

Data File : VW010179.D
Acq On : 29 Apr 2019 12:44
Operator : SY/VA
Sample : VSTD10030
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10030

Quant Time: Apr 29 13:05:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 29 12:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	686287	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	646380	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	325393	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	720666	109.85	ug/L	0.00
7) Chloroethane-d5	2.89	69	608625	112.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1609377	83.59	ug/L	0.00
20) 2-Butanone-d5	7.07	46	674146	217.61	ug/L	0.00
24) Chloroform-d	7.64	84	1656436	90.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	975760	91.32	ug/L	0.00
29) Benzene-d6	8.27	84	3191058	87.17	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1009830	88.48	ug/L	0.00
37) Toluene-d8	10.32	98	2939185	88.39	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	503853	95.81	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	564364	235.33	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	931919	98.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	1094414	90.84	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1065638	115.423	ug/L	99
3) Chloromethane	2.22	50	942453	130.432	ug/L	97
5) Vinyl chloride	2.37	62	1024314	125.480	ug/L	100
6) Bromomethane	2.77	94	600068	120.545	ug/L	98
8) Chloroethane	2.92	64	604894	122.528	ug/L	98
9) Trichlorofluoromethane	3.25	101	607623	136.717	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	812671	94.196	ug/L	100
12) 1,1-Dichloroethene	4.03	96	848766	95.443	ug/L	96
13) Acetone	4.12	43	450899	192.859	ug/L	100
14) Carbon disulfide	4.38	76	2477738	96.125	ug/L	100
15) Methyl Acetate	4.67	43	551735	99.742	ug/L	100
16) Methylene chloride	4.92	84	880394	91.526	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	1158738	98.713	ug/L	100
18) trans-1,2-Dichloroethene	5.41	96	894448	94.695	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1654287	92.536	ug/L	99
21) 2-Butanone	7.17	43	767507	211.711	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	1006642	99.531	ug/L	97
23) Bromochloromethane	7.51	128	456465	102.762	ug/L	98
25) Chloroform	7.67	83	1686786	95.571	ug/L	99
27) 1,2-Dichloroethane	8.40	62	1241238	95.433	ug/L	100
30) Cyclohexane	7.95	56	1564878	93.270	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1324747	95.294	ug/L	99
32) Carbon tetrachloride	8.06	117	1350948	98.158	ug/L	99
34) Benzene	8.32	78	3611355	91.853	ug/L	100
35) Trichloroethene	9.09	95	966100	93.170	ug/L	100
36) Methylcyclohexane	9.34	83	1662615	95.678	ug/L	99
40) 1,2-Dichloropropane	9.37	63	947586	93.392	ug/L	99
41) Bromodichloromethane	9.64	83	1297454	98.956	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1598010	101.272	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1617742	206.940	ug/L	100

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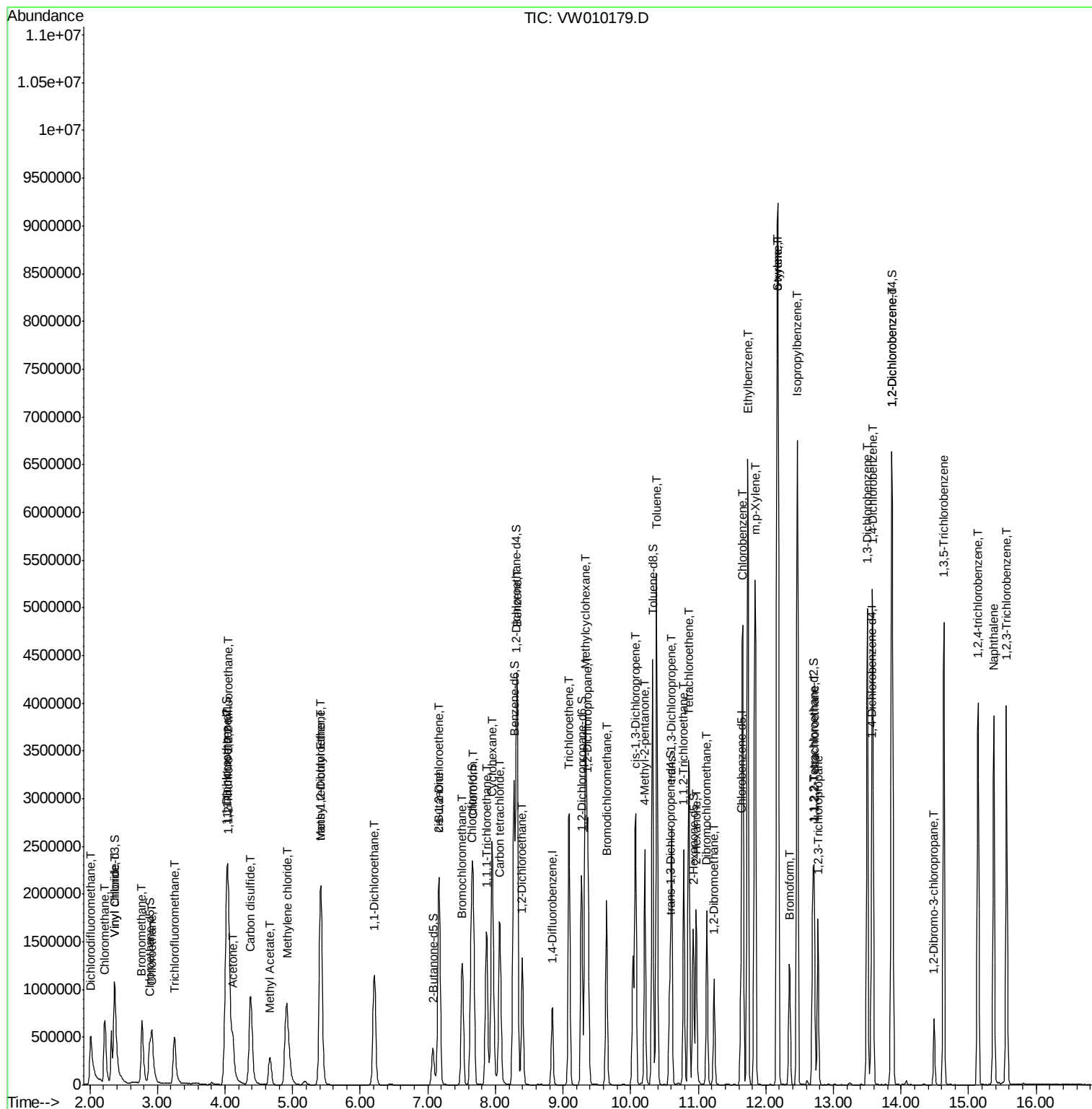
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	3906371	93.858	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	1407040	103.335	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	742451	100.860	ug/L	98
47) Tetrachloroethene	10.86	164	792867	100.208	ug/L	96
49) 2-Hexanone	10.97	43	1154033	208.863	ug/L	98
50) Dibromochloromethane	11.13	129	951861	107.914	ug/L	99
51) 1,2-Dibromoethane	11.24	107	751787	102.775	ug/L	97
52) Chlorobenzene	11.66	112	2545986	96.681	ug/L	99
53) Ethylbenzene	11.73	91	4505525	96.451	ug/L	99
54) m,p-Xylene	11.84	106	1699005	98.328	ug/L	98
55) o-xylene	12.16	106	1635480	99.815	ug/L	97
56) Styrene	12.18	104	2843282	102.032	ug/L	97
57) Isopropylbenzene	12.46	105	4392598	98.530	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	949332	101.819	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	711821	100.885	ug/L	99
62) Bromoform	12.35	173	590617	109.243	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	2024424	97.782	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	2015673	93.818	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1840367	96.106	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	176896	99.380	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	1488980	98.074	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	1288890	104.345	ug/L	99
69) Naphthalene	15.37	128	3187606	104.492	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	1271973	109.979	ug/L	100

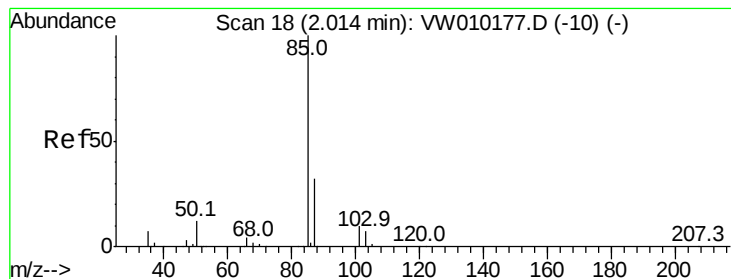
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 115.423 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

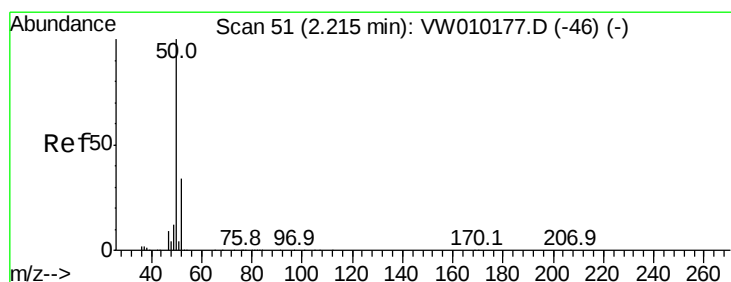
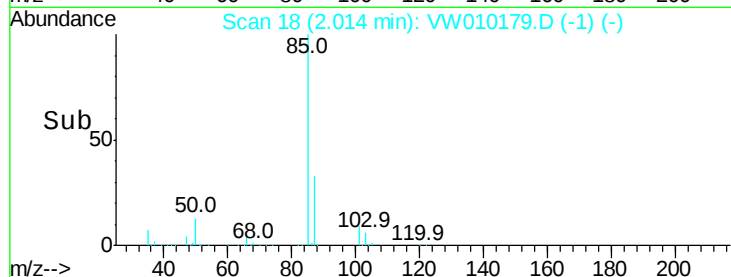
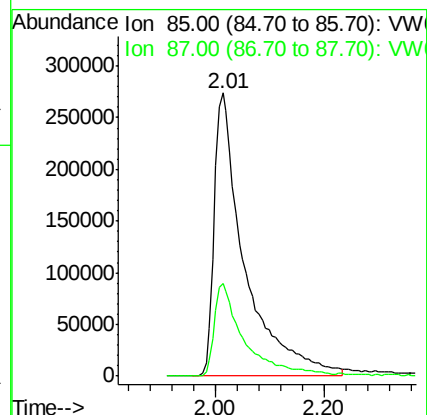
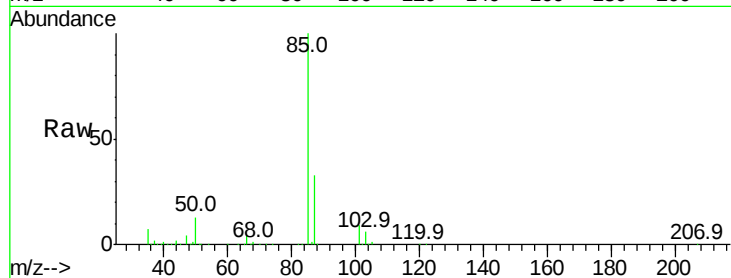
VSTD10030

Tgt Ion: 85 Resp: 1065638

Ion Ratio Lower Upper

85 100

87 29.0 20.6 38.2



#3

Chloromethane

Concen: 130.432 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010179.D

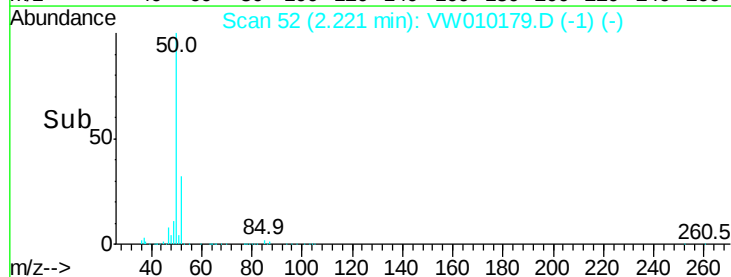
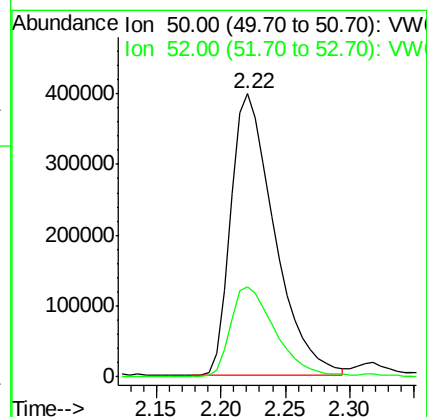
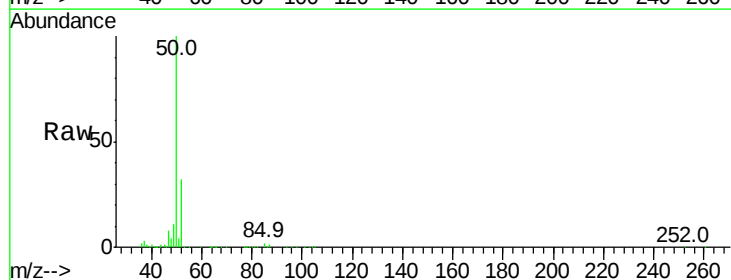
Acq: 29 Apr 2019 12:44

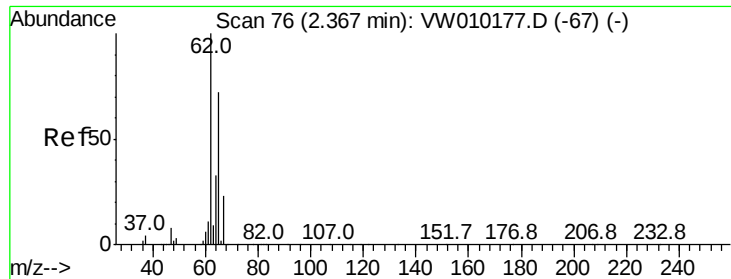
Tgt Ion: 50 Resp: 942453

Ion Ratio Lower Upper

50 100

52 31.9 23.6 43.8





#5

Vinyl chloride

Concen: 125.480 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

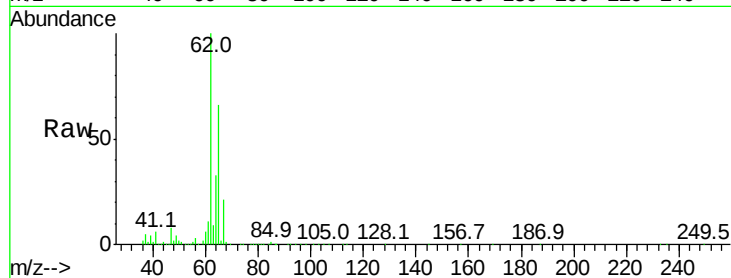
VSTD10030

Tgt Ion: 62 Resp: 1024314

Ion Ratio Lower Upper

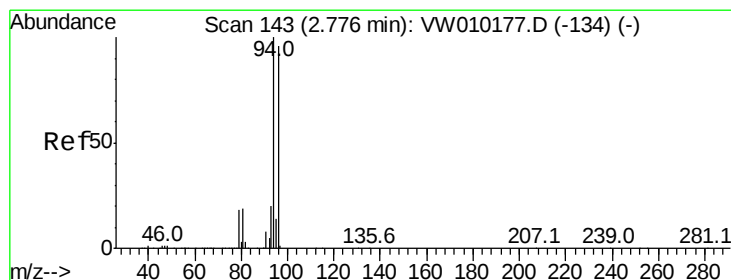
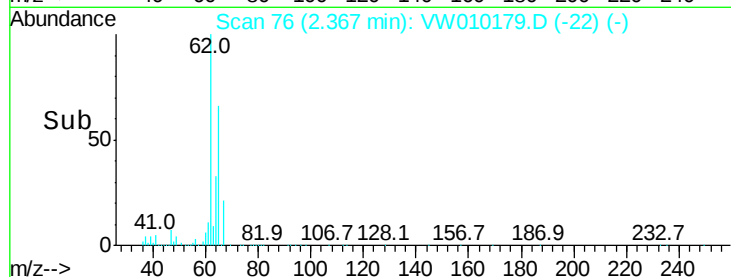
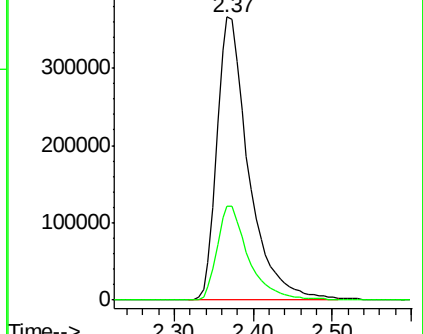
62 100

64 33.0 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 120.545 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010179.D

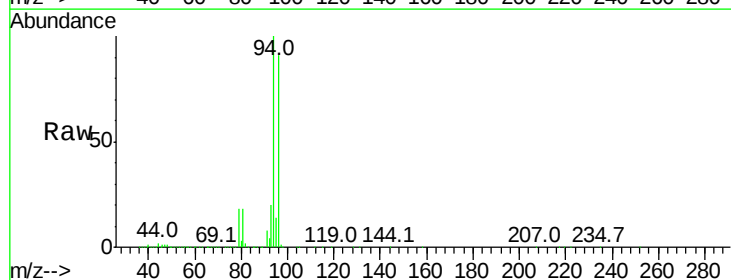
Acq: 29 Apr 2019 12:44

Tgt Ion: 94 Resp: 600068

Ion Ratio Lower Upper

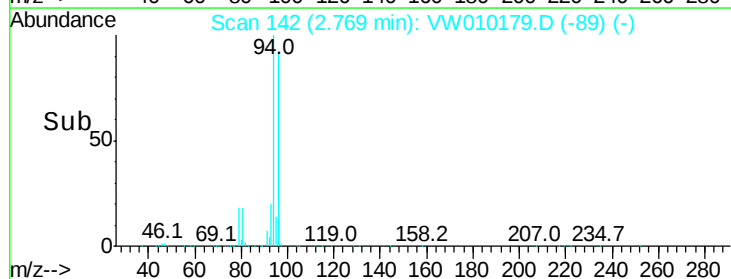
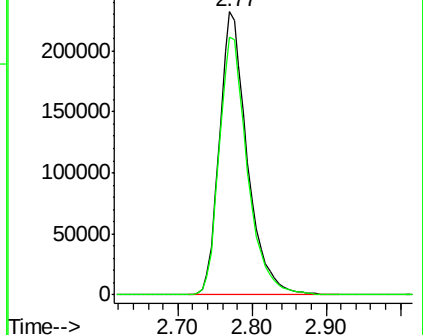
94 100

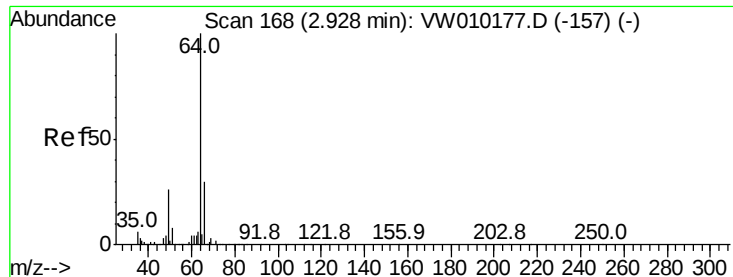
96 92.7 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 122.528 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

