

Data File : VW013301.D
Acq On : 26 Sep 2019 11:35
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Sep 26 12:00:25 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	504008	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	444185	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222006	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	279766	55.20	ug/L	0.00
7) Chloroethane-d5	2.88	69	221650	53.16	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	566888	46.77	ug/L	0.00
20) 2-Butanone-d5	7.08	46	190460	100.49	ug/L	0.00
24) Chloroform-d	7.65	84	517249	40.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	280358	41.18	ug/L	0.00
29) Benzene-d6	8.27	84	1116268	49.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	337362	45.09	ug/L	0.00
37) Toluene-d8	10.32	98	1066535	49.42	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	153489	46.56	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	155367	110.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	285022	50.47	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	372926	44.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	197576	50.781	ug/L	98
3) Chloromethane	2.21	50	220861	41.606	ug/L	97
5) Vinyl chloride	2.36	62	318774	46.501	ug/L	98
6) Bromomethane	2.78	94	196181	47.915	ug/L	97
8) Chloroethane	2.92	64	188036	45.491	ug/L	98
9) Trichlorofluoromethane	3.26	101	196394	47.789	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	299577	49.779	ug/L	98
12) 1,1-Dichloroethene	4.04	96	301231	50.120	ug/L	93
13) Acetone	4.13	43	170908	104.633	ug/L	97
14) Carbon disulfide	4.38	76	886427	49.331	ug/L	99
15) Methyl Acetate	4.67	43	170774	55.980	ug/L	99
16) Methylene chloride	4.91	84	323929	47.074	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	513148	49.073	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	322974	50.104	ug/L	97
19) 1,1-Dichloroethane	6.21	63	556149	45.535	ug/L	99
21) 2-Butanone	7.17	43	245444	114.060	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	348082	50.904	ug/L	97
23) Bromochloromethane	7.51	128	155037	52.333	ug/L	97
25) Chloroform	7.67	83	542102	44.078	ug/L	100
27) 1,2-Dichloroethane	8.40	62	361443	43.487	ug/L	100
30) Cyclohexane	7.95	56	566677	47.866	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	437611	43.222	ug/L	99
32) Carbon tetrachloride	8.07	117	424516	44.904	ug/L	100
34) Benzene	8.32	78	1292705	48.397	ug/L	100
35) Trichloroethene	9.09	95	337930	47.938	ug/L	99
36) Methylcyclohexane	9.34	83	621425	50.978	ug/L	98
40) 1,2-Dichloropropane	9.37	63	321265	47.816	ug/L	99
41) Bromodichloromethane	9.64	83	394607	46.103	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	519157	49.181	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	485407	113.567	ug/L	99

Data File : VW013301.D
Acq On : 26 Sep 2019 11:35
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Sep 26 12:00:25 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)
44) Toluene	10.38	91	1398872	48.944	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	422845	49.419	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	245876	54.419	ug/L	98
47) Tetrachloroethene	10.86	164	301912	49.738	ug/L	98
49) 2-Hexanone	10.97	43	357212	113.062	ug/L	99
50) Dibromochloromethane	11.13	129	293164	53.277	ug/L	98
51) 1,2-Dibromoethane	11.23	107	243862	56.111	ug/L	99
52) Chlorobenzene	11.66	112	881730	49.376	ug/L	99
53) Ethylbenzene	11.73	91	1562773	48.178	ug/L	97
54) m,p-Xylene	11.83	106	600543	49.518	ug/L	100
55) o-xylene	12.16	106	568819	49.857	ug/L	97
56) Styrene	12.18	104	991163	51.056	ug/L	99
57) Isopropylbenzene	12.46	105	1537982	49.089	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	306486	59.639	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	223225	56.369	ug/L	99
62) Bromoform	12.35	173	188646	59.458	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	715600	50.886	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	703545	50.149	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	643471	51.024	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	50590	57.884	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	550438	50.884	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	455299	53.094	ug/L	99
69) Naphthalene	15.36	128	919997	66.244	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	407104	53.806	ug/L	98

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

Data File : VW013301.D

Acq On : 26 Sep 2019 11:35

Operator : SY/VA

Sample : VSTD05004

Misc : 5.00G/10ML/MSVOA_W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

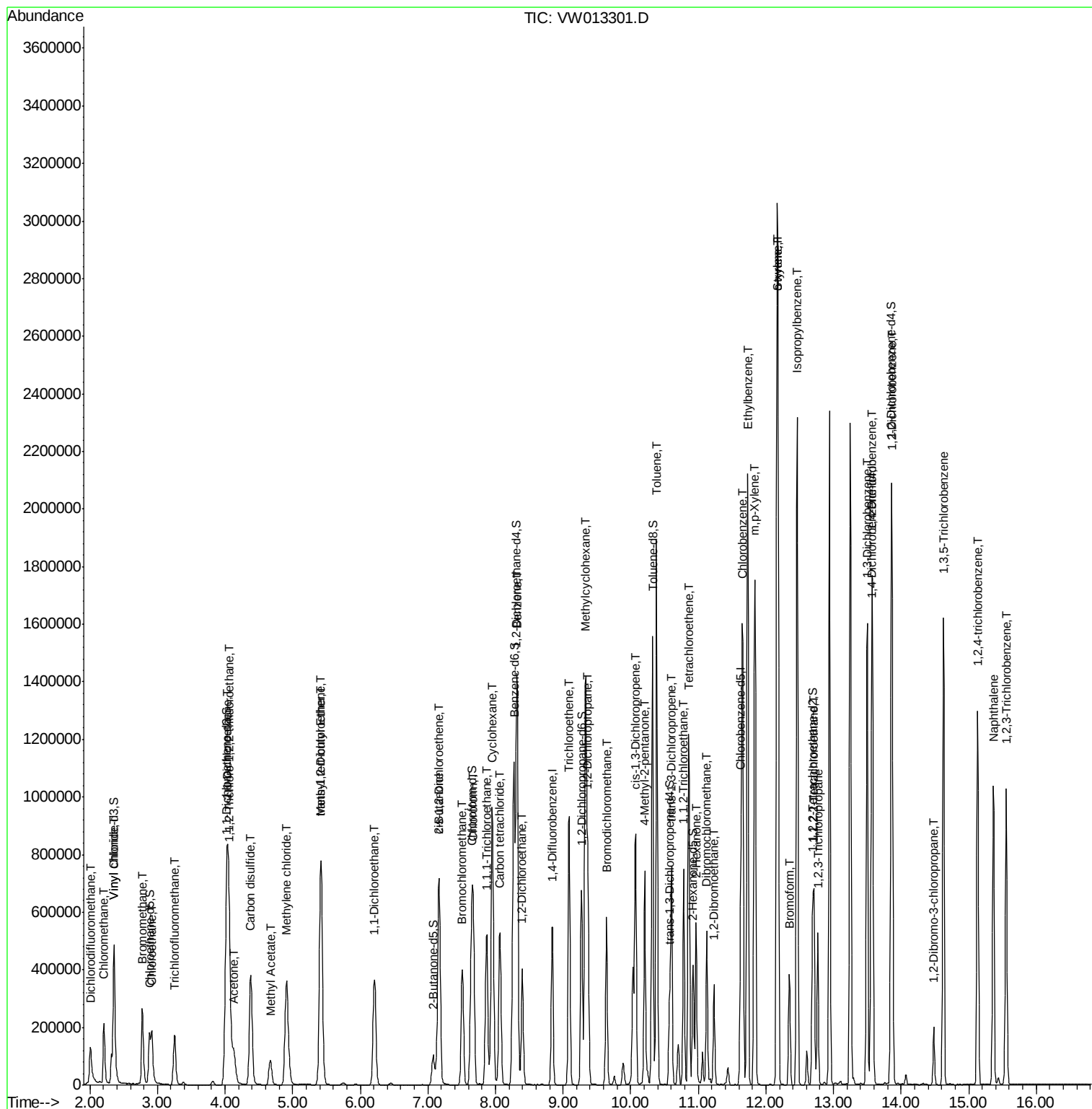
Quant Time: Sep 26 12:00:25 2019

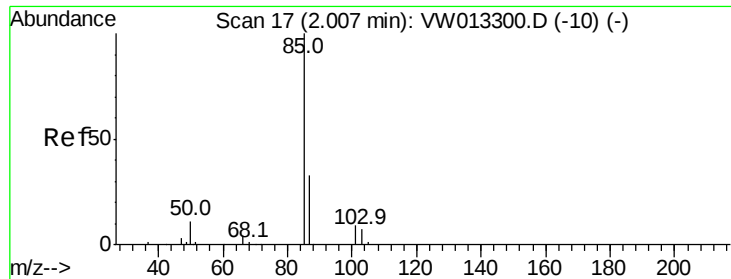
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M

Quant Title : VOC Analysis

QLast Update : Thu Sep 26 11:15:22 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.781 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

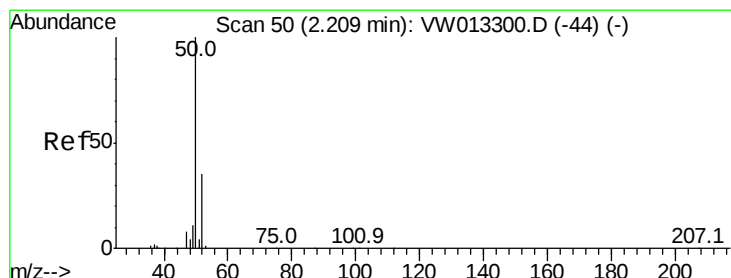
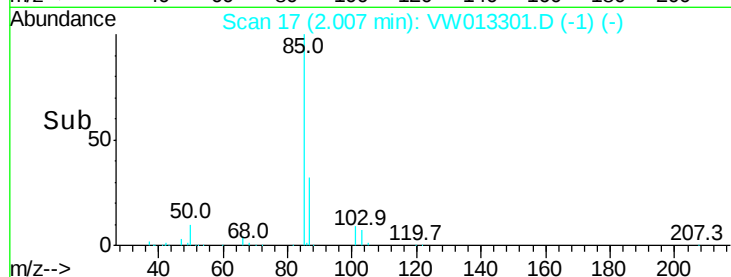
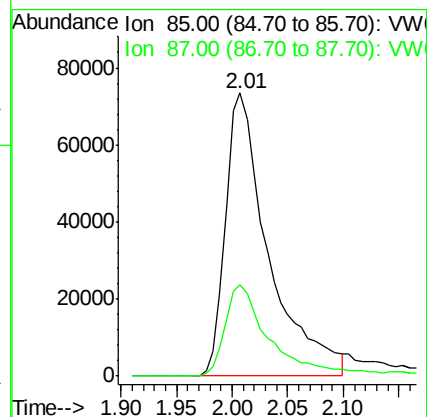
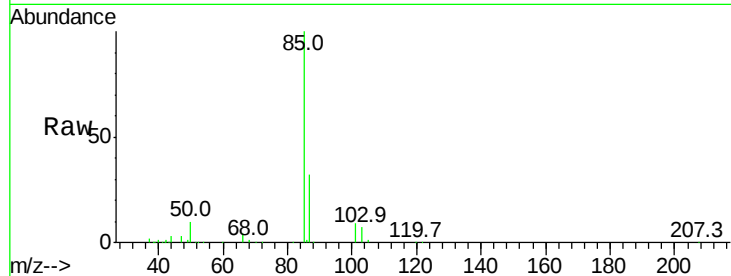
VSTD05004

Tgt Ion: 85 Resp: 197576

Ion Ratio Lower Upper

85 100

87 31.8 21.3 39.6



#3

Chloromethane

Concen: 41.606 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013301.D

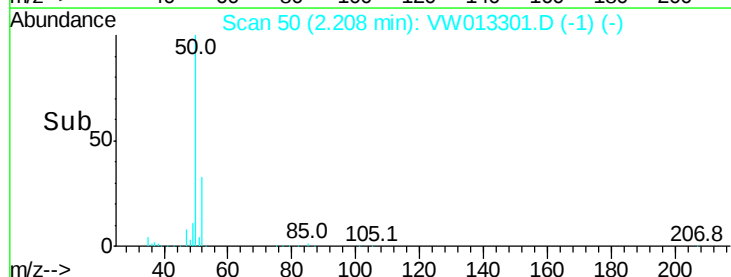
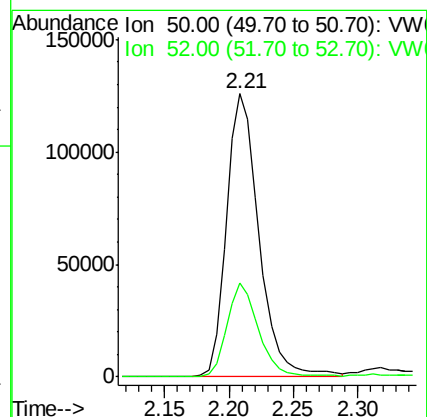
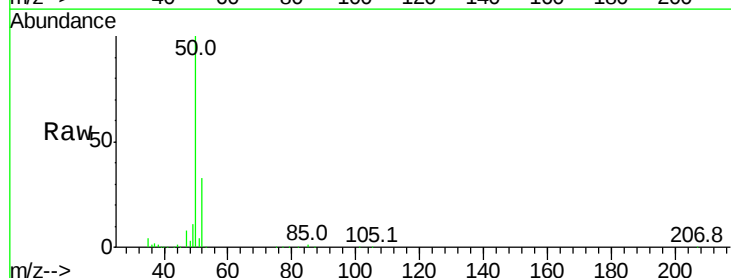
Acq: 26 Sep 2019 11:35

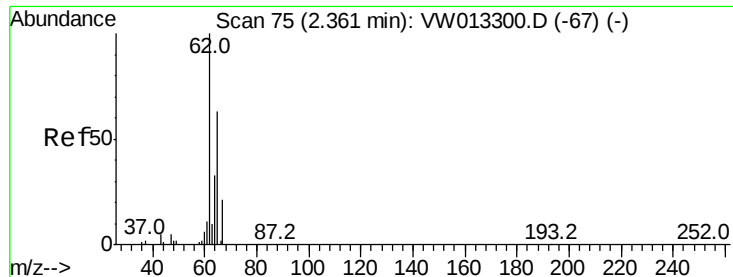
Tgt Ion: 50 Resp: 220861

Ion Ratio Lower Upper

50 100

52 33.1 24.4 45.4





#5

Vinyl chloride

Concen: 46.501 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

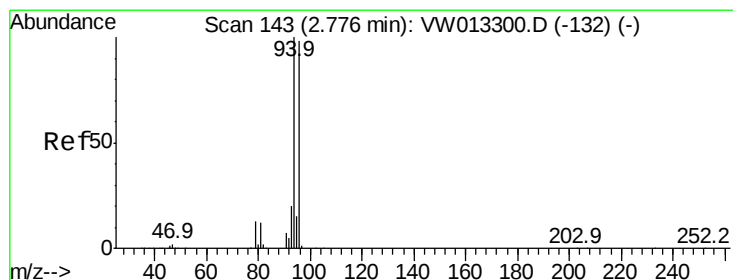
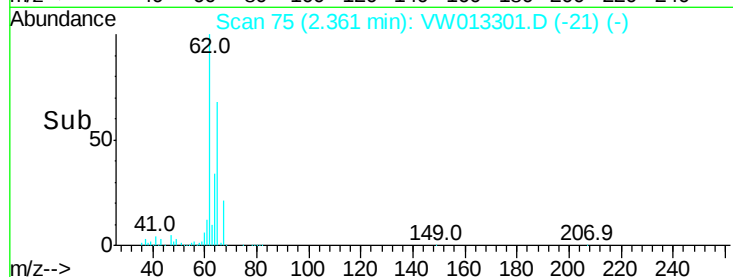
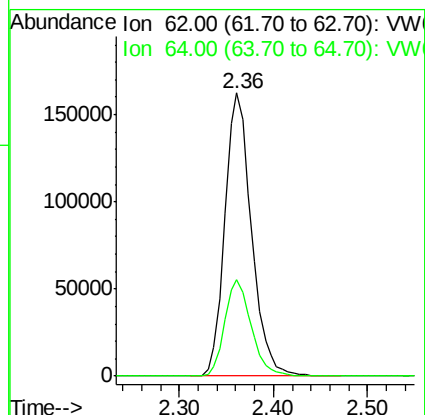
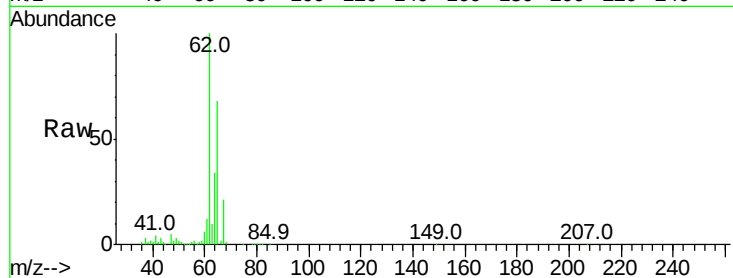
VSTD05004

Tgt Ion: 62 Resp: 318774

Ion Ratio Lower Upper

62 100

64 34.3 23.2 43.0



#6

Bromomethane

Concen: 47.915 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013301.D

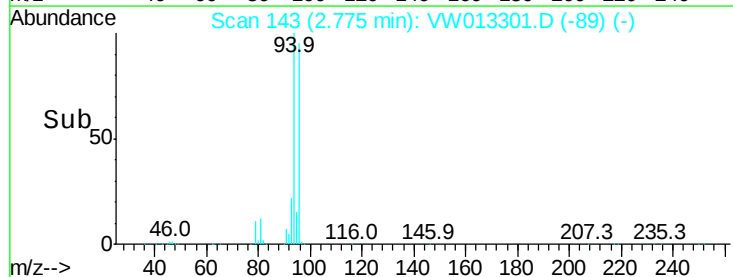
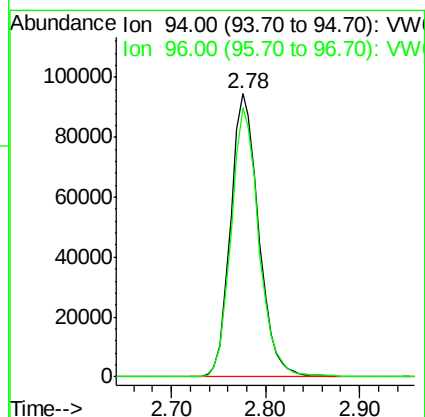
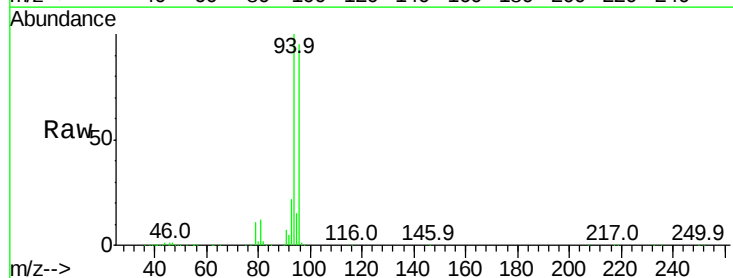
Acq: 26 Sep 2019 11:35

