

Data File : VW005523.D
Acq On : 19 Sep 2018 20:30
Operator : SY/AP
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 20 08:27:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 20 08:25:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	433603	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	410597	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	212766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145484	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
7) Chloroethane-d5	2.89	69	114597	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.52%
10) 1,1-Dichloroethene-d2	4.01	63	314147	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.80%
20) 2-Butanone-d5	7.09	46	100144	43.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.90%
24) Chloroform-d	7.65	84	302569	25.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.84%
26) 1,2-Dichloroethane-d4	8.31	65	182369	25.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.96%
29) Benzene-d6	8.28	84	601719	24.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.16%
33) 1,2-Dichloropropane-d6	9.27	67	183805	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
37) Toluene-d8	10.33	98	571678	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.32%
38) trans-1,3-Dichloropropene-	10.58	79	85827	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.20%
39) 2-Hexanone-d5	10.93	63	82837	47.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	162668	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	204174	24.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	148237	24.563	ug/L	96
3) Chloromethane	2.21	50	144125	22.669	ug/L	100
5) Vinyl chloride	2.37	62	155203	25.198	ug/L	98
6) Bromomethane	2.78	94	90118	23.586	ug/L	100
8) Chloroethane	2.93	64	89106	23.756	ug/L	99
9) Trichlorofluoromethane	3.26	101	123933	23.205	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140473	24.641	ug/L	98
12) 1,1-Dichloroethene	4.03	96	129357	24.118	ug/L	91
13) Acetone	4.12	43	69211	35.479	ug/L	98
14) Carbon disulfide	4.37	76	411549	23.633	ug/L	98
15) Methyl Acetate	4.67	43	81938	21.520	ug/L	100
16) Methylene chloride	4.92	84	144408	20.136	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	211667	24.535	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	138189	24.208	ug/L	98
19) 1,1-Dichloroethane	6.21	63	265695	24.399	ug/L	98
21) 2-Butanone	7.18	43	106570	39.853	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	152739	24.671	ug/L	97

Data File : VW005523.D
Acq On : 19 Sep 2018 20:30
Operator : SY/AP
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 20 08:27:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 20 08:25:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67565	24.543	ug/L	98
25) Chloroform	7.68	83	274278	24.952	ug/L	99
27) 1,2-Dichloroethane	8.40	62	201009	24.783	ug/L	100
30) Cyclohexane	7.96	56	260346	24.299	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	230232	24.550	ug/L	100
32) Carbon tetrachloride	8.07	117	221941	24.841	ug/L	99
34) Benzene	8.32	78	602667	24.321	ug/L	100
35) Trichloroethene	9.09	95	153201	23.903	ug/L	100
36) Methylcyclohexane	9.34	83	282156	24.558	ug/L	99
40) 1,2-Dichloropropane	9.37	63	156698	24.355	ug/L	100
41) Bromodichloromethane	9.65	83	195905	24.695	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	235502	24.895	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	237201	45.963	ug/L	99
44) Toluene	10.39	91	639459	24.956	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	215566	24.959	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	113954	23.892	ug/L	97
47) Tetrachloroethene	10.87	164	126916	24.286	ug/L	97
49) 2-Hexanone	10.98	43	174221	46.719	ug/L	99
50) Dibromochloromethane	11.13	129	133717	23.840	ug/L	90
51) 1,2-Dibromoethane	11.24	107	111449	24.706	ug/L	100
52) Chlorobenzene	11.66	112	408899	24.627	ug/L	97
53) Ethylbenzene	11.74	91	750467	25.218	ug/L	99
54) m,p-Xylene	11.85	106	277425	25.390	ug/L	97
55) o-xylene	12.17	106	262127	25.347	ug/L	99
56) Styrene	12.18	104	467044	26.251	ug/L	94
57) Isopropylbenzene	12.47	105	742787	25.659	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	153127	23.609	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	119289	23.059	ug/L	99
62) Bromoform	12.35	173	88108	23.880	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	328288	24.406	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	338947	24.540	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	312621	24.706	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	28334	21.584	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	260008	24.676	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	217126	25.123	ug/L	99
69) Naphthalene	15.38	128	445778	24.300	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	199652	24.464	ug/L	99

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

Data File : VW005523.D

Acq On : 19 Sep 2018 20:30

Operator : SY/AP

Sample : VSTDICV025

Misc : 5.00G/10ML/MSVOA_W/SOIL

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

Instrument :
MSVOA_W
ClientSampleId :

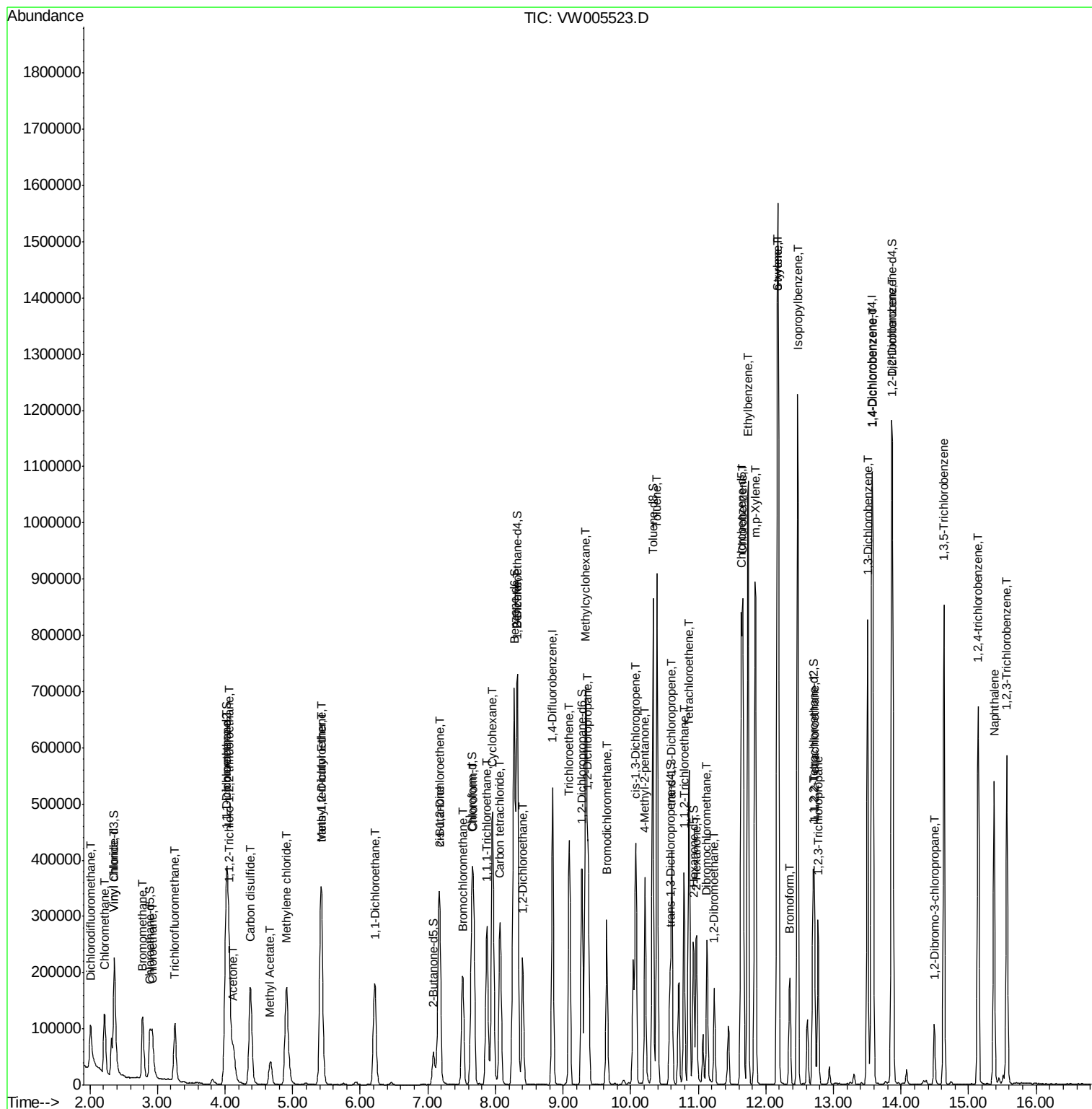
Quant Time: Sep 20 08:27:12 2018

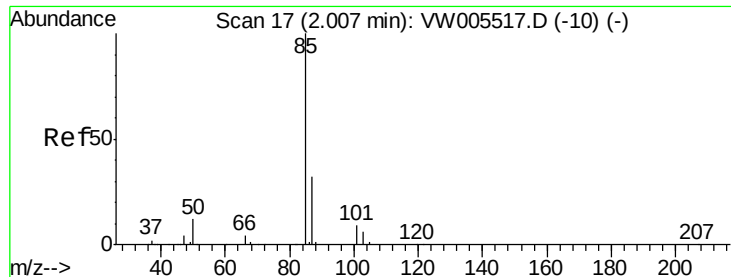
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM091918S.M

Quant Title : VOC Analysis

QLast Update : Thu Sep 20 08:25:04 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.563 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

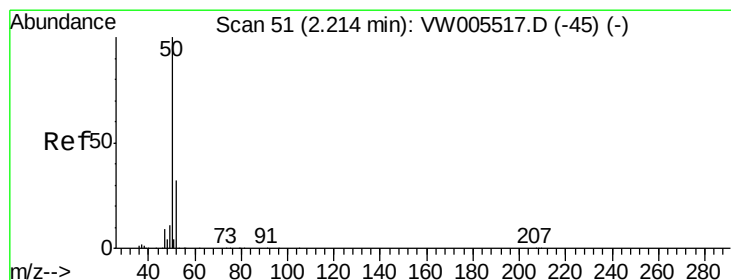
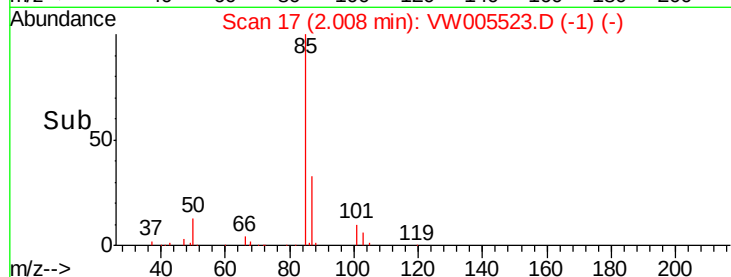
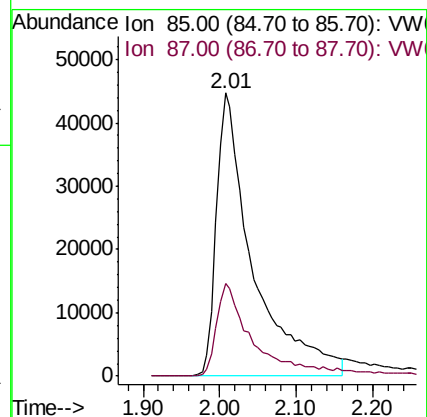
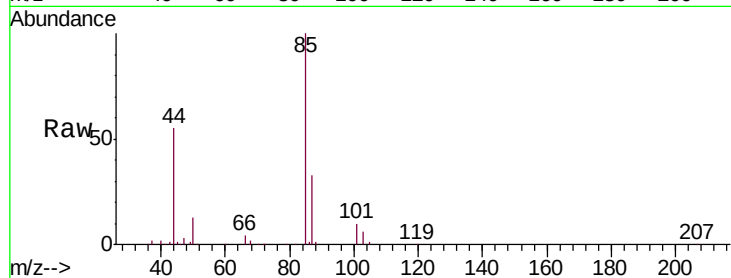
ClientSampleId :

