

Data File : VW013302.D
Acq On : 26 Sep 2019 12:01
Operator : SY/VA
Sample : VSTD10005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Sep 26 12:25:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 11:15:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	507758	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	454321	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	225713	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	602971	118.10	ug/L	0.00
7) Chloroethane-d5	2.88	69	489160	116.45	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1204955	98.67	ug/L	0.00
20) 2-Butanone-d5	7.07	46	448729	235.00	ug/L	0.00
24) Chloroform-d	7.65	84	1186416	92.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	639755	93.27	ug/L	0.00
29) Benzene-d6	8.27	84	2531622	109.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	766583	100.17	ug/L	0.00
37) Toluene-d8	10.32	98	2409267	109.15	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	365744	108.47	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	367303	254.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	663196	114.82	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	851539	99.05	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	400884	102.274	ug/L	97
3) Chloromethane	2.21	50	440875	82.438	ug/L	96
5) Vinyl chloride	2.36	62	597423	86.506	ug/L	99
6) Bromomethane	2.78	94	367060	88.987	ug/L	97
8) Chloroethane	2.92	64	363265	87.235	ug/L	99
9) Trichlorofluoromethane	3.25	101	408656	98.704	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	588141	97.006	ug/L	100
12) 1,1-Dichloroethene	4.04	96	590680	97.553	ug/L	99
13) Acetone	4.13	43	336450	204.460	ug/L	98
14) Carbon disulfide	4.38	76	1723864	95.228	ug/L	100
15) Methyl Acetate	4.67	43	352471	114.688	ug/L	100
16) Methylene chloride	4.92	84	620625	89.525	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	1029871	97.761	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	632162	97.344	ug/L	97
19) 1,1-Dichloroethane	6.21	63	1109017	90.131	ug/L	99
21) 2-Butanone	7.17	43	493502	227.642	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	692944	100.589	ug/L	100
23) Bromochloromethane	7.51	128	315802	105.812	ug/L	92
25) Chloroform	7.67	83	1079892	87.156	ug/L	100
27) 1,2-Dichloroethane	8.40	62	722105	86.239	ug/L	99
30) Cyclohexane	7.95	56	1121018	92.577	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	869182	83.932	ug/L	99
32) Carbon tetrachloride	8.07	117	843712	87.255	ug/L	99
34) Benzene	8.32	78	2509260	91.846	ug/L	100
35) Trichloroethene	9.09	95	665397	92.286	ug/L	98
36) Methylcyclohexane	9.34	83	1197619	96.054	ug/L	100
40) 1,2-Dichloropropane	9.37	63	635286	92.444	ug/L	99
41) Bromodichloromethane	9.64	83	813875	92.966	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	1079368	99.969	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1015017	232.177	ug/L	99

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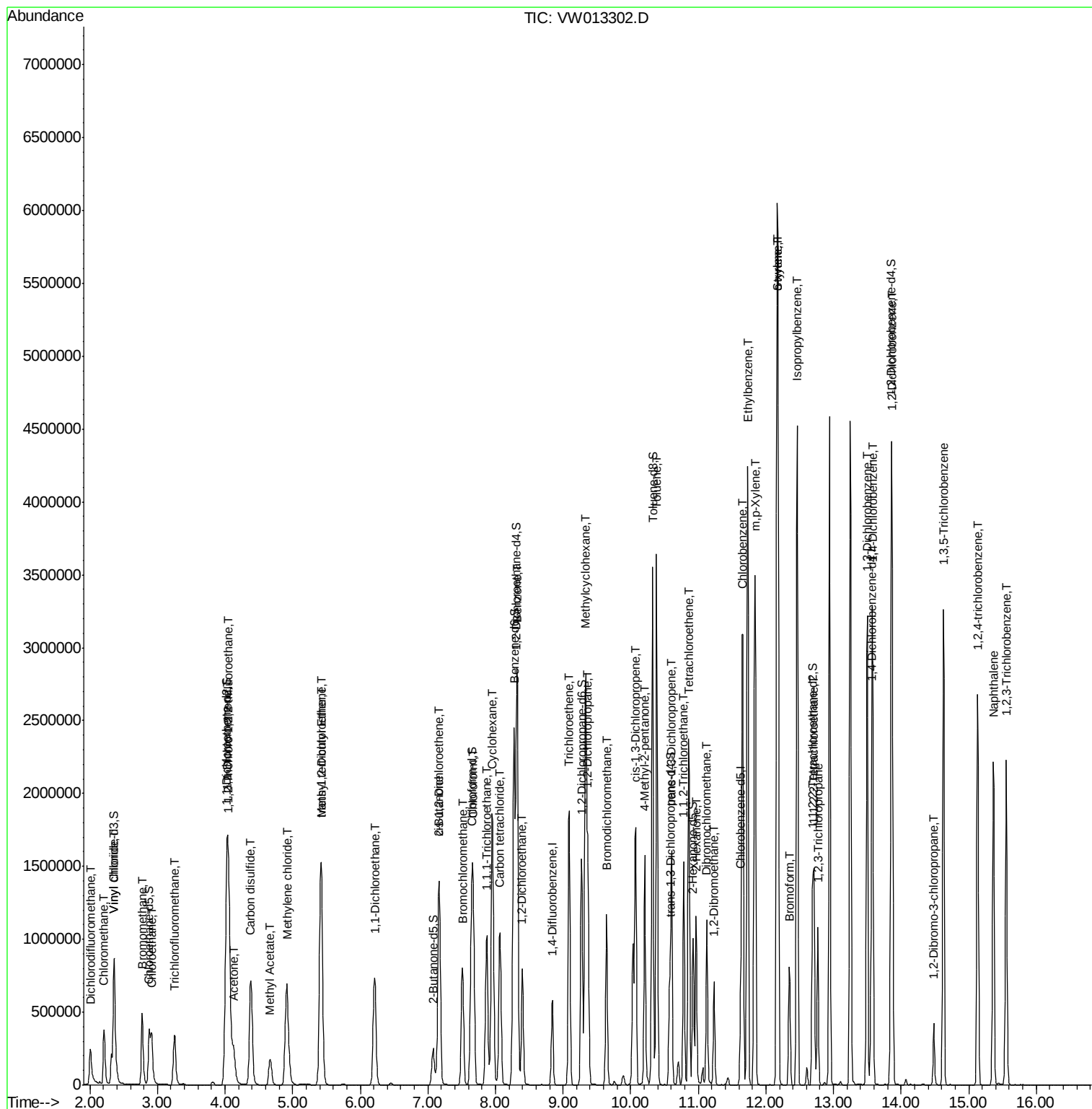
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2758216	94.352	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	882635	100.854	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	502608	108.759	ug/L	99
47) Tetrachloroethene	10.86	164	595347	95.892	ug/L	98
49) 2-Hexanone	10.97	43	740950	229.289	ug/L	99
50) Dibromochloromethane	11.13	129	613325	108.973	ug/L	95
51) 1,2-Dibromoethane	11.23	107	501571	112.833	ug/L	99
52) Chlorobenzene	11.66	112	1754725	96.071	ug/L	98
53) Ethylbenzene	11.73	91	3092850	93.221	ug/L	97
54) m,p-Xylene	11.84	106	1187994	95.772	ug/L	97
55) o-xylene	12.16	106	1140624	97.745	ug/L	99
56) Styrene	12.18	104	1976447	99.537	ug/L	99
57) Isopropylbenzene	12.46	105	3053774	95.296	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	629844	119.828	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	460711	113.744	ug/L	99
62) Bromoform	12.35	173	399056	123.711	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1411279	98.707	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	1401568	98.263	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1284284	100.165	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	105829	119.099	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	1097593	99.799	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	952263	109.224	ug/L	100
69) Naphthalene	15.36	128	1954795	138.442	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	857064	111.415	ug/L	98

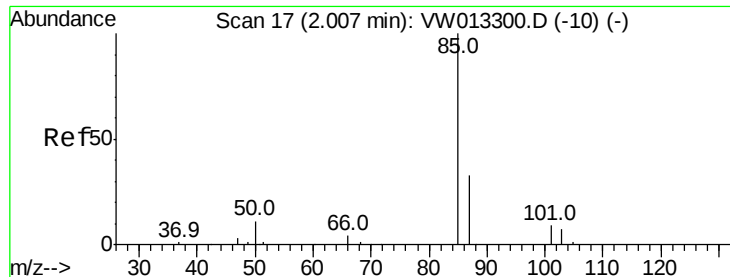
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 102.274 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

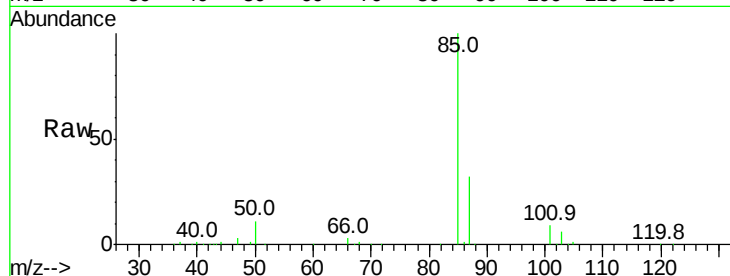
VSTD10005

Tgt Ion: 85 Resp: 400884

Ion Ratio Lower Upper

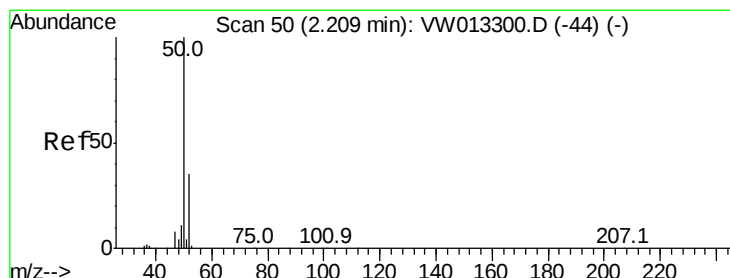
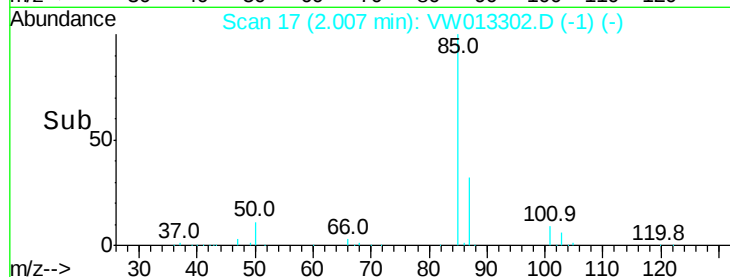
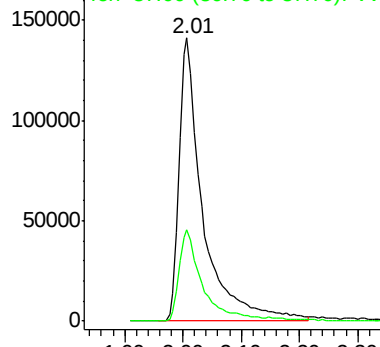
85 100

87 29.1 21.3 39.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 82.438 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013302.D

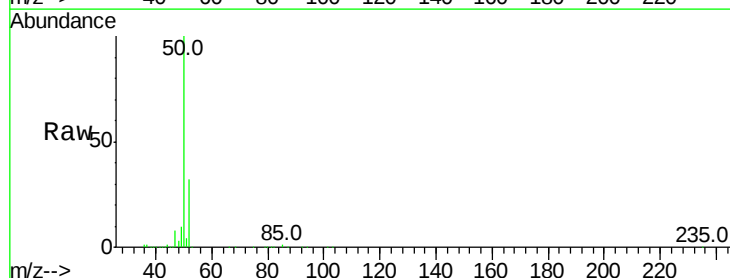
Acq: 26 Sep 2019 12:01

Tgt Ion: 50 Resp: 440875

Ion Ratio Lower Upper

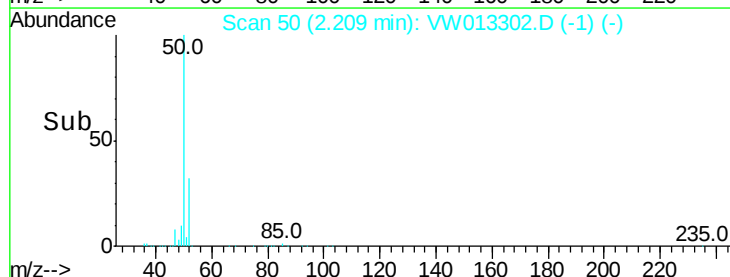
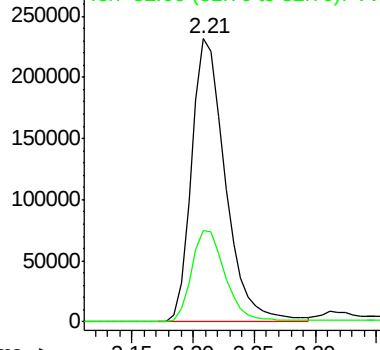
50 100

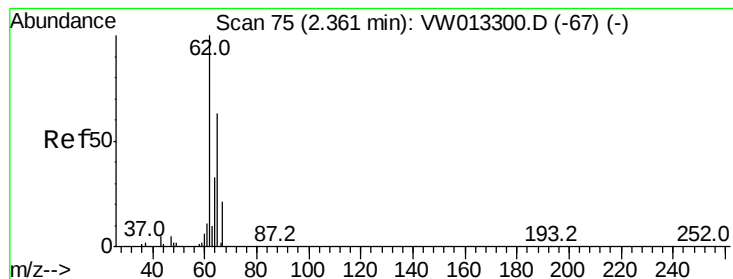
52 32.4 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 86.506 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

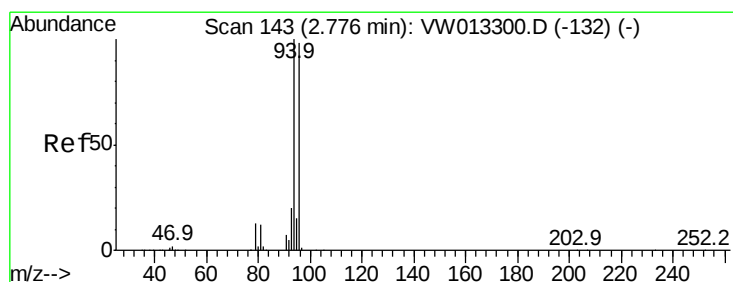
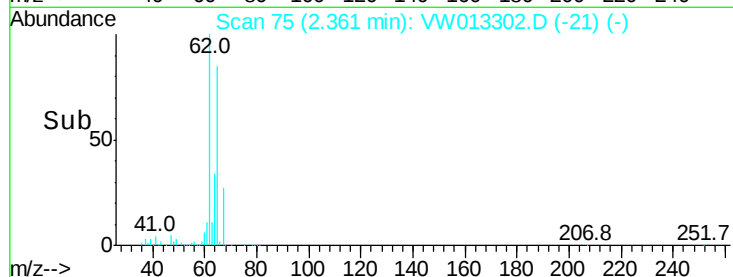
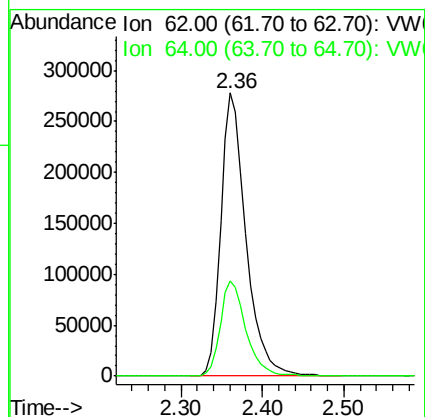
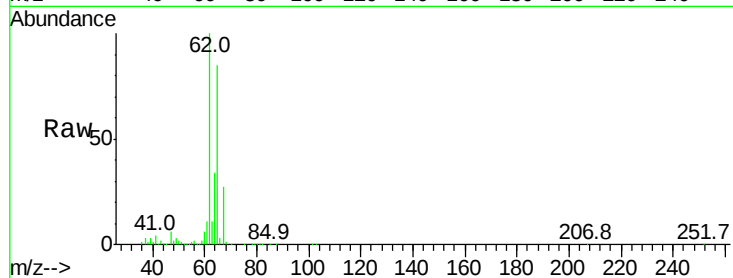
VSTD10005

Tgt Ion: 62 Resp: 597423

Ion Ratio Lower Upper

62 100

64 33.7 23.2 43.0



#6

Bromomethane

Concen: 88.987 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013302.D

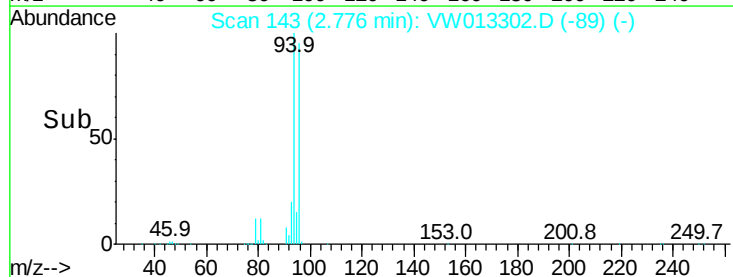
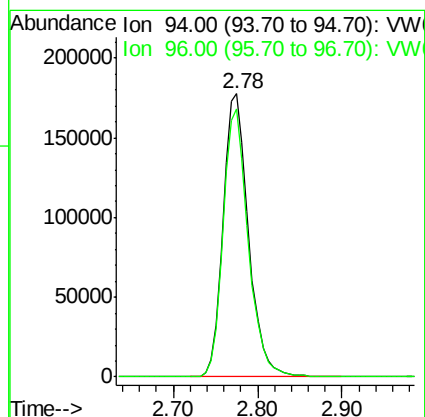
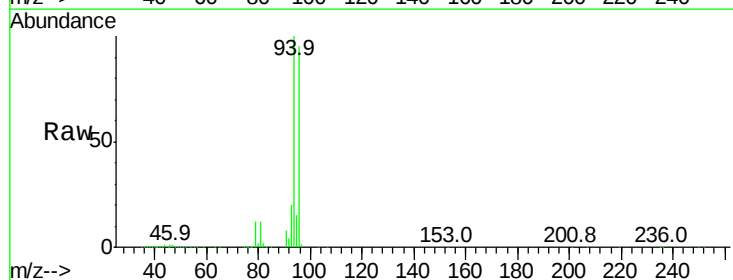
Acq: 26 Sep 2019 12:01