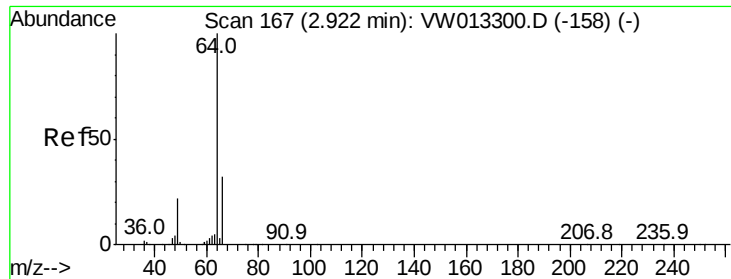
Tgt Ion: 94 Resp: 196181

Ion Ratio Lower Upper

94 100

96 94.1 9.7 184.3





#8

Chloroethane

Concen: 45.491 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

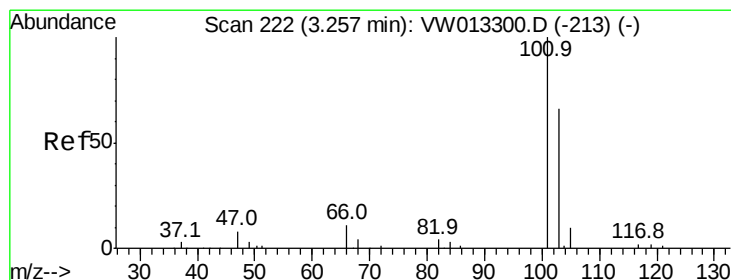
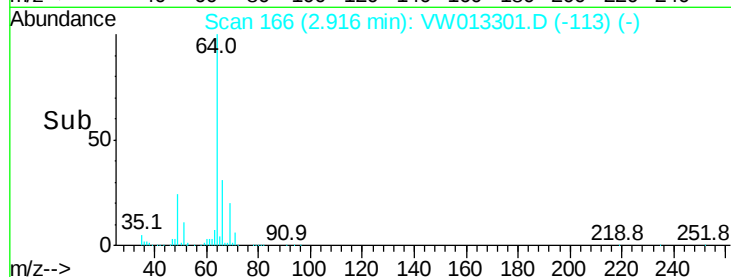
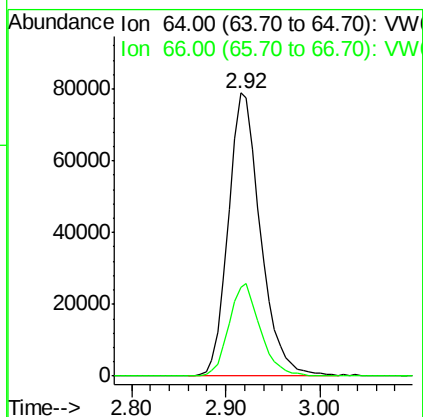
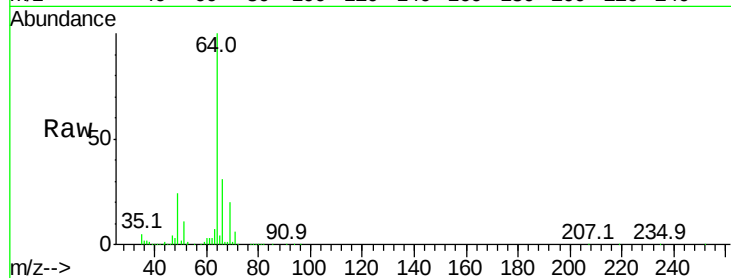
VSTD05004

Tgt Ion: 64 Resp: 188036

Ion Ratio Lower Upper

64 100

66 31.3 22.7 42.1



#9

Trichlorofluoromethane

Concen: 47.789 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013301.D

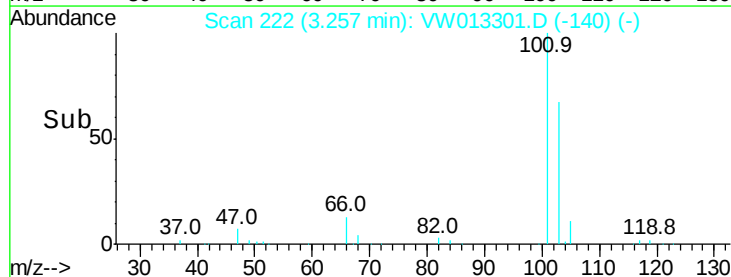
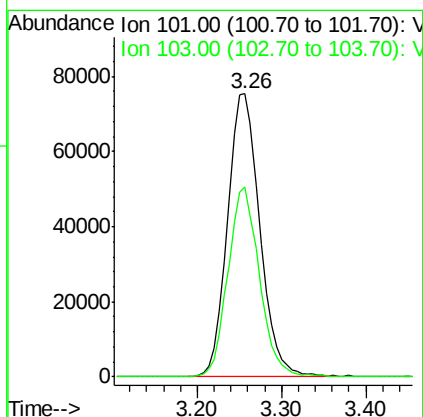
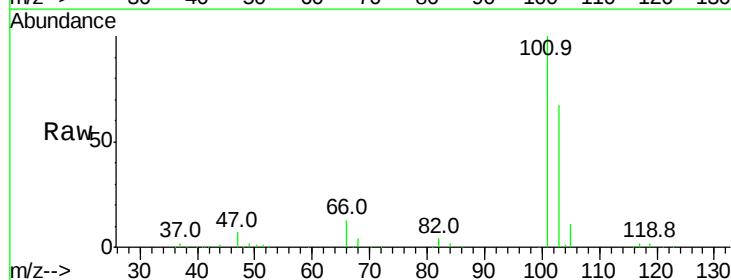
Acq: 26 Sep 2019 11:35

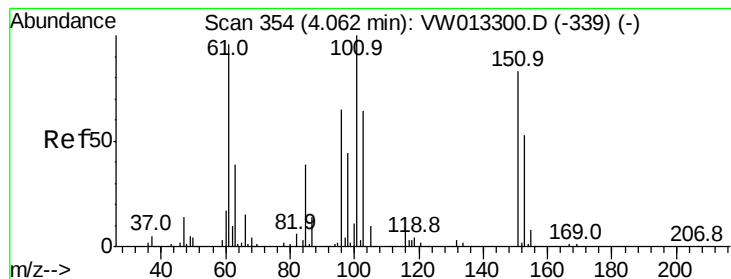
Tgt Ion: 101 Resp: 196394

Ion Ratio Lower Upper

101 100

103 64.9 45.2 84.0





#11

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

Concen: 49.779 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

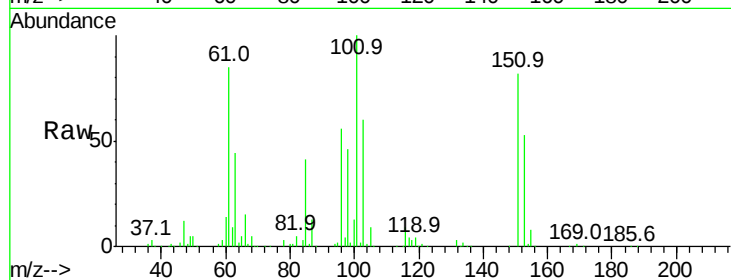
Tgt Ion: 101 Resp: 299577

Ion Ratio Lower Upper

101 100

85 40.6 31.8 47.8

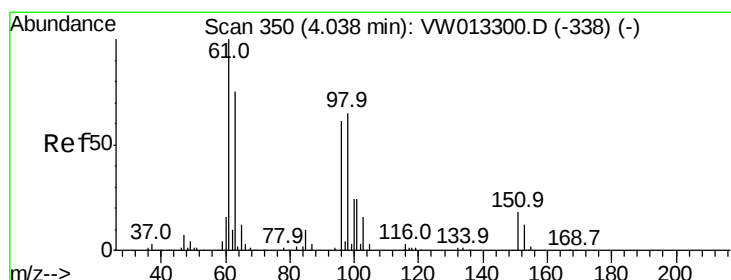
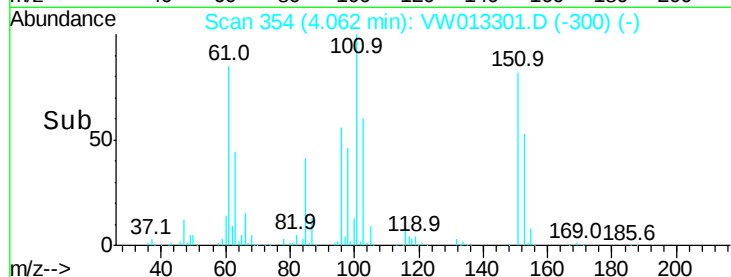
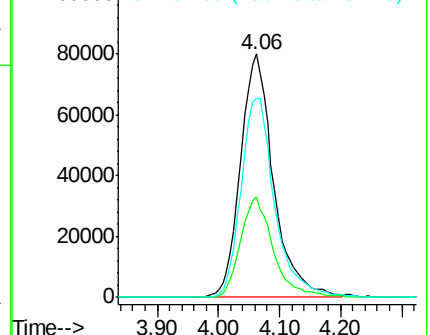
151 83.7 65.4 98.0



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: 50.120 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

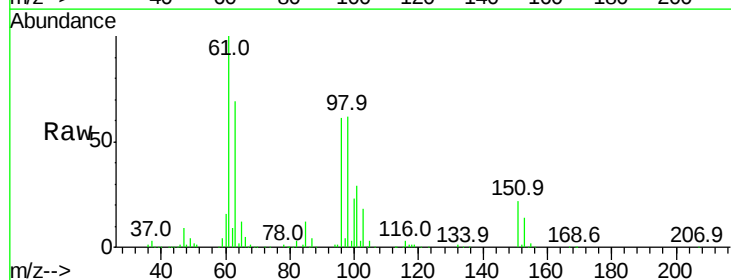
Tgt Ion: 96 Resp: 301231

Ion Ratio Lower Upper

96 100

61 162.8 115.9 215.3

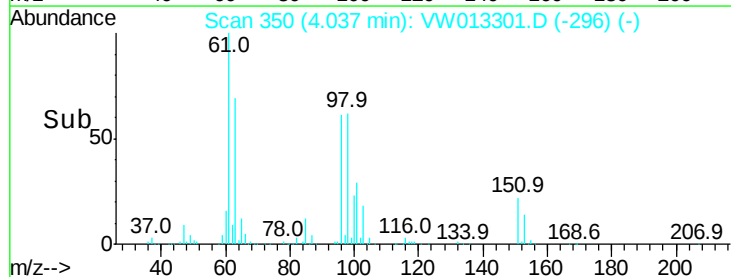
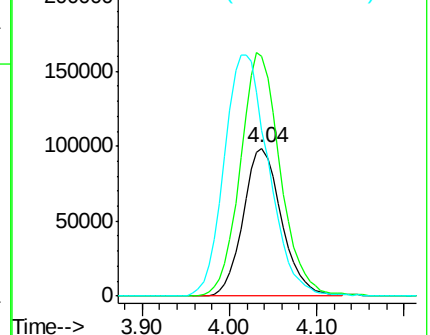
63 111.9 88.9 165.1

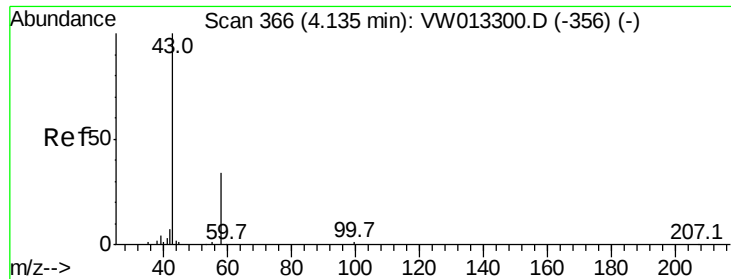


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 104.633 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampled :

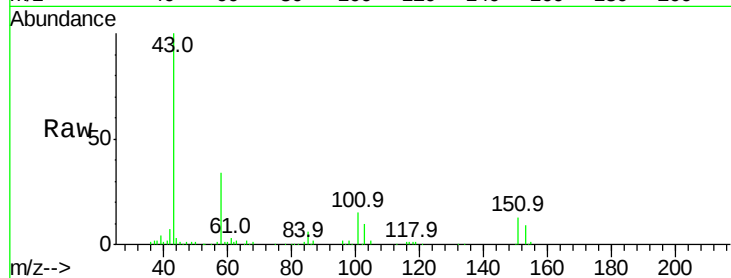
VSTD05004

Tgt Ion: 43 Resp: 170908

Ion Ratio Lower Upper

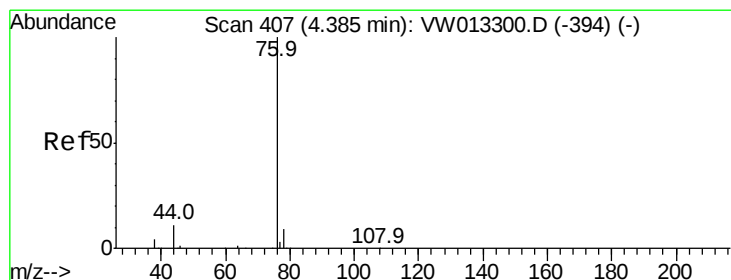
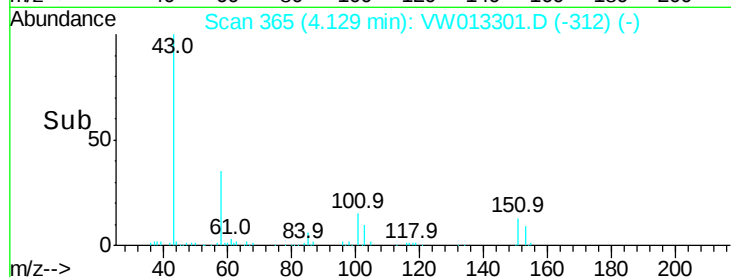
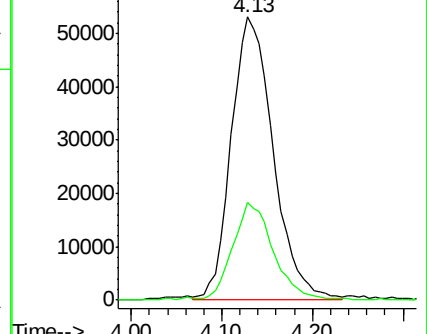
43 100

58 33.2 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: 49.331 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013301.D

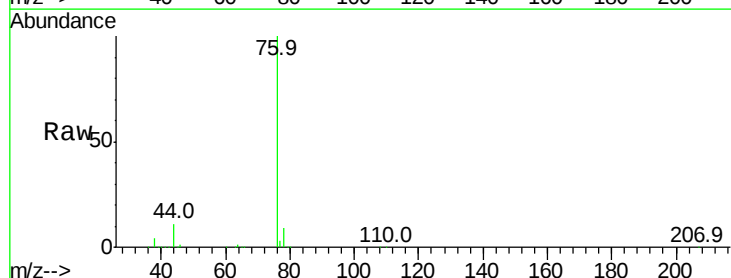
Acq: 26 Sep 2019 11:35

Tgt Ion: 76 Resp: 886427

Ion Ratio Lower Upper

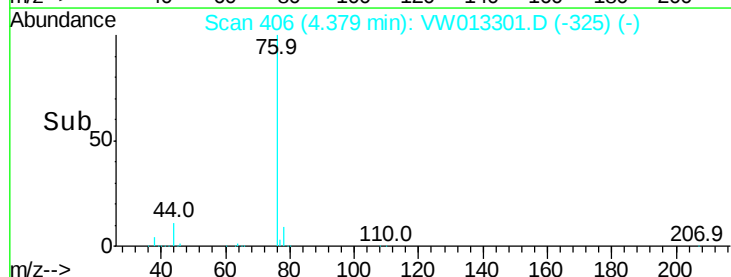
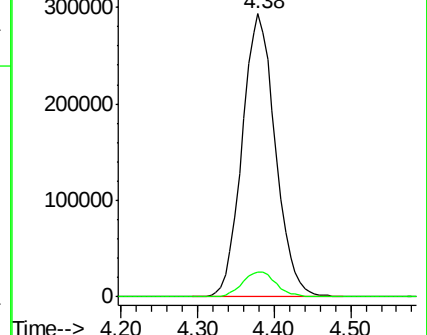
76 100

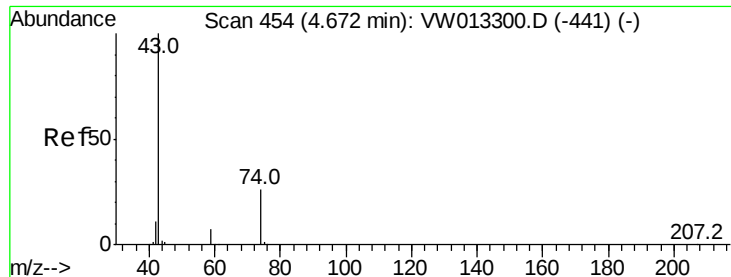
78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 55.980 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

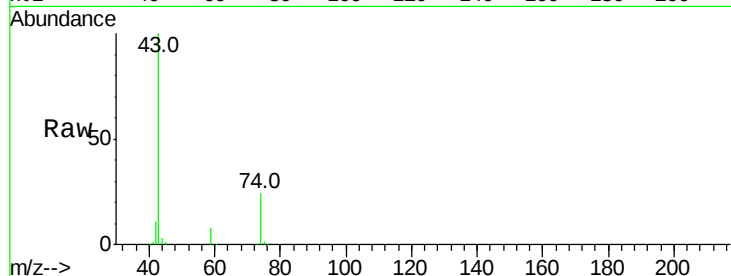
VSTD05004

Tgt Ion: 43 Resp: 170774

Ion Ratio Lower Upper

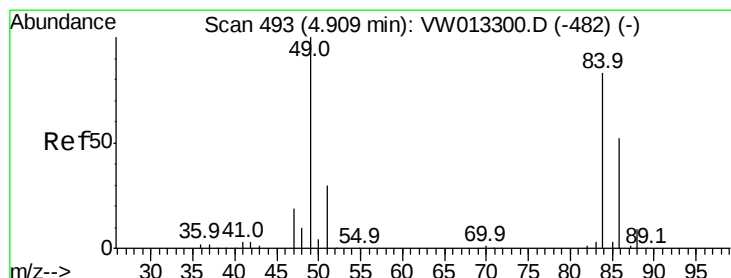
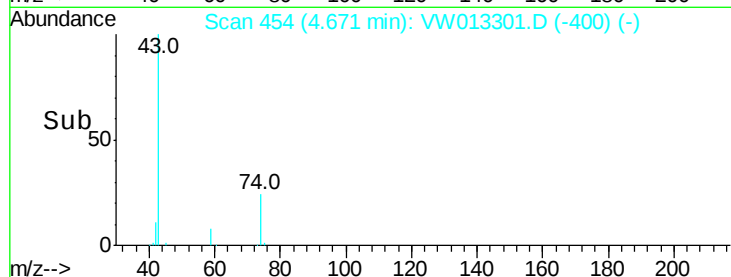
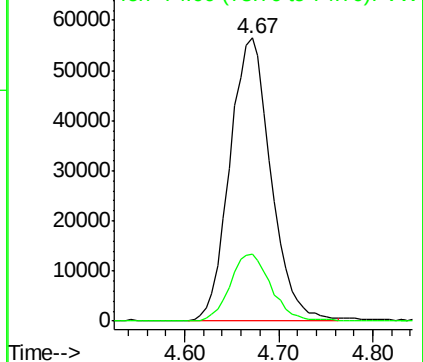
43 100

