

Data File : VW009171.D
Acq On : 14 Mar 2019 15:33
Operator : SY/VA
Sample : VSTD05064
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Mar 14 15:53:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 15:38:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	508784	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	482475	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	251696	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	296426	37.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	301216	42.39	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	606594	46.08	ug/L	0.00
20) 2-Butanone-d5	7.07	46	207865	88.08	ug/L	0.00
24) Chloroform-d	7.64	84	609161	49.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	358396	49.36	ug/L	0.00
29) Benzene-d6	8.27	84	1161196	50.13	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	348173	51.31	ug/L	0.00
37) Toluene-d8	10.32	98	1100992	47.47	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	185182	54.46	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	173096	93.64	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	338596	49.70	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	418485	46.66	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	335504	34.327	ug/L	95
3) Chloromethane	2.22	50	360215	35.655	ug/L	98
5) Vinyl chloride	2.37	62	405638	39.163	ug/L	97
6) Bromomethane	2.78	94	304448	44.329	ug/L	99
8) Chloroethane	2.93	64	298219	43.001	ug/L	91
9) Trichlorofluoromethane	3.25	101	293213	23.673	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	322077	44.029	ug/L	96
12) 1,1-Dichloroethene	4.04	96	314529	49.560	ug/L	85
13) Acetone	4.12	43	177885	79.443	ug/L	100
14) Carbon disulfide	4.38	76	915851	41.762	ug/L	100
15) Methyl Acetate	4.67	43	180115	40.330	ug/L	99
16) Methylene chloride	4.92	84	319596	38.846	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	423751	23.743	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	324033	46.376	ug/L	100
19) 1,1-Dichloroethane	6.21	63	586785	49.462	ug/L	99
21) 2-Butanone	7.17	43	262742	83.859	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	352556	47.047	ug/L	98
23) Bromochloromethane	7.51	128	162172	47.296	ug/L	95
25) Chloroform	7.67	83	618547	49.530	ug/L	99
27) 1,2-Dichloroethane	8.40	62	452187	49.789	ug/L	100
30) Cyclohexane	7.95	56	562398	49.523	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	473454	42.506	ug/L	99
32) Carbon tetrachloride	8.06	117	485356	47.679	ug/L	97
34) Benzene	8.32	78	1313048	50.165	ug/L	100
35) Trichloroethene	9.09	95	344830	48.810	ug/L	100
36) Methylcyclohexane	9.34	83	624505	49.818	ug/L	99
40) 1,2-Dichloropropane	9.37	63	328238	50.766	ug/L	99
41) Bromodichloromethane	9.64	83	466911	53.109	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	560823	53.473	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	566945	97.095	ug/L	99

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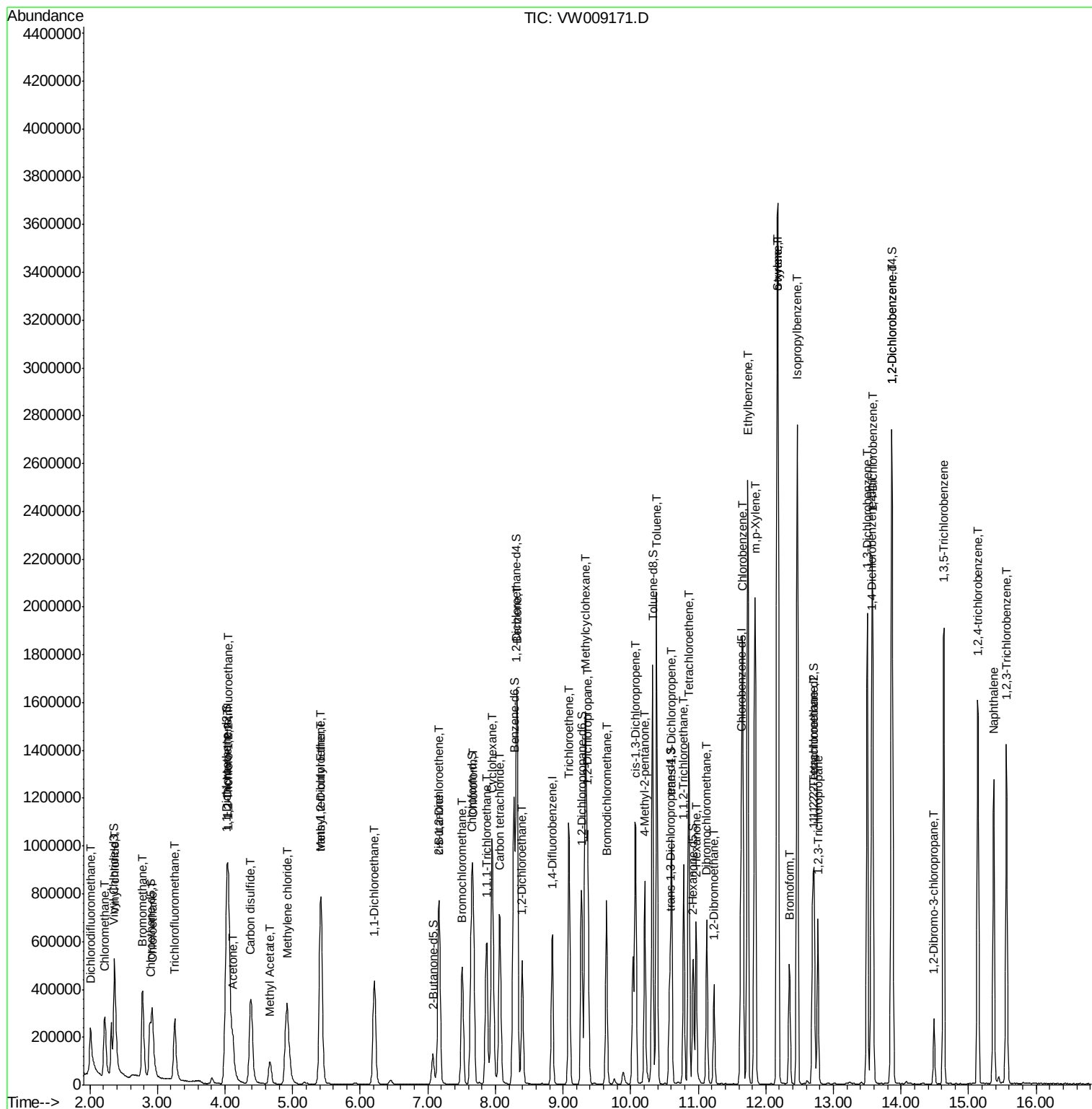
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1429637	47.511	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	483729	51.651	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	255614	47.284	ug/L	100
47) Tetrachloroethene	10.86	164	289986	45.088	ug/L	99
49) 2-Hexanone	10.97	43	428834	93.630	ug/L	98
50) Dibromochloromethane	11.13	129	332681	50.763	ug/L	95
51) 1,2-Dibromoethane	11.23	107	265762	48.601	ug/L	96
52) Chlorobenzene	11.66	112	916274	45.244	ug/L	100
53) Ethylbenzene	11.73	91	1661799	47.530	ug/L	99
54) m,p-Xylene	11.84	106	625239	45.477	ug/L	97
55) o-xylene	12.16	106	612071	46.278	ug/L	98
56) Styrene	12.18	104	1067074	48.106	ug/L	96
57) Isopropylbenzene	12.46	105	1685937	47.784	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	345839	47.685	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	258262	48.162	ug/L	98
62) Bromoform	12.35	173	211210	54.201	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	741146	45.116	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	753151	45.127	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	695114	45.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	62368	46.162	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	571025	44.148	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	486779	43.692	ug/L	100
69) Naphthalene	15.37	128	1034285	45.094	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	448501	43.808	ug/L	99

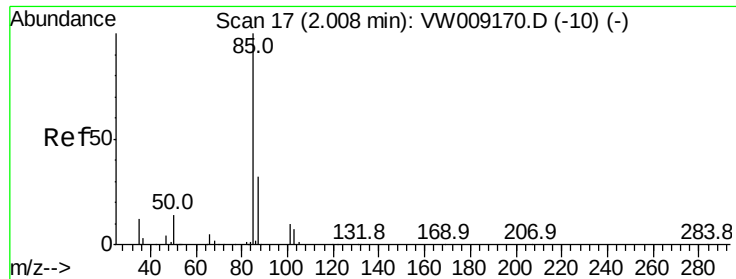
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 34.327 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampled :

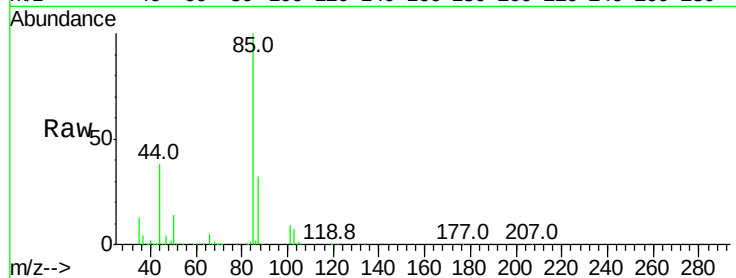
VSTD05004

Tgt Ion: 85 Resp: 335504

Ion Ratio Lower Upper

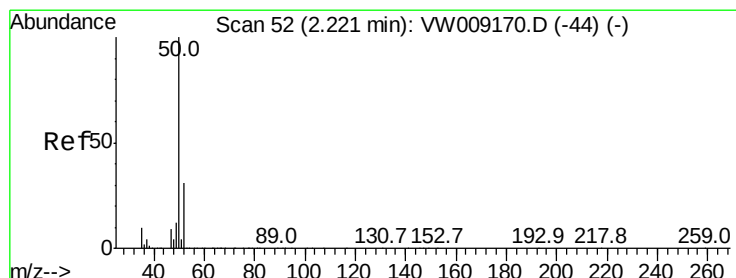
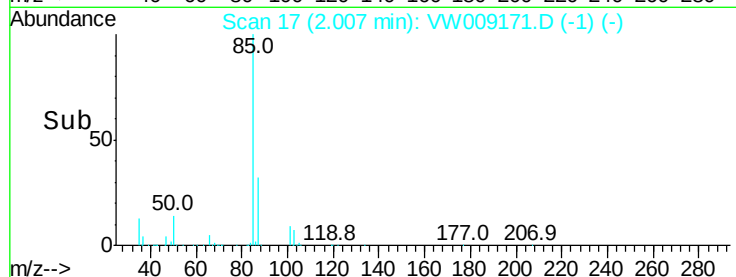
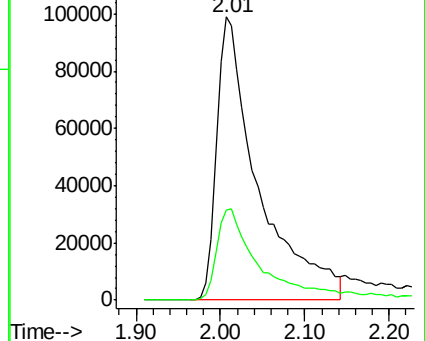
85 100

87 30.4 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 35.655 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009171.D

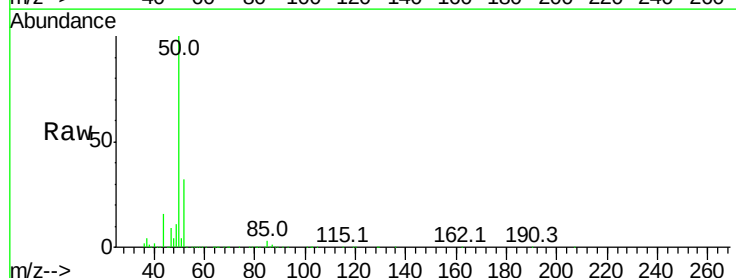
Acq: 14 Mar 2019 15:33

Tgt Ion: 50 Resp: 360215

Ion Ratio Lower Upper

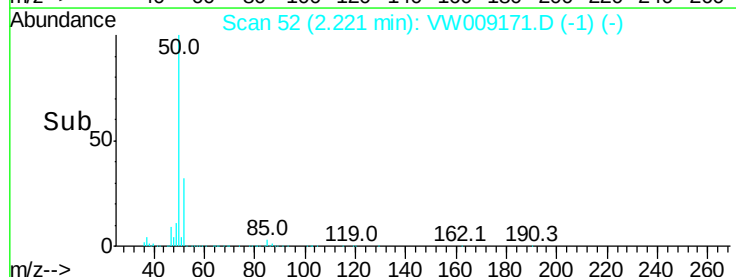
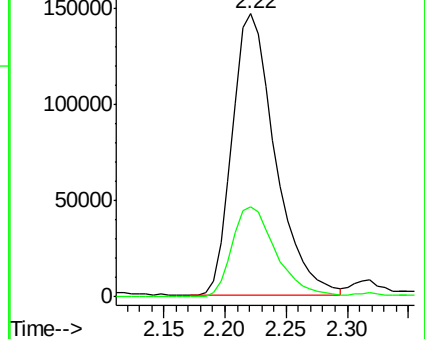
50 100

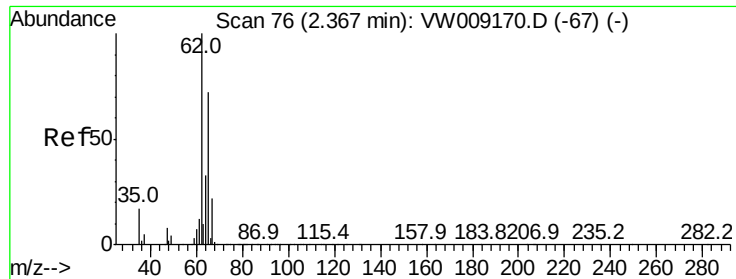
52 31.8 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 39.163 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

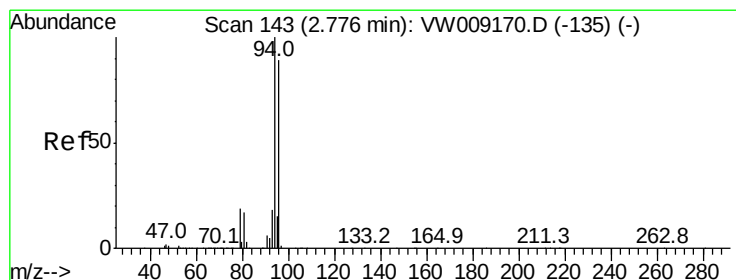
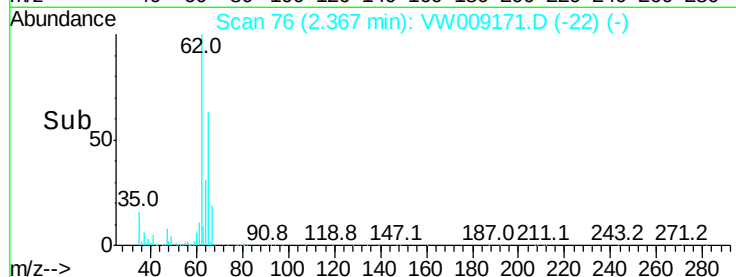
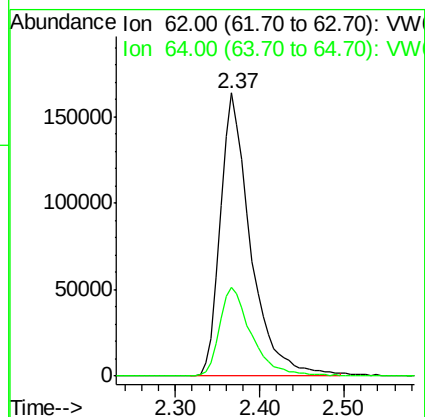
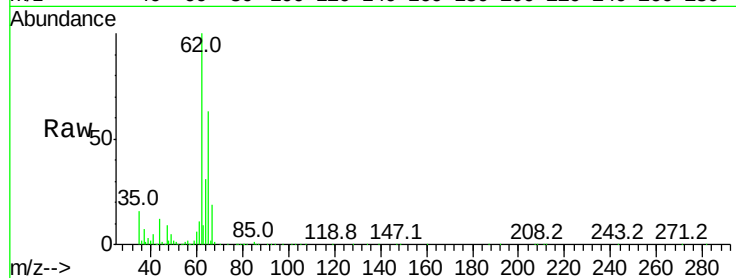
VSTD05004

Tgt Ion: 62 Resp: 405638

Ion Ratio Lower Upper

62 100

64 31.3 23.0 42.6



#6

Bromomethane

Concen: 44.329 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009171.D

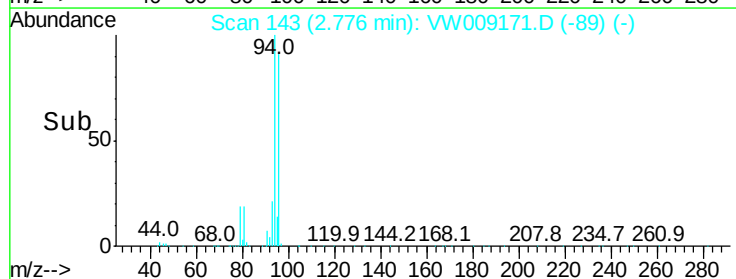
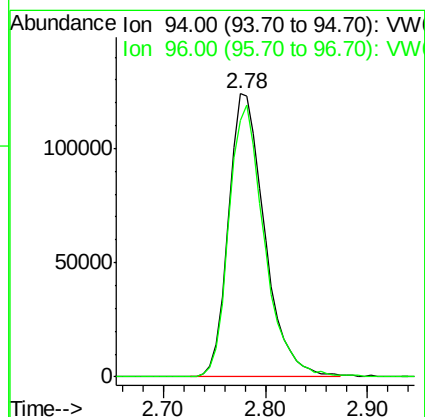
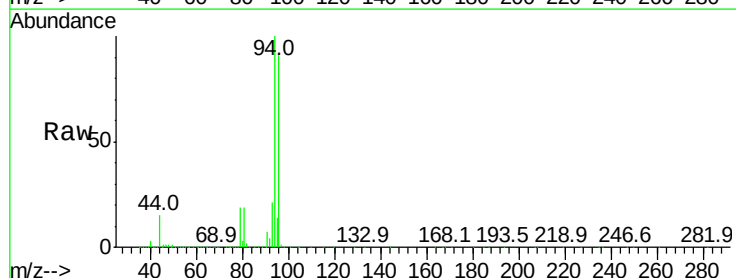
Acq: 14 Mar 2019 15:33

