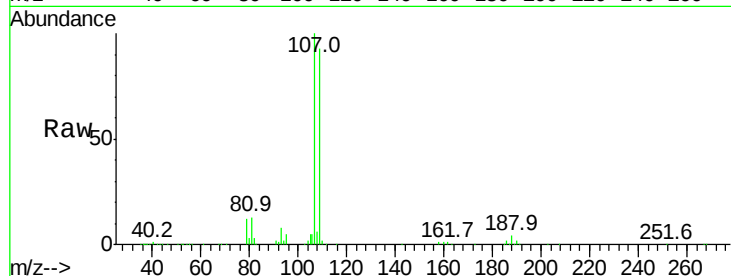
Tgt Ion:107 Resp: 151251

Ion Ratio Lower Upper

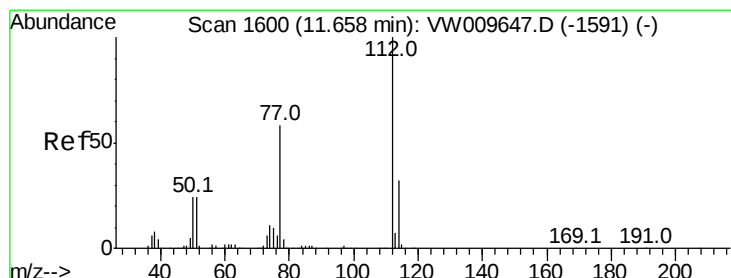
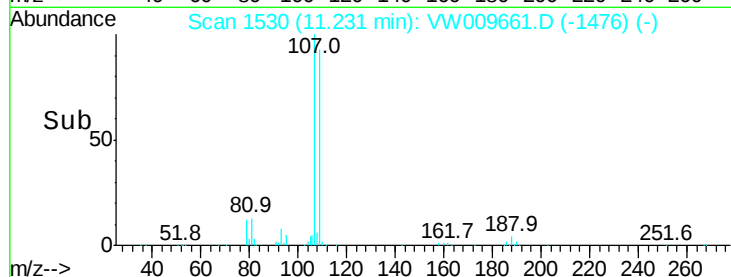
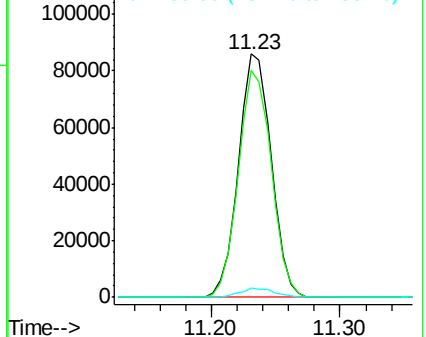
107 100

109 93.4 68.0 126.4

188 4.0 3.5 5.3



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



#52

Chlorobenzene

Concen: 27.499 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

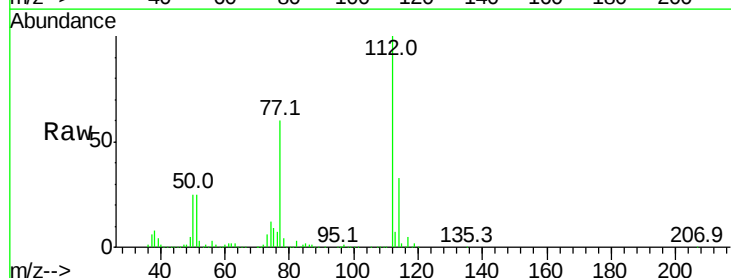
Tgt Ion:112 Resp: 531107

Ion Ratio Lower Upper

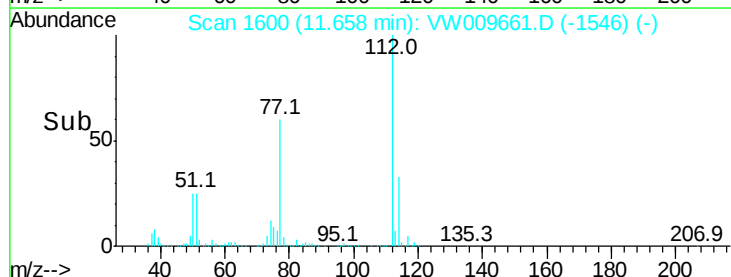
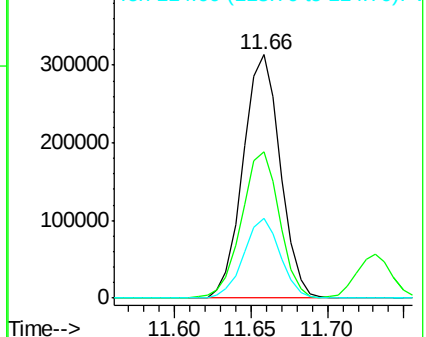
112 100

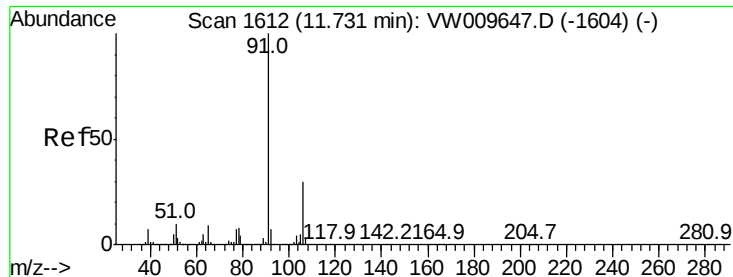
77 60.2 45.7 68.5

114 32.8 22.8 42.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 28.820 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

