

Data File : VW010177.D
Acq On : 29 Apr 2019 11:47
Operator : SY/VA
Sample : VSTD02528
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Quant Time: Apr 29 12:54:23 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	664617	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	616901	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	309802	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	186293	29.32	ug/L	0.00
7) Chloroethane-d5	2.89	69	157556	30.01	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	415288	22.27	ug/L	0.00
20) 2-Butanone-d5	7.08	46	147584	49.19	ug/L	0.00
24) Chloroform-d	7.64	84	440360	24.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	251470	24.30	ug/L	0.00
29) Benzene-d6	8.27	84	851081	24.36	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	263149	24.16	ug/L	0.00
37) Toluene-d8	10.32	98	782888	24.67	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	123017	24.51	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	122318	53.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	227986	25.22	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	293256	25.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	233851	26.155	ug/L	100
3) Chloromethane	2.21	50	177146	25.316	ug/L	100
5) Vinyl chloride	2.37	62	228487	28.903	ug/L	100
6) Bromomethane	2.78	94	128329	26.620	ug/L	100
8) Chloroethane	2.93	64	135005	28.238	ug/L	100
9) Trichlorofluoromethane	3.26	101	123217	28.628	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	186626	22.337	ug/L	100
12) 1,1-Dichloroethene	4.03	96	192995	22.410	ug/L	100
13) Acetone	4.12	43	95945	42.376	ug/L	100
14) Carbon disulfide	4.38	76	562199	22.522	ug/L	100
15) Methyl Acetate	4.67	43	108740	20.299	ug/L	100
16) Methylene chloride	4.91	84	216441	23.235	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	248159	21.830	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	201976	22.080	ug/L	100
19) 1,1-Dichloroethane	6.21	63	375618	21.696	ug/L	100
21) 2-Butanone	7.17	43	145621	41.478	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	220945	22.558	ug/L	100
23) Bromochloromethane	7.51	128	100188	23.290	ug/L	100
25) Chloroform	7.67	83	382722	22.392	ug/L	100
27) 1,2-Dichloroethane	8.40	62	272636	21.645	ug/L	100
30) Cyclohexane	7.95	56	349811	21.846	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	309559	23.332	ug/L	100
32) Carbon tetrachloride	8.07	117	303562	23.110	ug/L	100
34) Benzene	8.32	78	830562	22.134	ug/L	100
35) Trichloroethene	9.09	95	217765	22.005	ug/L	100
36) Methylcyclohexane	9.34	83	378437	22.818	ug/L	100
40) 1,2-Dichloropropane	9.37	63	214657	22.167	ug/L	100
41) Bromodichloromethane	9.64	83	279784	22.359	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	339364	22.534	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	312460	41.880	ug/L	100

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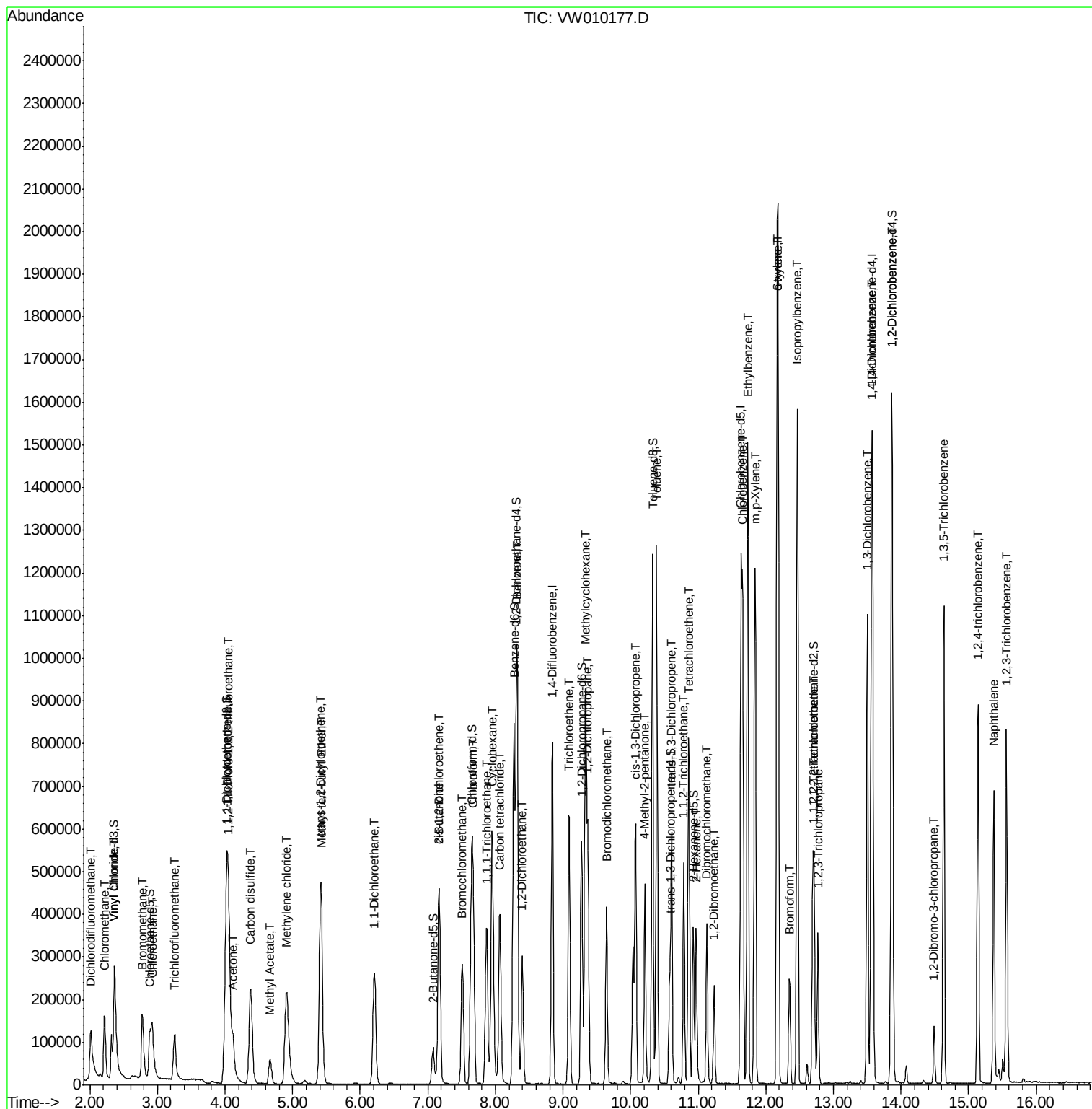
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	909008	22.884	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	296412	22.809	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	159807	22.747	ug/L	100
47) Tetrachloroethene	10.86	164	183583	24.311	ug/L	100
49) 2-Hexanone	10.97	43	229193	43.463	ug/L	100
50) Dibromochloromethane	11.13	129	197939	23.513	ug/L	100
51) 1,2-Dibromoethane	11.24	107	156563	22.426	ug/L	100
52) Chlorobenzene	11.66	112	574978	22.877	ug/L	100
53) Ethylbenzene	11.73	91	1029516	23.092	ug/L	100
54) m,p-Xylene	11.84	106	390244	23.664	ug/L	100
55) o-xylene	12.16	106	366450	23.434	ug/L	100
56) Styrene	12.18	104	645491	24.271	ug/L	100
57) Isopropylbenzene	12.46	105	1010223	23.743	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	197018	22.141	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	147621	21.922	ug/L	100
62) Bromoform	12.35	173	116875	22.706	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	448540	22.755	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	466497	22.806	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	421697	23.130	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	34275	20.225	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	350616	24.256	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	283181	24.079	ug/L	100
69) Naphthalene	15.37	128	567744	19.548	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	279800	25.410	ug/L	100

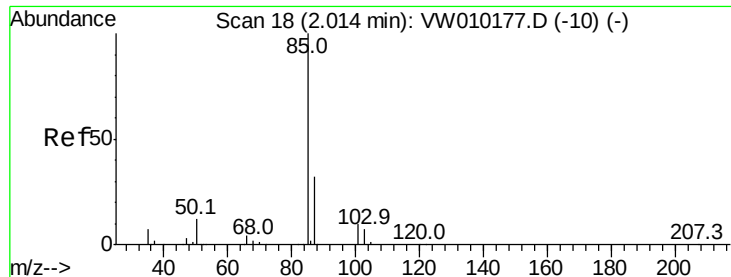
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.155 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

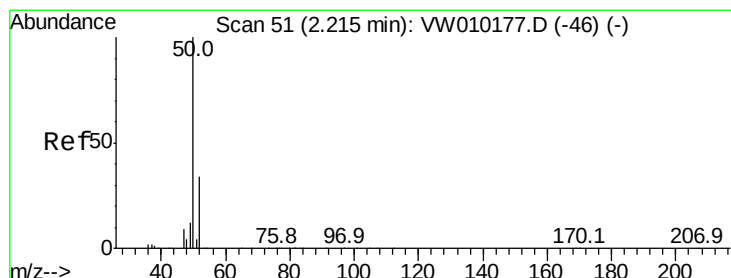
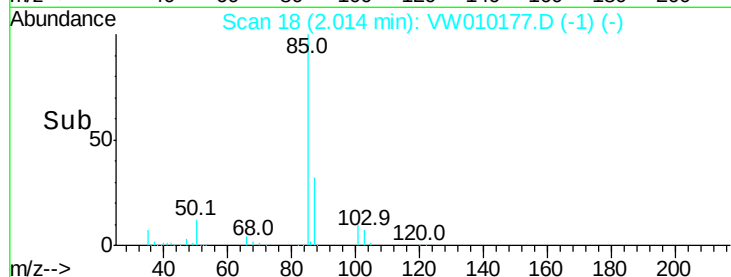
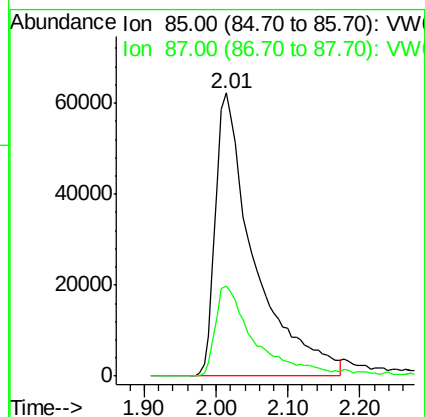
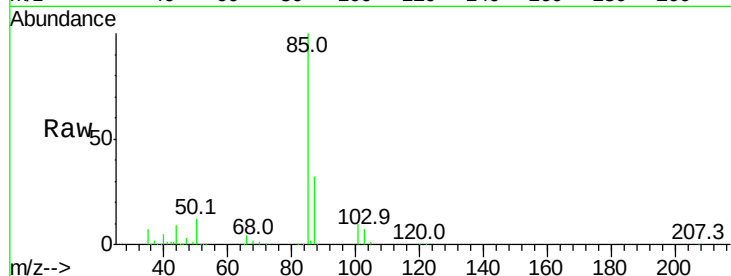
VSTD02528

Tgt Ion: 85 Resp: 233851

Ion Ratio Lower Upper

85 100

87 29.4 20.6 38.2



#3

Chloromethane

Concen: 25.316 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010177.D

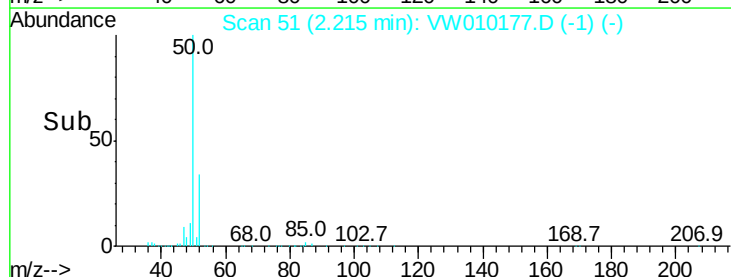
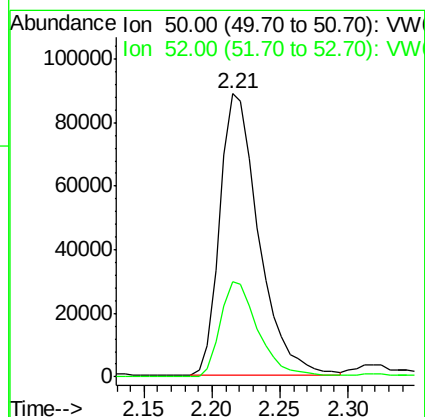
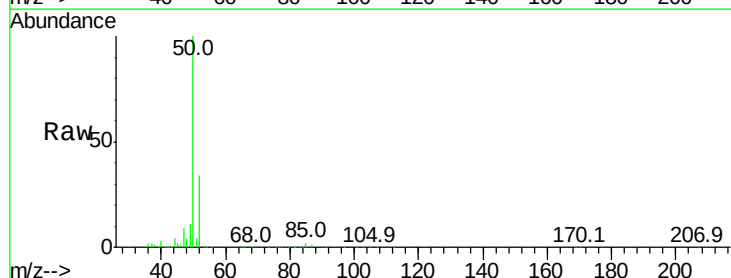
Acq: 29 Apr 2019 11:47

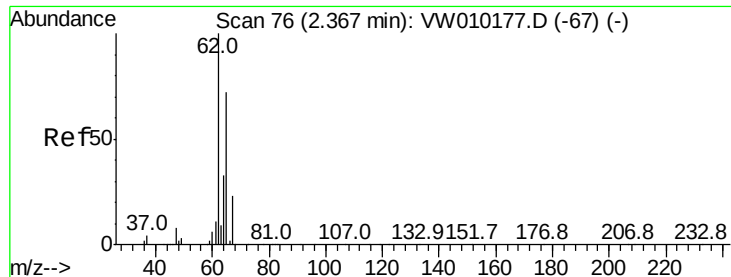
Tgt Ion: 50 Resp: 177146

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8





#5

Vinyl chloride

Concen: 28.903 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

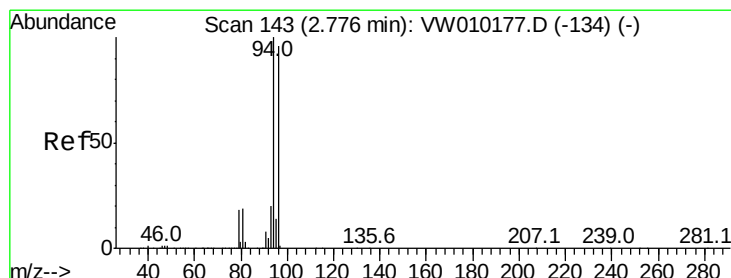
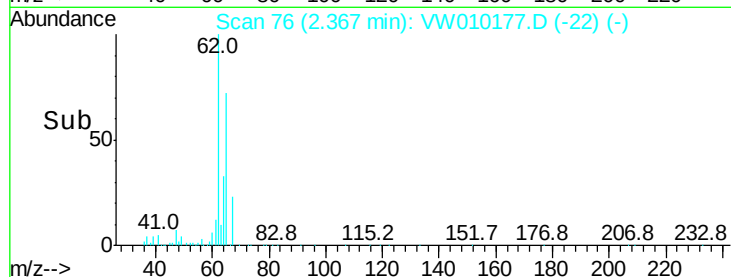
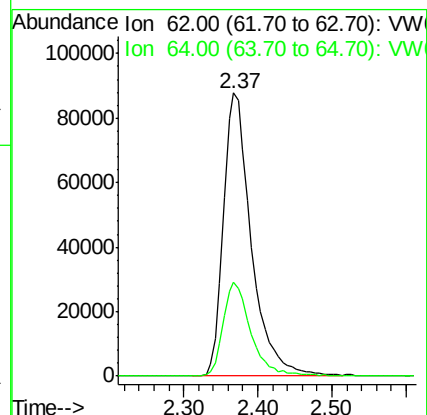
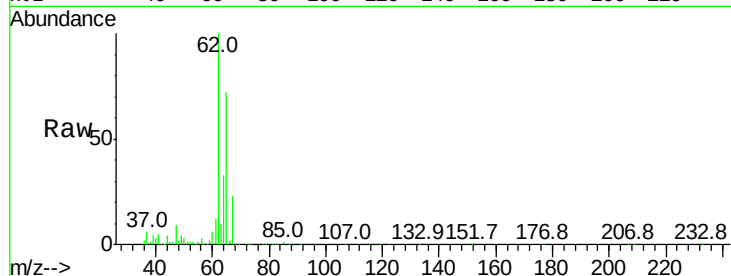
VSTD02528

Tgt Ion: 62 Resp: 228487

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 26.620 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010177.D

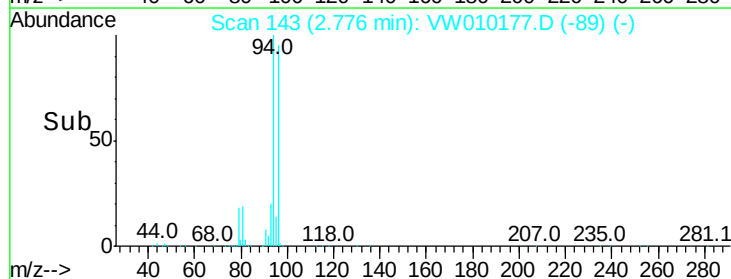
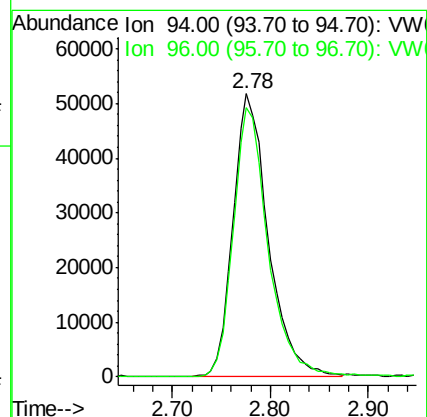
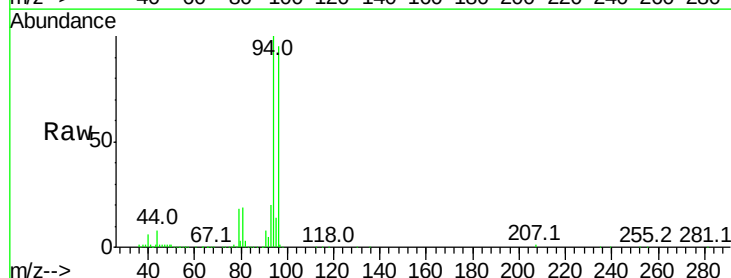
Acq: 29 Apr 2019 11:47