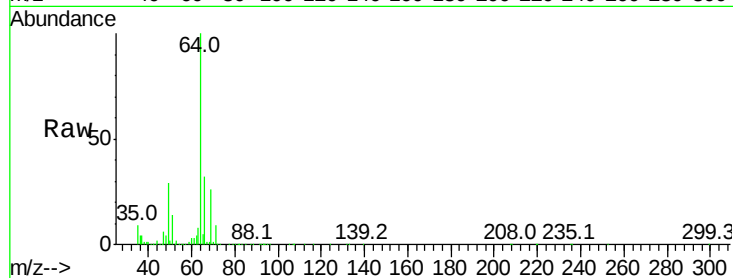
VSTD10030

Tgt Ion: 64 Resp: 604894

Ion Ratio Lower Upper

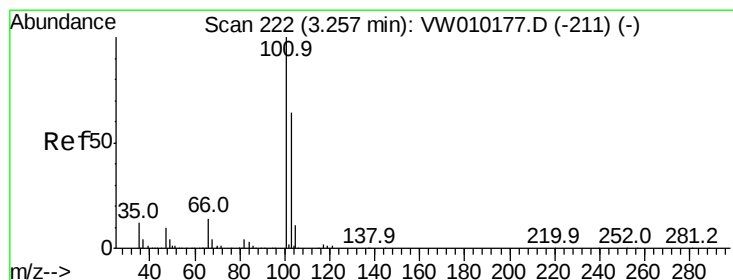
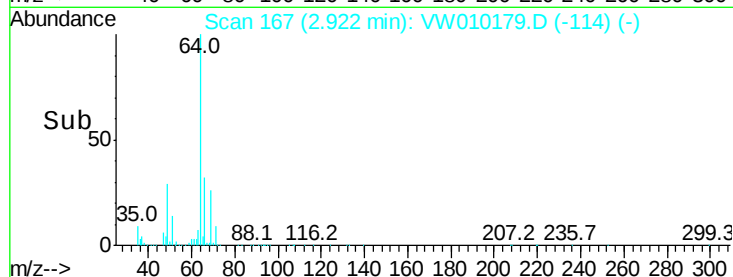
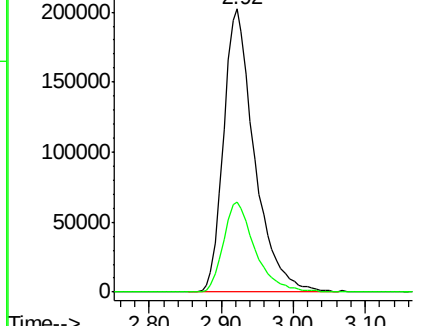
64 100

66 31.7 21.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 136.717 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010179.D

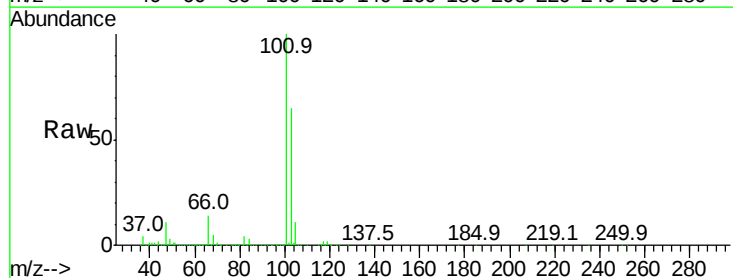
Acq: 29 Apr 2019 12:44

Tgt Ion: 101 Resp: 607623

Ion Ratio Lower Upper

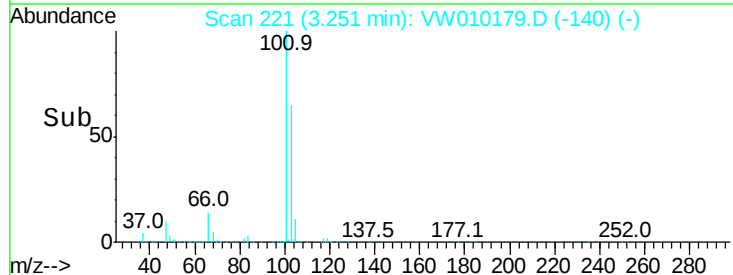
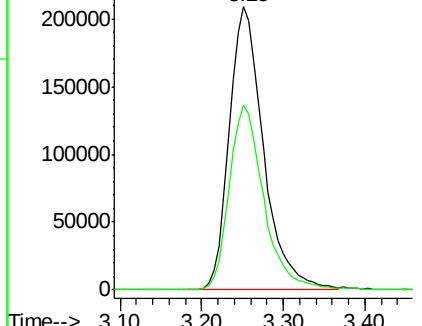
101 100

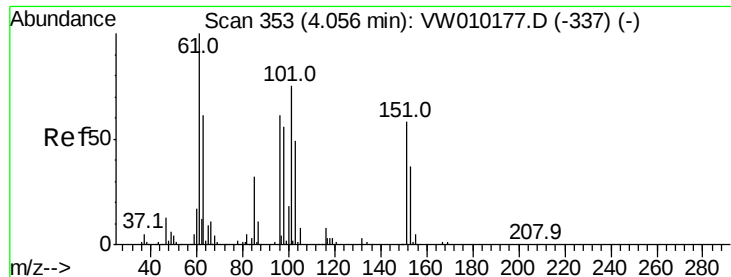
103 65.3 45.5 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 94.196 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

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ClientSampleId :

VSTD10030

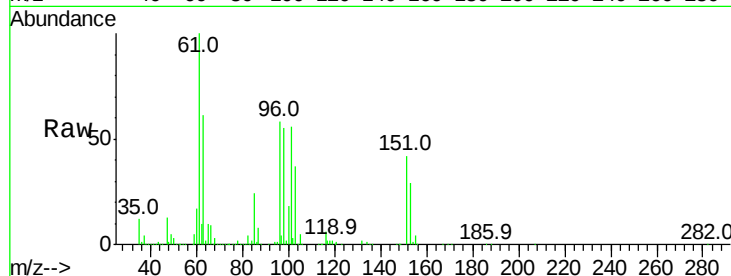
Tgt Ion:101 Resp: 812671

Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.6

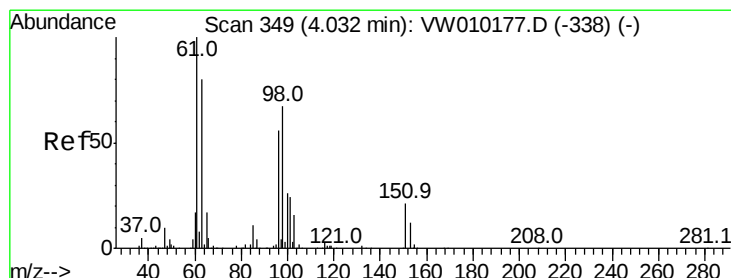
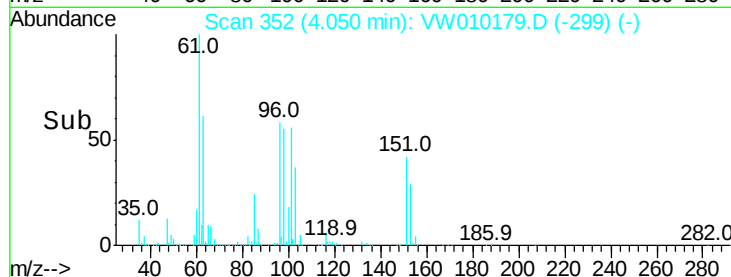
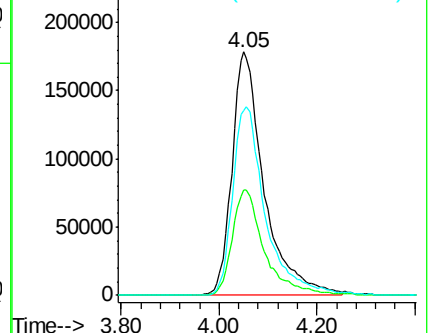
151 78.3 62.6 93.8



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: 95.443 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

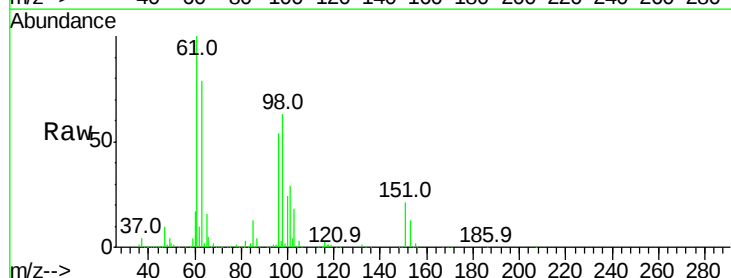
Tgt Ion: 96 Resp: 848766

Ion Ratio Lower Upper

96 100

61 184.7 125.2 232.6

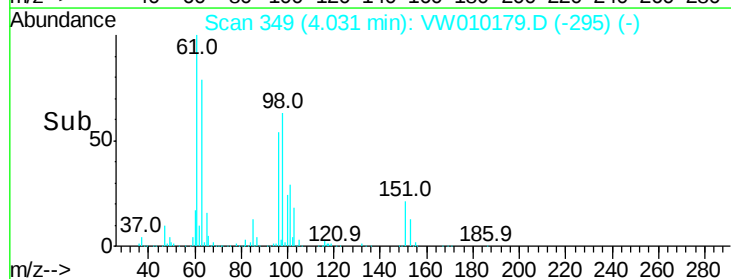
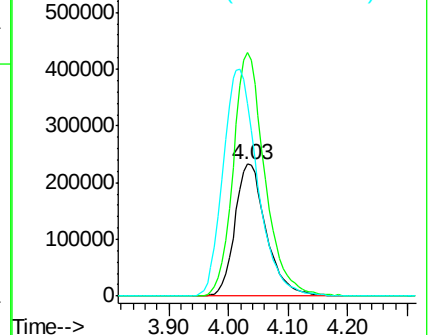
63 145.7 106.3 197.3

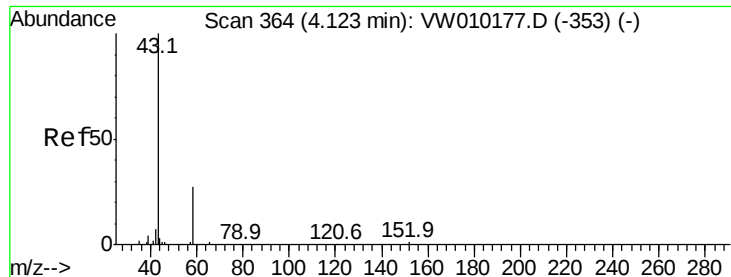


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 192.859 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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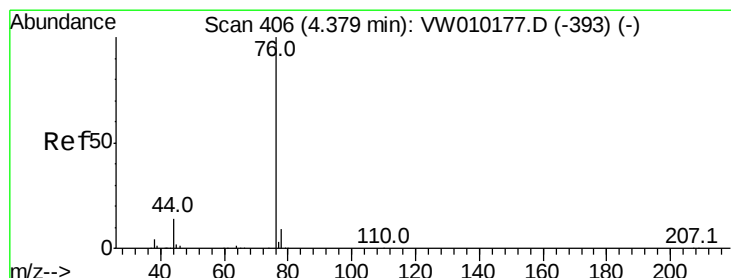
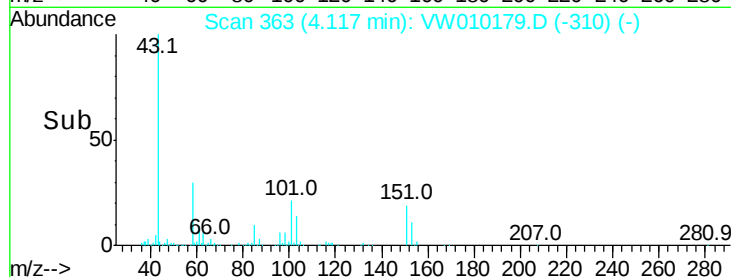
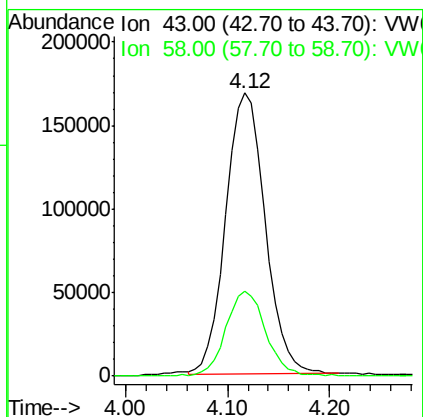
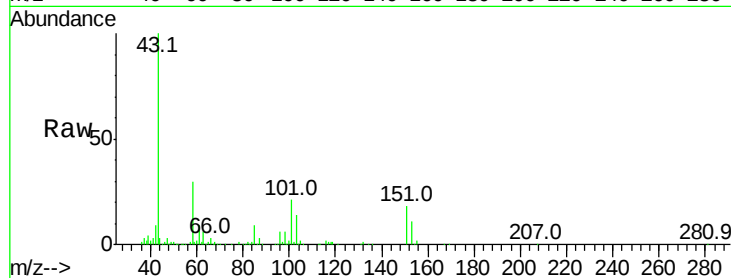
VSTD10030

Tgt Ion: 43 Resp: 450899

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.8



#14

Carbon disulfide

Concen: 96.125 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010179.D

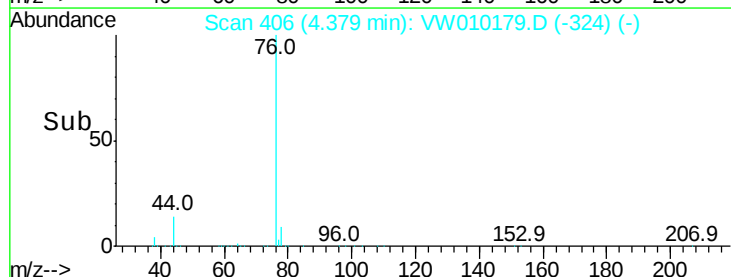
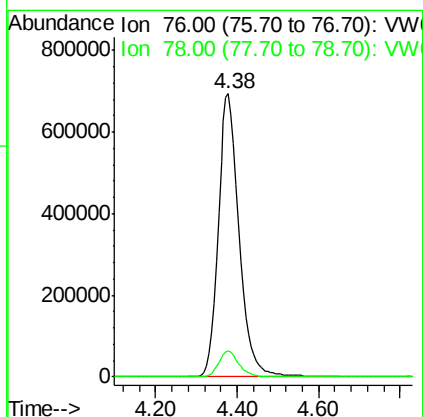
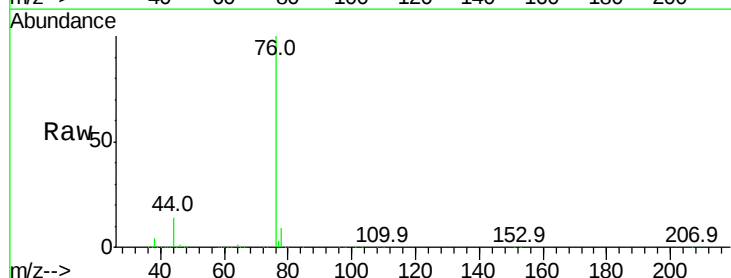
Acq: 29 Apr 2019 12:44

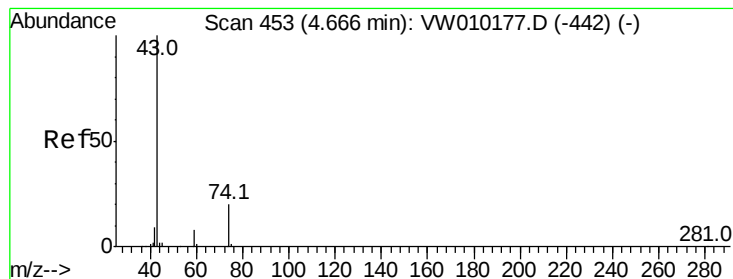
Tgt Ion: 76 Resp: 2477738

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 99.742 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

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Acq: 29 Apr 2019 12:44

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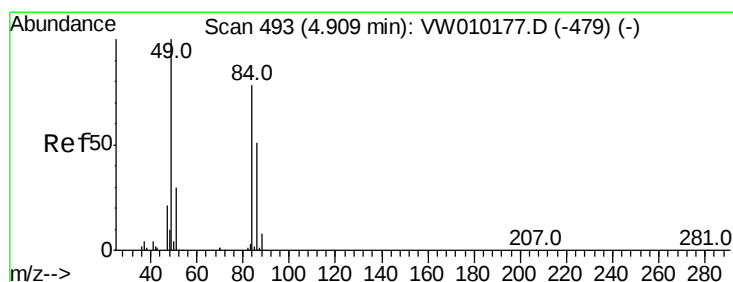
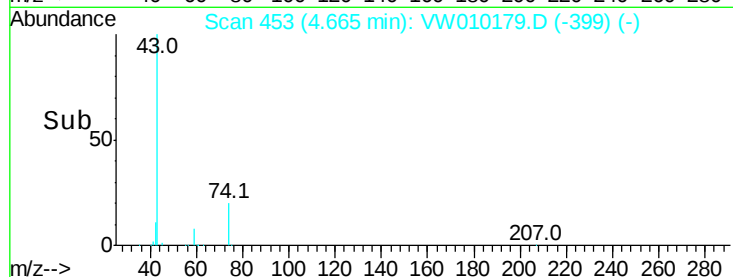
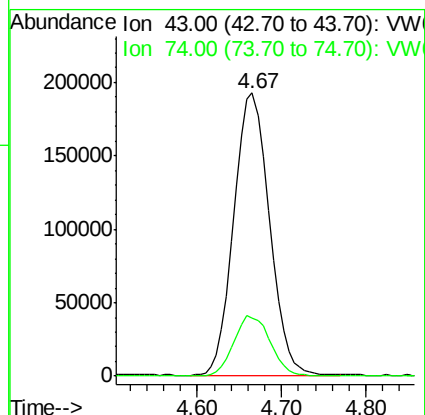
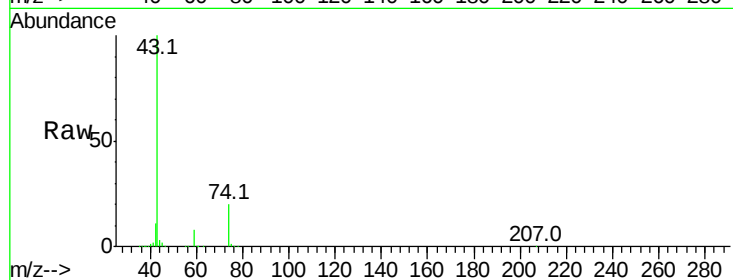
VSTD10030