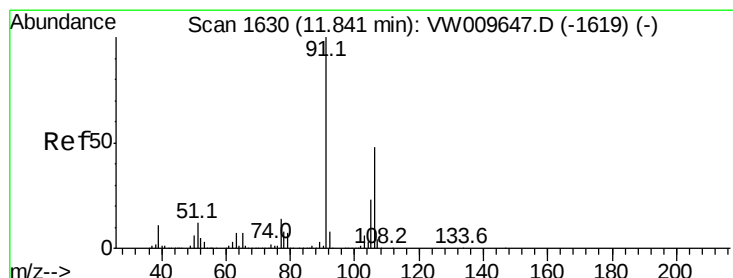
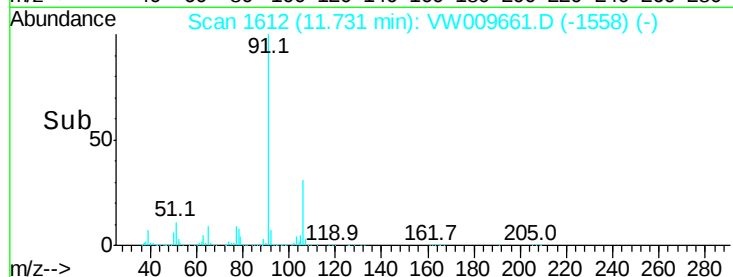
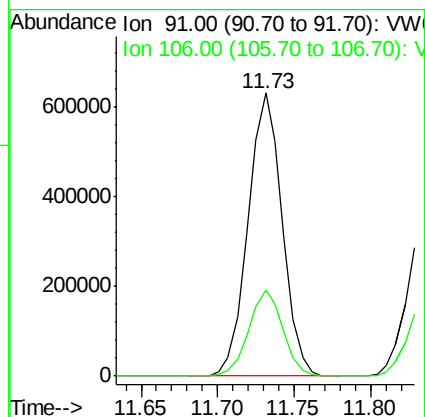
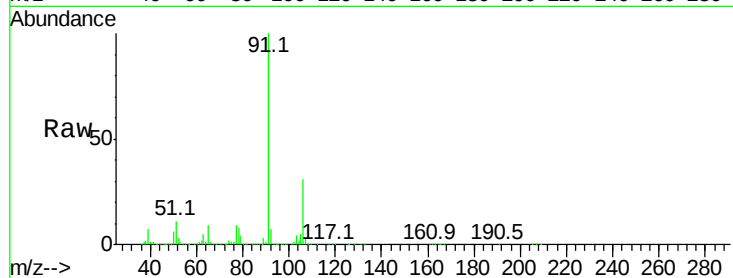
VSTD02512

Tgt Ion: 91 Resp: 975714

Ion Ratio Lower Upper

91 100

106 30.7 21.0 39.0



#54

m,p-Xylene

Concen: 28.138 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009661.D

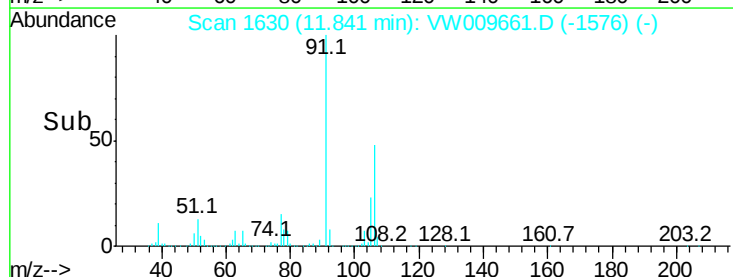
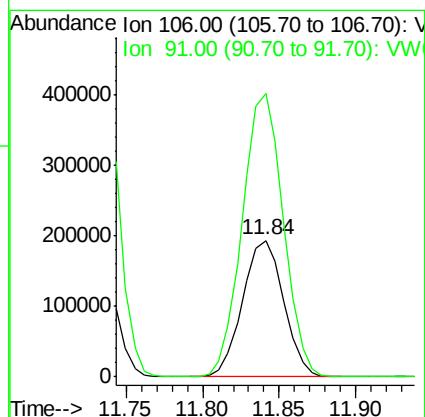
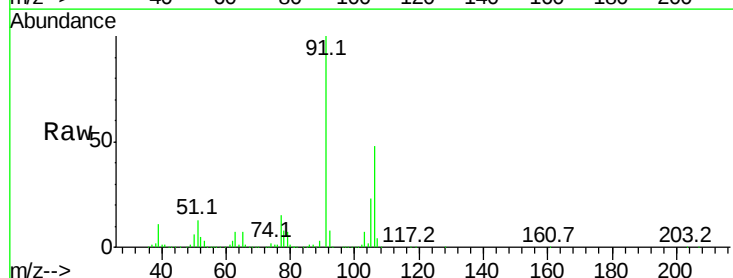
Acq: 03 Apr 2019 13:20