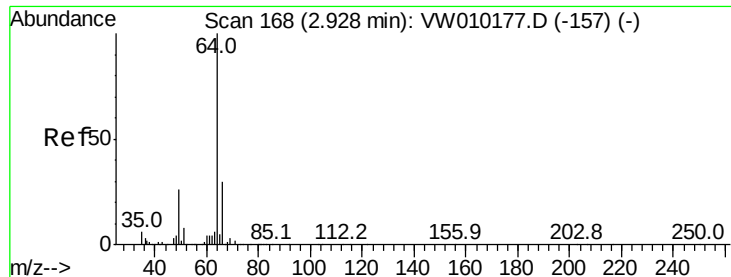
Tgt Ion: 94 Resp: 128329

Ion Ratio Lower Upper

94 100

96 94.9 9.5 180.3





#8

Chloroethane

Concen: 28.238 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

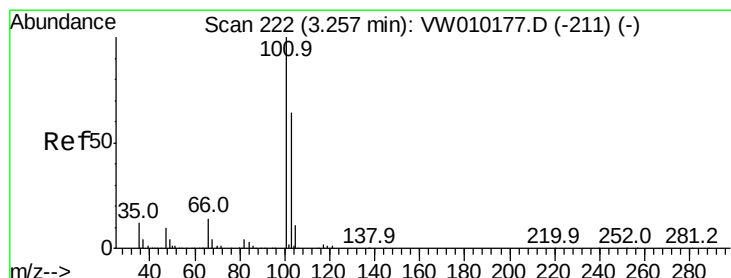
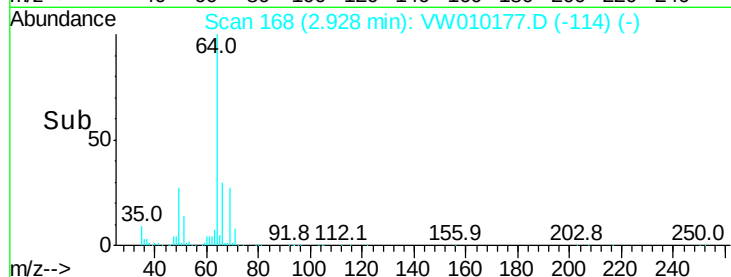
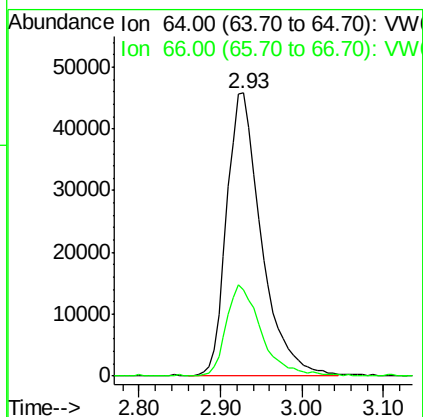
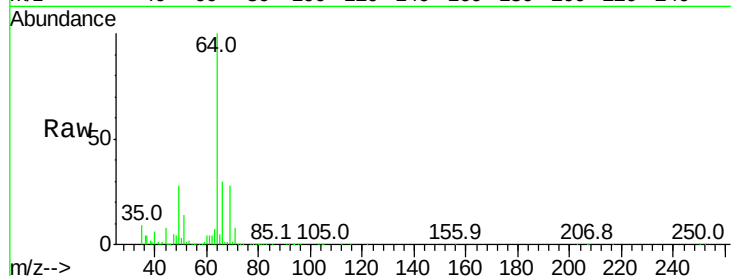
VSTD02528

Tgt Ion: 64 Resp: 135005

Ion Ratio Lower Upper

64 100

66 30.4 21.3 39.5



#9

Trichlorofluoromethane

Concen: 28.628 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW010177.D

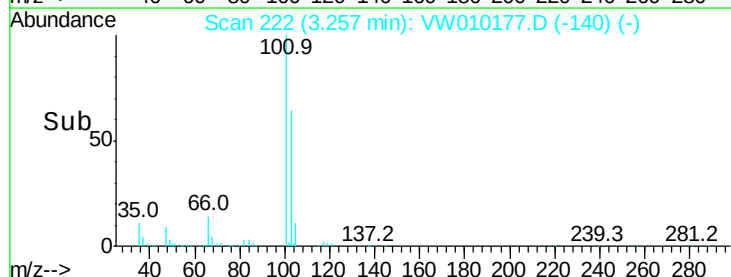
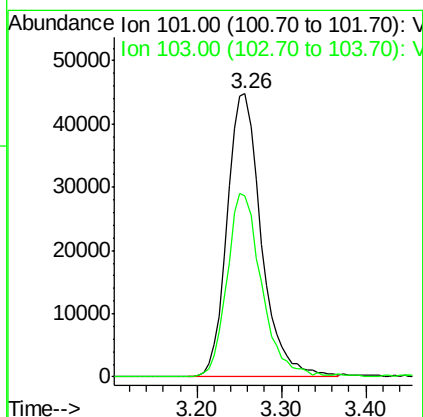
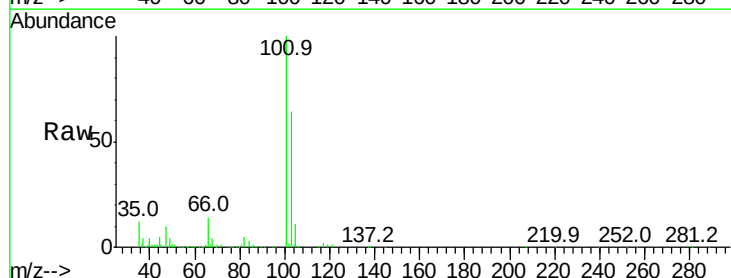
Acq: 29 Apr 2019 11:47

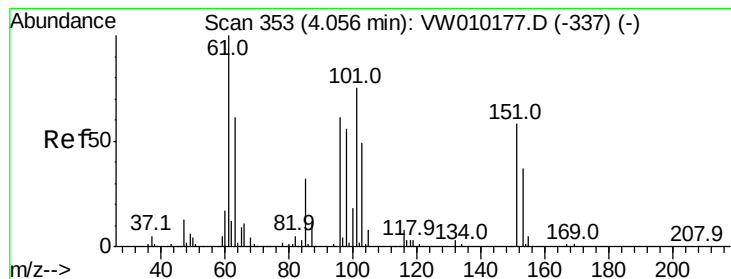
Tgt Ion: 101 Resp: 123217

Ion Ratio Lower Upper

101 100

103 65.0 45.5 84.5





#11

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

Concen: 22.337 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

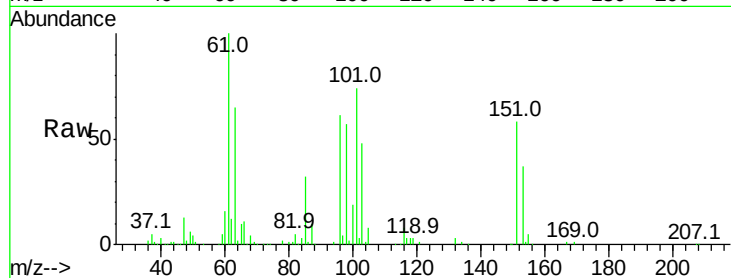
Tgt Ion:101 Resp: 186626

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.6

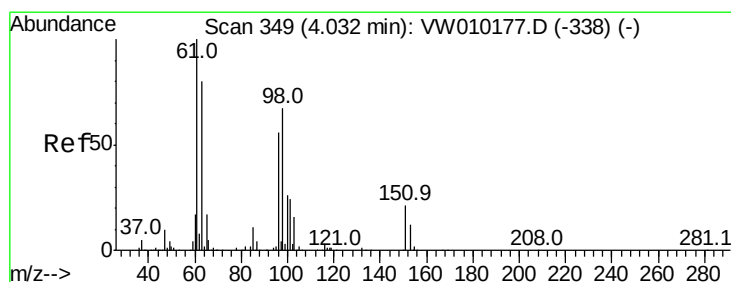
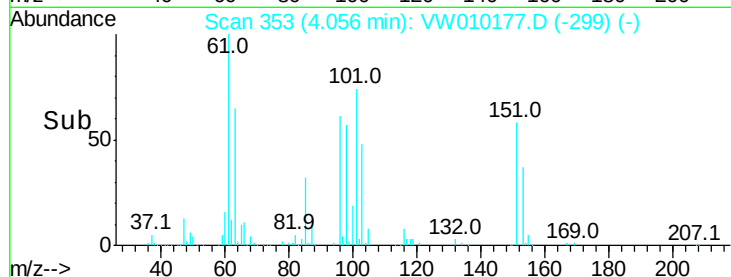
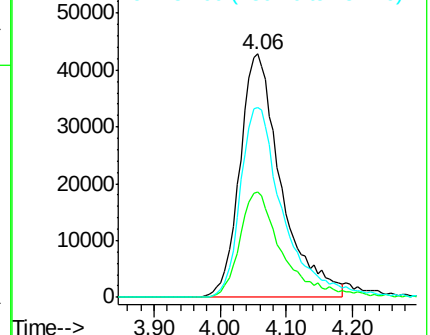
151 78.2 62.6 93.8



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: 22.410 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

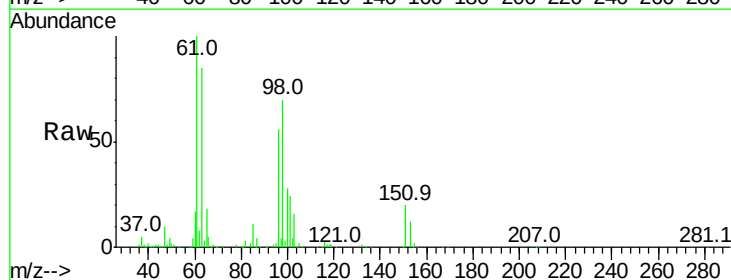
Tgt Ion: 96 Resp: 192995

Ion Ratio Lower Upper

96 100

61 178.9 125.2 232.6

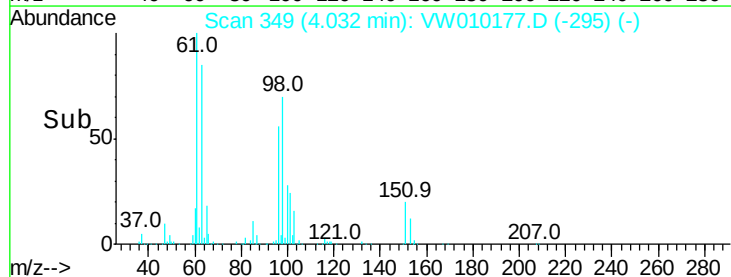
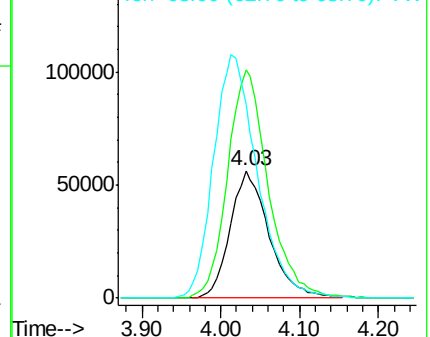
63 151.8 106.3 197.3

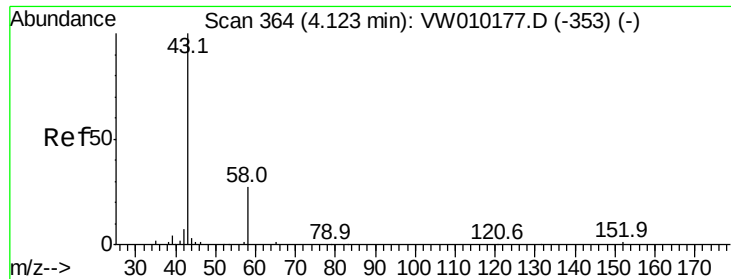


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.376 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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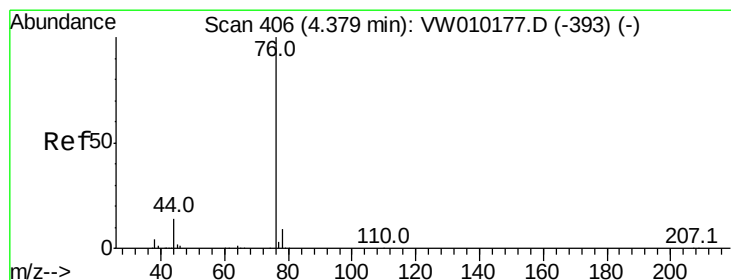
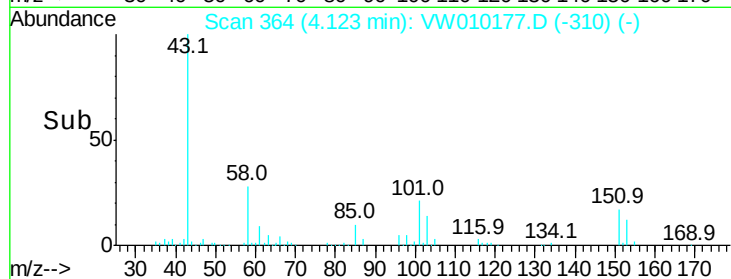
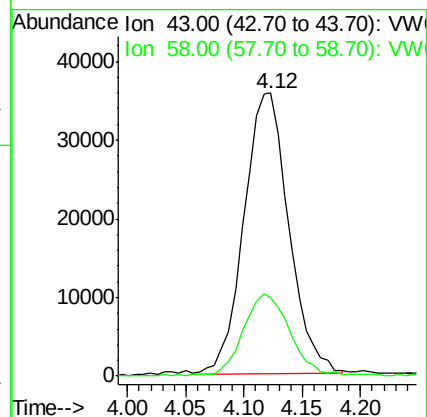
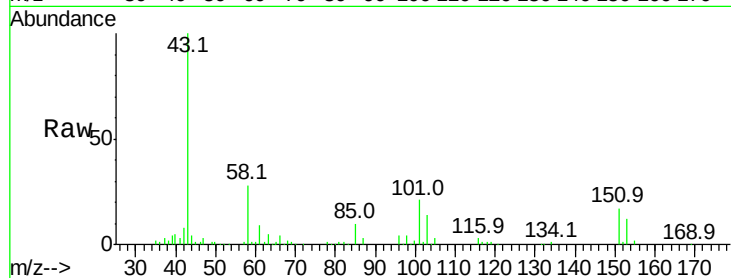
VSTD02528

Tgt Ion: 43 Resp: 95945

Ion Ratio Lower Upper

43 100

58 30.0 0.0 59.8



#14

Carbon disulfide

Concen: 22.522 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010177.D

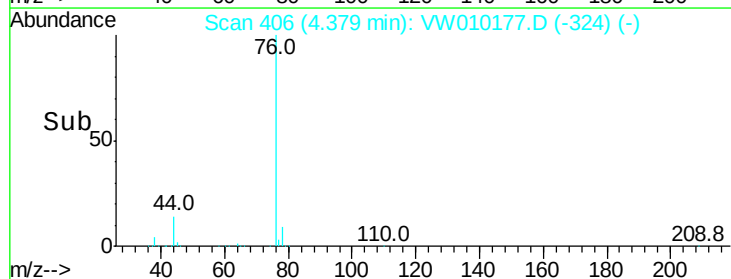
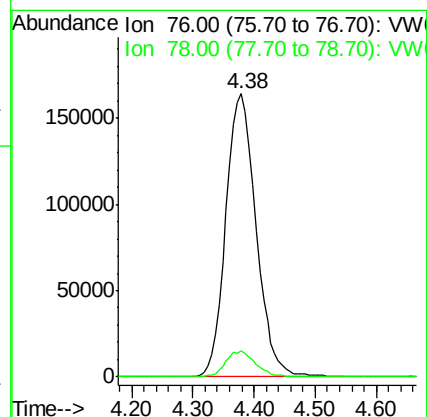
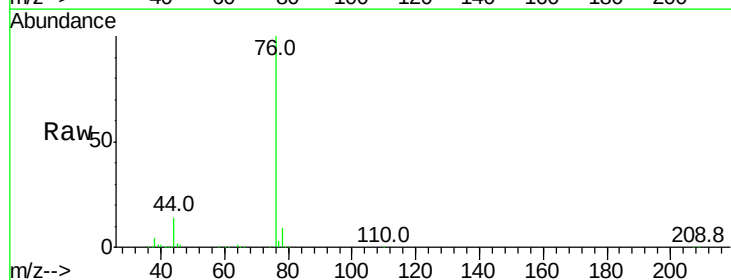
Acq: 29 Apr 2019 11:47

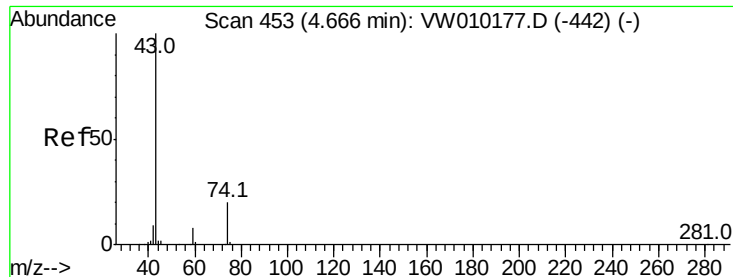
Tgt Ion: 76 Resp: 562199

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 20.299 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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ClientSampleId :

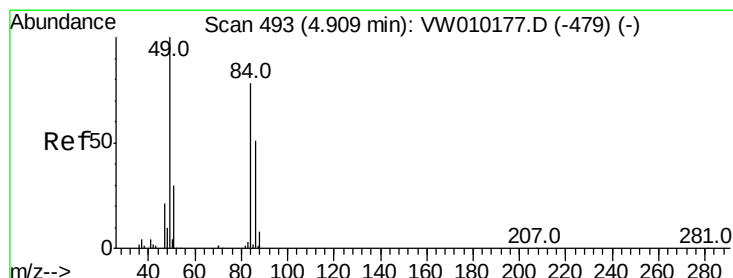
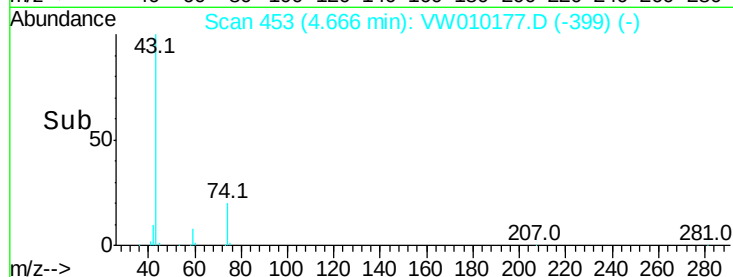
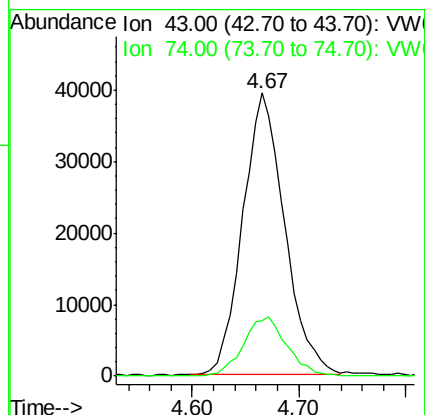
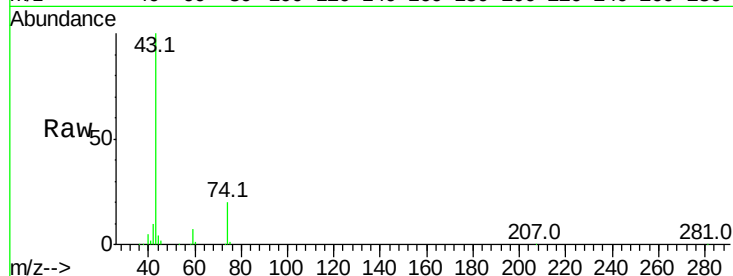
VSTD02528