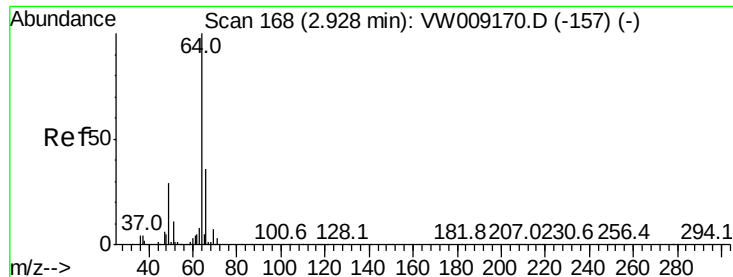
Tgt Ion: 94 Resp: 304448

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.4





#8

Chloroethane

Concen: 43.001 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

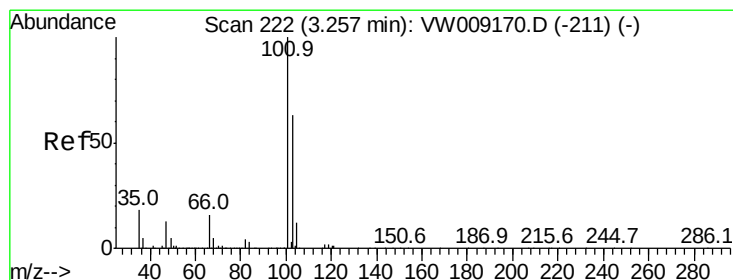
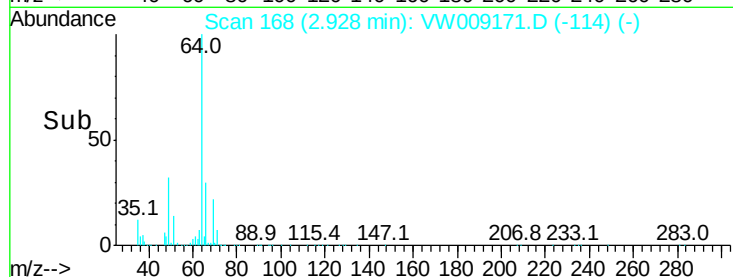
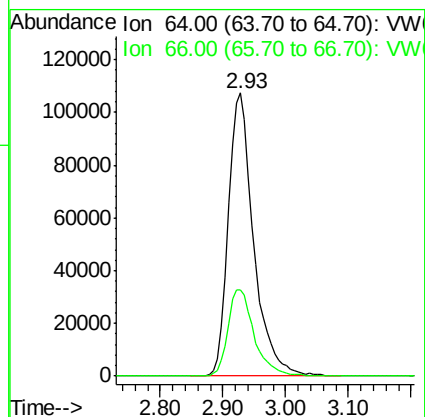
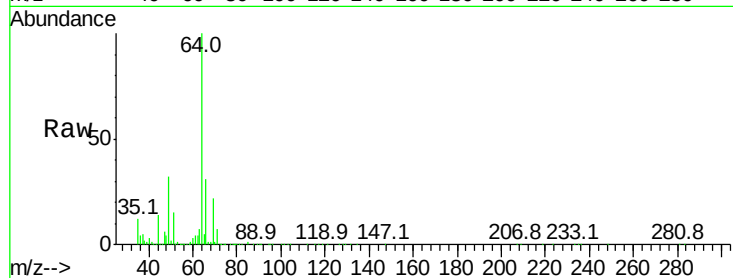
VSTD05004

Tgt Ion: 64 Resp: 298219

Ion Ratio Lower Upper

64 100

66 30.5 25.1 46.7



#9

Trichlorofluoromethane

Concen: 23.673 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW009171.D

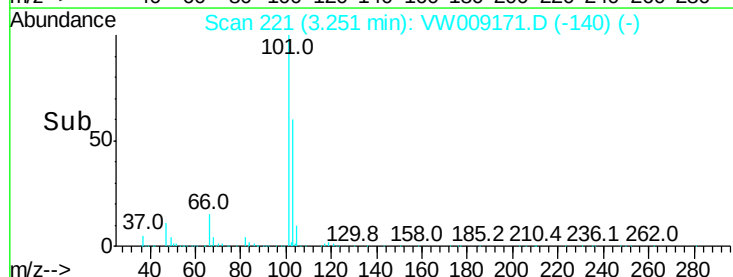
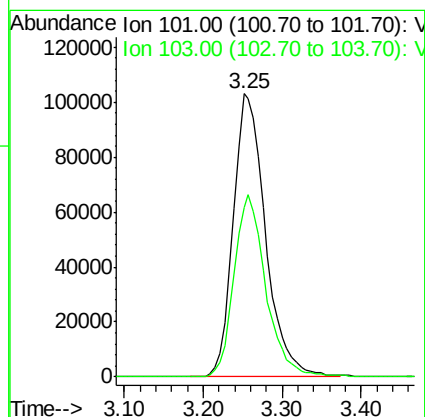
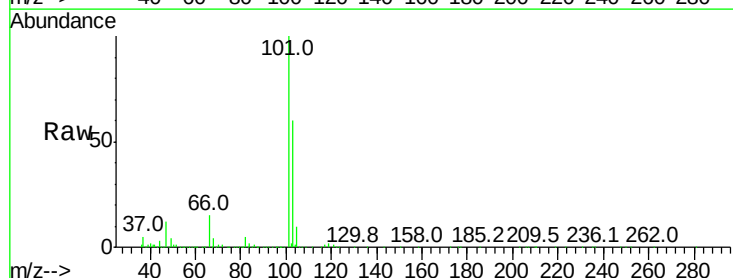
Acq: 14 Mar 2019 15:33

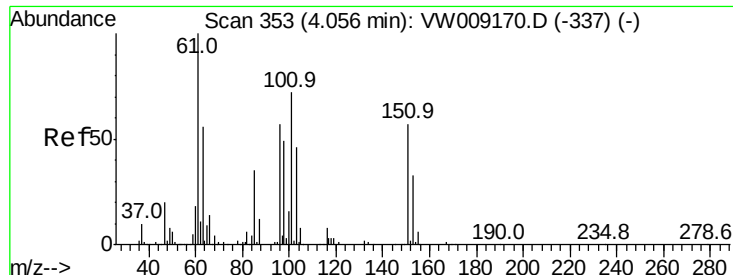
Tgt Ion: 101 Resp: 293213

Ion Ratio Lower Upper

101 100

103 63.2 45.0 83.6





#11

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

Concen: 44.029 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

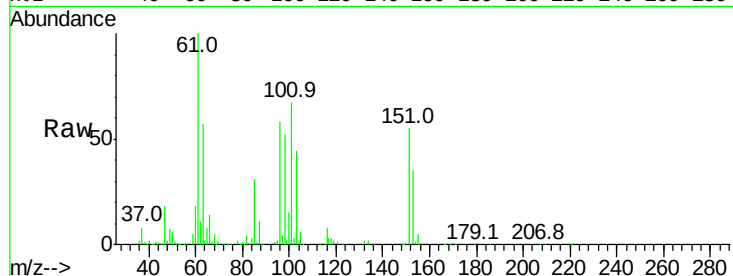
Tgt Ion: 101 Resp: 322077

Ion Ratio Lower Upper

101 100

85 40.9 32.6 48.8

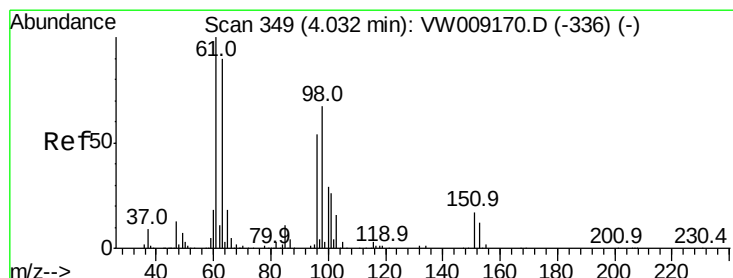
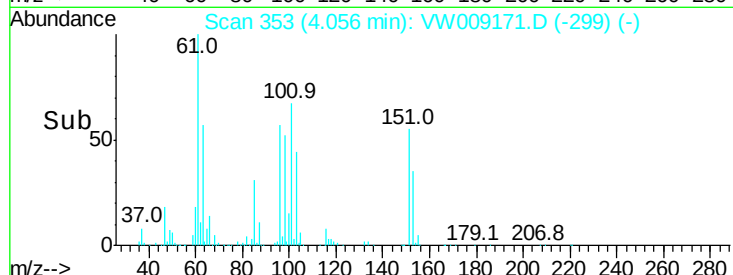
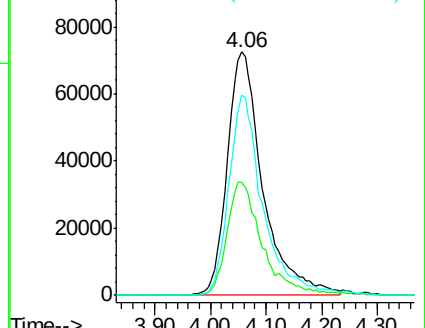
151 74.1 63.3 94.9



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: 49.560 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

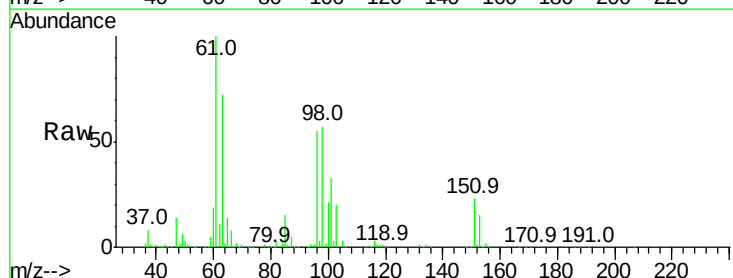
Tgt Ion: 96 Resp: 314529

Ion Ratio Lower Upper

96 100

61 180.2 129.4 240.2

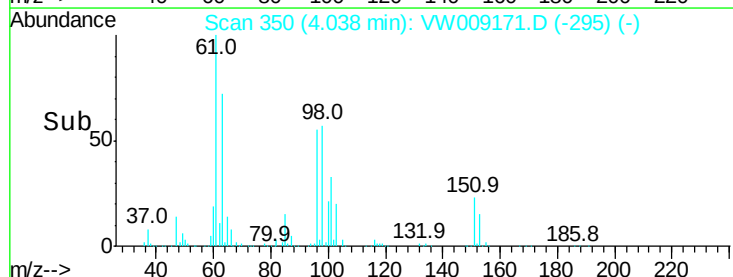
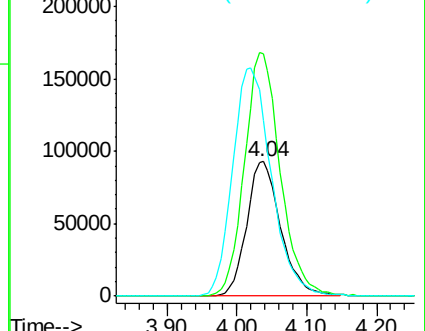
63 130.1 116.8 217.0

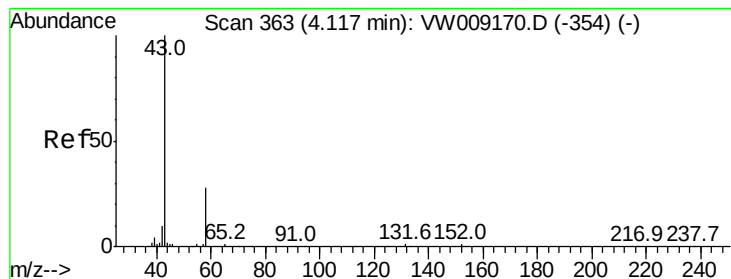


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 79.443 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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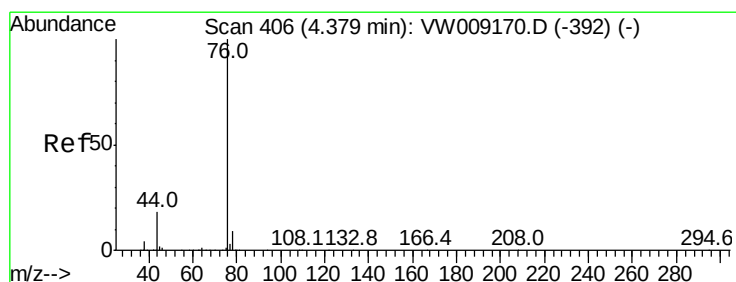
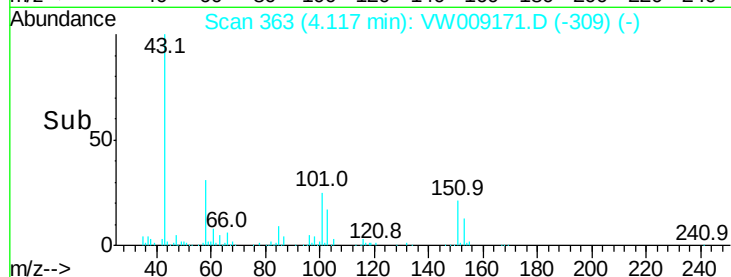
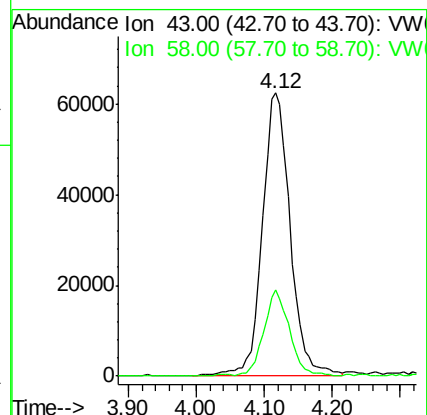
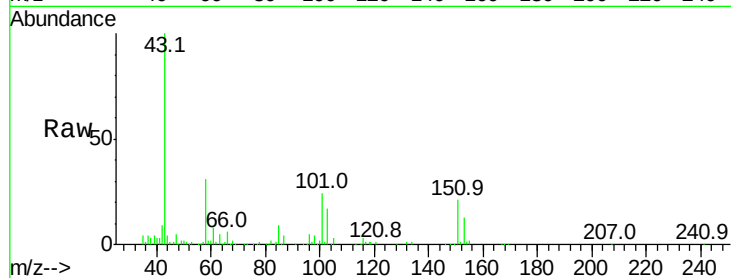
VSTD05004

Tgt Ion: 43 Resp: 177885

Ion Ratio Lower Upper

43 100

58 28.3 0.0 56.2



#14

Carbon disulfide

Concen: 41.762 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009171.D

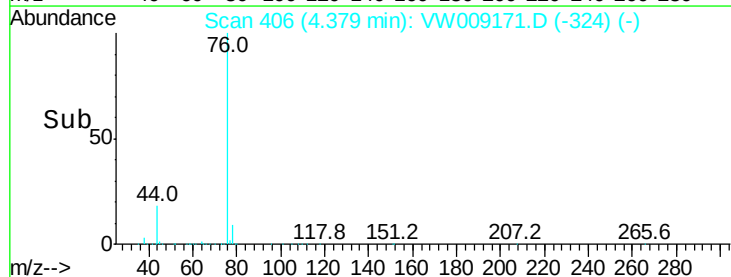
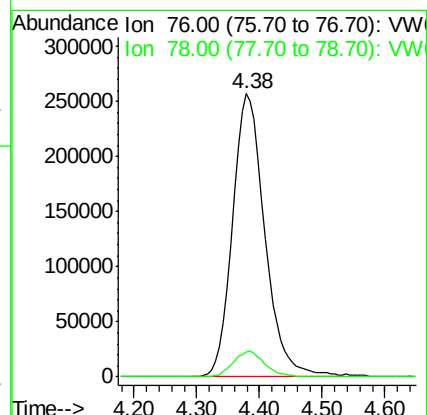
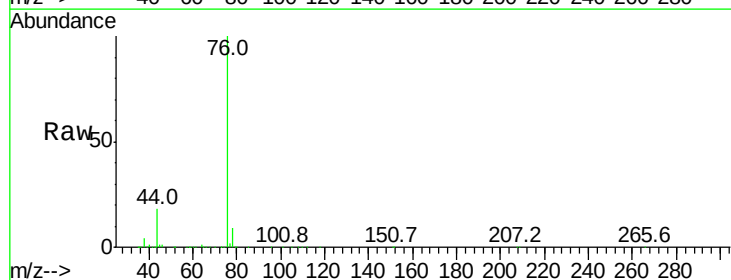
Acq: 14 Mar 2019 15:33

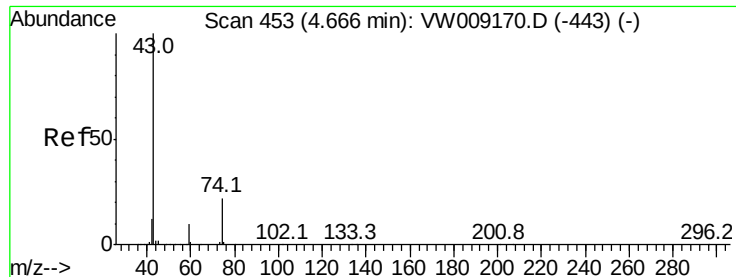
Tgt Ion: 76 Resp: 915851

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 40.330 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

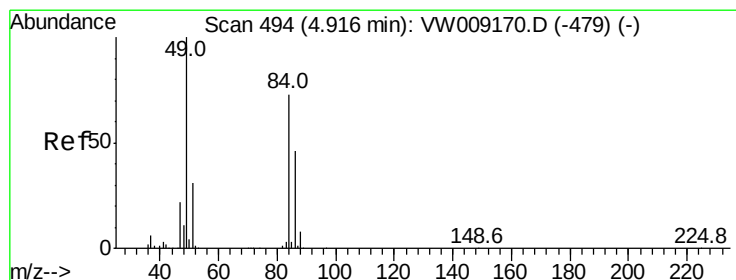
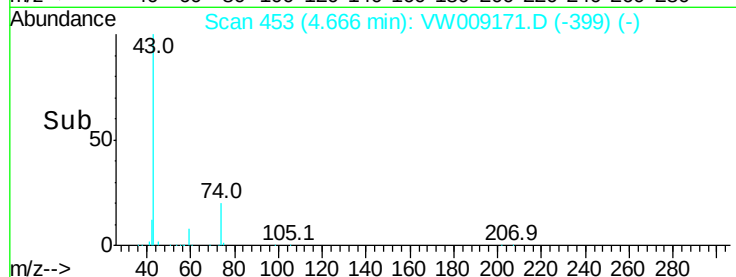
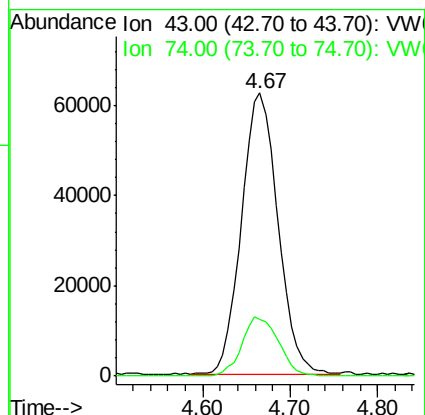
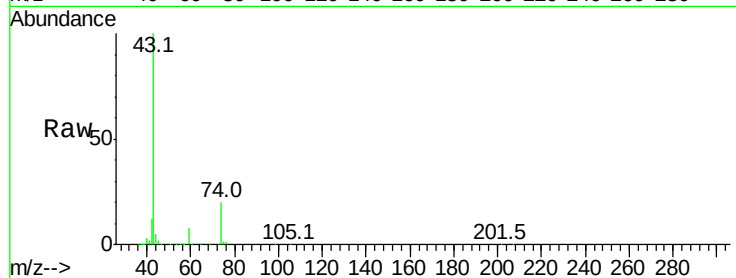
VSTD05004