74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 47.074 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

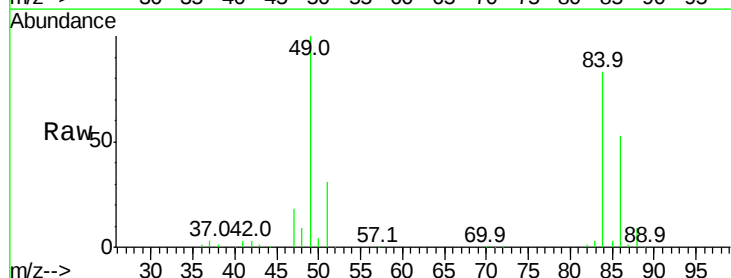
Tgt Ion: 84 Resp: 323929

Ion Ratio Lower Upper

84 100

49 120.6 84.8 157.4

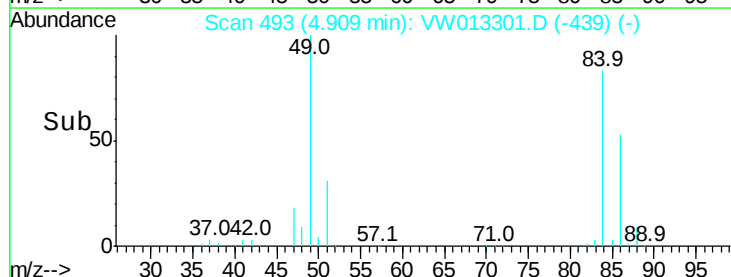
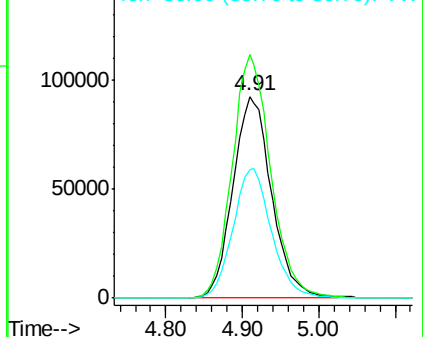
86 63.4 44.0 81.6

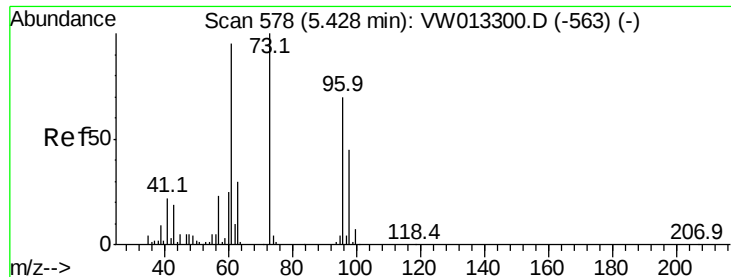


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

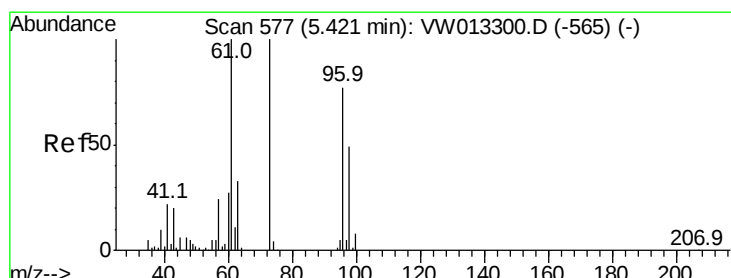
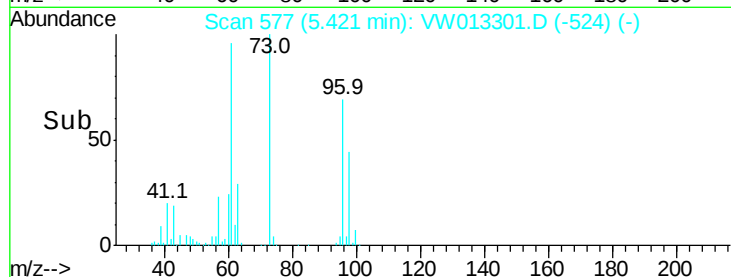
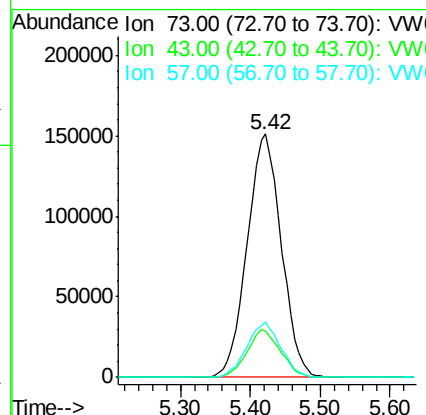
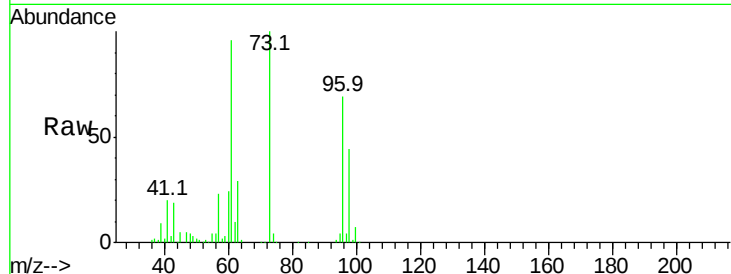




#17
Methyl tert-butyl Ether
Concen: 49.073 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

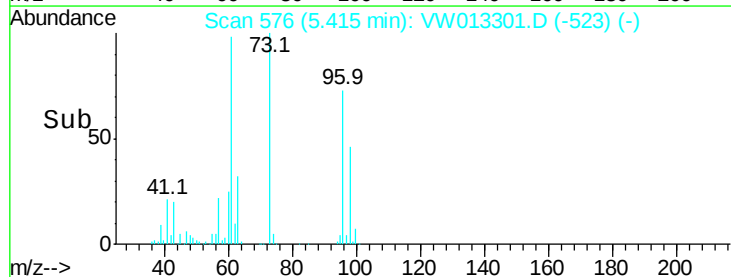
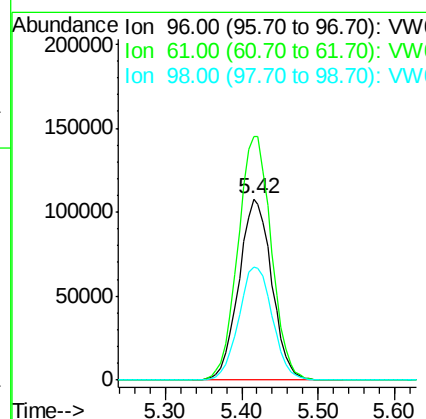
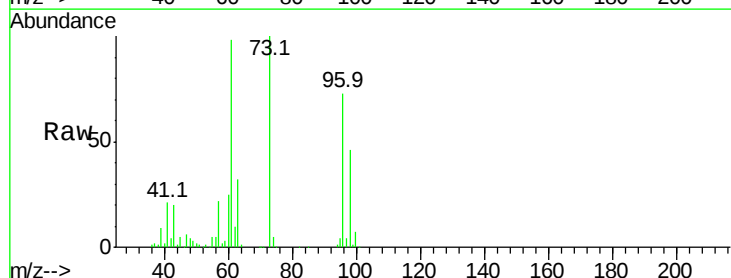
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

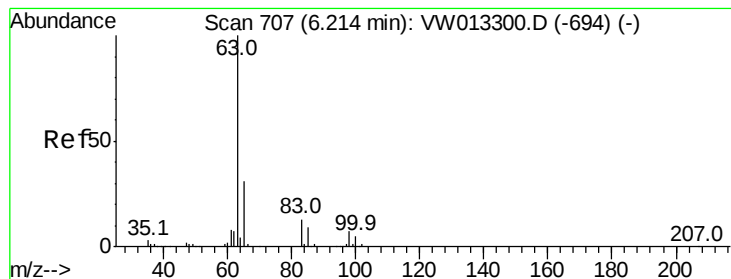
Tgt Ion: 73 Resp: 513148
Ion Ratio Lower Upper
73 100
43 19.2 15.3 22.9
57 22.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 50.104 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Tgt Ion: 96 Resp: 322974
Ion Ratio Lower Upper
96 100
61 134.1 91.2 169.4
98 62.6 44.7 82.9





#19

1,1-Dichloroethane

Concen: 45.535 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

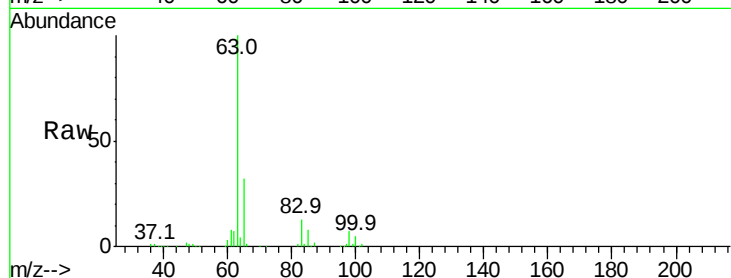
Tgt Ion: 63 Resp: 556149

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

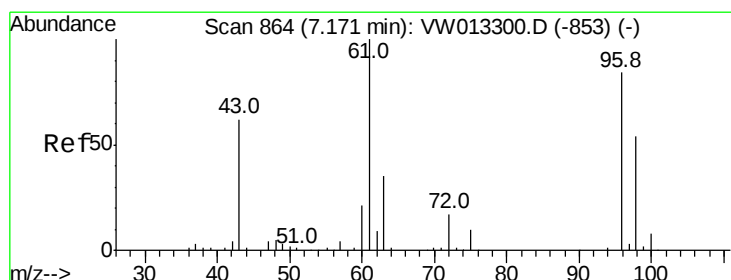
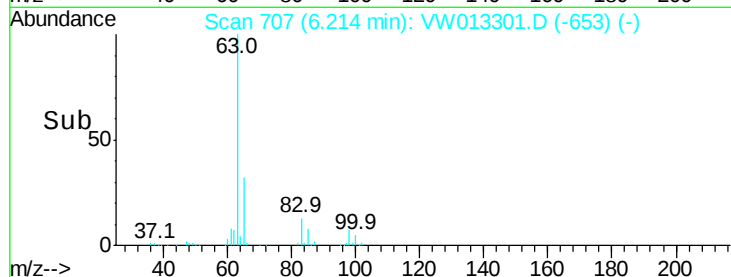
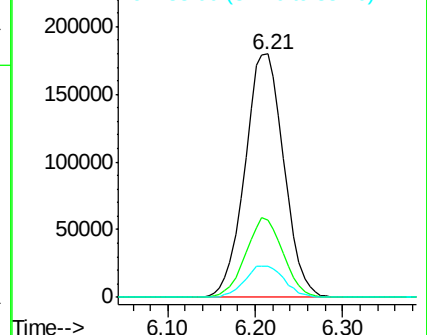
83 12.8 9.3 17.3



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: 114.060 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013301.D

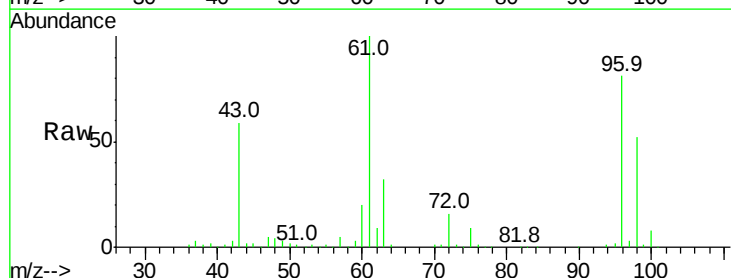
Acq: 26 Sep 2019 11:35

Tgt Ion: 43 Resp: 245444

Ion Ratio Lower Upper

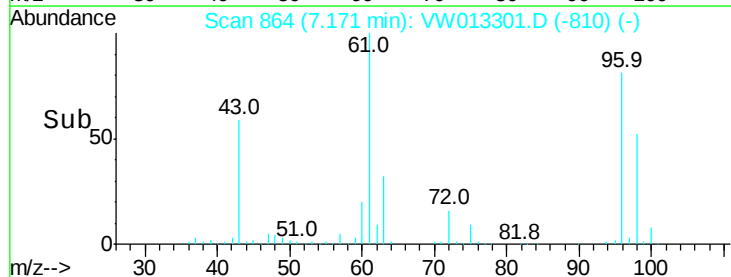
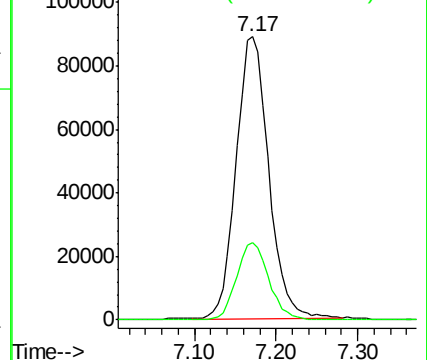
43 100

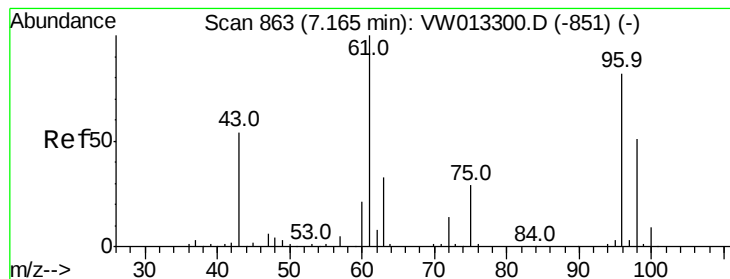
72 27.0 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



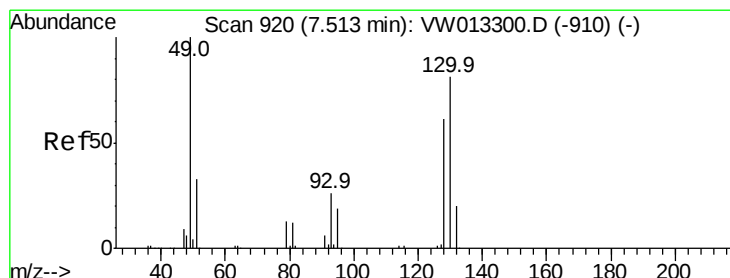
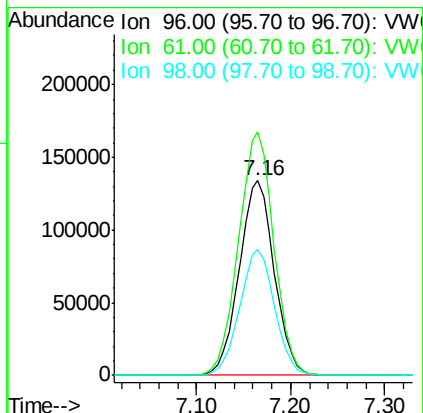
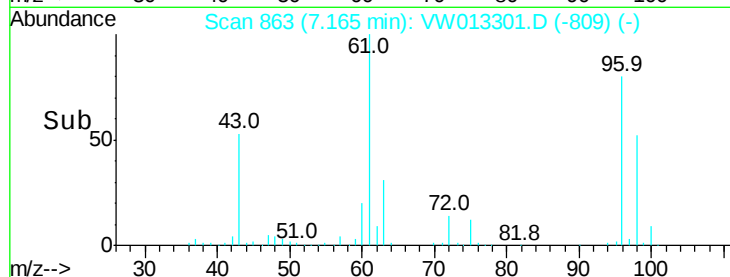
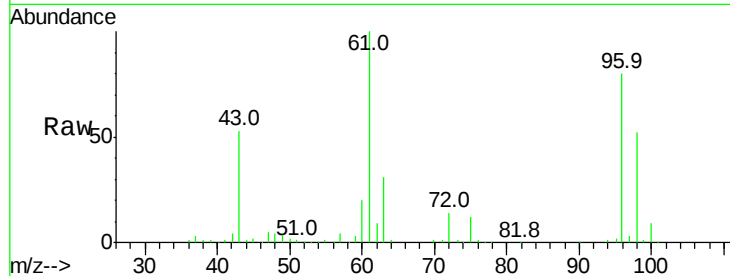


#22

cis-1,2-Dichloroethene
Concen: 50.904 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

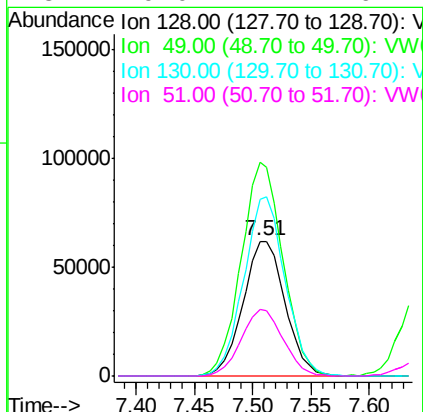
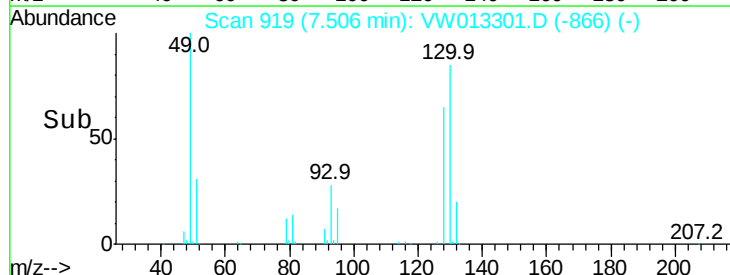
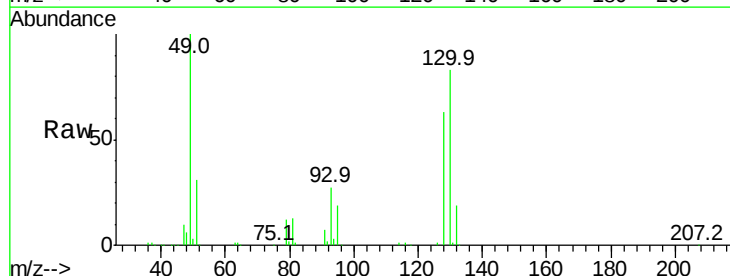
Tgt Ion: 96 Resp: 348082
Ion Ratio Lower Upper
96 100
61 125.2 86.0 159.6
98 64.8 43.5 80.9