Tgt Ion: 85 Resp: 148237

Ion Ratio Lower Upper

85 100

87 28.2 21.2 39.4



#3

Chloromethane

Concen: 22.669 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005523.D

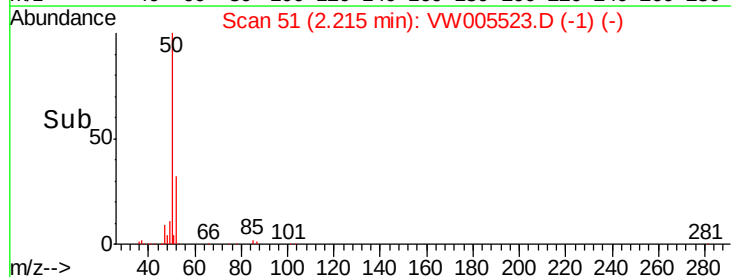
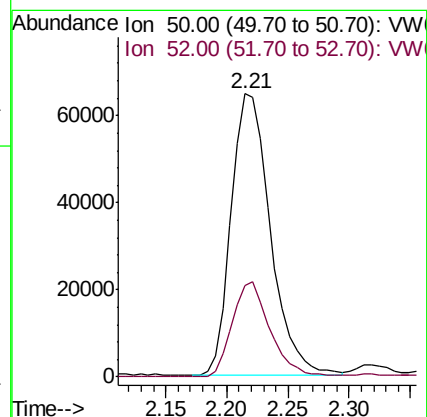
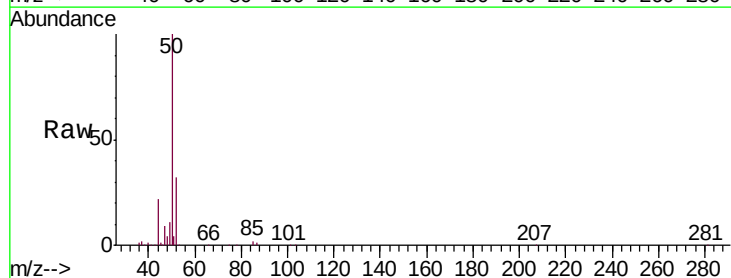
Acq: 19 Sep 2018 20:30

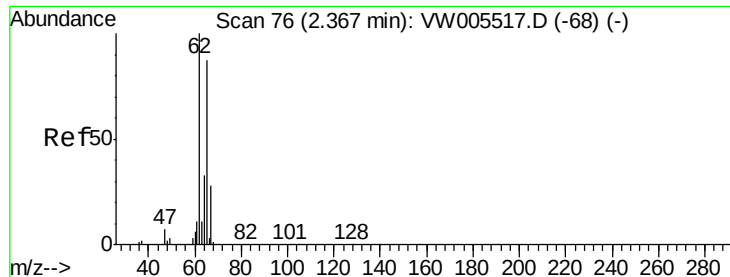
Tgt Ion: 50 Resp: 144125

Ion Ratio Lower Upper

50 100

52 32.1 22.4 41.6





#5

Vinyl chloride

Concen: 25.198 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

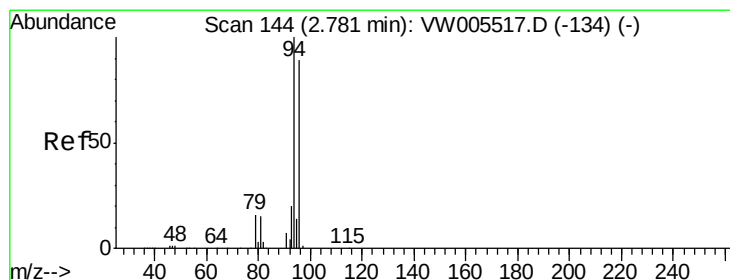
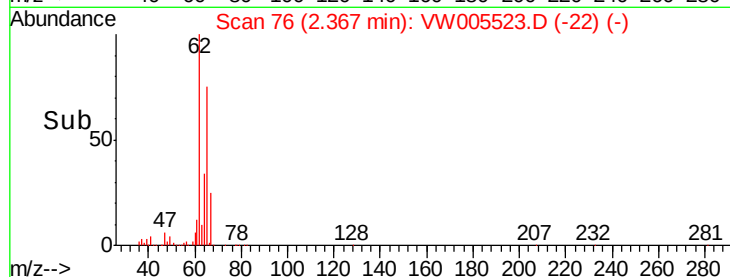
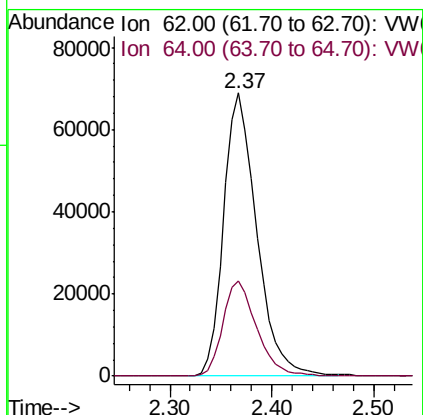
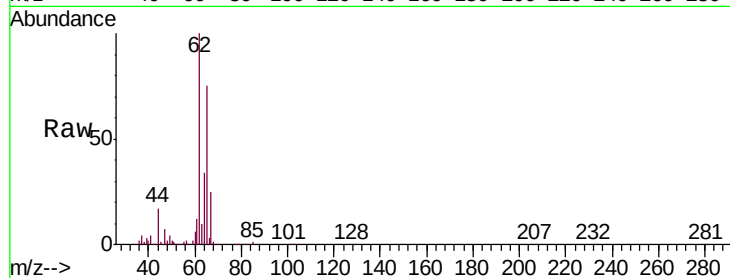
ClientSampleId :

Tgt Ion: 62 Resp: 155203

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



#6

Bromomethane

Concen: 23.586 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005523.D

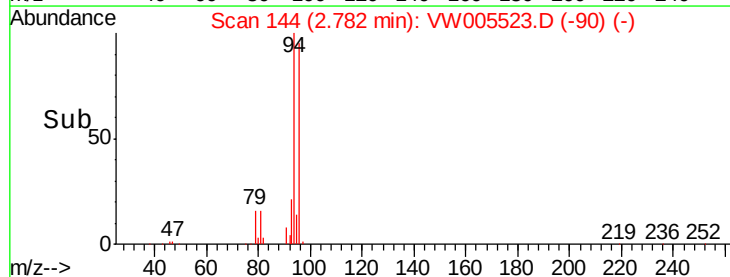
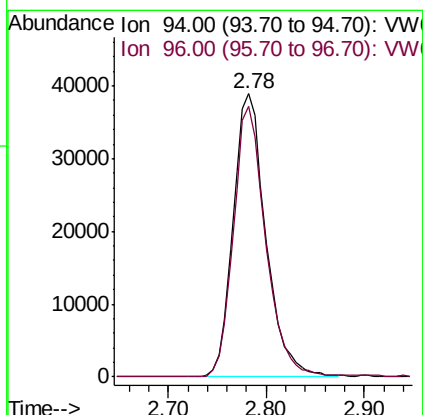
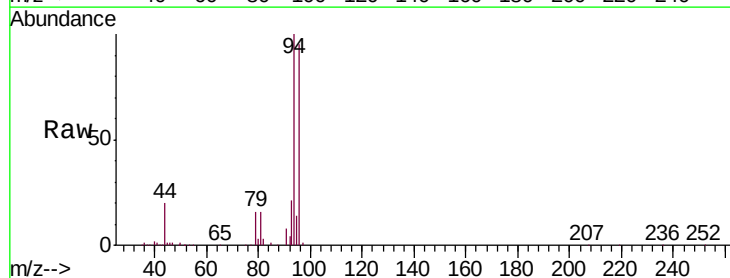
Acq: 19 Sep 2018 20:30

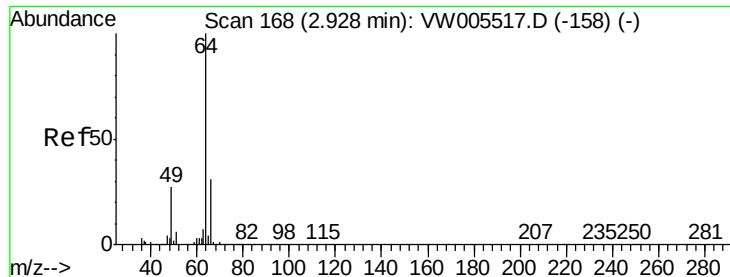
Tgt Ion: 94 Resp: 90118

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.6





#8

Chloroethane

Concen: 23.756 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

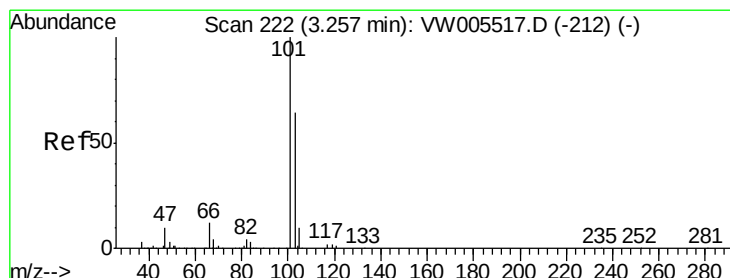
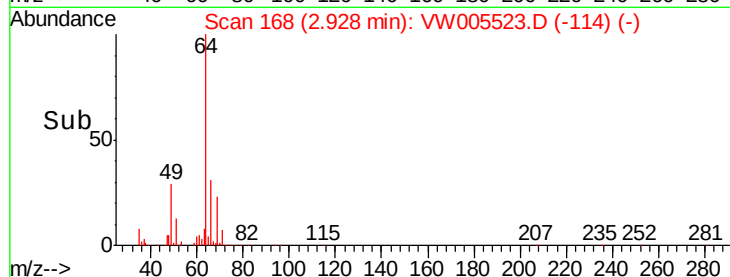
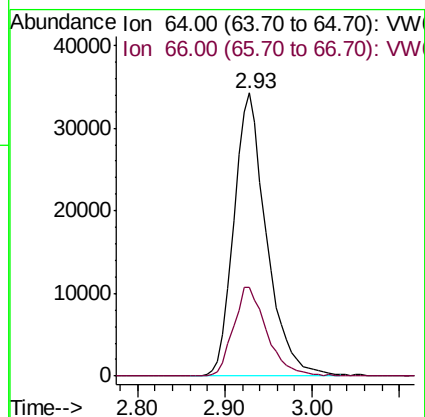
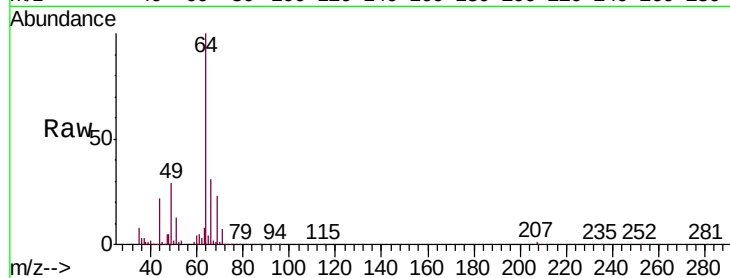
ClientSampleId :