Tgt Ion: 43 Resp: 180115

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1



#16

Methylene chloride

Concen: 38.846 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

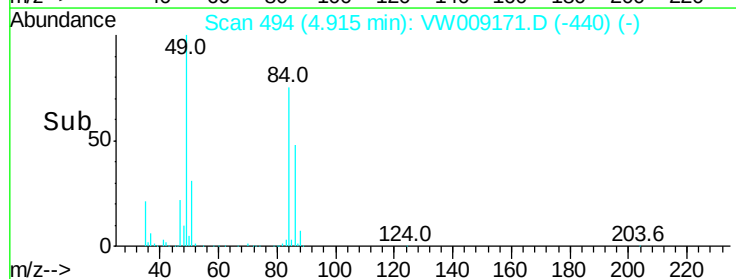
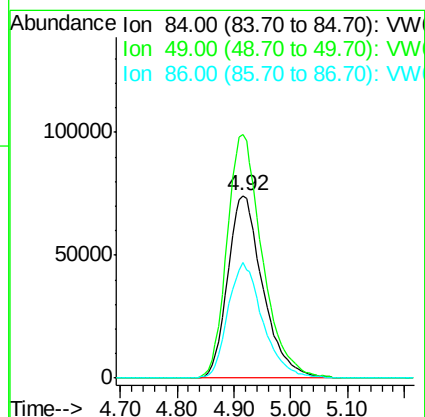
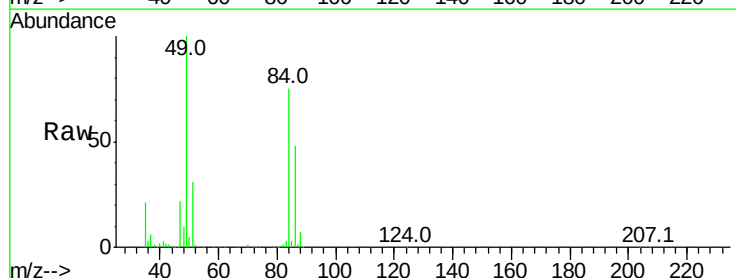
Tgt Ion: 84 Resp: 319596

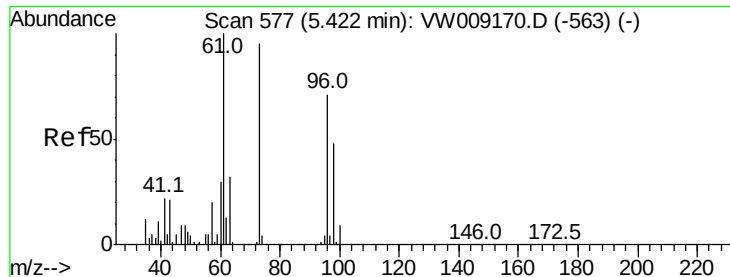
Ion Ratio Lower Upper

84 100

49 133.3 96.0 178.2

86 63.5 44.4 82.5





#17

Methyl tert-butyl Ether

Concen: 23.743 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

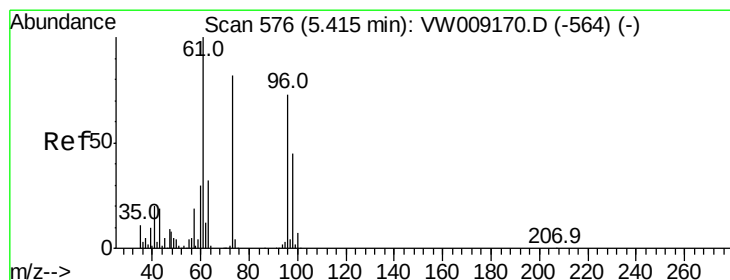
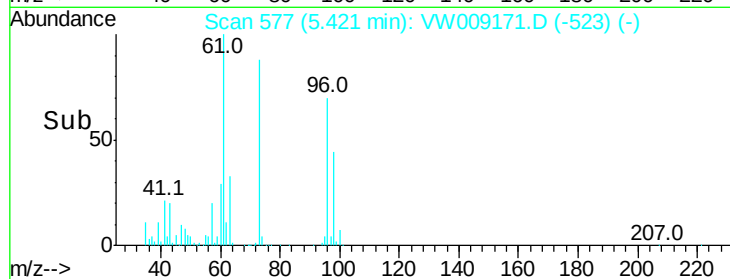
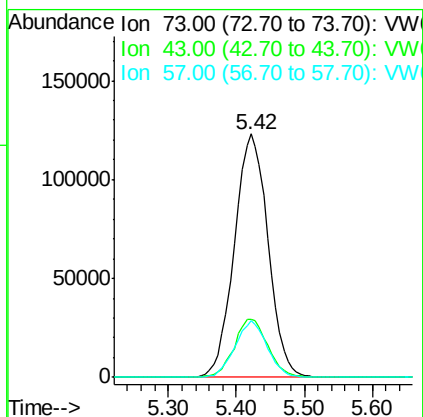
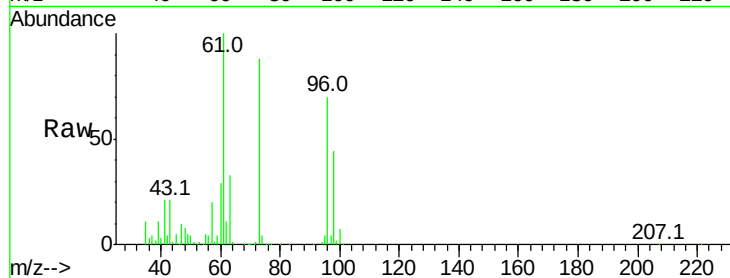
Tgt Ion: 73 Resp: 423751

Ion Ratio Lower Upper

73 100

43 23.4 18.2 27.4

57 22.1 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 46.376 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

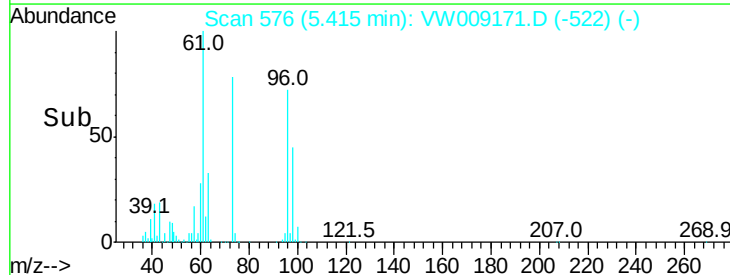
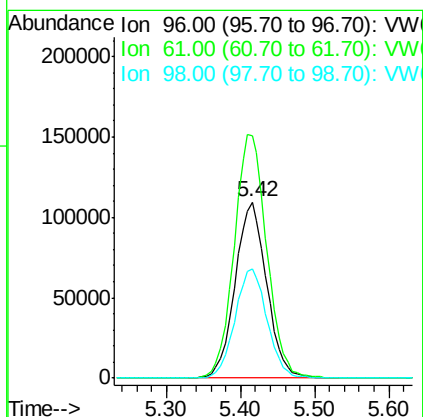
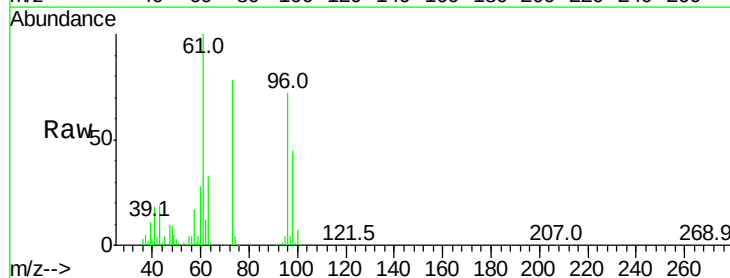
Tgt Ion: 96 Resp: 324033

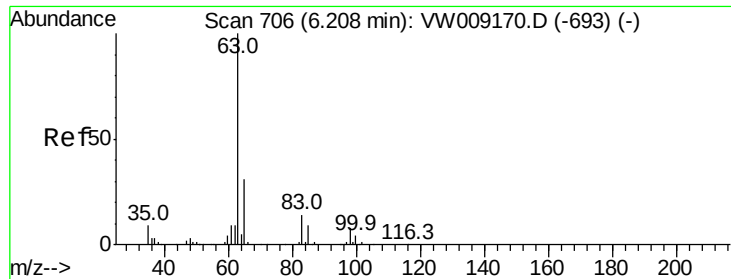
Ion Ratio Lower Upper

96 100

61 138.0 96.7 179.5

98 61.7 43.8 81.4

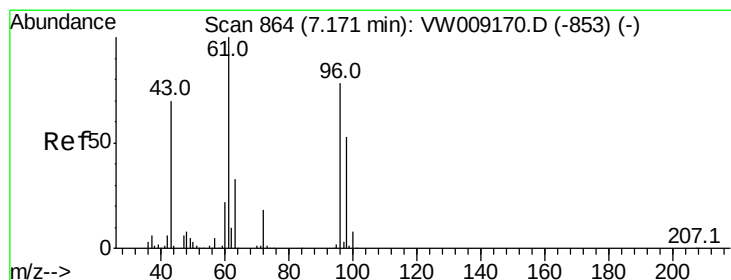
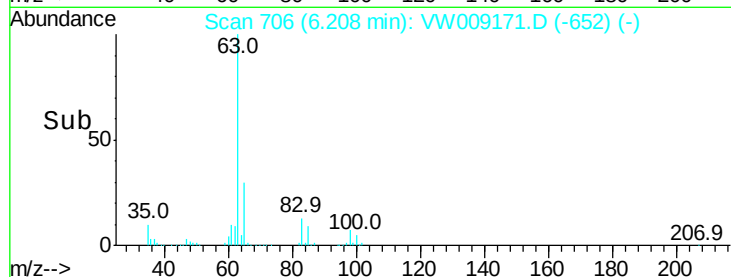
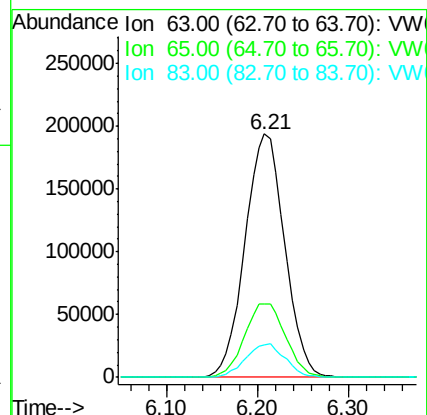
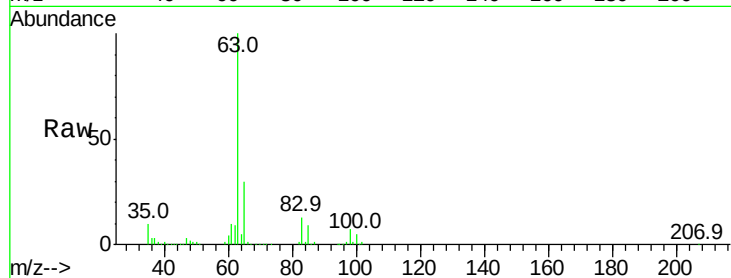




#19
 1,1-Dichloroethane
 Concen: 49.462 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

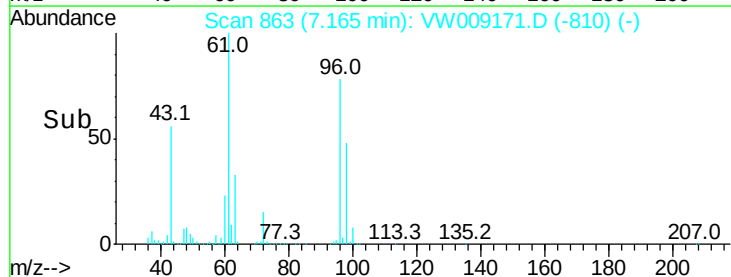
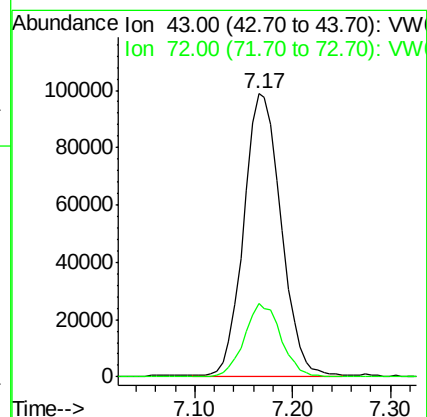
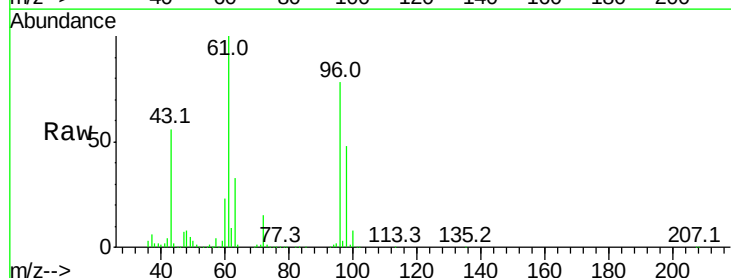
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

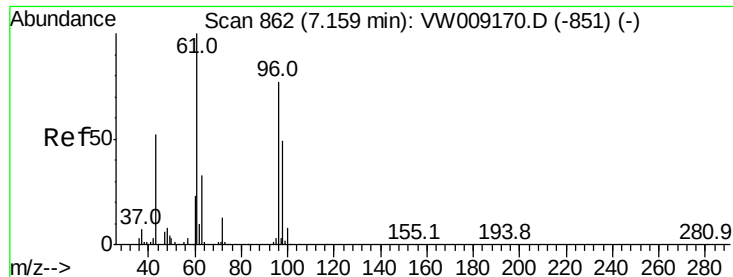
Tgt Ion: 63 Resp: 586785
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.6 40.0
 83 13.3 10.1 18.7



#21
 2-Butanone
 Concen: 83.859 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion: 43 Resp: 262742
 Ion Ratio Lower Upper
 43 100
 72 25.3 13.1 39.1



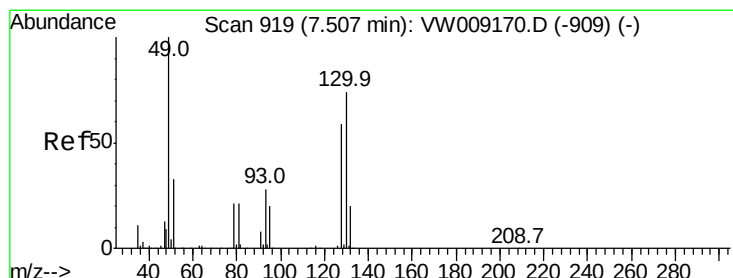
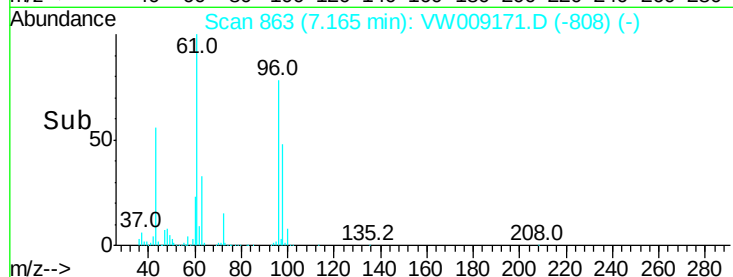
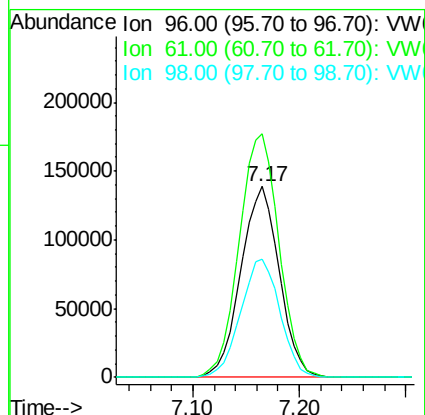
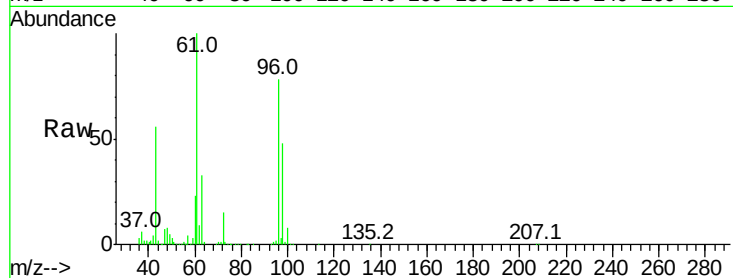


#22

cis-1,2-Dichloroethene
Concen: 47.047 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009171.D
Acq: 14 Mar 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

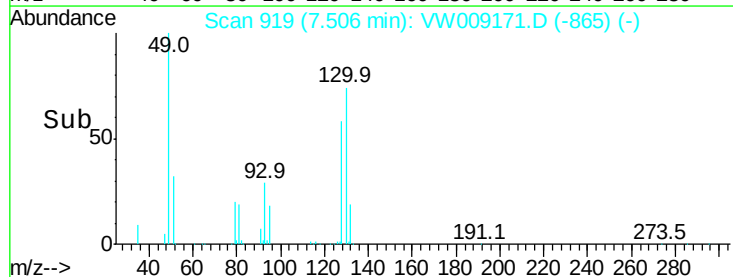
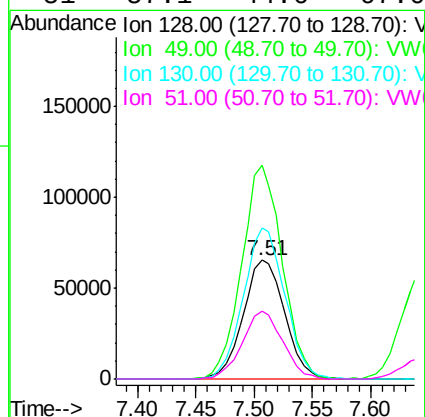
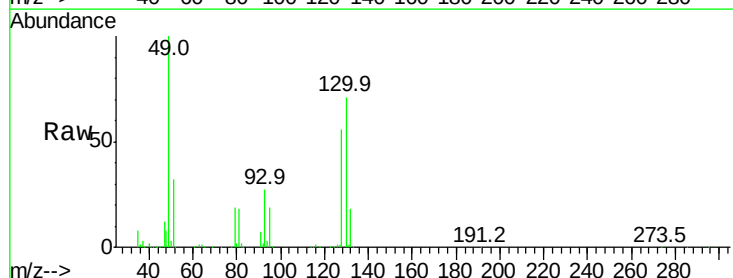
Tgt Ion: 96 Resp: 352556
Ion Ratio Lower Upper
96 100
61 127.7 90.6 168.3
98 61.8 44.0 81.8

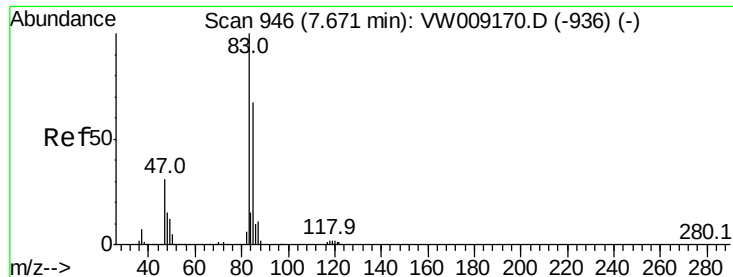


#23

Bromochloromethane
Concen: 47.296 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009171.D
Acq: 14 Mar 2019 15:33

Tgt Ion: 128 Resp: 162172
Ion Ratio Lower Upper
128 100
49 180.2 118.4 219.8
130 127.0 87.8 163.2
51 57.1 44.6 67.0