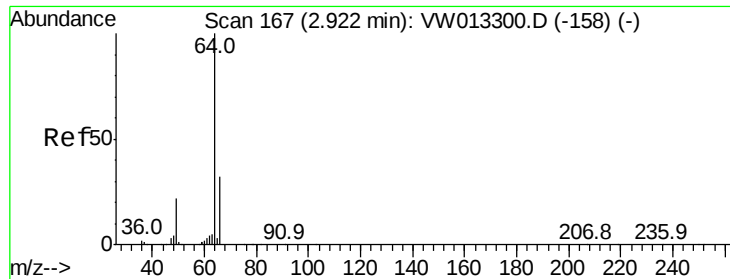
Tgt Ion: 94 Resp: 367060

Ion Ratio Lower Upper

94 100

96 94.0 9.7 184.3





#8

Chloroethane

Concen: 87.235 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

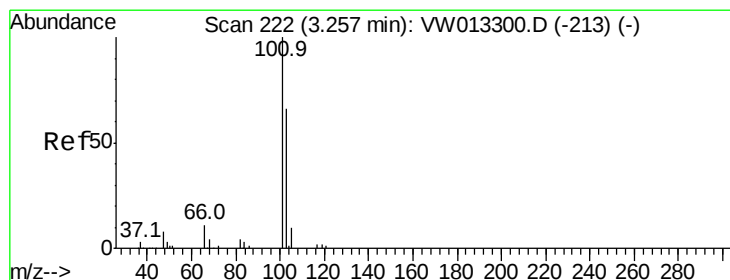
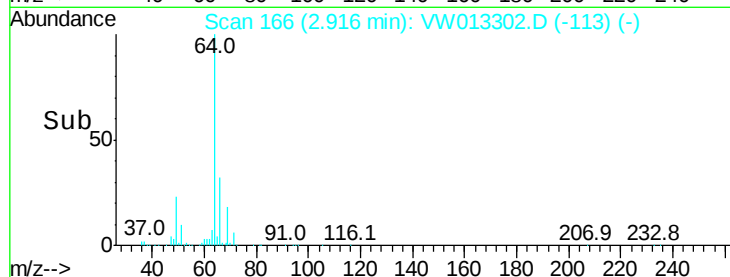
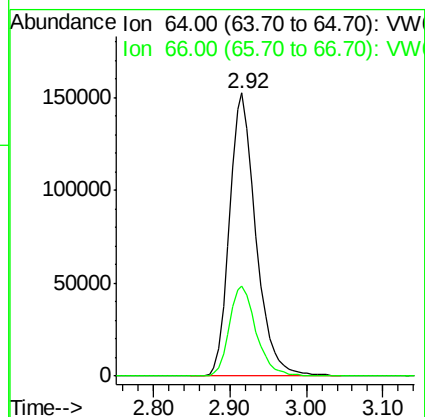
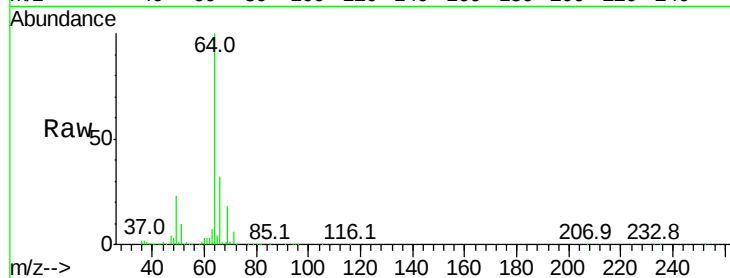
VSTD10005

Tgt Ion: 64 Resp: 363265

Ion Ratio Lower Upper

64 100

66 31.9 22.7 42.1



#9

Trichlorofluoromethane

Concen: 98.704 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013302.D

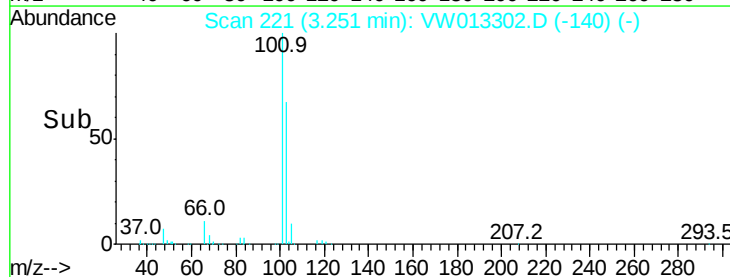
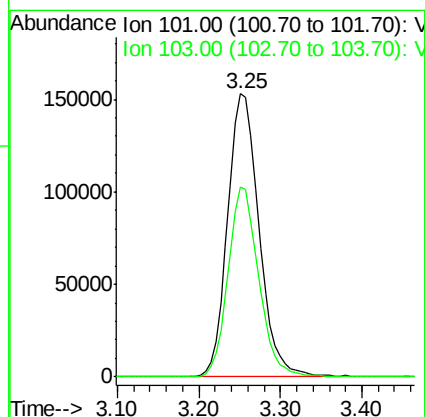
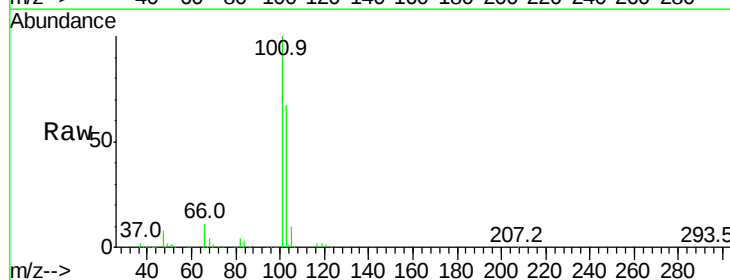
Acq: 26 Sep 2019 12:01

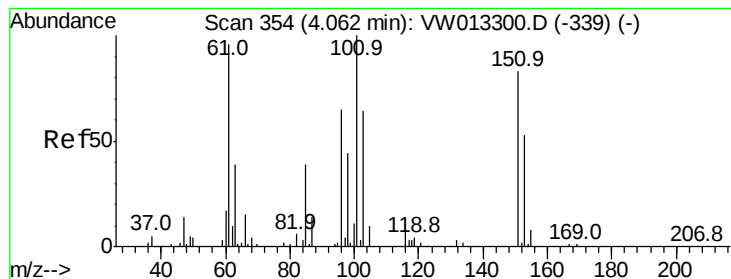
Tgt Ion: 101 Resp: 408656

Ion Ratio Lower Upper

101 100

103 65.1 45.2 84.0





#11

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

Concen: 97.006 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

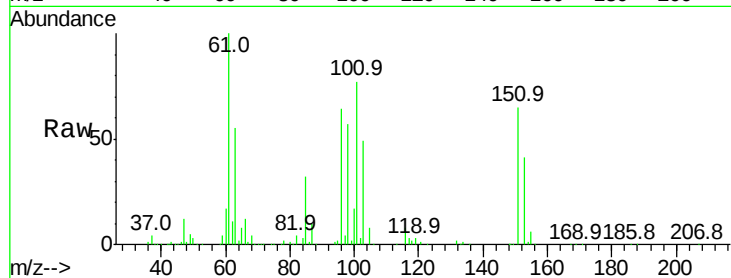
Tgt Ion: 101 Resp: 588141

Ion Ratio Lower Upper

101 100

85 40.0 31.8 47.8

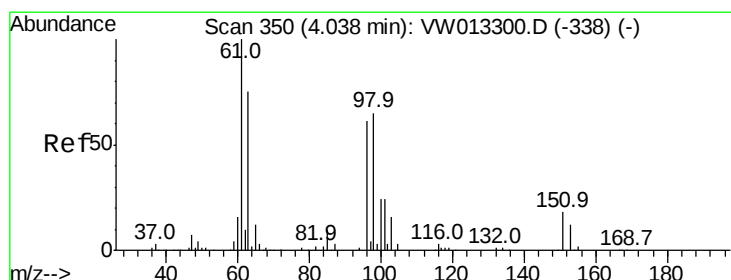
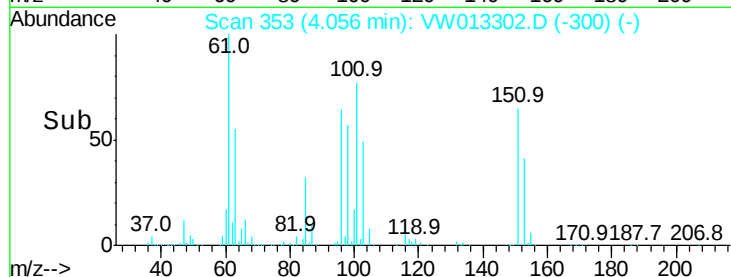
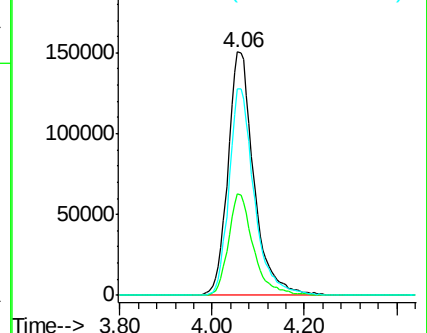
151 82.2 65.4 98.0



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: 97.553 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

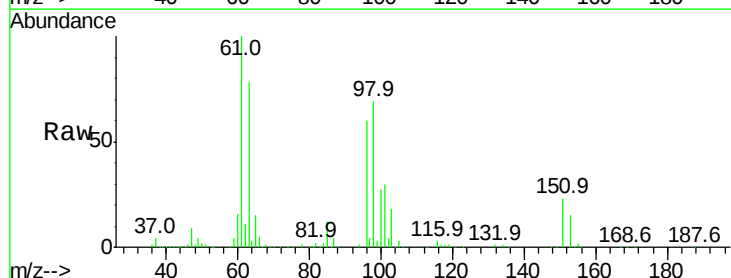
Tgt Ion: 96 Resp: 590680

Ion Ratio Lower Upper

96 100

61 165.7 115.9 215.3

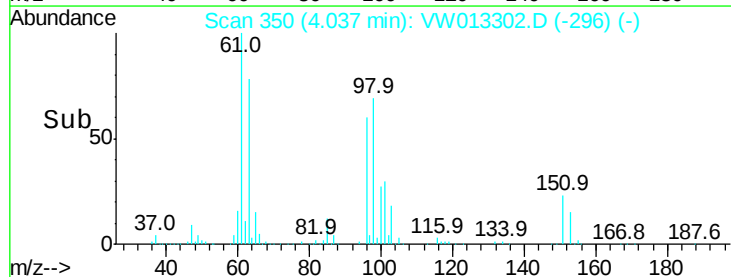
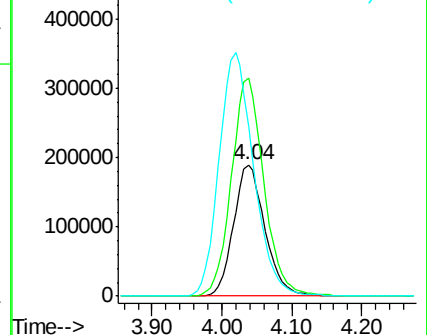
63 128.9 88.9 165.1

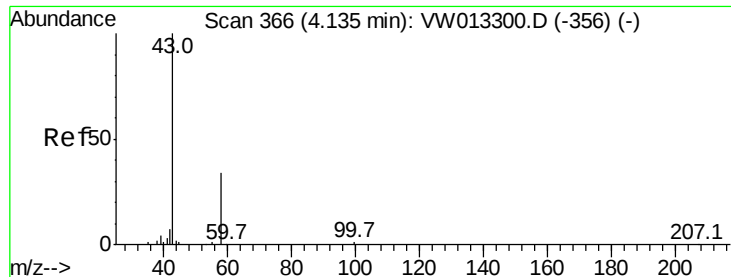


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 204.460 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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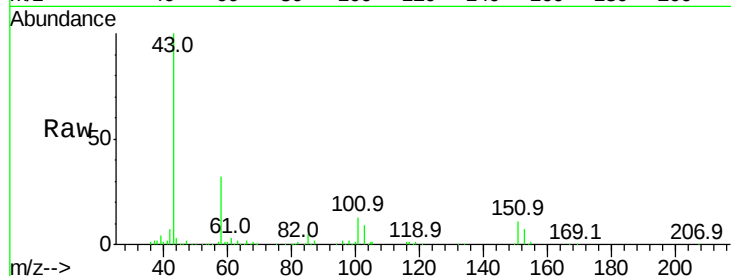
VSTD10005

Tgt Ion: 43 Resp: 336450

Ion Ratio Lower Upper

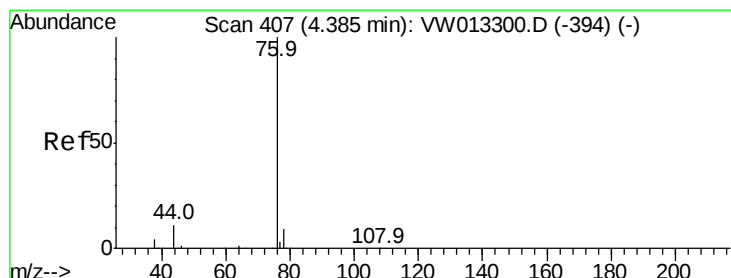
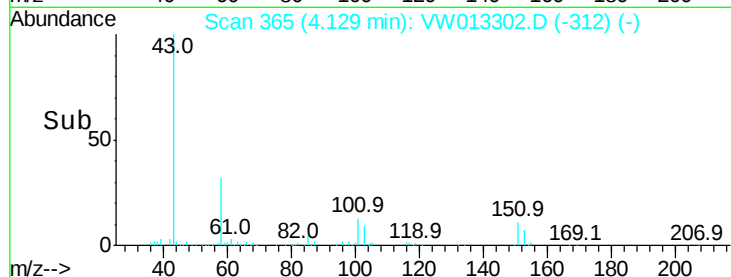
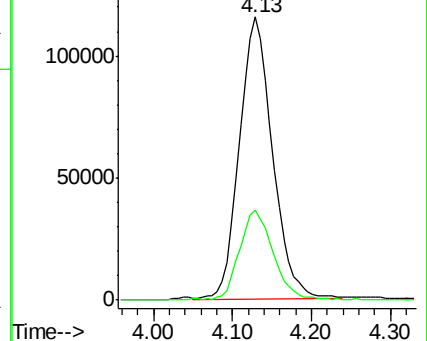
43 100

58 32.6 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 95.228 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013302.D

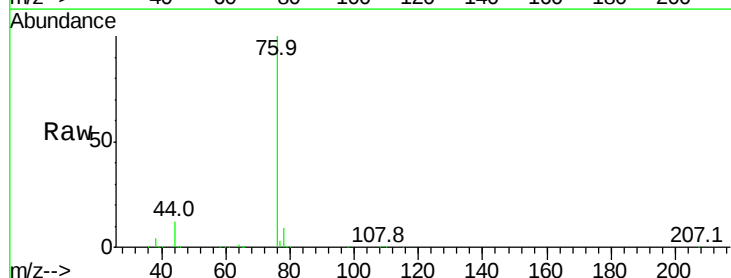
Acq: 26 Sep 2019 12:01

Tgt Ion: 76 Resp: 1723864

Ion Ratio Lower Upper

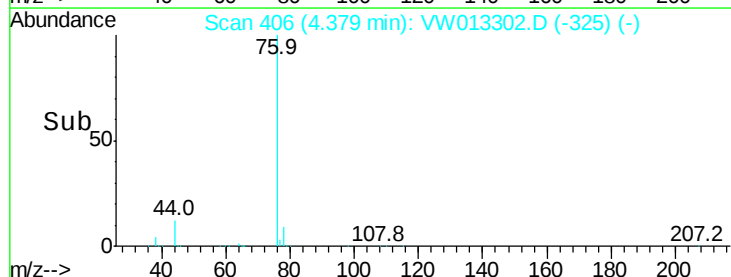
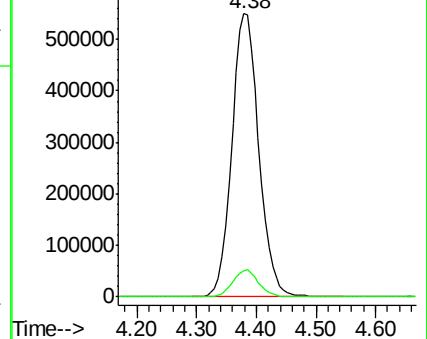
76 100

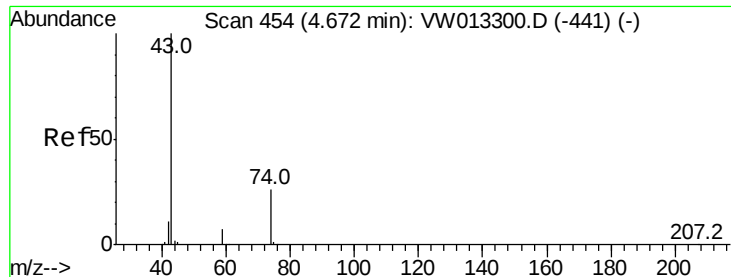
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

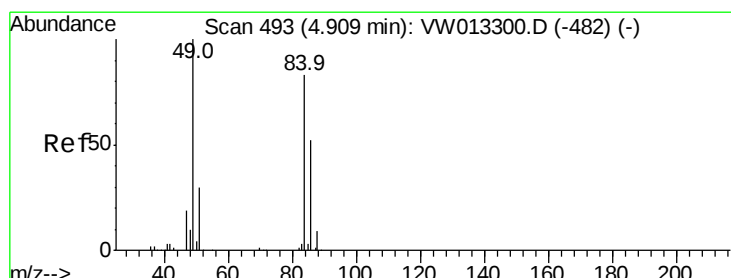
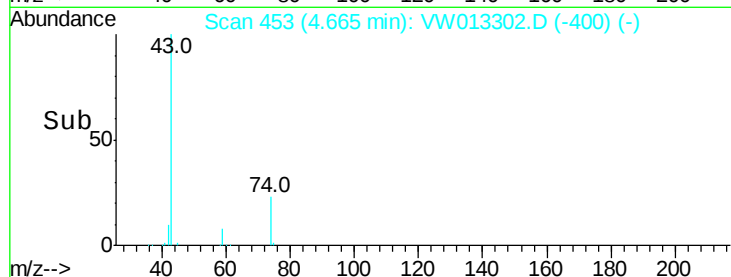
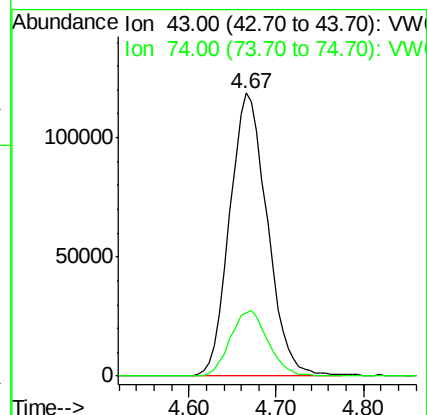
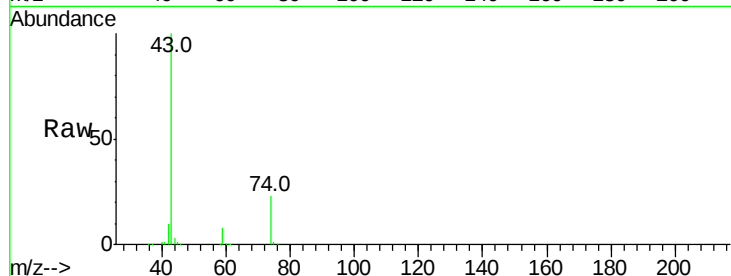




#15
Methyl Acetate
Concen: 114.688 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