Tgt Ion: 43 Resp: 551735

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3



#16

Methylene chloride

Concen: 91.526 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

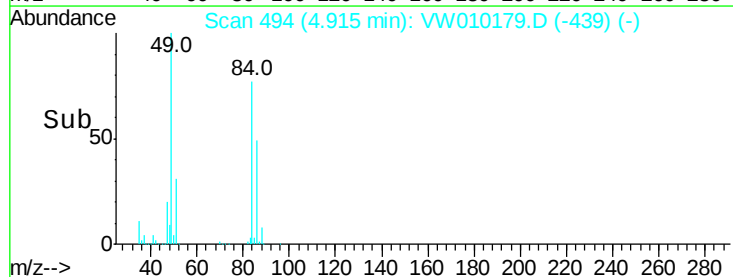
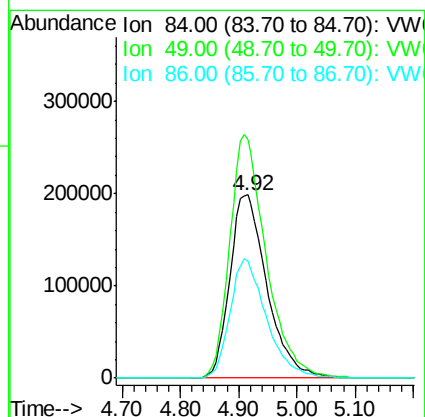
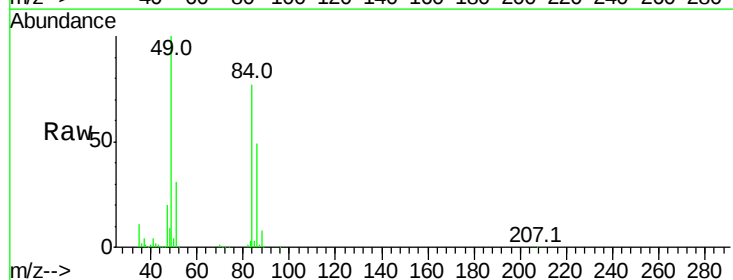
Tgt Ion: 84 Resp: 880394

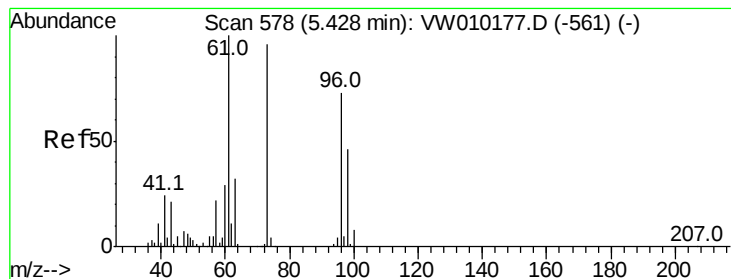
Ion Ratio Lower Upper

84 100

49 130.3 90.2 167.6

86 63.8 46.3 86.1





#17

Methyl tert-butyl Ether

Concen: 98.713 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD10030

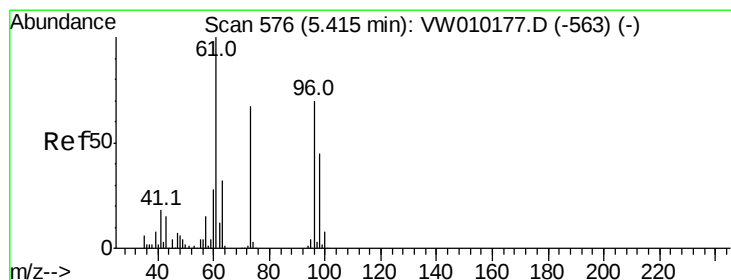
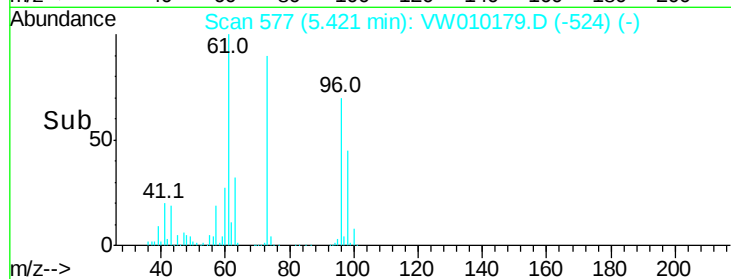
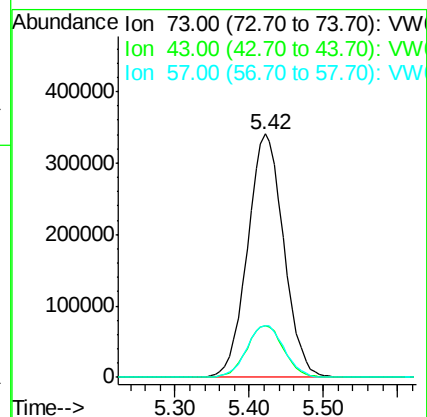
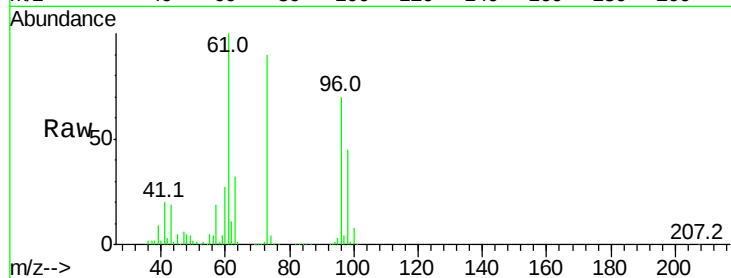
Tgt Ion: 73 Resp: 1158738

Ion Ratio Lower Upper

73 100

43 21.6 17.5 26.3

57 22.2 17.8 26.6



#18

trans-1,2-Dichloroethene

Concen: 94.695 ug/L

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

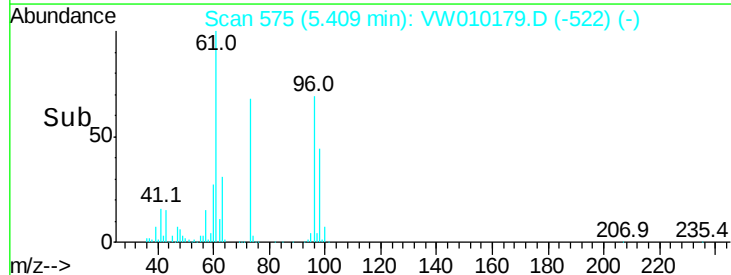
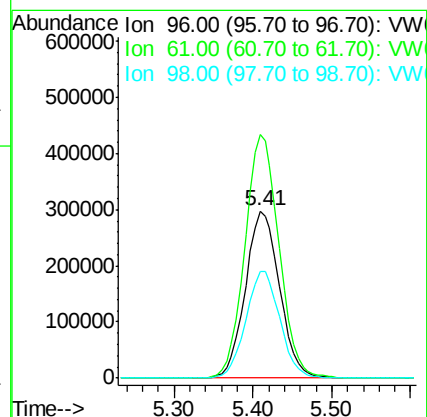
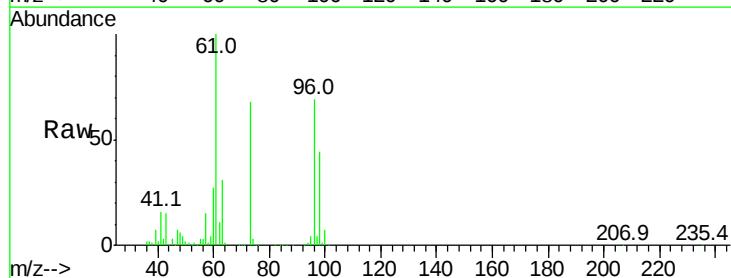
Tgt Ion: 96 Resp: 894448

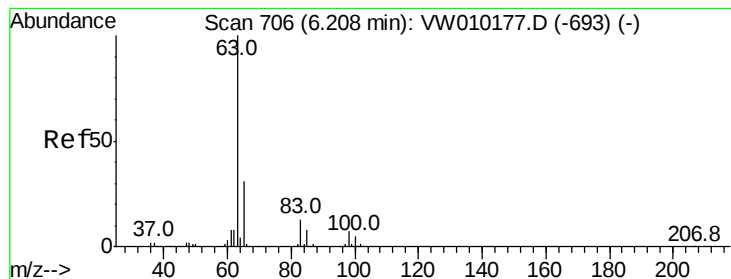
Ion Ratio Lower Upper

96 100

61 145.6 99.4 184.6

98 63.4 44.8 83.2





#19

1,1-Dichloroethane

Concen: 92.536 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD10030

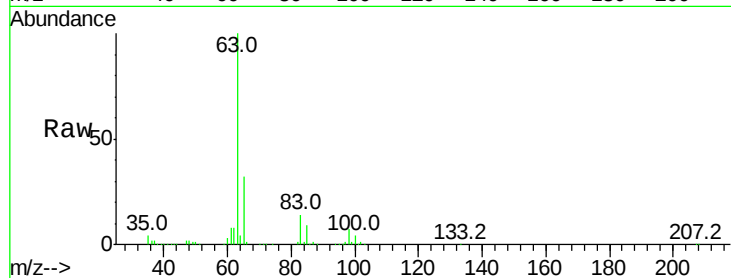
Tgt Ion: 63 Resp: 1654287

Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

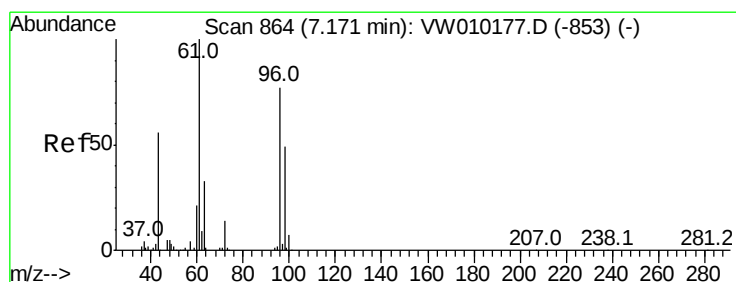
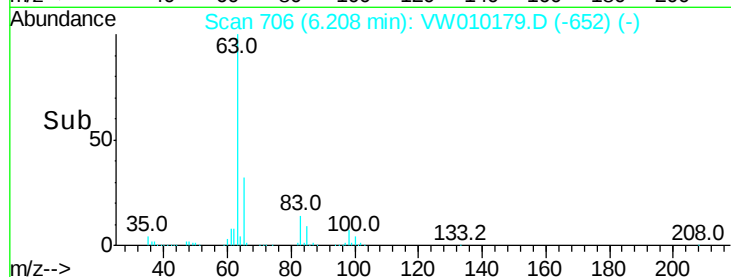
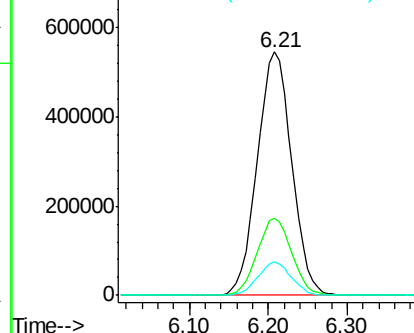
83 13.6 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 211.711 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010179.D

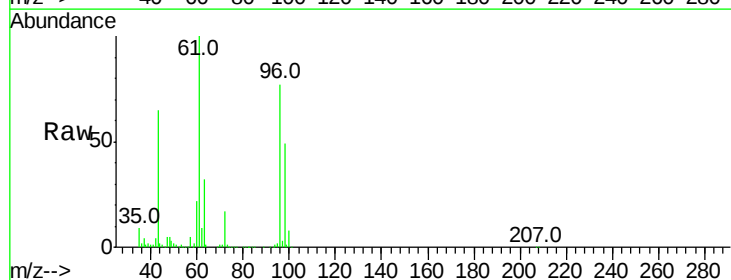
Acq: 29 Apr 2019 12:44

Tgt Ion: 43 Resp: 767507

Ion Ratio Lower Upper

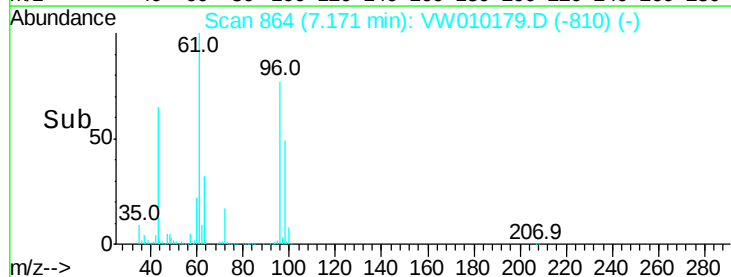
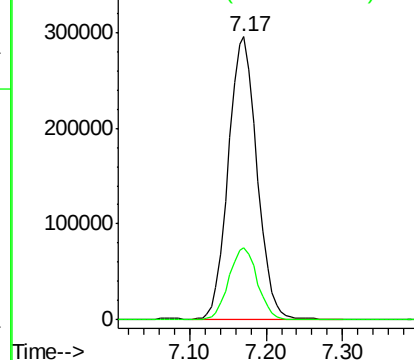
43 100

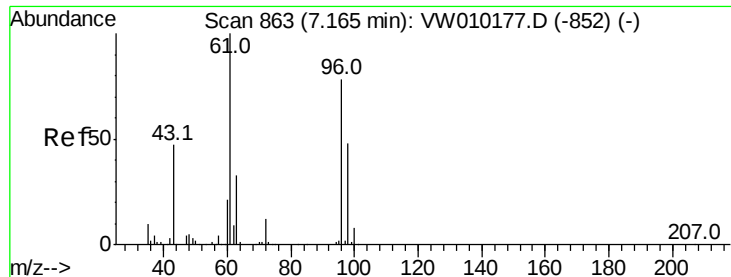
72 25.5 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 99.531 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD10030

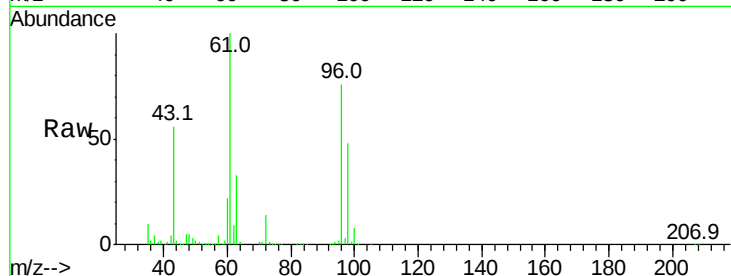
Tgt Ion: 96 Resp: 1006642

Ion Ratio Lower Upper

96 100

61 132.4 90.0 167.2

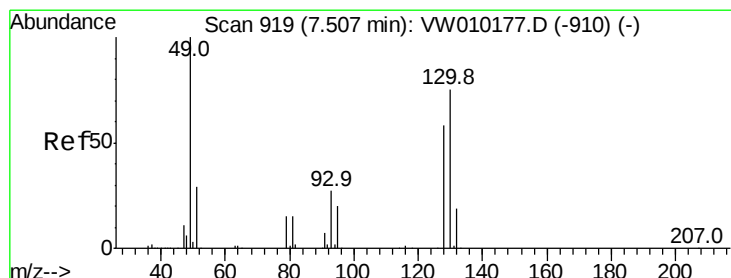
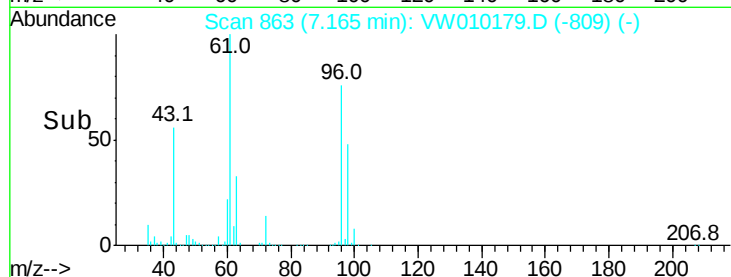
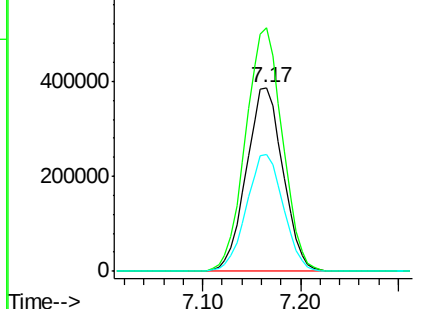
98 63.5 42.8 79.6



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 102.762 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Tgt Ion: 128 Resp: 456465

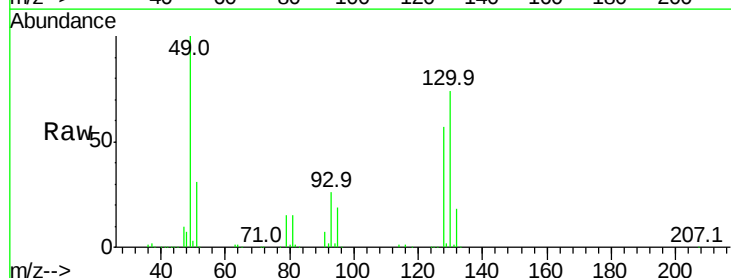
Ion Ratio Lower Upper

128 100

49 175.1 121.7 225.9

130 129.1 91.1 169.1

51 54.9 40.7 61.1

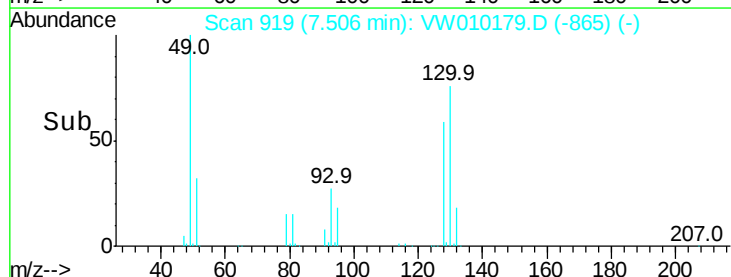
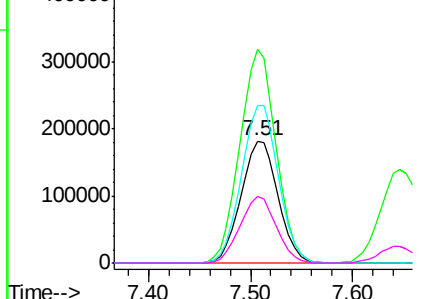


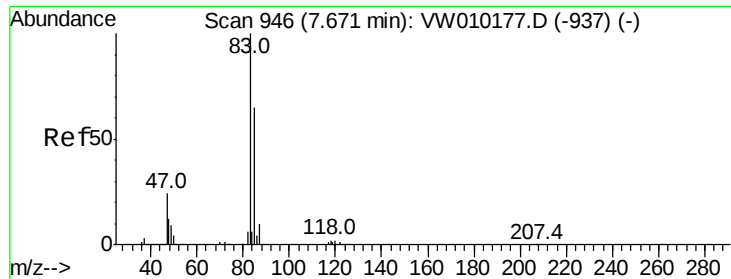
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 95.571 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