#25

Chloroform

Concen: 49.530 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

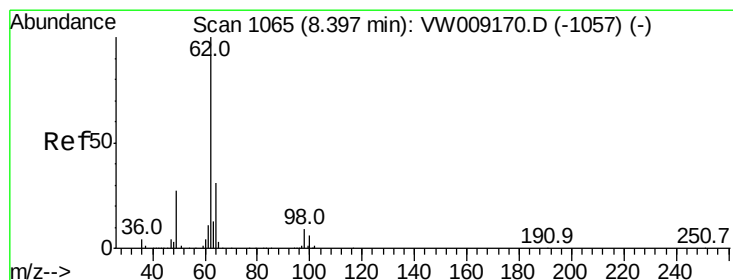
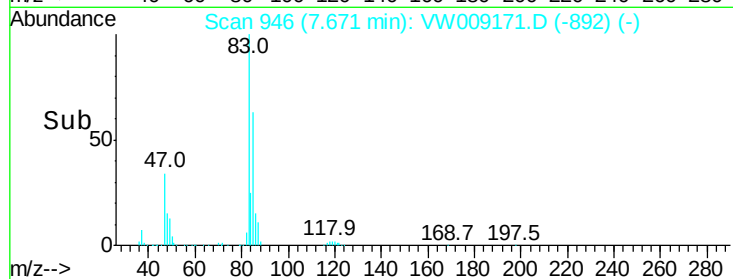
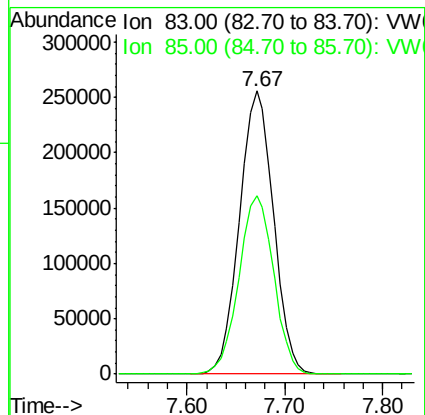
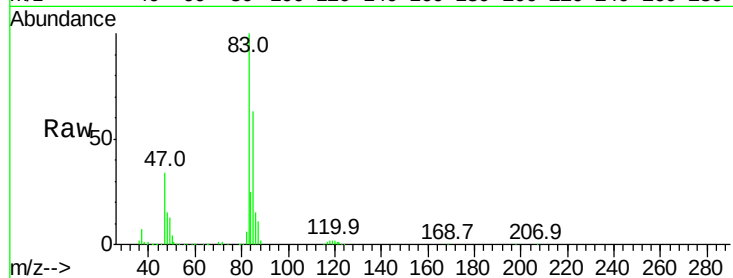
VSTD05004

Tgt Ion: 83 Resp: 618547

Ion Ratio Lower Upper

83 100

85 64.5 46.0 85.4



#27

1,2-Dichloroethane

Concen: 49.789 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009171.D

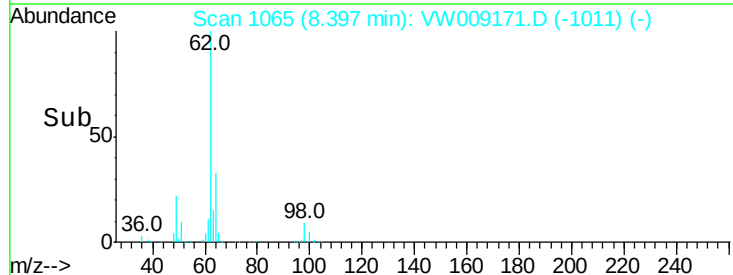
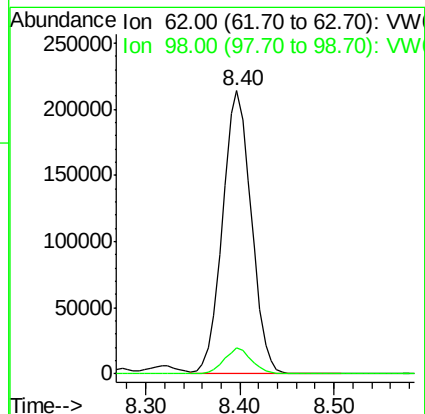
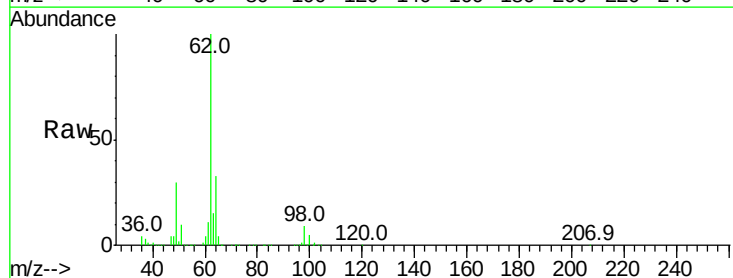
Acq: 14 Mar 2019 15:33

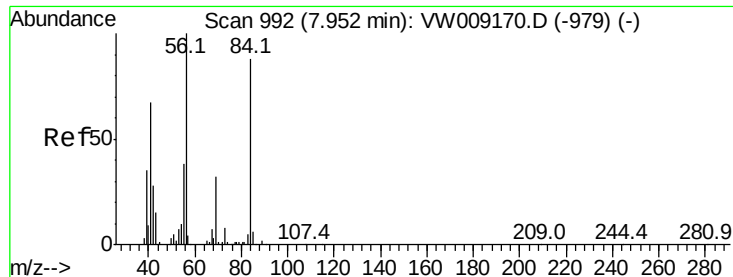
Tgt Ion: 62 Resp: 452187

Ion Ratio Lower Upper

62 100

98 9.2 7.3 10.9

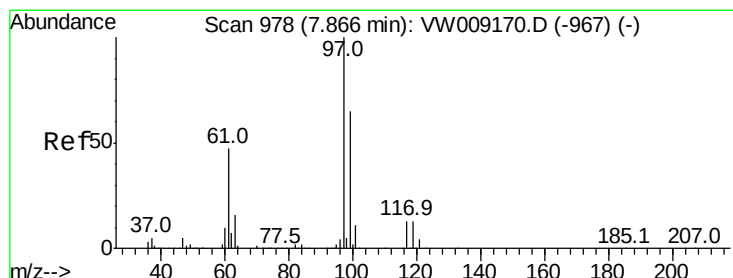
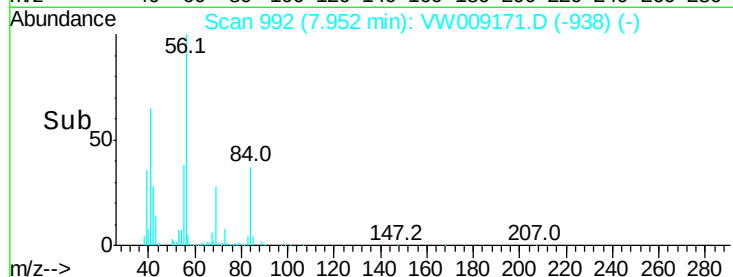
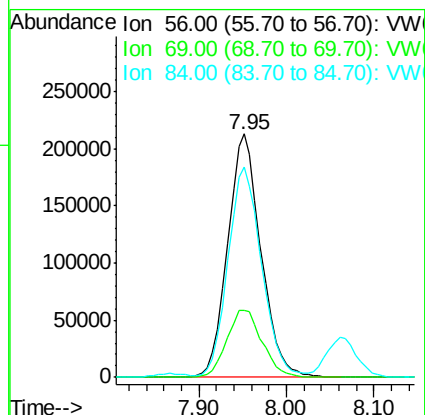
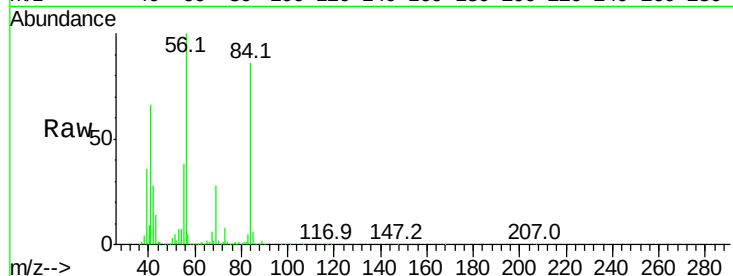




#30
Cyclohexane
Concen: 49.523 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009171.D
Acq: 14 Mar 2019 15:33

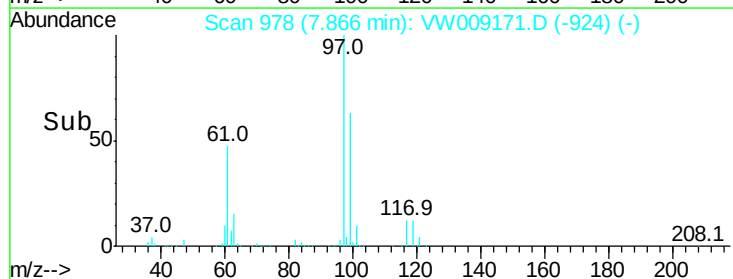
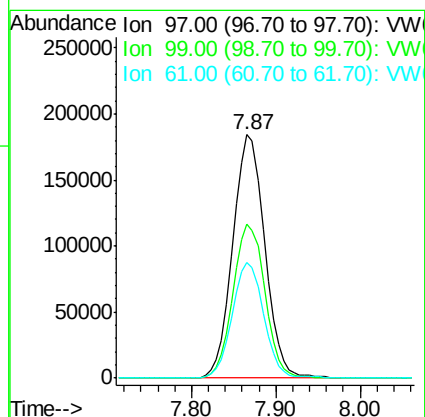
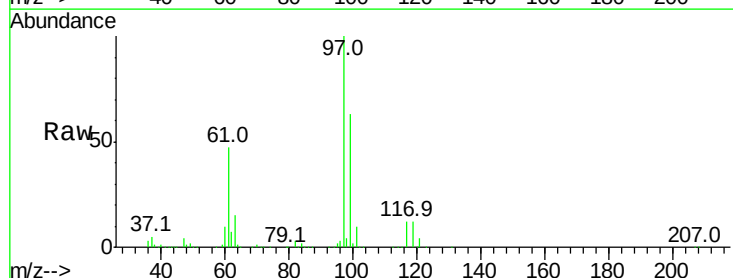
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

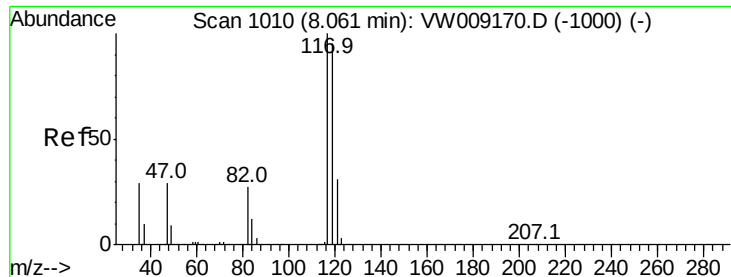
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.0	36.0
84	87.4	69.2	103.8



#31
1,1,1-Trichloroethane
Concen: 42.506 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009171.D
Acq: 14 Mar 2019 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.2	76.8
61	47.1	38.4	57.6





#32

Carbon tetrachloride

Concen: 47.679 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

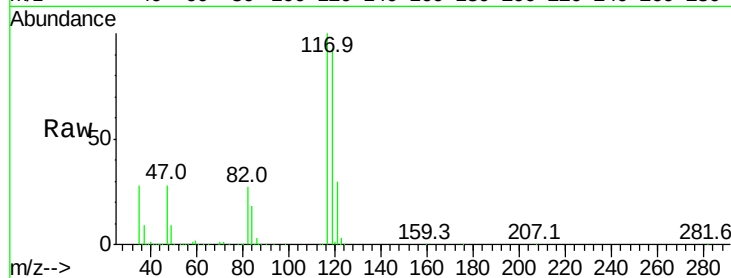
VSTD05004

Tgt Ion:117 Resp: 485356

Ion Ratio Lower Upper

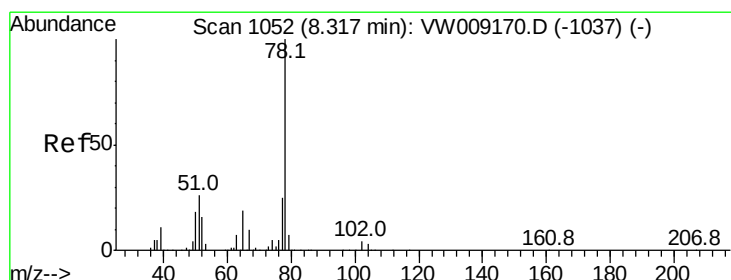
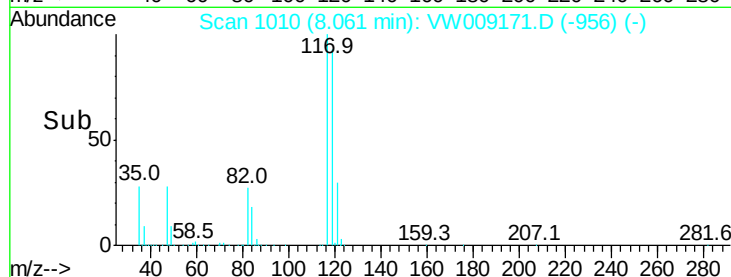
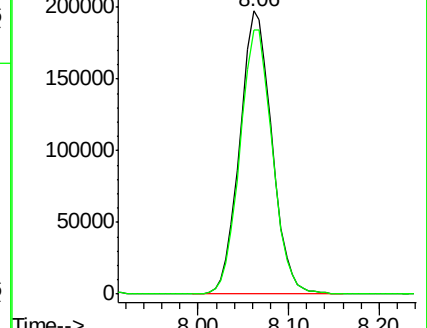
117 100

119 95.0 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 50.165 ug/L

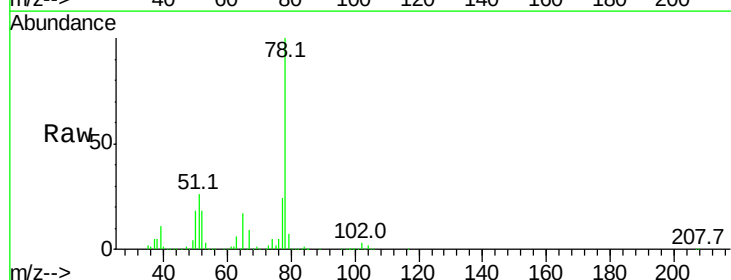
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

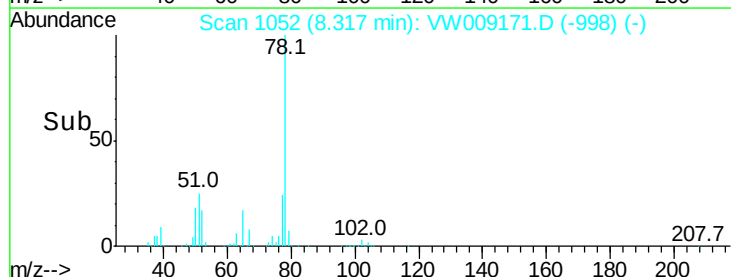
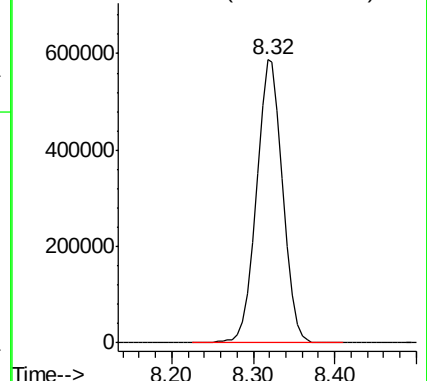
Lab File: VW009171.D

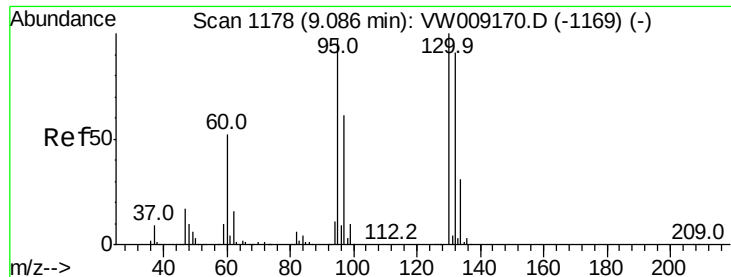
Acq: 14 Mar 2019 15:33

Tgt Ion: 78 Resp: 1313048



Abundance Ion 78.00 (77.70 to 78.70): VW

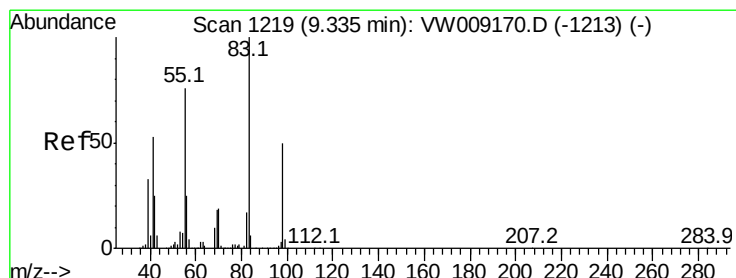
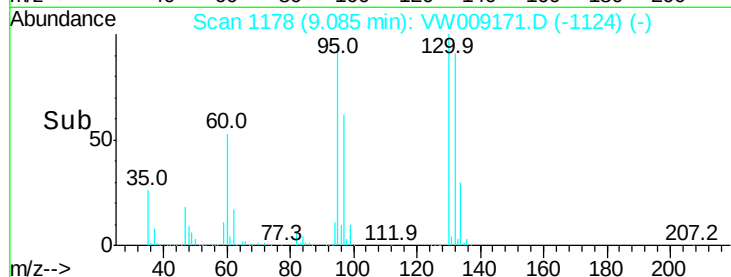
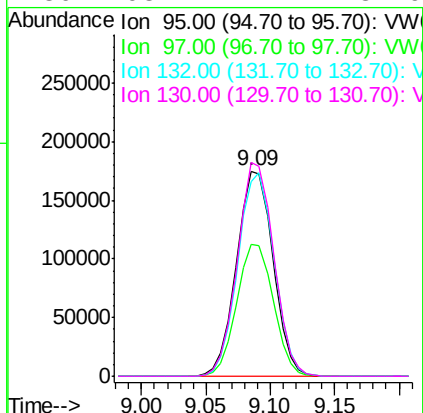
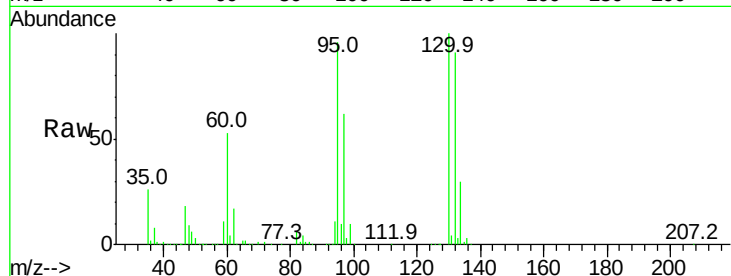




#35
 Trichloroethene
 Concen: 48.810 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