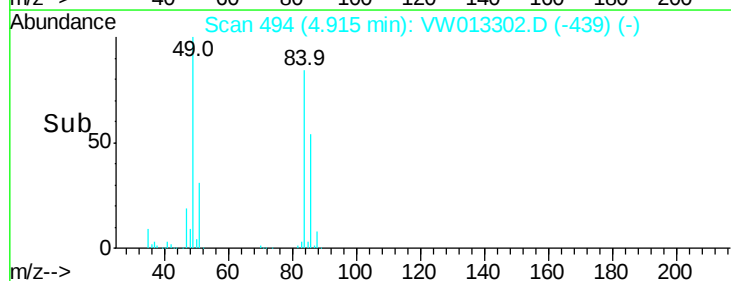
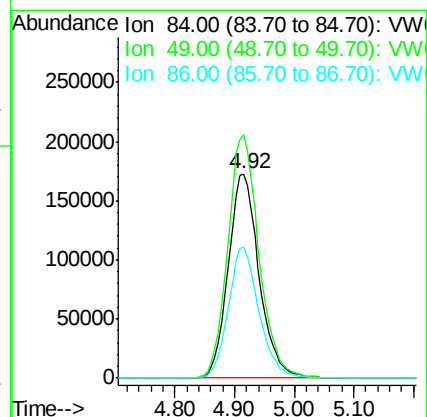
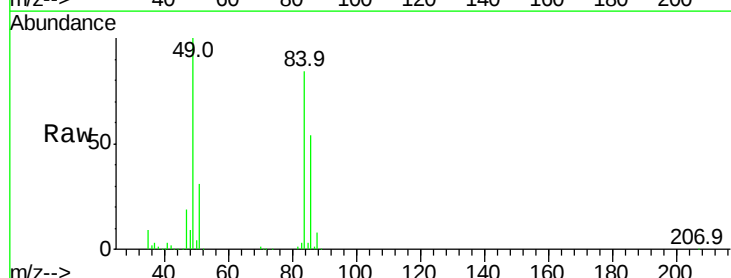
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

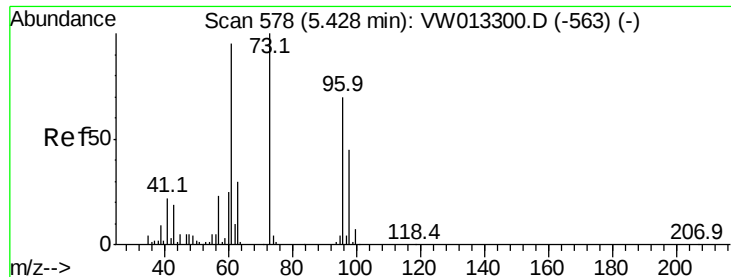
Tgt Ion: 43 Resp: 352471
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 89.525 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 84 Resp: 620625
Ion Ratio Lower Upper
84 100
49 119.1 84.8 157.4
86 63.9 44.0 81.6

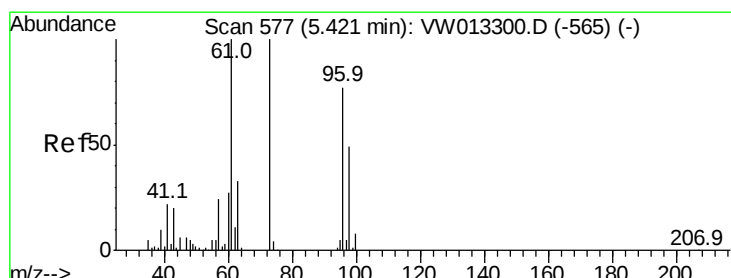
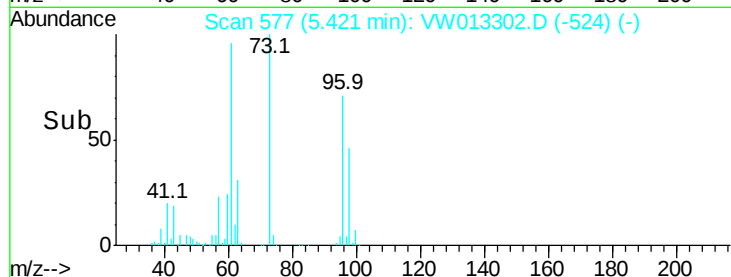
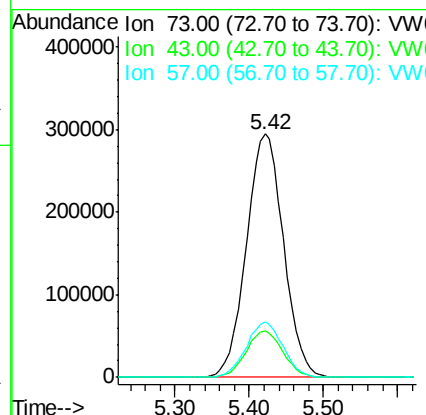
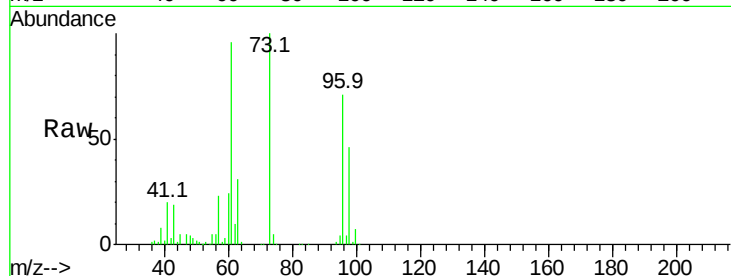




#17
Methyl tert-butyl Ether
Concen: 97.761 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

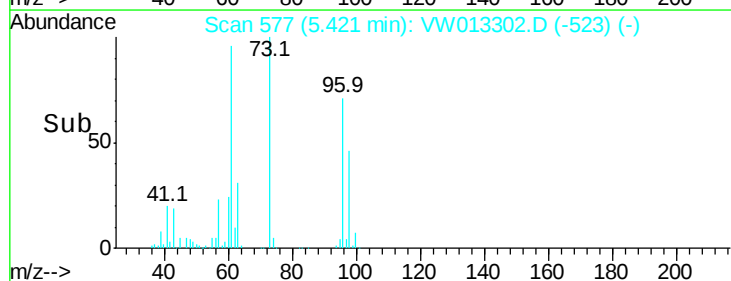
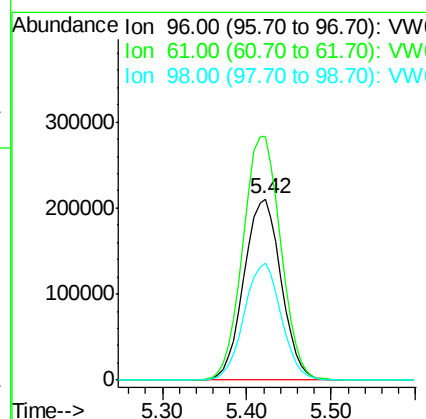
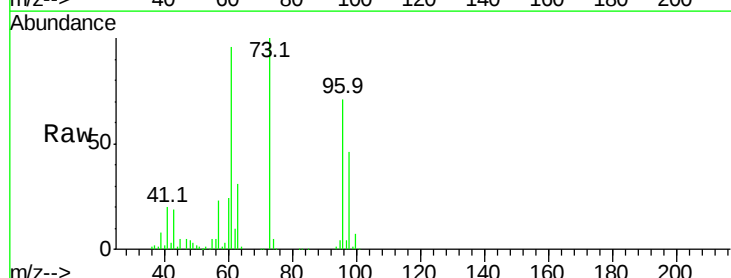
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

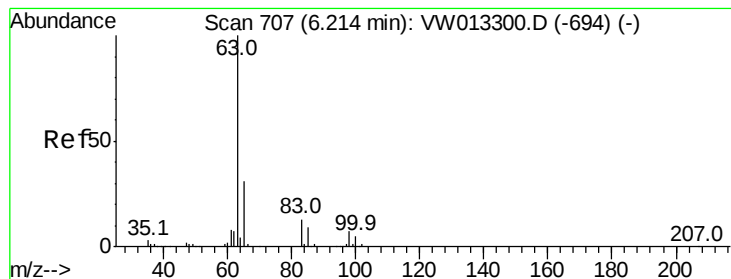
Tgt Ion: 73 Resp: 1029871
Ion Ratio Lower Upper
73 100
43 19.0 15.3 22.9
57 22.6 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 97.344 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 96 Resp: 632162
Ion Ratio Lower Upper
96 100
61 134.2 91.2 169.4
98 64.7 44.7 82.9





#19

1,1-Dichloroethane

Concen: 90.131 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

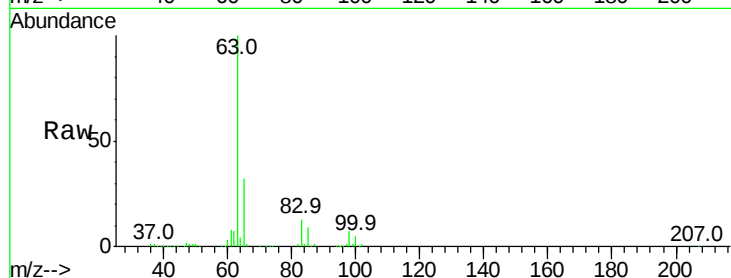
Tgt Ion: 63 Resp: 1109017

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

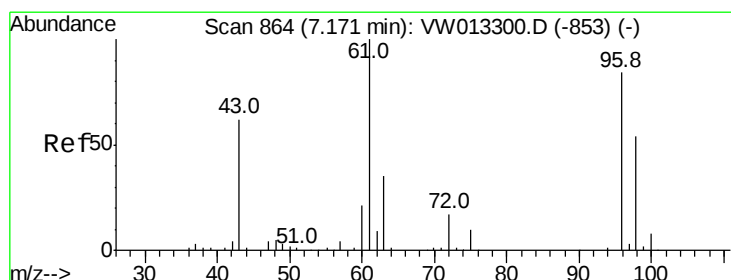
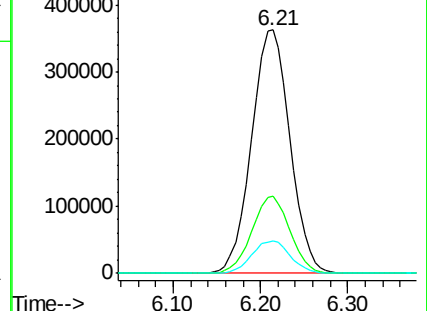
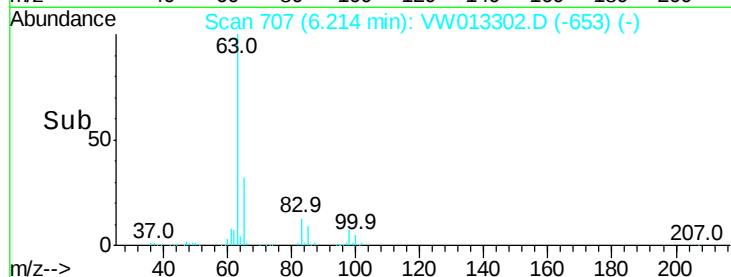
83 13.1 9.3 17.3



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: 227.642 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013302.D

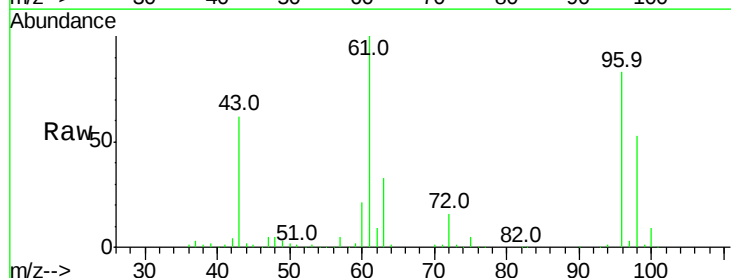
Acq: 26 Sep 2019 12:01

Tgt Ion: 43 Resp: 493502

Ion Ratio Lower Upper

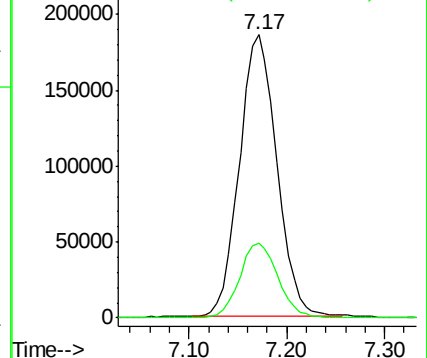
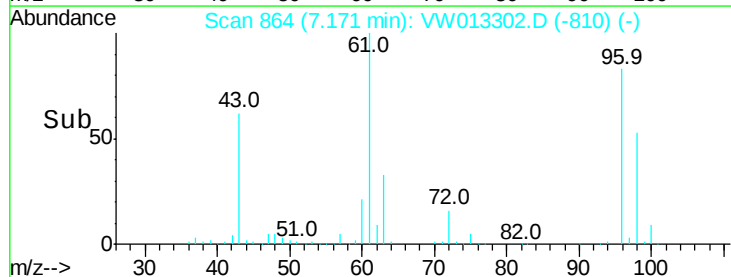
43 100

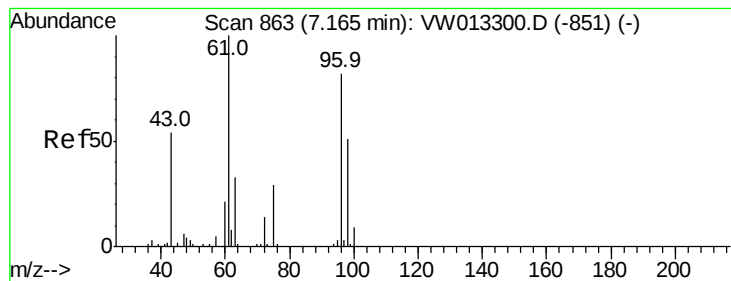
72 27.1 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



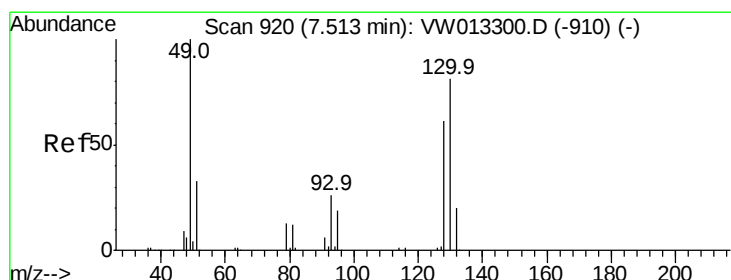
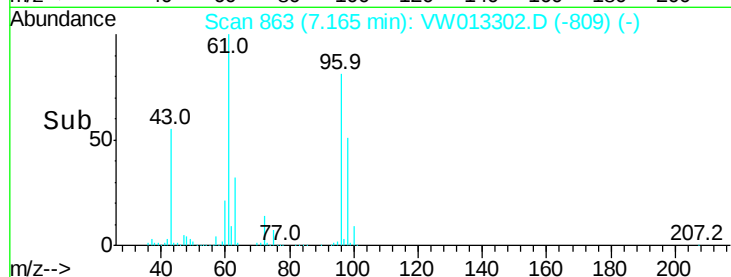
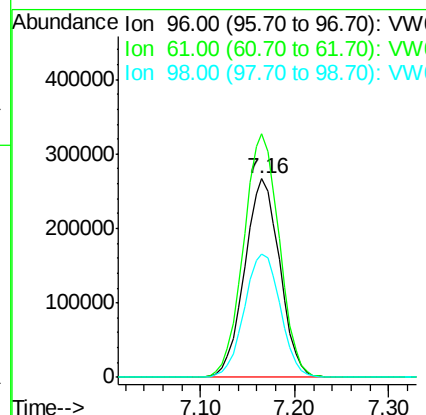
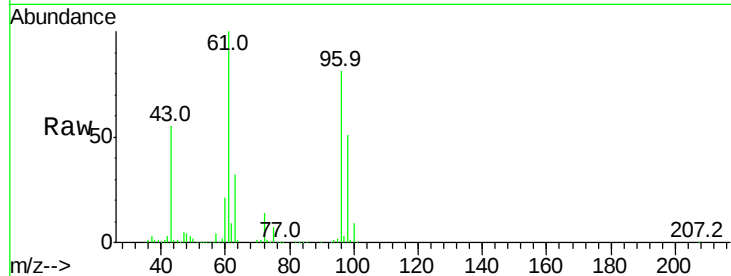


#22

cis-1,2-Dichloroethene
Concen: 100.589 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

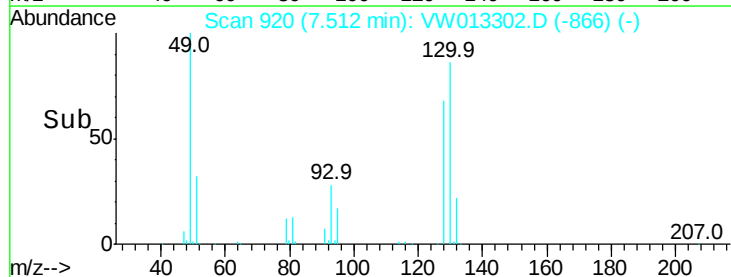
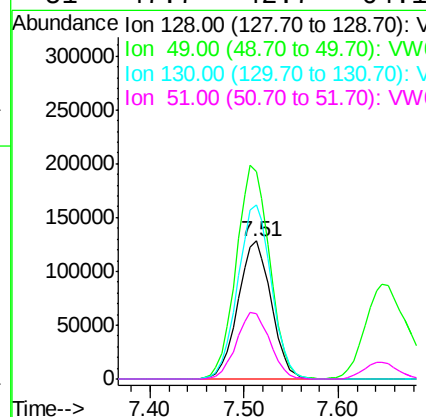
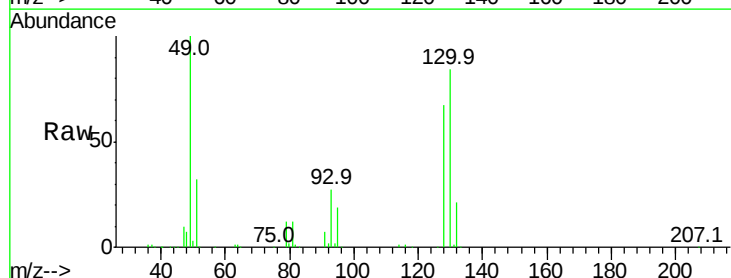
Tgt Ion: 96 Resp: 692944
Ion Ratio Lower Upper
96 100
61 122.8 86.0 159.6
98 62.5 43.5 80.9