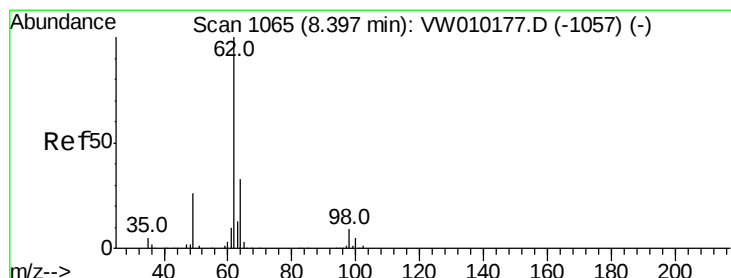
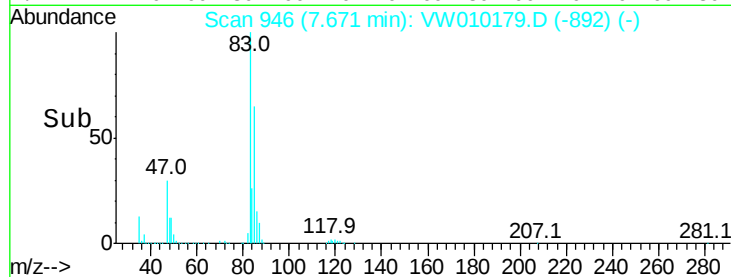
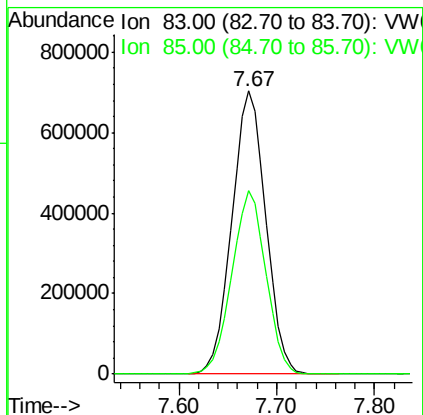
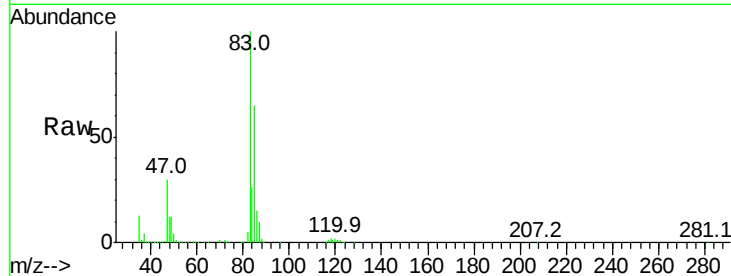
VSTD10030

Tgt Ion: 83 Resp: 1686786

Ion Ratio Lower Upper

83 100

85 65.2 46.3 85.9



#27

1,2-Dichloroethane

Concen: 95.433 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010179.D

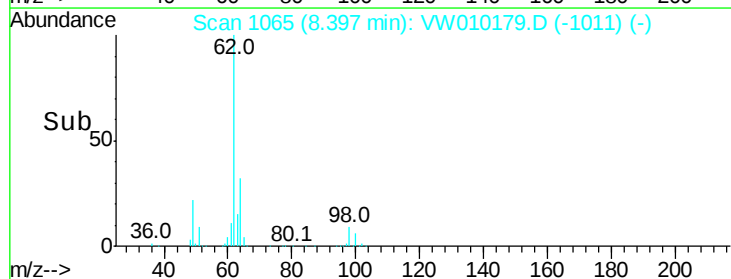
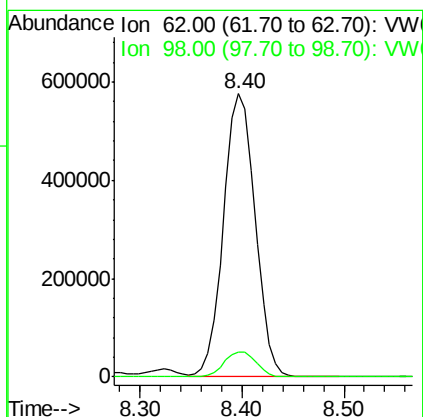
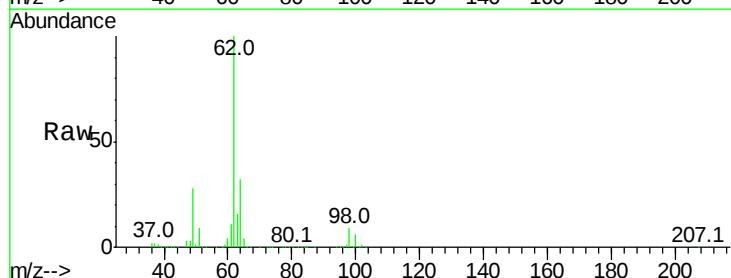
Acq: 29 Apr 2019 12:44

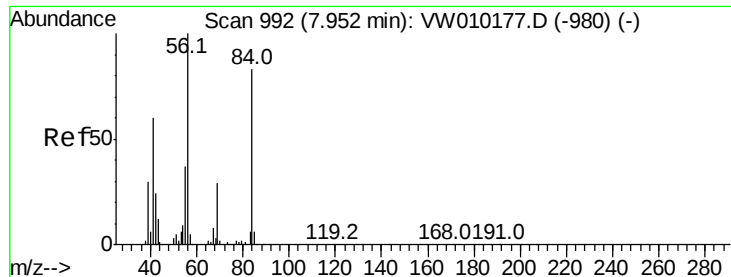
Tgt Ion: 62 Resp: 1241238

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.6

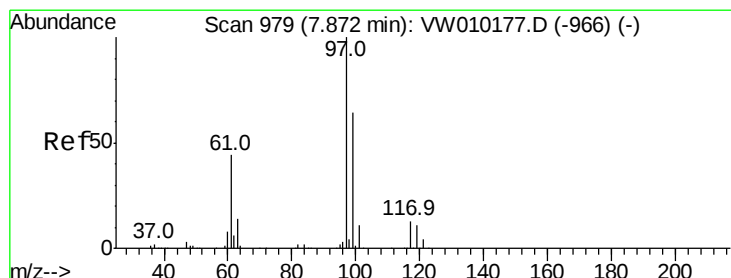
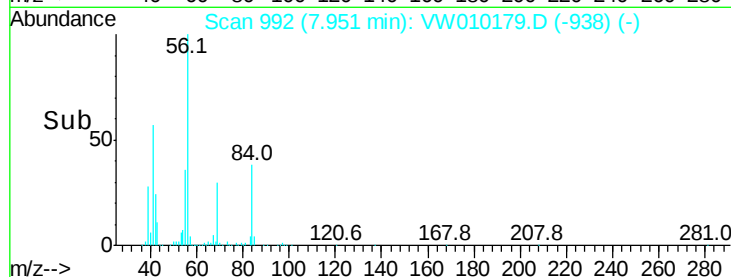
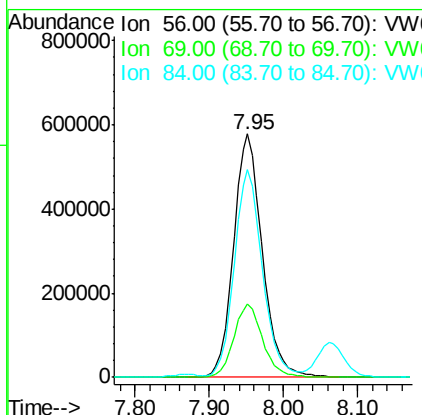
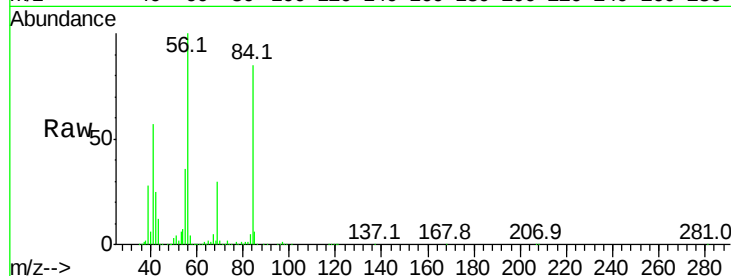




#30
Cyclohexane
Concen: 93.270 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

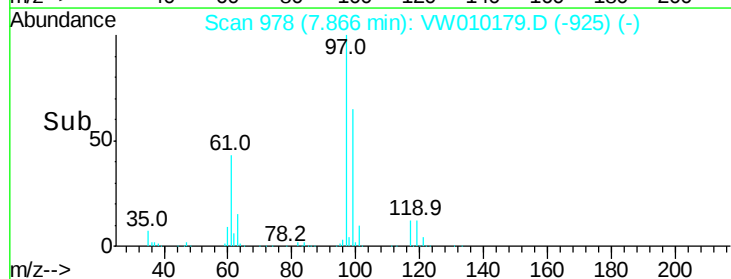
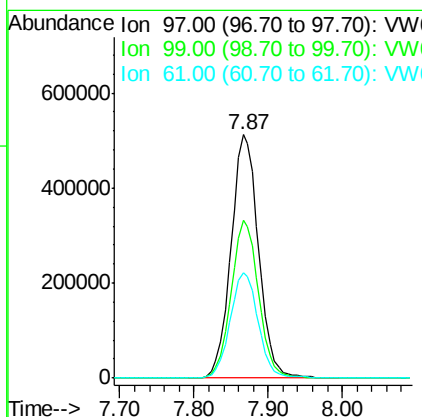
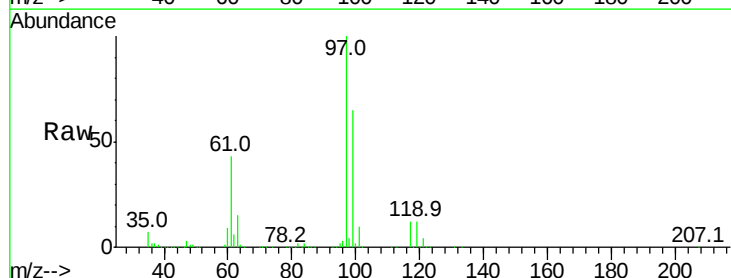
Instrument :
MSVOA_W
ClientSampleId :
VSTD10030

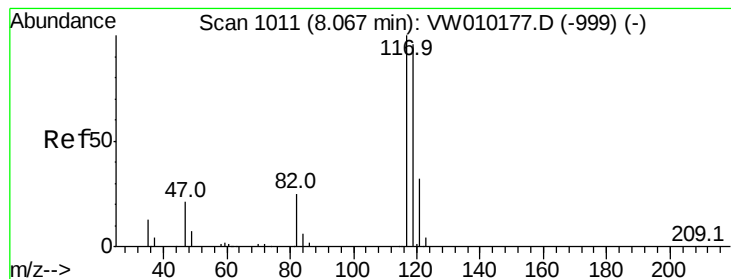
Tgt Ion: 56 Resp: 1564878
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.2
84 84.1 67.0 100.6



#31
1,1,1-Trichloroethane
Concen: 95.294 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

Tgt Ion: 97 Resp: 1324747
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 44.2 36.2 54.4





#32

Carbon tetrachloride

Concen: 98.158 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

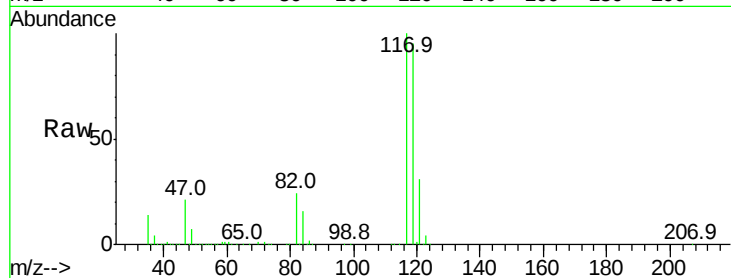
VSTD10030

Tgt Ion:117 Resp: 1350948

Ion Ratio Lower Upper

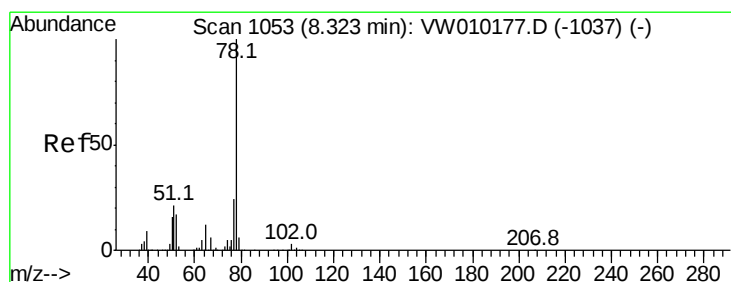
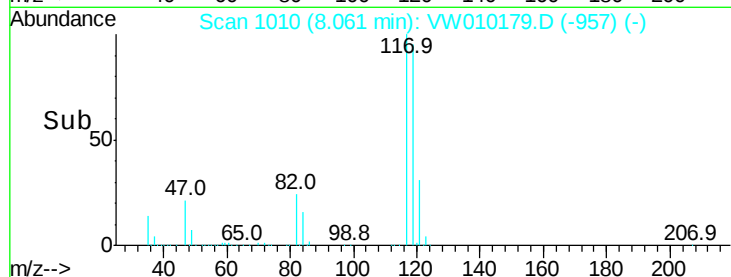
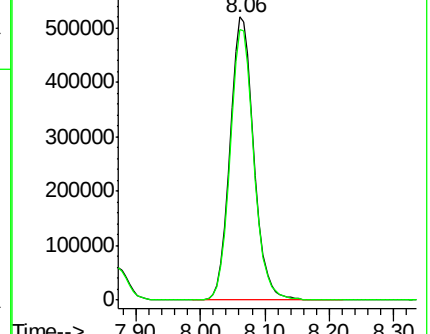
117 100

119 95.8 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 91.853 ug/L

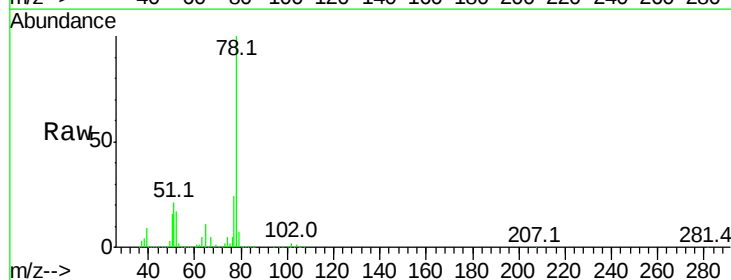
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

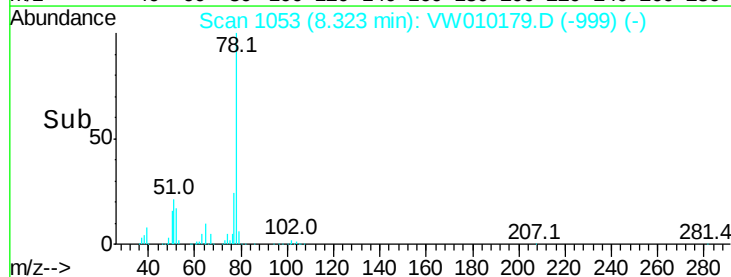
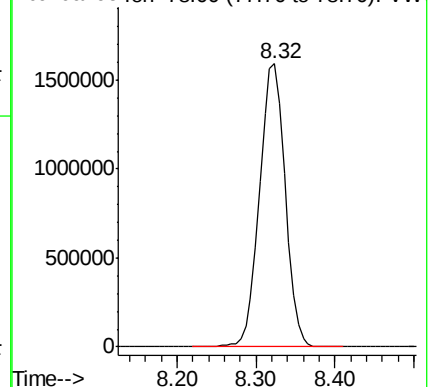
Lab File: VW010179.D

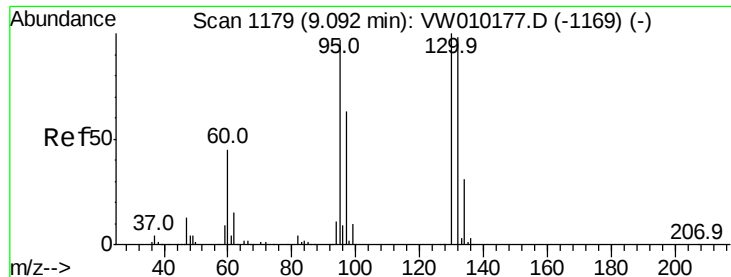
Acq: 29 Apr 2019 12:44

Tgt Ion: 78 Resp: 3611355



Abundance Ion 78.00 (77.70 to 78.70): VW

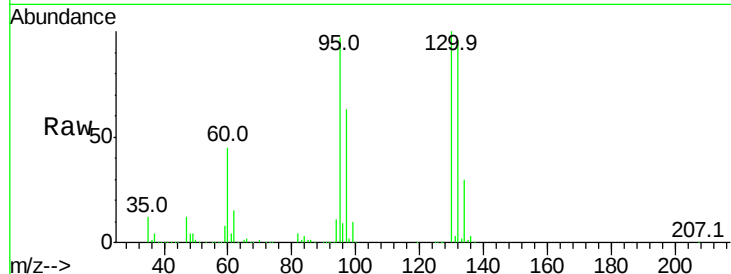




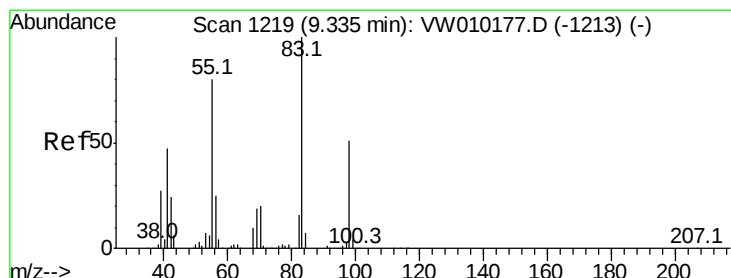
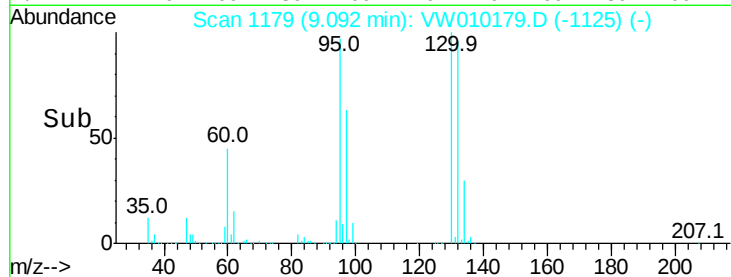
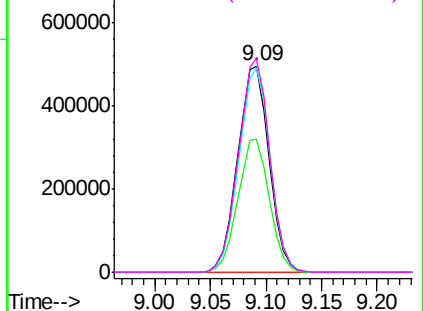
#35
 Trichloroethene
 Concen: 93.170 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

Tgt Ion:	95	Resp:	966100
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.4	84.2
132	98.5	69.2	128.6
130	103.2	72.2	134.2