Tgt Ion: 64 Resp: 89106

Ion Ratio Lower Upper

64 100

66 31.2 21.5 39.9



#9

Trichlorofluoromethane

Concen: 23.205 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005523.D

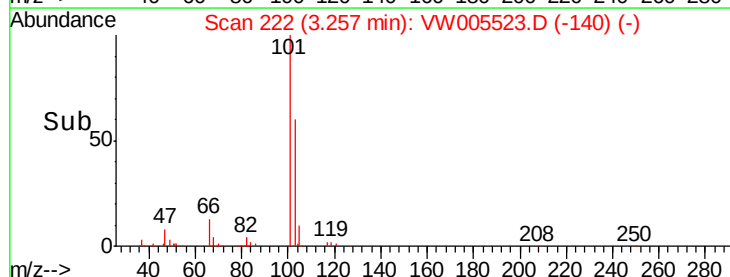
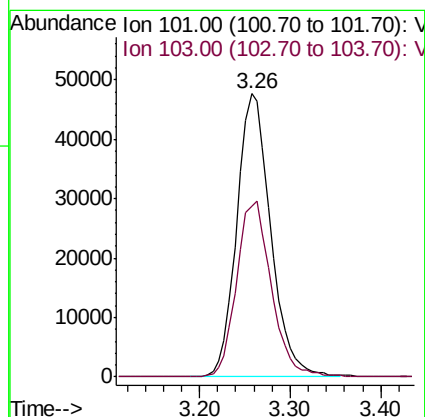
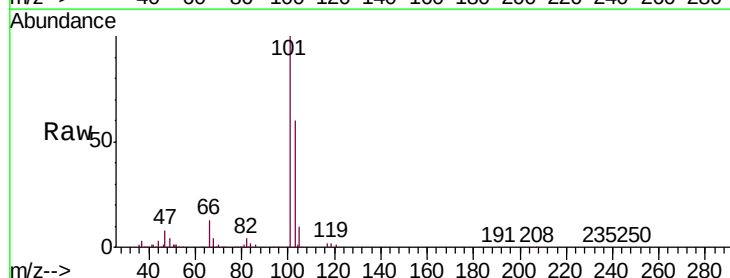
Acq: 19 Sep 2018 20:30

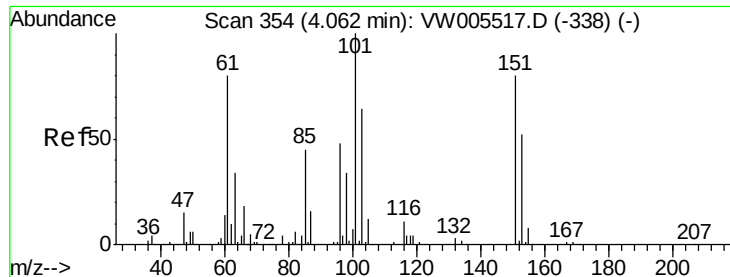
Tgt Ion: 101 Resp: 123933

Ion Ratio Lower Upper

101 100

103 63.5 45.3 84.1





#11

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

Concen: 24.641 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

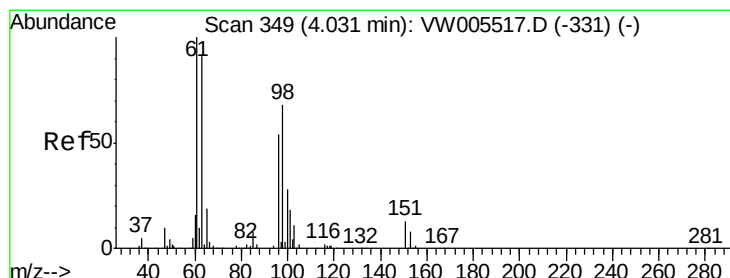
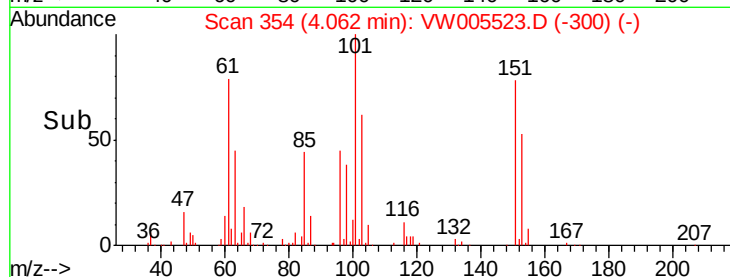
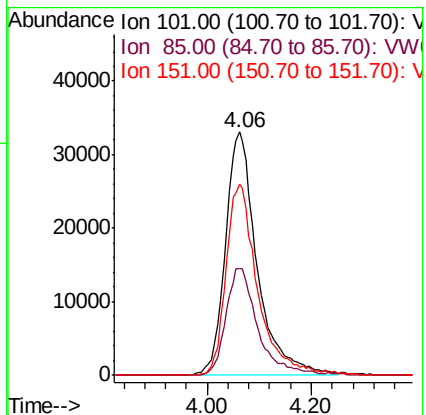
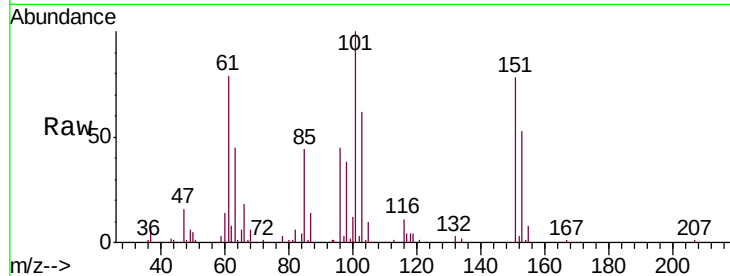
Tgt Ion:101 Resp: 140473

Ion Ratio Lower Upper

101 100

85 41.5 34.7 52.1

151 77.5 61.1 91.7



#12

1,1-Dichloroethene

Concen: 24.118 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

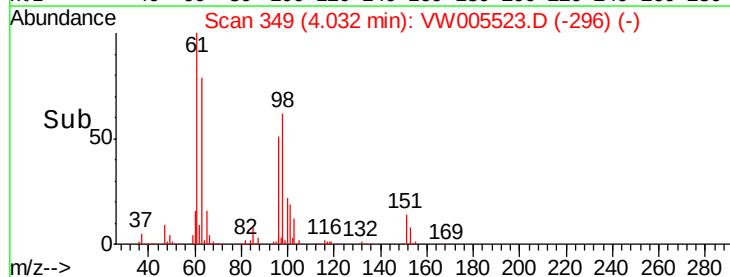
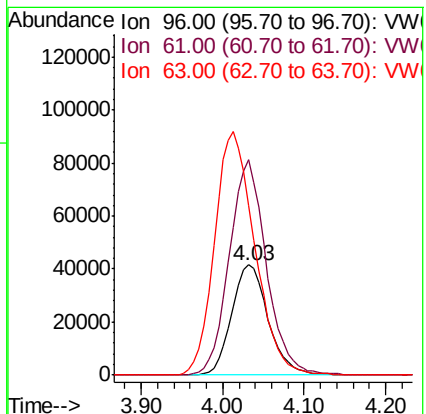
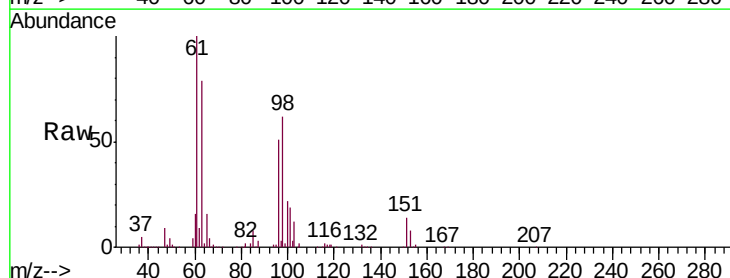
Tgt Ion: 96 Resp: 129357

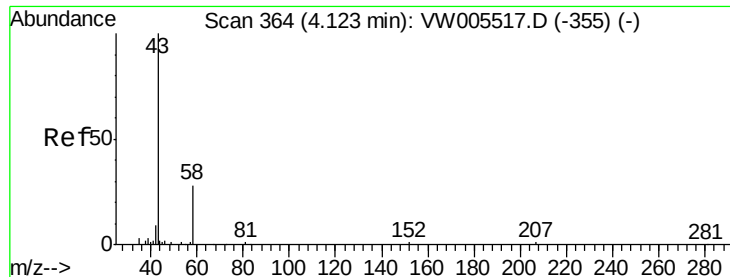
Ion Ratio Lower Upper

96 100

61 194.9 129.5 240.5

63 153.0 117.5 218.3





#13

Acetone

Concen: 35.479 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

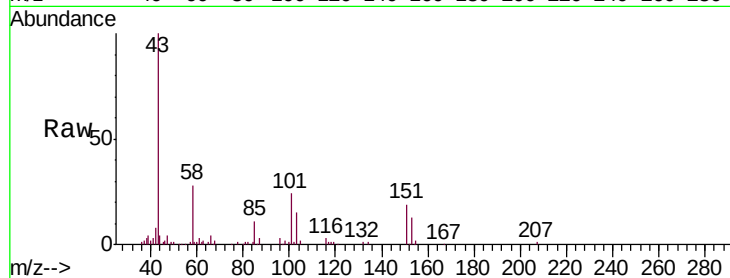
ClientSampled :

Tgt Ion: 43 Resp: 69211

Ion Ratio Lower Upper

43 100

58 28.4 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

10000

5000

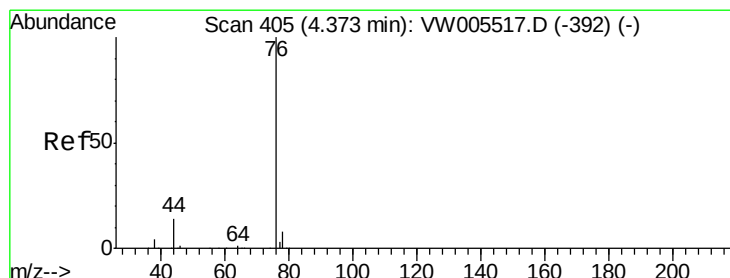
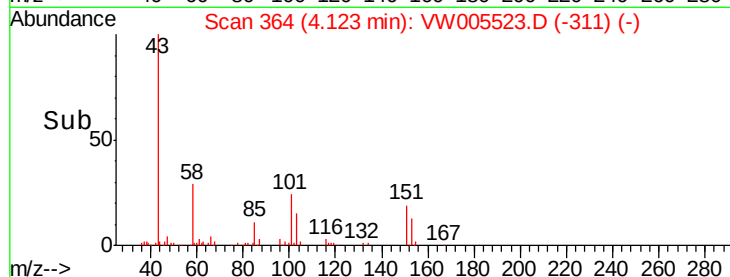
0