Tgt Ion: 43 Resp: 108740

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3



#16

Methylene chloride

Concen: 23.235 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

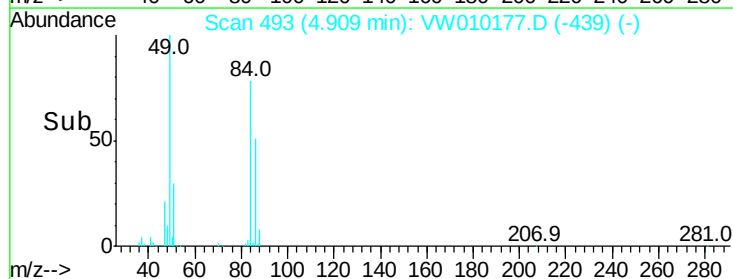
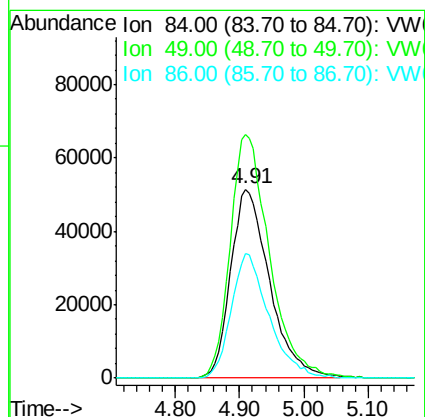
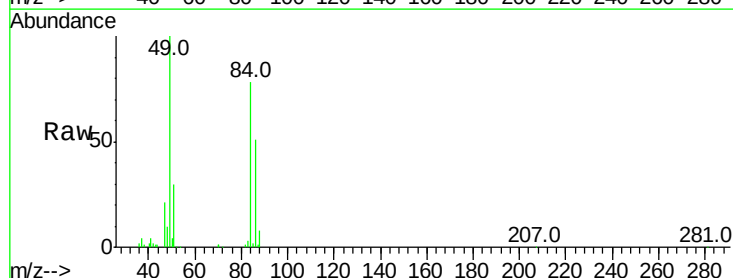
Tgt Ion: 84 Resp: 216441

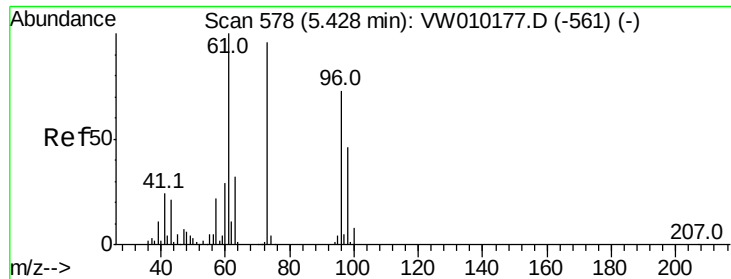
Ion Ratio Lower Upper

84 100

49 128.9 90.2 167.6

86 66.2 46.3 86.1

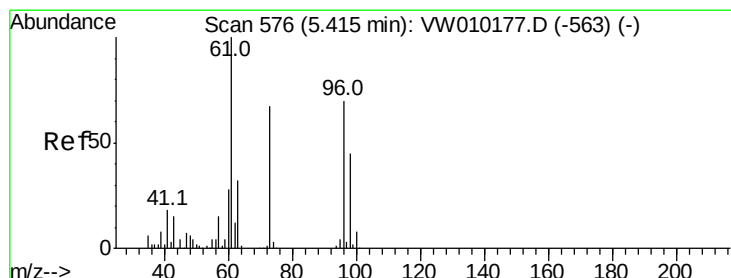
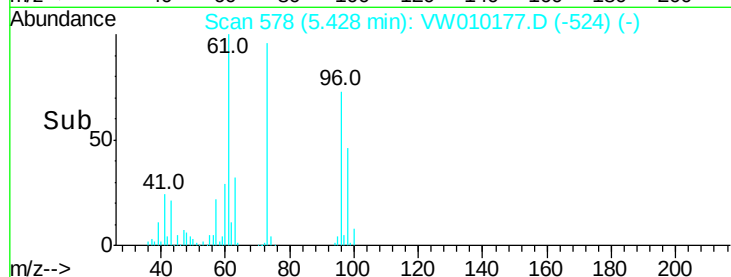
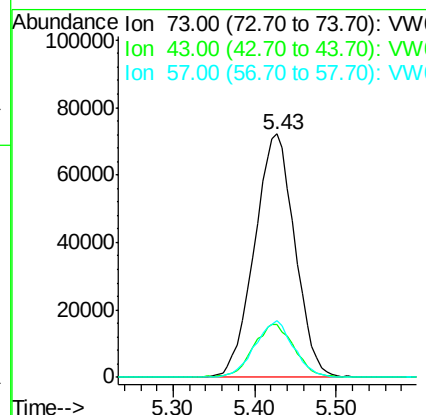
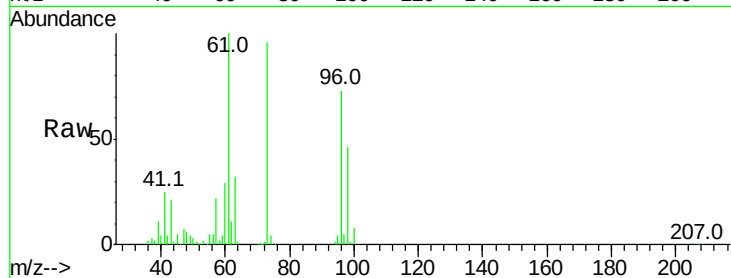




#17
Methyl tert-butyl Ether
Concen: 21.830 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

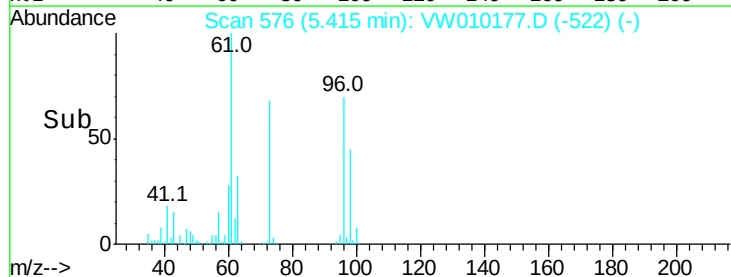
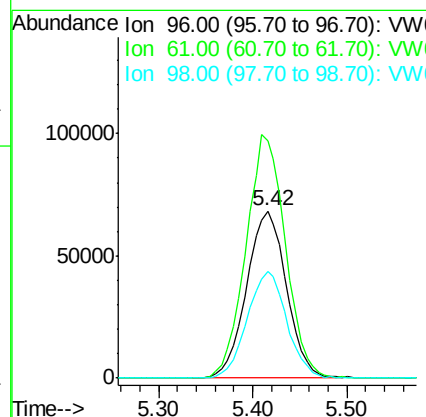
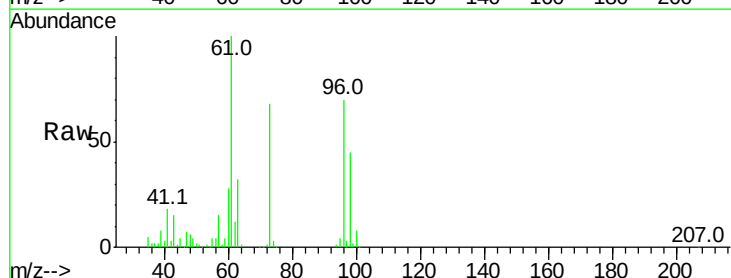
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

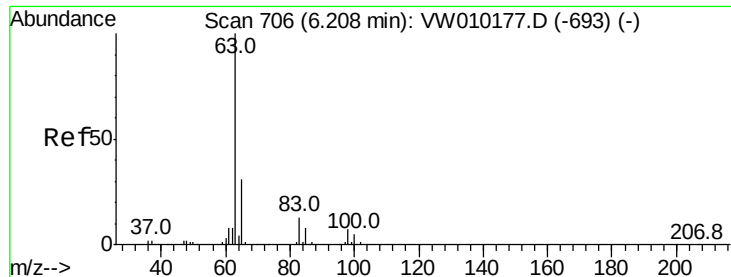
Tgt Ion: 73 Resp: 248159
Ion Ratio Lower Upper
73 100
43 21.9 17.5 26.3
57 22.2 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 22.080 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 96 Resp: 201976
Ion Ratio Lower Upper
96 100
61 142.0 99.4 184.6
98 64.0 44.8 83.2

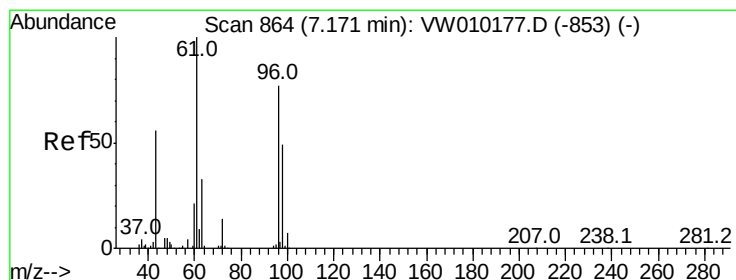
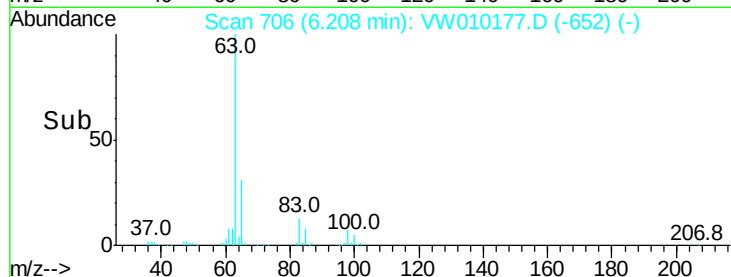
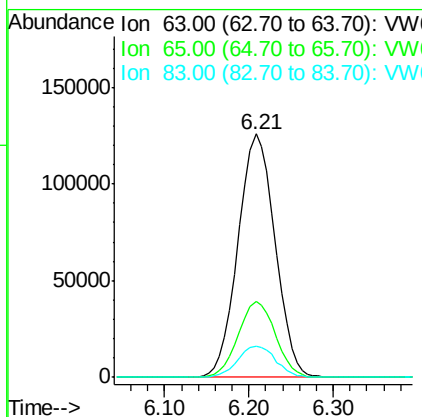
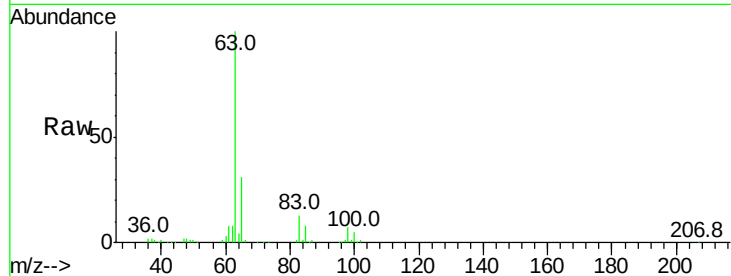




#19
 1,1-Dichloroethane
 Concen: 21.696 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

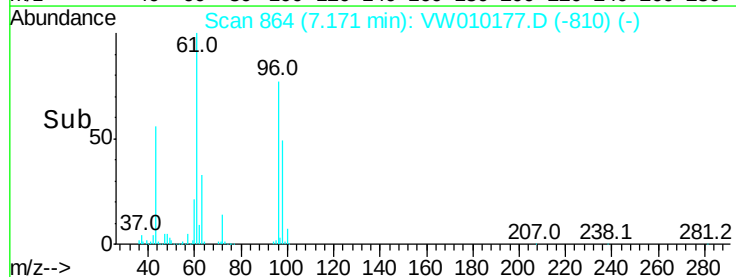
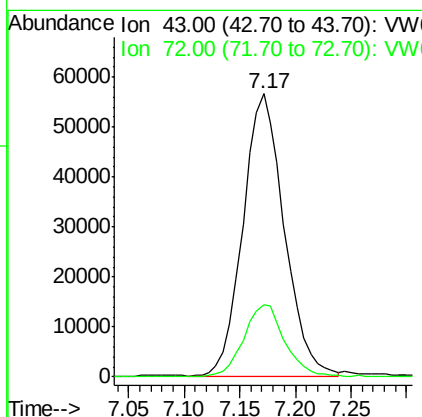
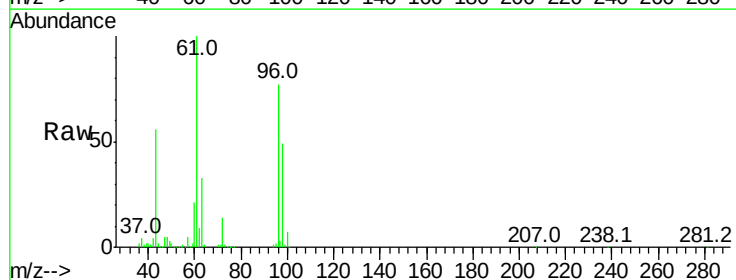
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

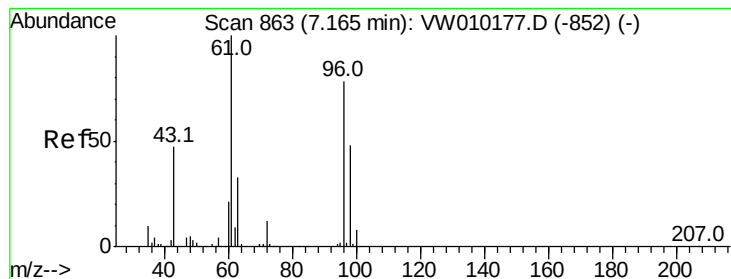
Tgt Ion: 63 Resp: 375618
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 40.8
 83 12.6 8.8 16.4



#21
 2-Butanone
 Concen: 41.478 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

Tgt Ion: 43 Resp: 145621
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.8 38.3



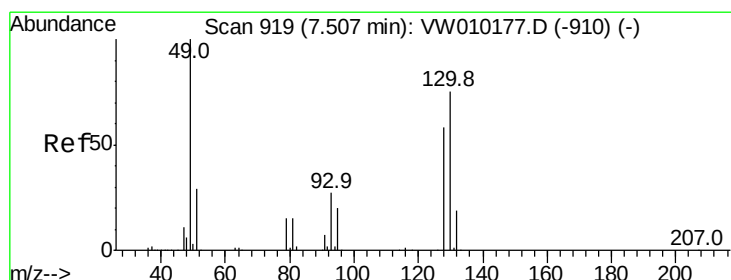
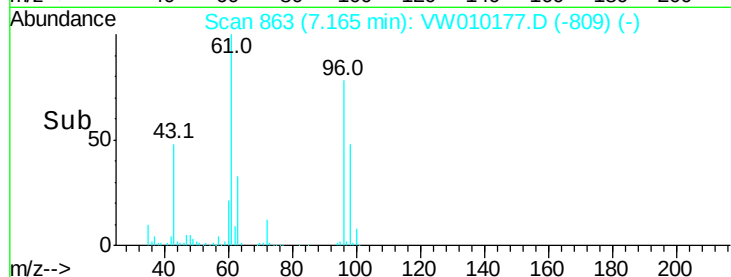
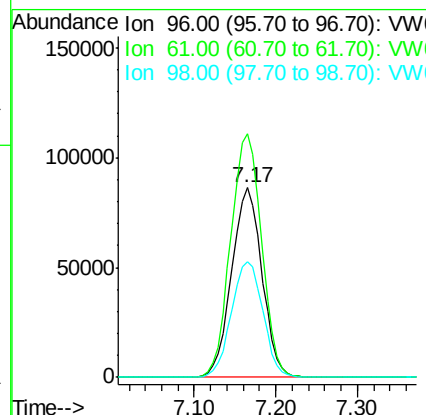
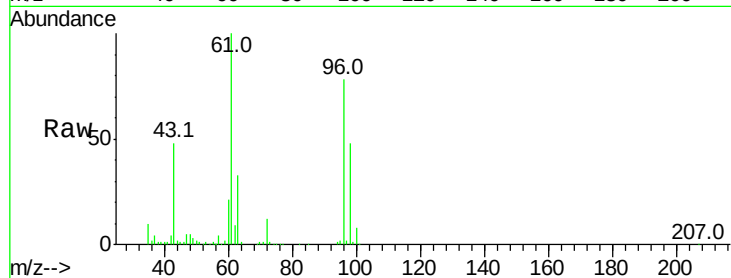


#22

cis-1,2-Dichloroethene
Concen: 22.558 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

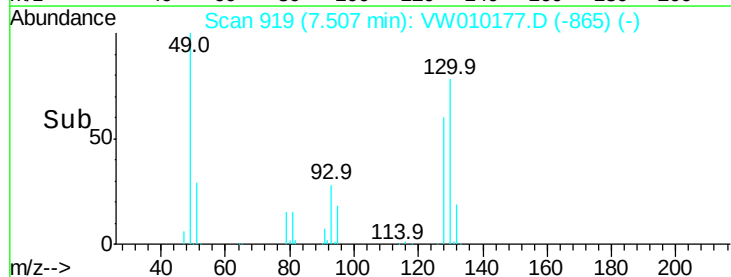
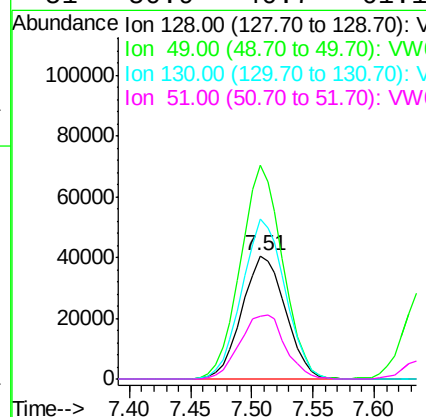
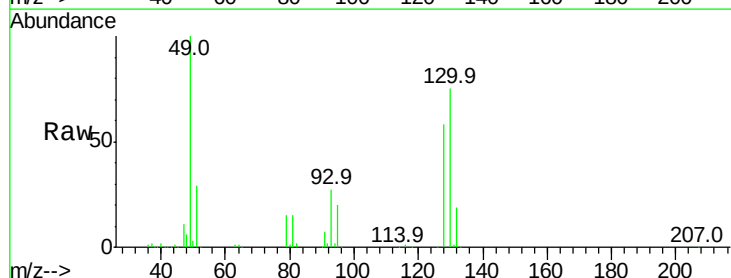
Tgt Ion: 96 Resp: 220945
Ion Ratio Lower Upper
96 100
61 128.6 90.0 167.2
98 61.2 42.8 79.6