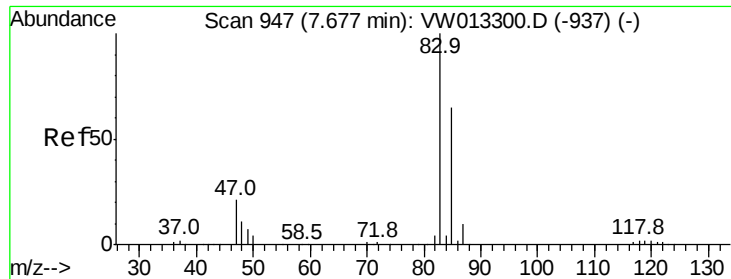


#23

Bromochloromethane
Concen: 52.333 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Tgt Ion: 128 Resp: 155037
Ion Ratio Lower Upper
128 100
49 158.7 114.6 212.8
130 131.3 92.6 172.0
51 49.0 42.7 64.1

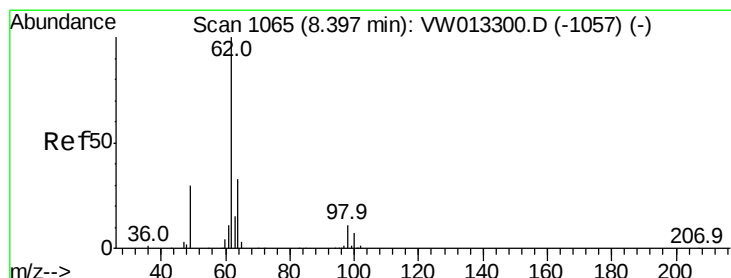
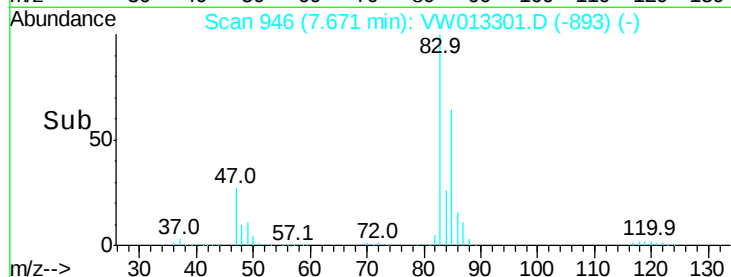
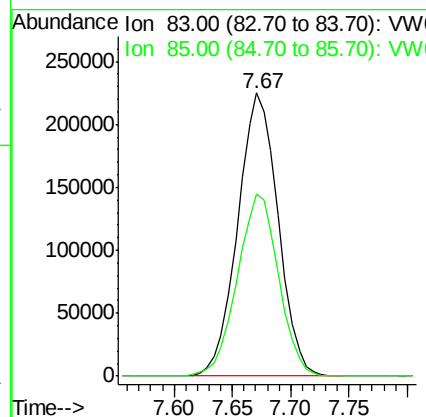
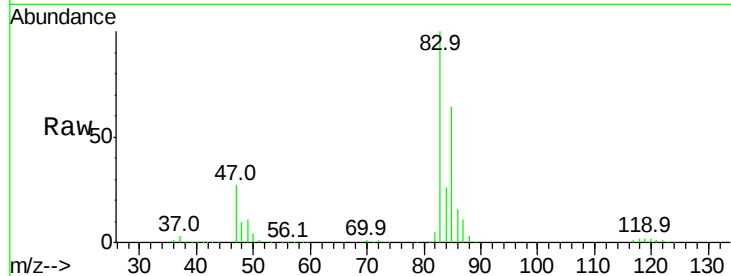




#25
Chloroform
Concen: 44.078 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

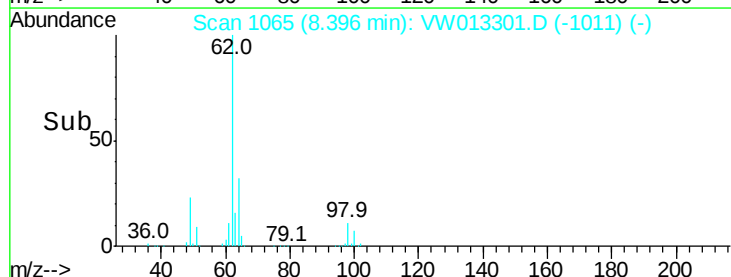
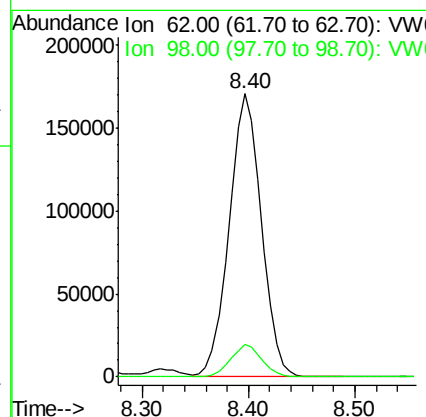
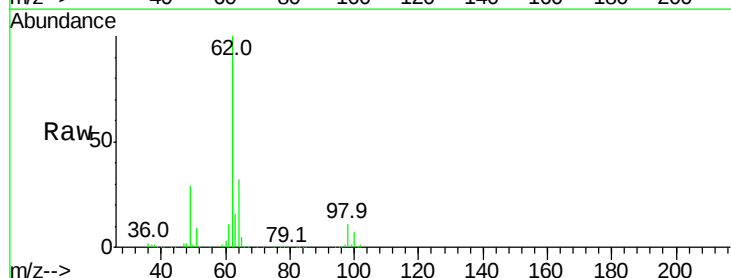
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

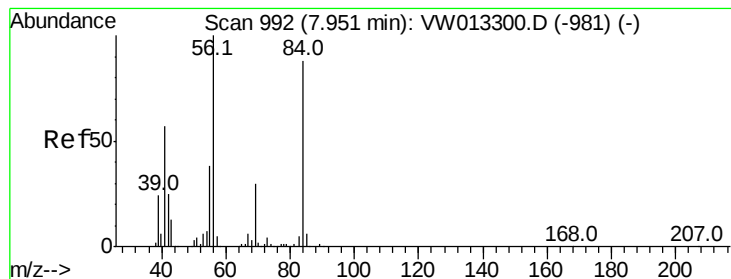
Tgt Ion: 83 Resp: 542102
Ion Ratio Lower Upper
83 100
85 65.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 43.487 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Tgt Ion: 62 Resp: 361443
Ion Ratio Lower Upper
62 100
98 11.3 9.0 13.6





#30

Cyclohexane

Concen: 47.866 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

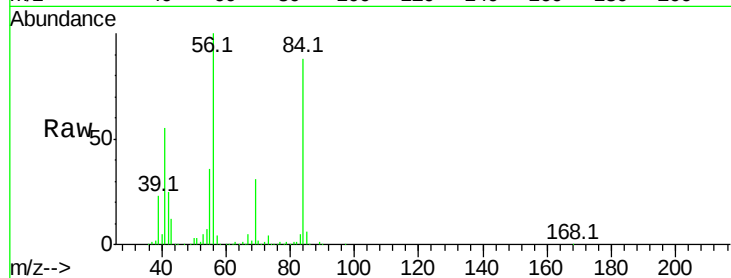
Tgt Ion: 56 Resp: 566677

Ion Ratio Lower Upper

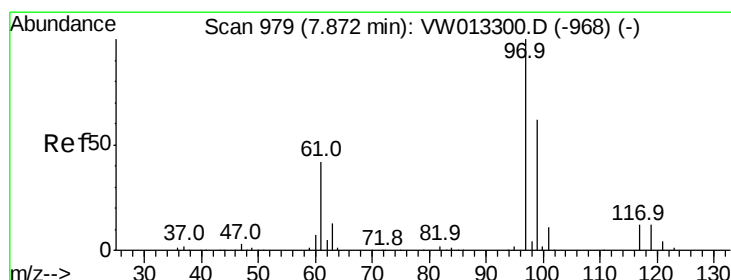
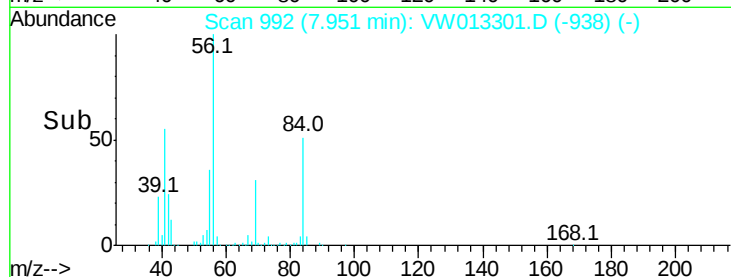
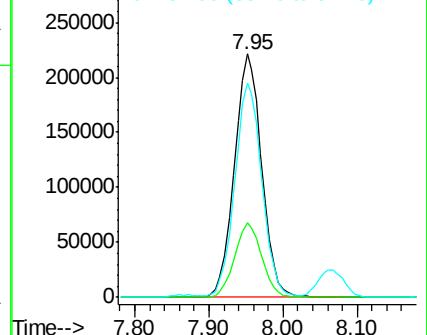
56 100

69 30.5 24.6 37.0

84 87.8 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 43.222 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

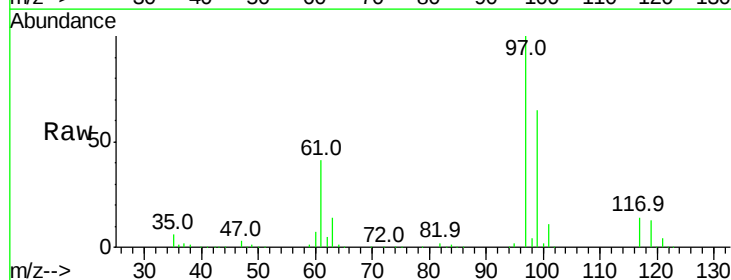
Tgt Ion: 97 Resp: 437611

Ion Ratio Lower Upper

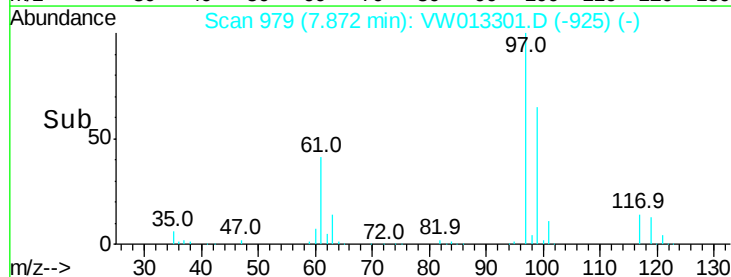
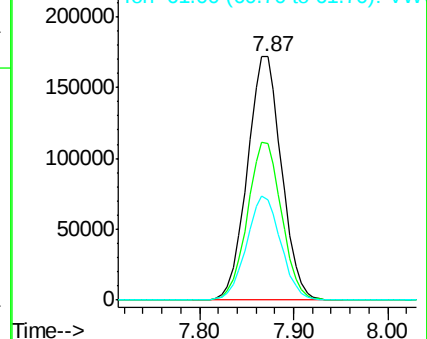
97 100

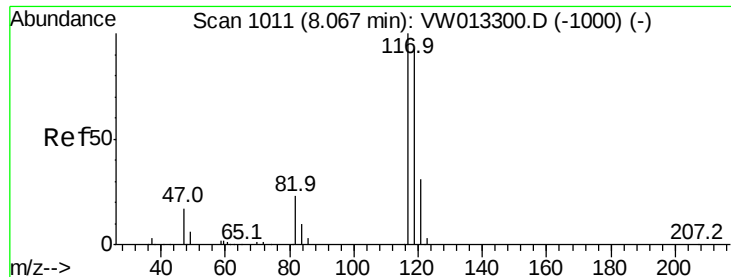
99 64.7 50.6 75.8

61 42.7 34.2 51.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 44.904 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

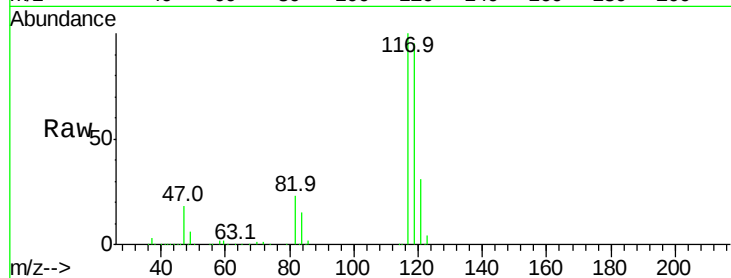
VSTD05004

Tgt Ion:117 Resp: 424516

Ion Ratio Lower Upper

117 100

119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

100000

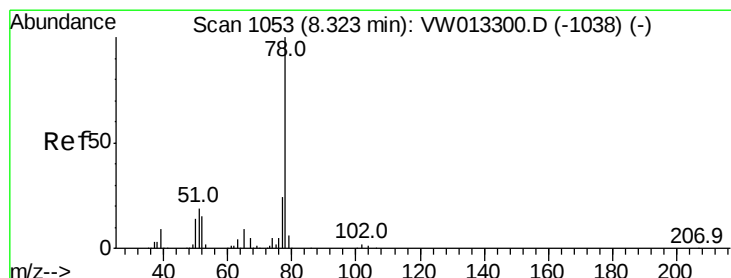
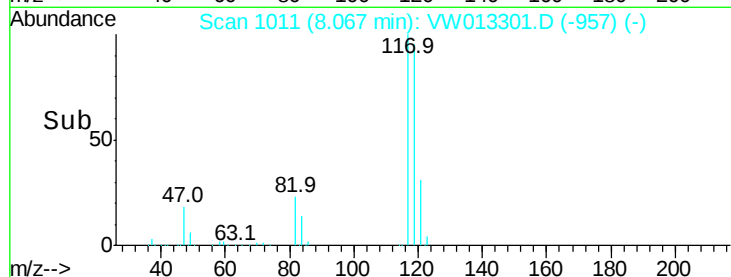
50000

0

8.07

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 48.397 ug/L

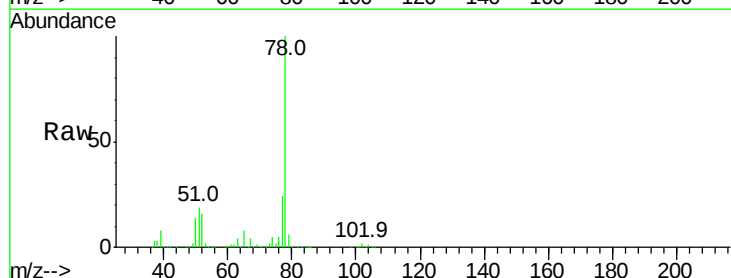
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Tgt Ion: 78 Resp: 1292705



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

400000

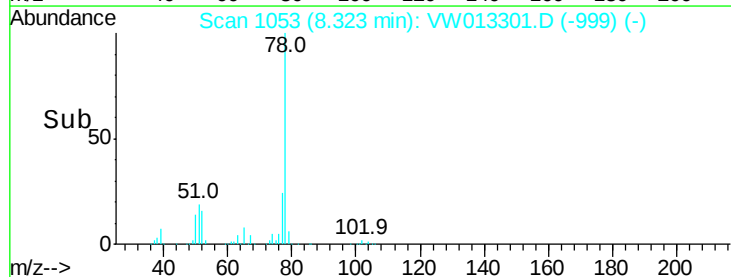
200000

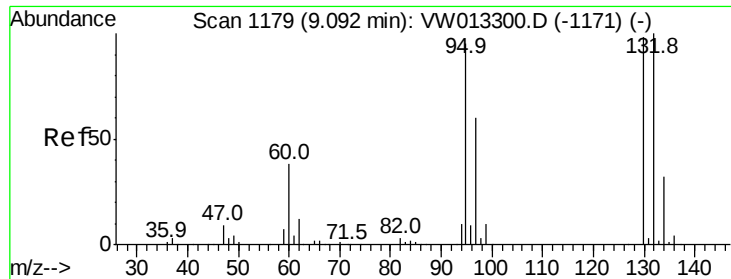
0

8.32

8.20 8.30 8.40

Time-->

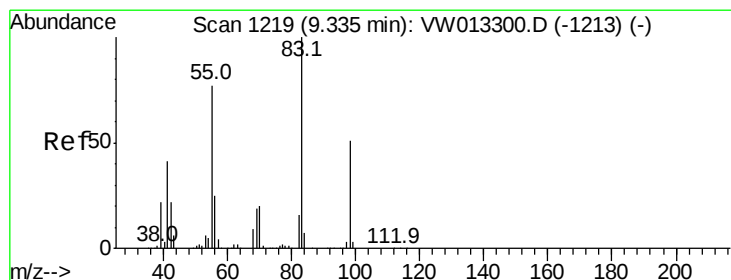
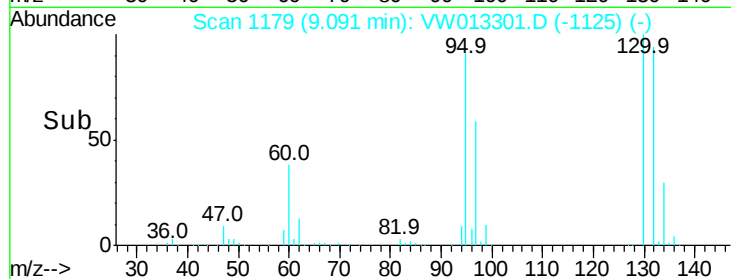
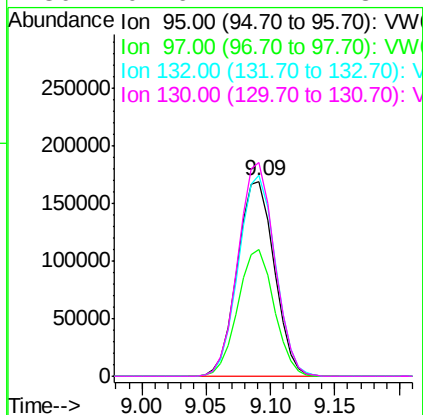
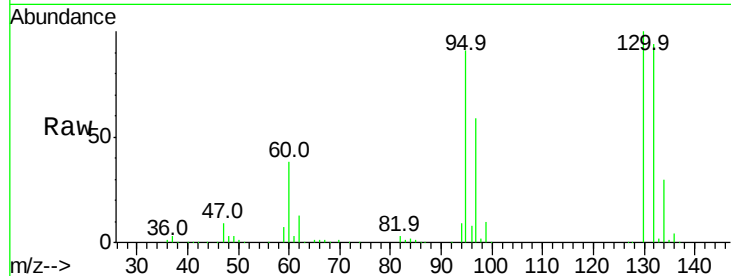