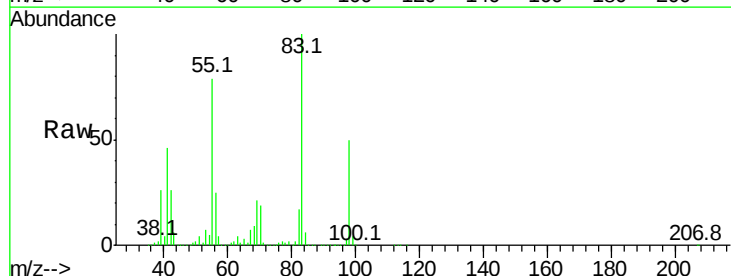


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

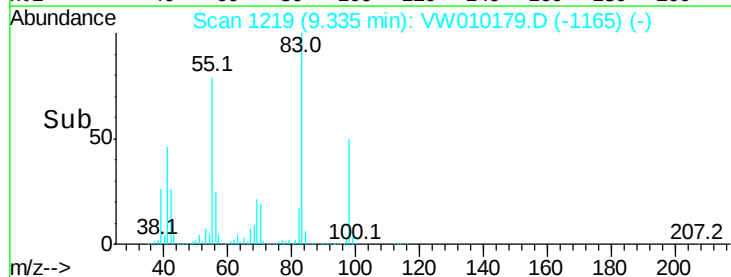
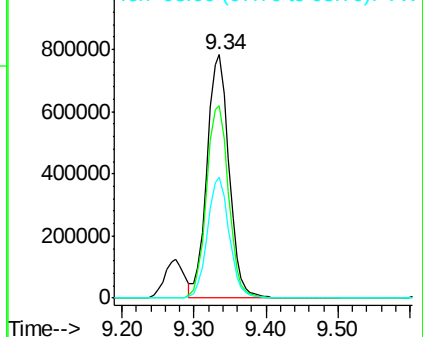


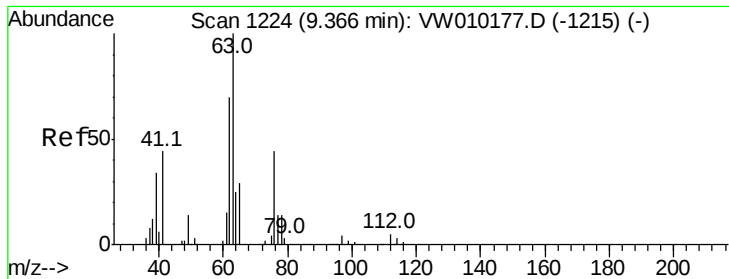
#36
 Methylcyclohexane
 Concen: 95.678 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion:	83	Resp:	1662615
Ion	Ratio	Lower	Upper
83	100		
55	79.7	64.5	96.7
98	48.7	39.4	59.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 93.392 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

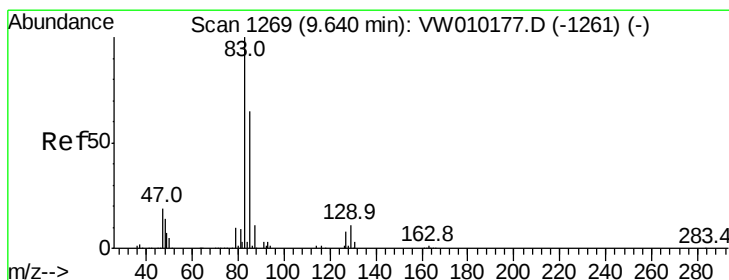
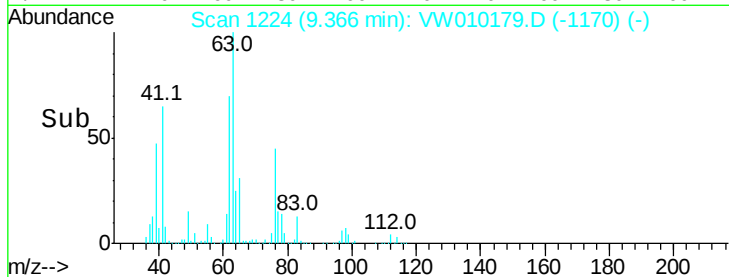
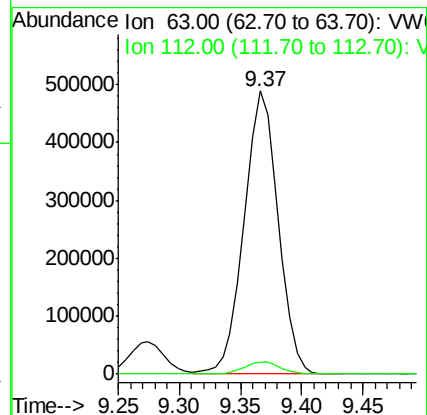
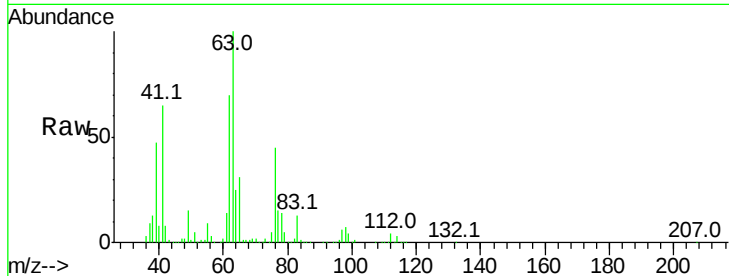
VSTD10030

Tgt Ion: 63 Resp: 947586

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#41

Bromodichloromethane

Concen: 98.956 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

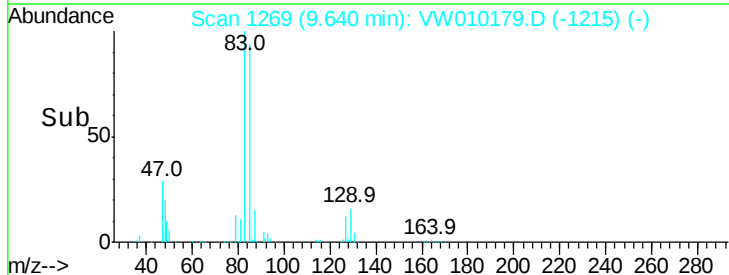
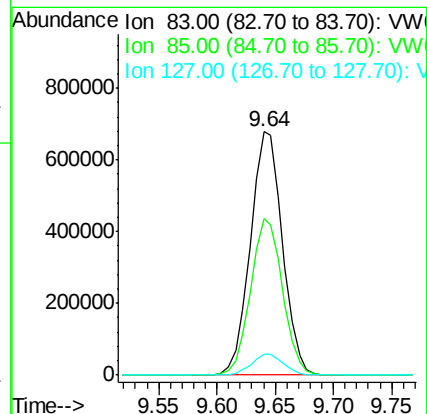
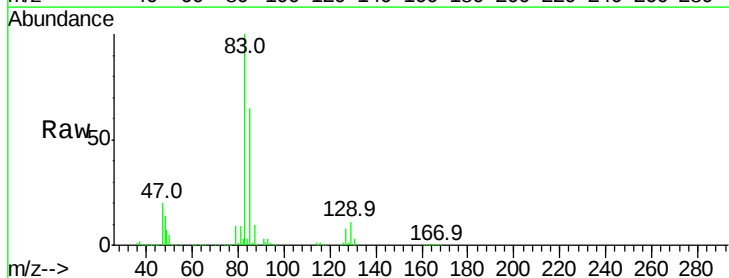
Tgt Ion: 83 Resp: 1297454

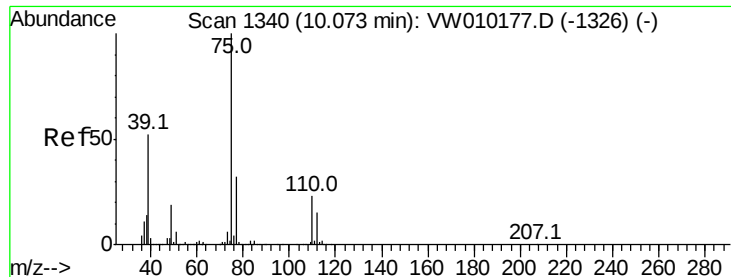
Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.0

127 8.5 6.6 10.0

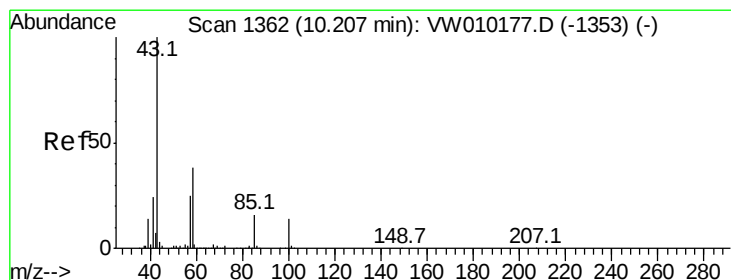
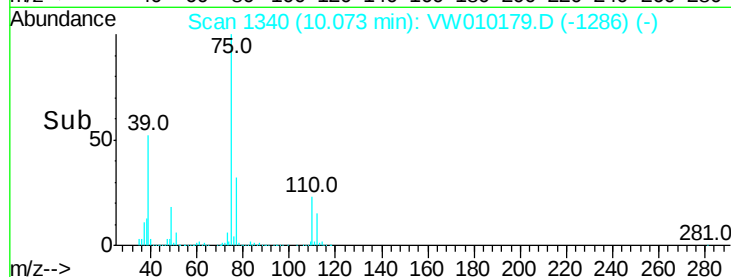
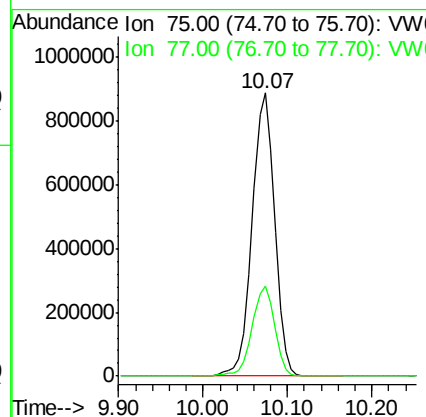
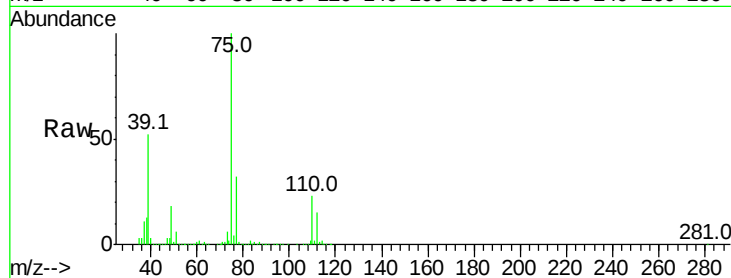




#42
 cis-1,3-Dichloropropene
 Concen: 101.272 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

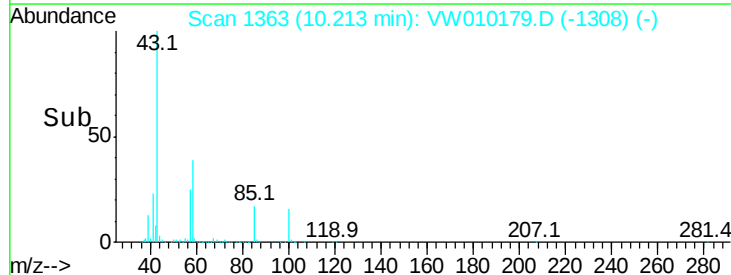
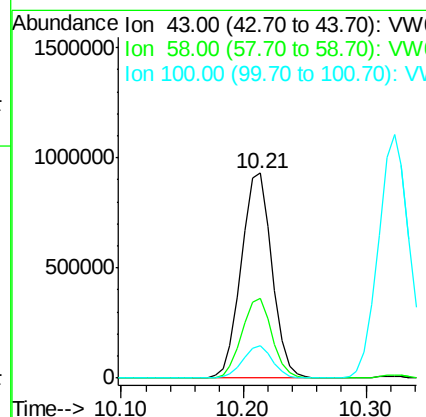
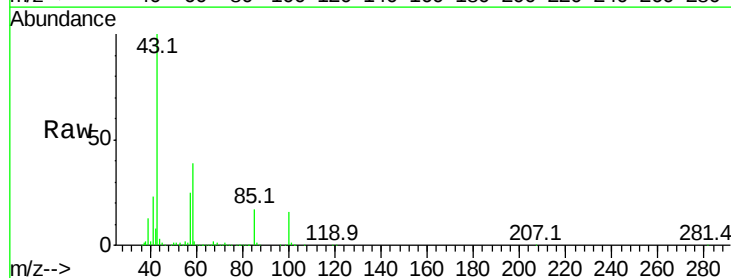
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

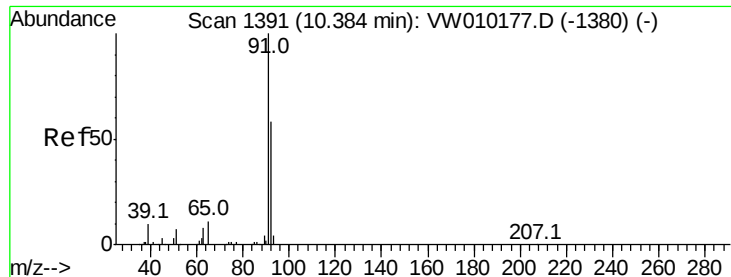
Tgt Ion: 75 Resp: 1598010
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 206.940 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion: 43 Resp: 1617742
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.3 45.5
 100 15.3 11.9 17.9





#44

Toluene

Concen: 93.858 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

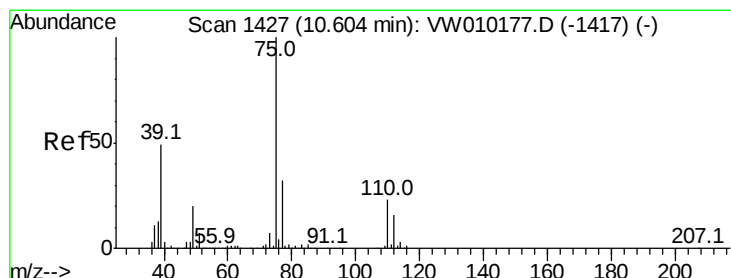
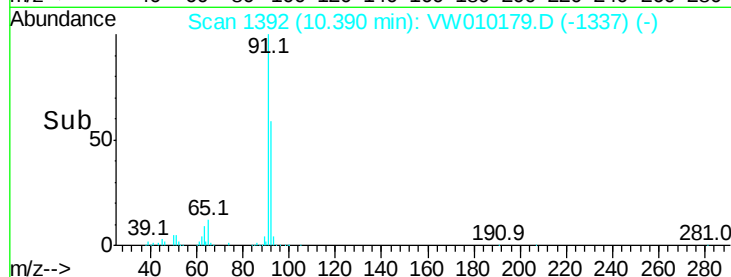
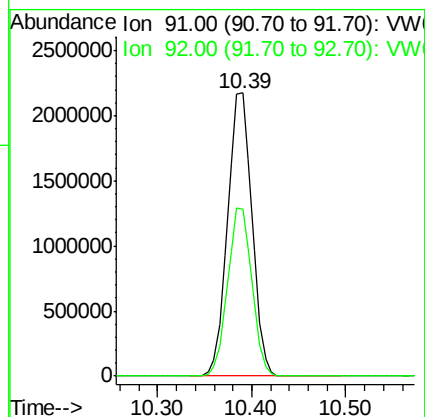
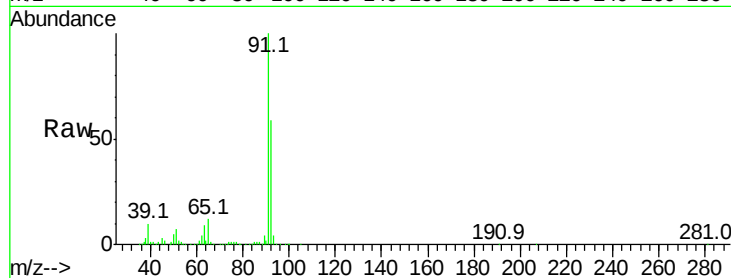
VSTD10030

Tgt Ion: 91 Resp: 3906371

Ion Ratio Lower Upper

91 100

92 59.1 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 103.335 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010179.D

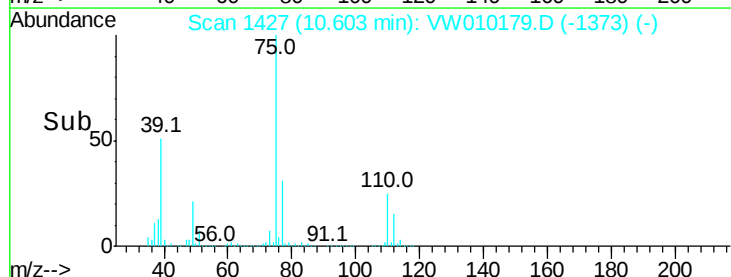
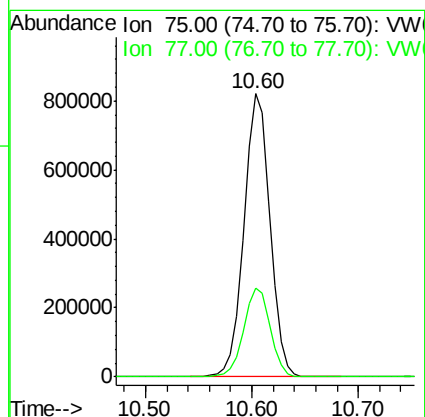
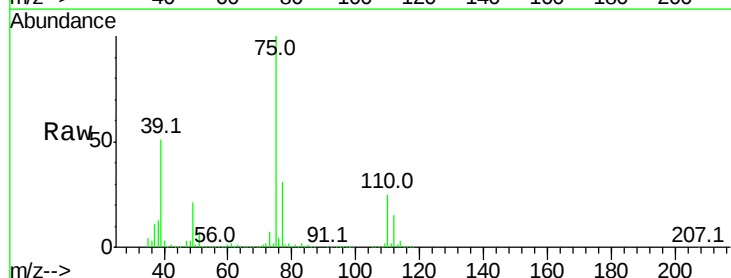
Acq: 29 Apr 2019 12:44