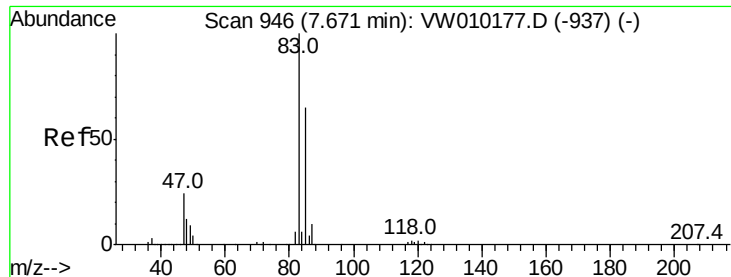


#23

Bromochloromethane
Concen: 23.290 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 128 Resp: 100188
Ion Ratio Lower Upper
128 100
49 173.8 121.7 225.9
130 130.1 91.1 169.1
51 50.9 40.7 61.1





#25

Chloroform

Concen: 22.392 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

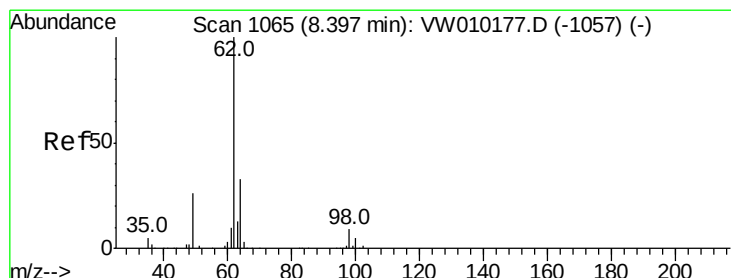
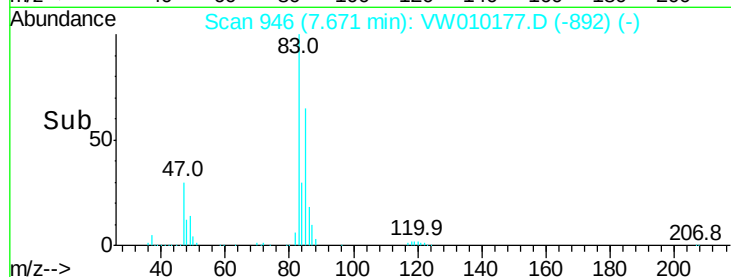
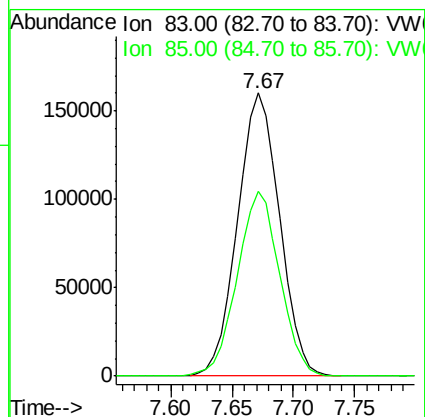
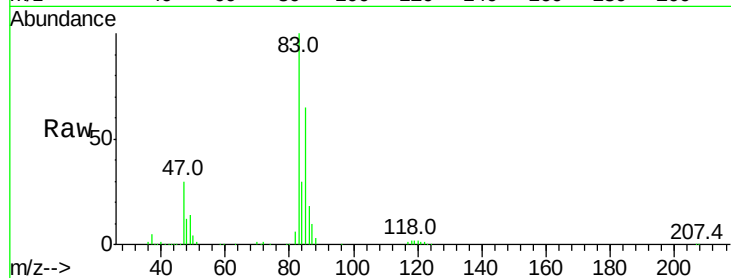
VSTD02528

Tgt Ion: 83 Resp: 382722

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 21.645 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010177.D

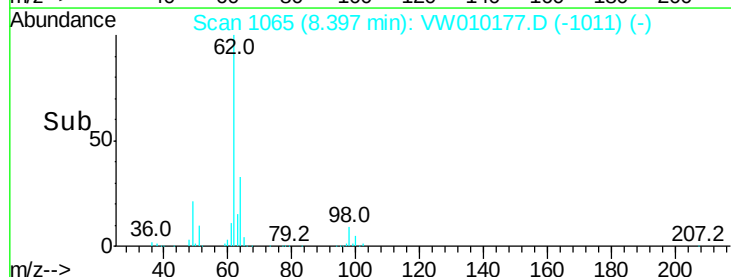
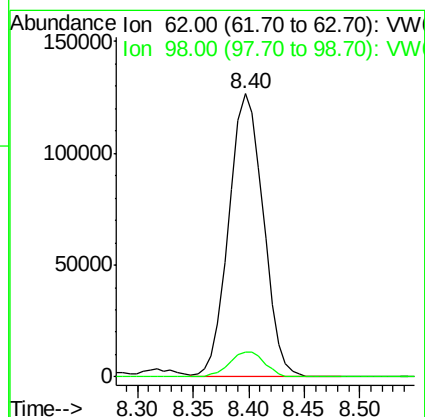
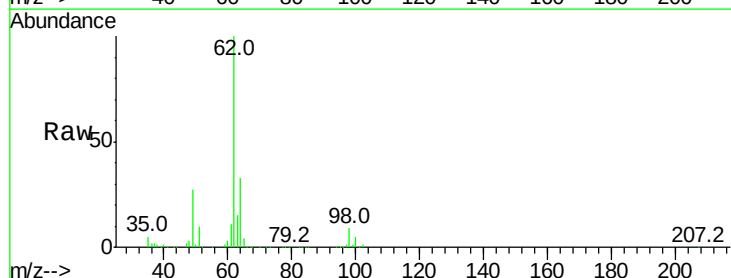
Acq: 29 Apr 2019 11:47

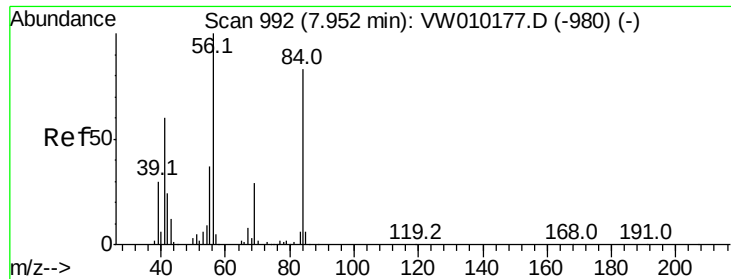
Tgt Ion: 62 Resp: 272636

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6

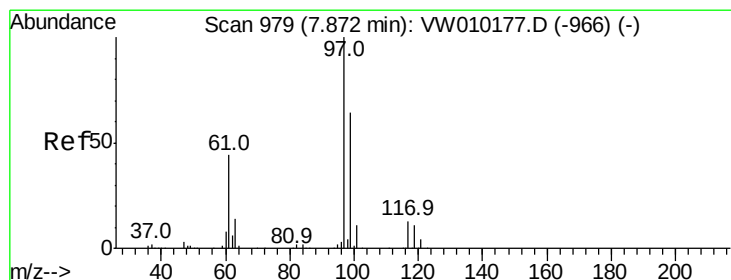
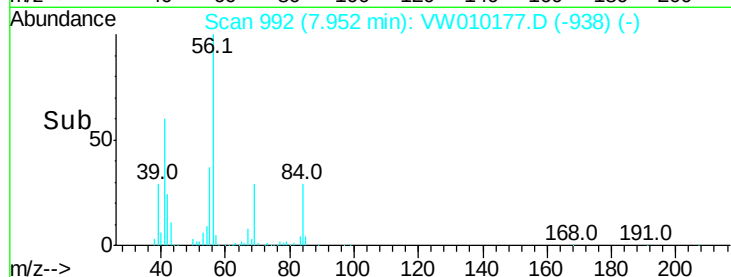
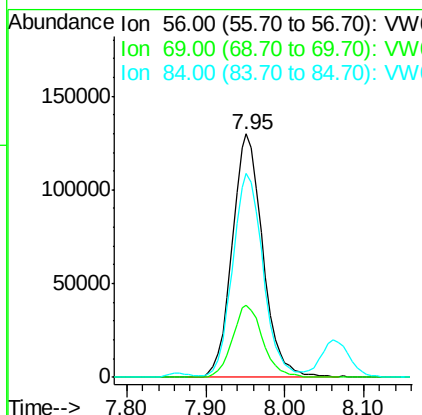
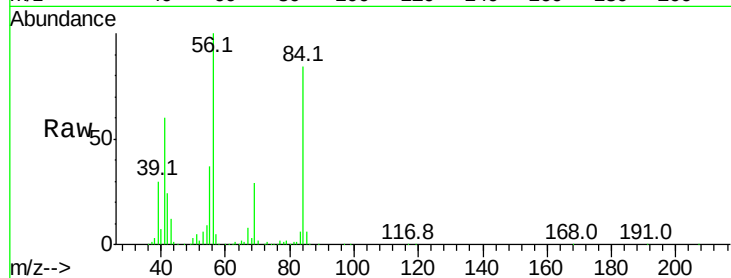




#30
Cyclohexane
Concen: 21.846 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

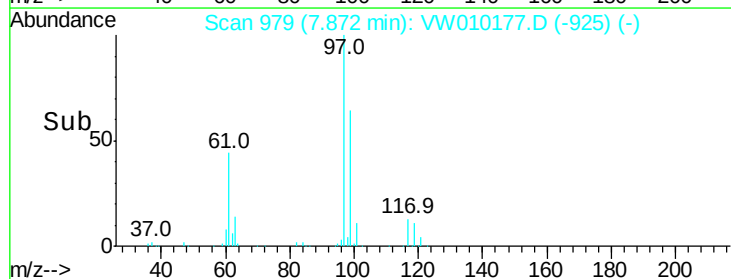
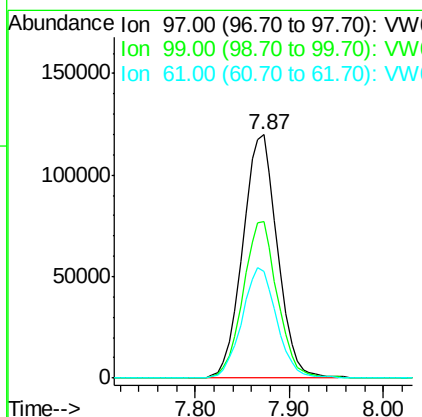
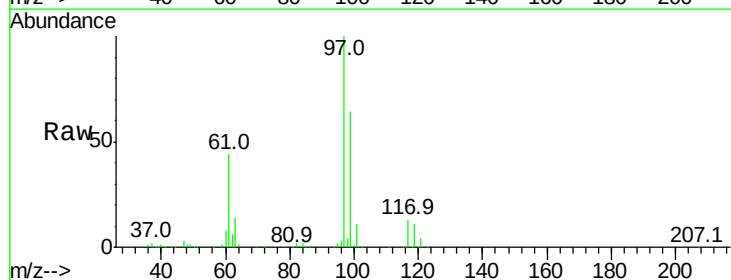
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

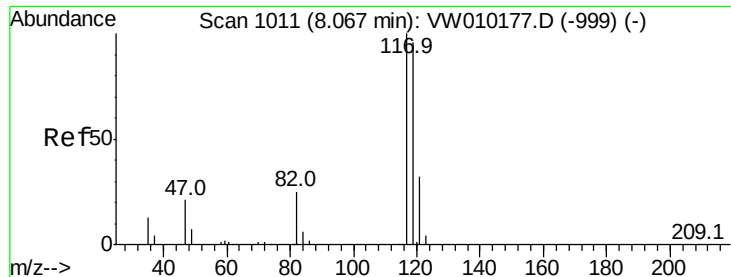
Tgt Ion: 56 Resp: 349811
Ion Ratio Lower Upper
56 100
69 29.3 23.4 35.2
84 83.8 67.0 100.6



#31
1,1,1-Trichloroethane
Concen: 23.332 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 97 Resp: 309559
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 45.3 36.2 54.4





#32

Carbon tetrachloride

Concen: 23.110 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

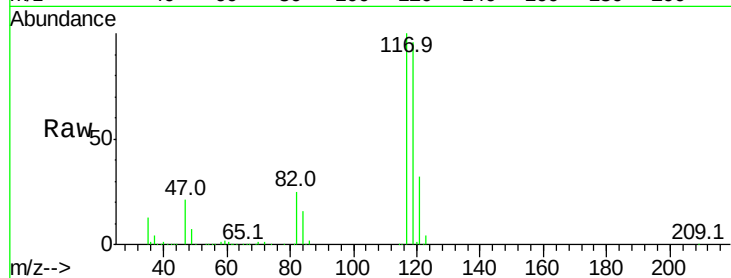
VSTD02528

Tgt Ion:117 Resp: 303562

Ion Ratio Lower Upper

117 100

119 96.4 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

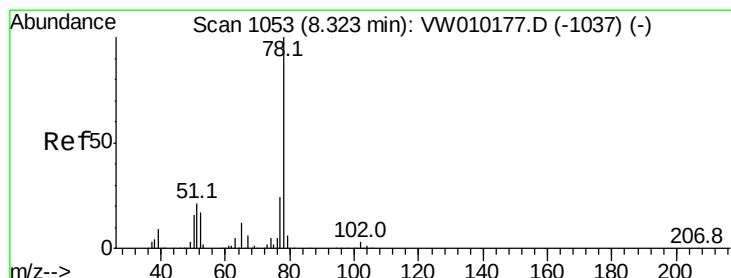
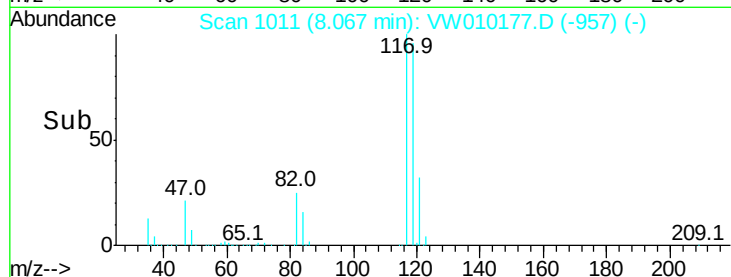
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 22.134 ug/L

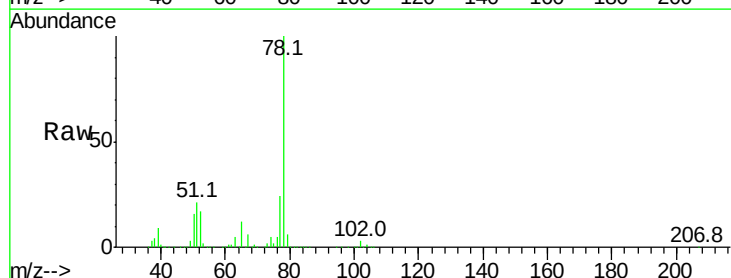
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Tgt Ion: 78 Resp: 830562



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

300000

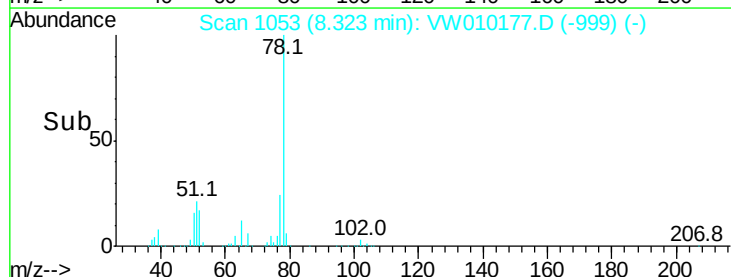
200000

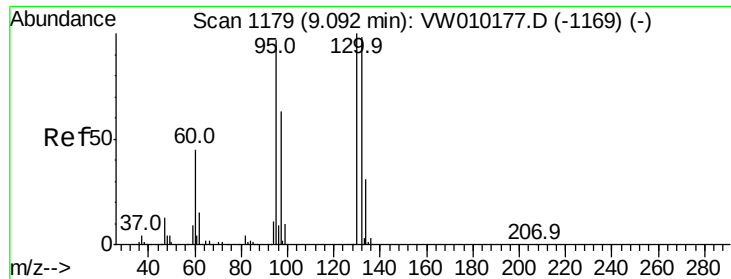
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 22.005 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 95 Resp: 217765

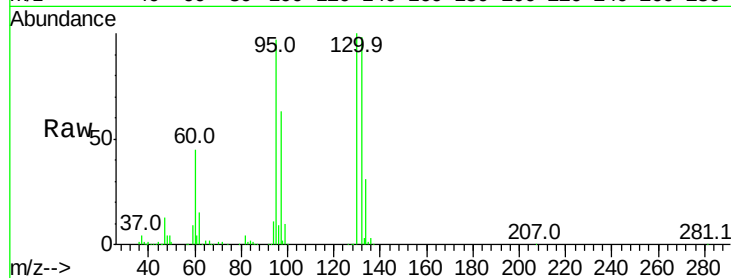
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 98.9 69.2 128.6

130 103.2 72.2 134.2

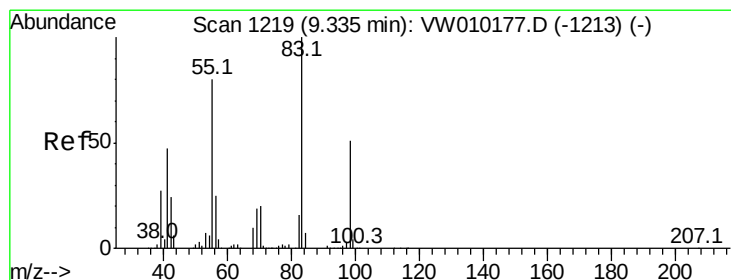
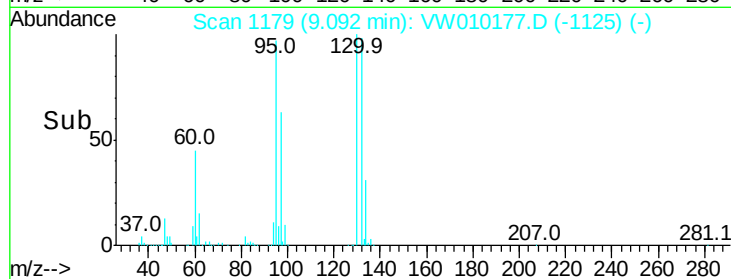
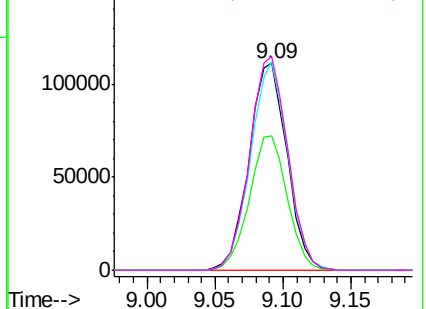


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.818 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