4.00

4.10

4.20

Time-->



#14

Carbon disulfide

Concen: 23.633 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005523.D

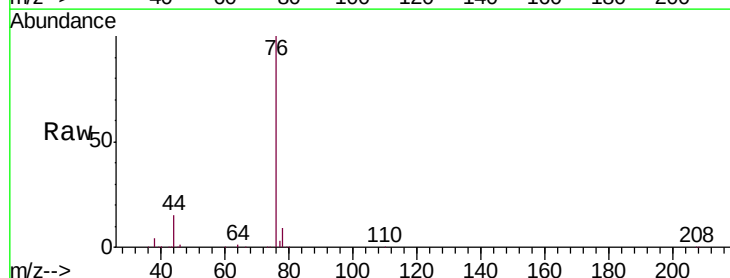
Acq: 19 Sep 2018 20:30

Tgt Ion: 76 Resp: 411549

Ion Ratio Lower Upper

76 100

78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

150000

100000

50000

0

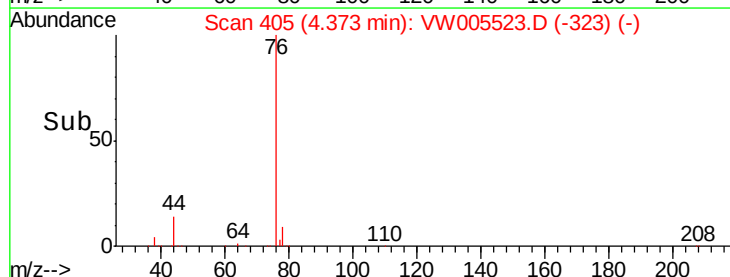
4.20

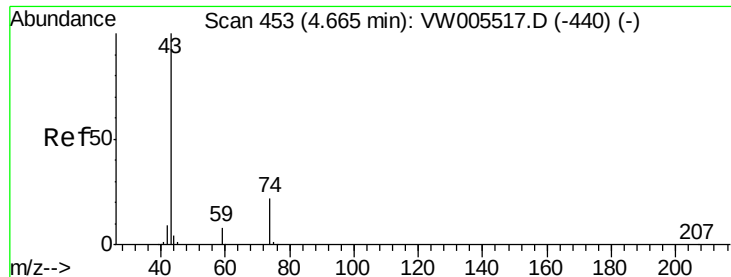
4.30

4.40

4.50

Time-->





#15

Methyl Acetate

Concen: 21.520 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

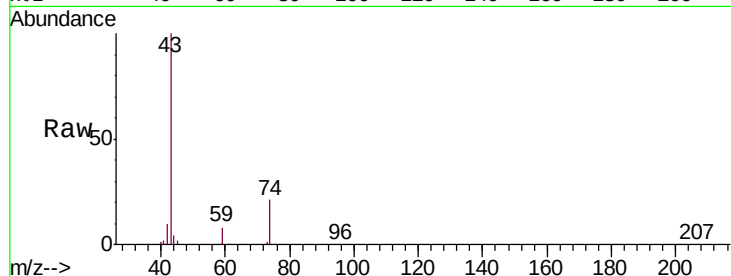
ClientSampleId :

Tgt Ion: 43 Resp: 81938

Ion Ratio Lower Upper

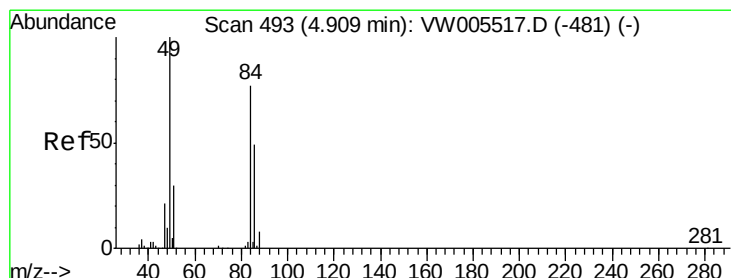
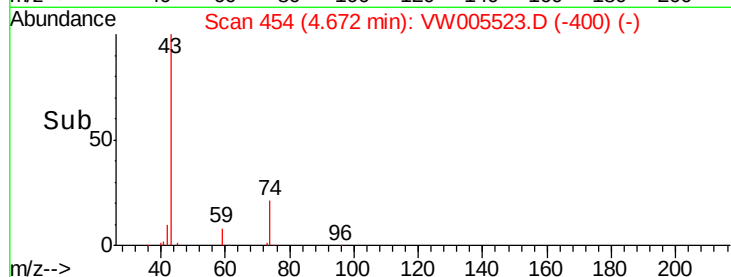
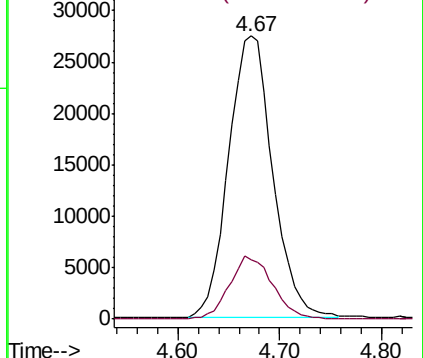
43 100

74 21.8 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 20.136 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

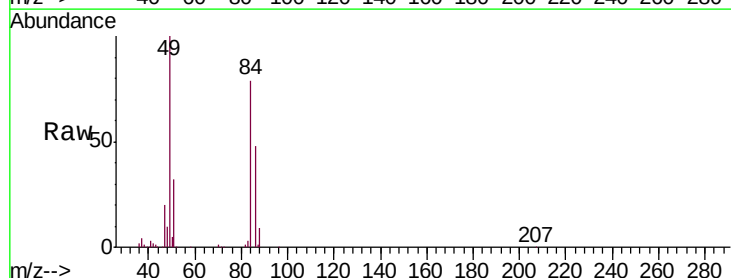
Tgt Ion: 84 Resp: 144408

Ion Ratio Lower Upper

84 100

49 126.0 91.5 169.9

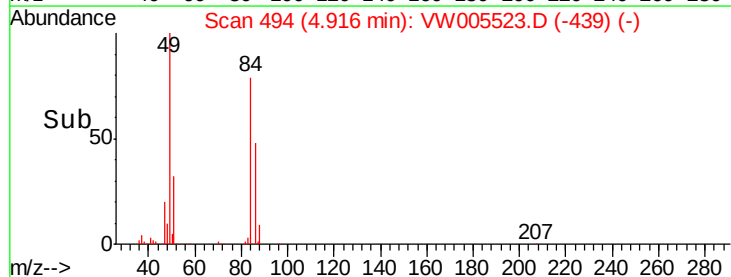
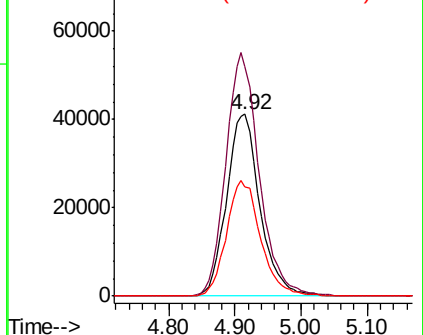
86 60.2 44.8 83.2

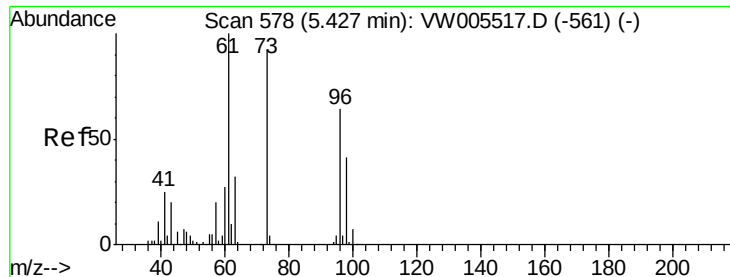


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

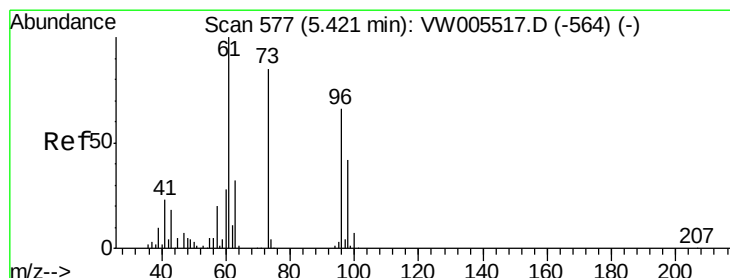
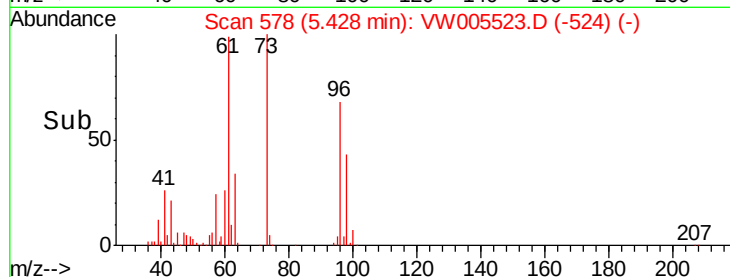
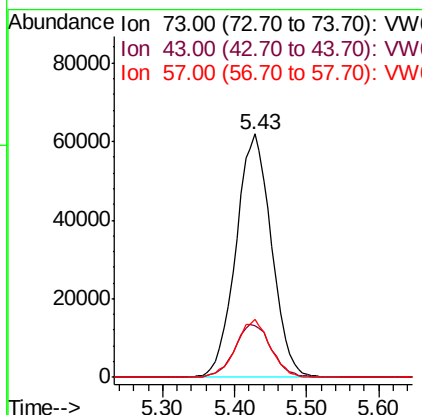
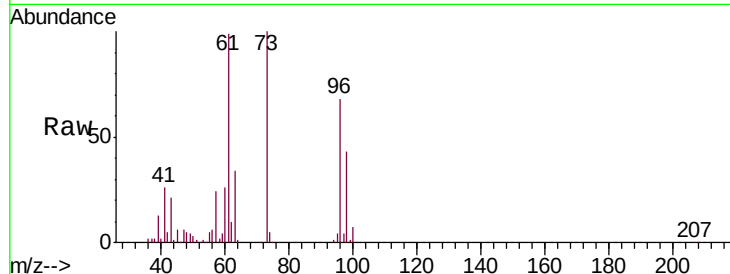




#17
Methyl tert-butyl Ether
Concen: 24.535 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

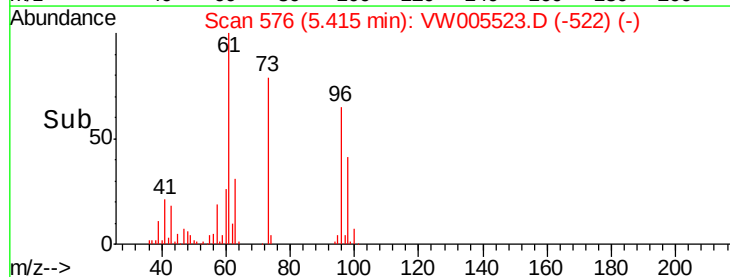
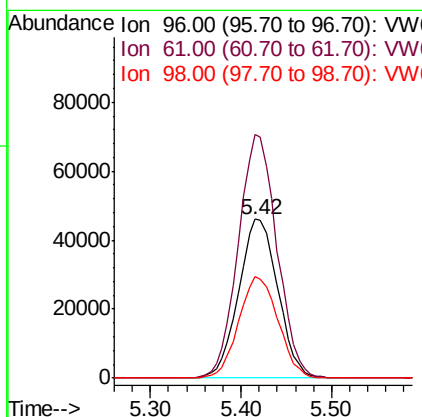
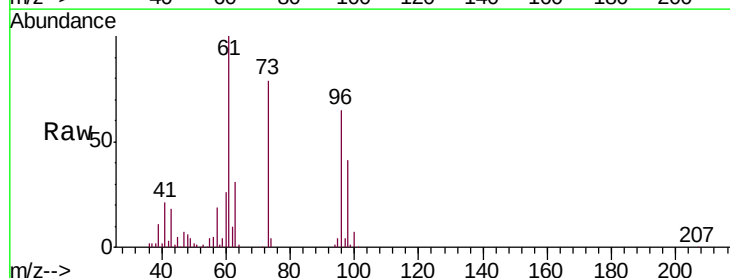
Instrument :
MSVOA_W
ClientSampleId :