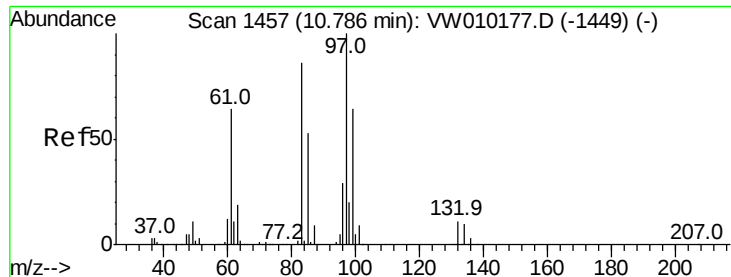
Tgt Ion: 75 Resp: 1407040

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6

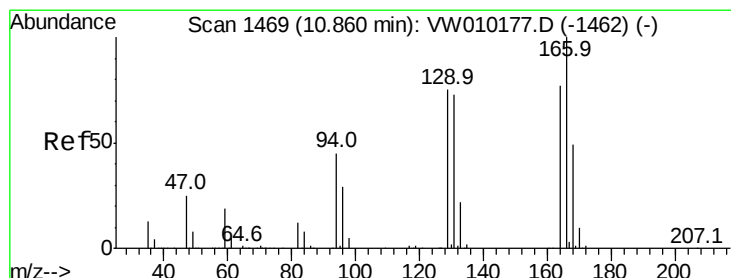
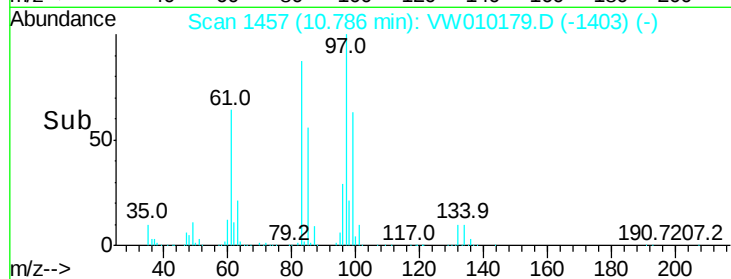
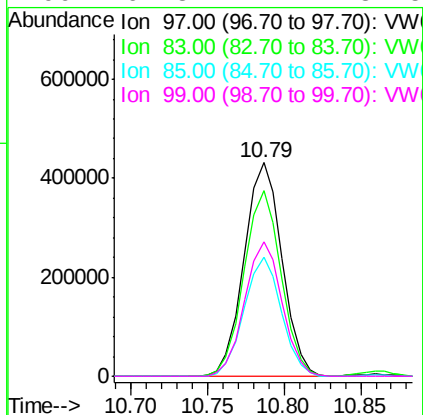
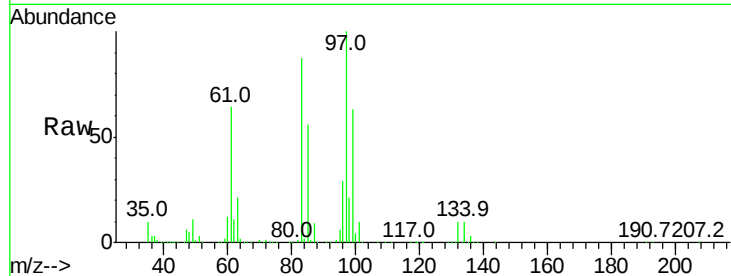




#46
 1,1,2-Trichloroethane
 Concen: 100.860 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

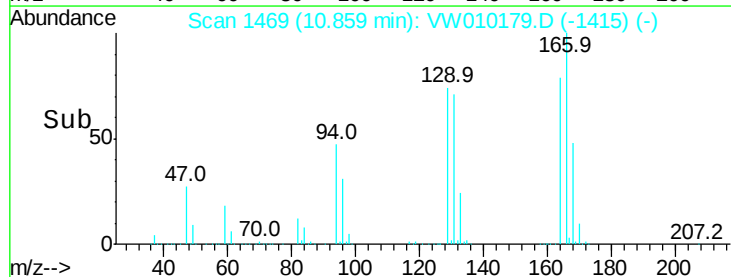
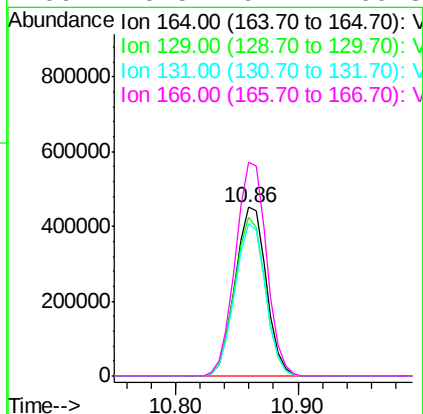
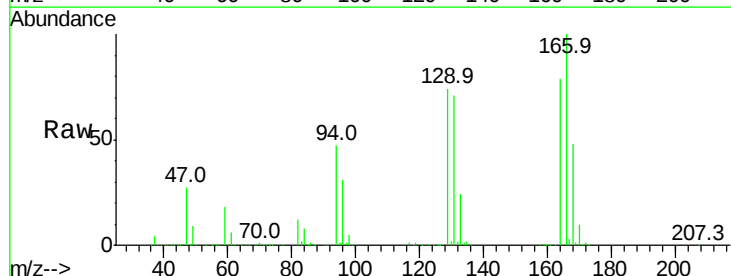
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

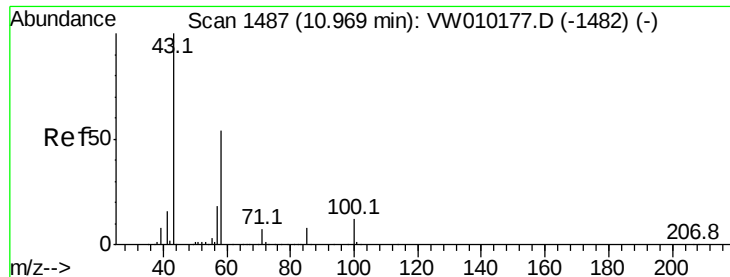
Tgt Ion:	97	Resp:	742451
Ion	Ratio	Lower	Upper
97	100		
83	86.8	60.0	111.4
85	55.7	36.8	68.4
99	62.8	44.4	82.5



#47
 Tetrachloroethene
 Concen: 100.208 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion:	164	Resp:	792867
Ion	Ratio	Lower	Upper
164	100		
129	93.8	68.3	126.9
131	90.3	66.8	124.0
166	126.5	91.1	169.3



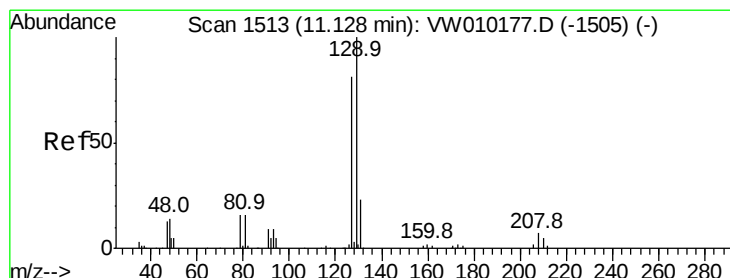
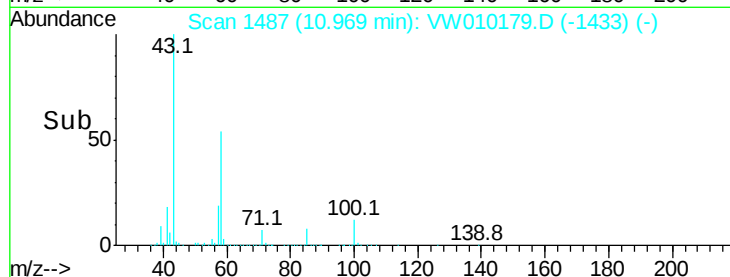
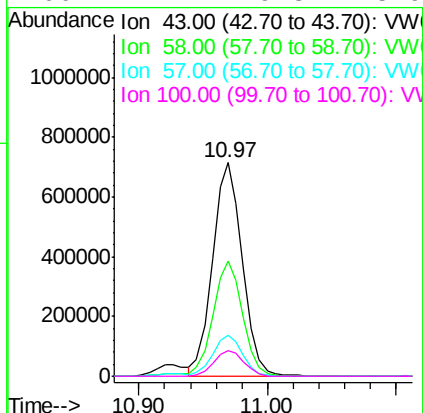
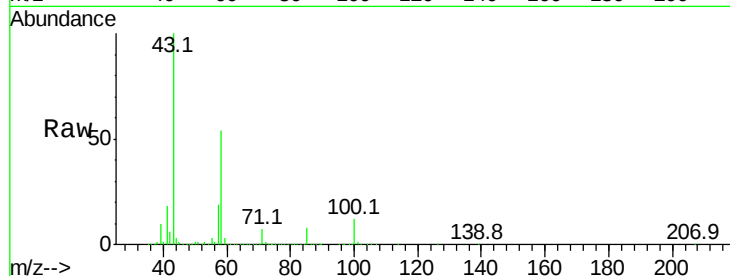


#49
2-Hexanone
Concen: 208.863 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD10030

Tgt Ion: 43 Resp: 1154033

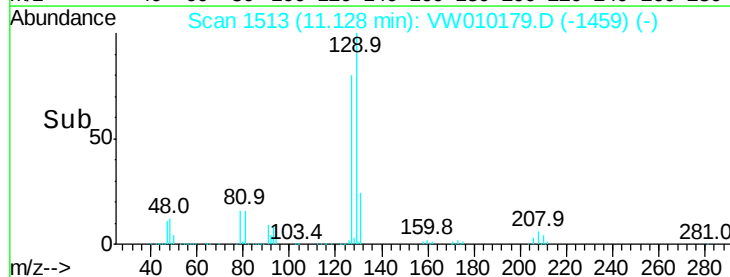
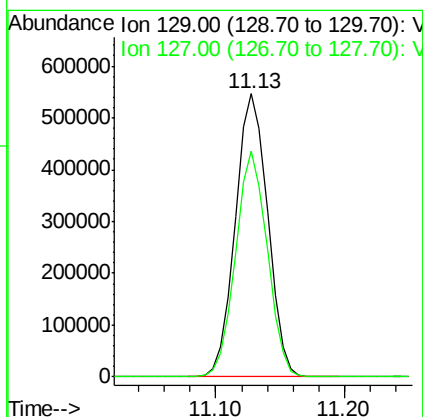
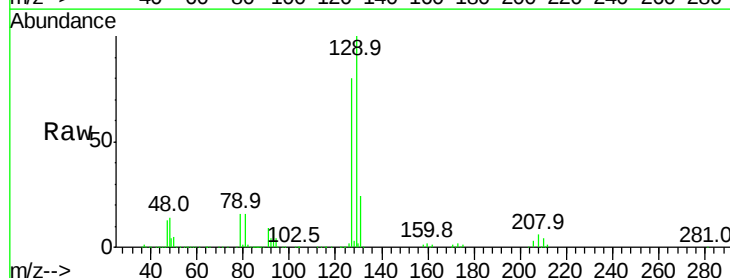
Ion	Ratio	Lower	Upper
43	100		
58	53.5	41.4	62.2
57	19.1	14.8	22.2
100	12.1	9.3	13.9

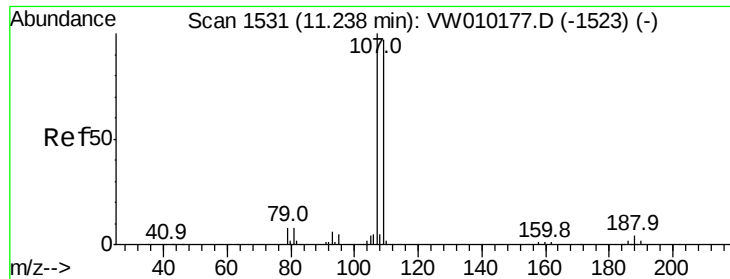


#50
Dibromochloromethane
Concen: 107.914 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

Tgt Ion: 129 Resp: 951861

Ion	Ratio	Lower	Upper
129	100		
127	79.6	56.4	104.8

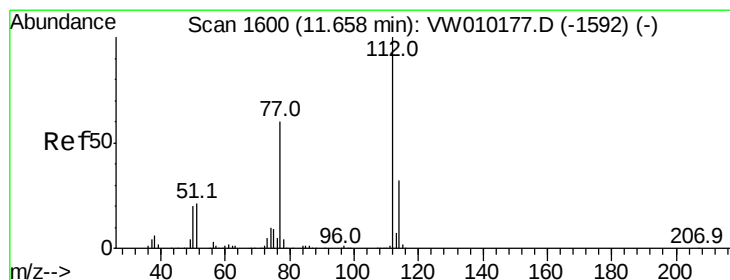
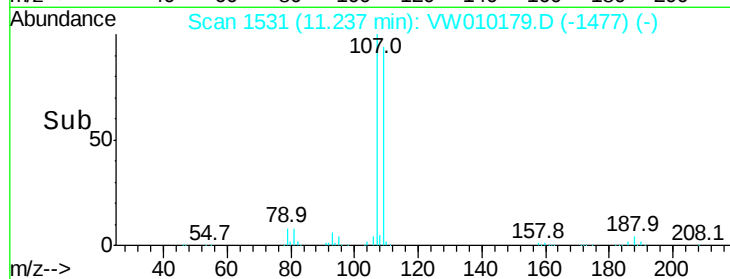
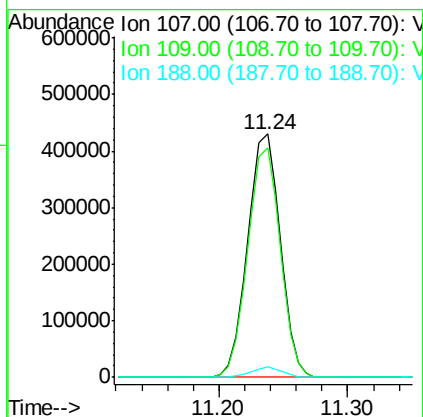
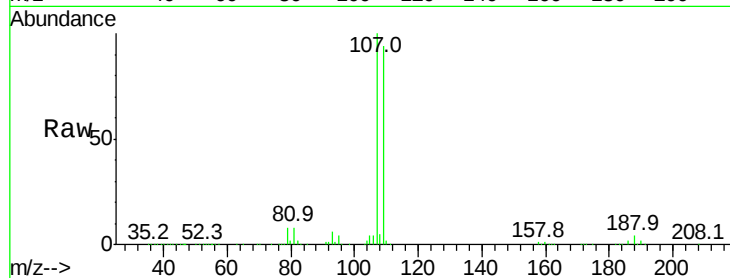




#51
 1,2-Dibromoethane
 Concen: 102.775 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

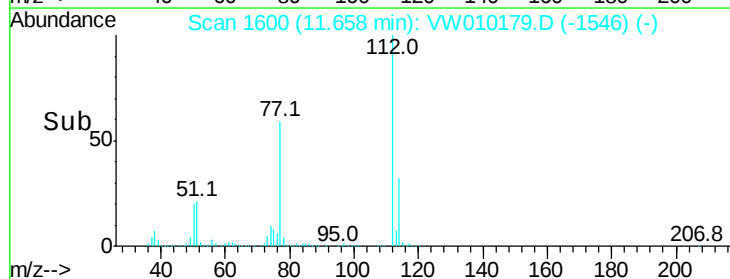
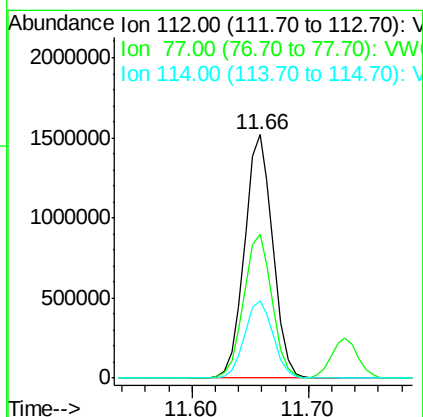
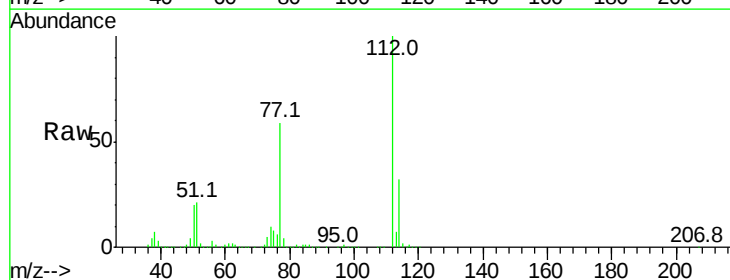
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

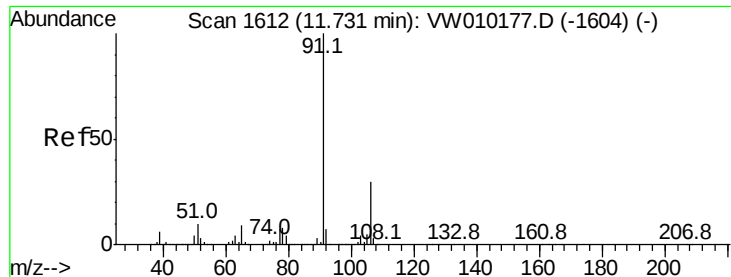
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	68.3	126.9
188	4.2	3.3	4.9



#52
 Chlorobenzene
 Concen: 96.681 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.2	48.2	72.2
114	32.0	22.2	41.2

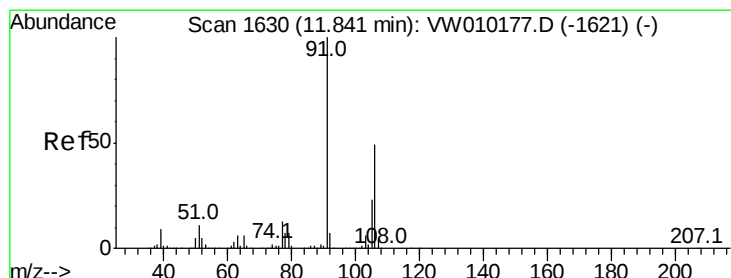
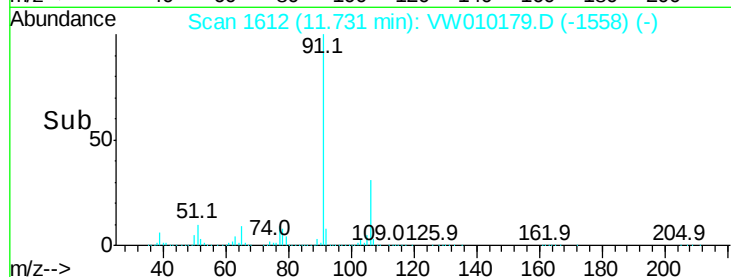
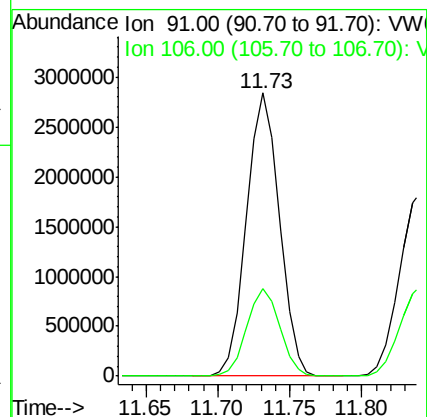
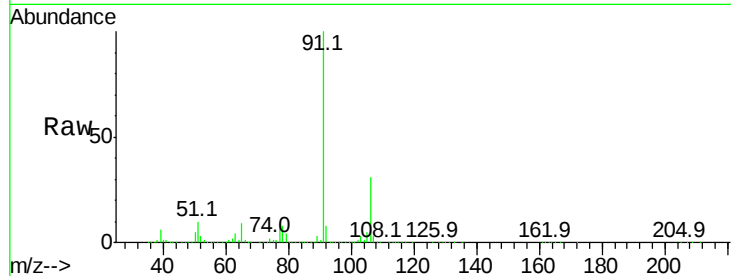




#53
Ethylbenzene
Concen: 96.451 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