#35
 Trichloroethene
 Concen: 47.938 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

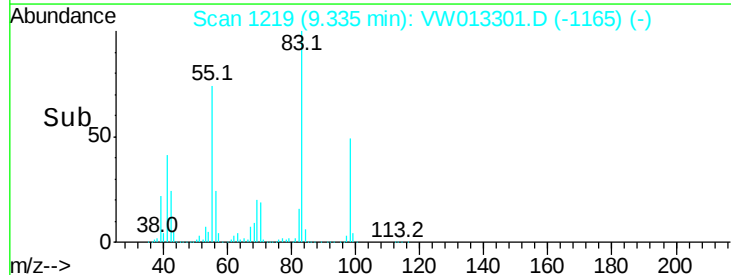
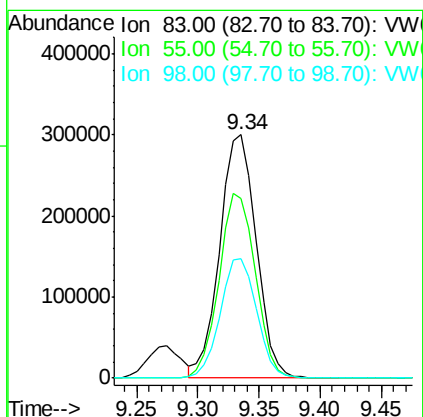
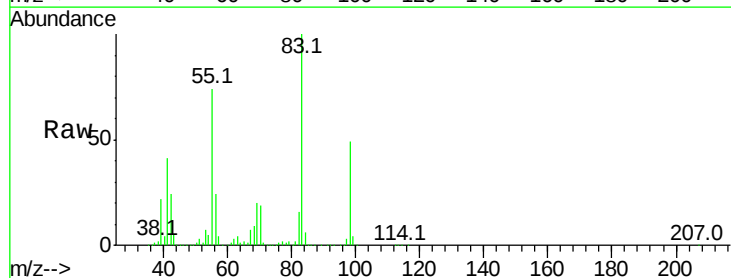
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

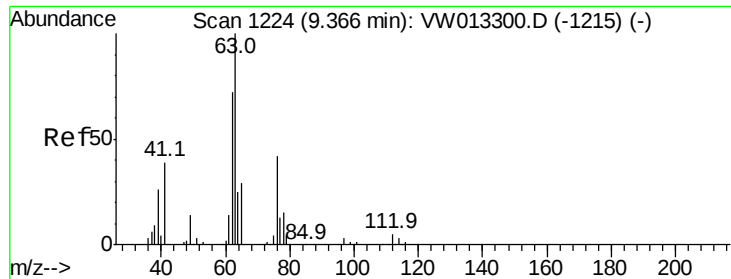
Tgt Ion:	95	Resp:	337930
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.3	82.3
132	102.5	71.7	133.3
130	107.6	74.1	137.7



#36
 Methylcyclohexane
 Concen: 50.978 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Tgt Ion:	83	Resp:	621425
Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.8	92.6
98	49.0	39.6	59.4

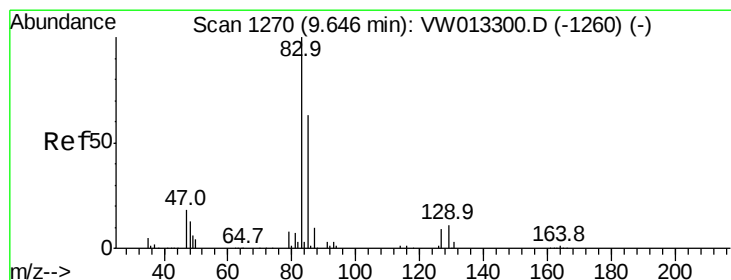
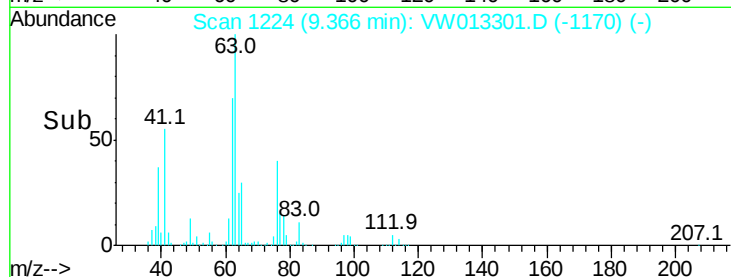
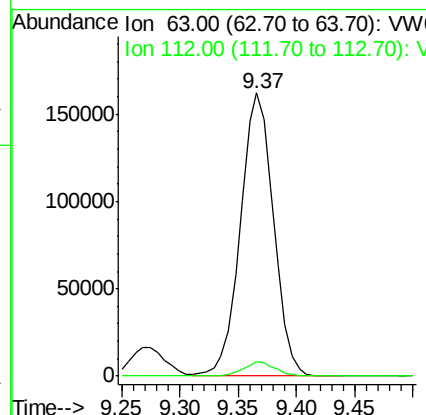
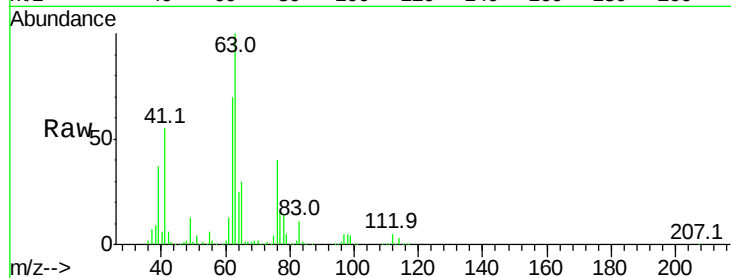




#40
 1,2-Dichloropropane
 Concen: 47.816 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

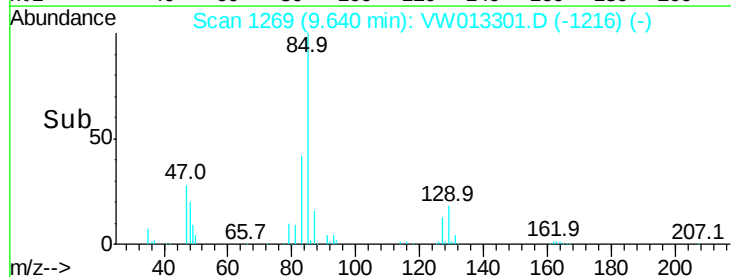
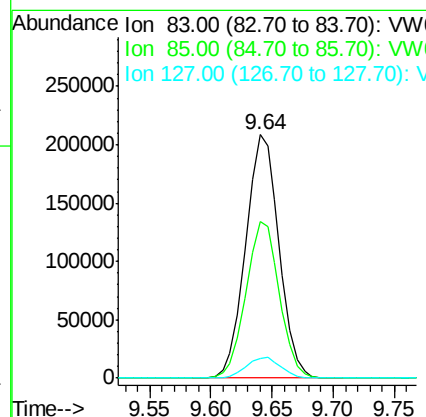
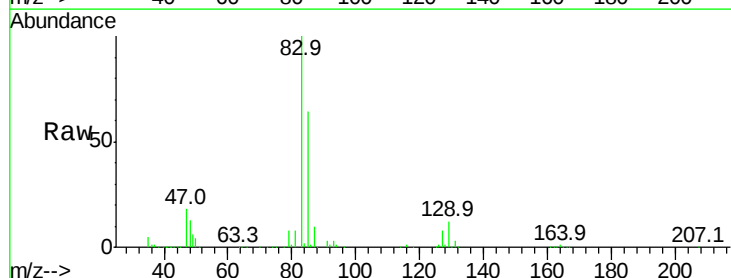
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

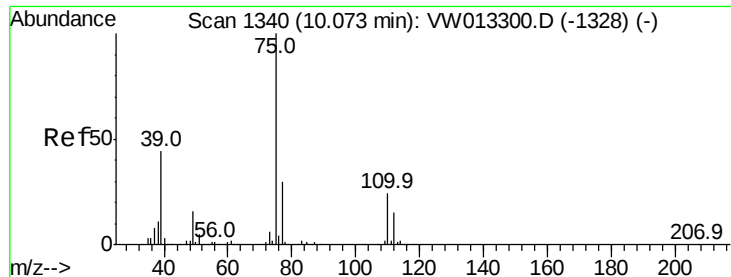
Tgt Ion: 63 Resp: 321265
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.1 6.1



#41
 Bromodichloromethane
 Concen: 46.103 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Tgt Ion: 83 Resp: 394607
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.8 81.4
 127 8.2 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 49.181 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

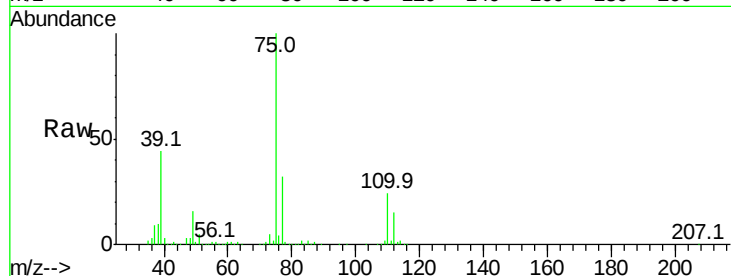
VSTD05004

Tgt Ion: 75 Resp: 519157

Ion Ratio Lower Upper

75 100

77 31.5 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

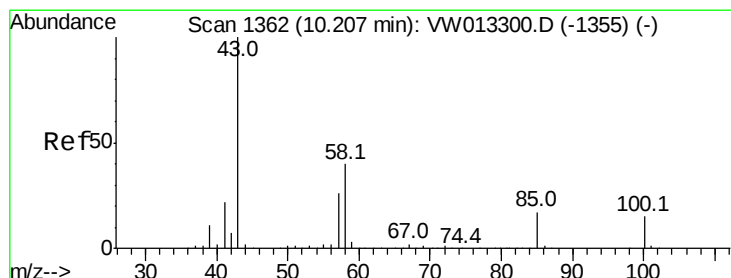
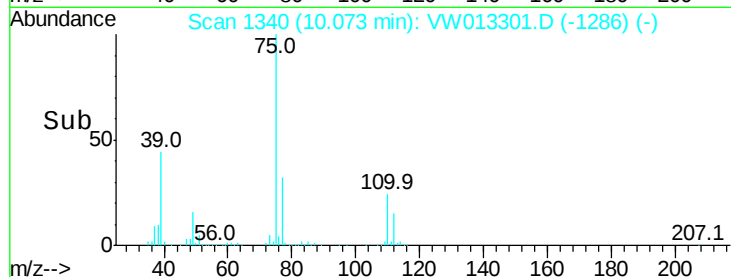
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 113.567 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

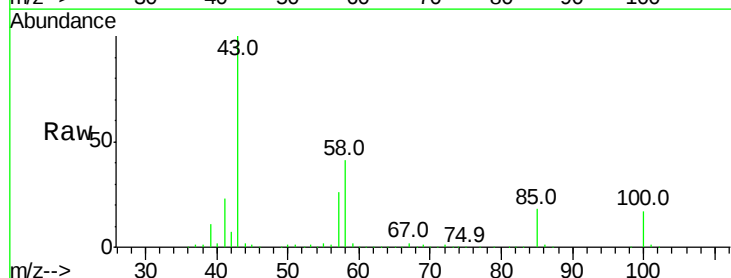
Tgt Ion: 43 Resp: 485407

Ion Ratio Lower Upper

43 100

58 40.6 32.7 49.1

100 16.7 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

500000

400000

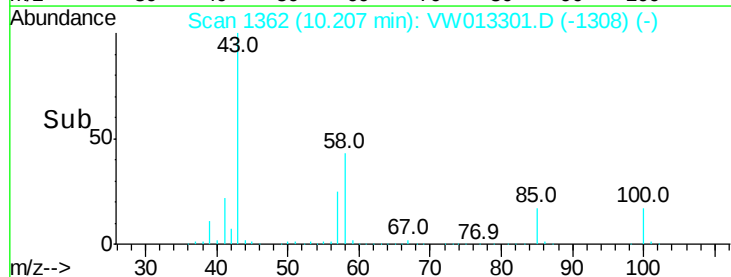
300000

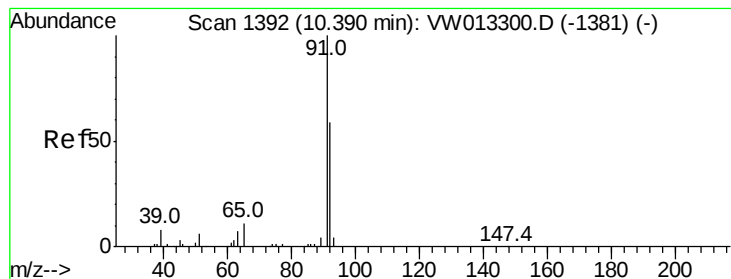
200000

100000

0

Time-->





#44

Toluene

Concen: 48.944 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

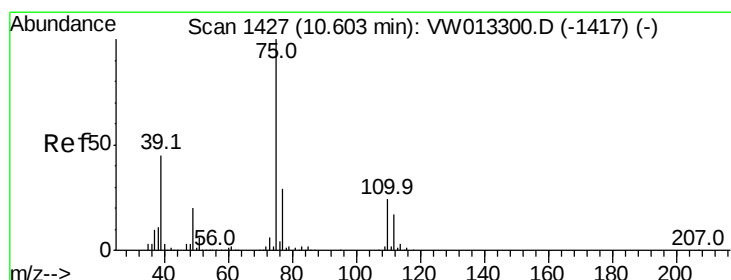
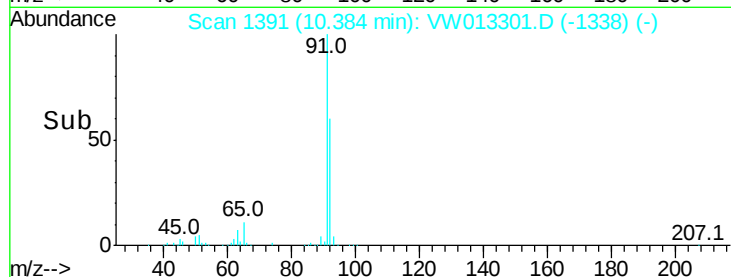
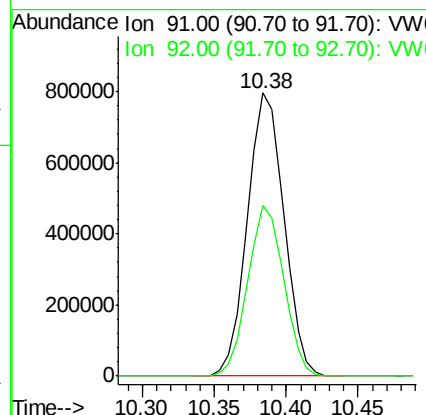
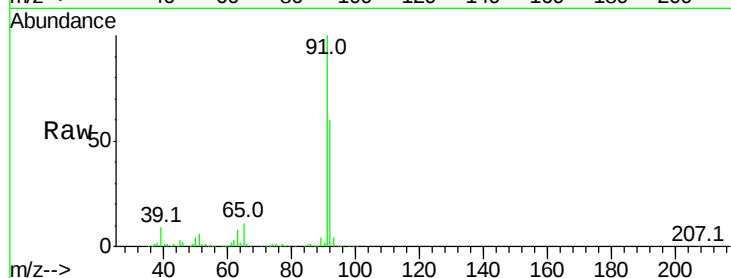
VSTD05004

Tgt Ion: 91 Resp: 1398872

Ion Ratio Lower Upper

91 100

92 60.2 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 49.419 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013301.D

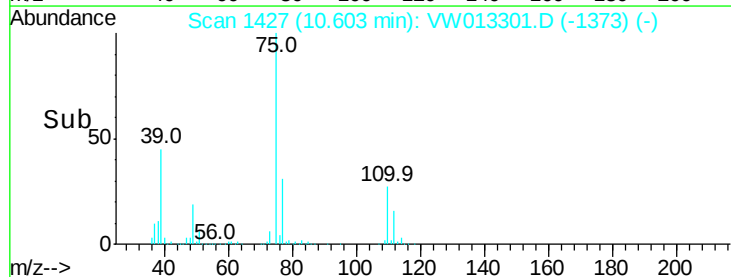
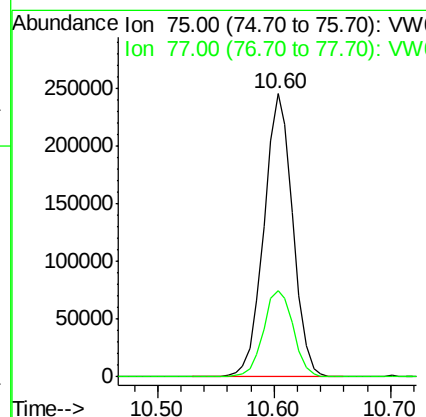
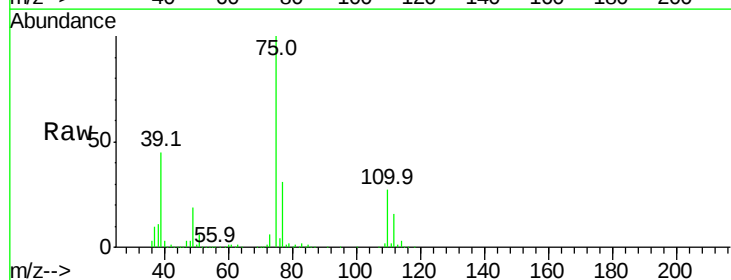
Acq: 26 Sep 2019 11:35

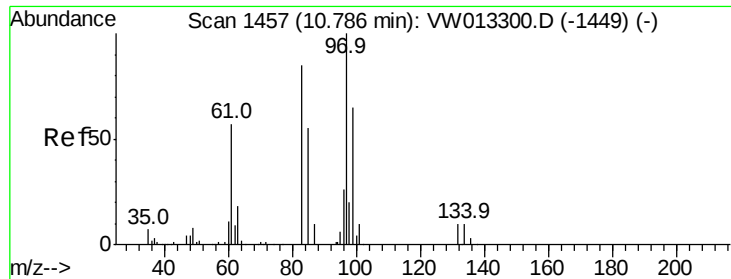
Tgt Ion: 75 Resp: 422845

Ion Ratio Lower Upper

75 100

77 30.6 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 54.419 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 245876