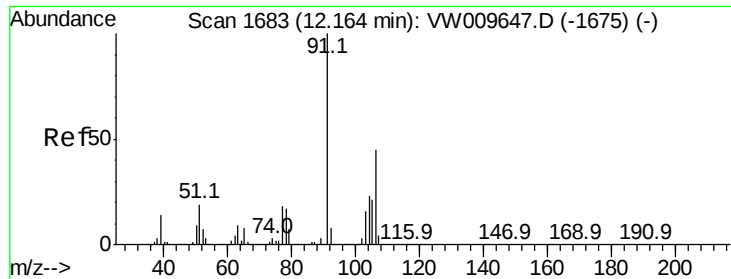
Tgt Ion: 106 Resp: 361922

Ion Ratio Lower Upper

106 100

91 207.6 138.4 257.0





#55

o-xylene

Concen: 27.835 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

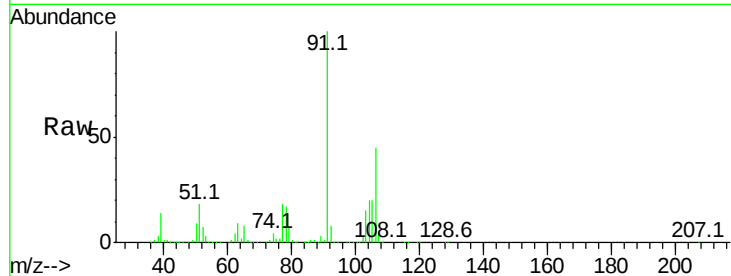
VSTD02512

Tgt Ion:106 Resp: 349271

Ion Ratio Lower Upper

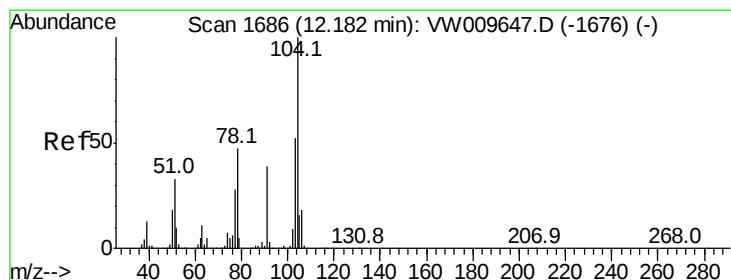
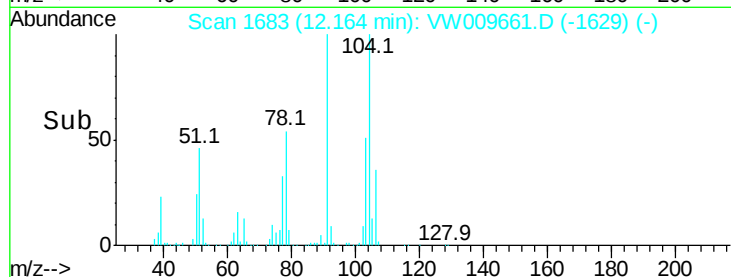
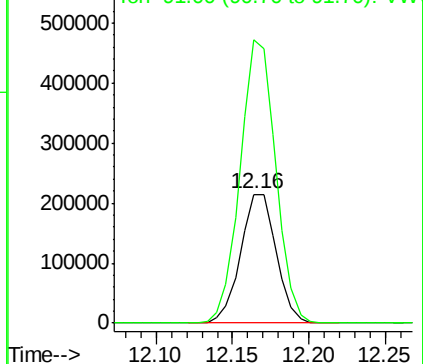
106 100

91 219.8 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.536 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009661.D

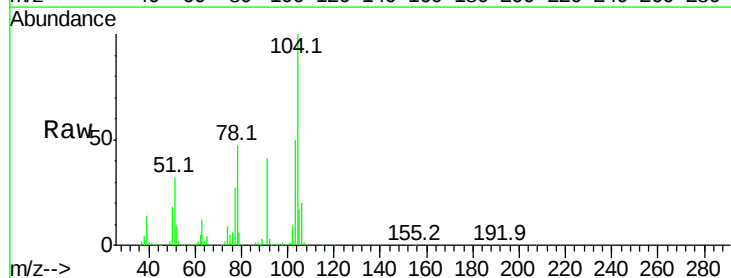
Acq: 03 Apr 2019 13:20

Tgt Ion:104 Resp: 610946

Ion Ratio Lower Upper

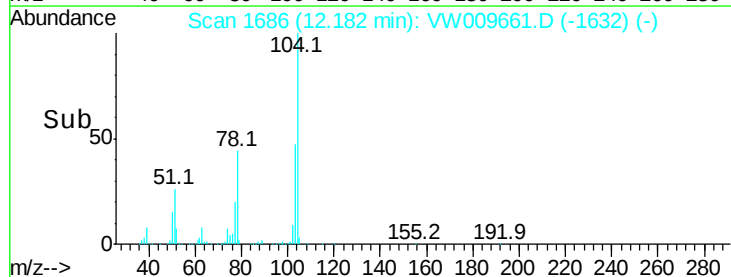
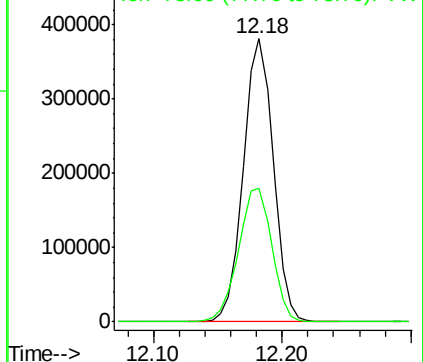
104 100

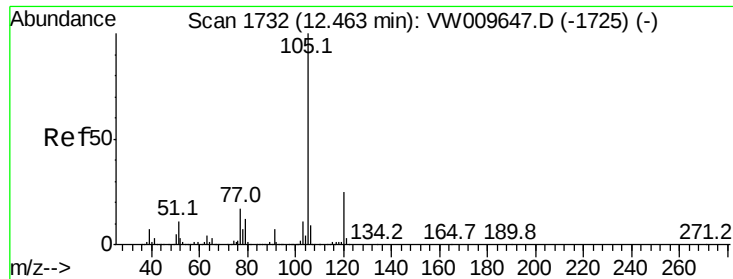
78 47.0 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.782 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