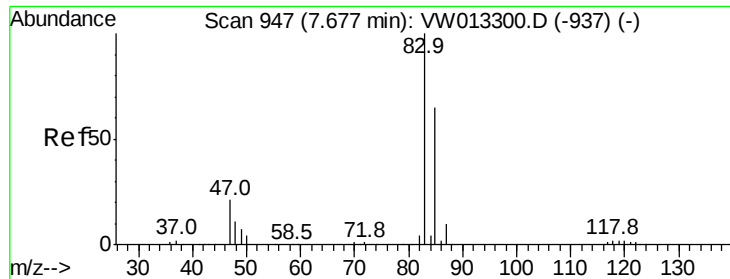


#23

Bromochloromethane
Concen: 105.812 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 128 Resp: 315802
Ion Ratio Lower Upper
128 100
49 150.3 114.6 212.8
130 126.2 92.6 172.0
51 47.7 42.7 64.1

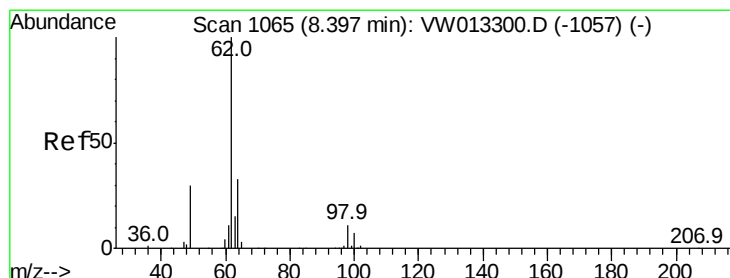
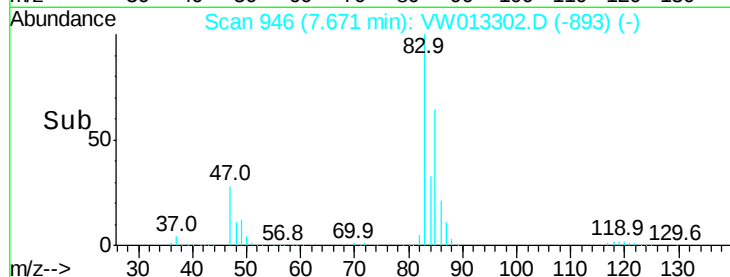
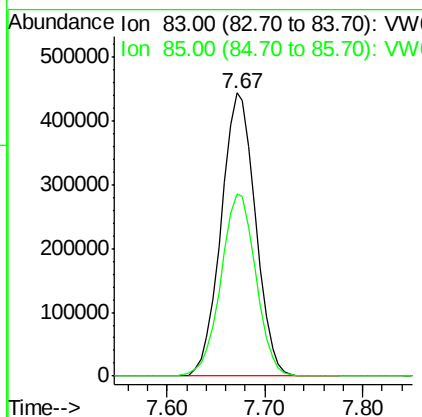
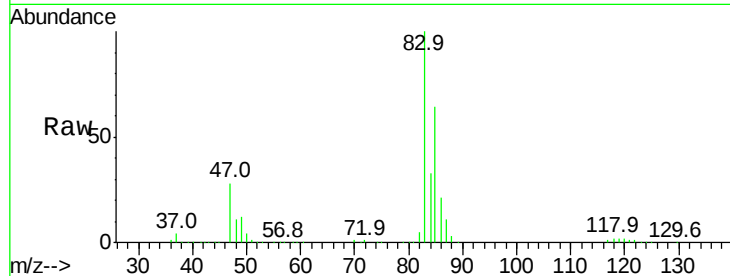




#25
Chloroform
Concen: 87.156 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

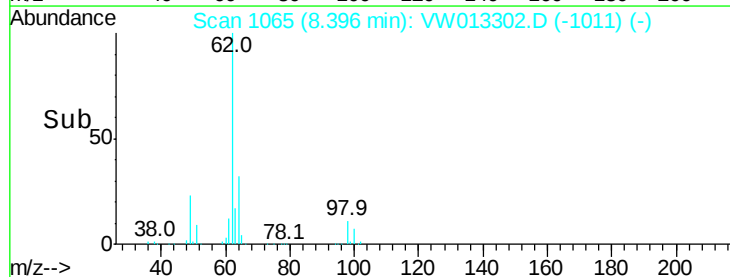
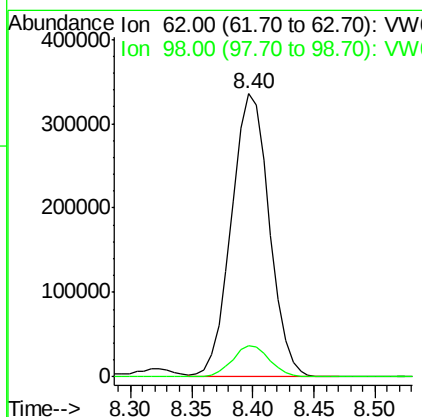
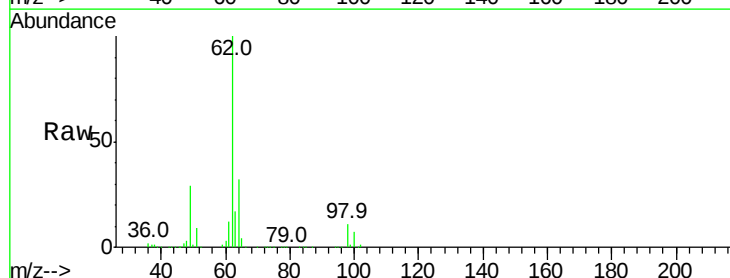
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

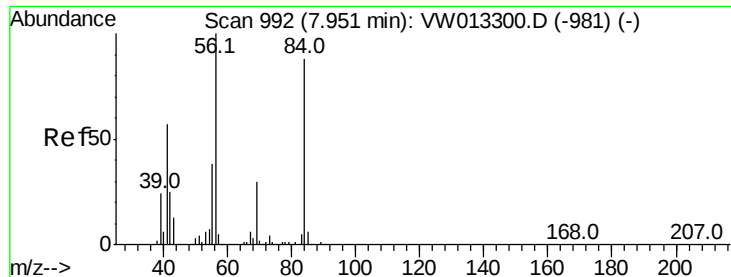
Tgt Ion: 83 Resp: 1079892
Ion Ratio Lower Upper
83 100
85 65.5 45.9 85.3



#27
1,2-Dichloroethane
Concen: 86.239 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 62 Resp: 722105
Ion Ratio Lower Upper
62 100
98 10.9 9.0 13.6

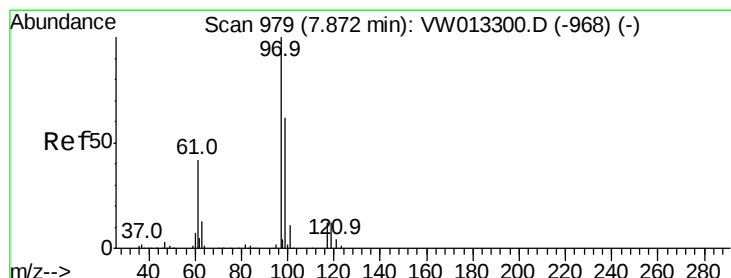
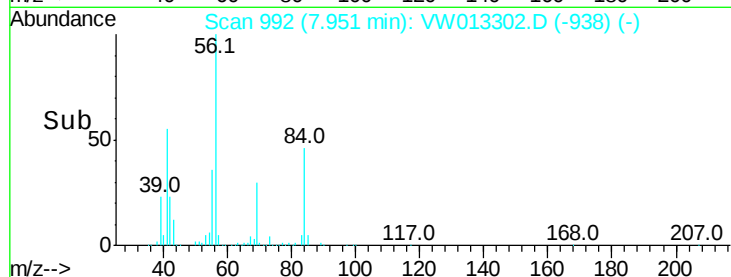
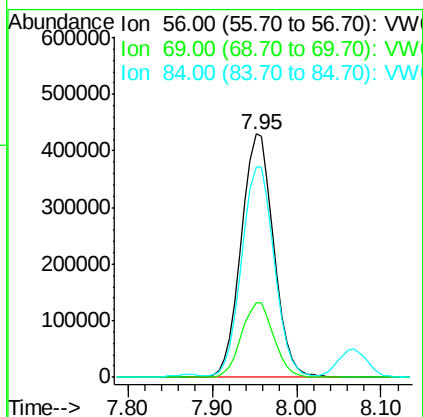
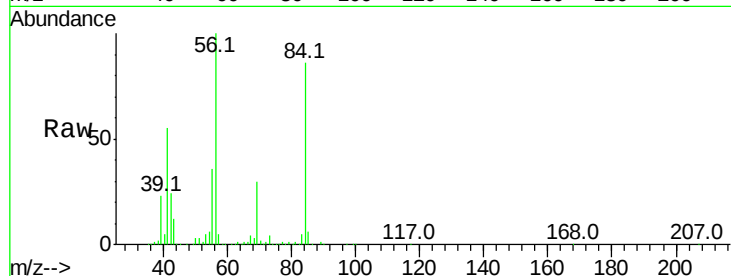




#30
Cyclohexane
Concen: 92.577 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

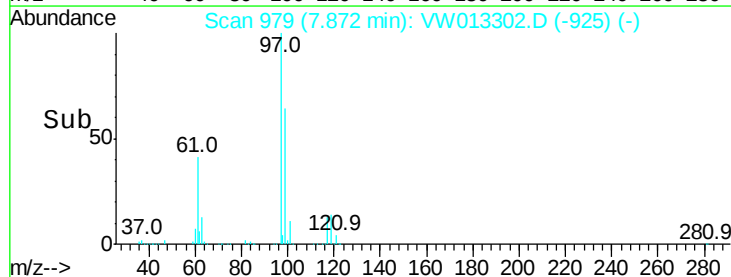
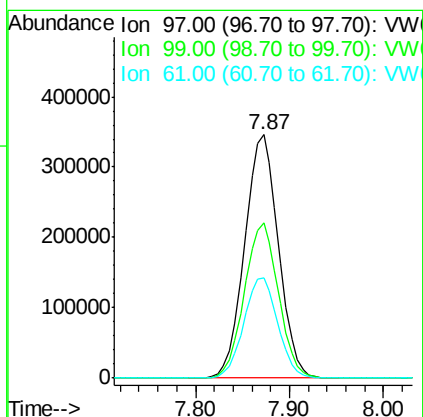
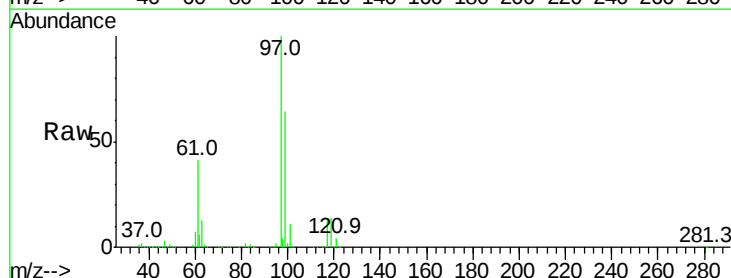
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

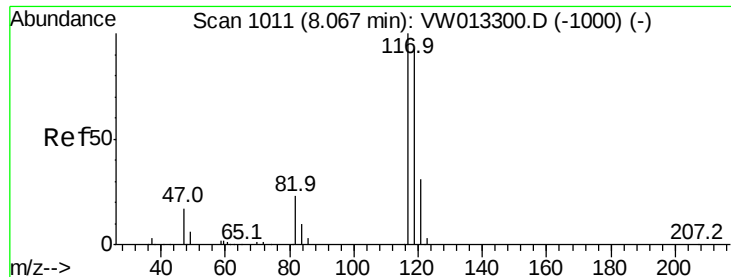
Tgt Ion: 56 Resp: 1121018
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 87.2 69.5 104.3



#31
1,1,1-Trichloroethane
Concen: 83.932 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013302.D
Acq: 26 Sep 2019 12:01

Tgt Ion: 97 Resp: 869182
Ion Ratio Lower Upper
97 100
99 64.2 50.6 75.8
61 41.8 34.2 51.2





#32

Carbon tetrachloride

Concen: 87.255 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

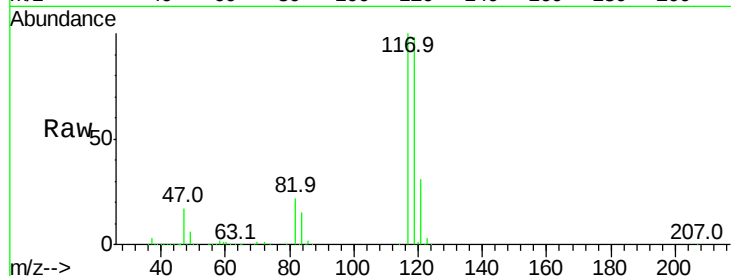
VSTD10005

Tgt Ion:117 Resp: 843712

Ion Ratio Lower Upper

117 100

119 96.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

400000

300000

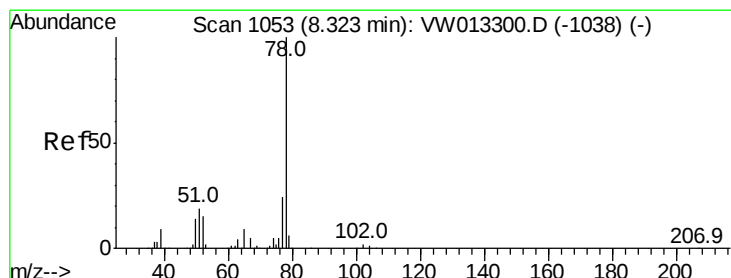
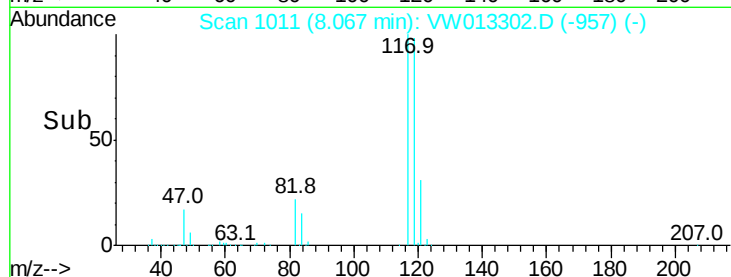
200000

100000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 91.846 ug/L

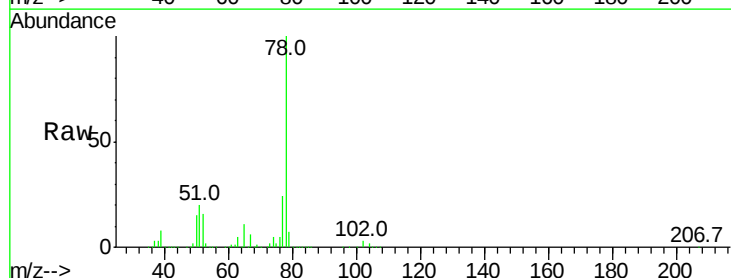
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Tgt Ion: 78 Resp: 2509260



Abundance Ion 78.00 (77.70 to 78.70): VW

1200000

1000000

800000

600000

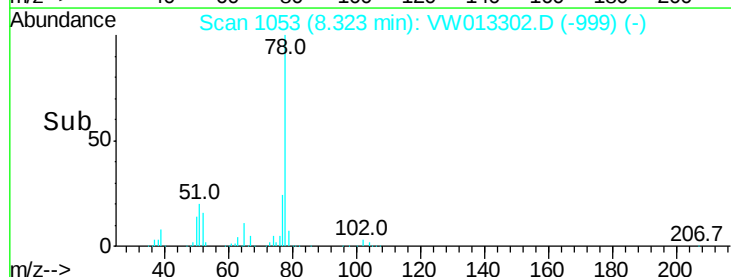
400000

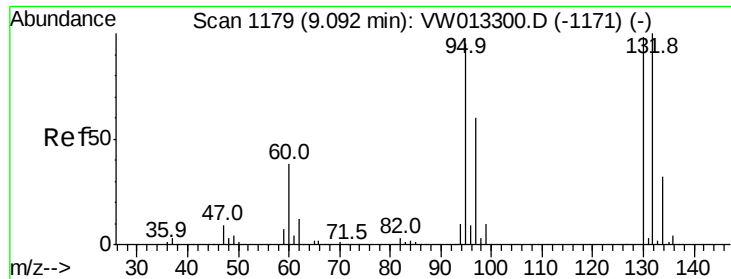
200000

0

8.20 8.30 8.40

Time-->

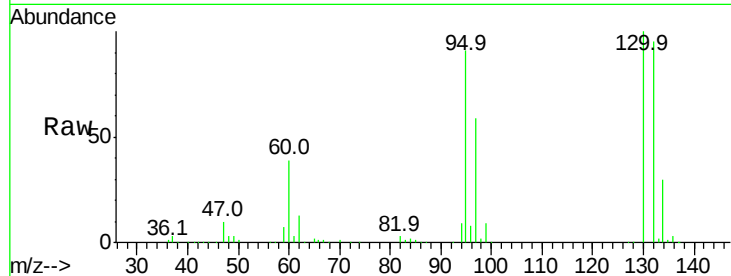




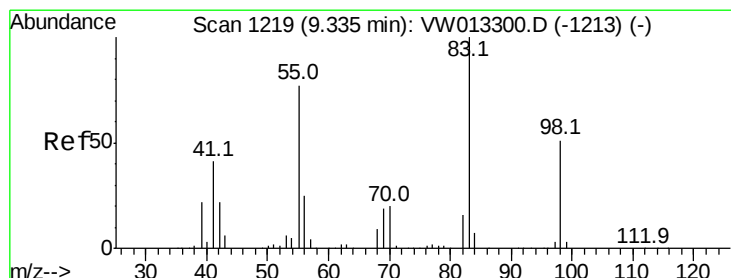
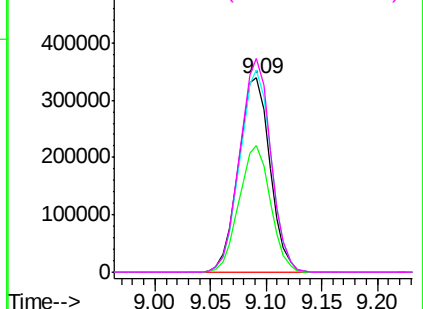
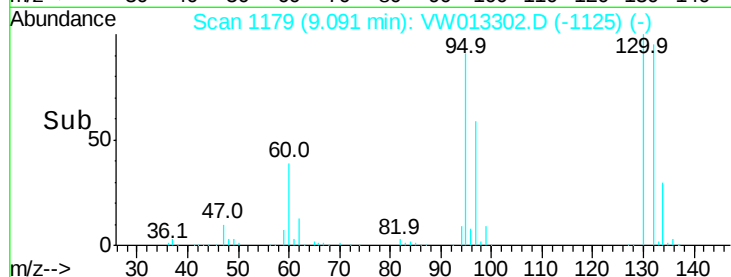
#35
 Trichloroethene
 Concen: 92.286 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion: 95 Resp: 665397
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.3 82.3
 132 103.6 71.7 133.3
 130 108.5 74.1 137.7