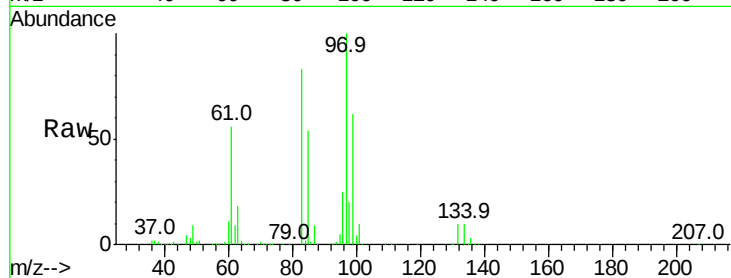
Ion Ratio Lower Upper

97 100

83 83.3 59.4 110.2

85 54.4 38.7 71.9

99 62.3 45.8 85.0

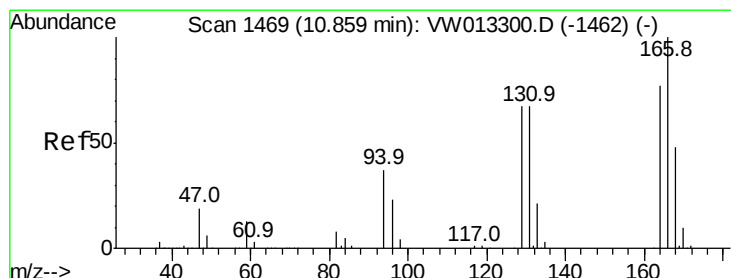
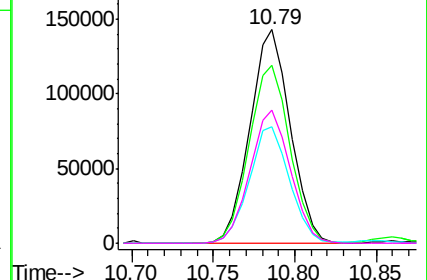
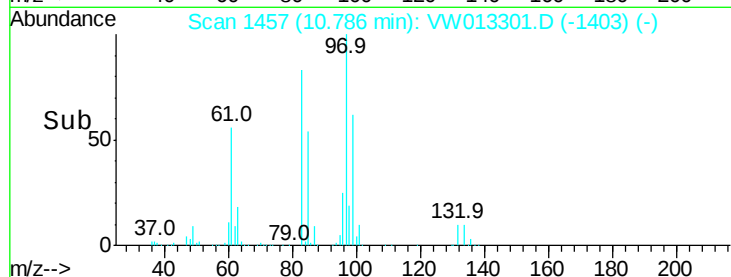


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 49.738 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Tgt Ion: 164 Resp: 301912

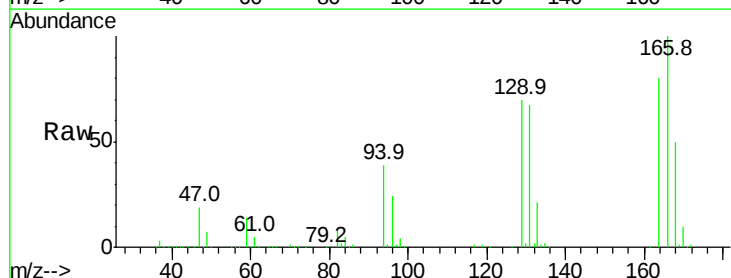
Ion Ratio Lower Upper

164 100

129 87.4 60.5 112.5

131 84.5 60.6 112.6

166 125.6 90.6 168.2

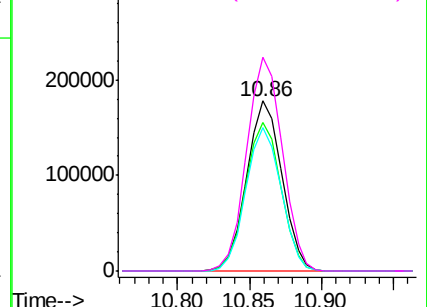
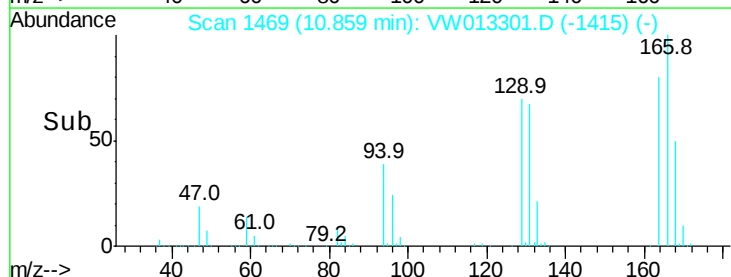


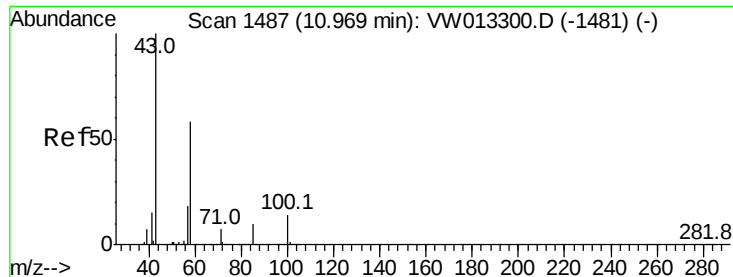
Abundance Ion 164.00 (163.70 to 164.70): V

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

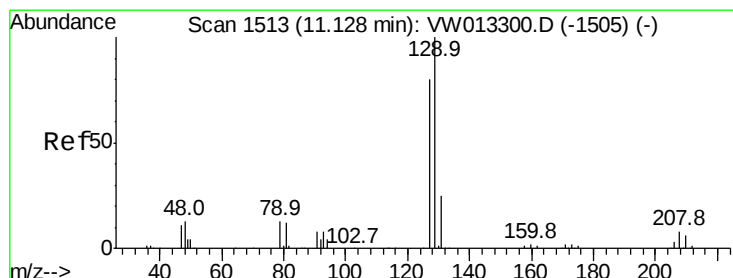
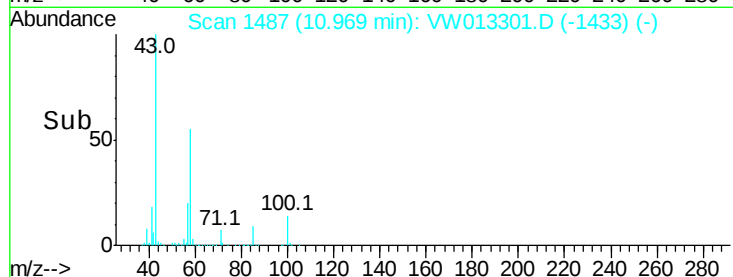
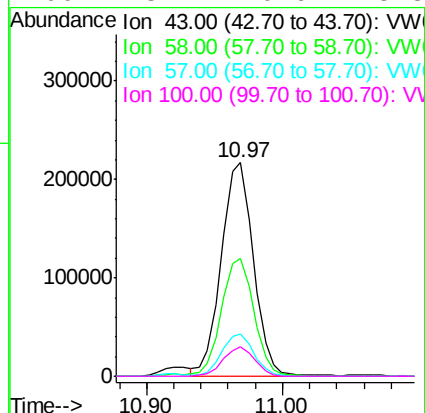
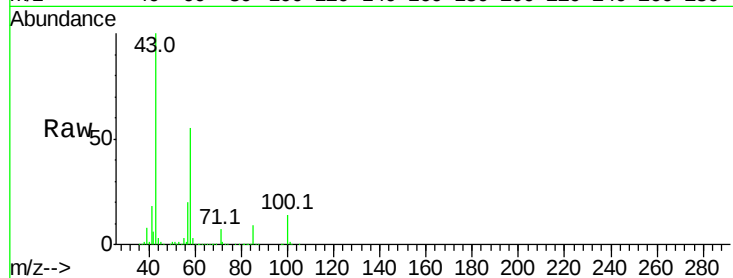




#49
2-Hexanone
Concen: 113.062 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

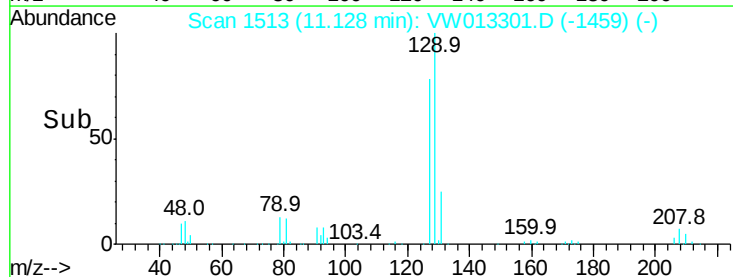
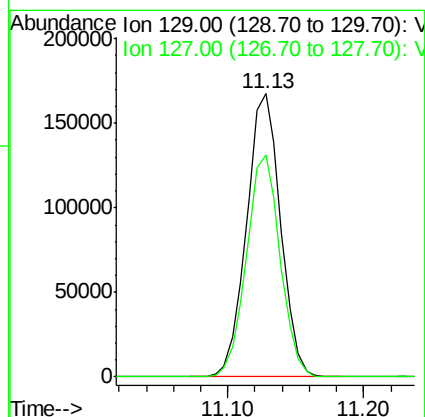
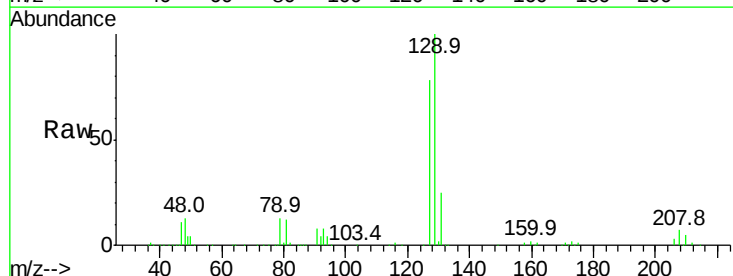
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

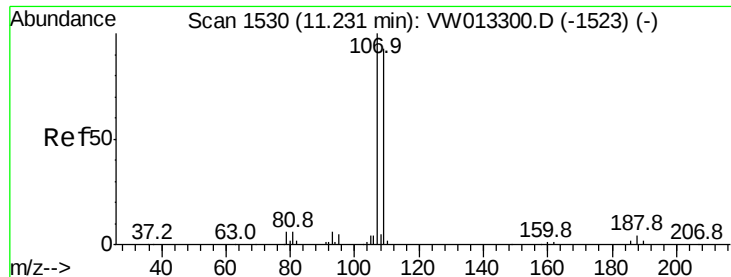
Tgt Ion:	43	Resp:	357212
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.3	66.5
57	19.3	15.3	22.9
100	13.7	10.6	15.8



#50
Dibromochloromethane
Concen: 53.277 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Tgt Ion:	129	Resp:	293164
Ion	Ratio	Lower	Upper
129	100		
127	78.3	56.1	104.1

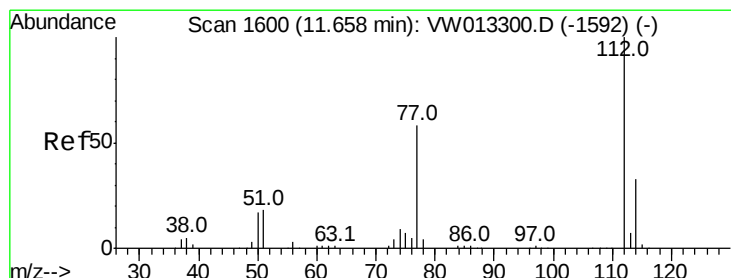
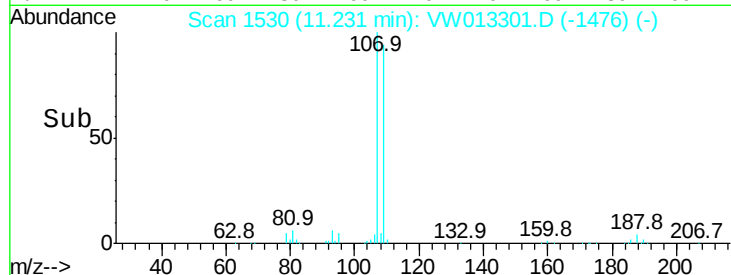
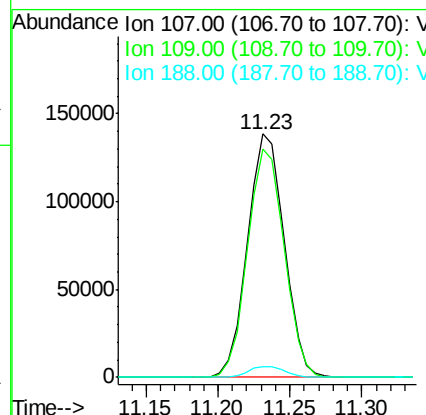
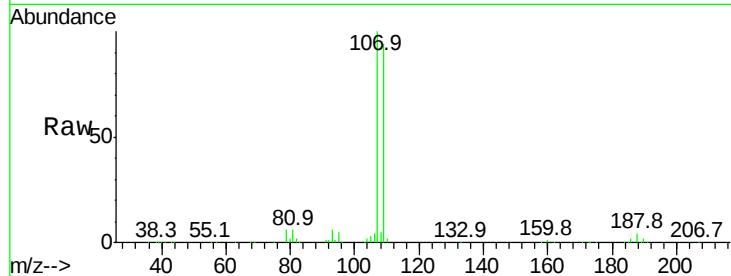




#51
1,2-Dibromoethane
Concen: 56.111 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

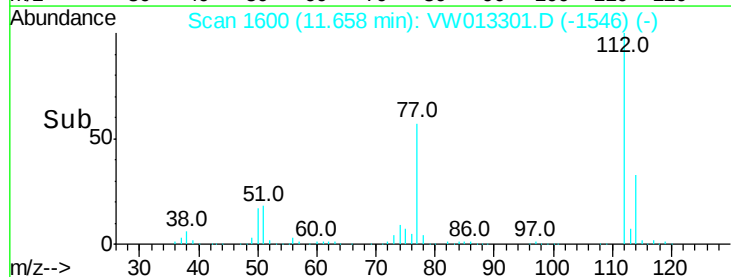
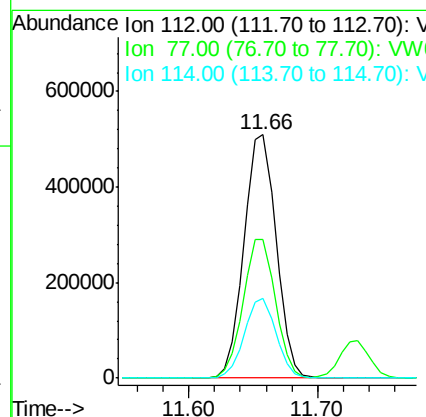
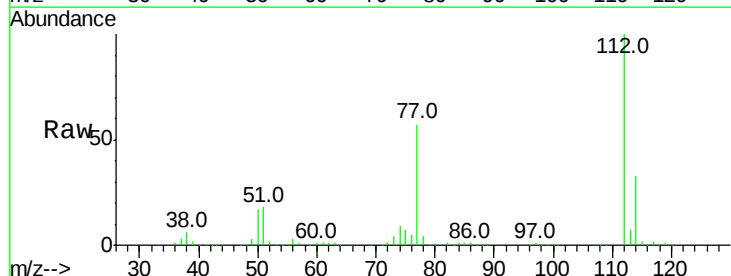
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

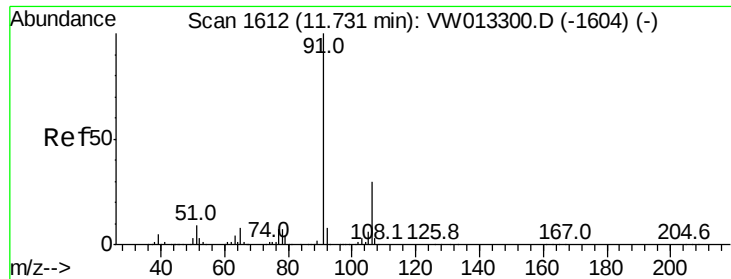
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.5	121.6
188	4.4	3.0	4.6



#52
Chlorobenzene
Concen: 49.376 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.2	46.5	69.7
114	32.9	23.0	42.8

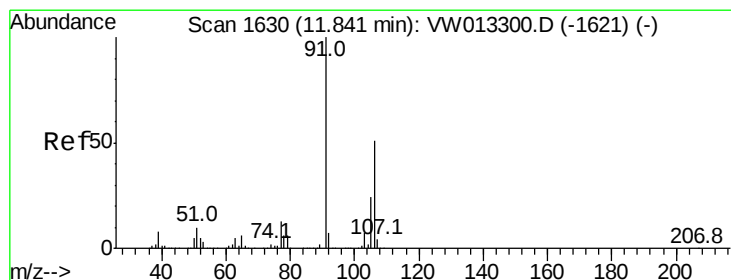
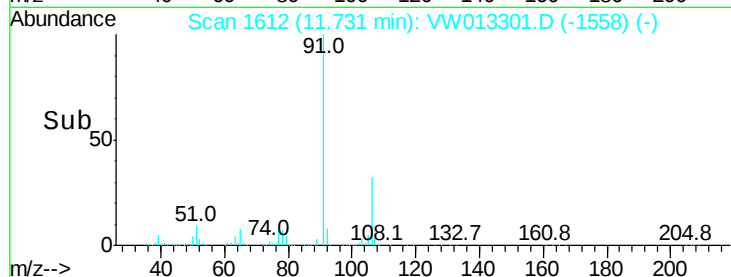
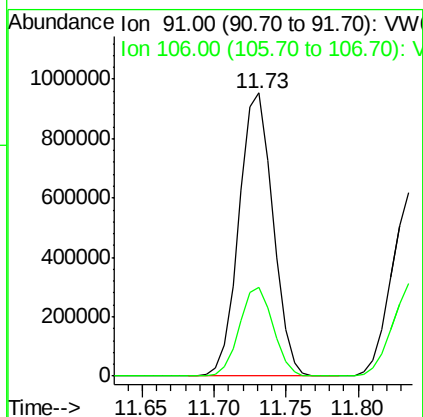
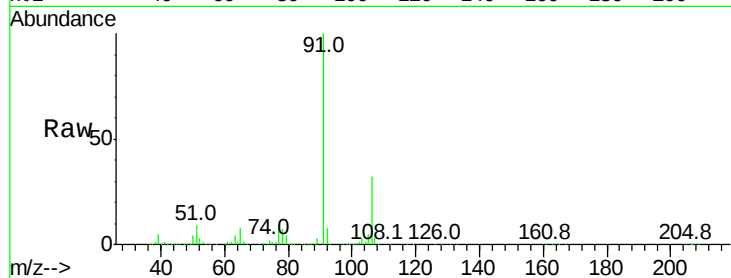




#53
Ethylbenzene
Concen: 48.178 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