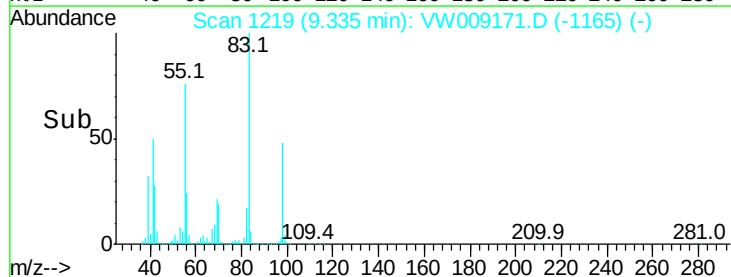
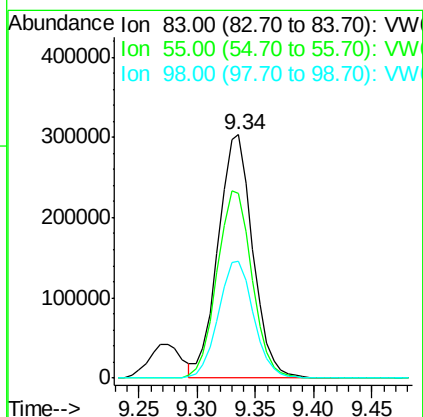
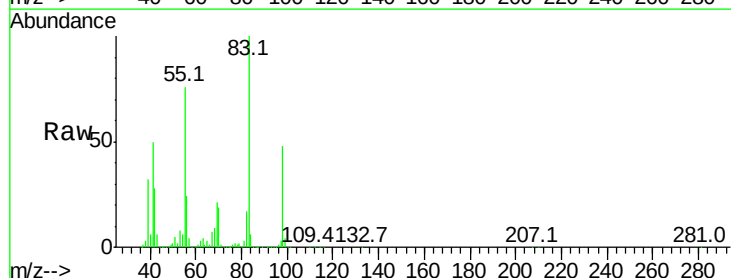
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

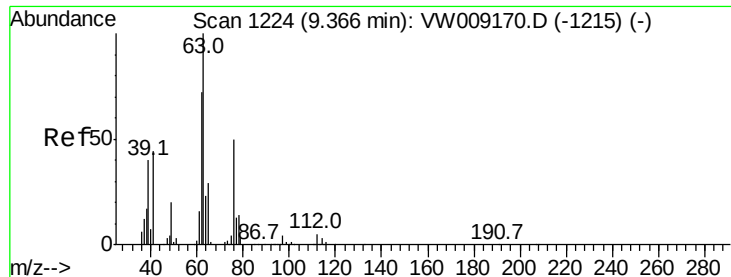
Tgt Ion: 95 Resp: 344830
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.7 82.9
 132 98.6 69.0 128.2
 130 103.2 72.7 134.9



#36
 Methylcyclohexane
 Concen: 49.818 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion: 83 Resp: 624505
 Ion Ratio Lower Upper
 83 100
 55 78.0 63.5 95.3
 98 49.2 39.8 59.8





#40

1,2-Dichloropropane

Concen: 50.766 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

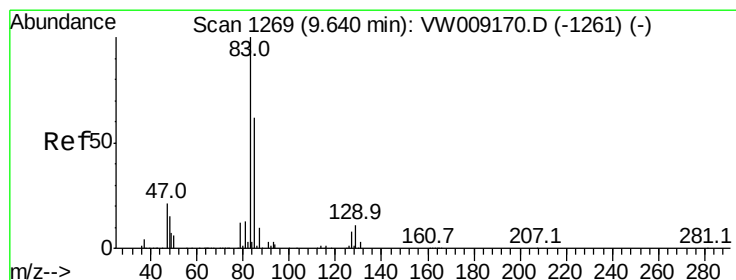
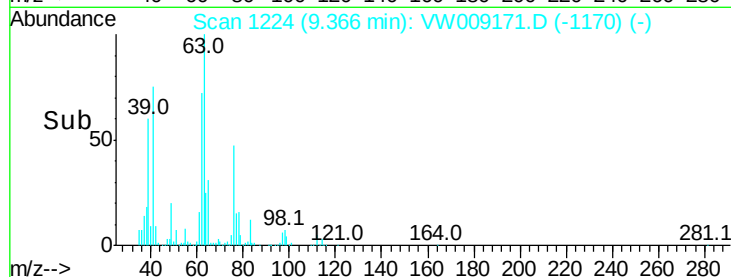
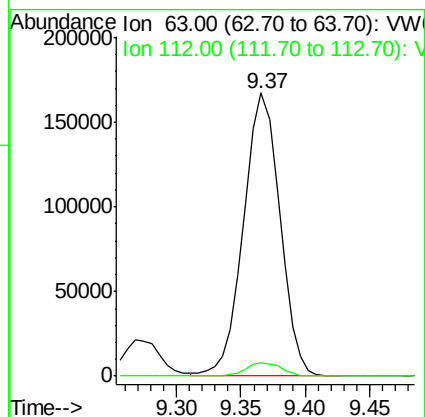
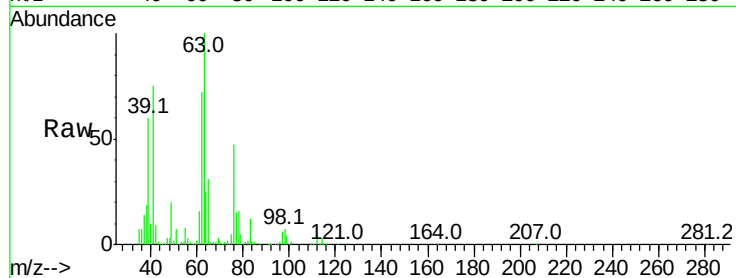
VSTD05004

Tgt Ion: 63 Resp: 328238

Ion Ratio Lower Upper

63 100

112 4.6 4.0 6.0



#41

Bromodichloromethane

Concen: 53.109 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

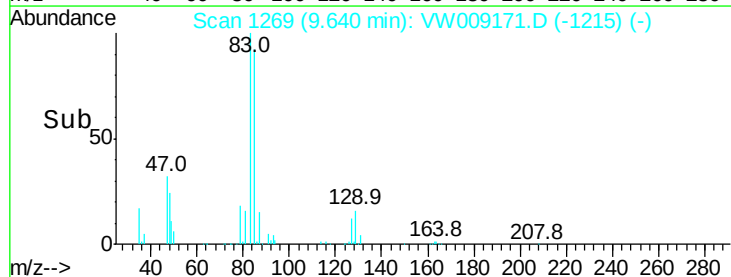
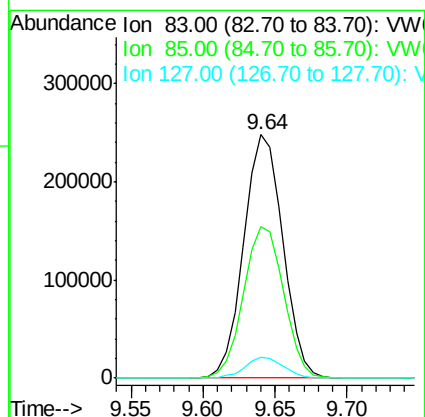
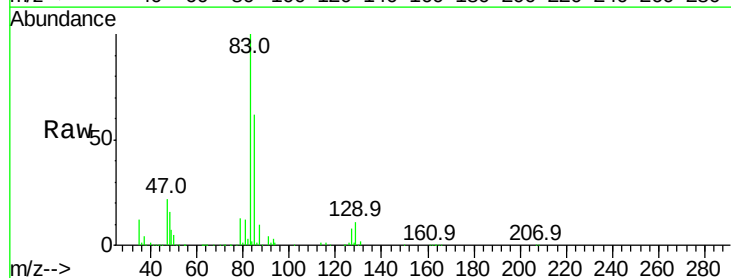
Tgt Ion: 83 Resp: 466911

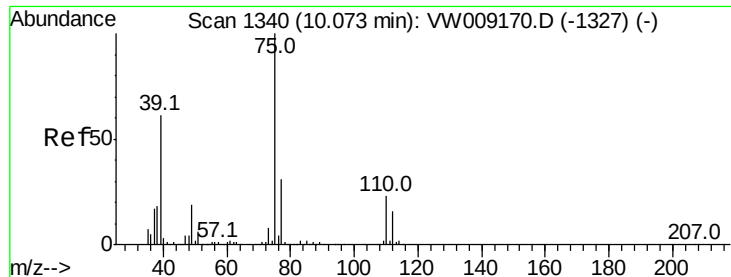
Ion Ratio Lower Upper

83 100

85 62.3 43.5 80.7

127 8.3 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 53.473 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

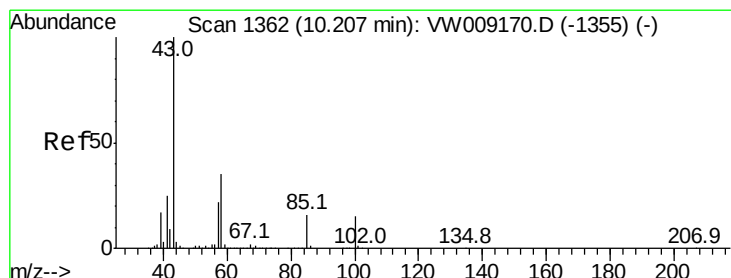
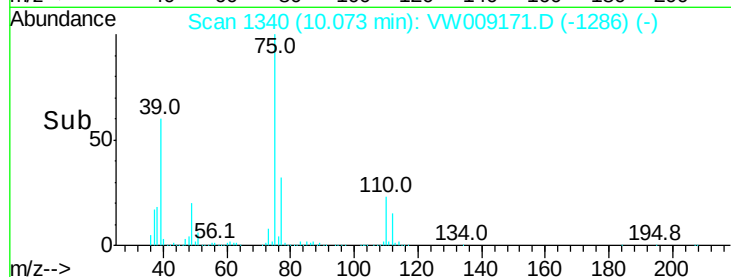
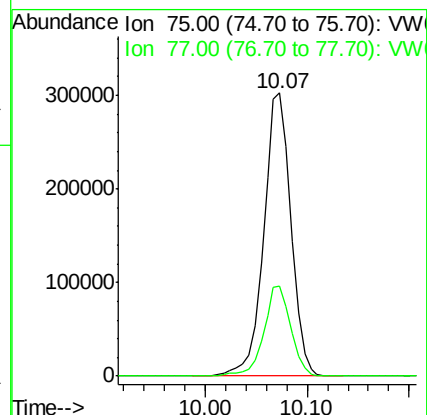
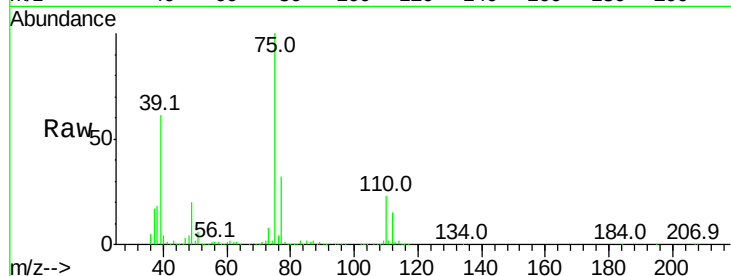
VSTD05004

Tgt Ion: 75 Resp: 560823

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 97.095 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

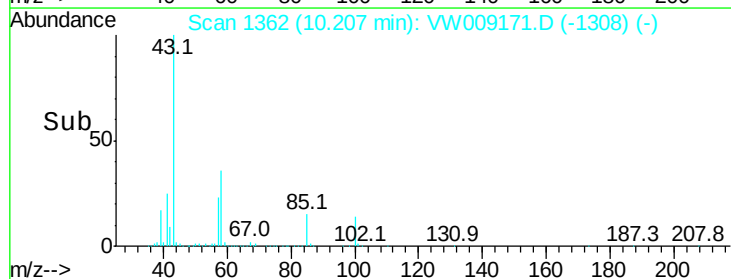
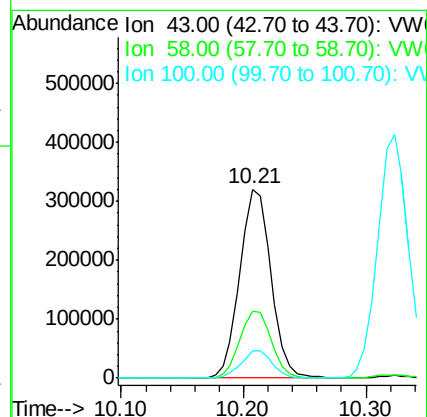
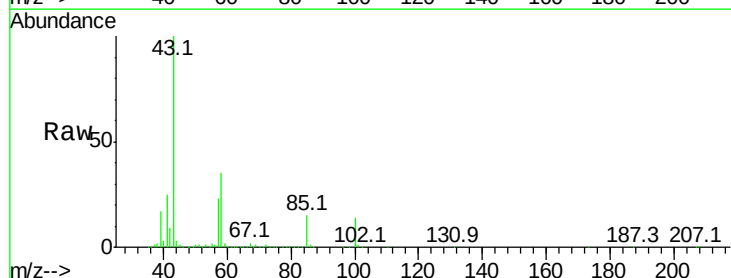
Tgt Ion: 43 Resp: 566945

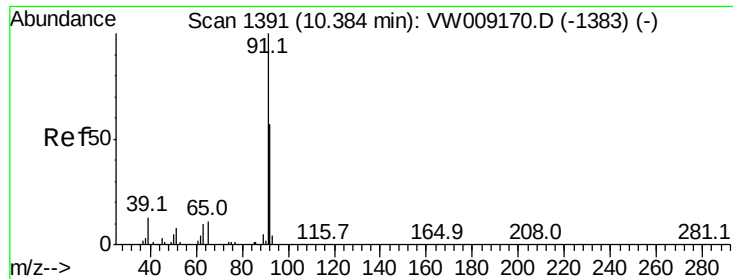
Ion Ratio Lower Upper

43 100

58 36.1 28.2 42.2

100 14.5 11.4 17.2





#44

Toluene

Concen: 47.511 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

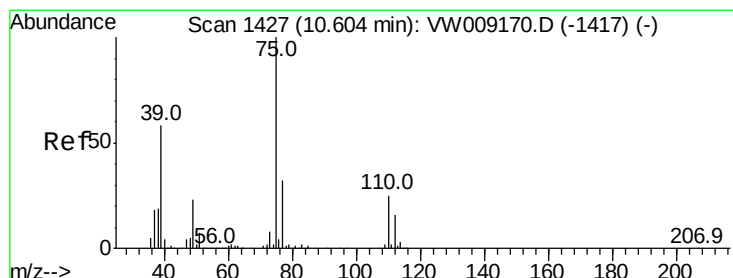
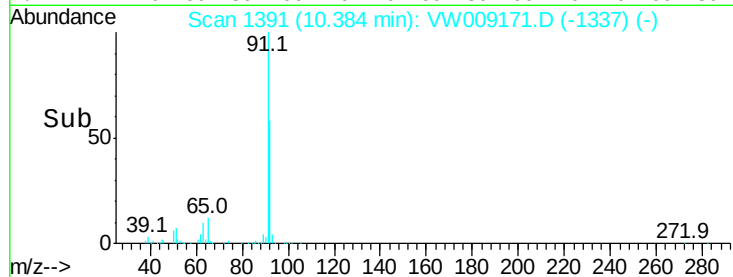
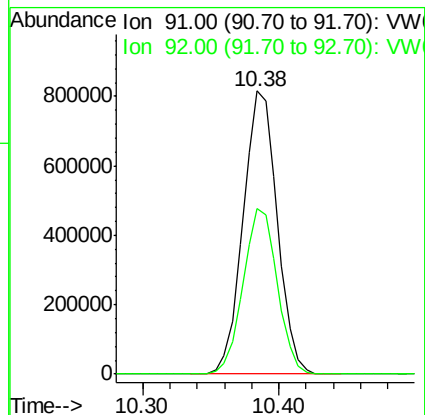
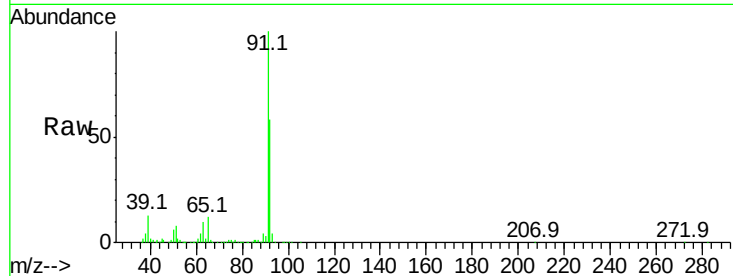
VSTD05004

Tgt Ion: 91 Resp: 1429637

Ion Ratio Lower Upper

91 100

92 58.5 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 51.651 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009171.D

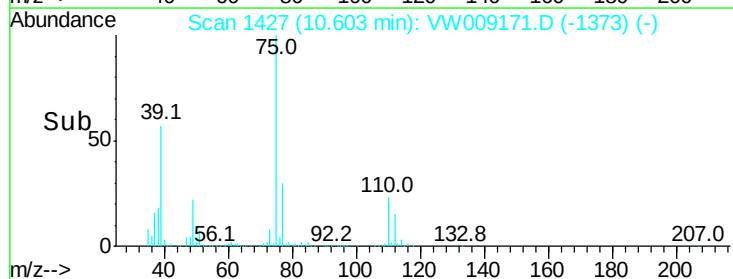
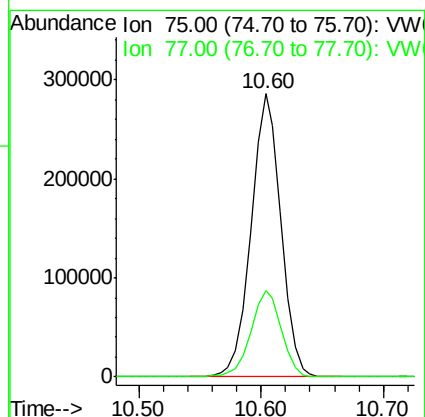
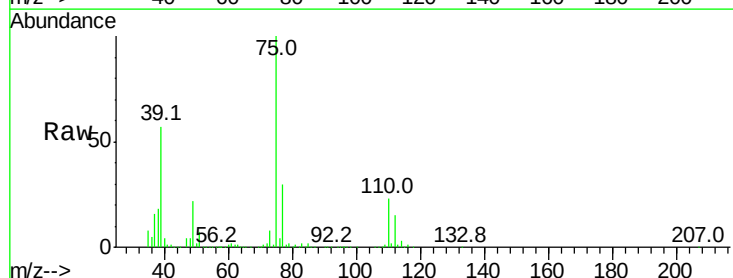
Acq: 14 Mar 2019 15:33