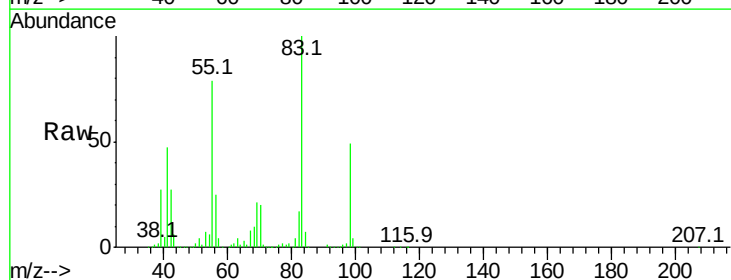
Tgt Ion: 83 Resp: 378437

Ion Ratio Lower Upper

83 100

55 80.6 64.5 96.7

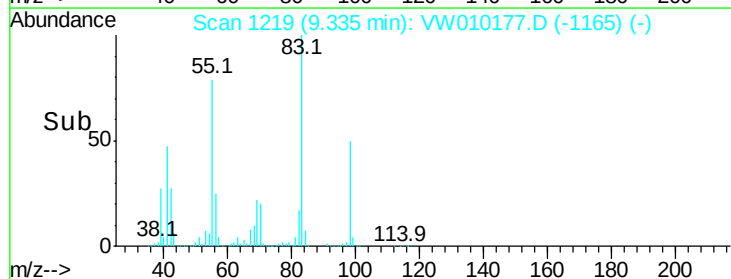
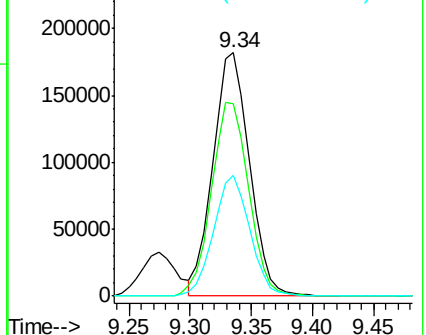
98 49.3 39.4 59.2

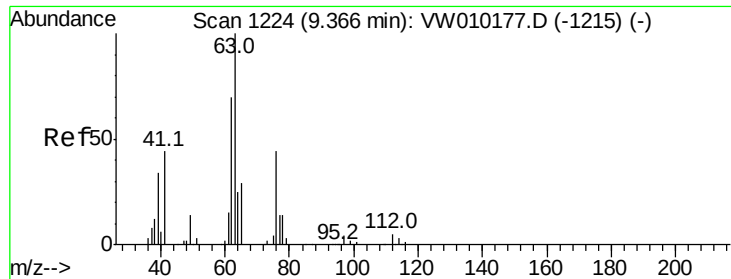


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

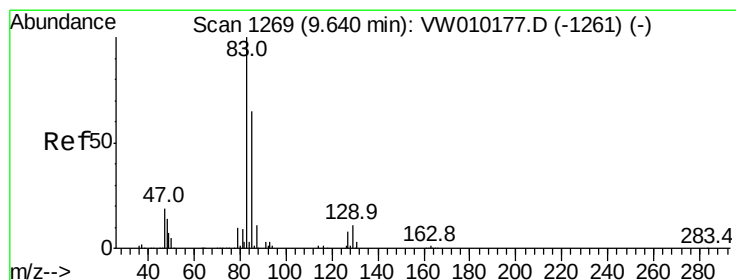
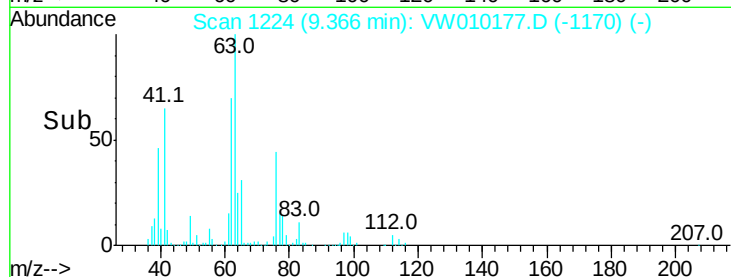
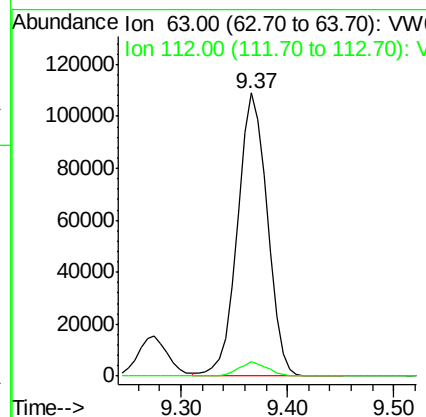
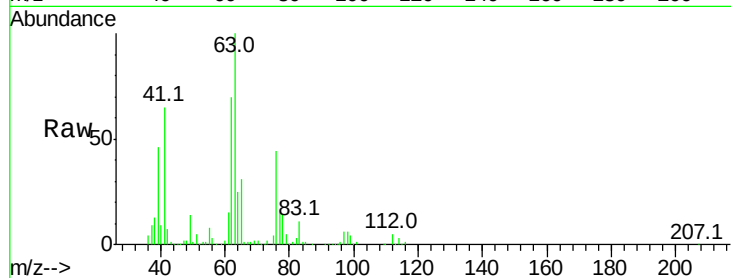




#40
 1,2-Dichloropropane
 Concen: 22.167 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

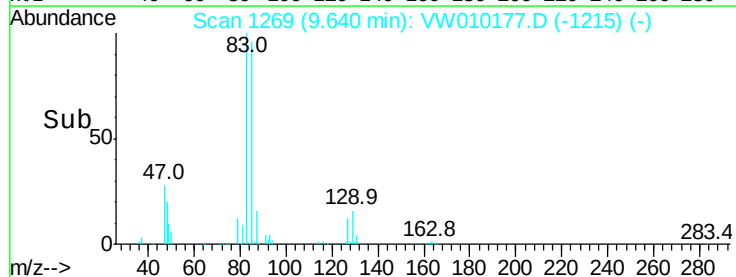
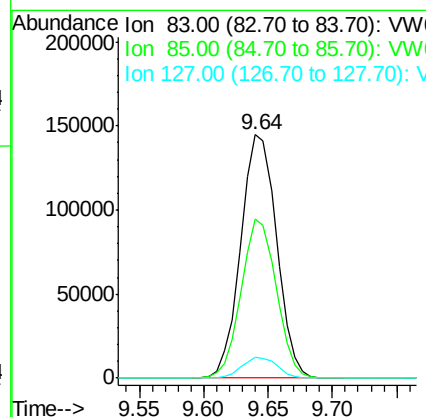
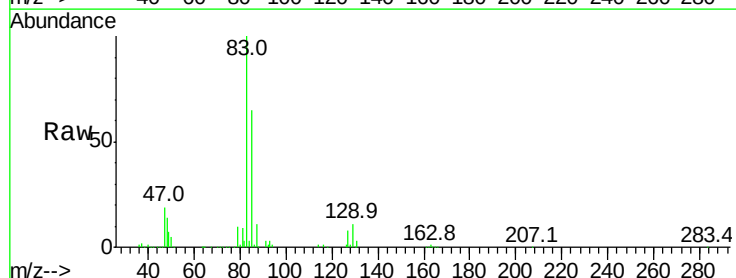
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

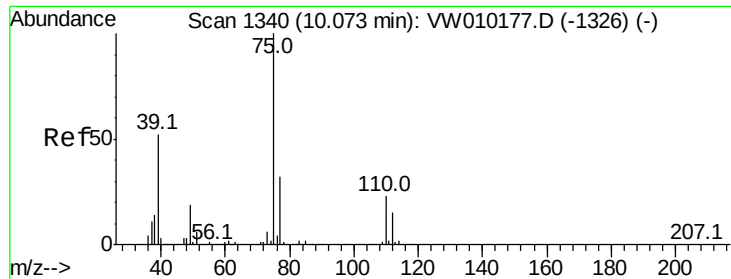
Tgt Ion: 63 Resp: 214657
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 22.359 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

Tgt Ion: 83 Resp: 279784
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.8 85.0
 127 8.3 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 22.534 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

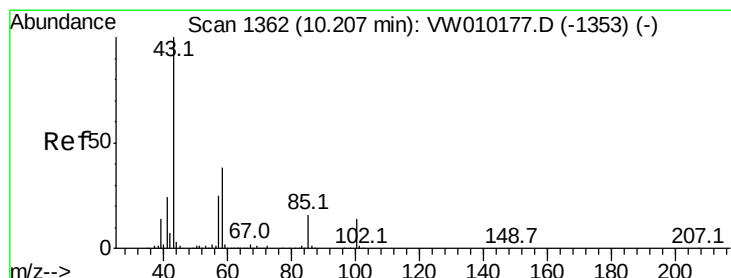
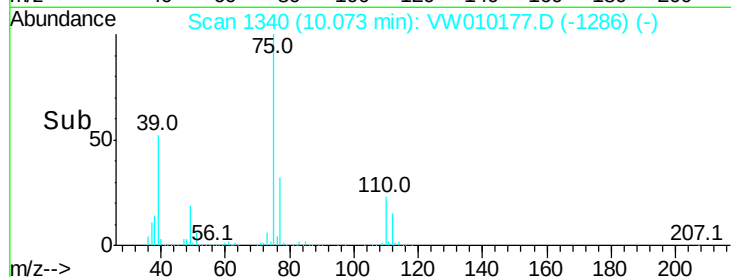
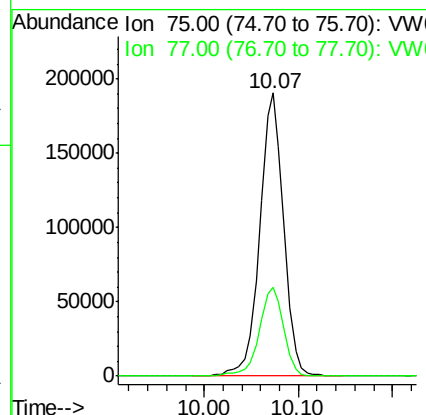
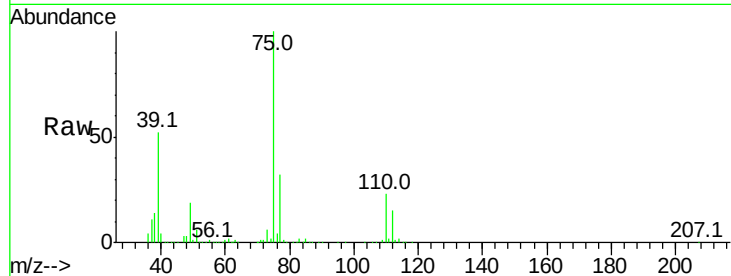
VSTD02528

Tgt Ion: 75 Resp: 339364

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 41.880 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

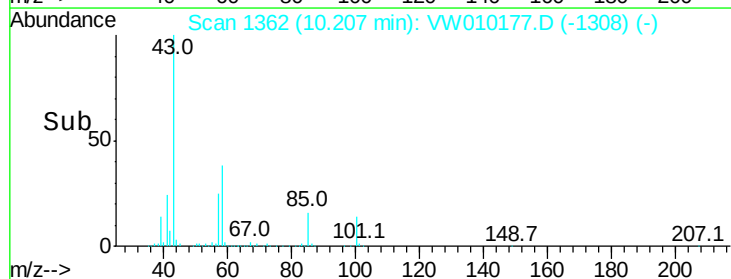
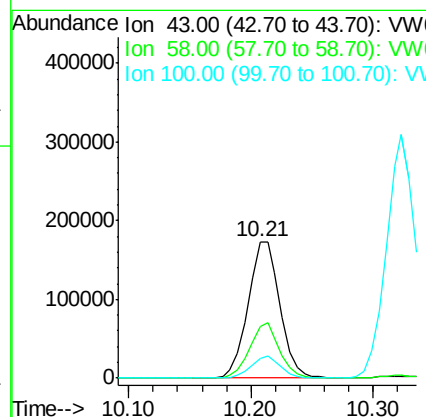
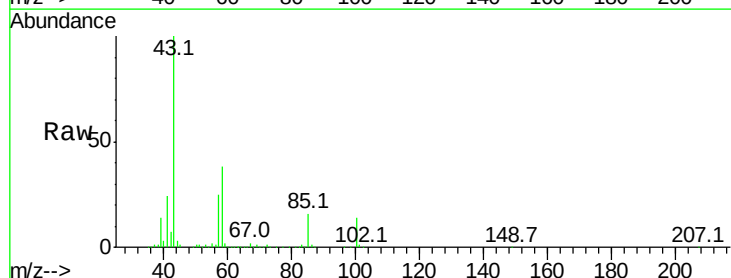
Tgt Ion: 43 Resp: 312460

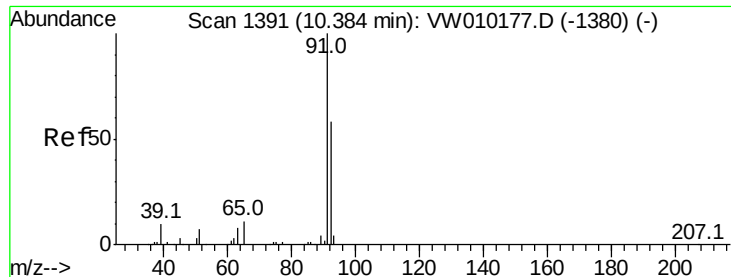
Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5

100 14.9 11.9 17.9





#44

Toluene

Concen: 22.884 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

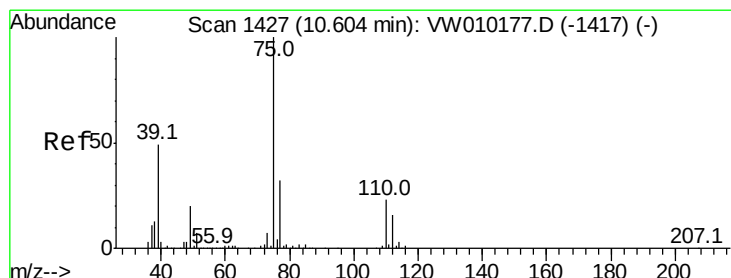
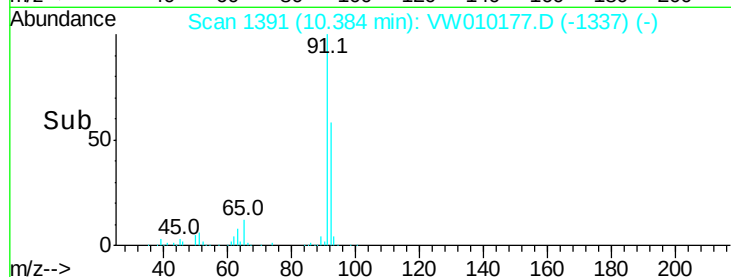
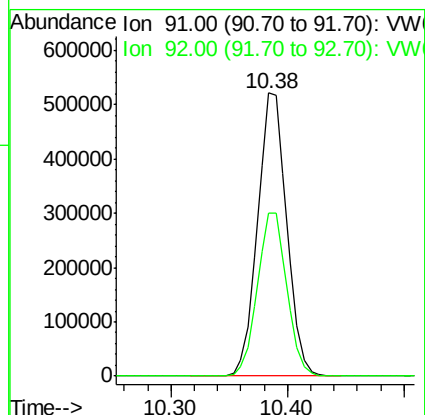
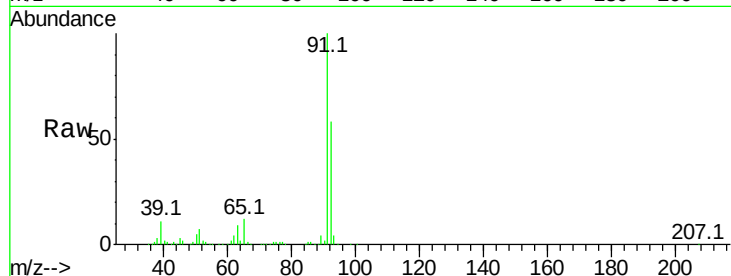
VSTD02528

Tgt Ion: 91 Resp: 909008

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 22.809 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010177.D

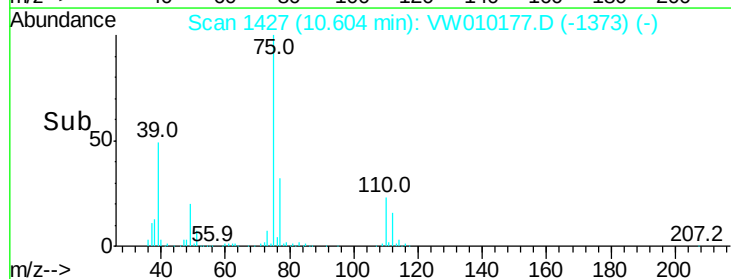
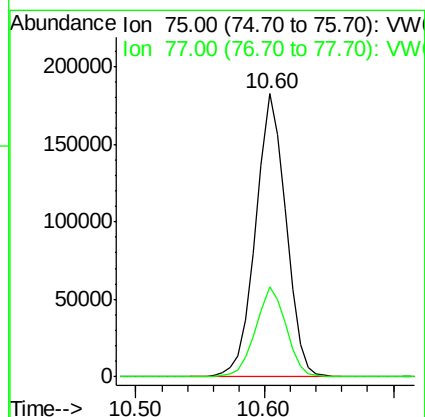
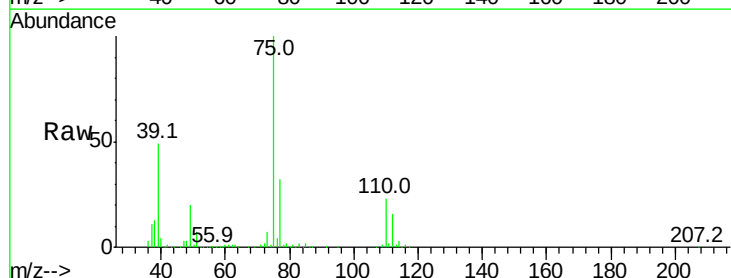
Acq: 29 Apr 2019 11:47

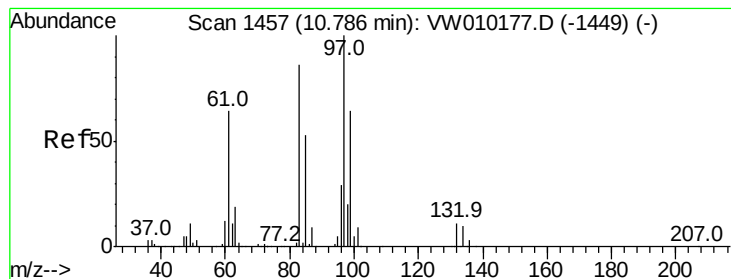
Tgt Ion: 75 Resp: 296412

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 22.747 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 97 Resp: 159807

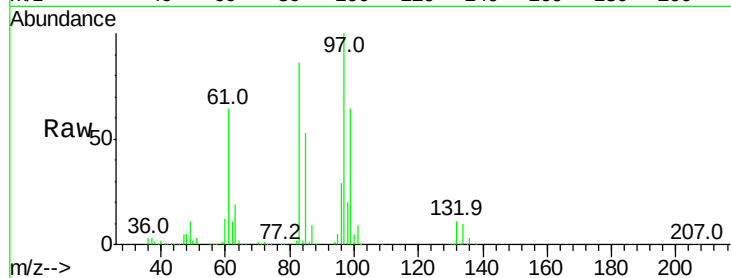
Ion	Ratio	Lower	Upper
97	100		
83	85.7	60.0	111.4
85	52.6	36.8	68.4
99	63.5	44.4	82.5