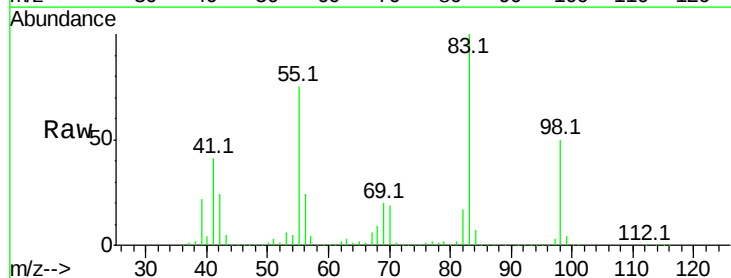


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

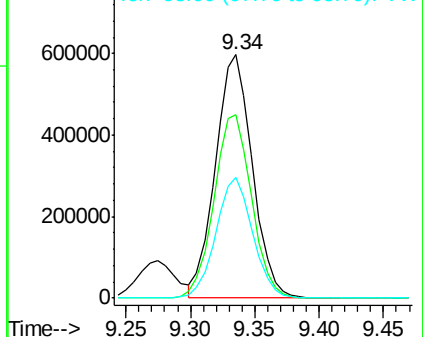
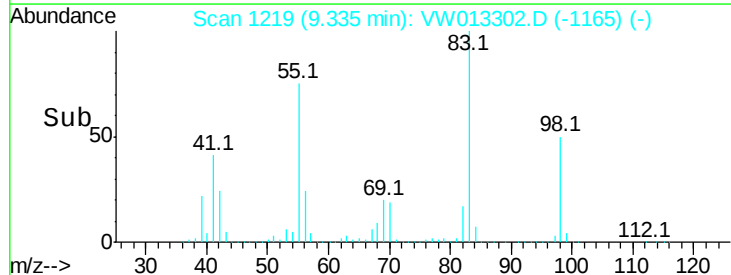


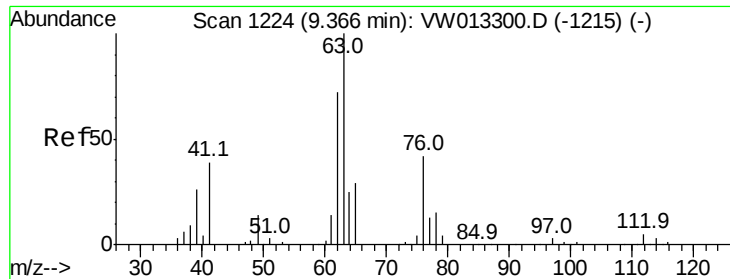
#36
 Methylcyclohexane
 Concen: 96.054 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Tgt Ion: 83 Resp: 1197619
 Ion Ratio Lower Upper
 83 100
 55 76.6 61.8 92.6
 98 49.7 39.6 59.4



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

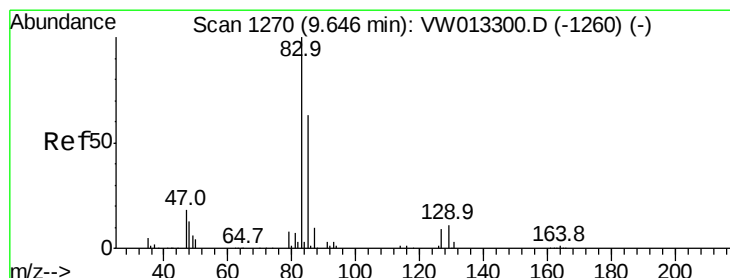
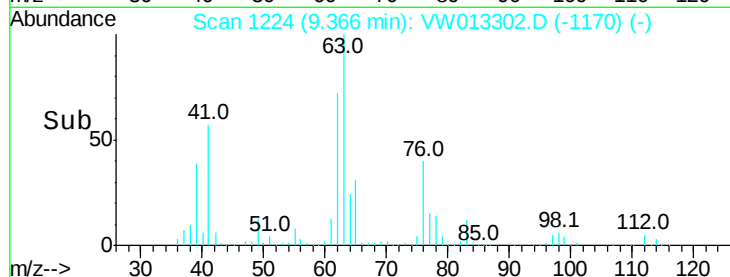
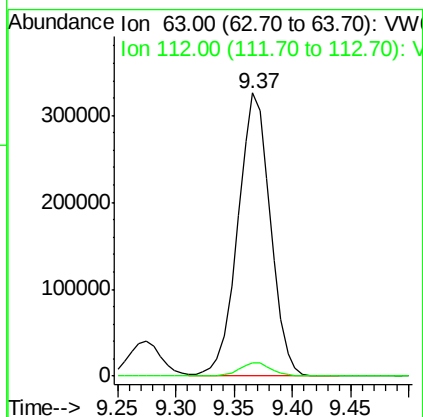
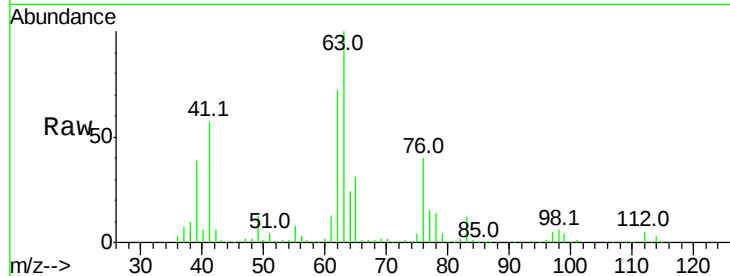




#40
 1,2-Dichloropropane
 Concen: 92.444 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

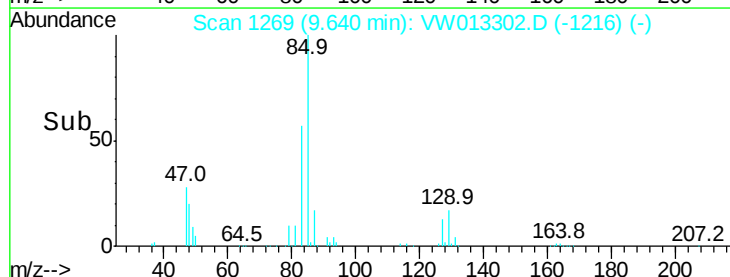
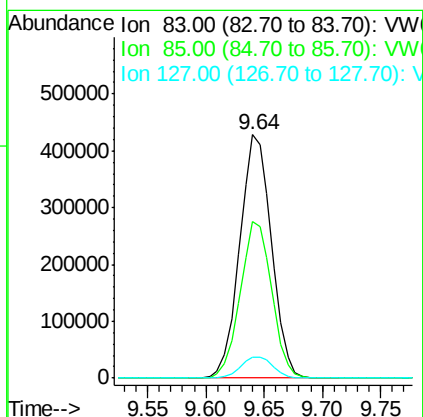
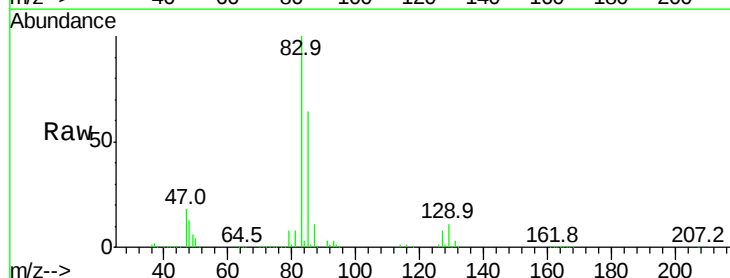
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

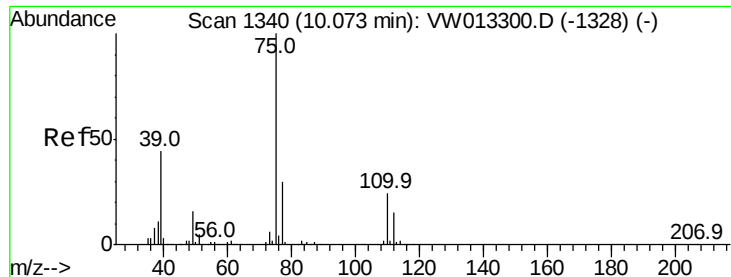
Tgt Ion: 63 Resp: 635286
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.1 6.1



#41
 Bromodichloromethane
 Concen: 92.966 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Tgt Ion: 83 Resp: 813875
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.8 81.4
 127 8.4 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 99.969 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

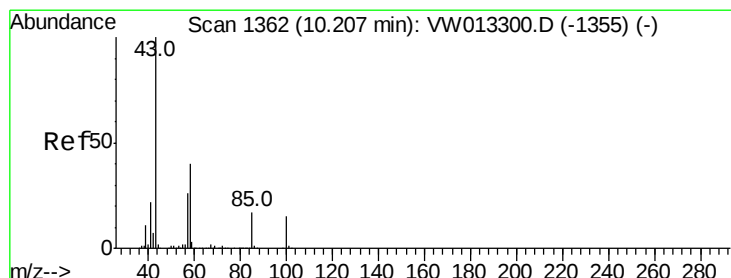
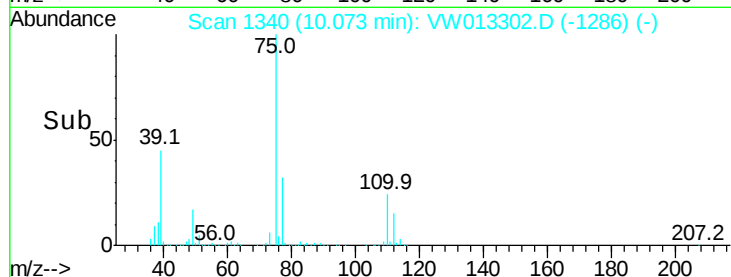
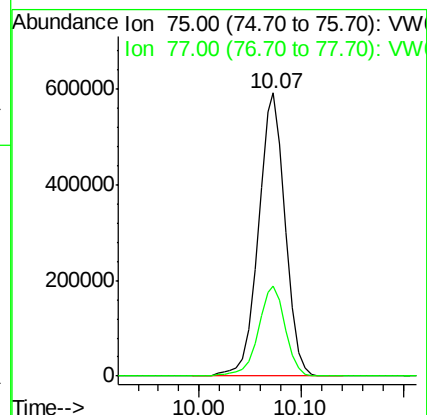
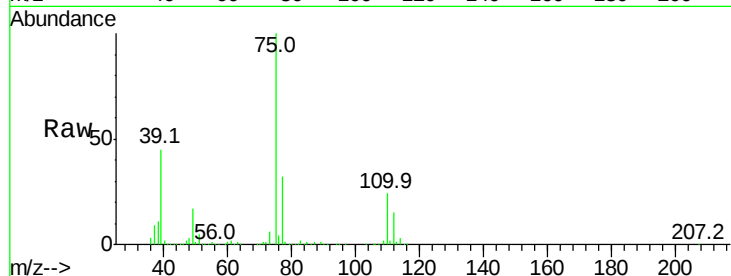
VSTD10005

Tgt Ion: 75 Resp: 1079368

Ion Ratio Lower Upper

75 100

77 31.7 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 232.177 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

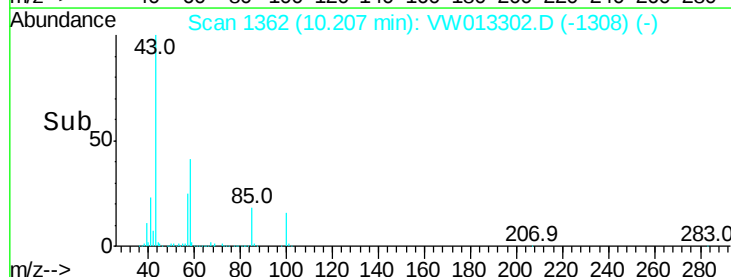
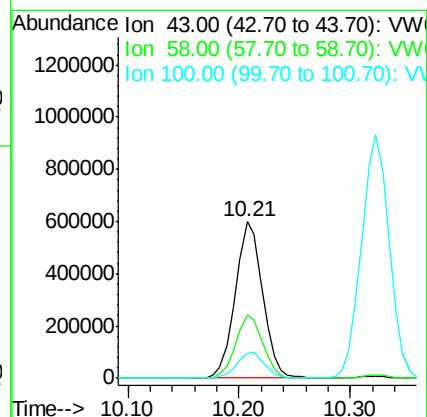
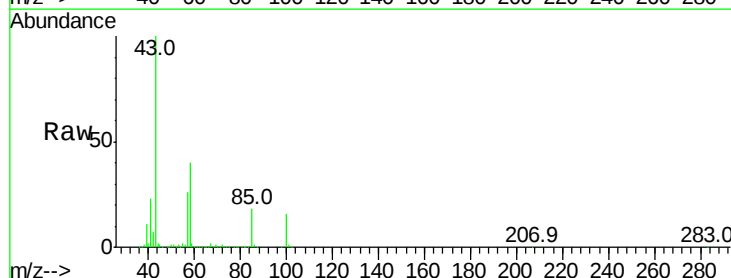
Tgt Ion: 43 Resp: 1015017

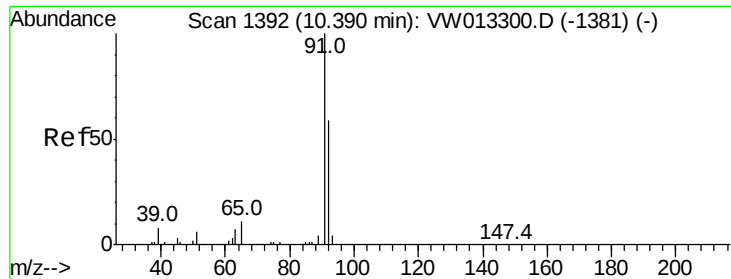
Ion Ratio Lower Upper

43 100

58 40.4 32.7 49.1

100 16.7 12.9 19.3





#44

Toluene

Concen: 94.352 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

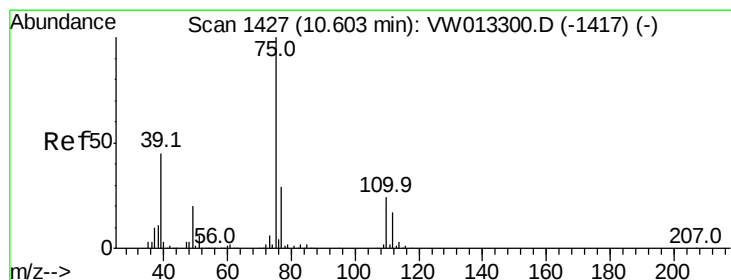
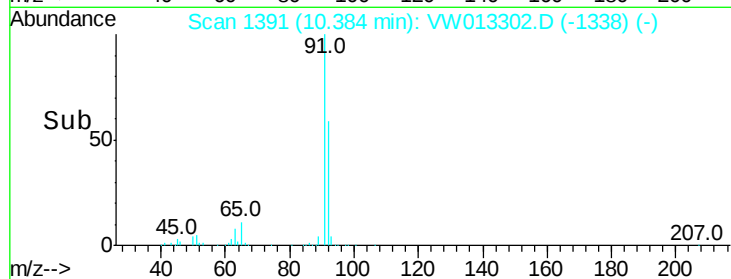
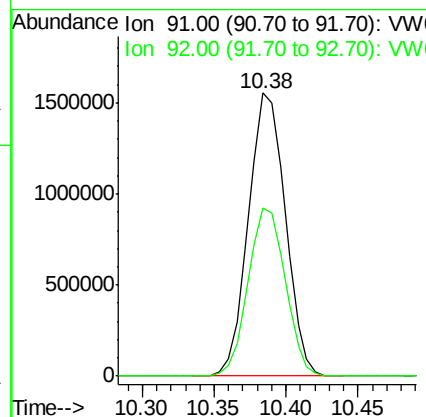
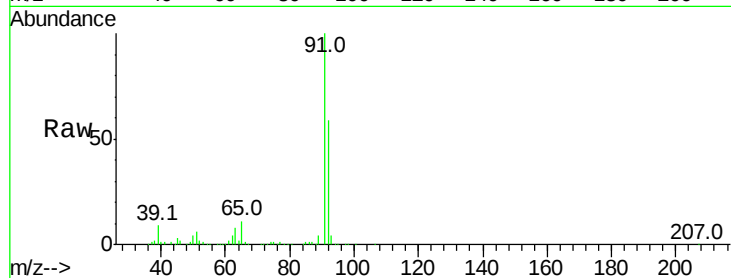
VSTD10005

Tgt Ion: 91 Resp: 2758216

Ion Ratio Lower Upper

91 100

92 59.4 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 100.854 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013302.D

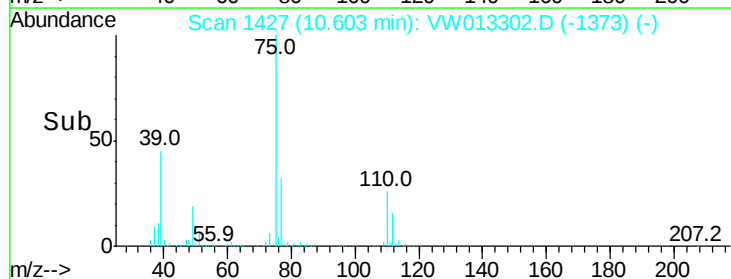
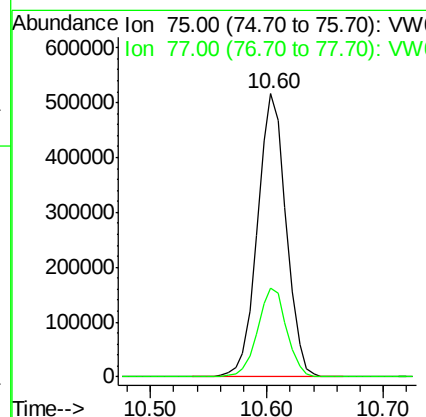
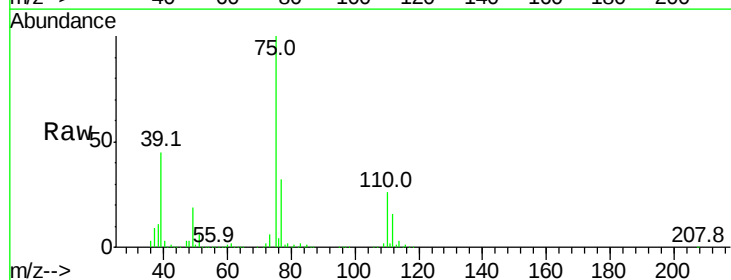
Acq: 26 Sep 2019 12:01

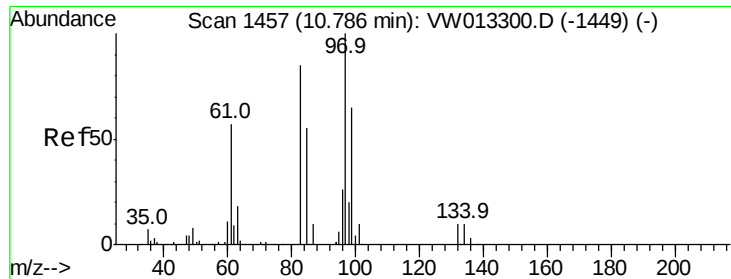
Tgt Ion: 75 Resp: 882635

Ion Ratio Lower Upper

75 100

77 31.6 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 108.759 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 97 Resp: 502608