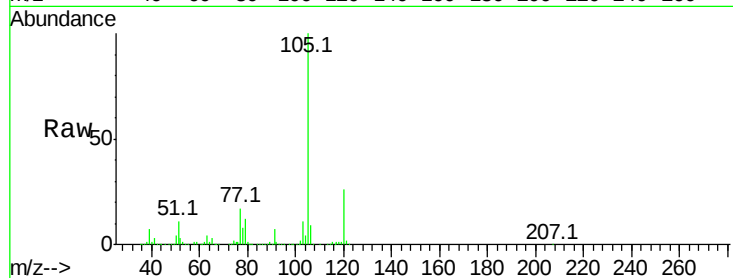
Tgt Ion:105 Resp: 967450

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

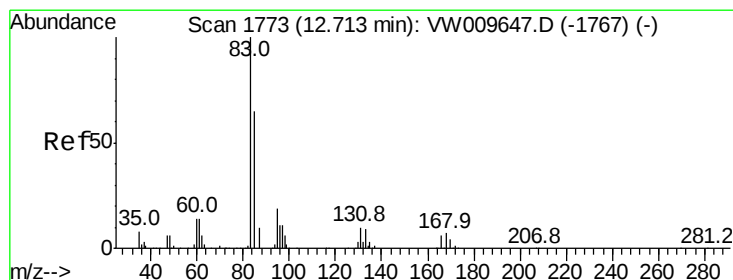
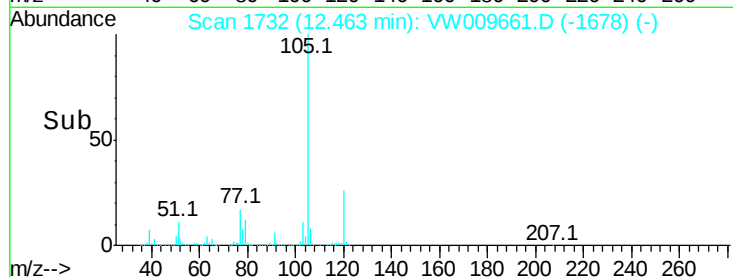
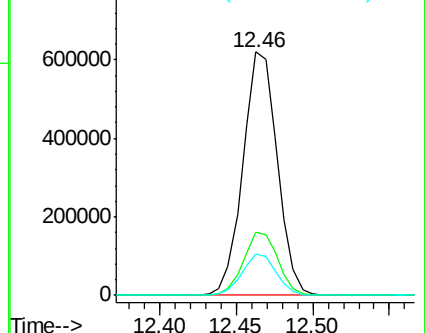
77 16.8 13.1 19.7



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: 26.396 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

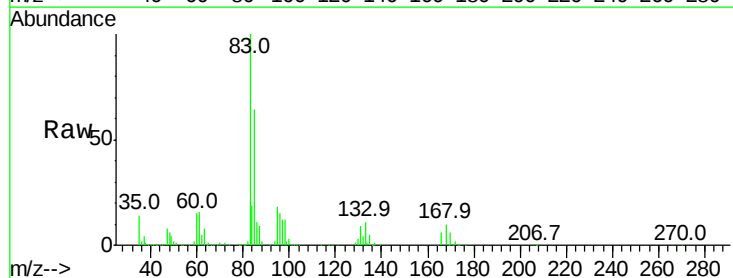
Tgt Ion: 83 Resp: 200779

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.8

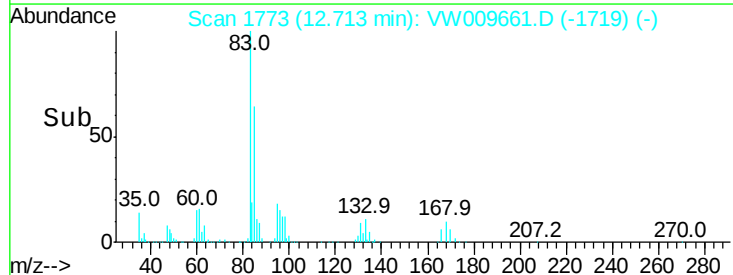
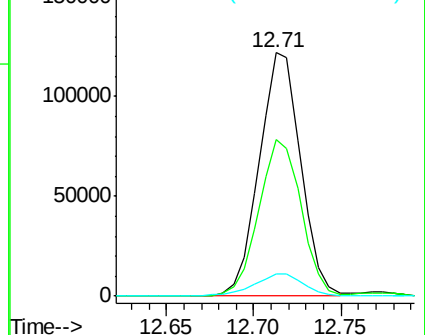
131 9.0 9.2 13.8#

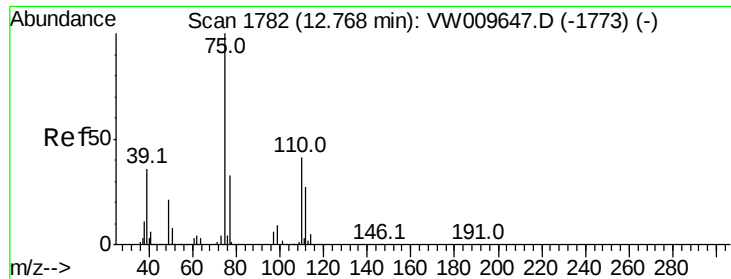


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.602 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

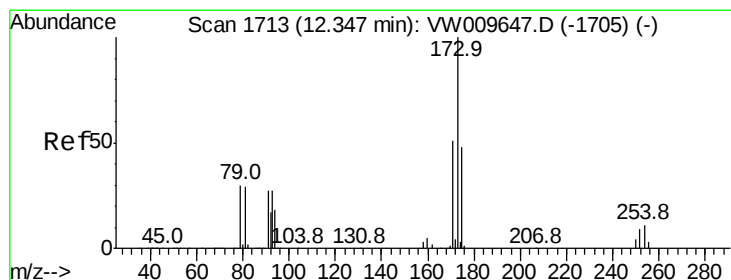
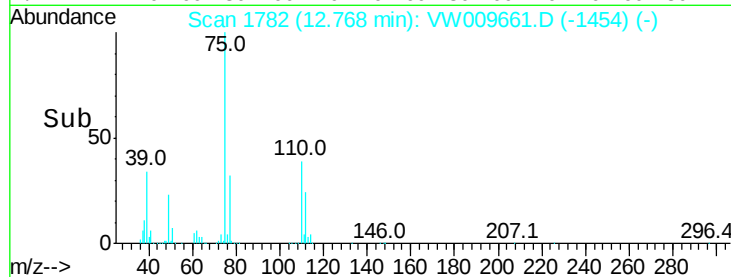
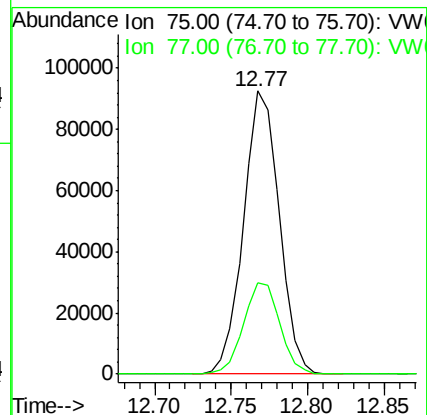
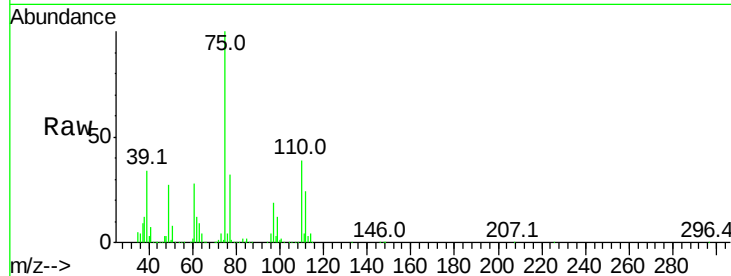
VSTD02512