97 100

83 85.7 60.0 111.4

85 52.6 36.8 68.4

99 63.5 44.4 82.5



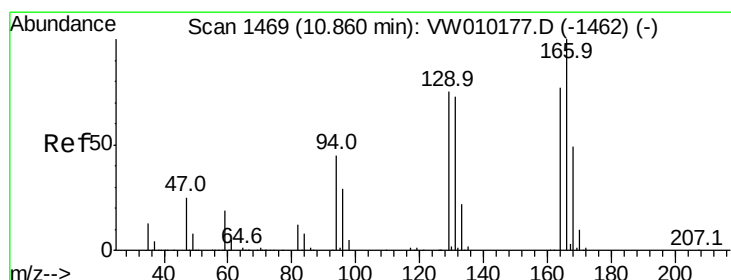
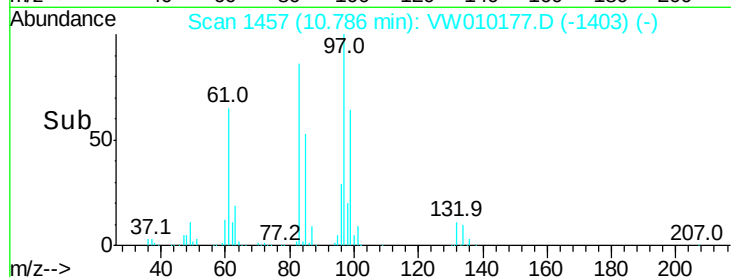
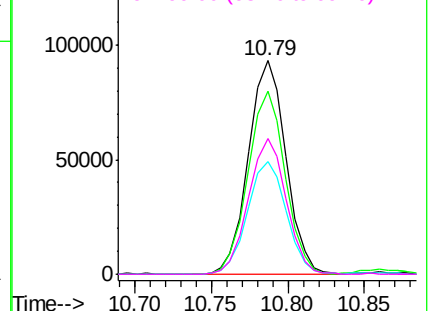
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.311 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Tgt Ion: 164 Resp: 183583

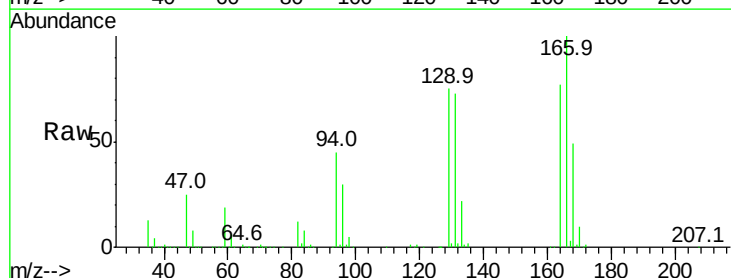
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.3	126.9
131	95.4	66.8	124.0
166	130.2	91.1	169.3

164 100

129 97.6 68.3 126.9

131 95.4 66.8 124.0

166 130.2 91.1 169.3



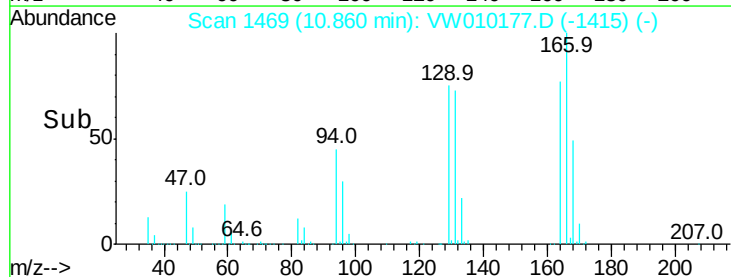
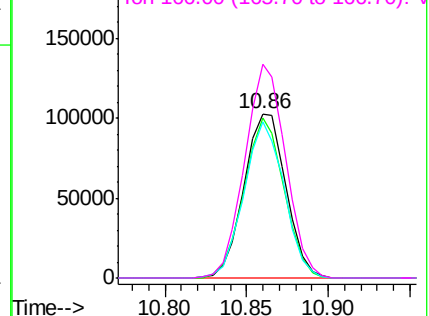
Abundance

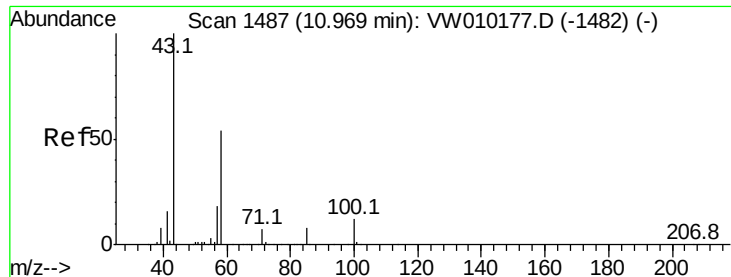
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

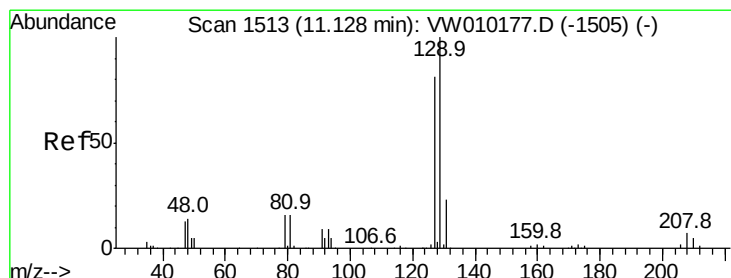
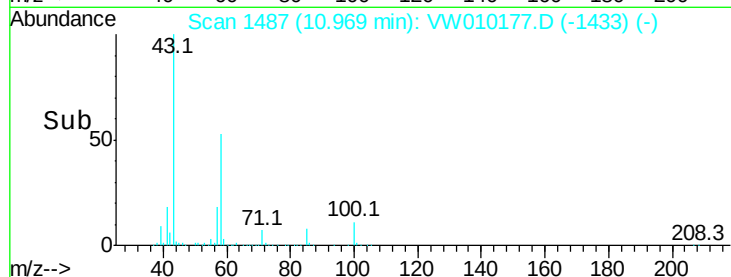
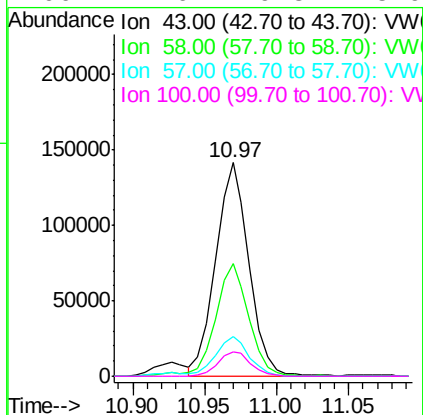
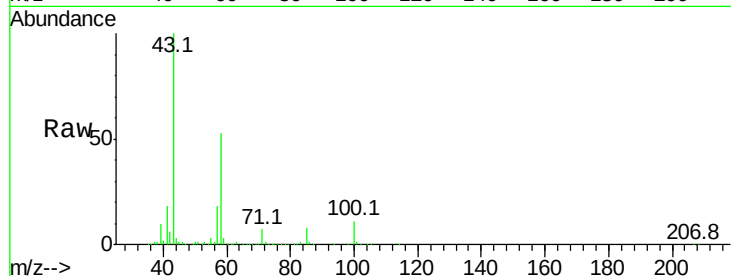




#49
2-Hexanone
Concen: 43.463 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

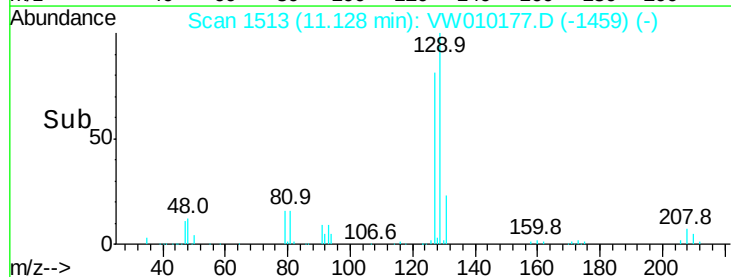
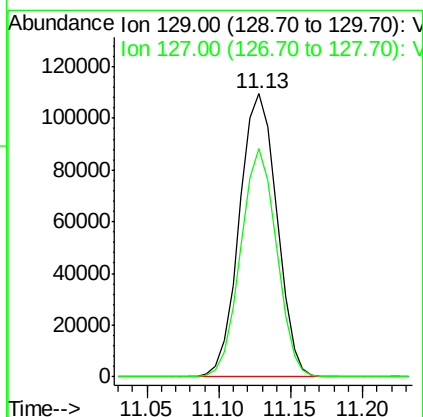
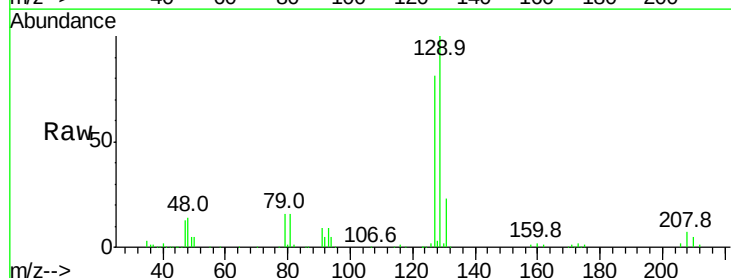
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

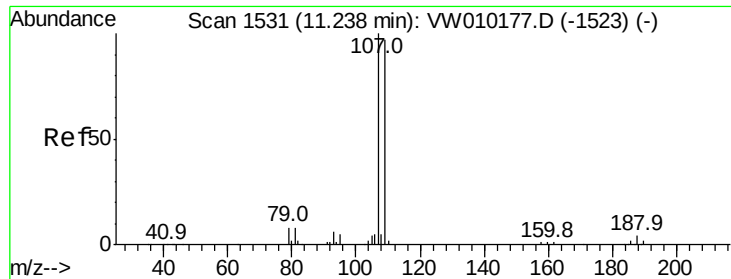
Tgt Ion: 43 Resp: 229193
Ion Ratio Lower Upper
43 100
58 51.8 41.4 62.2
57 18.5 14.8 22.2
100 11.6 9.3 13.9



#50
Dibromochloromethane
Concen: 23.513 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Tgt Ion: 129 Resp: 197939
Ion Ratio Lower Upper
129 100
127 80.6 56.4 104.8

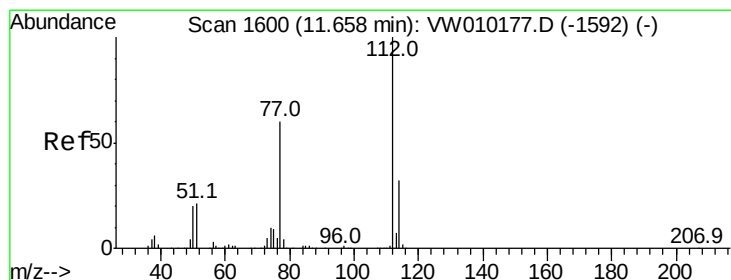
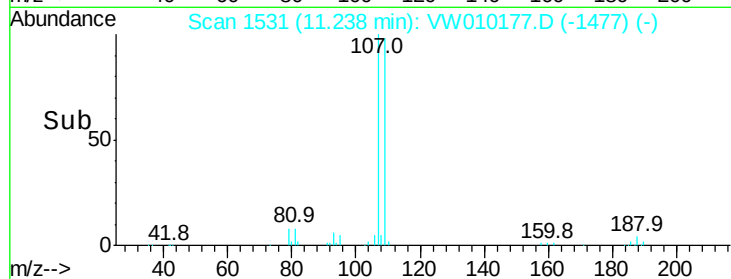
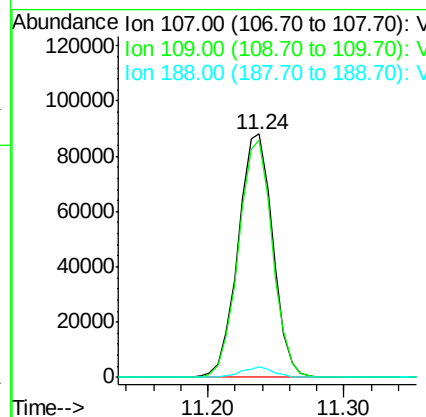
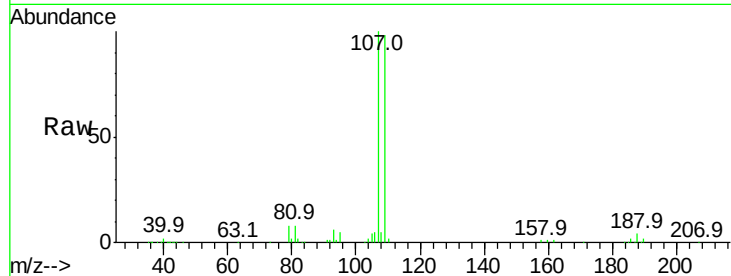




#51
1,2-Dibromoethane
Concen: 22.426 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

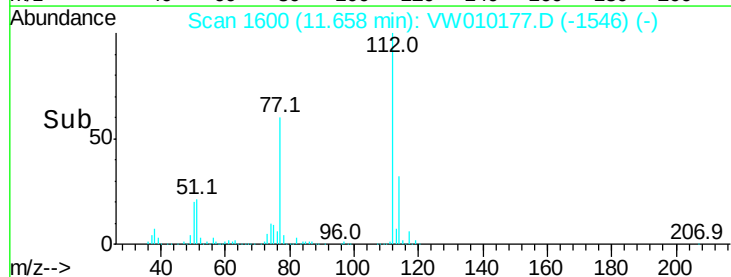
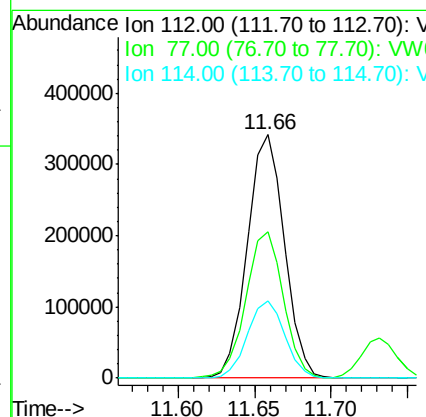
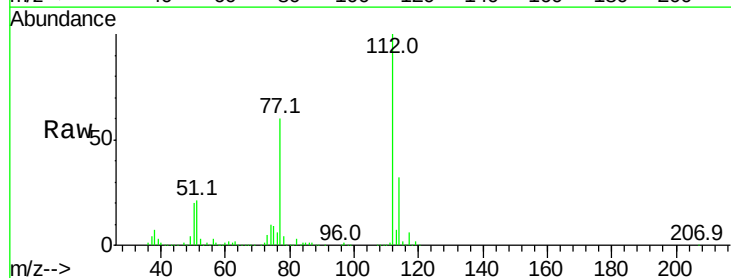
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

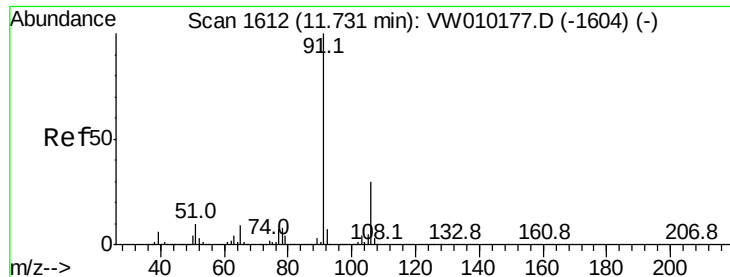
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.6	68.3	126.9
188	4.1	3.3	4.9



#52
Chlorobenzene
Concen: 22.877 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.2	48.2	72.2
114	31.7	22.2	41.2





#53

Ethylbenzene

Concen: 23.092 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

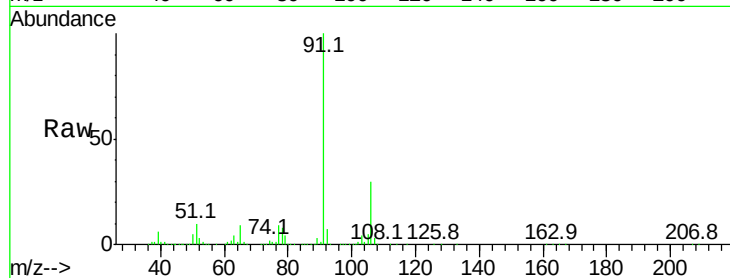
VSTD02528

Tgt Ion: 91 Resp: 1029516

Ion Ratio Lower Upper

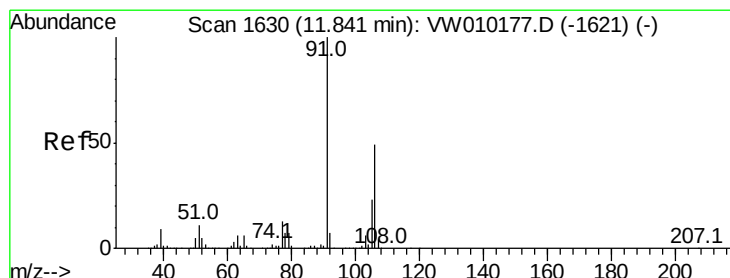
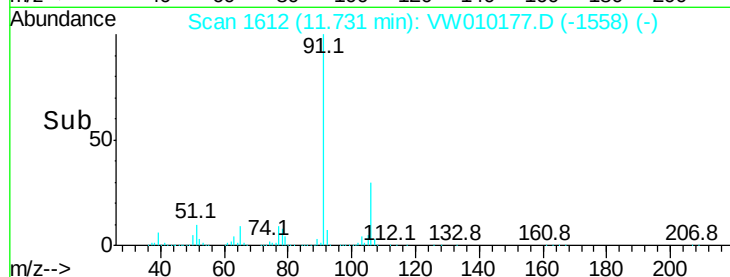
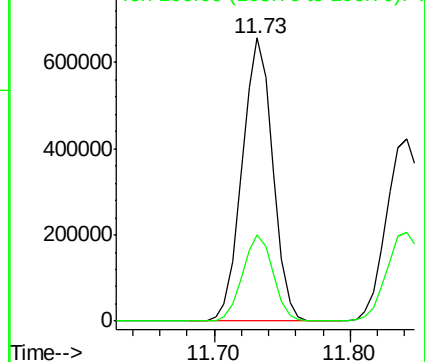
91 100

106 30.5 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 23.664 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010177.D