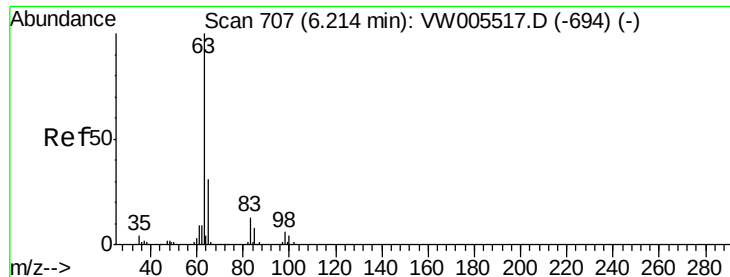
Tgt Ion: 73 Resp: 211667
Ion Ratio Lower Upper
73 100
43 22.2 17.6 26.4
57 22.8 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 24.208 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion: 96 Resp: 138189
Ion Ratio Lower Upper
96 100
61 153.2 105.4 195.8
98 63.5 44.1 81.9

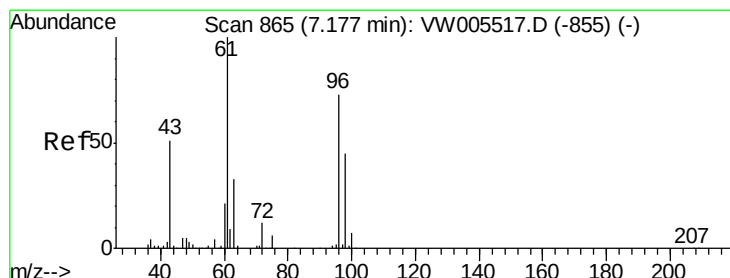
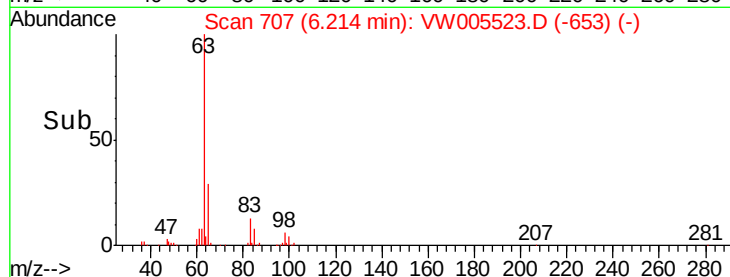
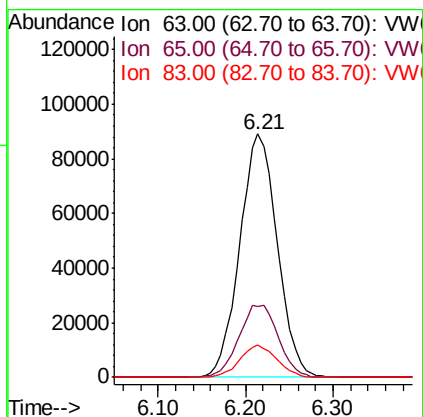
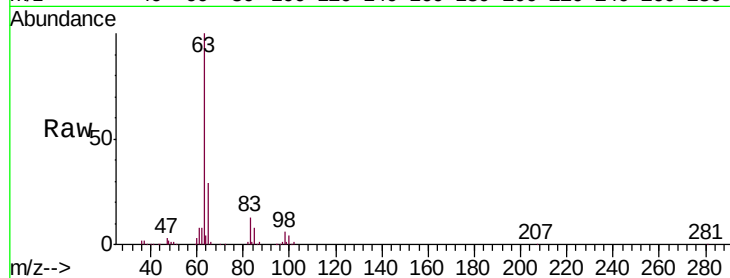




#19
 1,1-Dichloroethane
 Concen: 24.399 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

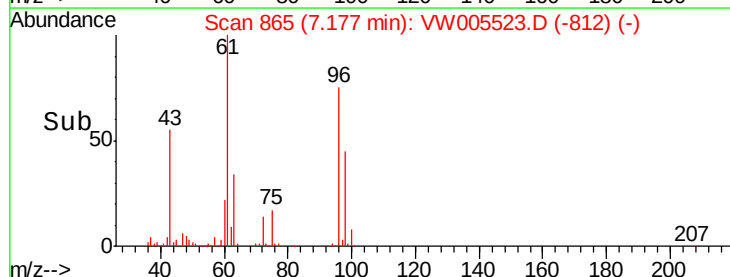
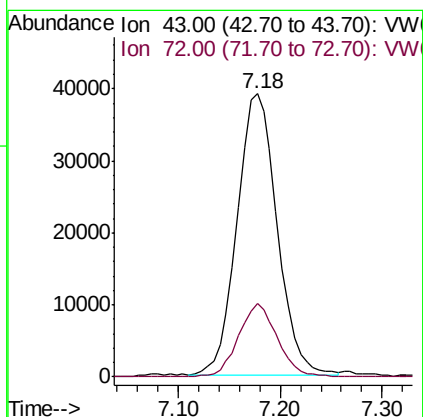
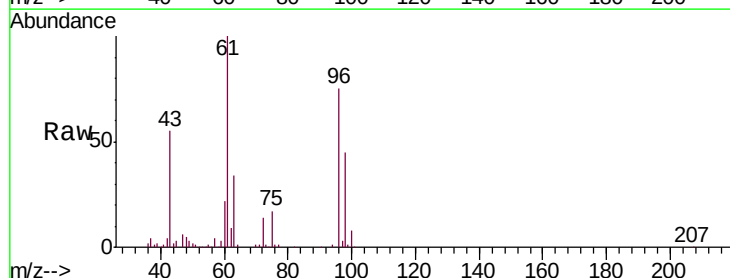
Instrument :
 MSVOA_W
 ClientSampleId :

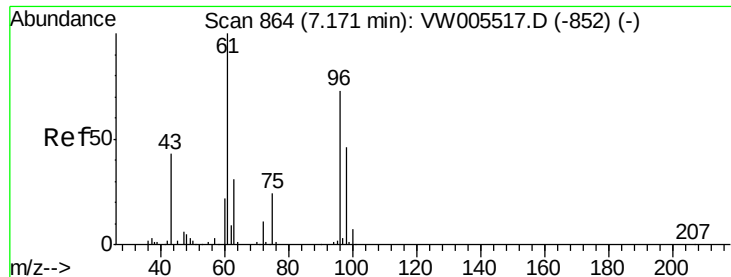
Tgt Ion: 63 Resp: 265695
 Ion Ratio Lower Upper
 63 100
 65 29.3 21.4 39.8
 83 13.3 8.9 16.5



#21
 2-Butanone
 Concen: 39.853 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion: 43 Resp: 106570
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.6 37.6



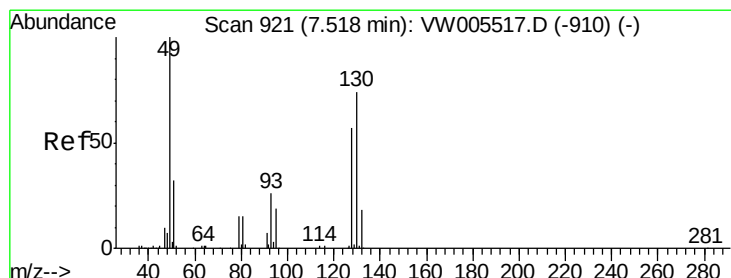
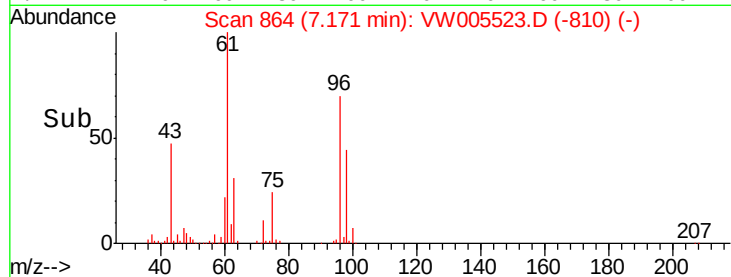
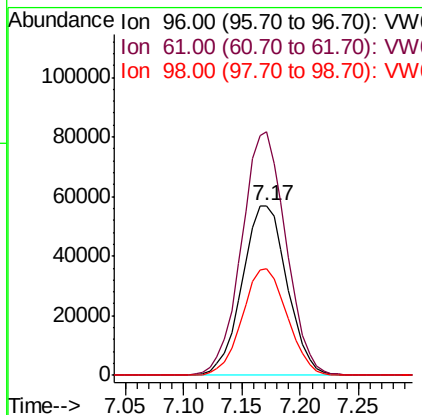
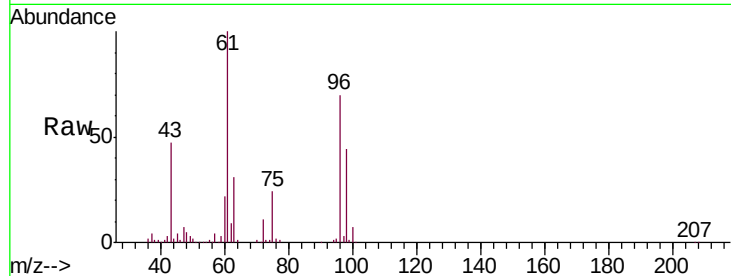


#22

cis-1,2-Dichloroethene
Concen: 24.671 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Instrument :
MSVOA_W
ClientSampled :