Tgt Ion: 75 Resp: 150169

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#62

Bromoform

Concen: 25.950 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

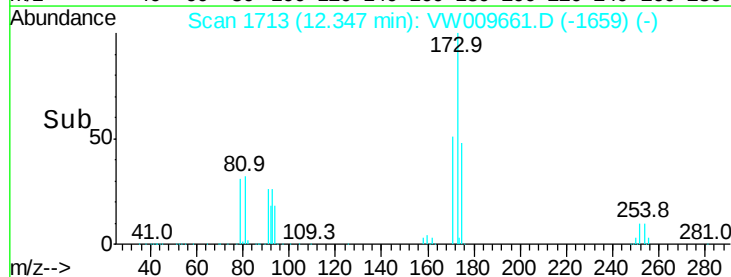
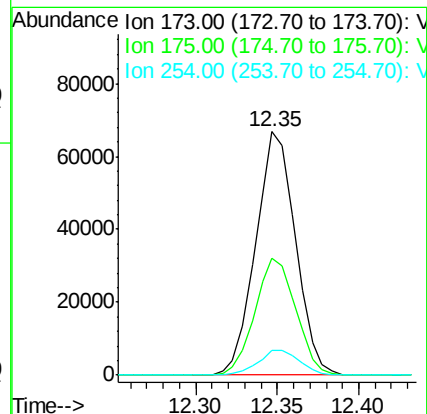
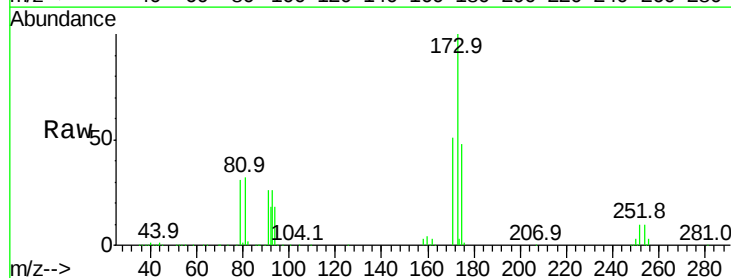
Tgt Ion: 173 Resp: 113357

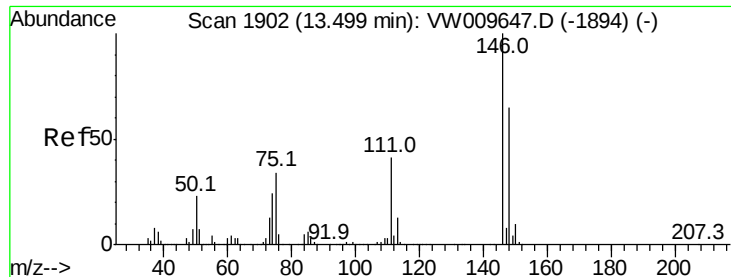
Ion Ratio Lower Upper

173 100

175 49.3 39.7 59.5

254 10.6 8.5 12.7

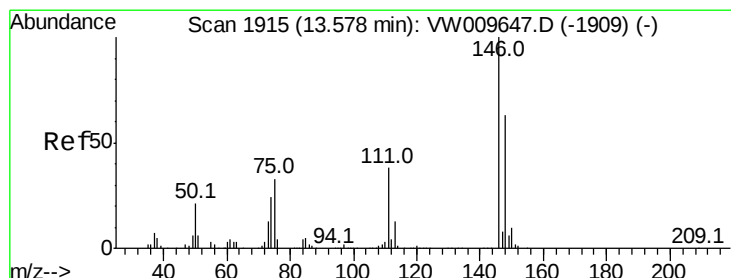
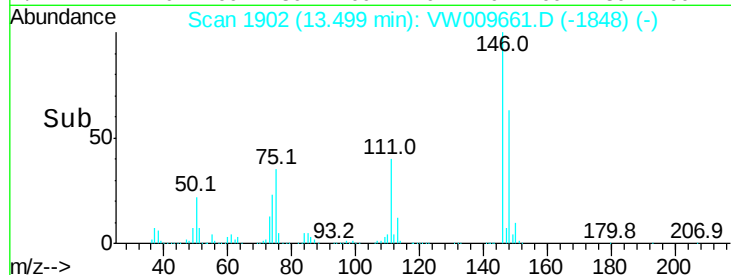
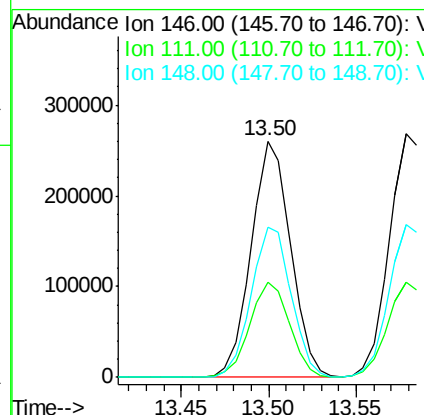
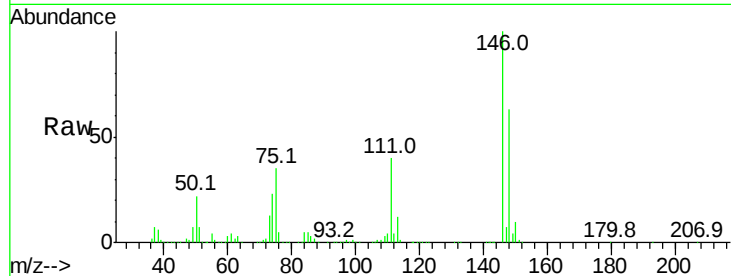