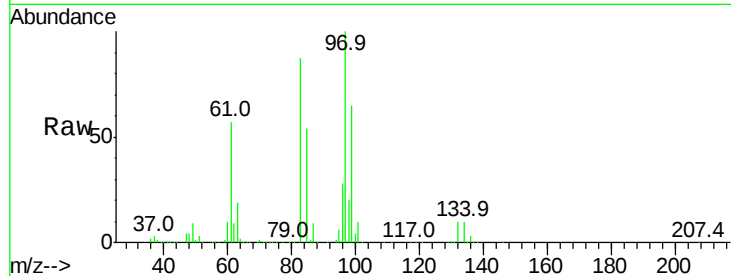
Ion Ratio Lower Upper

97 100

83 86.7 59.4 110.2

85 54.3 38.7 71.9

99 64.8 45.8 85.0

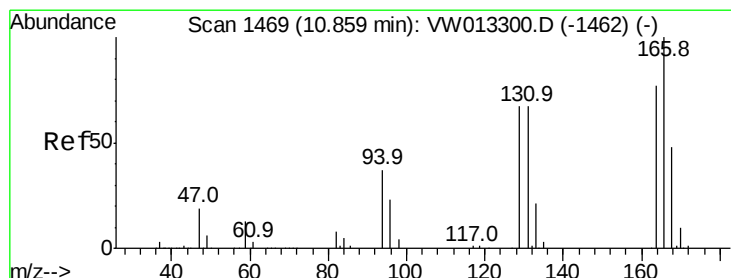
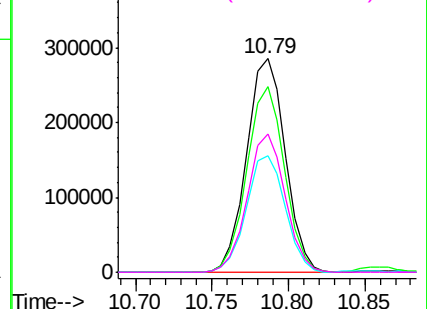
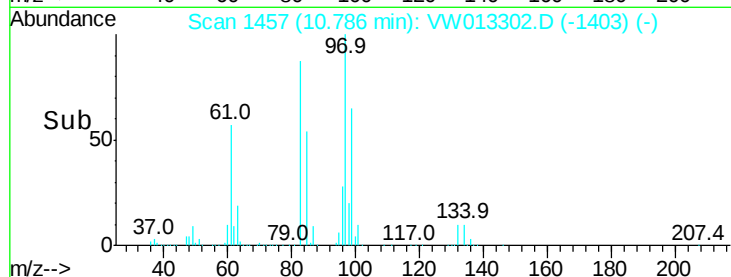


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 95.892 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Tgt Ion: 164 Resp: 595347

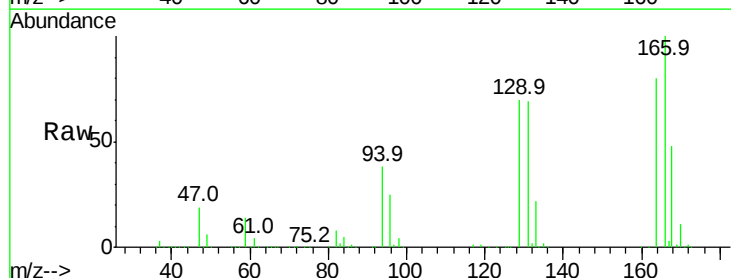
Ion Ratio Lower Upper

164 100

129 87.4 60.5 112.5

131 85.8 60.6 112.6

166 125.0 90.6 168.2

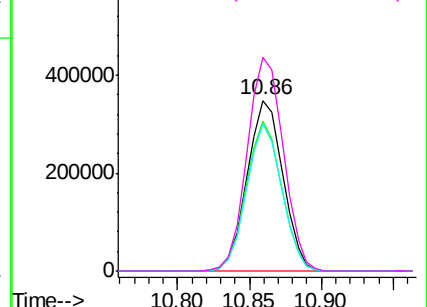
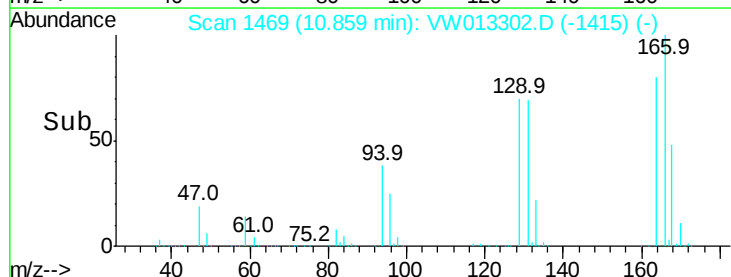


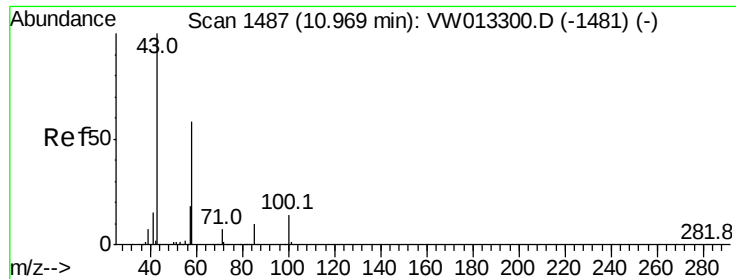
Abundance Ion 164.00 (163.70 to 164.70): V

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: 229.289 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 43 Resp: 740950

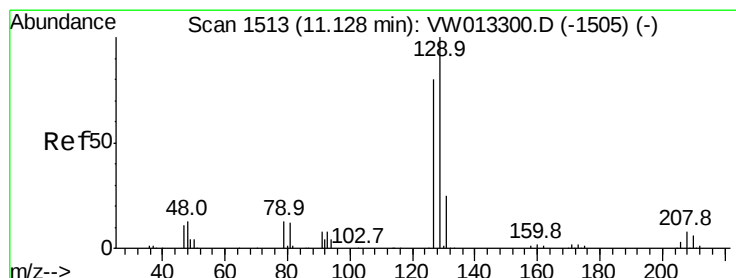
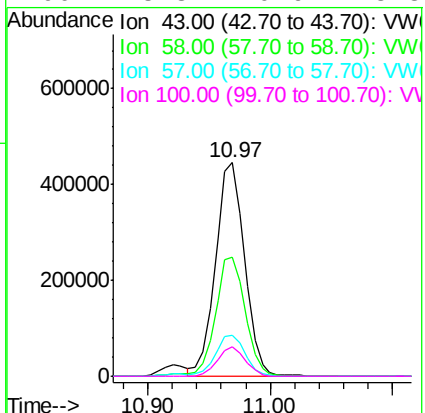
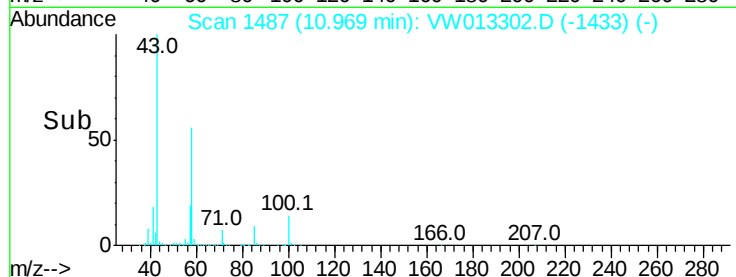
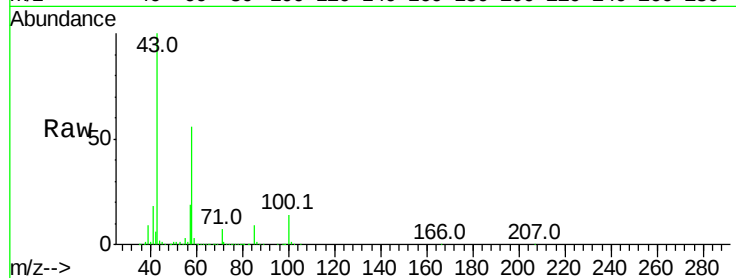
Ion Ratio Lower Upper

43 100

58 56.8 44.3 66.5

57 19.4 15.3 22.9

100 13.3 10.6 15.8



#50

Dibromochloromethane

Concen: 108.973 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013302.D

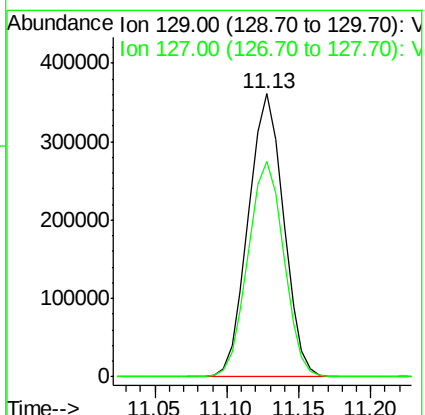
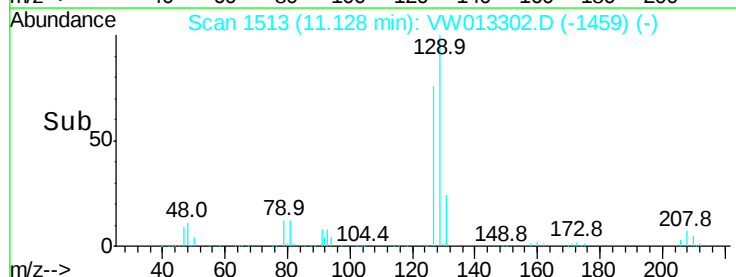
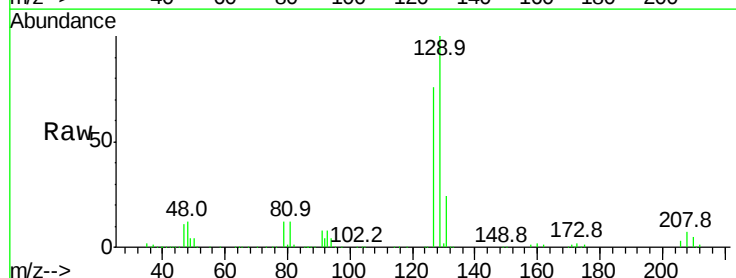
Acq: 26 Sep 2019 12:01

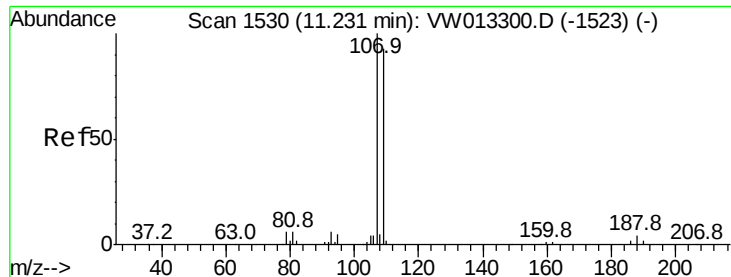
Tgt Ion: 129 Resp: 613325

Ion Ratio Lower Upper

129 100

127 76.1 56.1 104.1





#51

1,2-Dibromoethane

Concen: 112.833 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

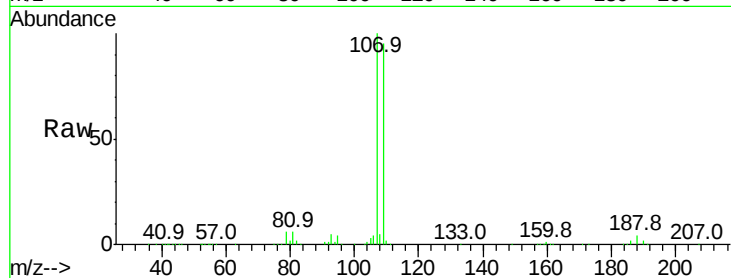
Tgt Ion:107 Resp: 501571

Ion Ratio Lower Upper

107 100

109 94.9 65.5 121.6

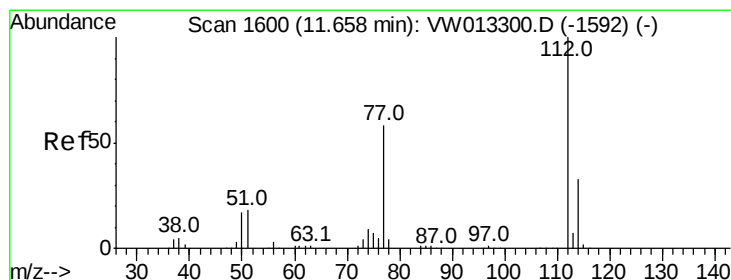
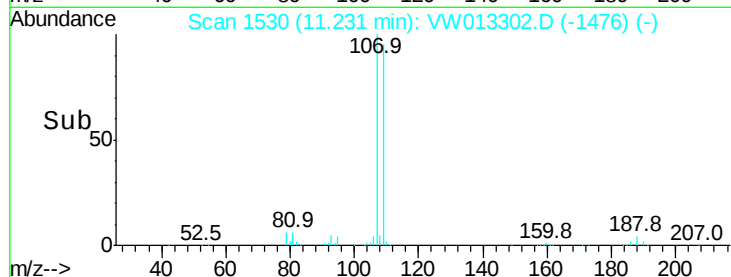
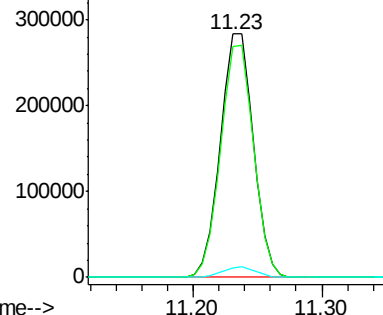
188 4.0 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 96.071 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

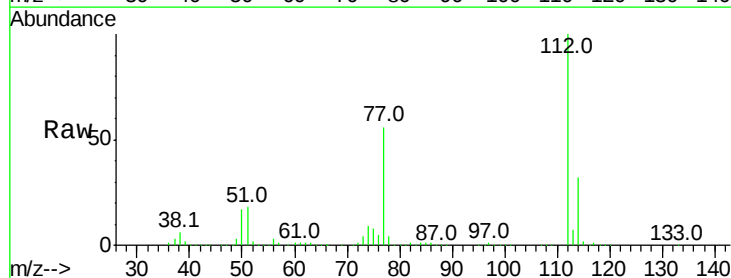
Tgt Ion:112 Resp: 1754725

Ion Ratio Lower Upper

112 100

77 56.4 46.5 69.7

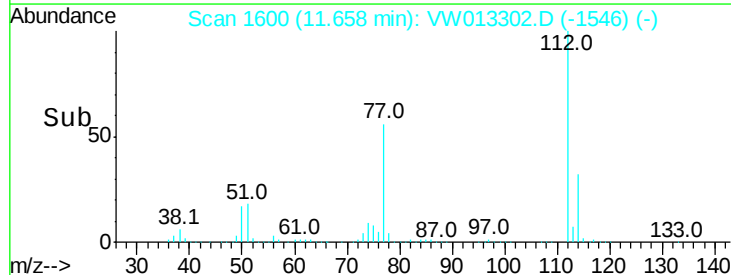
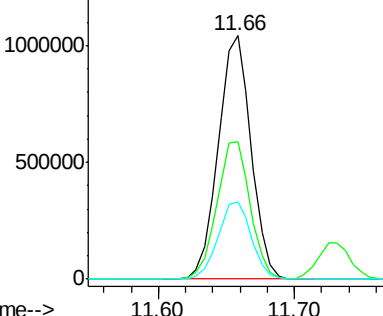
114 31.9 23.0 42.8

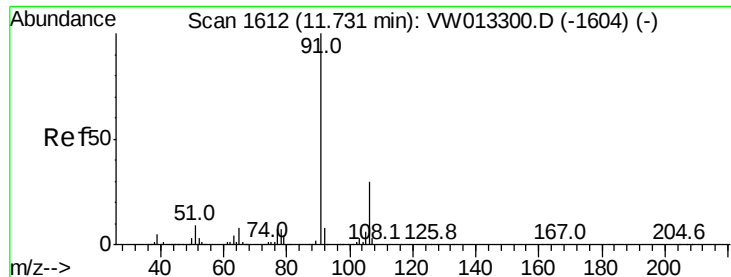


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 93.221 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

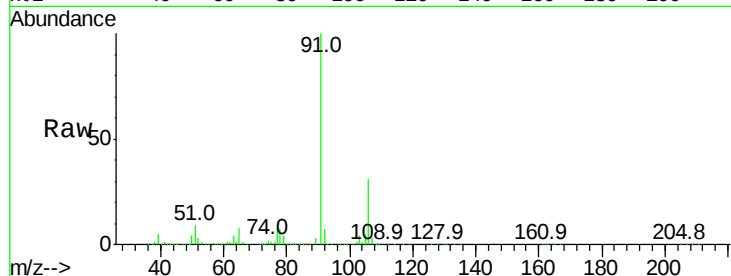
VSTD10005

Tgt Ion: 91 Resp: 3092850

Ion Ratio Lower Upper

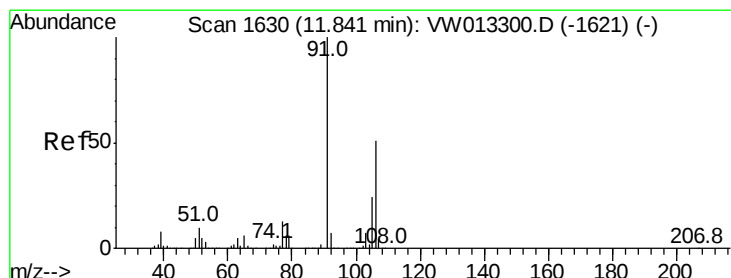
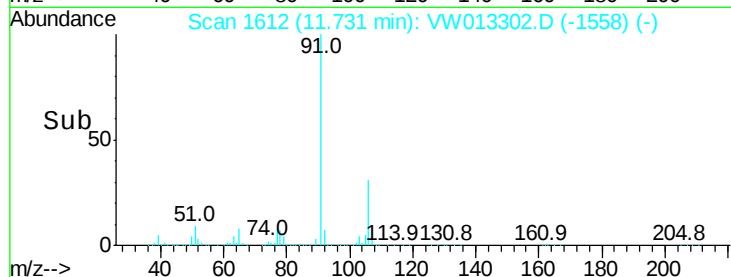
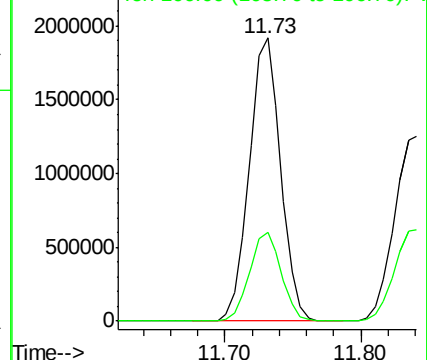
91 100

106 31.4 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 95.772 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013302.D