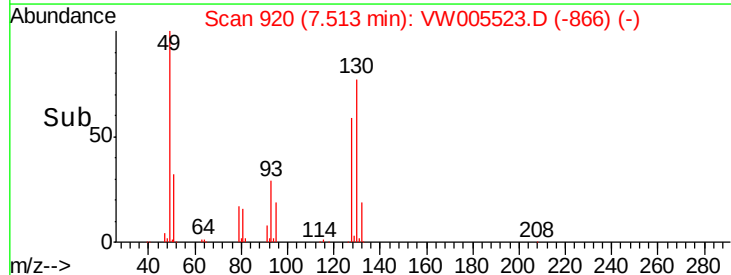
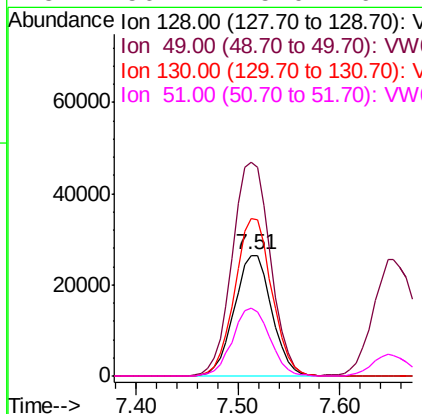
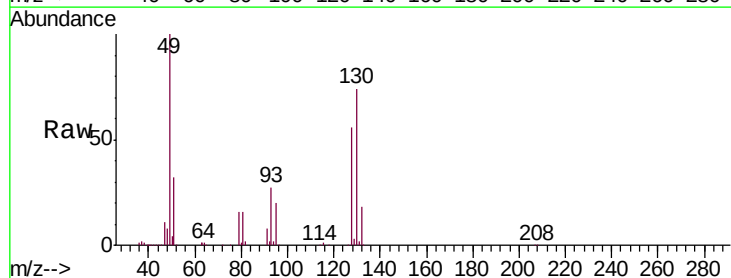
Tgt Ion: 96 Resp: 152739
Ion Ratio Lower Upper
96 100
61 143.3 96.5 179.1
98 62.6 44.1 81.9

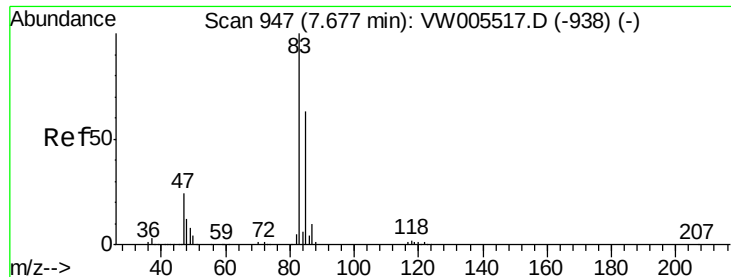


#23

Bromochloromethane
Concen: 24.543 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion: 128 Resp: 67565
Ion Ratio Lower Upper
128 100
49 177.2 122.0 226.6
130 130.5 89.9 167.0
51 56.1 45.0 67.4





#25

Chloroform

Concen: 24.952 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

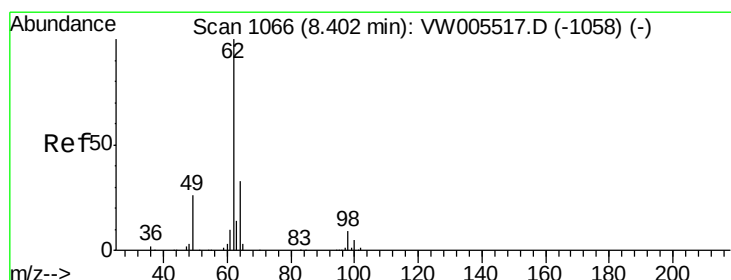
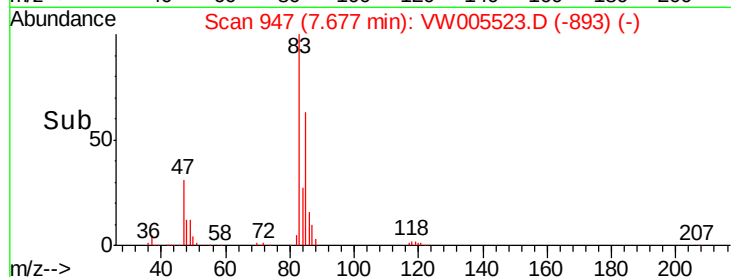
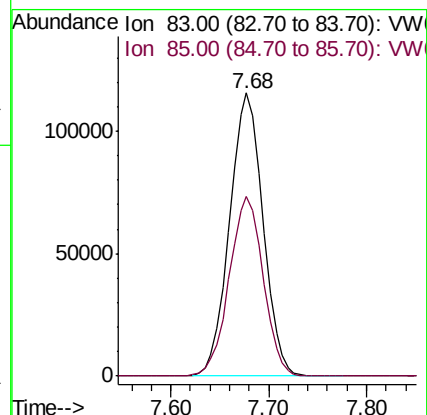
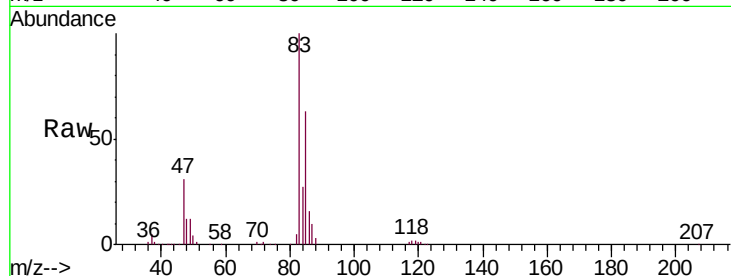
ClientSampled :

Tgt Ion: 83 Resp: 274278

Ion Ratio Lower Upper

83 100

85 64.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 24.783 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005523.D

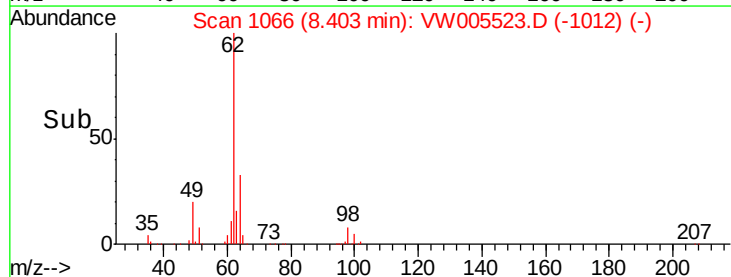
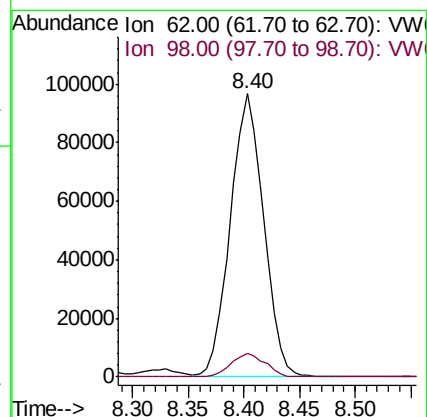
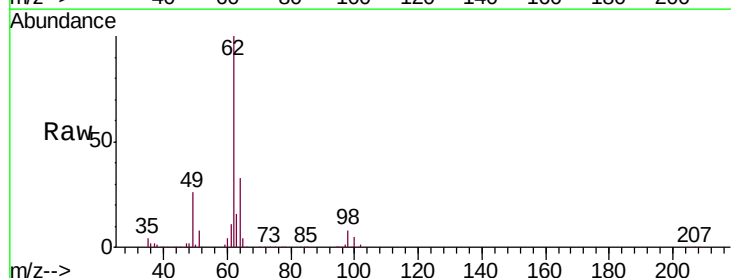
Acq: 19 Sep 2018 20:30

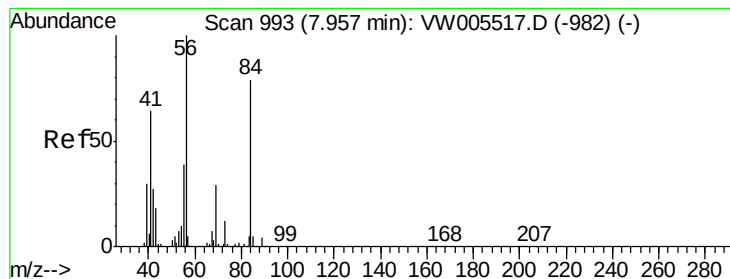
Tgt Ion: 62 Resp: 201009

Ion Ratio Lower Upper

62 100

98 8.4 6.8 10.2





#30

Cyclohexane

Concen: 24.299 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :
MSVOA_W
ClientSampled :

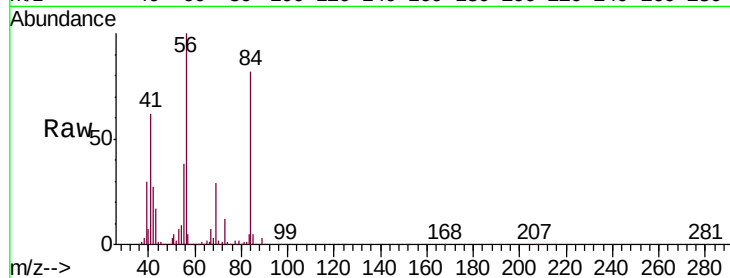
Tgt Ion: 56 Resp: 260346

Ion Ratio Lower Upper

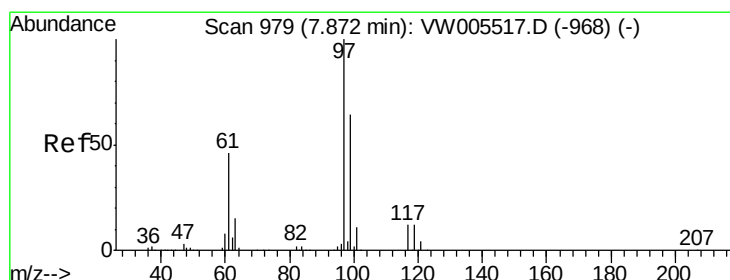
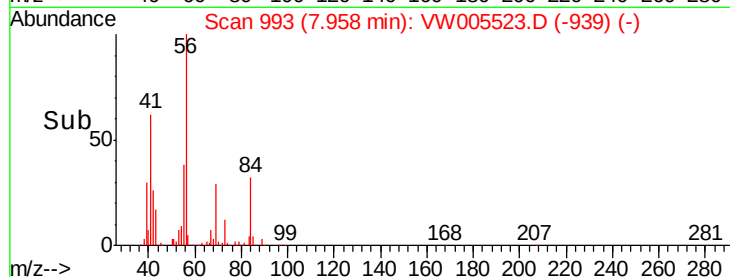
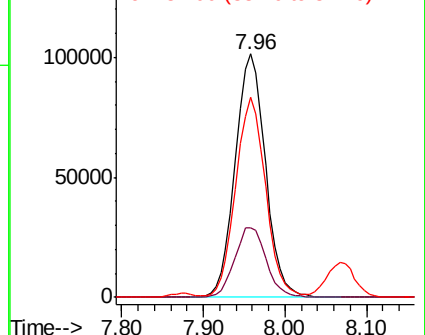
56 100

69 29.9 23.6 35.4

84 81.4 64.6 96.8



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: 24.550 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