#63
 1,3-Dichlorobenzene
 Concen: 26.521 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

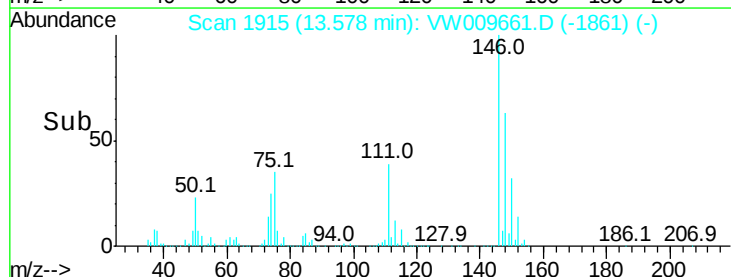
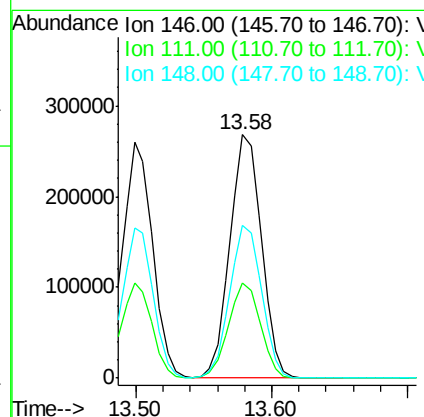
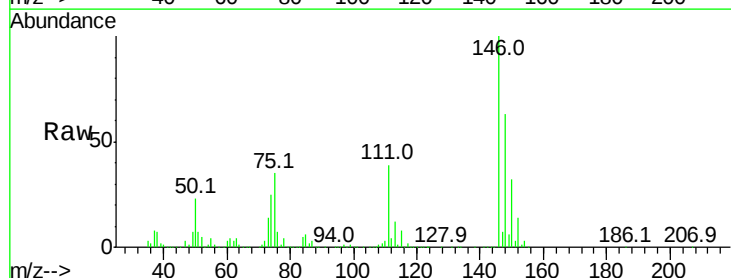
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

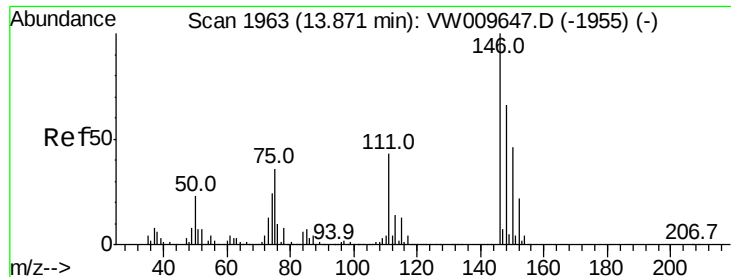
Tgt Ion:146 Resp: 408642
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.9 49.9
 148 63.3 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 27.279 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

Tgt Ion:146 Resp: 434556
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.8 51.6
 148 62.5 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 26.904 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

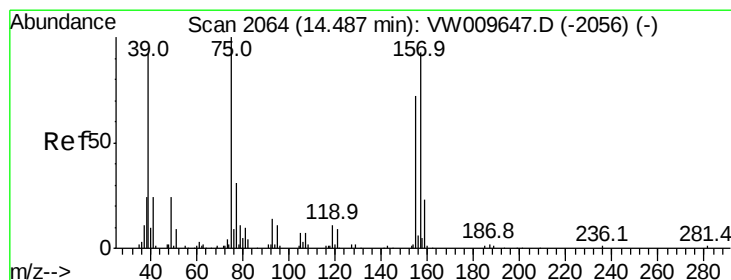
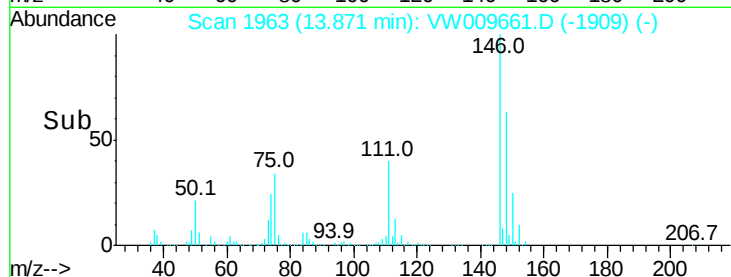
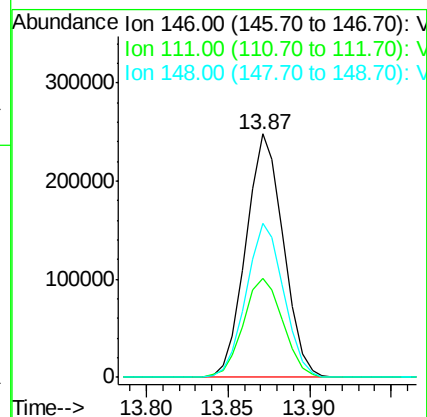
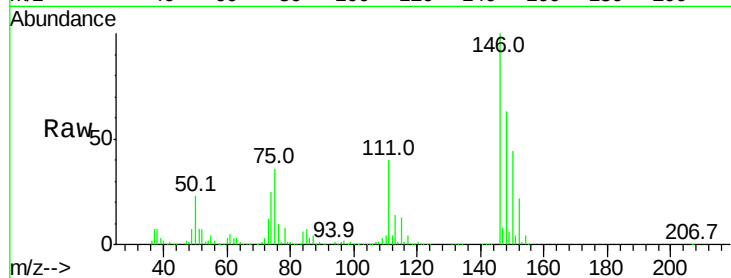
Tgt Ion:146 Resp: 395338