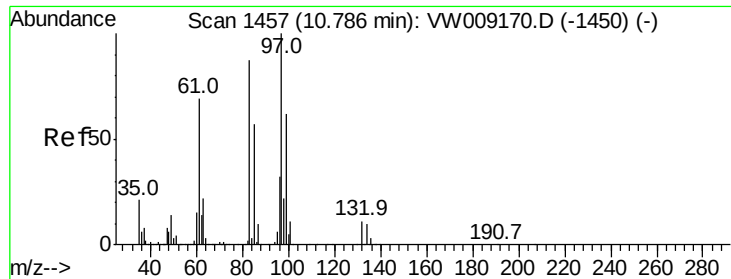
Tgt Ion: 75 Resp: 483729

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7

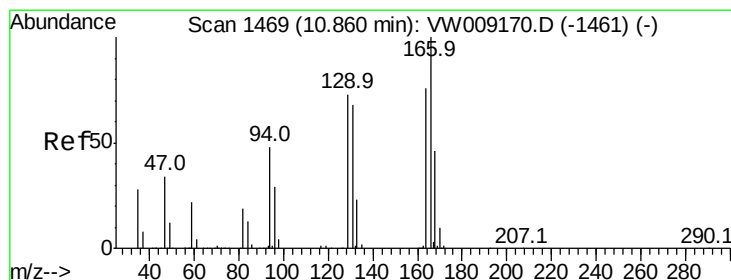
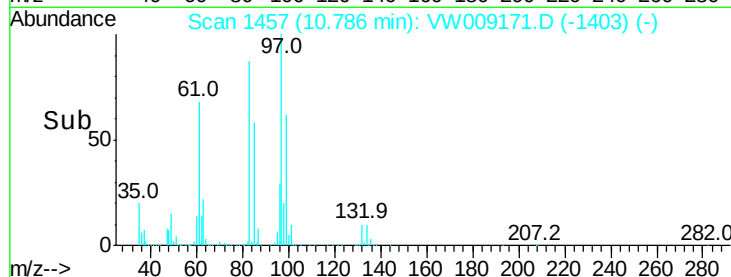
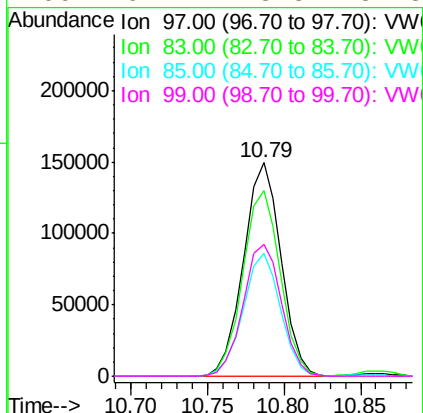
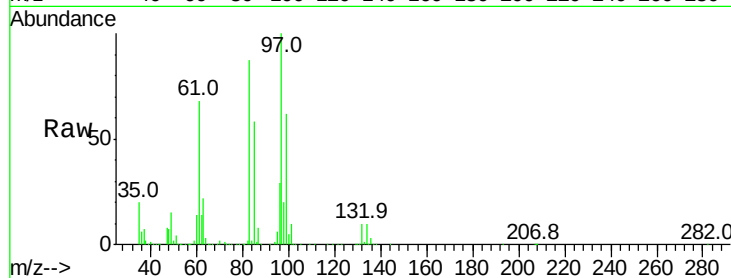




#46
 1,1,2-Trichloroethane
 Concen: 47.284 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

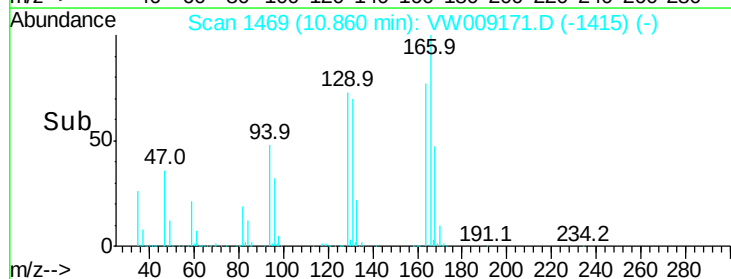
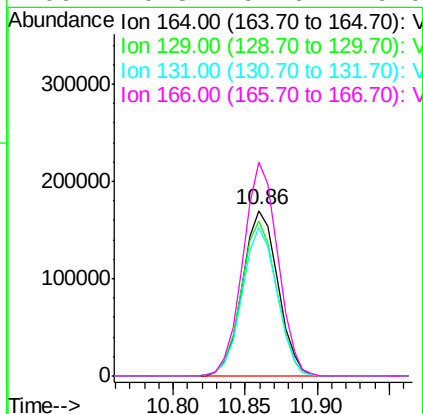
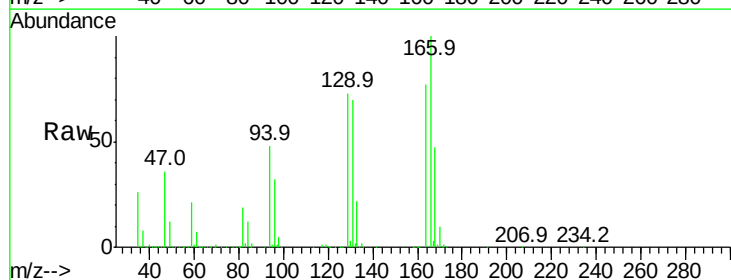
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

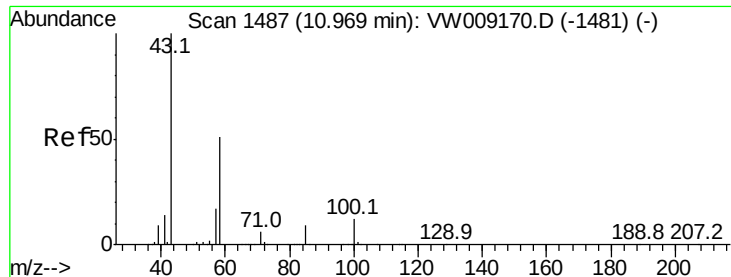
Tgt Ion:	97	Resp:	255614
Ion	Ratio	Lower	Upper
97	100		
83	86.8	60.7	112.7
85	57.7	40.1	74.5
99	61.7	43.8	81.3



#47
 Tetrachloroethene
 Concen: 45.088 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion:	164	Resp:	289986
Ion	Ratio	Lower	Upper
164	100		
129	94.0	66.5	123.5
131	89.9	62.6	116.3
166	129.3	91.6	170.0





#49

2-Hexanone

Concen: 93.630 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 43 Resp: 428834

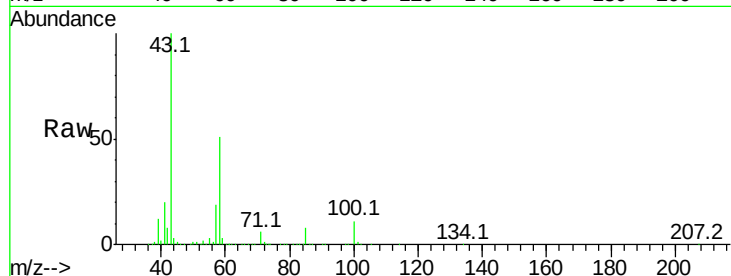
Ion Ratio Lower Upper

43 100

58 50.7 39.2 58.8

57 18.1 14.2 21.2

100 11.1 8.9 13.3

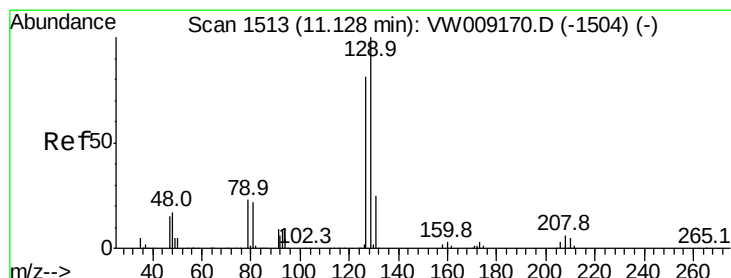
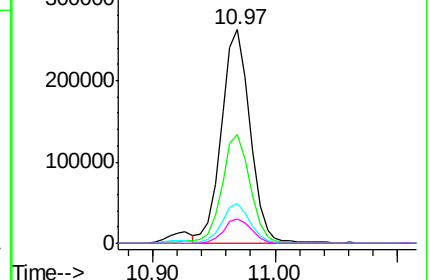
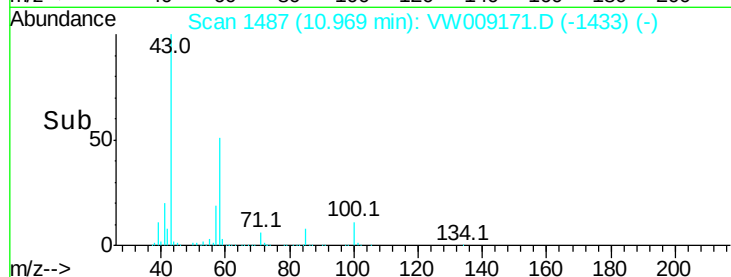


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 50.763 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009171.D

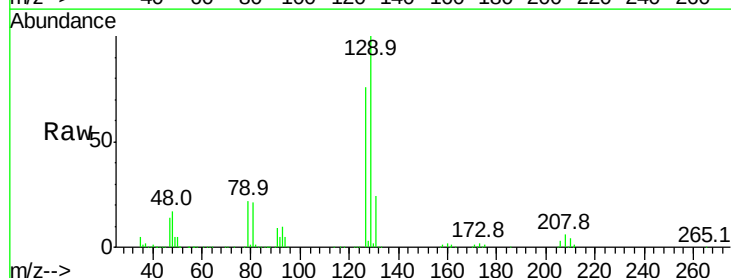
Acq: 14 Mar 2019 15:33

Tgt Ion: 129 Resp: 332681

Ion Ratio Lower Upper

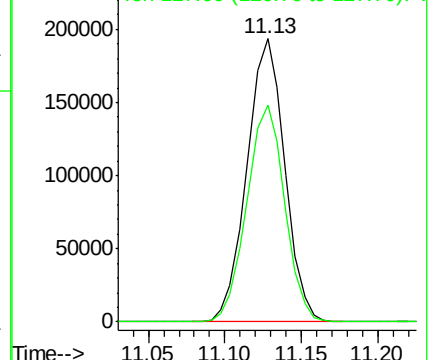
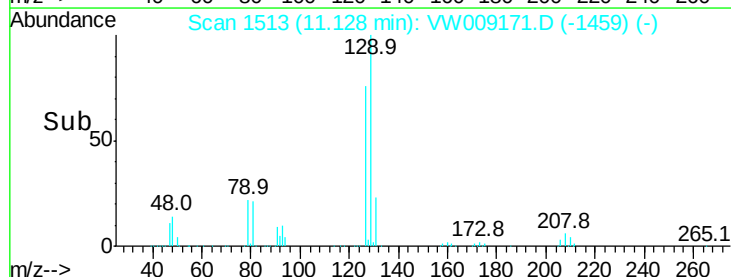
129 100

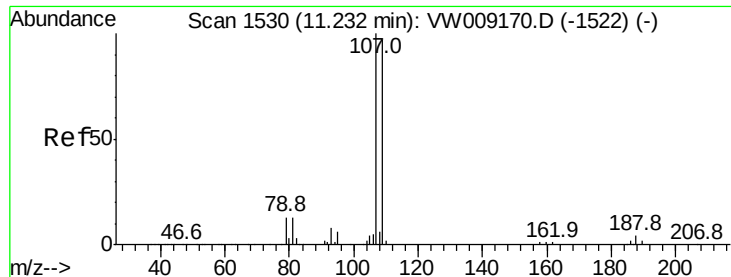
127 76.5 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

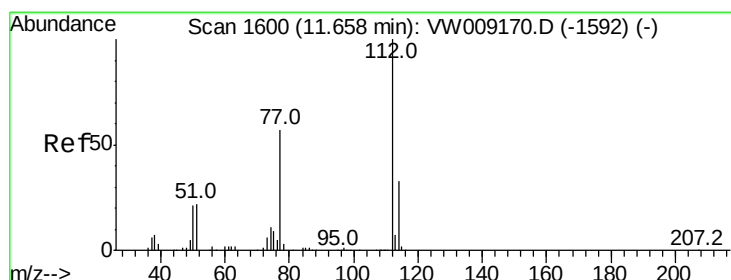
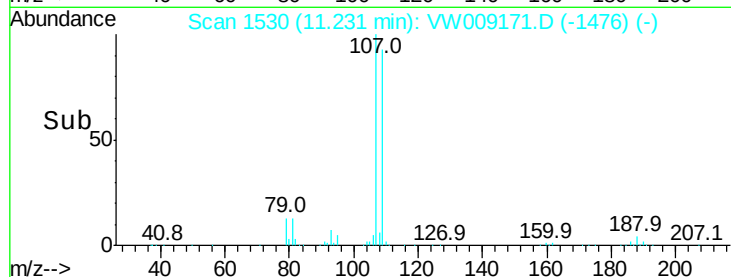
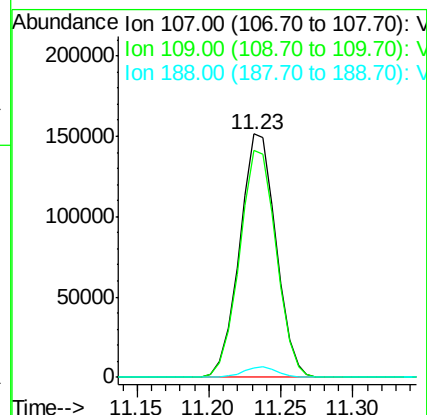
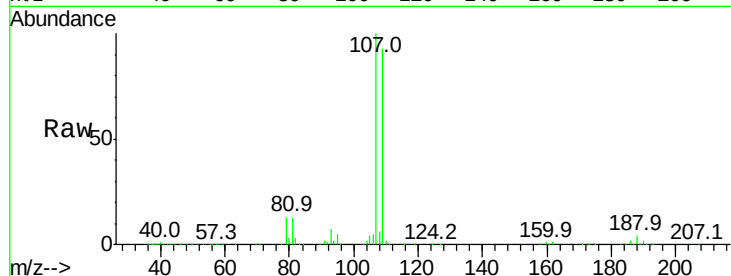




#51
 1,2-Dibromoethane
 Concen: 48.601 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

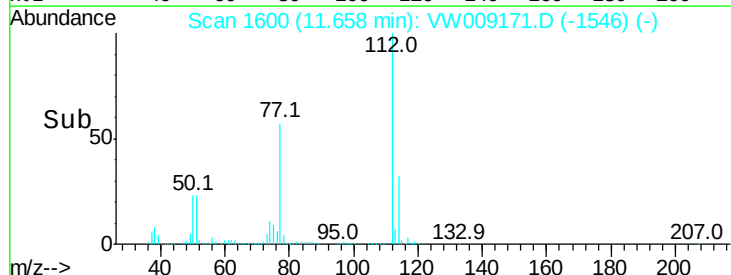
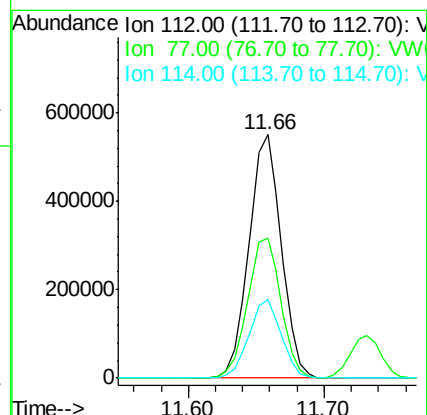
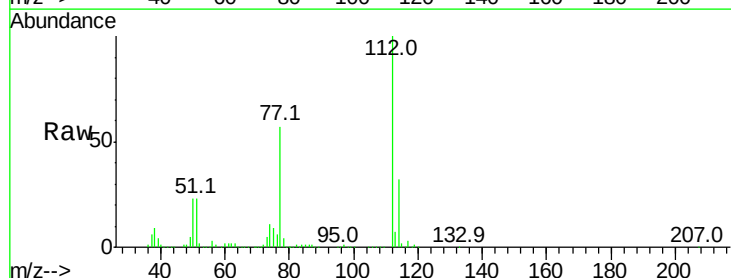
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

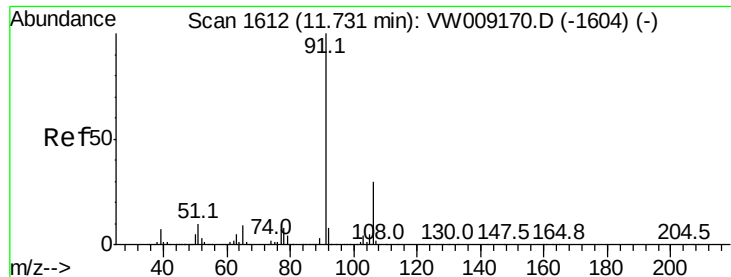
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	68.0	126.4
188	4.0	3.5	5.3



#52
 Chlorobenzene
 Concen: 45.244 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.3	45.7	68.5
114	32.3	22.8	42.4





#53

Ethylbenzene

Concen: 47.530 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

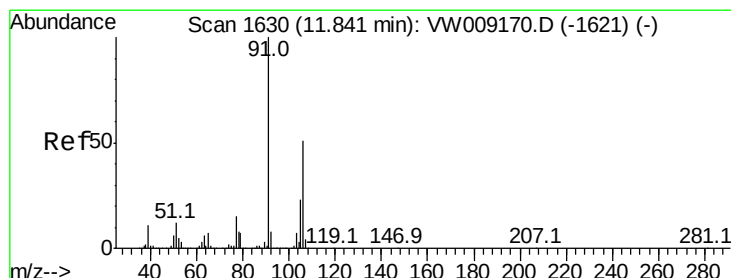
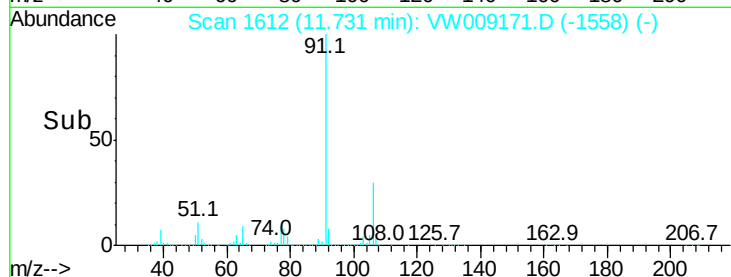
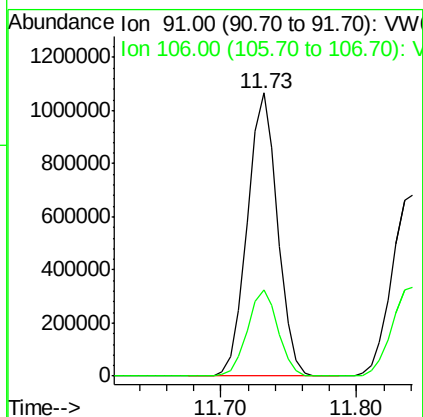
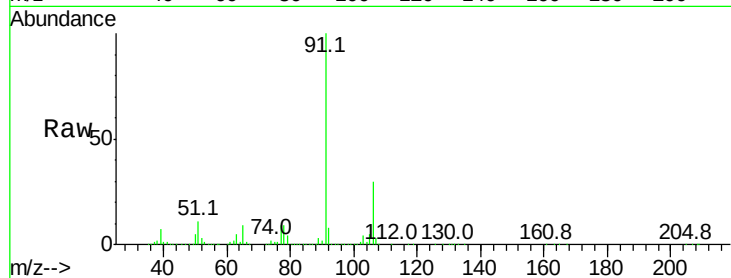
VSTD05004