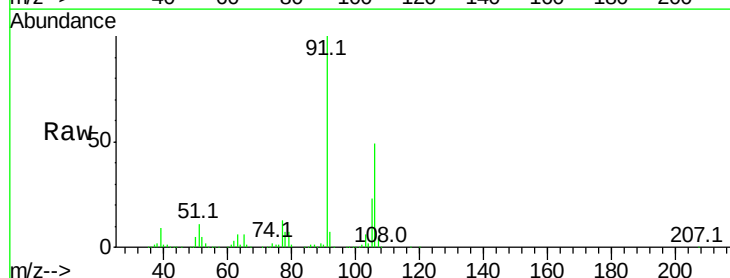
Acq: 29 Apr 2019 11:47

Tgt Ion: 106 Resp: 390244

Ion Ratio Lower Upper

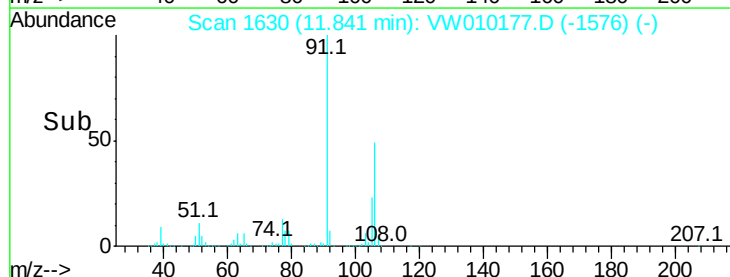
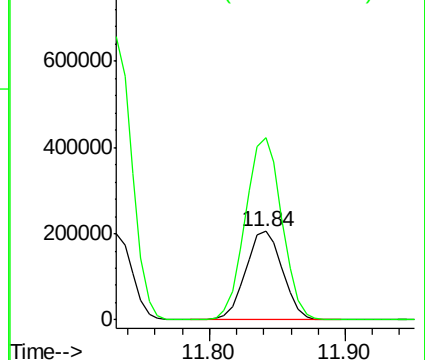
106 100

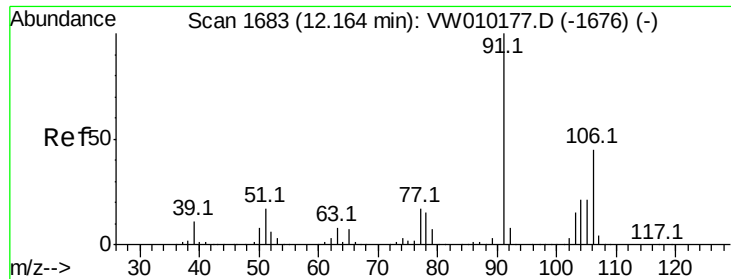
91 205.4 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

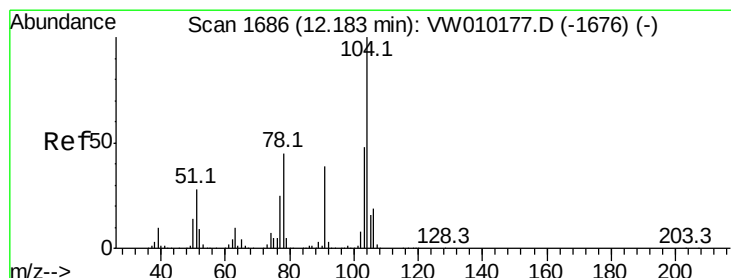
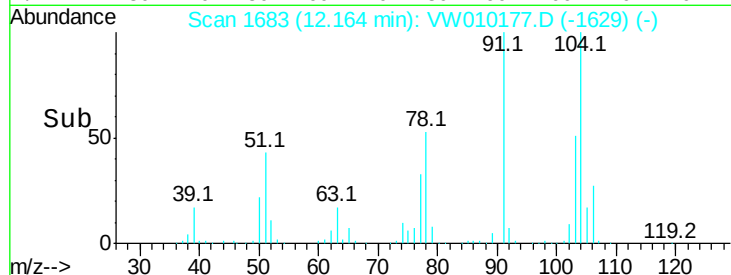
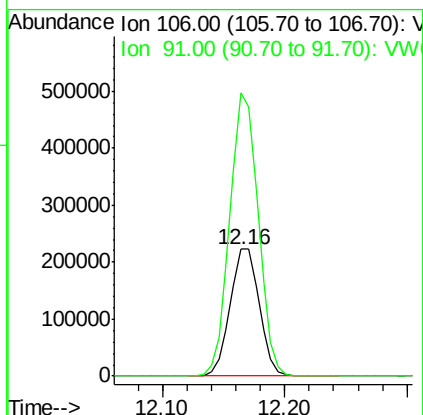
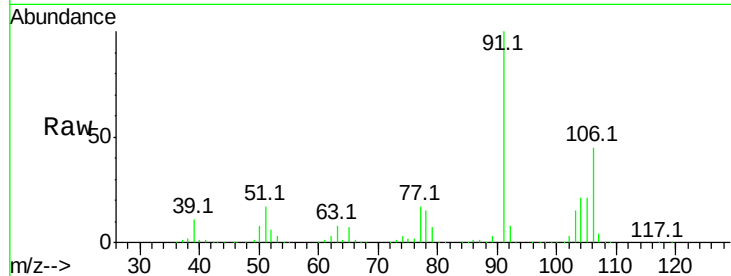




#55
o-xylene
Concen: 23.434 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

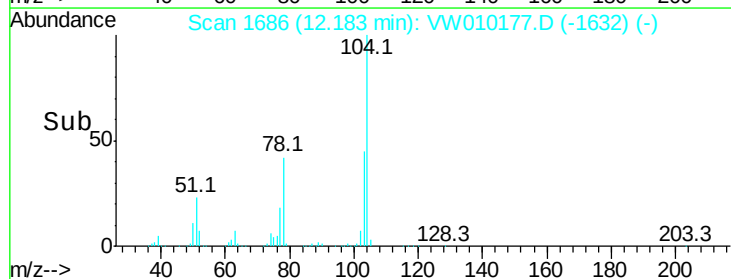
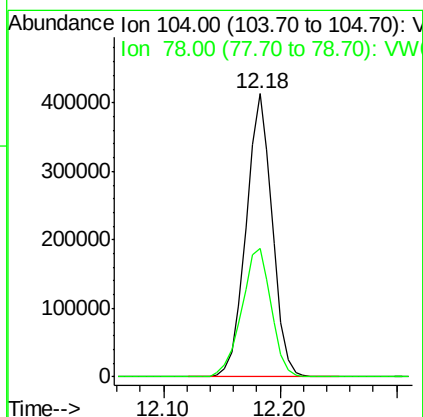
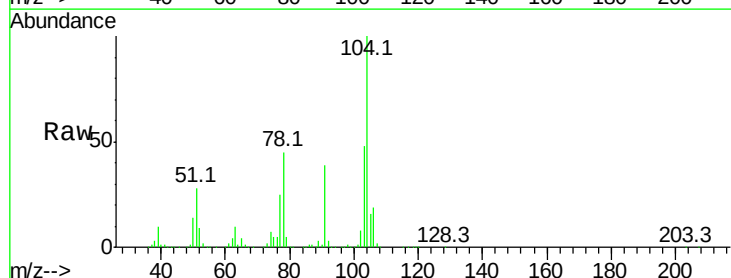
Instrument :
MSVOA_W
ClientSampled :
VSTD02528

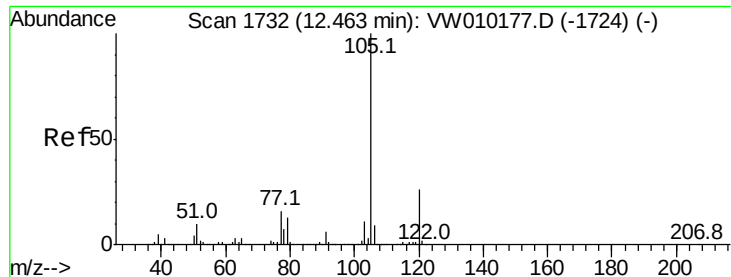
Tgt Ion:106 Resp: 366450
Ion Ratio Lower Upper
106 100
91 223.2 156.2 290.2



#56
Styrene
Concen: 24.271 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010177.D
Acq: 29 Apr 2019 11:47

Tgt Ion:104 Resp: 645491
Ion Ratio Lower Upper
104 100
78 45.5 31.9 59.2





#57

Isopropylbenzene

Concen: 23.743 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

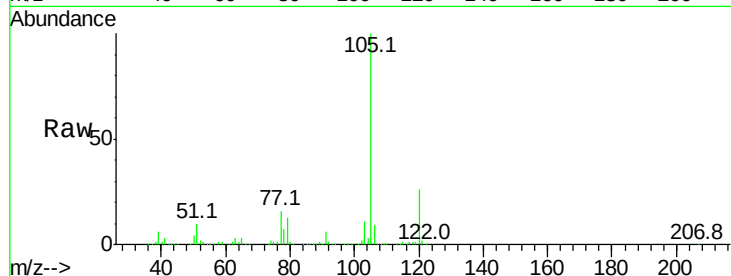
Tgt Ion:105 Resp: 1010223

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

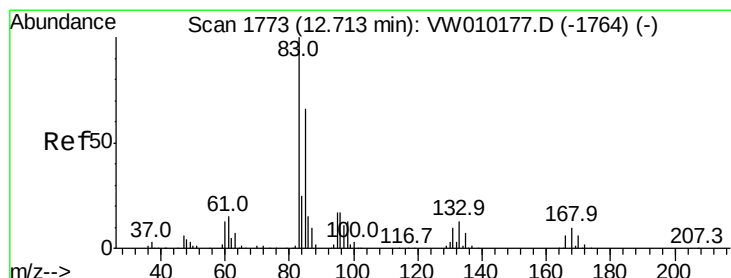
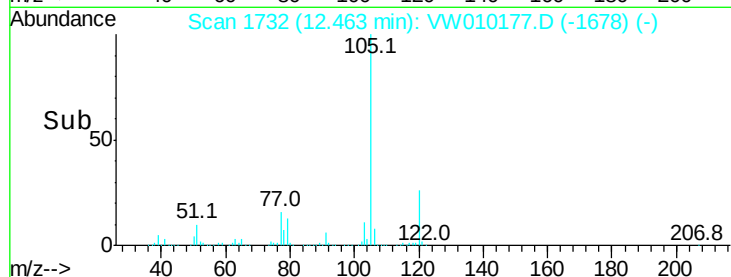
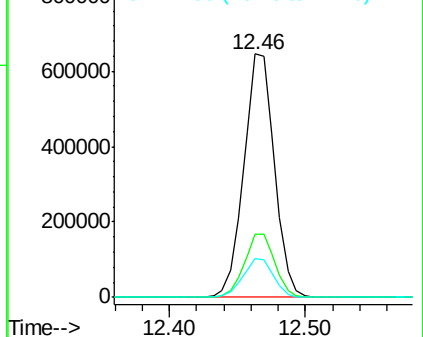
77 15.8 12.6 19.0



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: 22.141 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

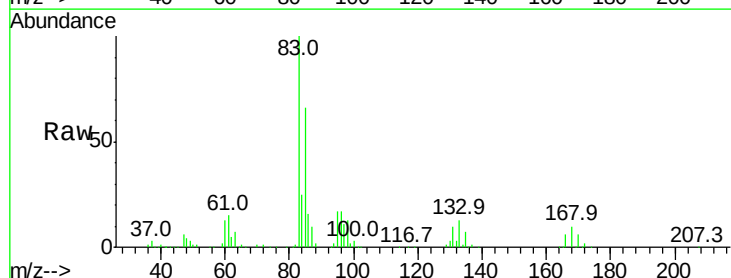
Tgt Ion: 83 Resp: 197018

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.5

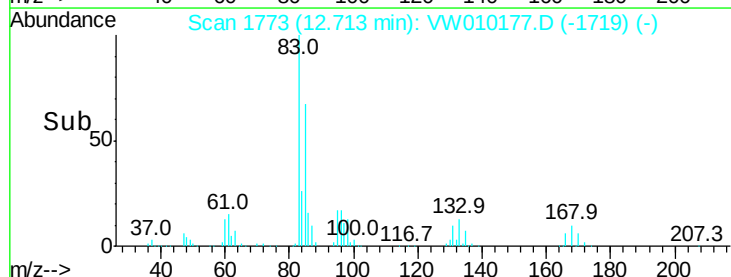
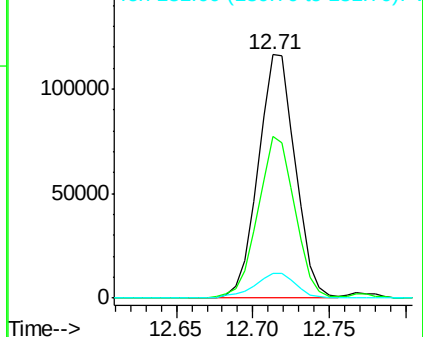
131 10.0 8.0 12.0

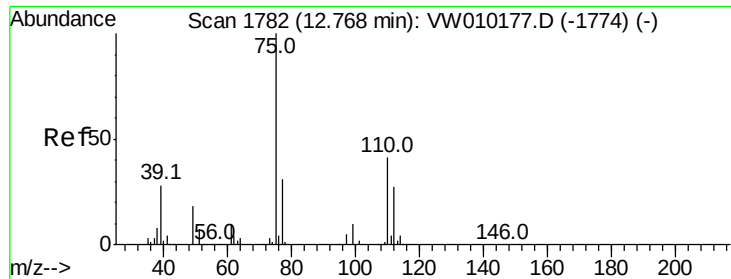


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.922 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

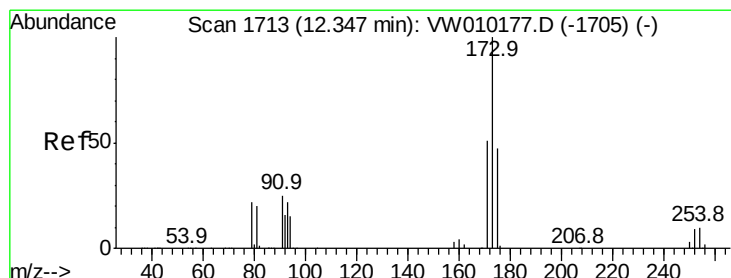
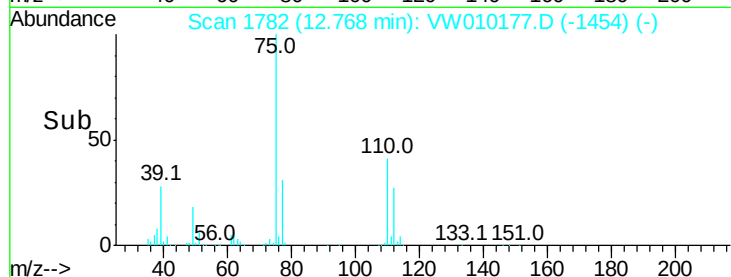
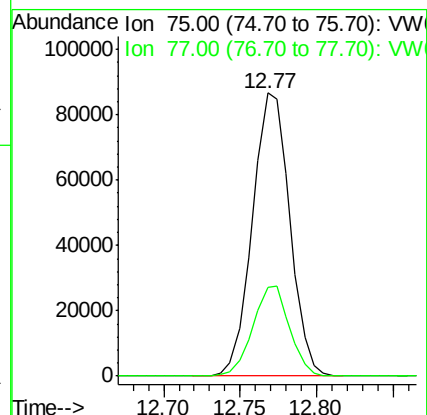
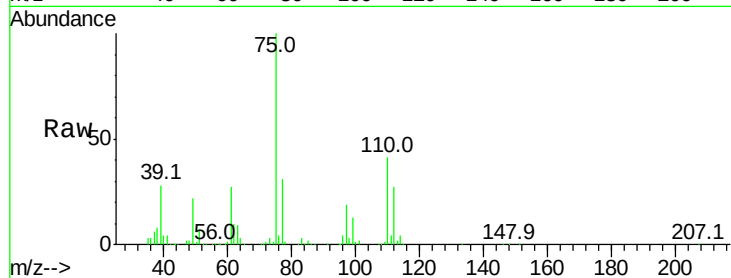
VSTD02528

Tgt Ion: 75 Resp: 147621

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#62

Bromoform

Concen: 22.706 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

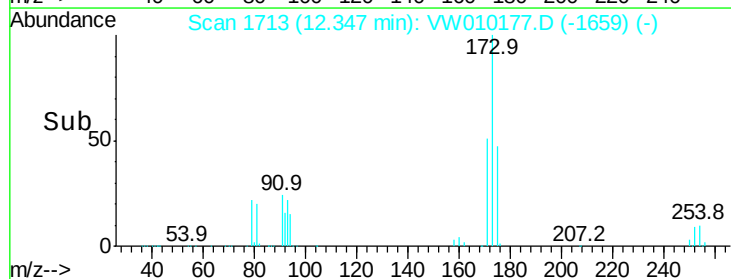
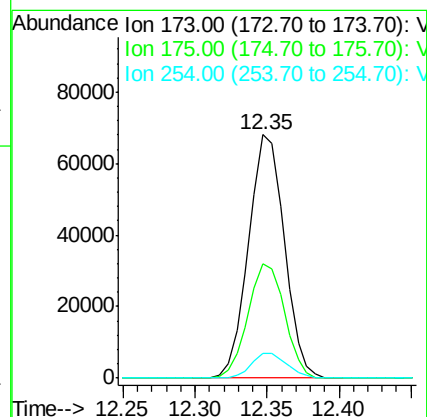
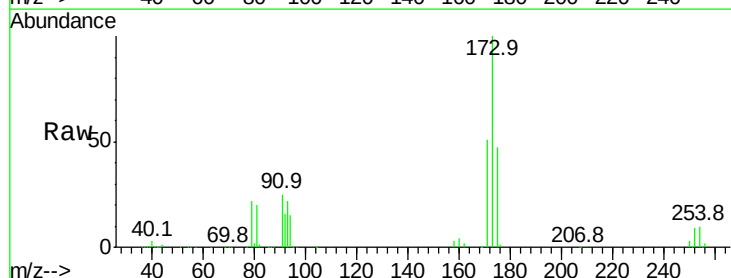
Tgt Ion: 173 Resp: 116875

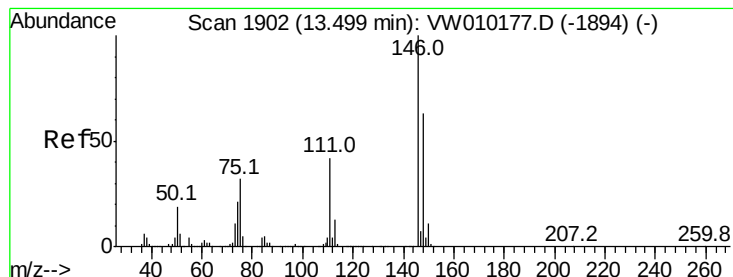
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 10.0 8.0 12.0