Ion Ratio Lower Upper

146 100

111 40.5 33.5 50.3

148 63.1 50.2 75.2



#66

1,2-Dibromo-3-chloropropane

Concen: 25.351 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

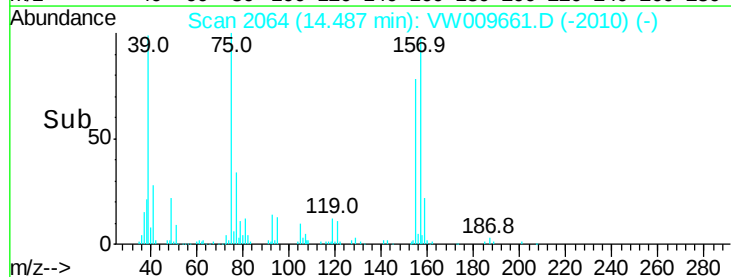
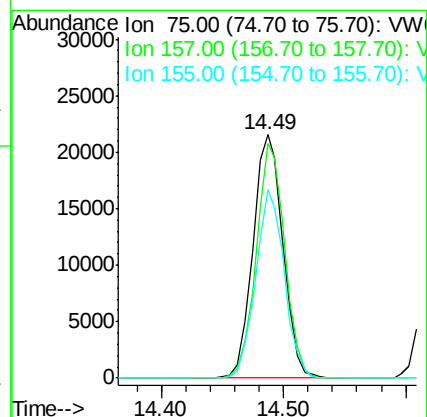
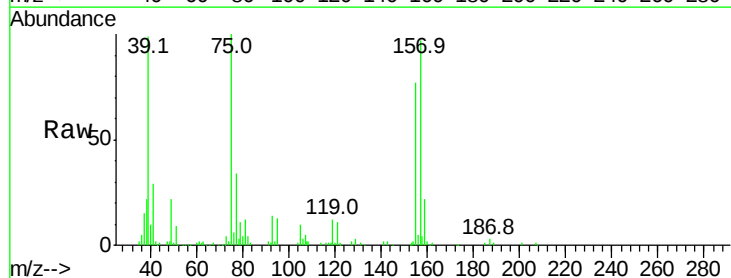
Tgt Ion: 75 Resp: 36508

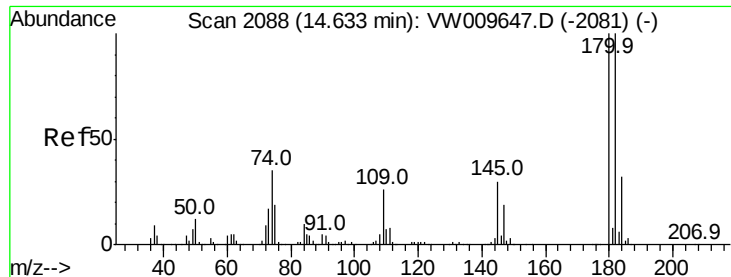
Ion Ratio Lower Upper

75 100

157 96.5 89.0 133.4

155 77.4 64.2 96.2

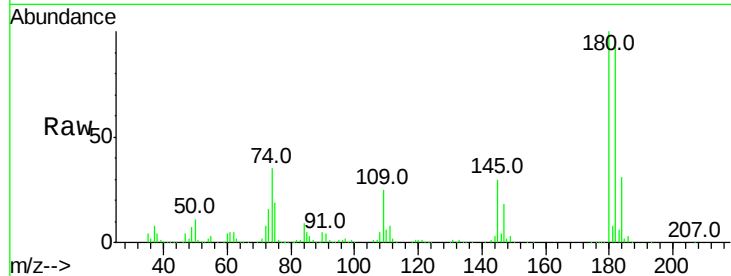




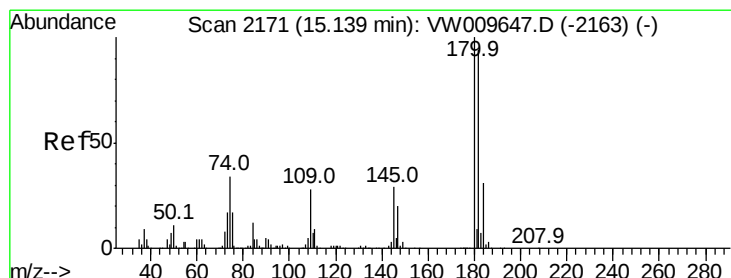
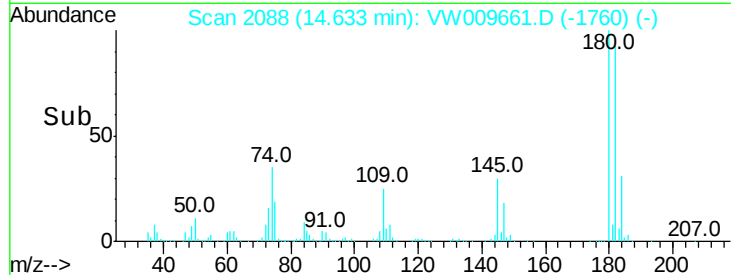
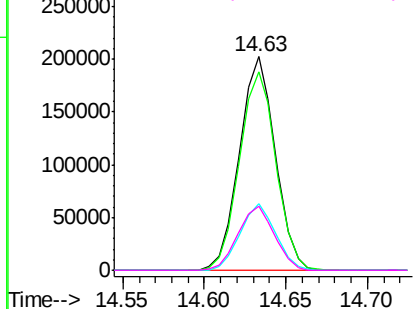
#67
 1,3,5-Trichlorobenzene
 Concen: 25.723 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:180 Resp: 309145
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.1 114.1
 184 30.9 23.8 35.6
 145 30.6 23.4 35.2