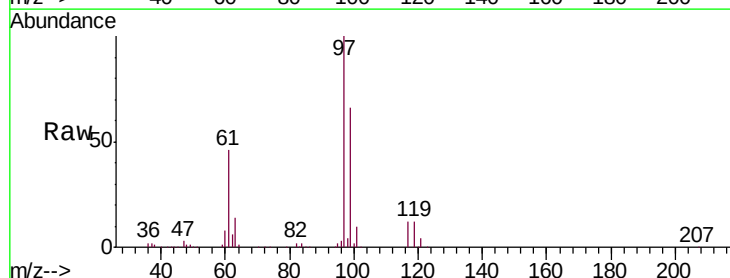
Tgt Ion: 97 Resp: 230232

Ion Ratio Lower Upper

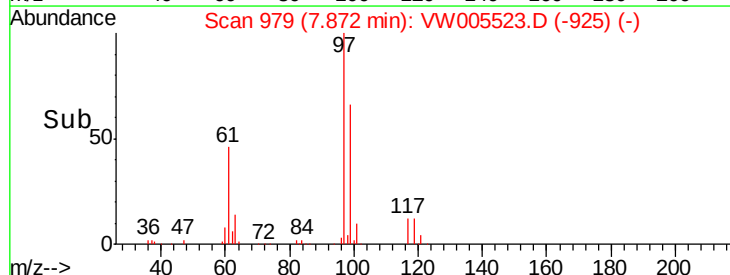
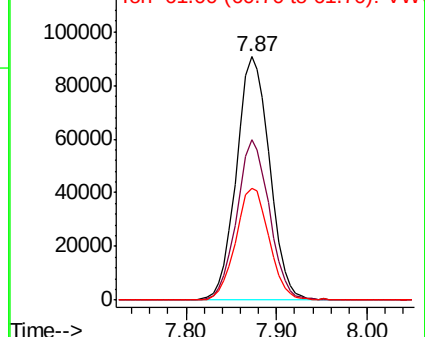
97 100

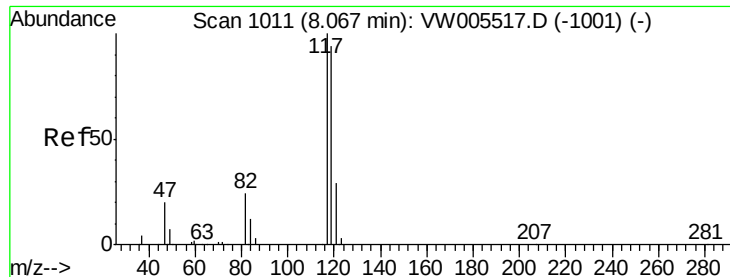
99 64.7 51.7 77.5

61 46.3 37.0 55.4



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: 24.841 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

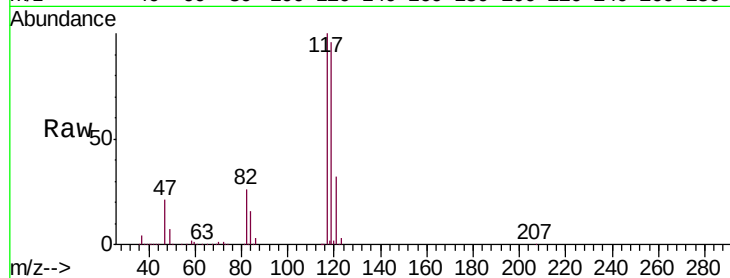
ClientSampled :

Tgt Ion:117 Resp: 221941

Ion Ratio Lower Upper

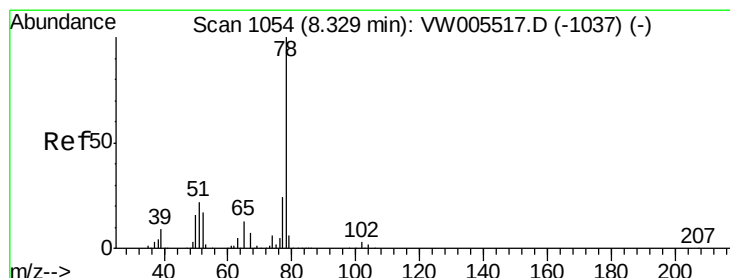
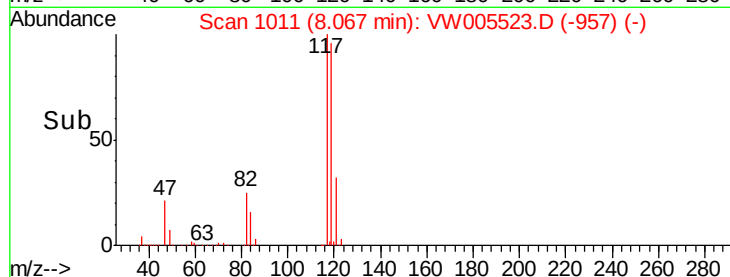
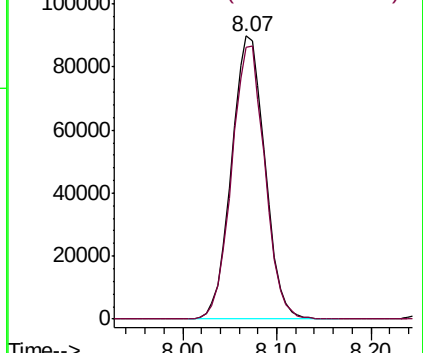
117 100

119 95.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.321 ug/L

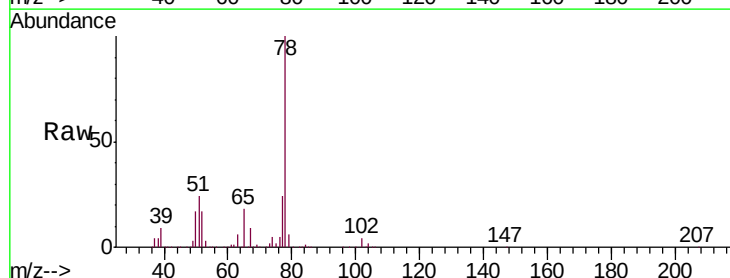
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

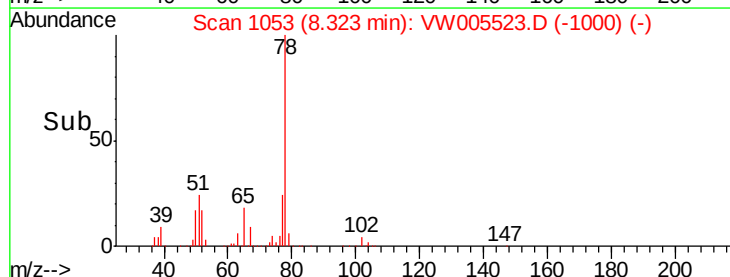
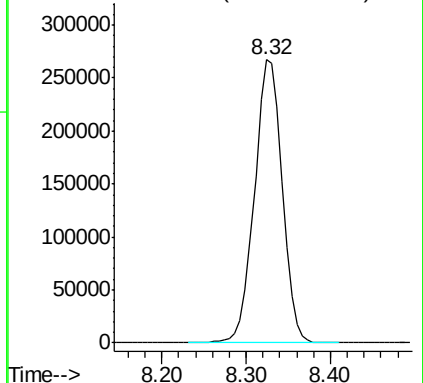
Lab File: VW005523.D

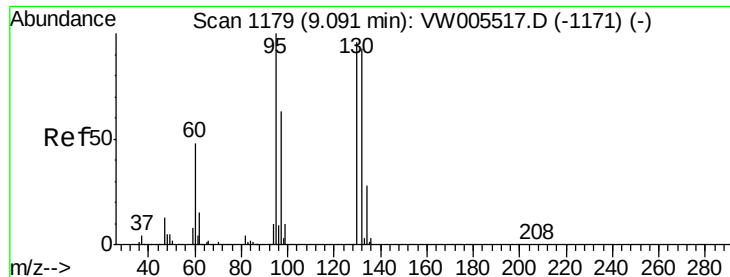
Acq: 19 Sep 2018 20:30

Tgt Ion: 78 Resp: 602667



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.903 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 153201

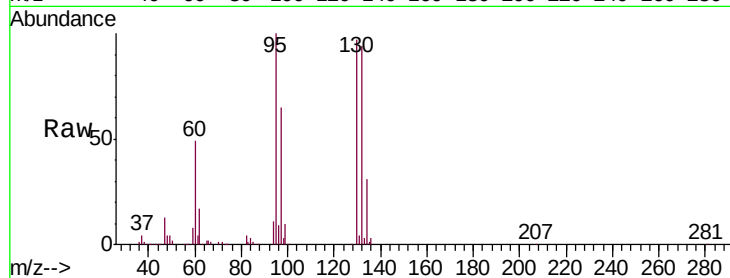
Ion Ratio Lower Upper

95 100

97 63.7 45.0 83.6

132 94.6 66.4 123.2

130 98.3 68.6 127.4

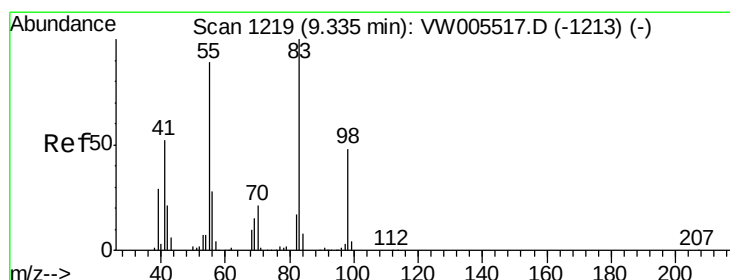
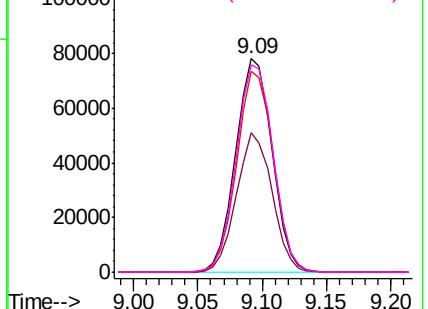
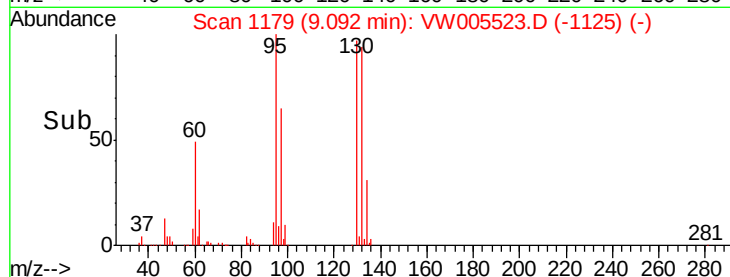


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.558 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

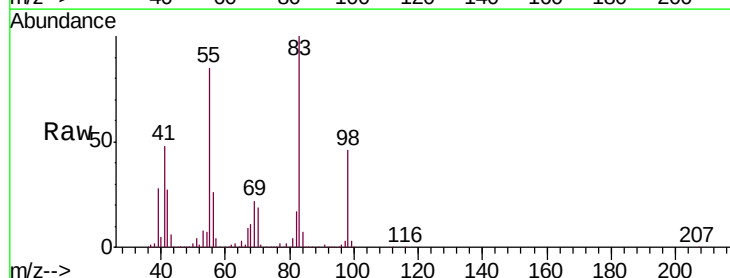
Tgt Ion: 83 Resp: 282156

Ion Ratio Lower Upper

83 100

55 83.7 66.4 99.6

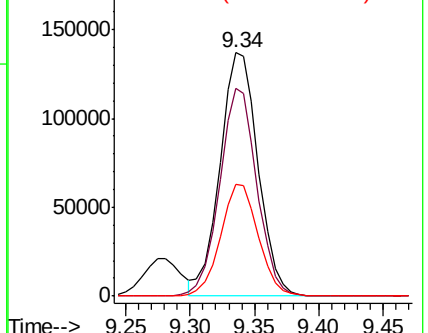
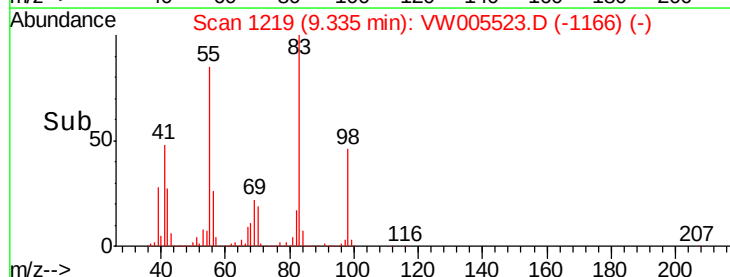
98 45.6 36.3 54.5