Tgt Ion: 91 Resp: 1661799

Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



#54

m,p-Xylene

Concen: 45.477 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009171.D

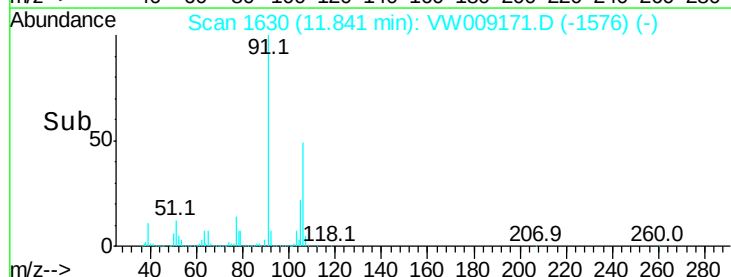
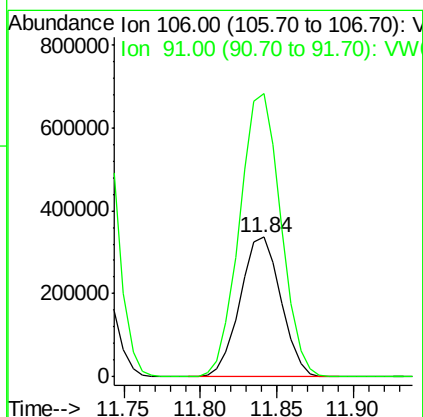
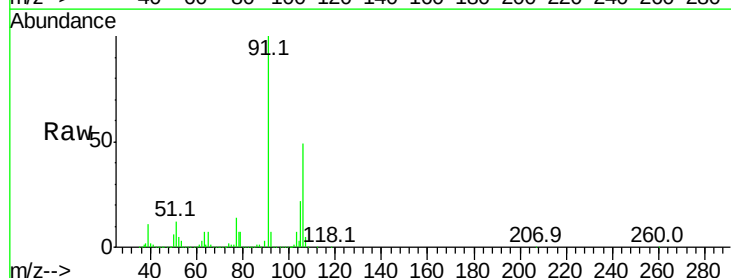
Acq: 14 Mar 2019 15:33

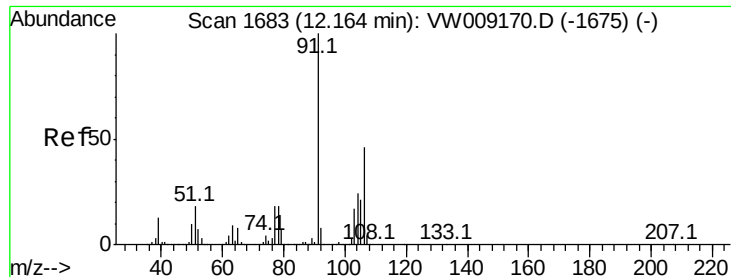
Tgt Ion: 106 Resp: 625239

Ion Ratio Lower Upper

106 100

91 202.6 138.4 257.0

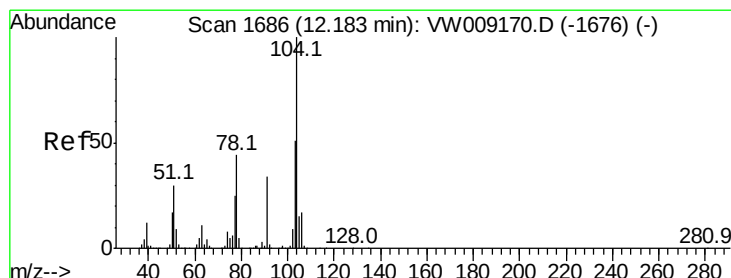
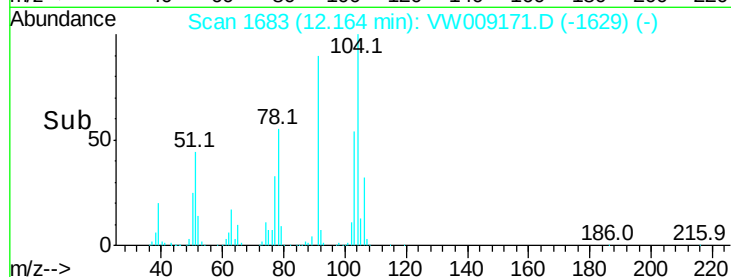
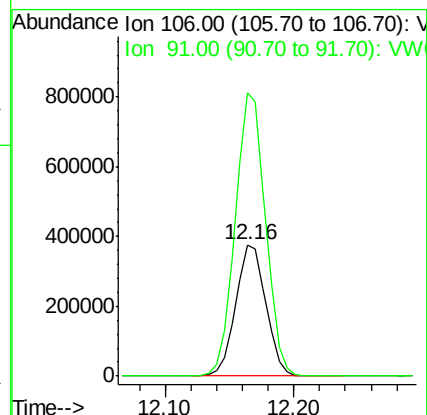
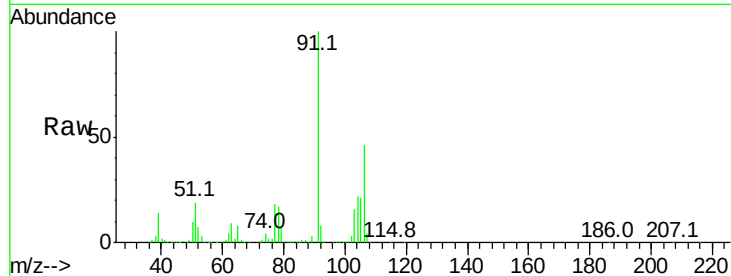




#55
o-xylene
Concen: 46.278 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009171.D
Acq: 14 Mar 2019 15:33

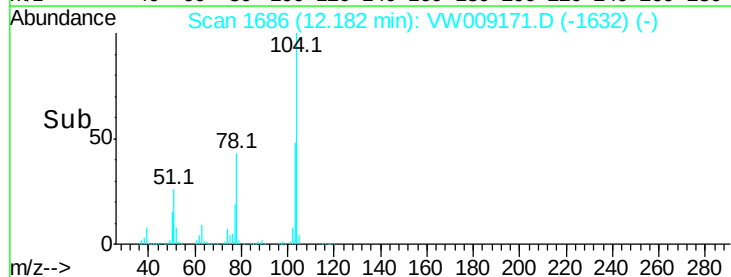
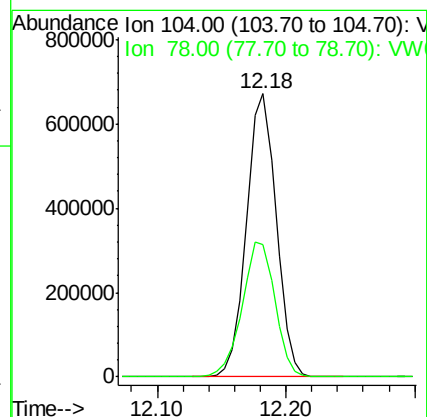
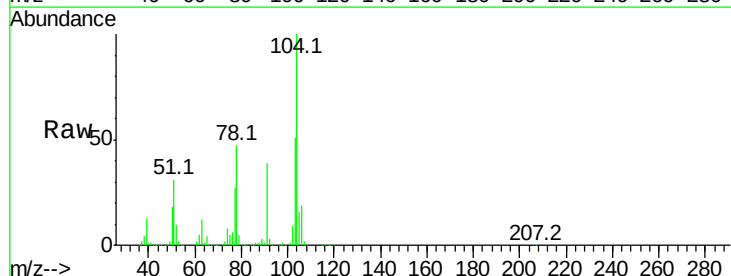
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

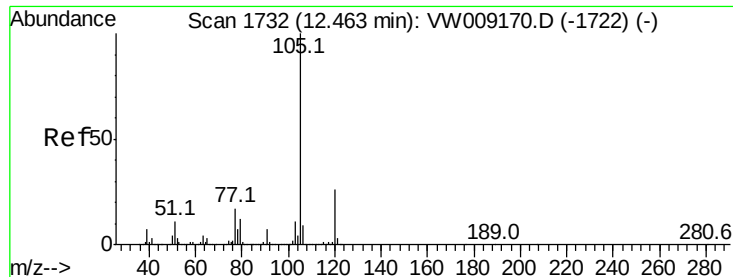
Tgt Ion:106 Resp: 612071
Ion Ratio Lower Upper
106 100
91 215.6 153.2 284.4



#56
Styrene
Concen: 48.106 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009171.D
Acq: 14 Mar 2019 15:33

Tgt Ion:104 Resp: 1067074
Ion Ratio Lower Upper
104 100
78 46.7 30.9 57.3





#57

Isopropylbenzene

Concen: 47.784 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

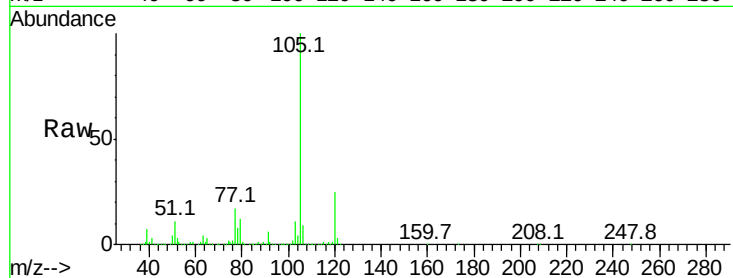
Tgt Ion:105 Resp: 1685937

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

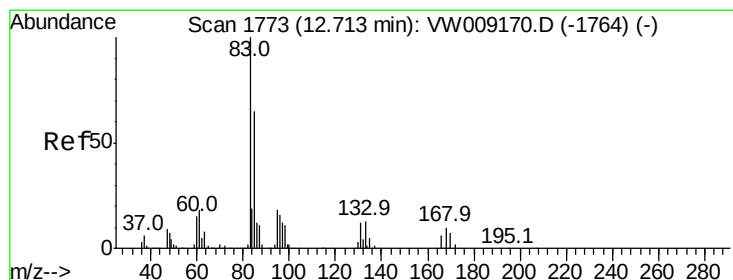
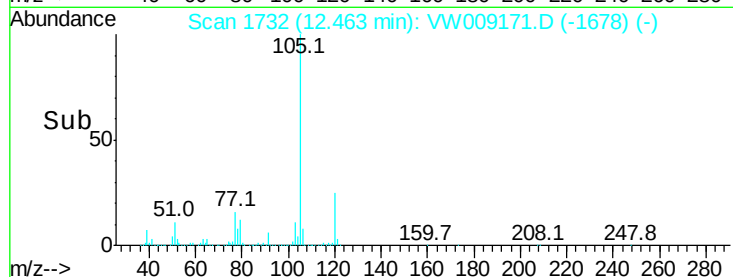
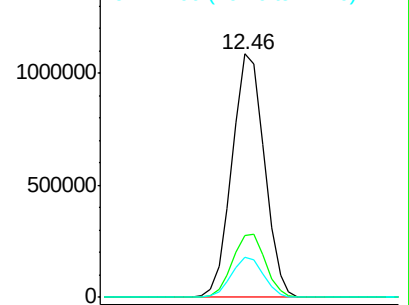
77 16.4 13.1 19.7



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: 47.685 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

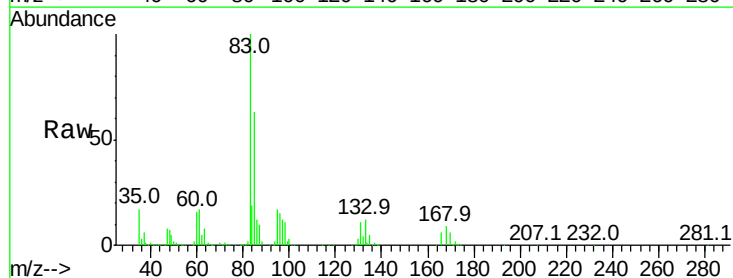
Tgt Ion: 83 Resp: 345839

Ion Ratio Lower Upper

83 100

85 63.2 45.6 84.8

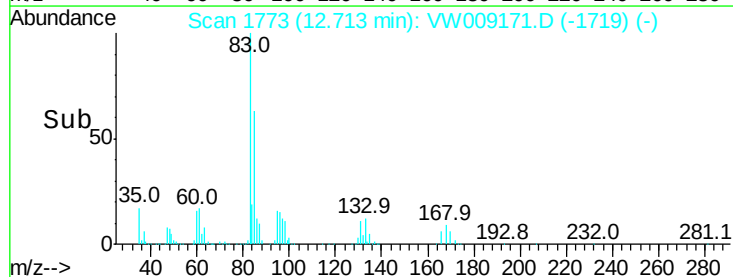
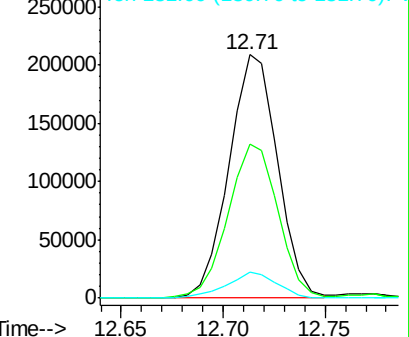
131 10.8 9.2 13.8

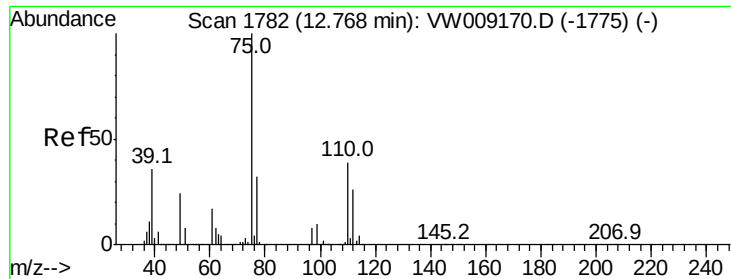


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.162 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

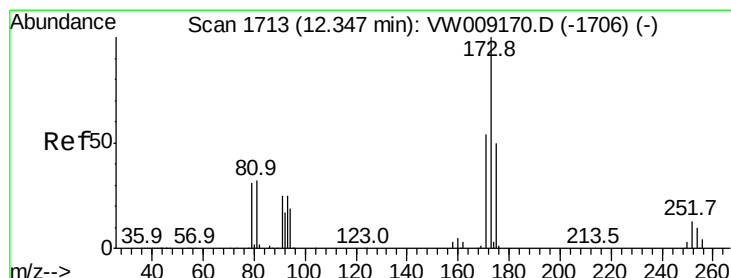
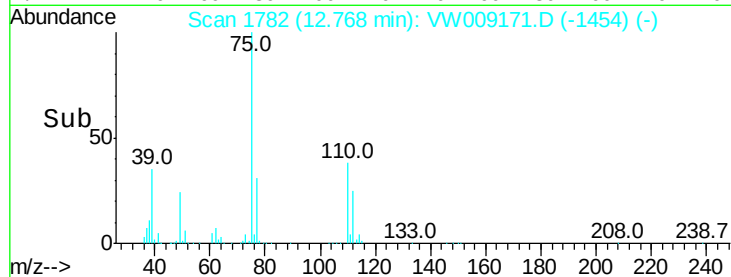
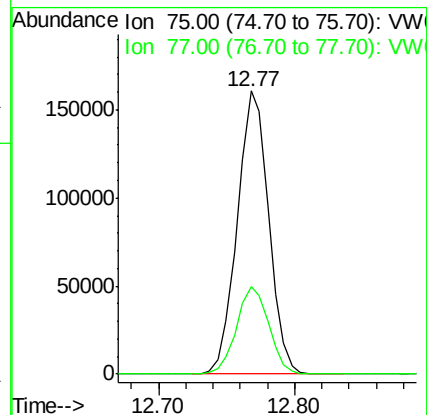
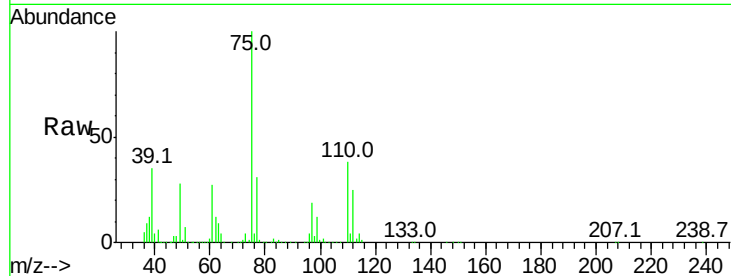
VSTD05004

Tgt Ion: 75 Resp: 258262

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



#62

Bromoform

Concen: 54.201 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

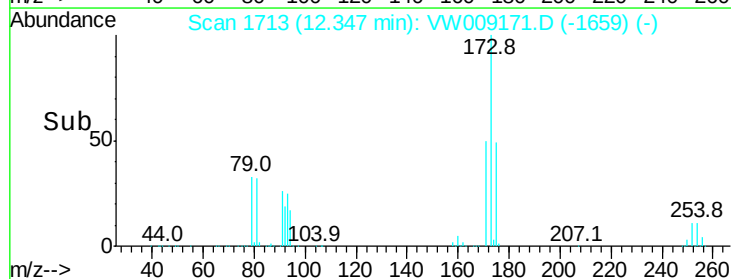
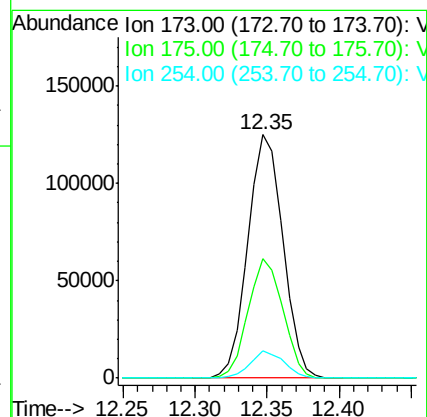
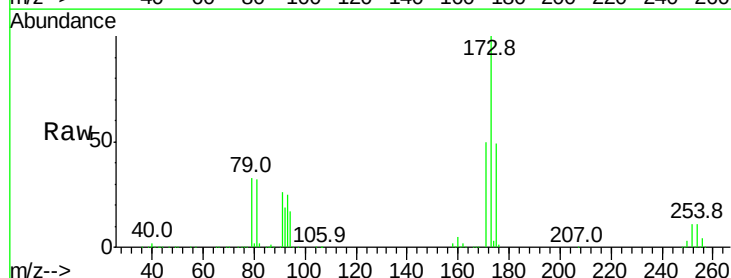
Tgt Ion: 173 Resp: 211210

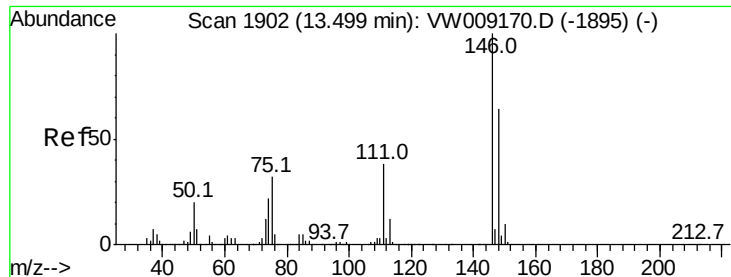
Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 10.7 8.5 12.7