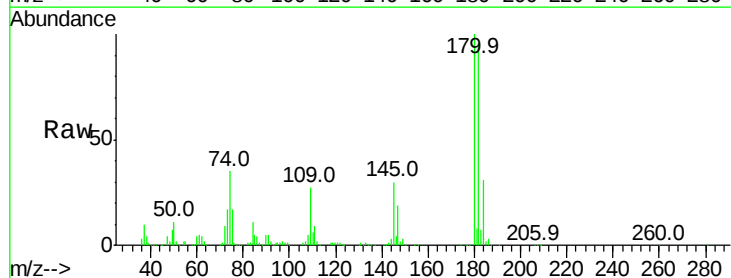


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

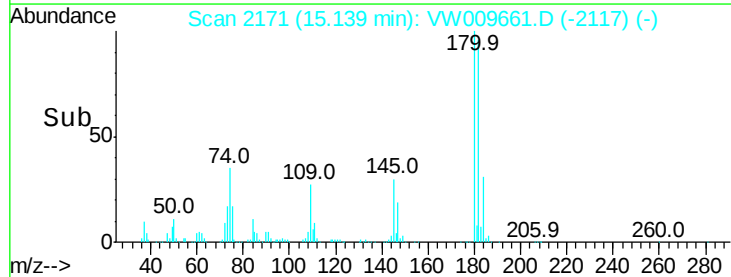
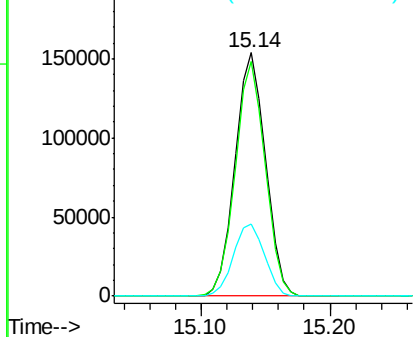


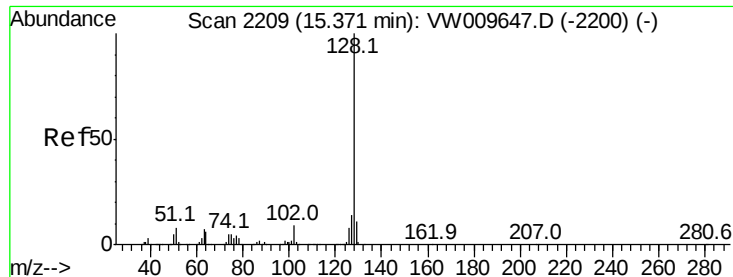
#68
 1,2,4-trichlorobenzene
 Concen: 24.942 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009661.D
 Acq: 03 Apr 2019 13:20

Tgt Ion:180 Resp: 251790
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.5 113.3
 145 30.4 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





#69

Naphthalene

Concen: 25.316 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

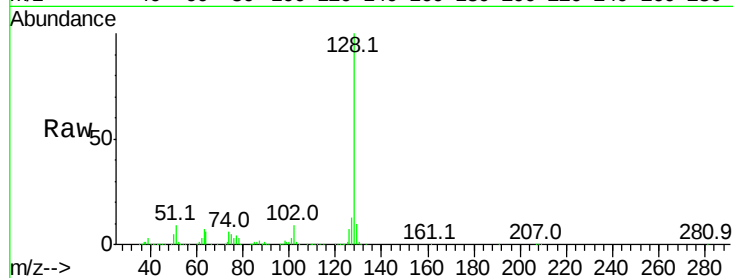
Tgt Ion:128 Resp: 529858

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

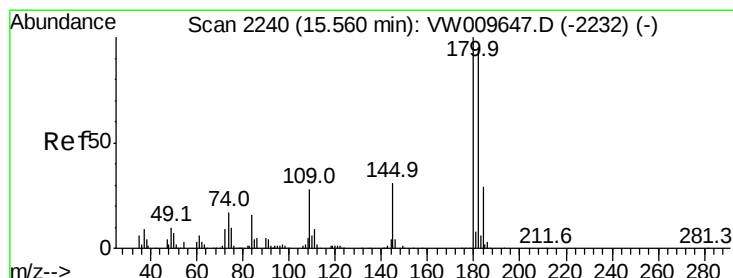
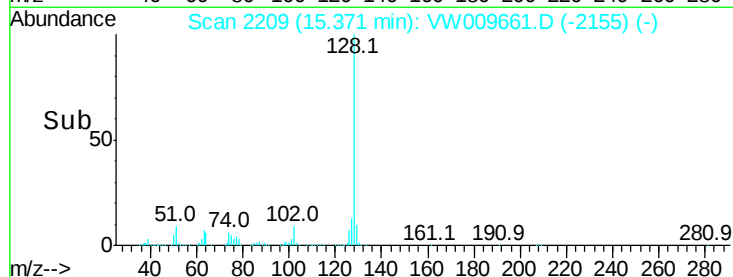
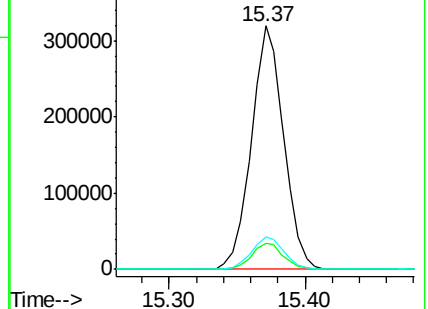
127 13.5 11.1 16.7



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: 25.435 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009661.D

Acq: 03 Apr 2019 13:20

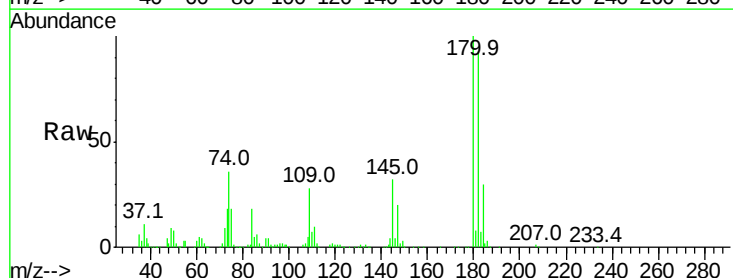
Tgt Ion:180 Resp: 240494

Ion Ratio Lower Upper

180 100

182 93.7 77.2 115.8

145 32.2 25.8 38.6



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