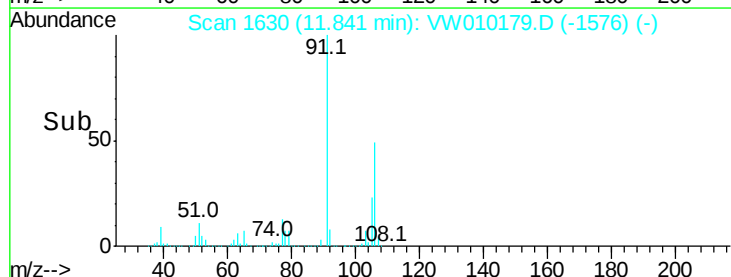
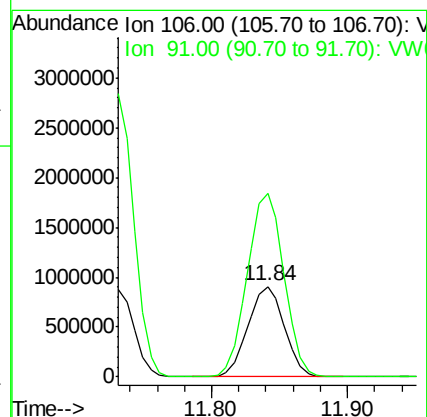
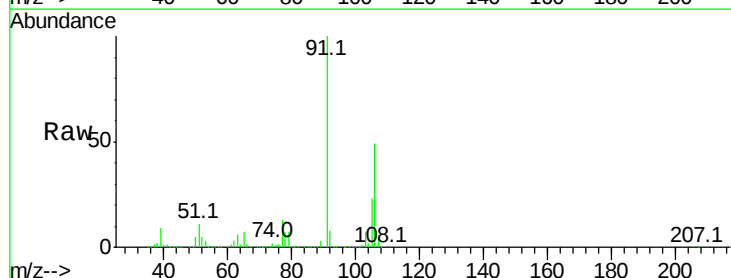
Instrument :
MSVOA_W
ClientSampleId :
VSTD10030

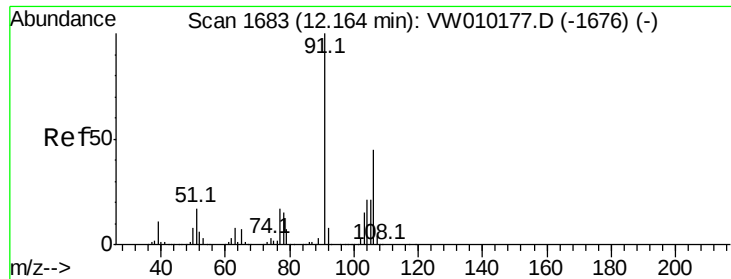
Tgt Ion: 91 Resp: 4505525
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.6



#54
m,p-Xylene
Concen: 98.328 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

Tgt Ion: 106 Resp: 1699005
Ion Ratio Lower Upper
106 100
91 202.3 143.8 267.0

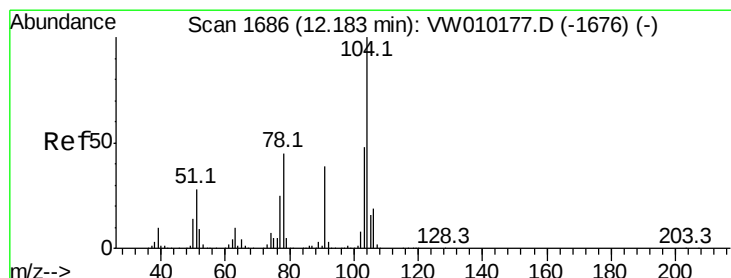
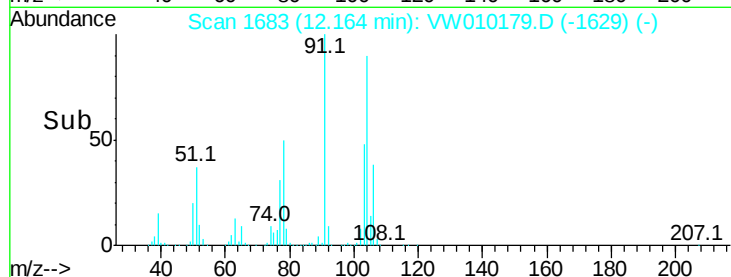
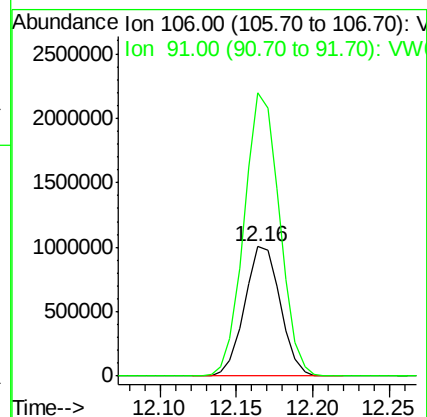
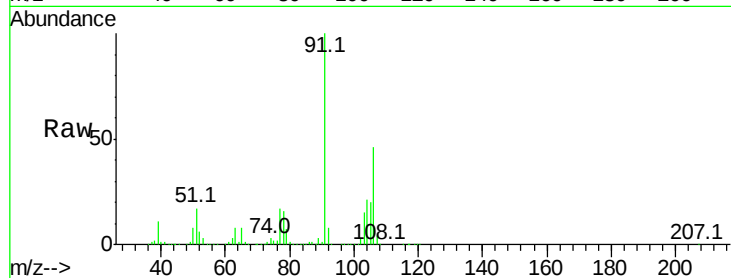




#55
o-xylene
Concen: 99.815 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

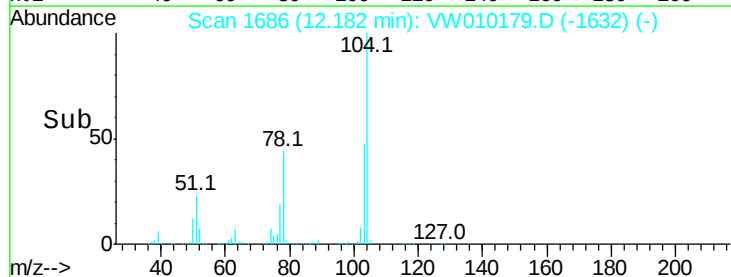
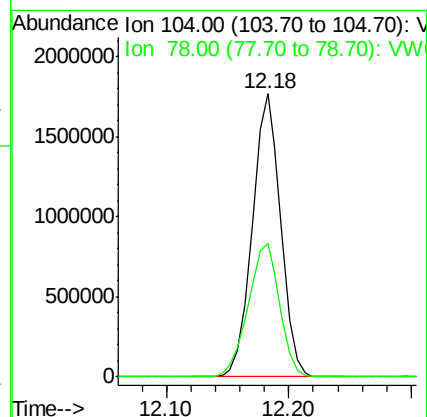
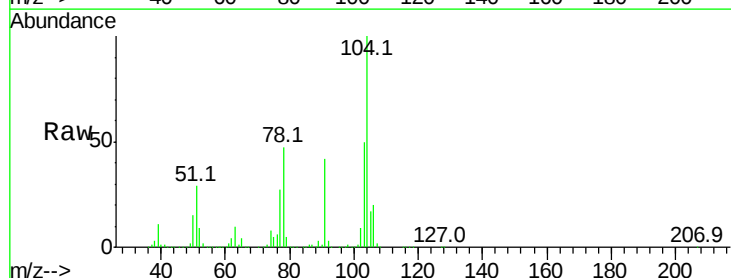
Instrument :
MSVOA_W
ClientSampleId :
VSTD10030

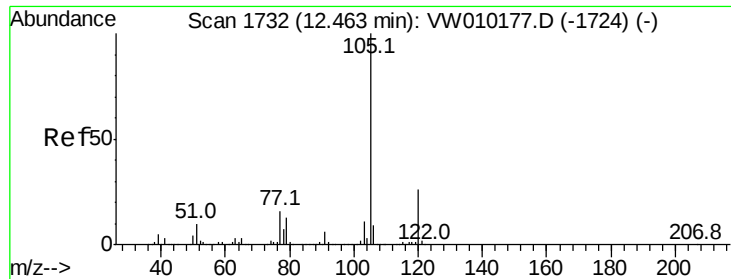
Tgt Ion:106 Resp: 1635480
Ion Ratio Lower Upper
106 100
91 218.2 156.2 290.2



#56
Styrene
Concen: 102.032 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010179.D
Acq: 29 Apr 2019 12:44

Tgt Ion:104 Resp: 2843282
Ion Ratio Lower Upper
104 100
78 47.2 31.9 59.2





#57

Isopropylbenzene

Concen: 98.530 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD10030

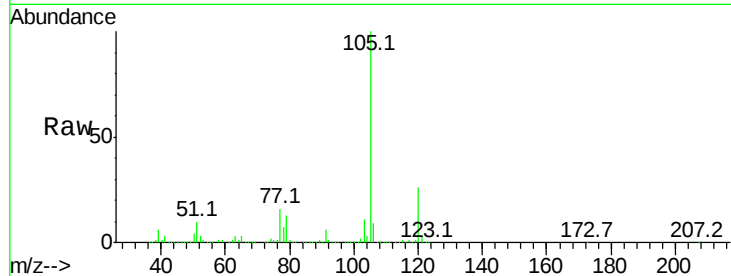
Tgt Ion:105 Resp: 4392598

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

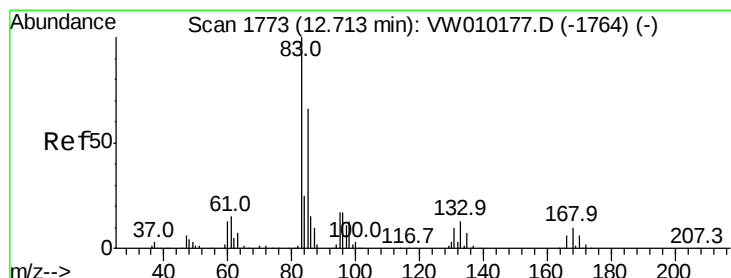
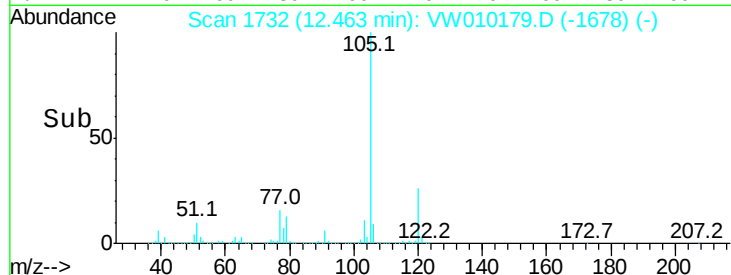
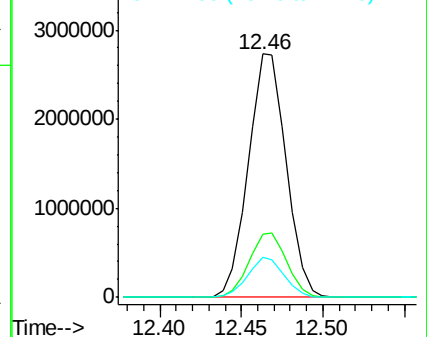
77 16.0 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 101.819 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

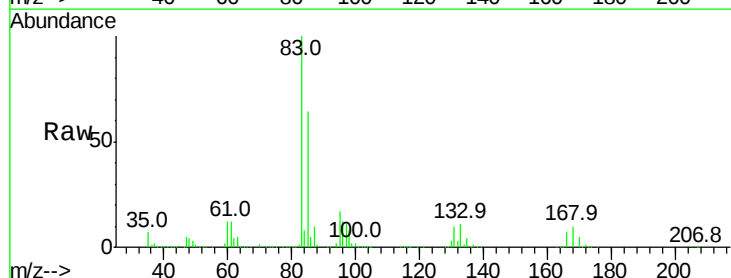
Tgt Ion: 83 Resp: 949332

Ion Ratio Lower Upper

83 100

85 64.1 46.5 86.5

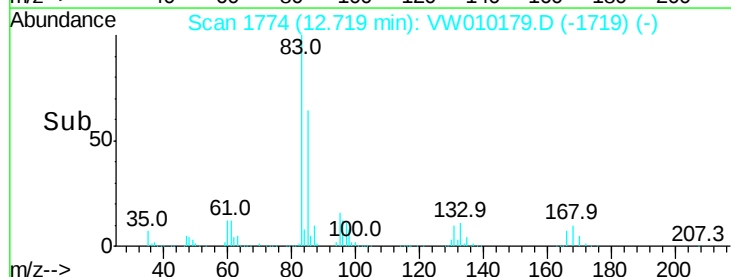
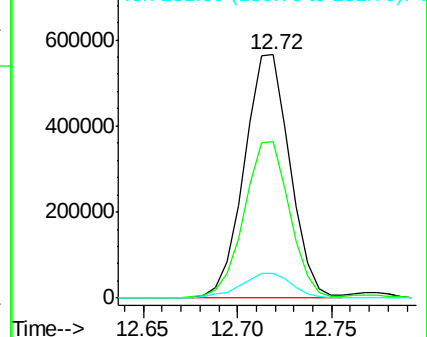
131 10.3 8.0 12.0

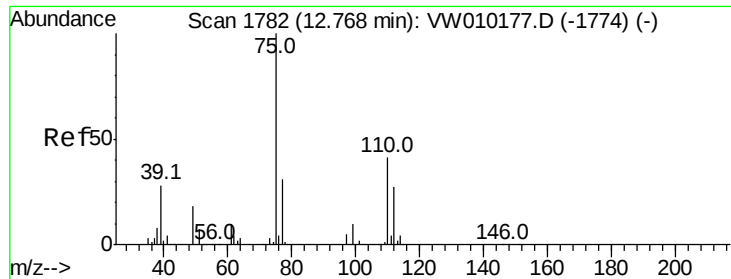


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.885 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

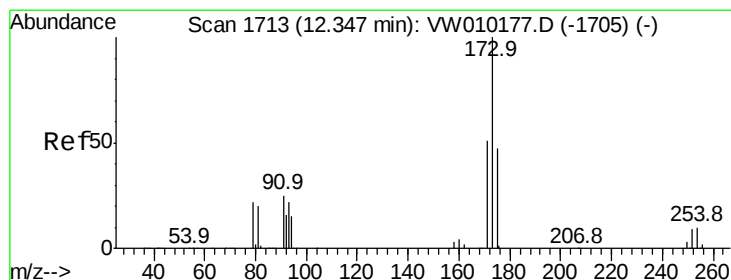
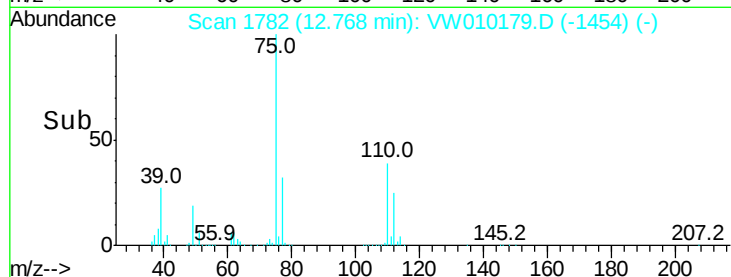
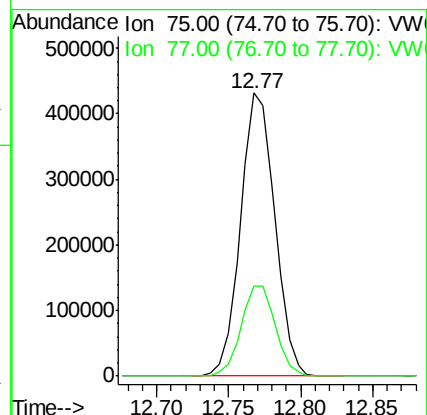
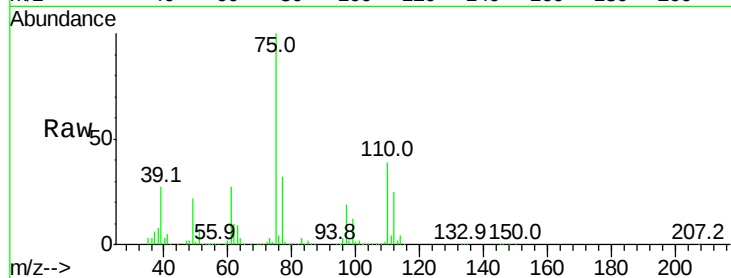
VSTD10030

Tgt Ion: 75 Resp: 711821

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#62

Bromoform

Concen: 109.243 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

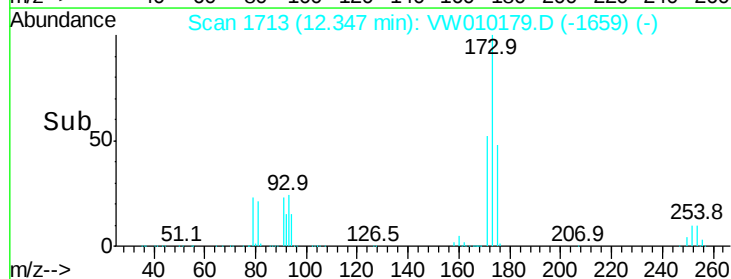
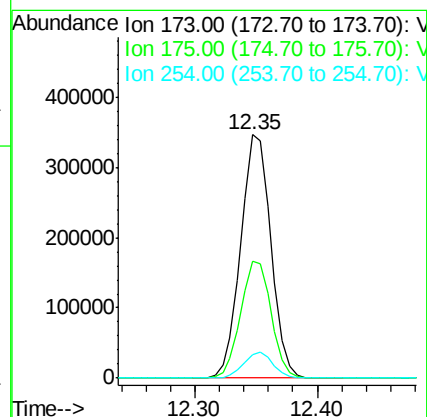
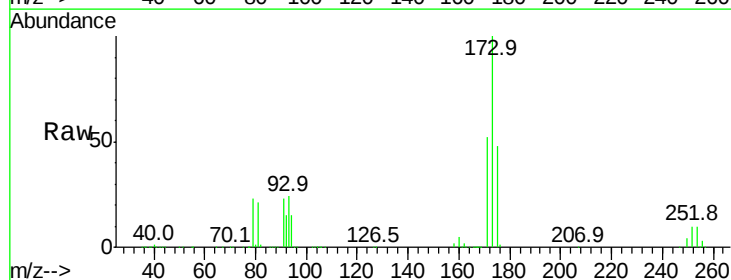
Tgt Ion: 173 Resp: 590617

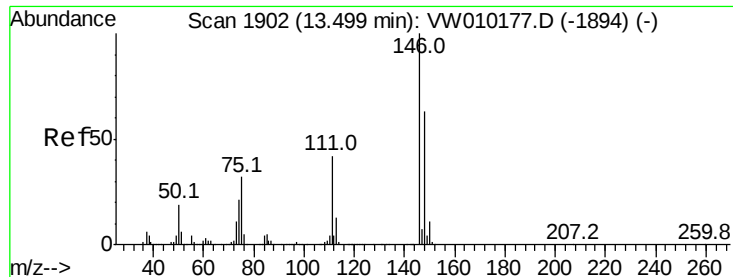
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 10.4 8.0 12.0