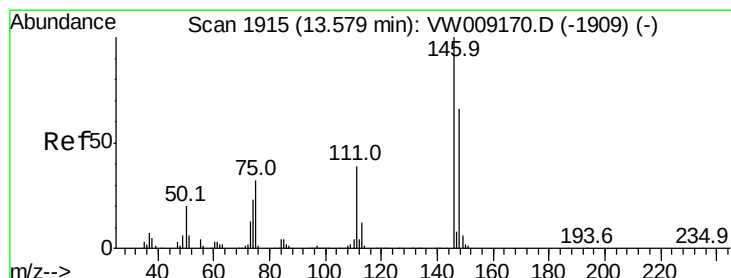
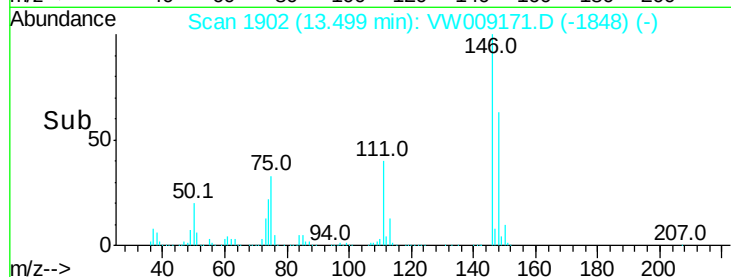
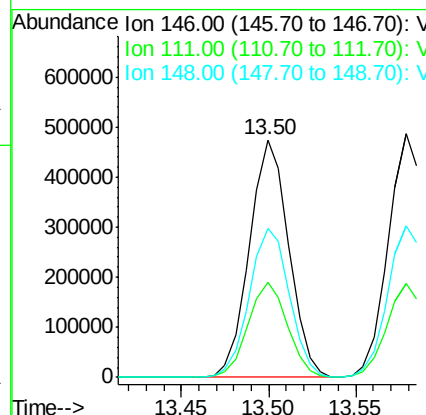
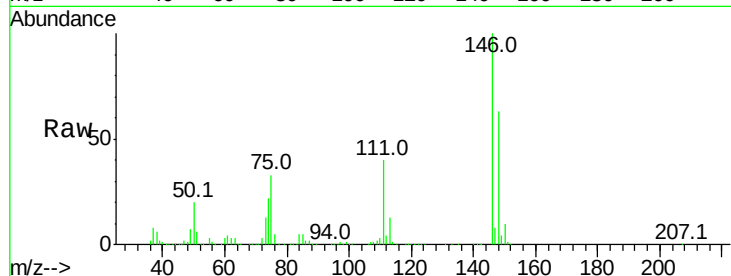




#63
 1,3-Dichlorobenzene
 Concen: 45.116 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

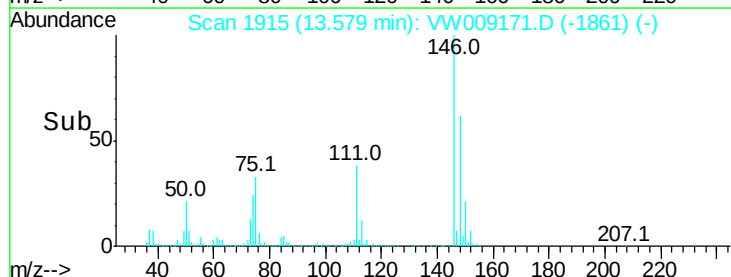
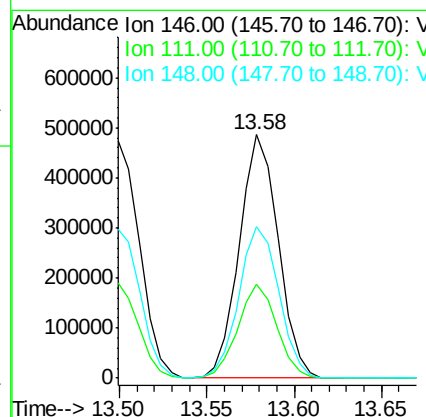
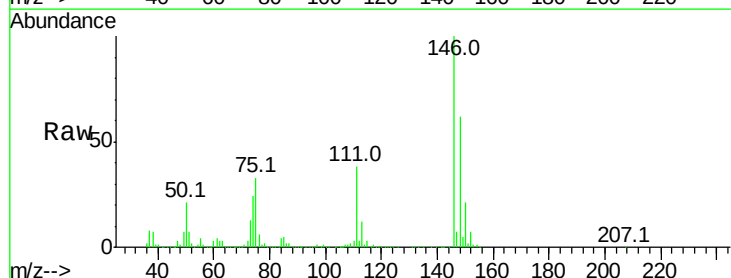
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

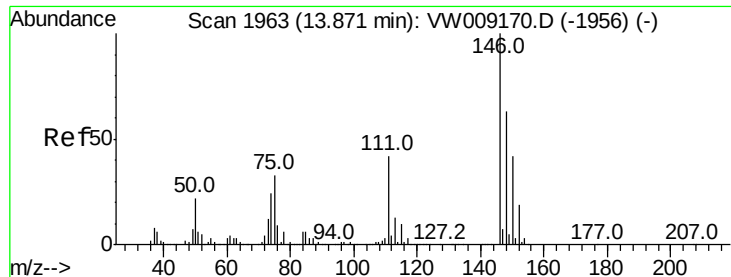
Tgt Ion:146 Resp: 741146
 Ion Ratio Lower Upper
 146 100
 111 40.0 26.9 49.9
 148 62.7 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 45.127 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion:146 Resp: 753151
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.8 51.6
 148 62.3 46.3 86.1

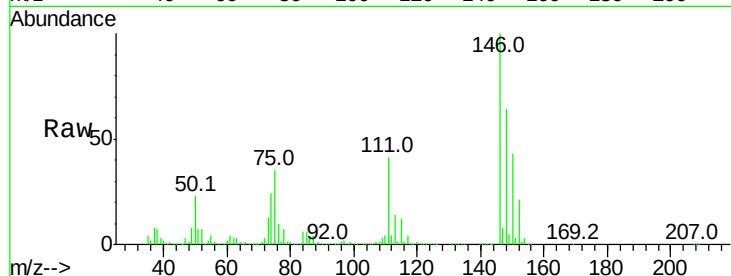




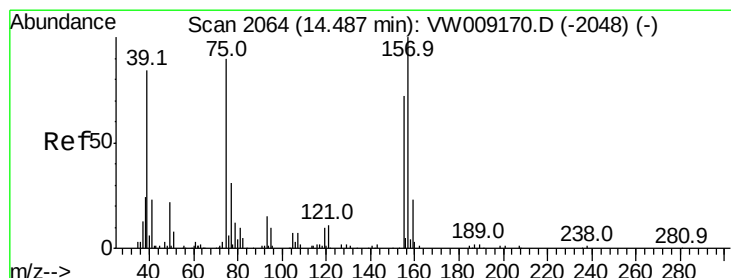
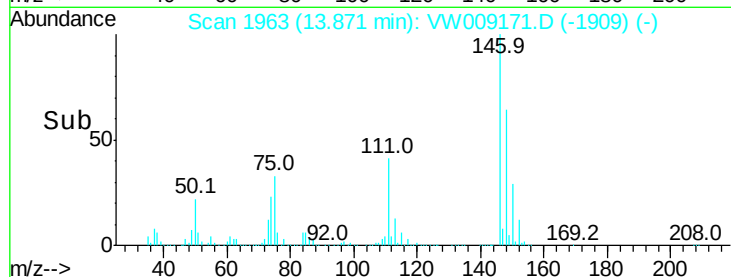
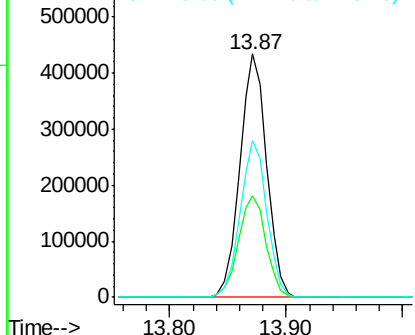
#65
 1,2-Dichlorobenzene
 Concen: 45.682 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Tgt Ion:146 Resp: 695114
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.5 50.3
 148 64.2 50.2 75.2

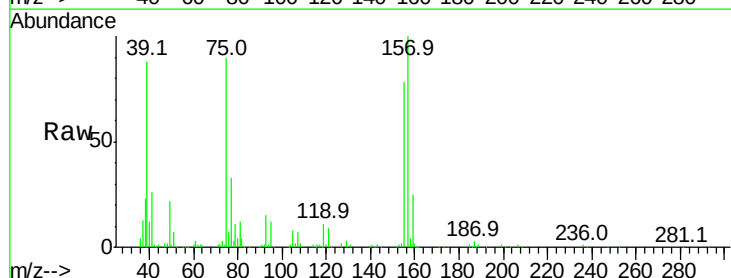


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

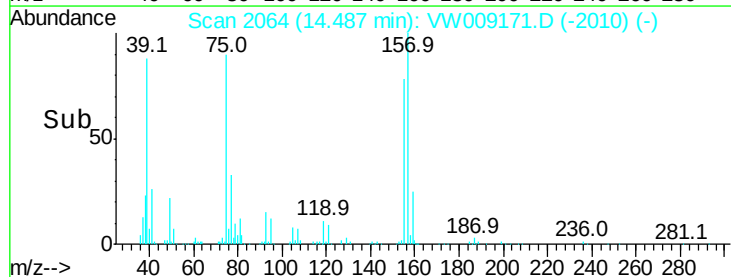
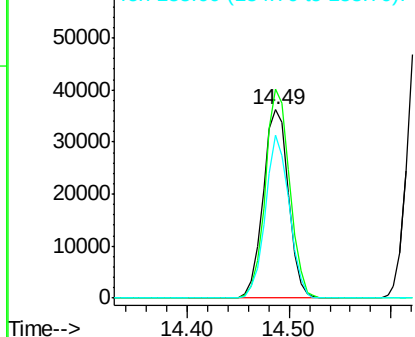


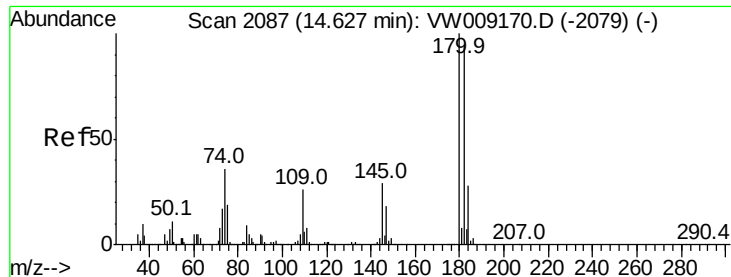
#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.162 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion: 75 Resp: 62368
 Ion Ratio Lower Upper
 75 100
 157 110.6 89.0 133.4
 155 86.6 64.2 96.2



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

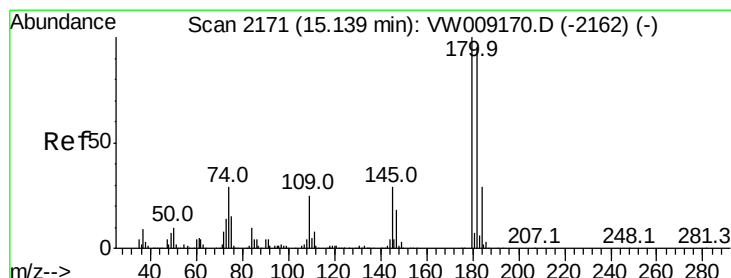
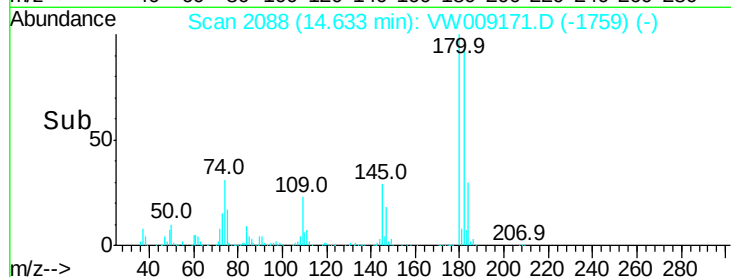
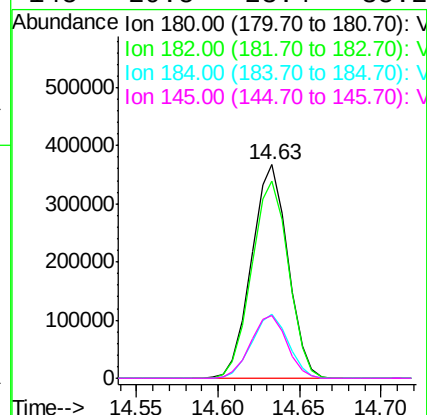
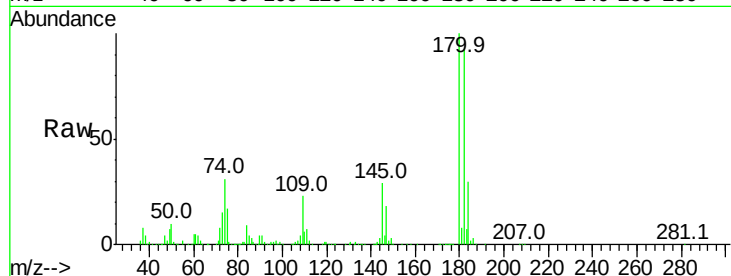




#67
 1,3,5-Trichlorobenzene
 Concen: 44.148 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

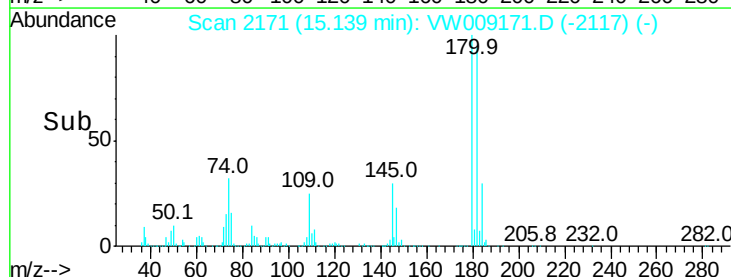
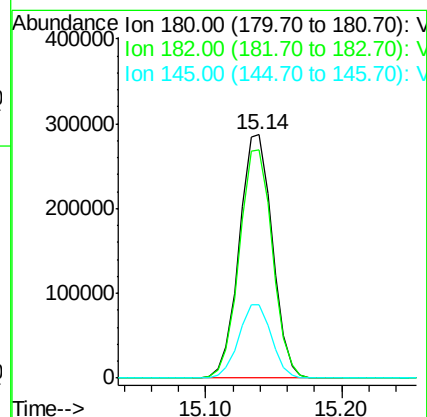
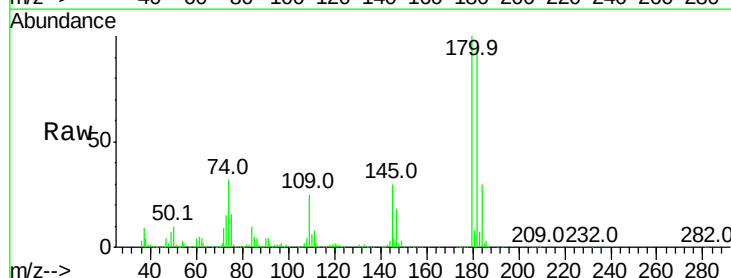
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

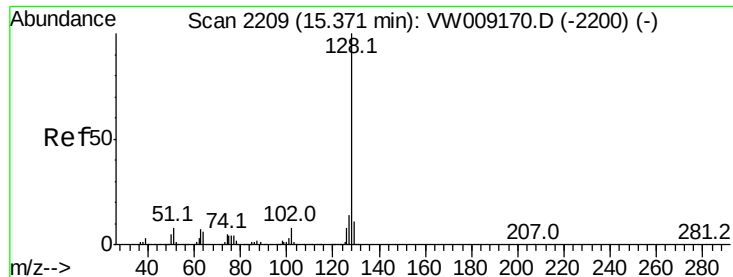
Tgt Ion:	180	Resp:	571025
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.1	114.1
184	30.3	23.8	35.6
145	29.5	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 43.692 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009171.D
 Acq: 14 Mar 2019 15:33

Tgt Ion:	180	Resp:	486779
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.5	113.3
145	30.0	24.1	36.1





#69

Naphthalene

Concen: 45.094 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

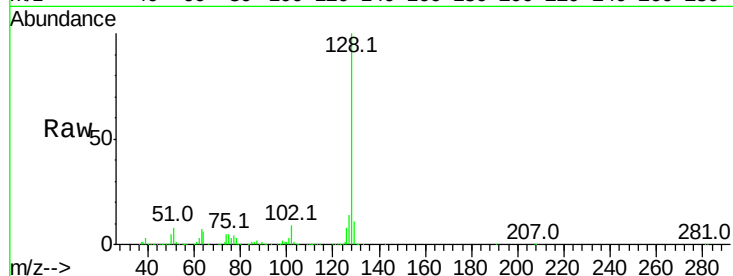
Tgt Ion:128 Resp: 1034285

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

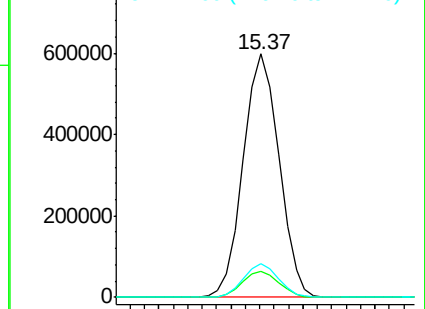
127 13.5 11.1 16.7



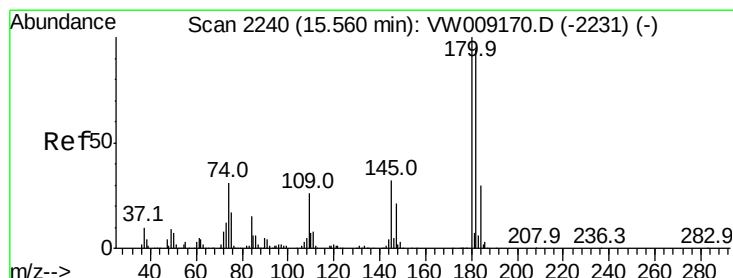
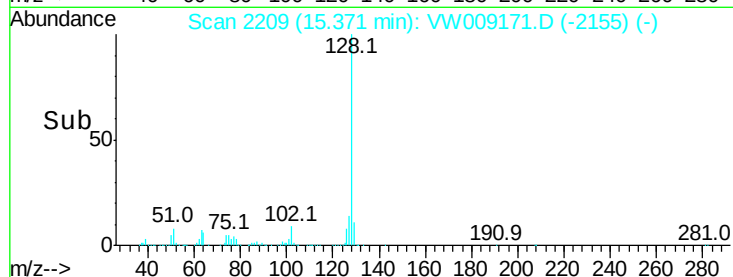
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 43.808 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009171.D

Acq: 14 Mar 2019 15:33

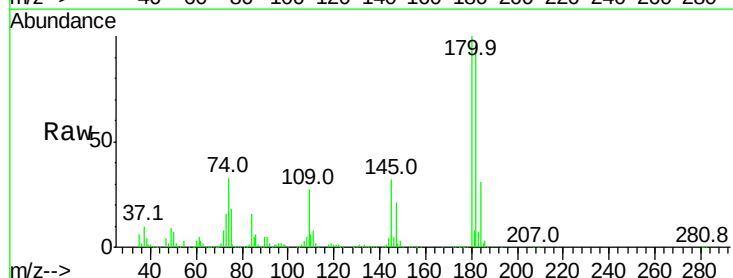
Tgt Ion:180 Resp: 448501

Ion Ratio Lower Upper

180 100

182 95.5 77.2 115.8

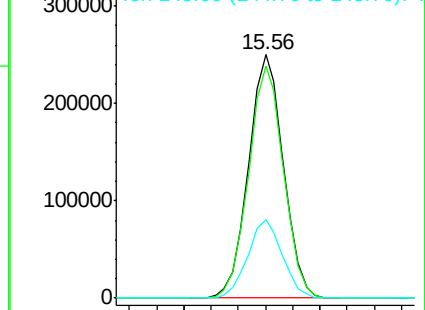
145 32.0 25.8 38.6



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



Time-->