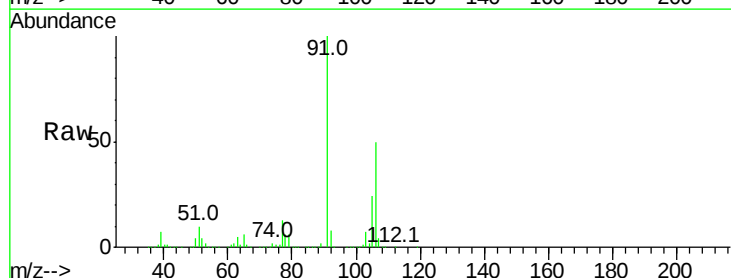
Acq: 26 Sep 2019 12:01

Tgt Ion: 106 Resp: 1187994

Ion Ratio Lower Upper

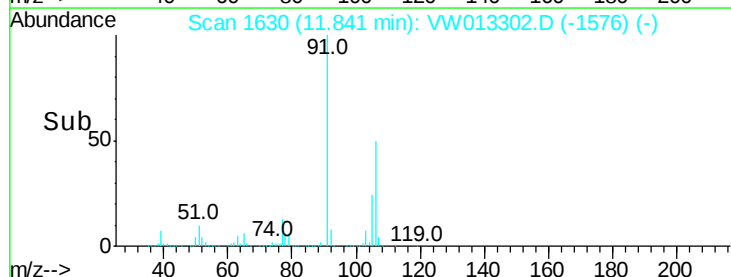
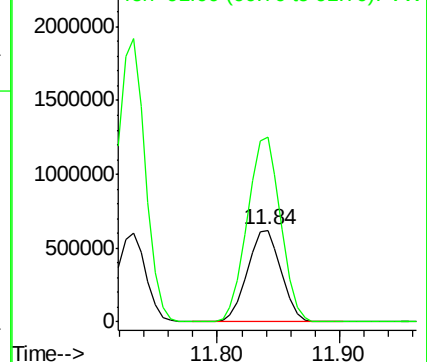
106 100

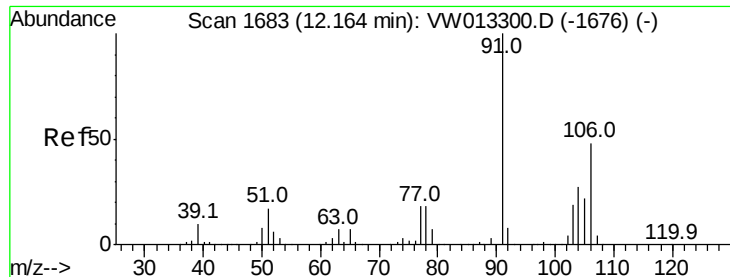
91 201.5 138.3 256.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 97.745 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

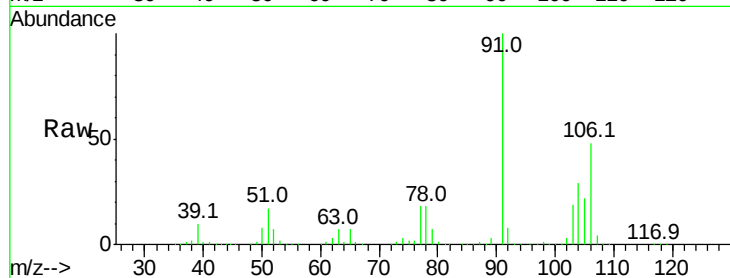
VSTD10005

Tgt Ion:106 Resp: 1140624

Ion Ratio Lower Upper

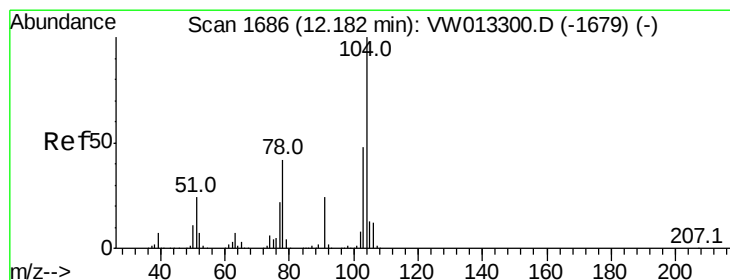
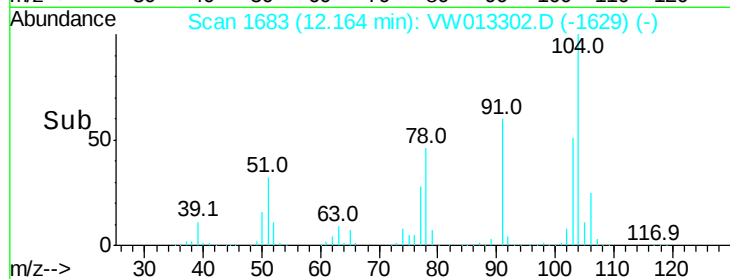
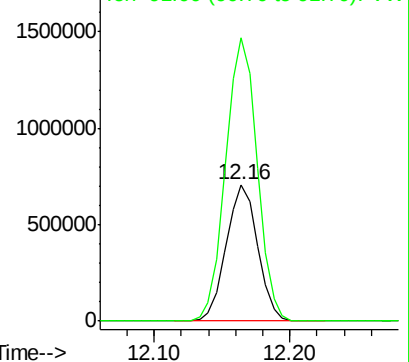
106 100

91 207.2 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 99.537 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013302.D

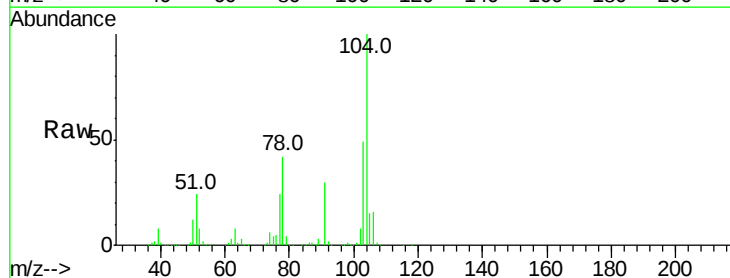
Acq: 26 Sep 2019 12:01

Tgt Ion:104 Resp: 1976447

Ion Ratio Lower Upper

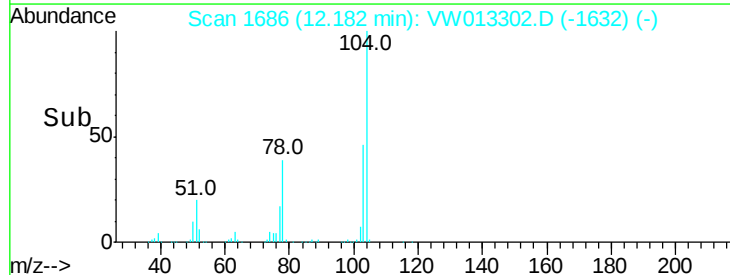
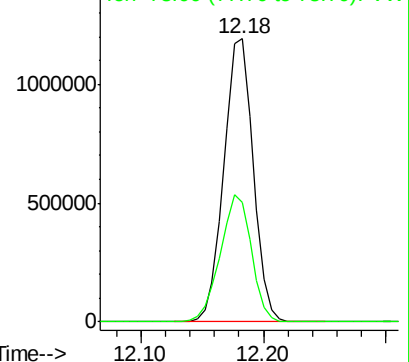
104 100

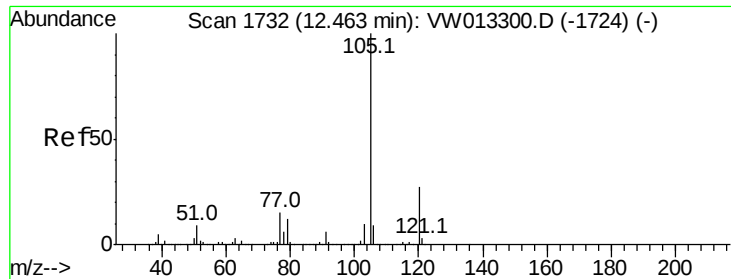
78 42.0 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 95.296 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

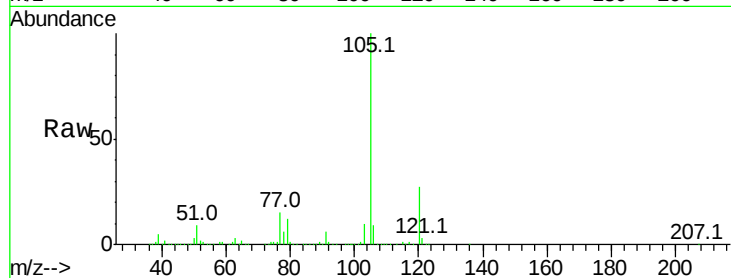
Tgt Ion:105 Resp: 3053774

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

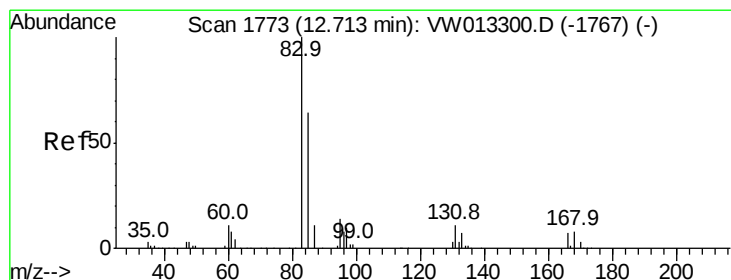
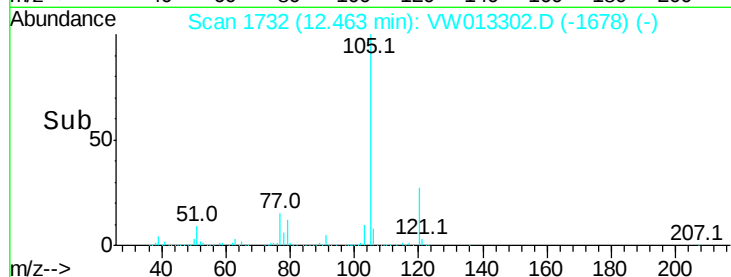
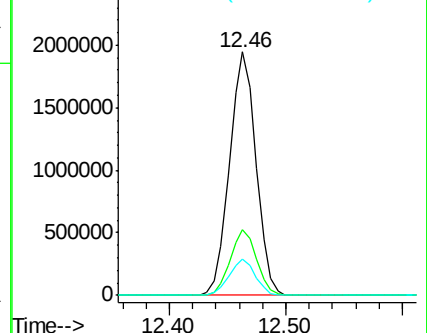
77 14.7 11.8 17.6



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: 119.828 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

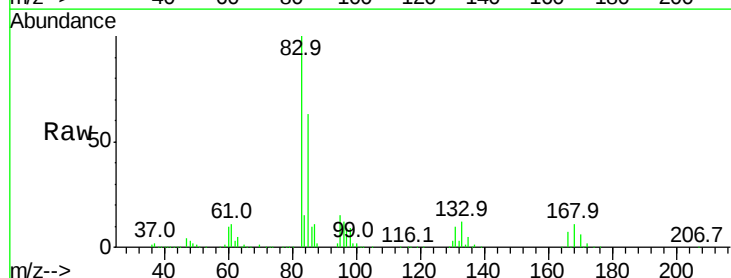
Tgt Ion: 83 Resp: 629844

Ion Ratio Lower Upper

83 100

85 63.0 45.2 84.0

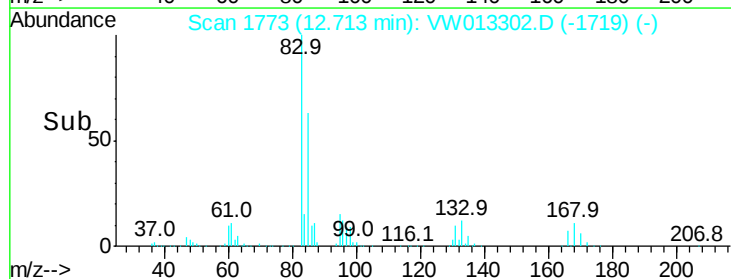
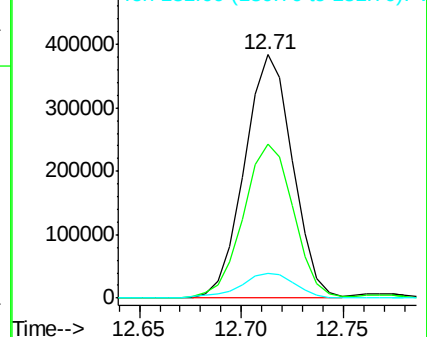
131 10.3 8.9 13.3

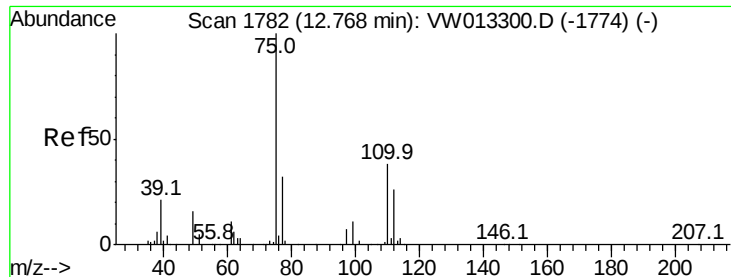


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

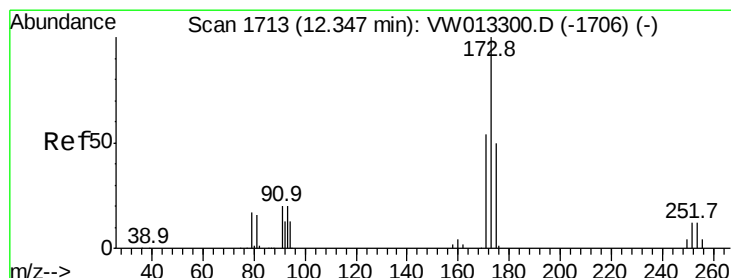
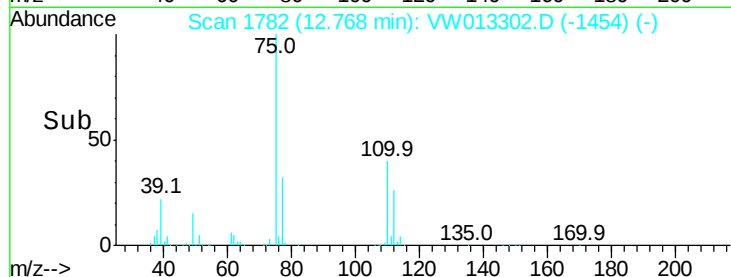
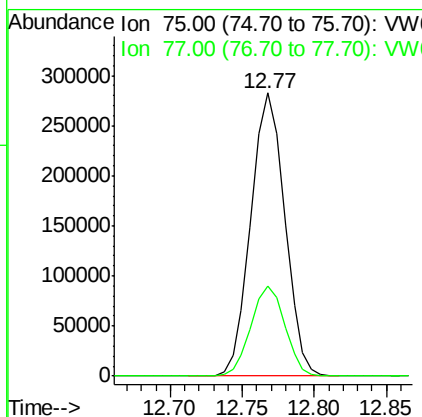
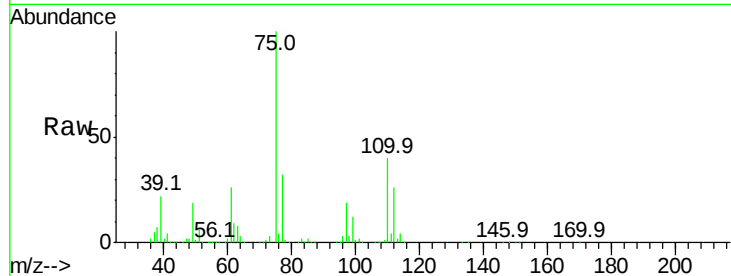




#59
 1,2,3-Trichloropropane
 Concen: 113.744 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

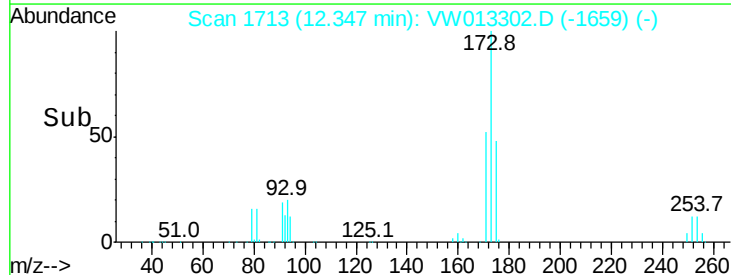
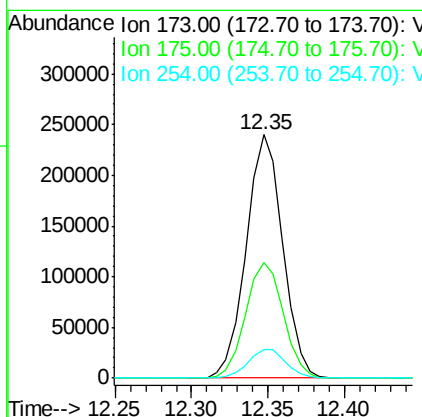
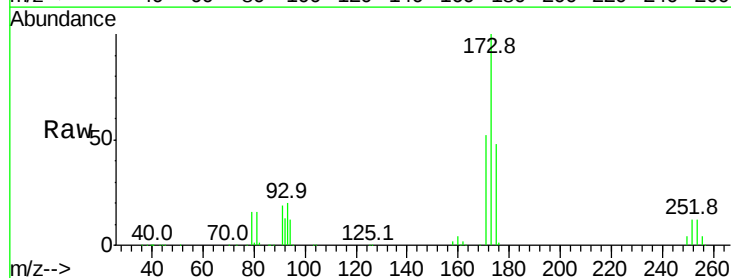
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

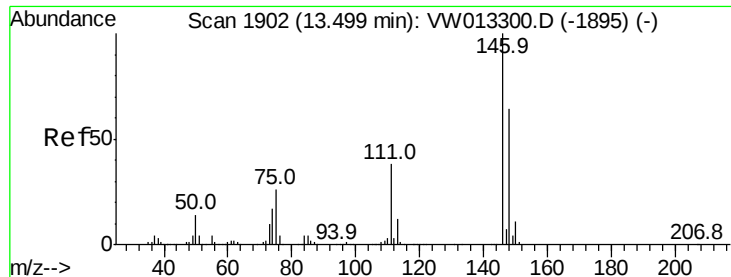
Tgt Ion: 75 Resp: 460711
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#62
 Bromoform
 Concen: 123.711 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Tgt Ion: 173 Resp: 399056
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.3 58.9
 254 12.2 9.1 13.7