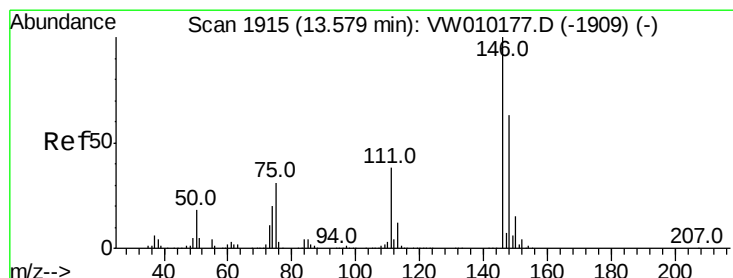
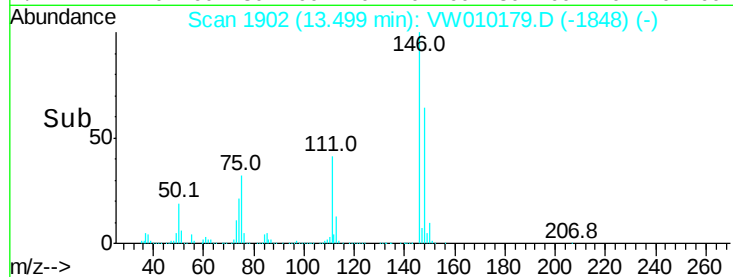
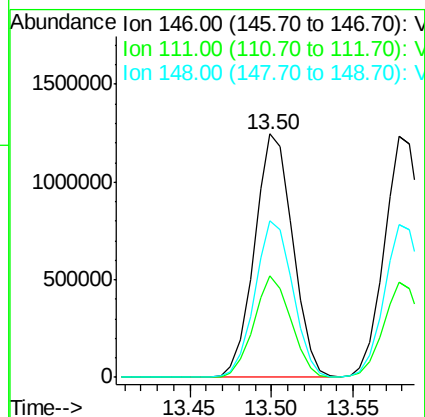
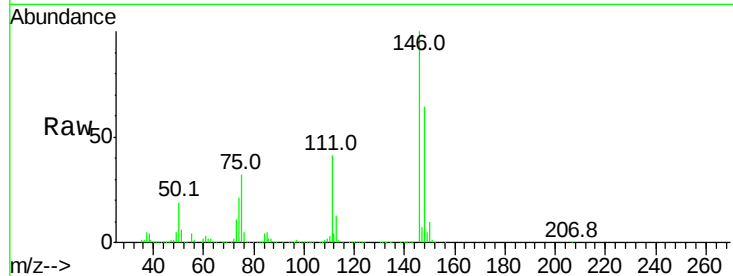




#63
 1,3-Dichlorobenzene
 Concen: 97.782 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

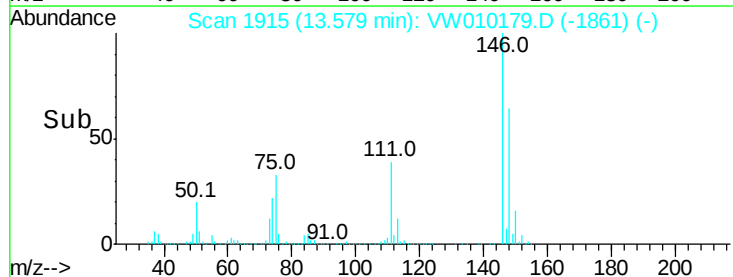
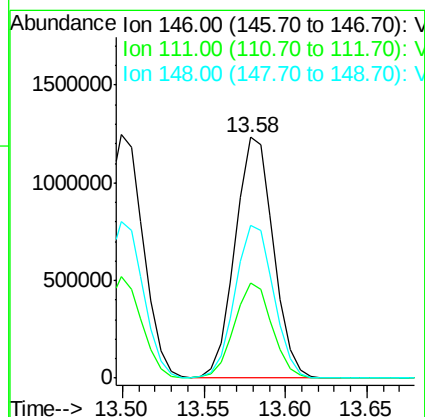
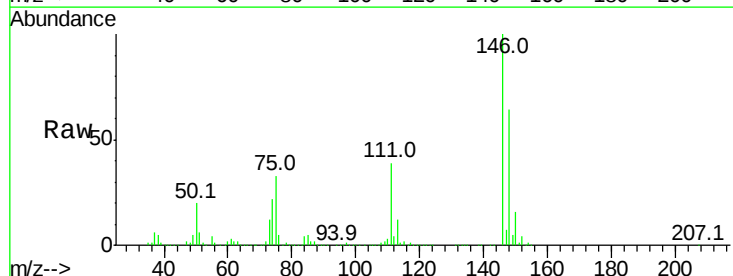
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

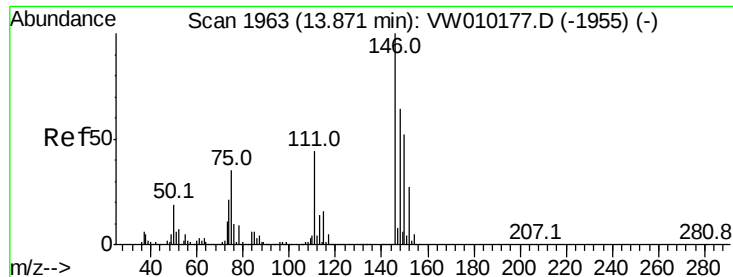
Tgt Ion:146 Resp: 2024424
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.3 54.5
 148 64.5 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 93.818 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion:146 Resp: 2015673
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.5 49.1
 148 63.6 43.9 81.5



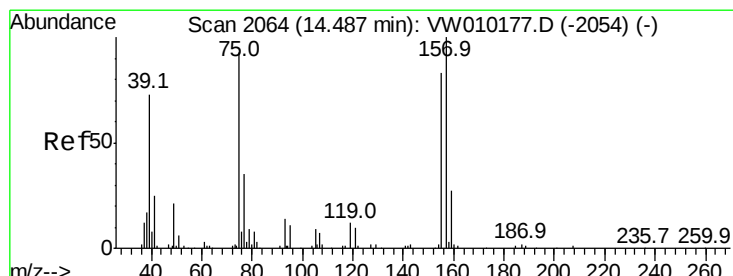
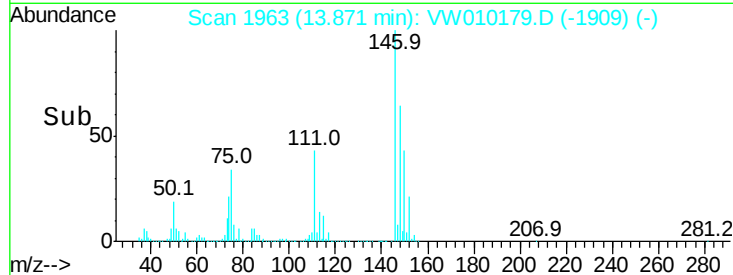
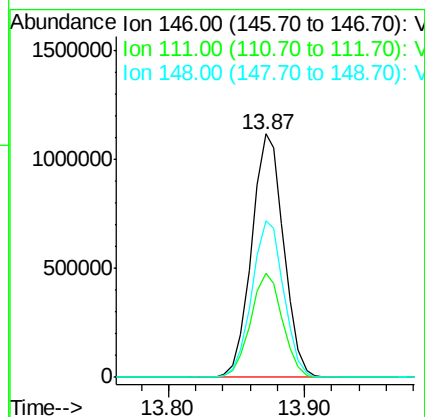
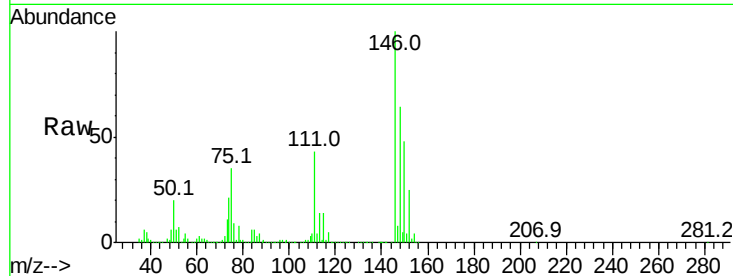


#65
 1,2-Dichlorobenzene
 Concen: 96.106 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

Tgt Ion: 146 Resp: 1840367

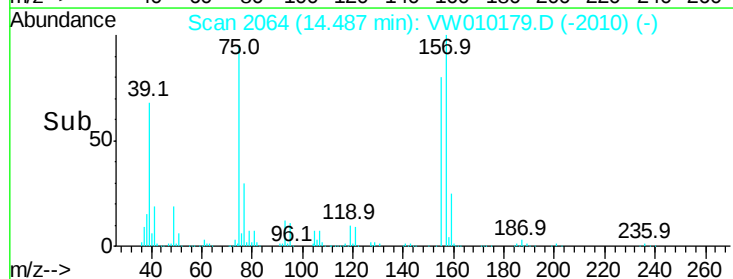
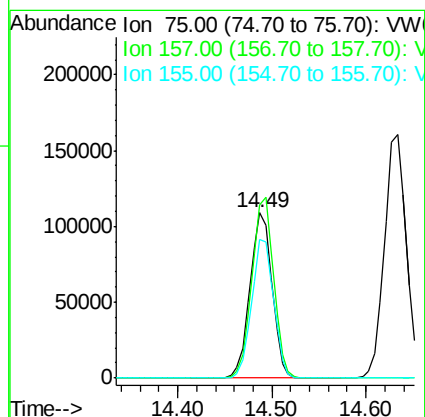
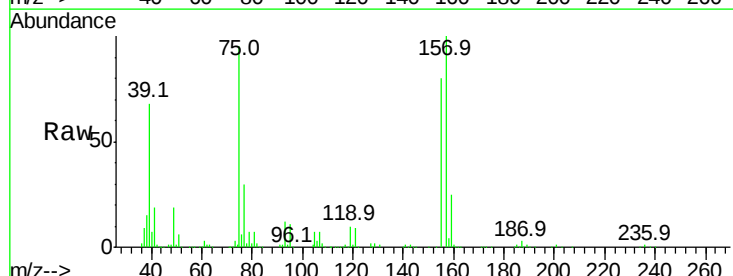
Ion	Ratio	Lower	Upper
146	100		
111	43.0	35.0	52.4
148	64.2	51.2	76.8

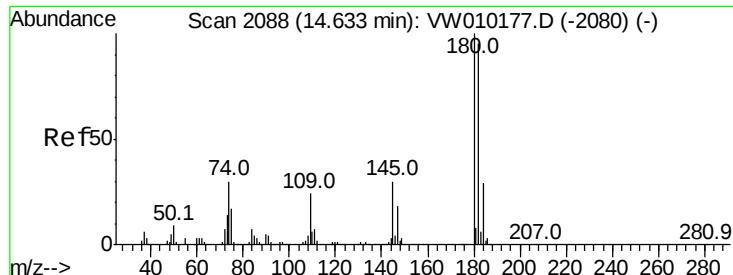


#66
 1,2-Dibromo-3-chloropropane
 Concen: 99.380 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion: 75 Resp: 176896

Ion	Ratio	Lower	Upper
75	100		
157	104.9	85.7	128.5
155	83.7	70.8	106.2

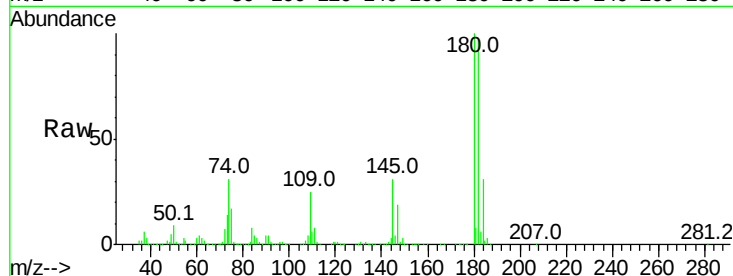




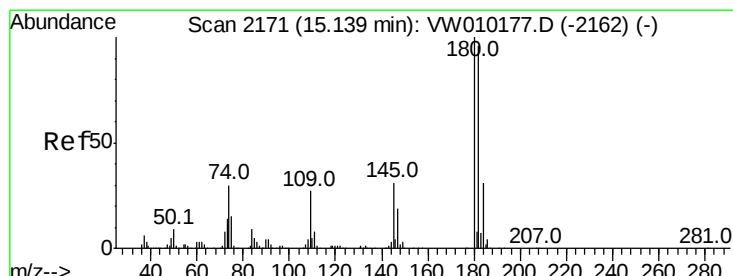
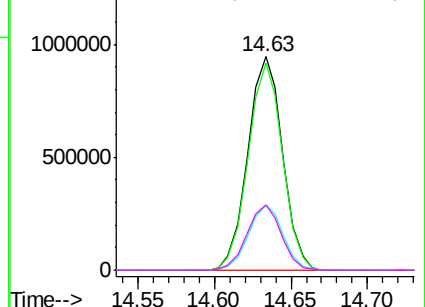
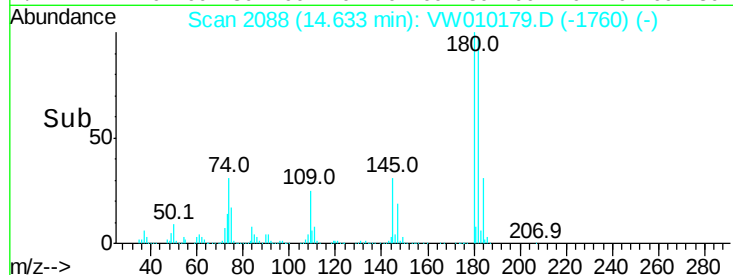
#67
 1,3,5-Trichlorobenzene
 Concen: 98.074 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10030

Tgt Ion:180 Resp: 1488980
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.7 113.5
 184 30.3 23.8 35.6
 145 30.2 23.8 35.8

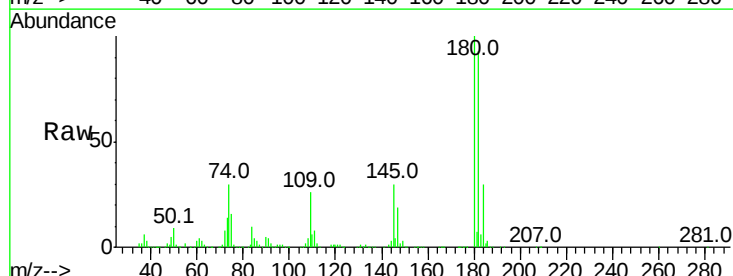


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

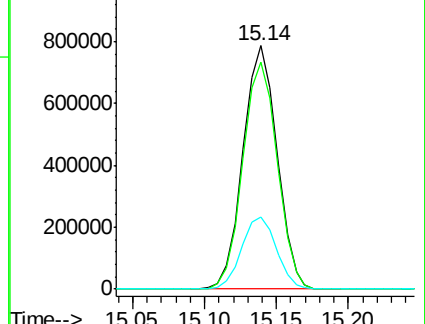
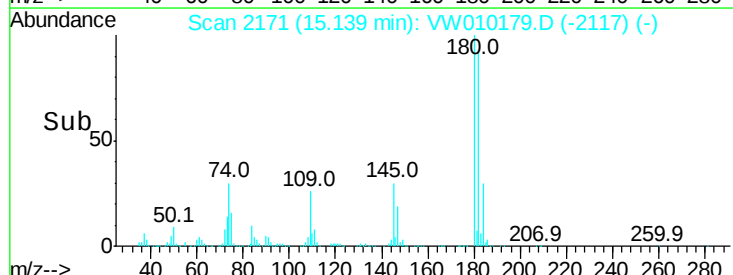


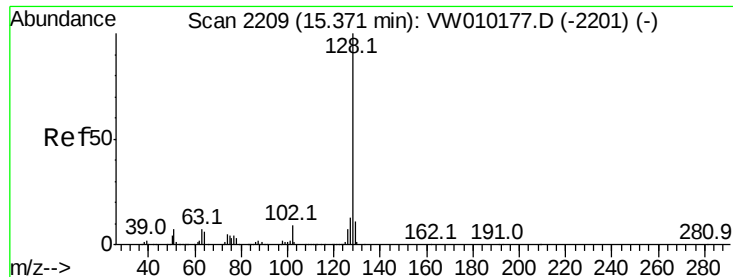
#68
 1,2,4-trichlorobenzene
 Concen: 104.345 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010179.D
 Acq: 29 Apr 2019 12:44

Tgt Ion:180 Resp: 1288890
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.4
 145 30.5 24.5 36.7



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: 104.492 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD10030

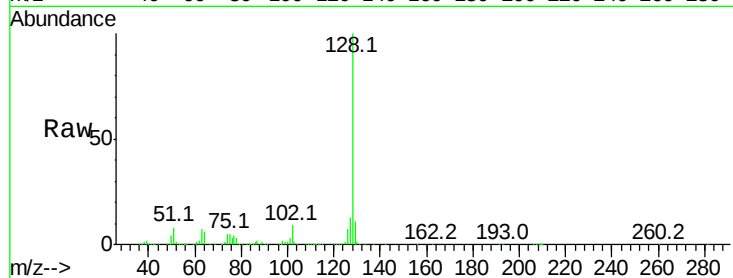
Tgt Ion:128 Resp: 3187606

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

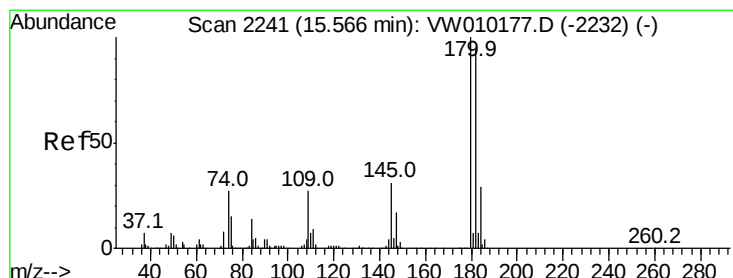
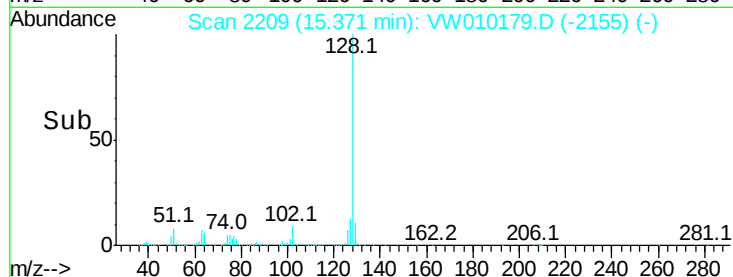
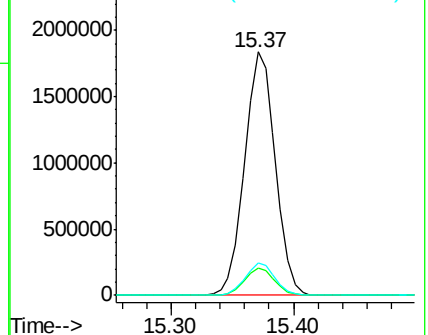
127 13.1 10.6 15.8



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: 109.979 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010179.D

Acq: 29 Apr 2019 12:44

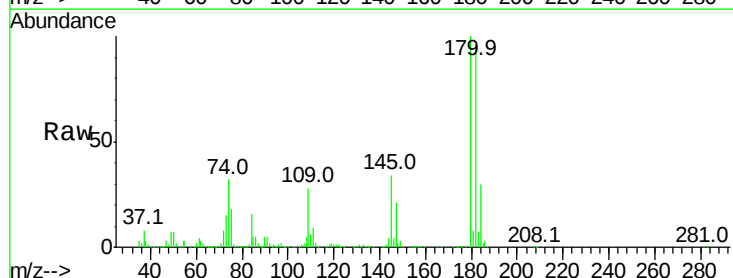
Tgt Ion:180 Resp: 1271973

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 33.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