#63

1,3-Dichlorobenzene

Concen: 22.755 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

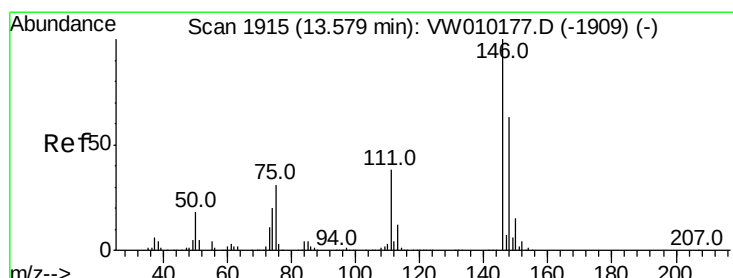
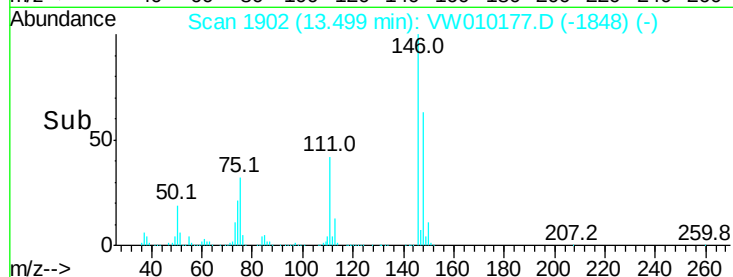
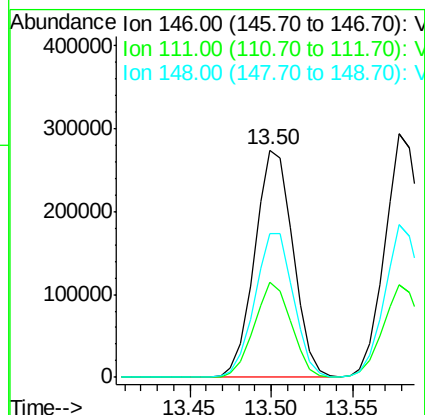
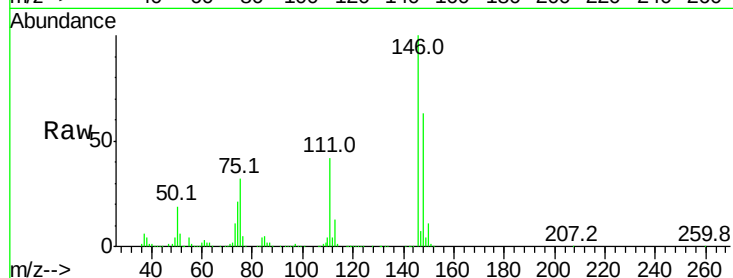
Tgt Ion:146 Resp: 448540

Ion Ratio Lower Upper

146 100

111 41.9 29.3 54.5

148 63.3 44.3 82.3



#64

1,4-Dichlorobenzene

Concen: 22.806 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

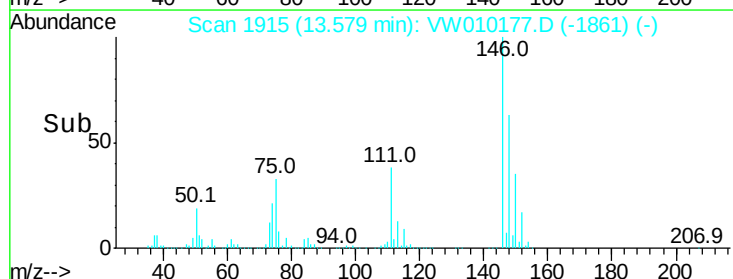
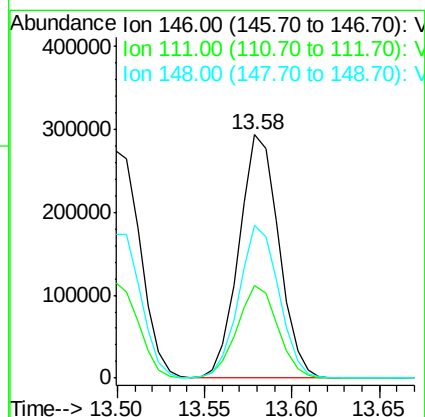
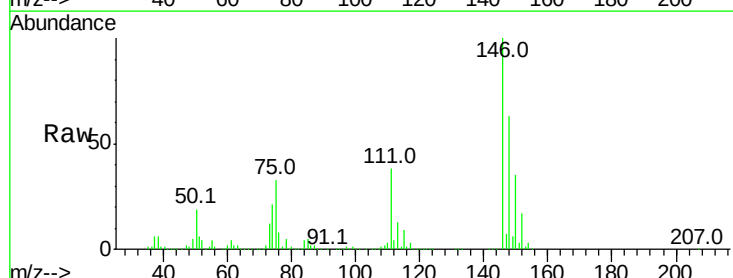
Tgt Ion:146 Resp: 466497

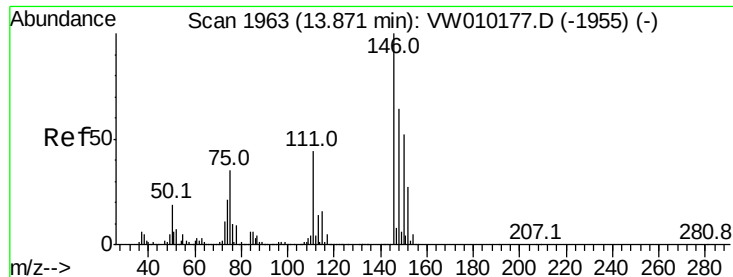
Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

148 62.7 43.9 81.5

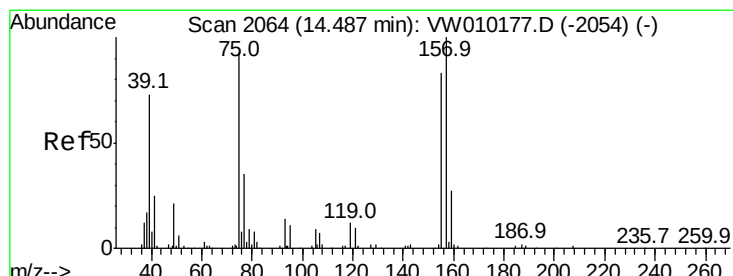
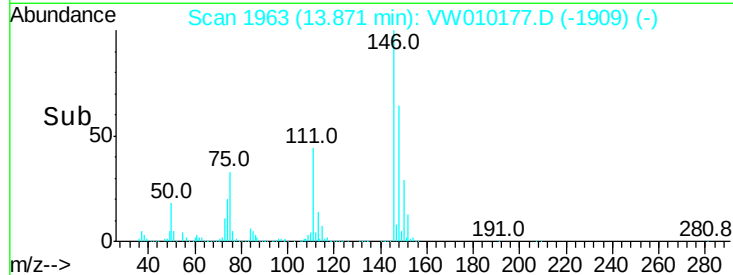
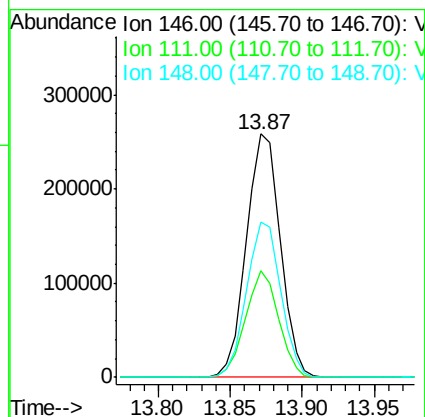
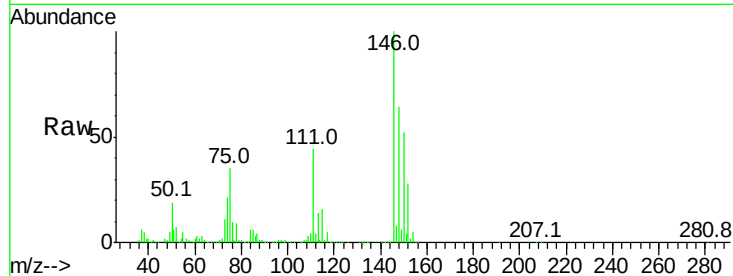




#65
 1,2-Dichlorobenzene
 Concen: 23.130 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

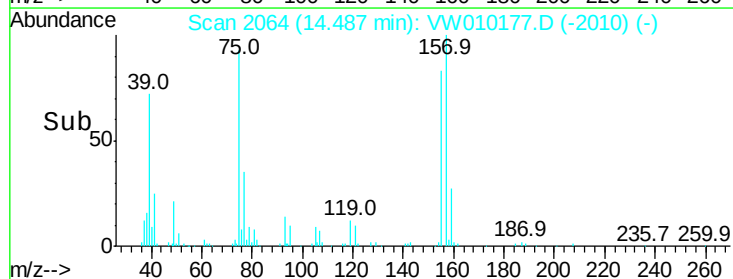
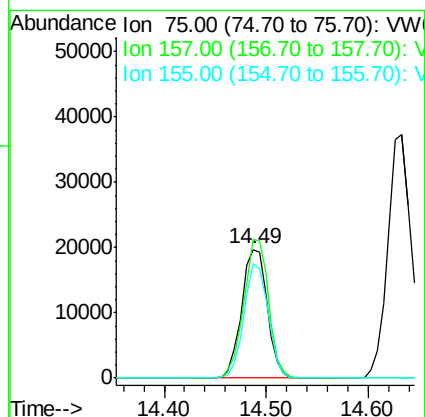
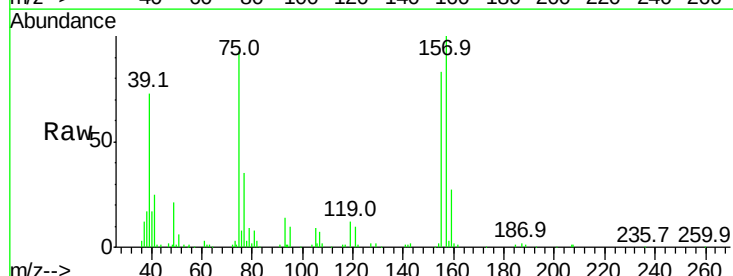
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

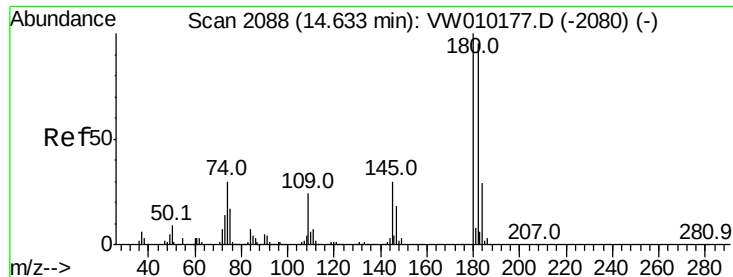
Tgt Ion: 146 Resp: 421697
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.0 52.4
 148 64.0 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.225 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

Tgt Ion: 75 Resp: 34275
 Ion Ratio Lower Upper
 75 100
 157 107.1 85.7 128.5
 155 88.5 70.8 106.2

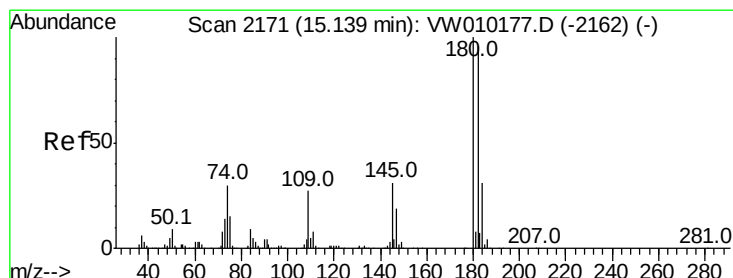
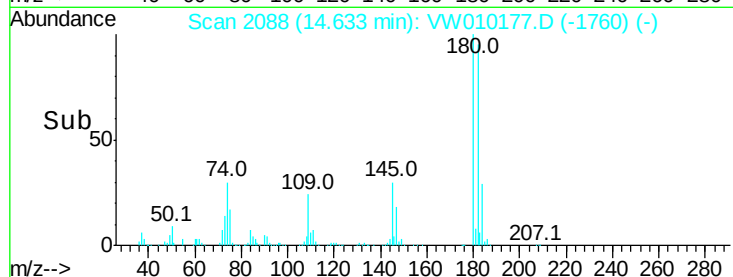
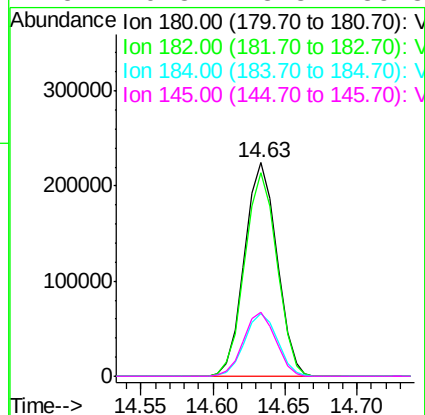
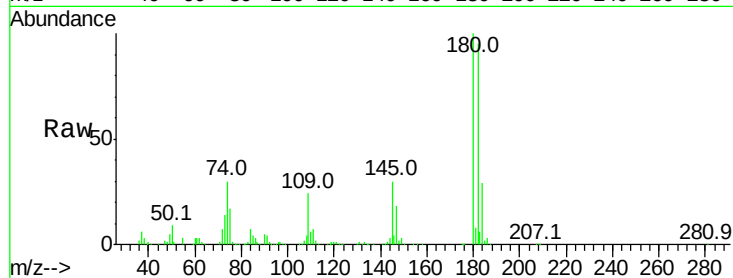




#67
 1,3,5-Trichlorobenzene
 Concen: 24.256 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

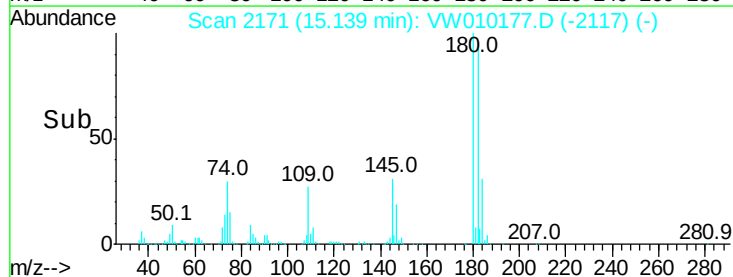
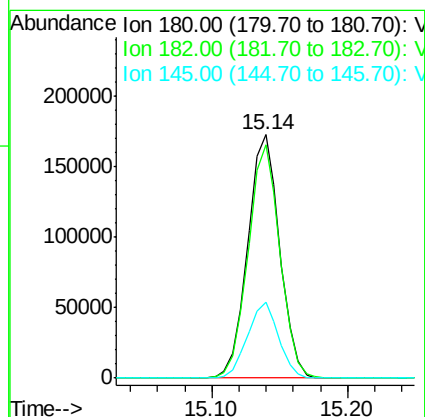
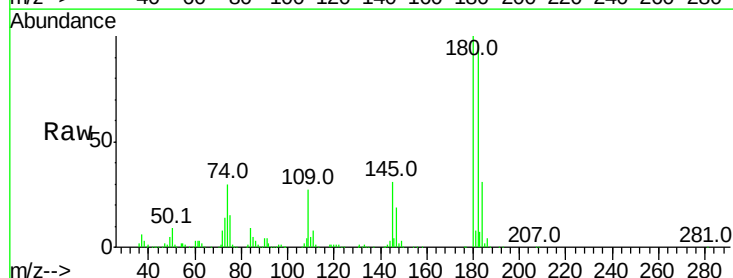
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

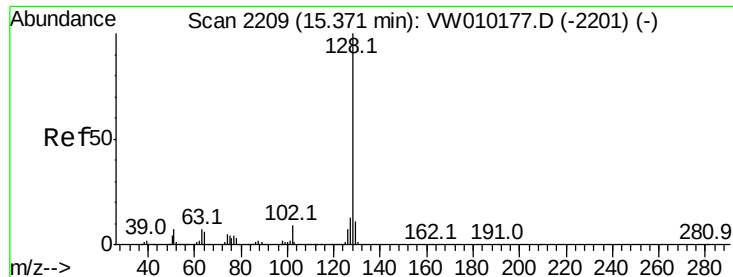
Tgt Ion:	180	Resp:	350616
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
184	29.7	23.8	35.6
145	29.8	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 24.079 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010177.D
 Acq: 29 Apr 2019 11:47

Tgt Ion:	180	Resp:	283181
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.6	24.5	36.7





#69

Naphthalene

Concen: 19.548 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

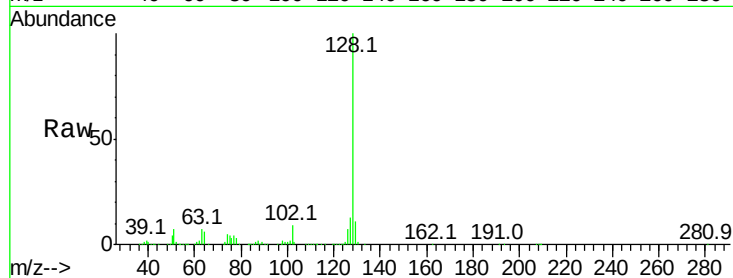
Tgt Ion:128 Resp: 567744

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

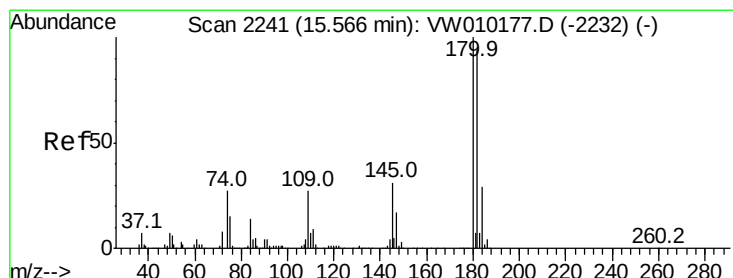
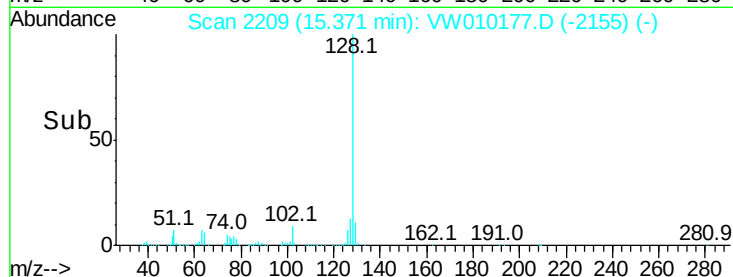
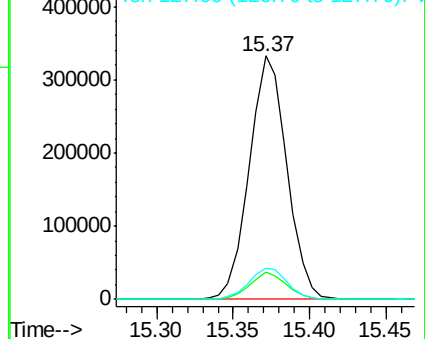
127 13.2 10.6 15.8



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: 25.410 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW010177.D

Acq: 29 Apr 2019 11:47

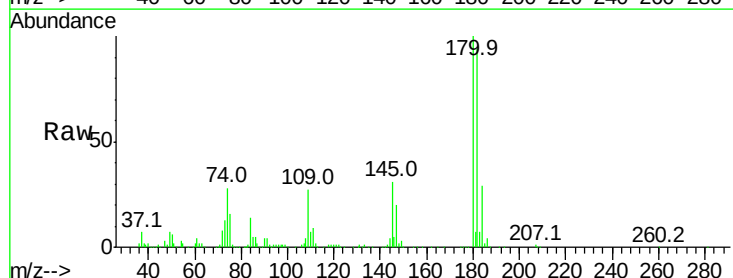
Tgt Ion:180 Resp: 279800

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 32.5 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