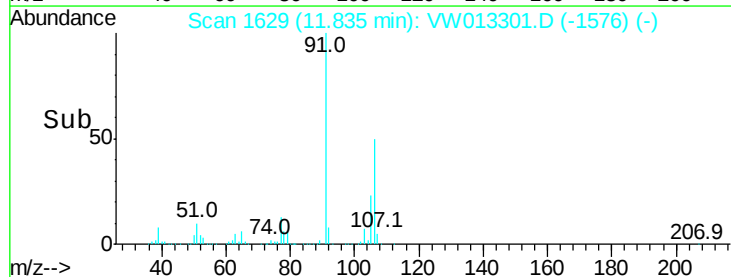
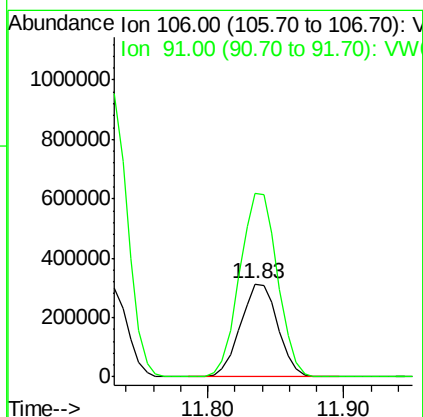
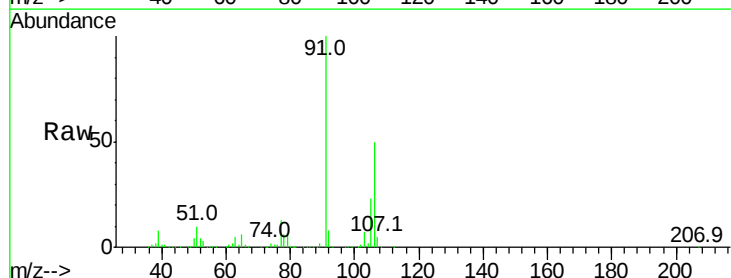
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

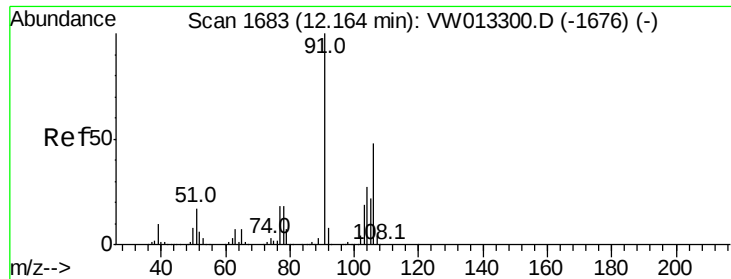
Tgt Ion: 91 Resp: 1562773
Ion Ratio Lower Upper
91 100
106 31.6 20.8 38.6



#54
m,p-Xylene
Concen: 49.518 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013301.D
Acq: 26 Sep 2019 11:35

Tgt Ion: 106 Resp: 600543
Ion Ratio Lower Upper
106 100
91 198.0 138.3 256.9





#55

o-xylene

Concen: 49.857 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

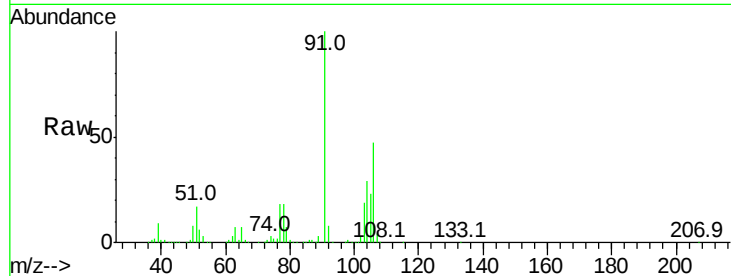
VSTD05004

Tgt Ion:106 Resp: 568819

Ion Ratio Lower Upper

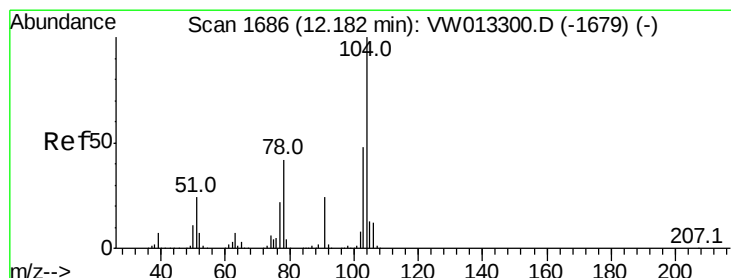
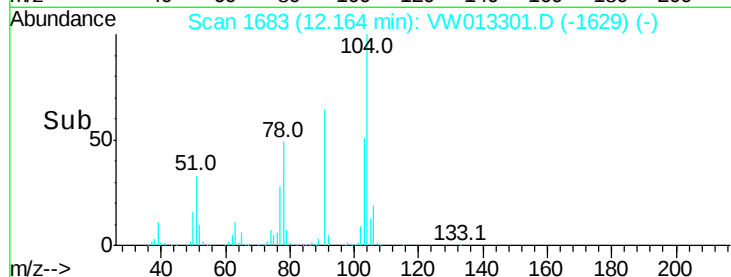
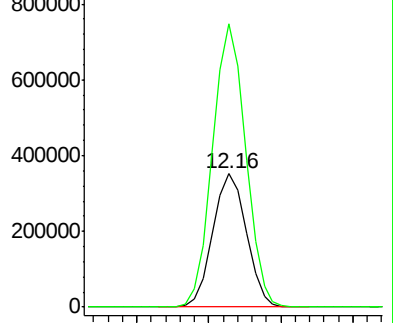
106 100

91 212.4 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 51.056 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013301.D

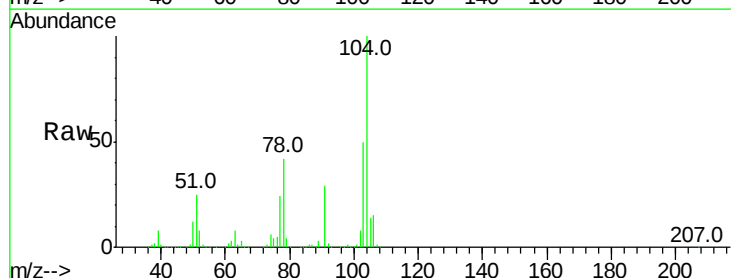
Acq: 26 Sep 2019 11:35

Tgt Ion:104 Resp: 991163

Ion Ratio Lower Upper

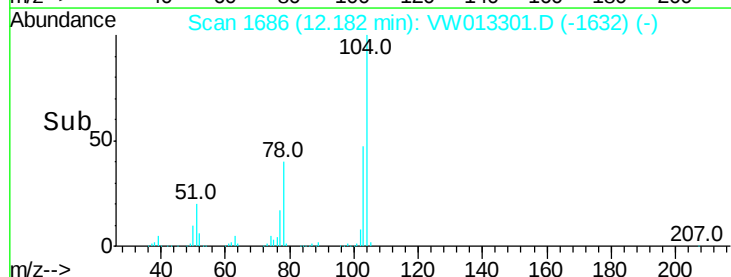
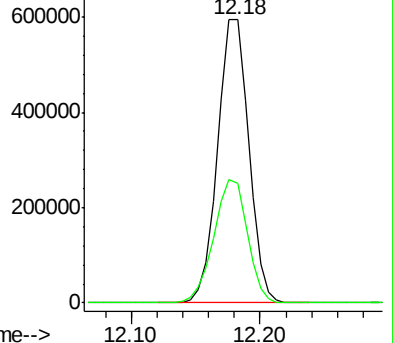
104 100

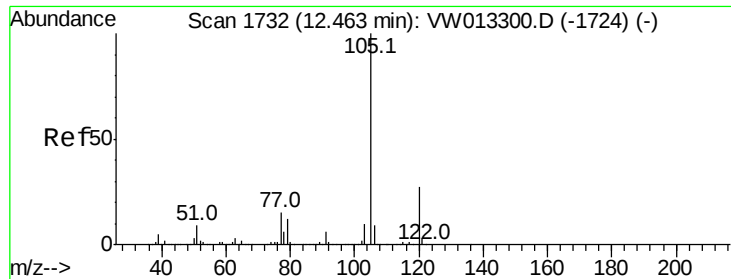
78 42.1 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 49.089 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

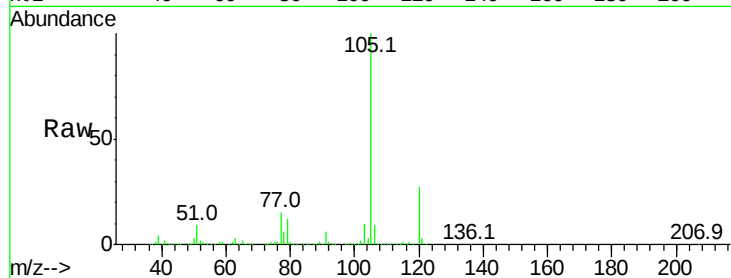
Tgt Ion:105 Resp: 1537982

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

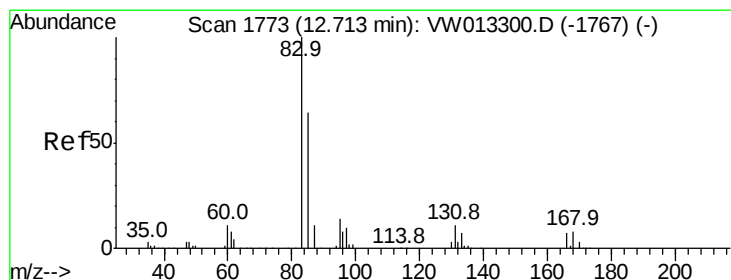
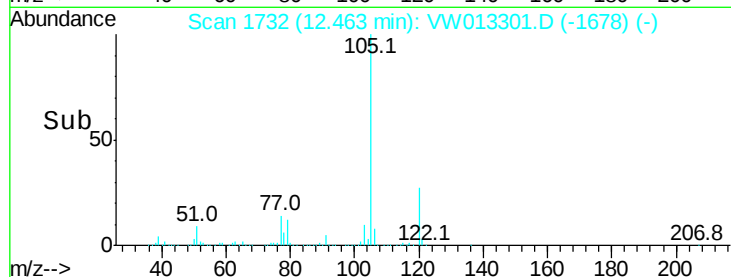
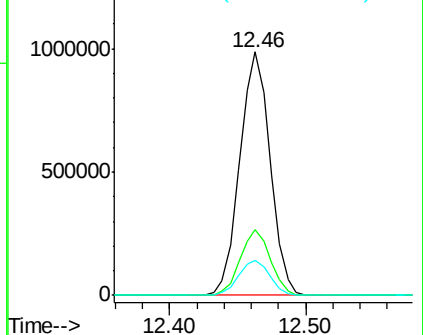
77 14.7 11.8 17.6



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: 59.639 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

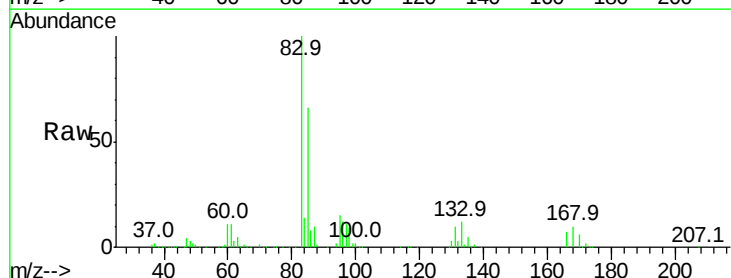
Tgt Ion: 83 Resp: 306486

Ion Ratio Lower Upper

83 100

85 65.7 45.2 84.0

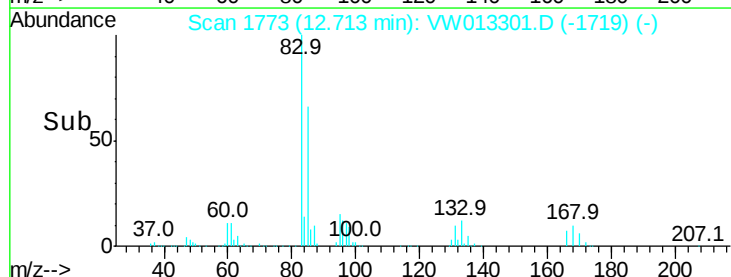
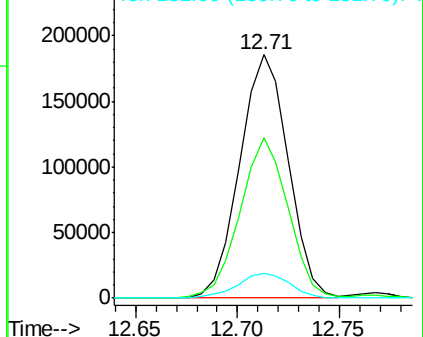
131 10.0 8.9 13.3

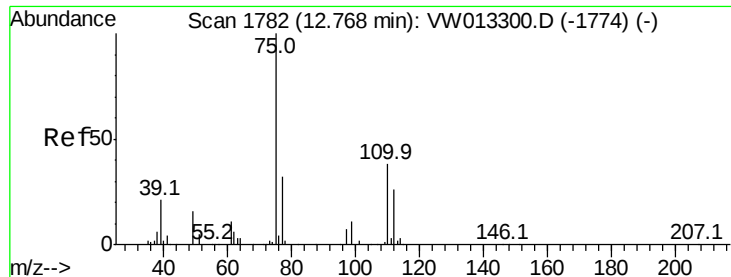


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

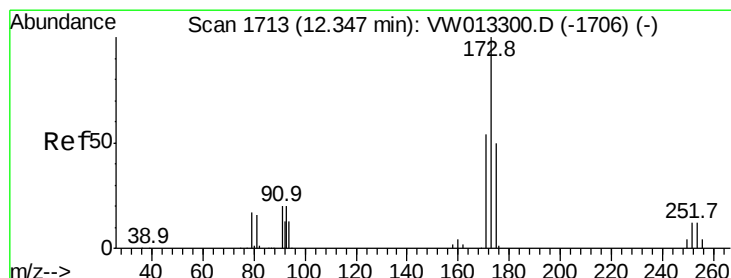
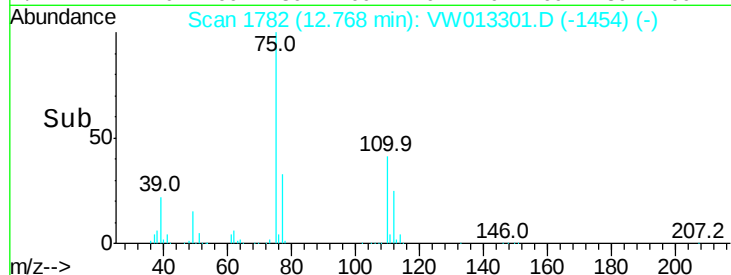
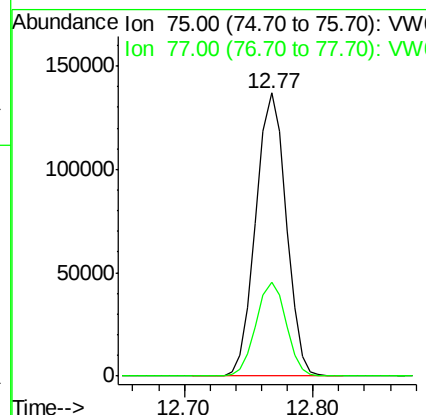
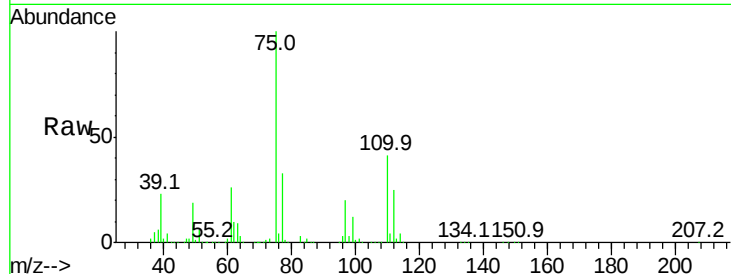




#59
 1,2,3-Trichloropropane
 Concen: 56.369 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

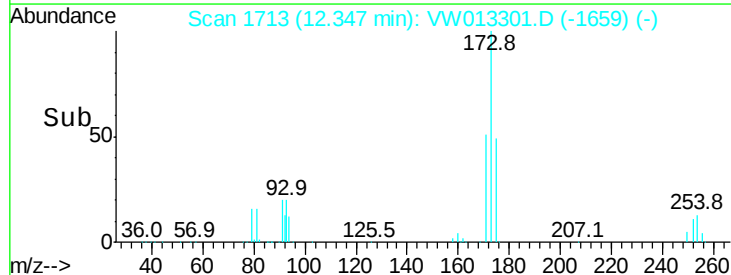
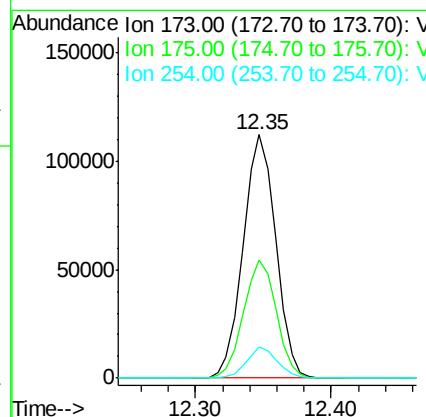
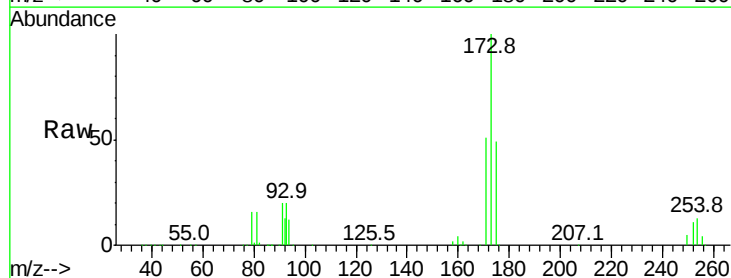
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

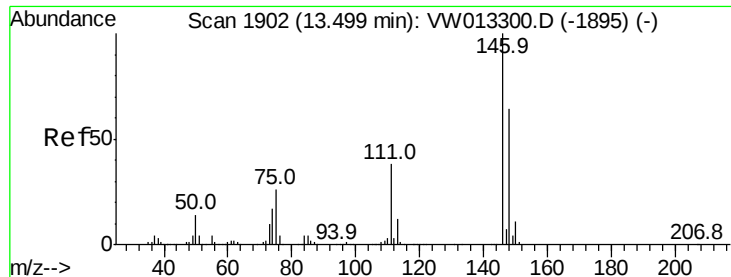
Tgt Ion: 75 Resp: 223225
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



#62
 Bromoform
 Concen: 59.458 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Tgt Ion: 173 Resp: 188646
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.3 58.9
 254 11.9 9.1 13.7