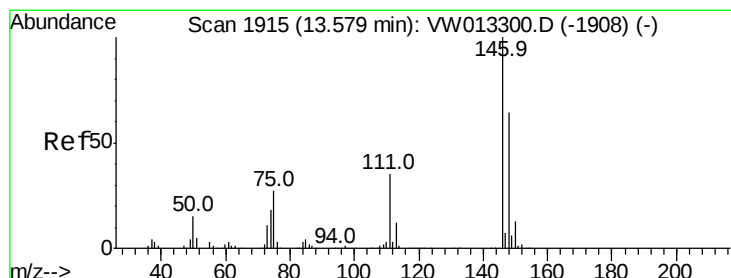
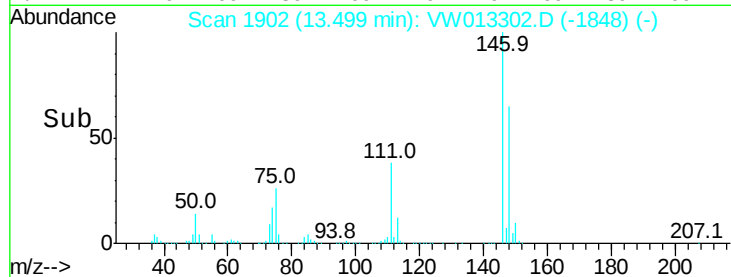
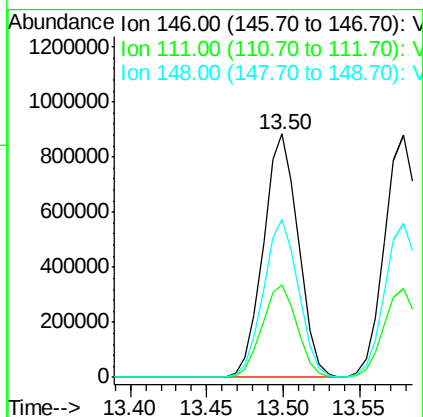
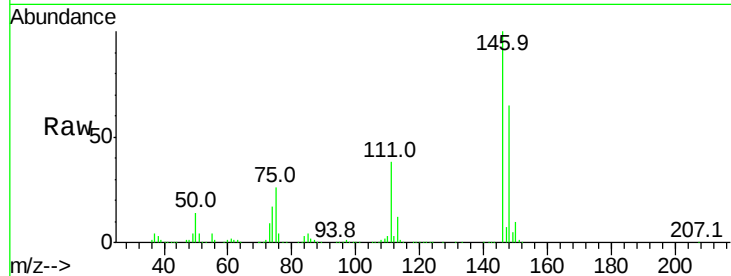




#63
 1,3-Dichlorobenzene
 Concen: 98.707 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

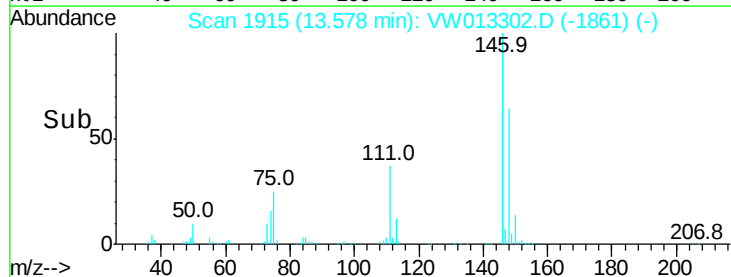
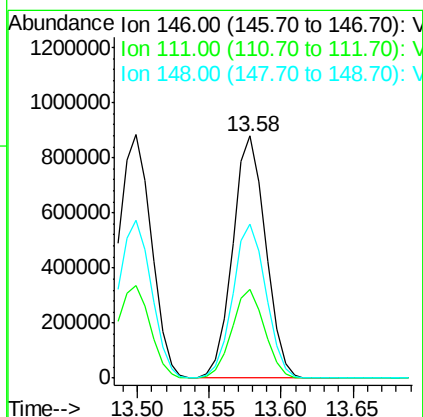
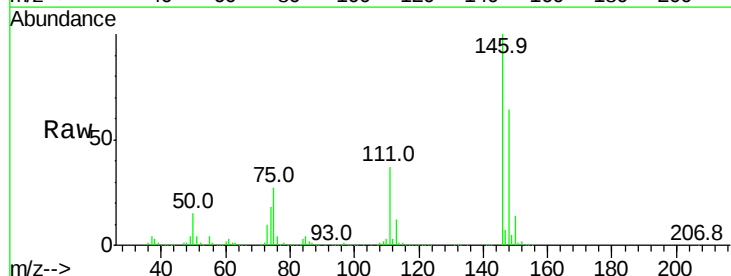
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

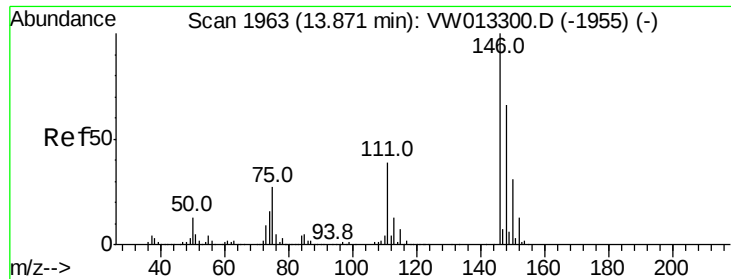
Tgt Ion:146 Resp: 1411279
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.5
 148 64.6 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 98.263 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Tgt Ion:146 Resp: 1401568
 Ion Ratio Lower Upper
 146 100
 111 36.6 24.2 45.0
 148 63.7 45.1 83.7

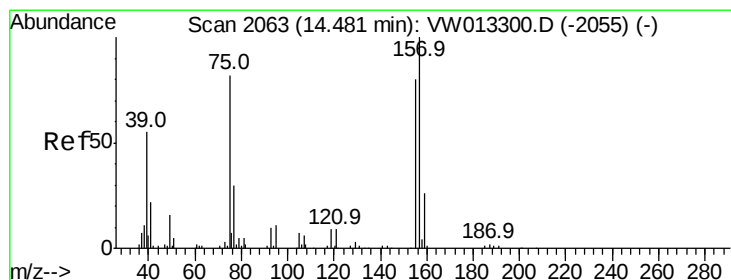
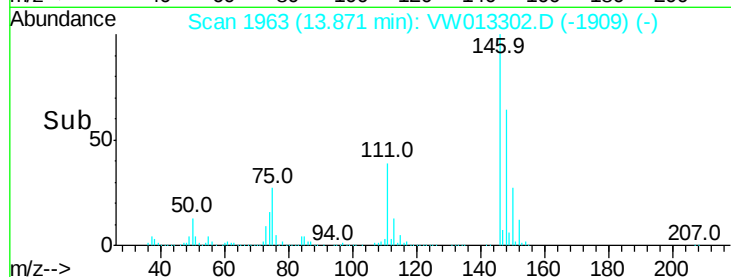
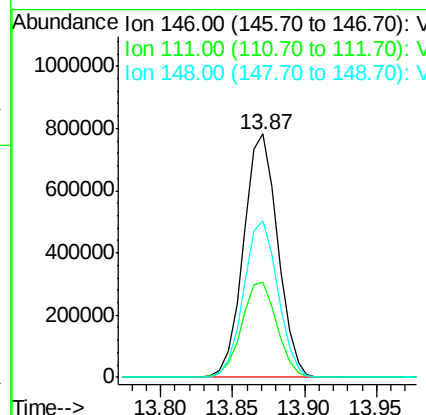
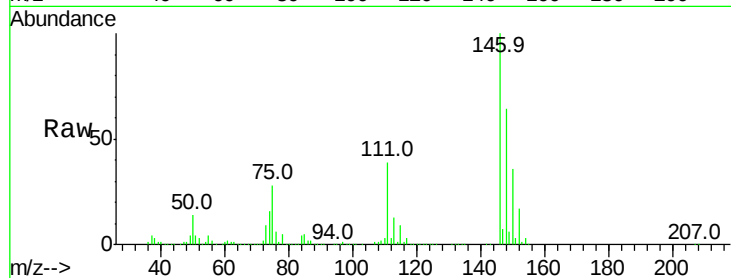




#65
 1,2-Dichlorobenzene
 Concen: 100.165 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

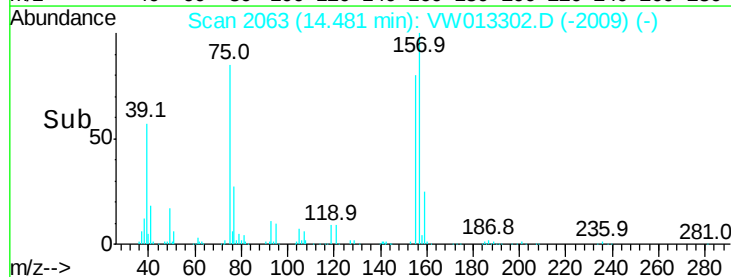
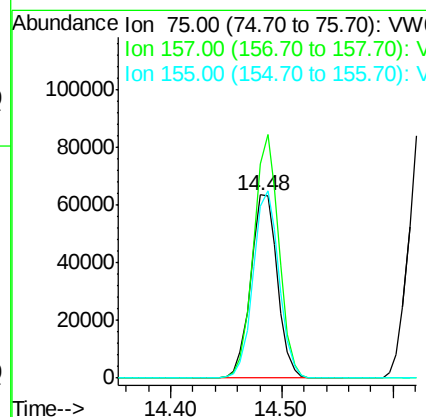
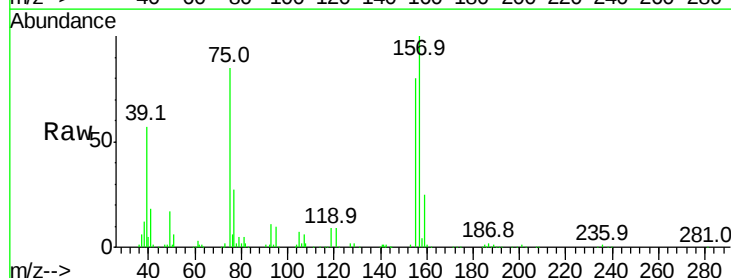
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

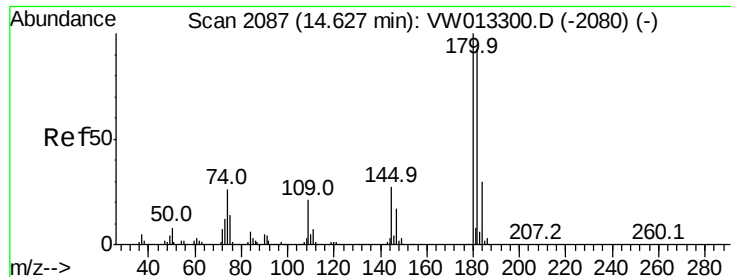
Tgt Ion:146 Resp: 1284284
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.8 46.2
 148 64.1 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 119.099 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Tgt Ion: 75 Resp: 105829
 Ion Ratio Lower Upper
 75 100
 157 117.0 97.8 146.8
 155 93.6 78.4 117.6

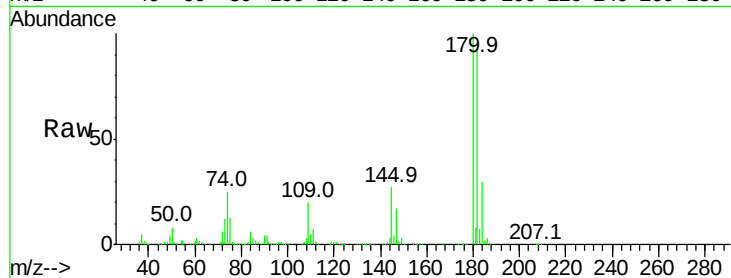




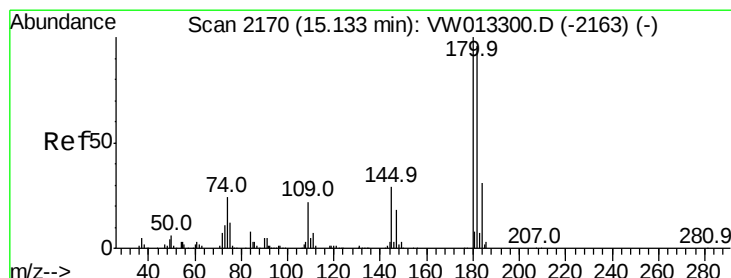
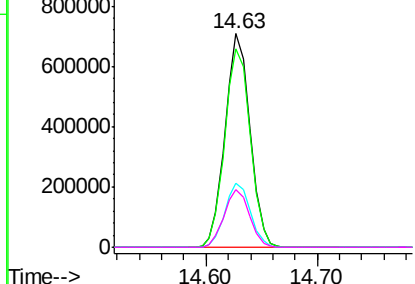
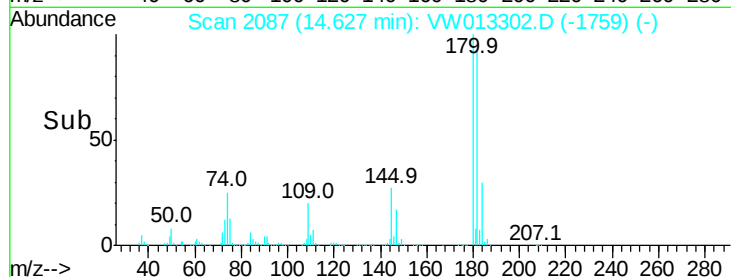
#67
 1,3,5-Trichlorobenzene
 Concen: 99.799 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion:180 Resp: 1097593
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.4 114.6
 184 30.5 23.9 35.9
 145 27.5 21.7 32.5

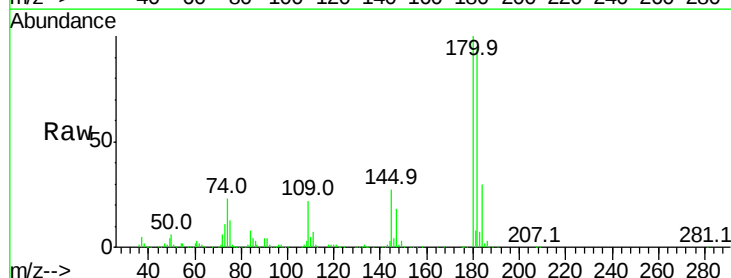


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

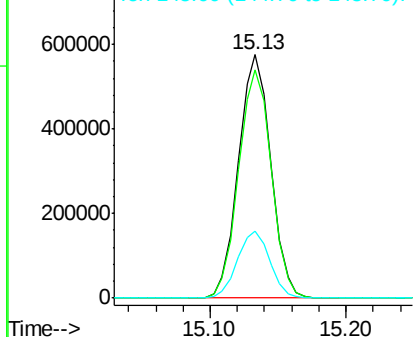
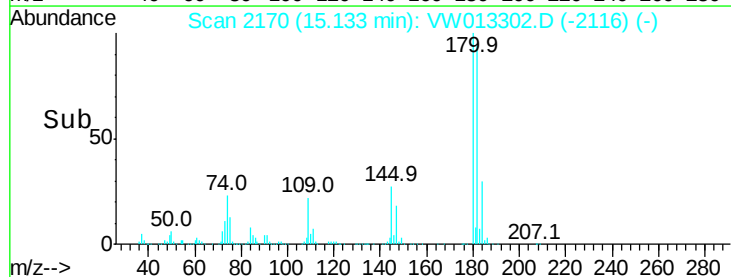


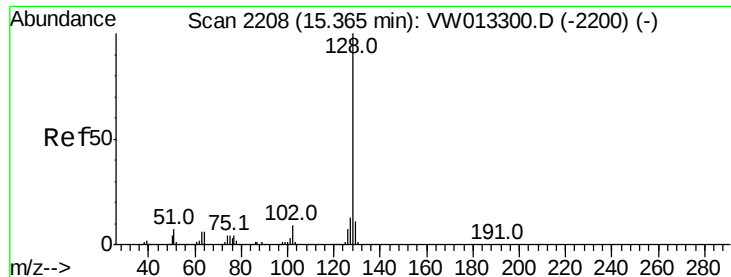
#68
 1,2,4-trichlorobenzene
 Concen: 109.224 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013302.D
 Acq: 26 Sep 2019 12:01

Tgt Ion:180 Resp: 952263
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 145 27.7 23.0 34.4



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: 138.442 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

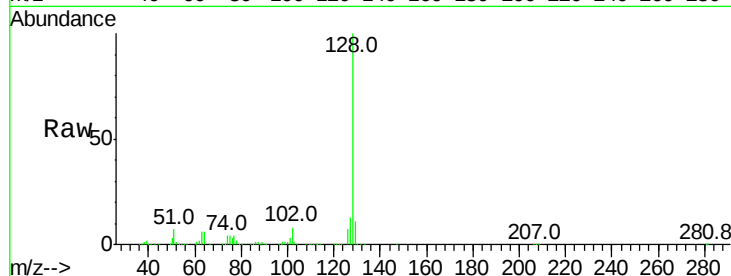
Tgt Ion:128 Resp: 1954795

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

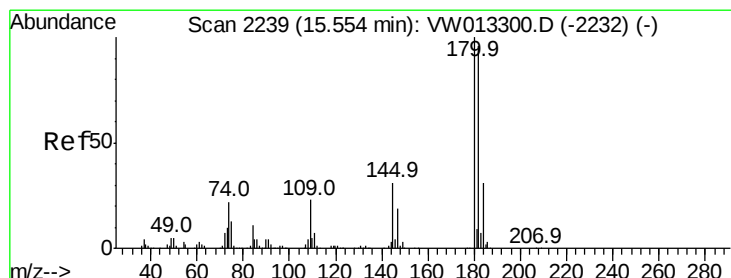
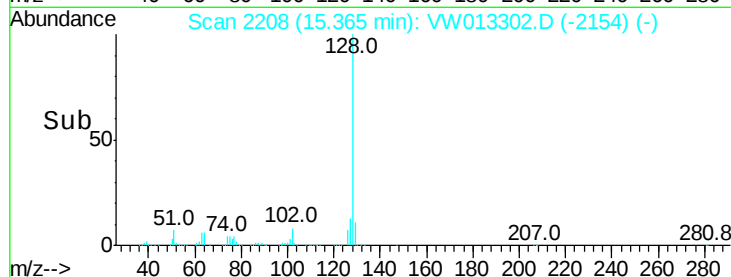
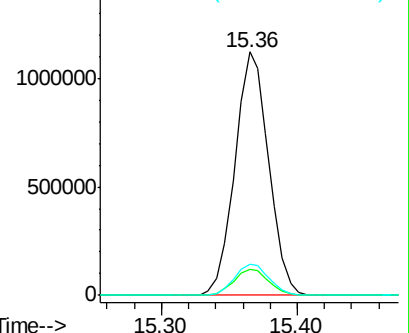
127 13.3 10.6 15.8



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: 111.415 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013302.D

Acq: 26 Sep 2019 12:01

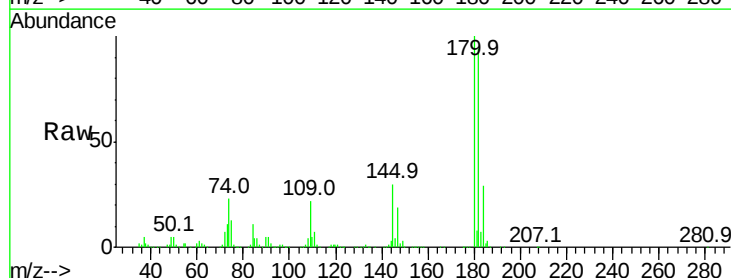
Tgt Ion:180 Resp: 857064

Ion Ratio Lower Upper

180 100

182 95.0 78.2 117.4

145 29.7 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