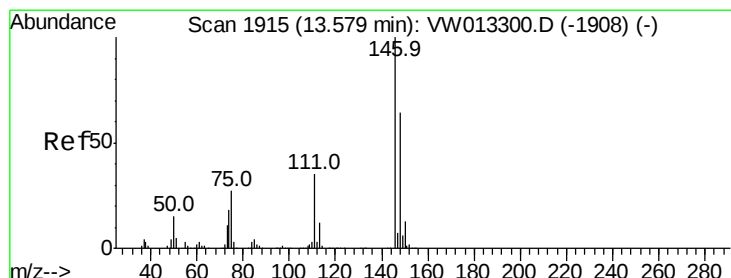
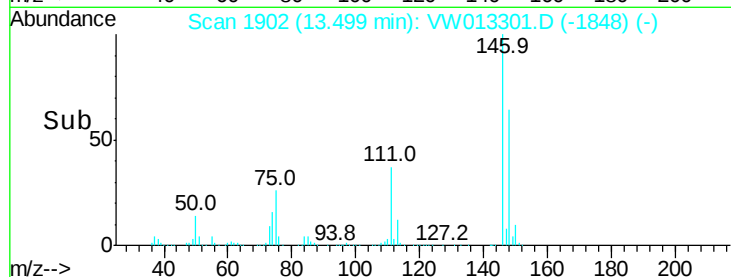
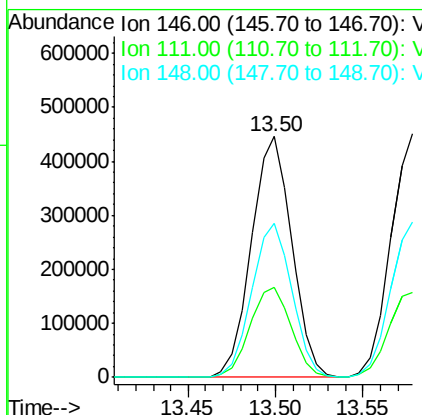
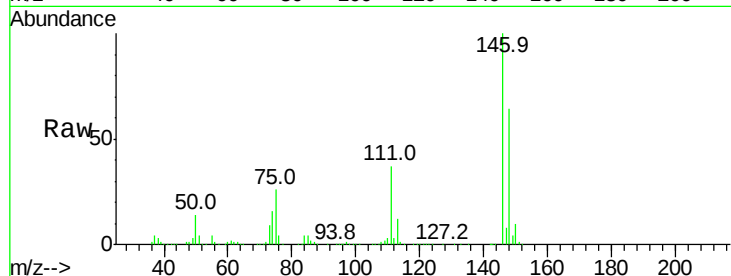




#63
 1,3-Dichlorobenzene
 Concen: 50.886 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

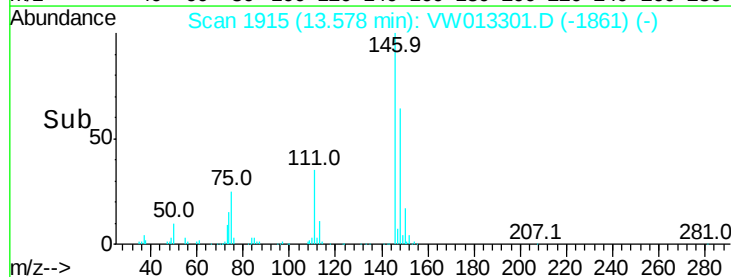
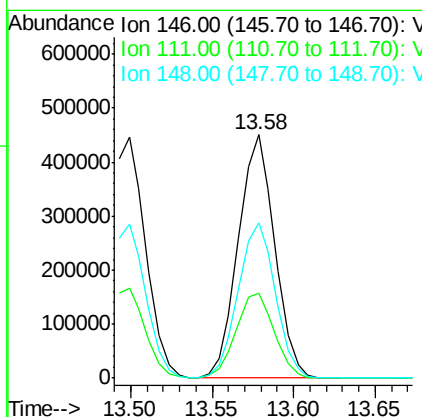
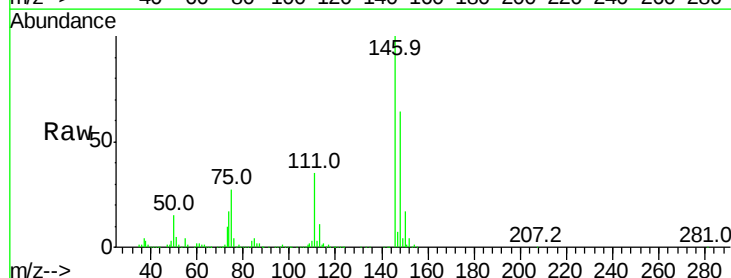
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

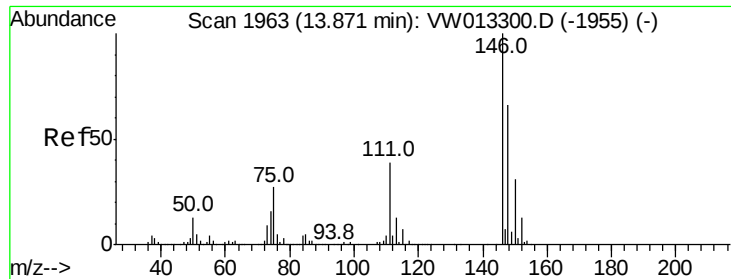
Tgt Ion:146 Resp: 715600
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.7 49.5
 148 63.8 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 50.149 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Tgt Ion:146 Resp: 703545
 Ion Ratio Lower Upper
 146 100
 111 34.8 24.2 45.0
 148 63.6 45.1 83.7

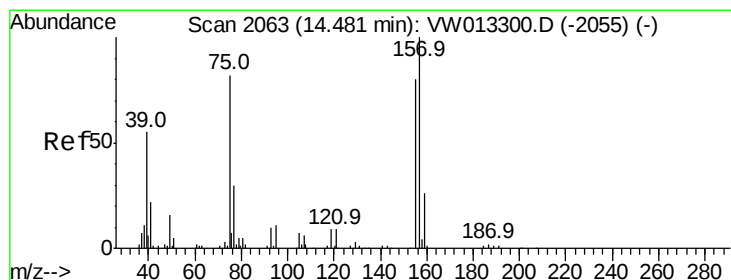
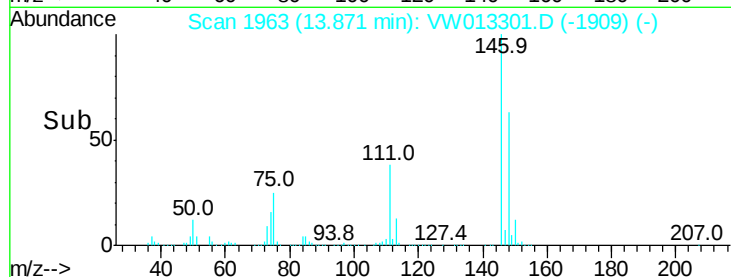
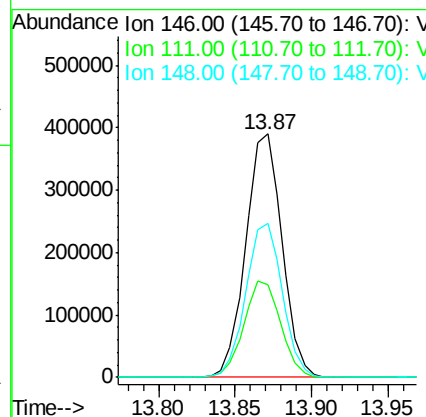
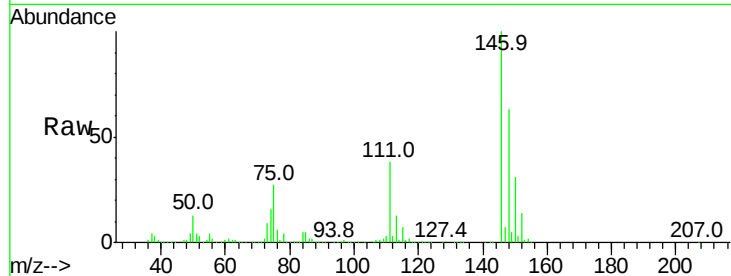




#65
 1,2-Dichlorobenzene
 Concen: 51.024 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

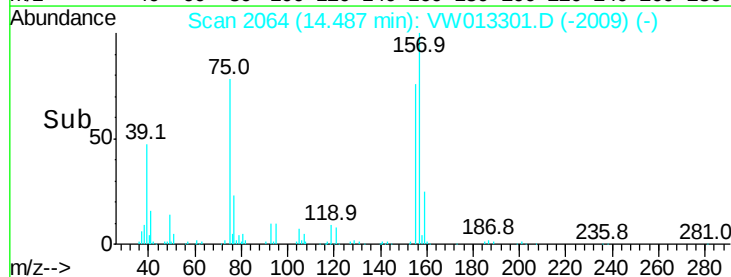
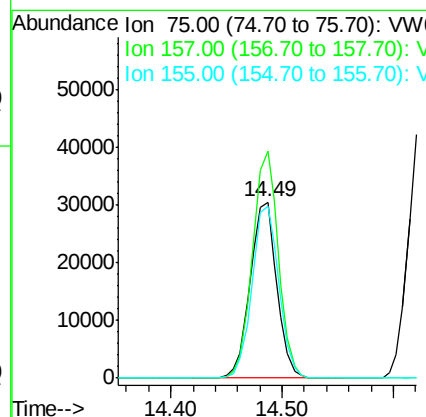
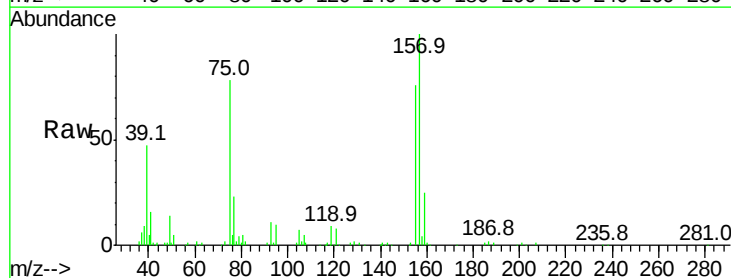
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

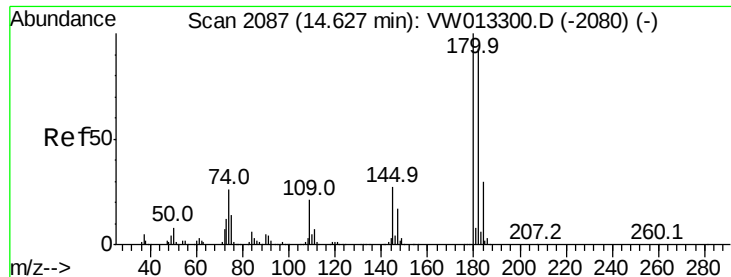
Tgt Ion: 146 Resp: 643471
 Ion Ratio Lower Upper
 146 100
 111 38.2 30.8 46.2
 148 63.2 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 57.884 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Tgt Ion: 75 Resp: 50590
 Ion Ratio Lower Upper
 75 100
 157 128.8 97.8 146.8
 155 97.7 78.4 117.6

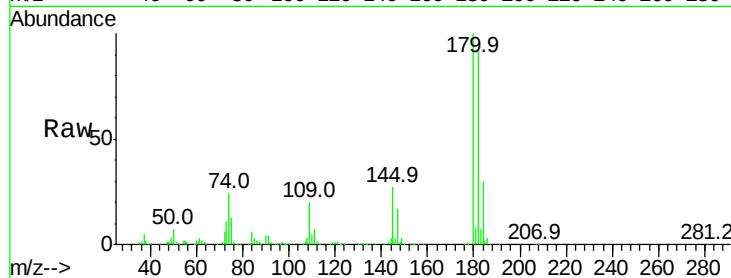




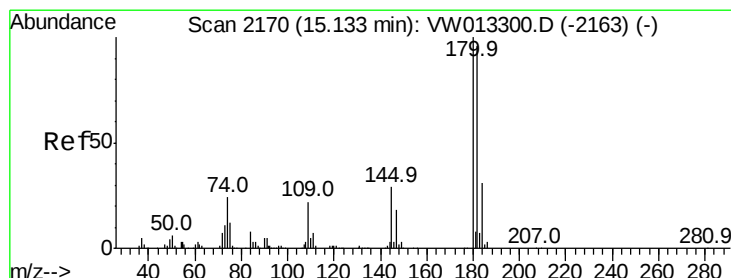
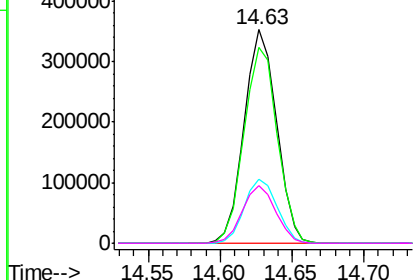
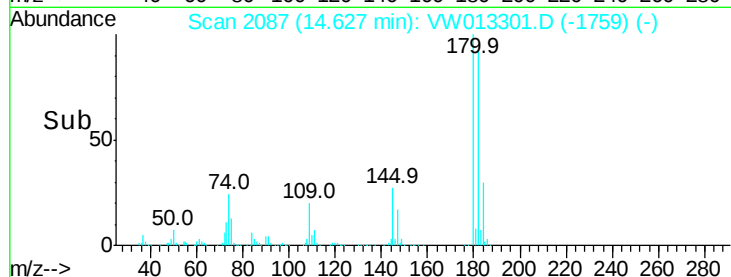
#67
 1,3,5-Trichlorobenzene
 Concen: 50.884 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Tgt Ion:	180	Resp:	550438
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.4	114.6
184	30.6	23.9	35.9
145	27.5	21.7	32.5

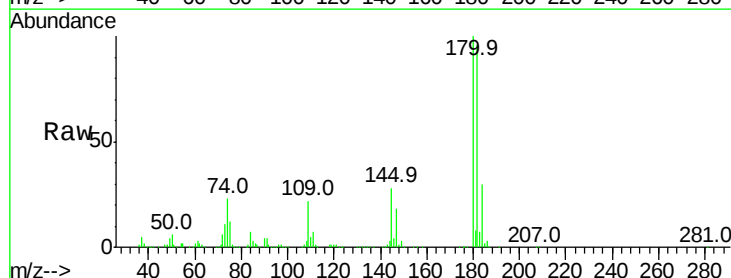


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

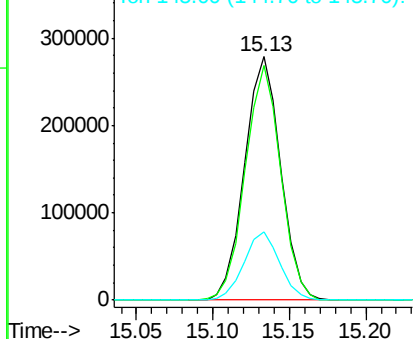
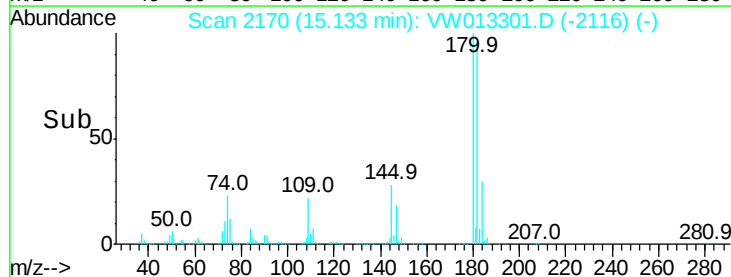


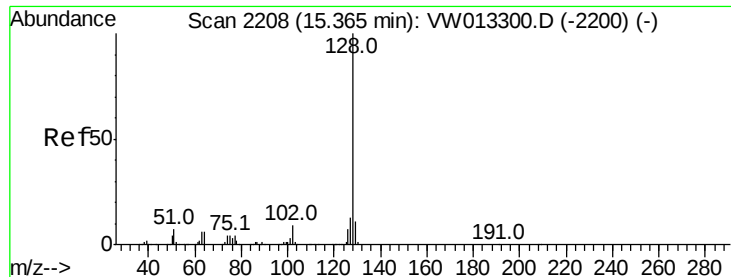
#68
 1,2,4-trichlorobenzene
 Concen: 53.094 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013301.D
 Acq: 26 Sep 2019 11:35

Tgt Ion:	180	Resp:	455299
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
145	27.8	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: 66.244 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

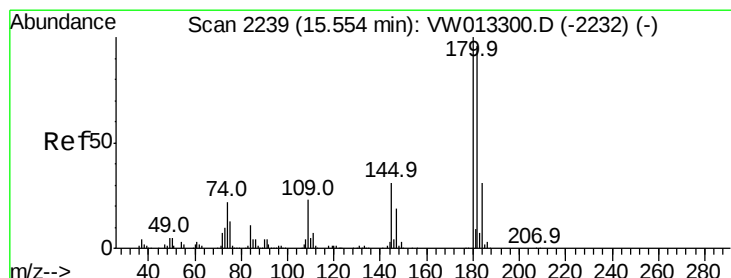
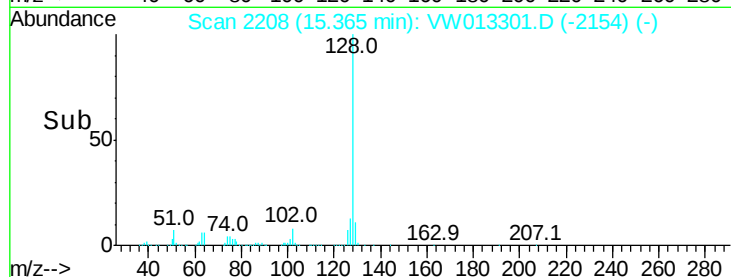
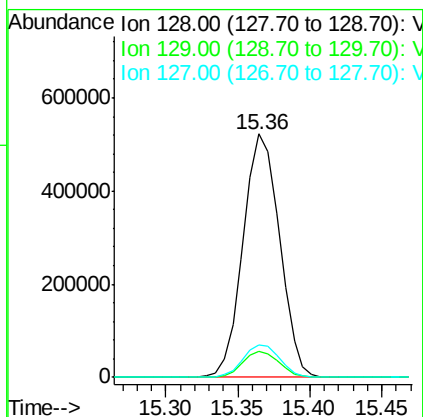
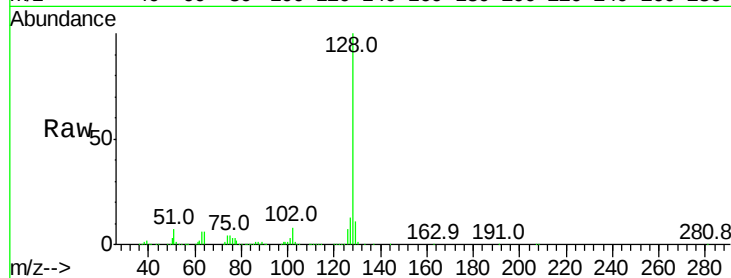
Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion:	128	Resp:	919997
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.3	10.6	15.8



#70

1,2,3-Trichlorobenzene

Concen: 53.806 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013301.D

Acq: 26 Sep 2019 11:35

Tgt Ion:	180	Resp:	407104
Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.2	117.4
145	29.8	24.1	36.1