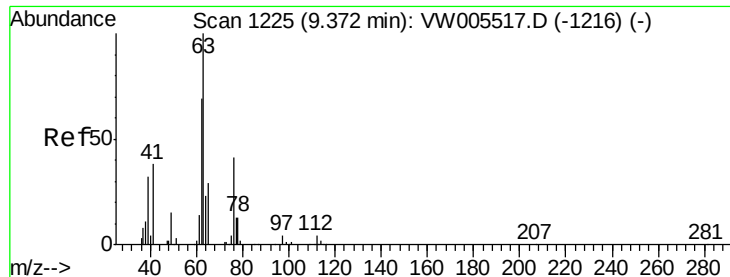


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

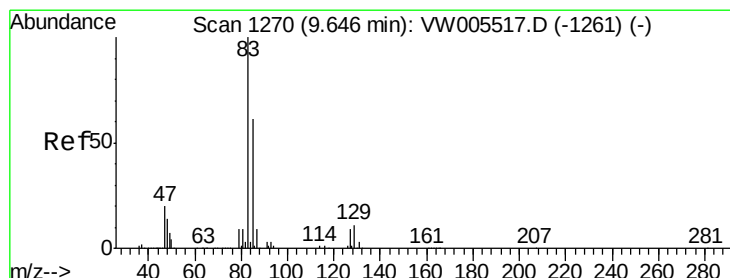
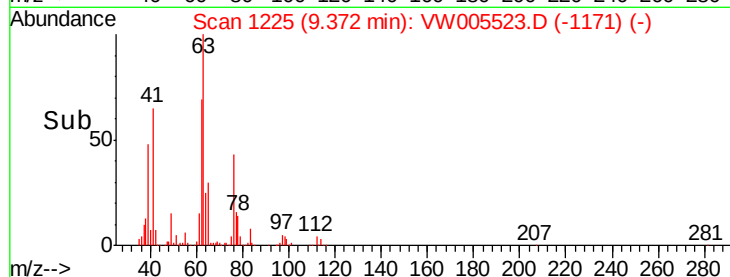
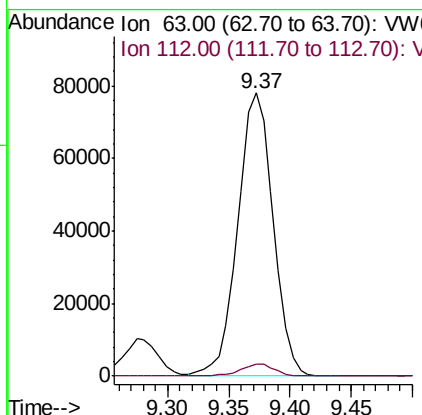
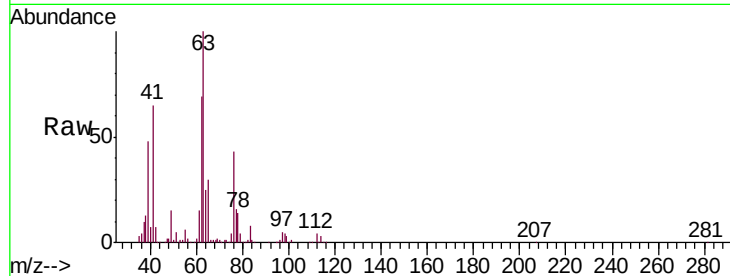




#40
 1,2-Dichloropropane
 Concen: 24.355 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

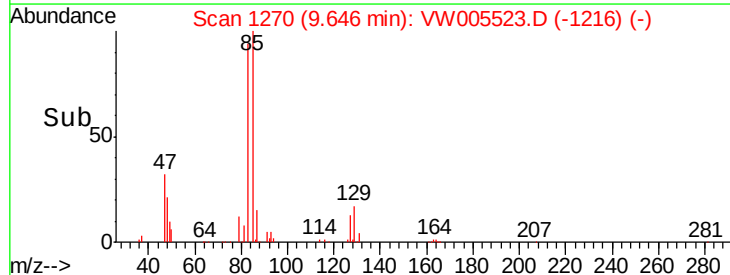
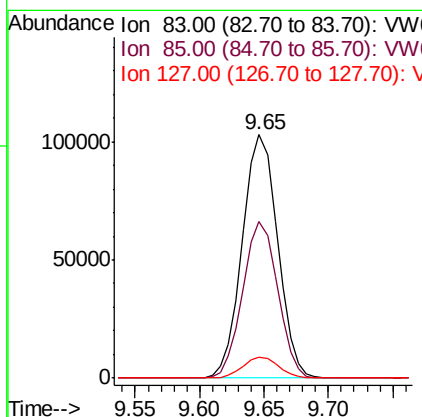
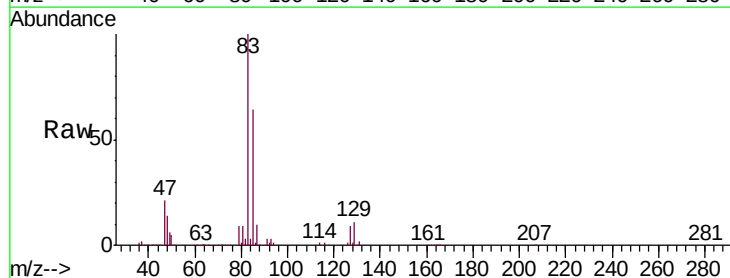
Instrument :
 MSVOA_W
 ClientSampleId :

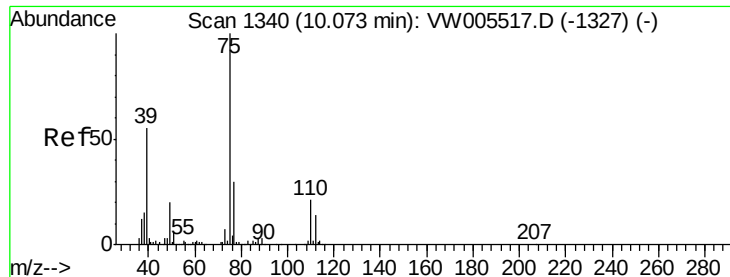
Tgt Ion: 63 Resp: 156698
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#41
 Bromodichloromethane
 Concen: 24.695 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion: 83 Resp: 195905
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.0 80.0
 127 8.6 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 24.895 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

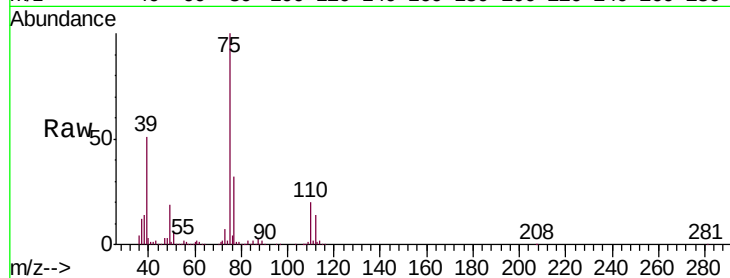
ClientSampled :

Tgt Ion: 75 Resp: 235502

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

150000

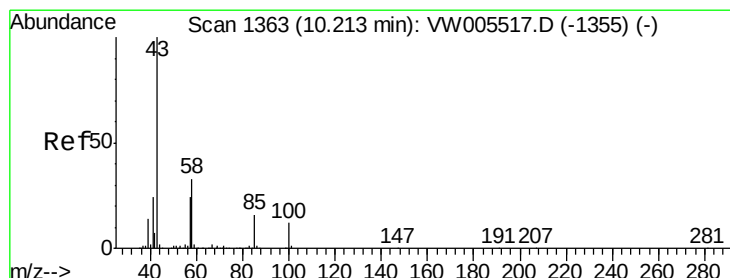
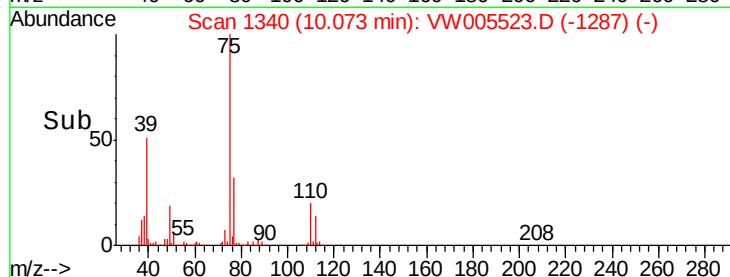
100000

50000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 45.963 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

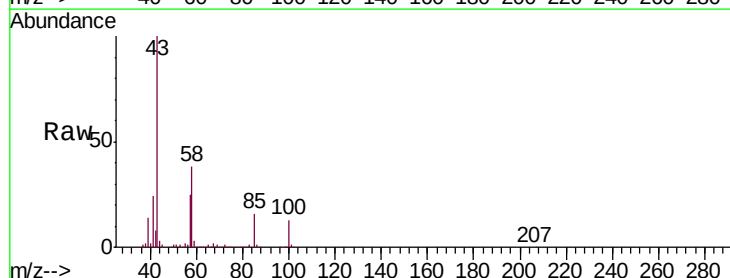
Tgt Ion: 43 Resp: 237201

Ion Ratio Lower Upper

43 100

58 37.4 29.2 43.8

100 13.3 10.8 16.2



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

250000

200000

150000

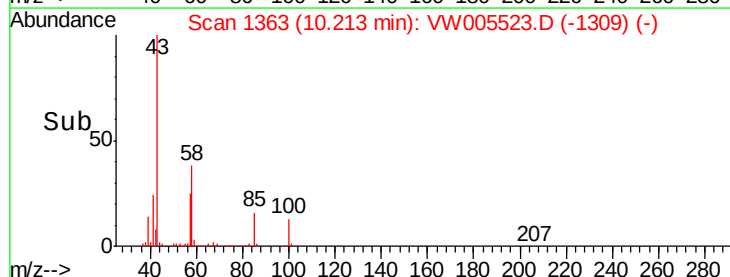
100000

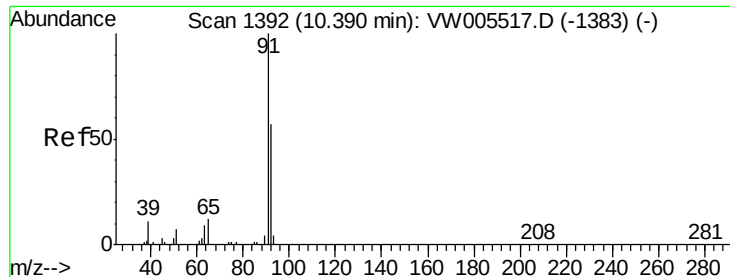
50000

0

Time-->

10.20 10.30





#44

Toluene

Concen: 24.956 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

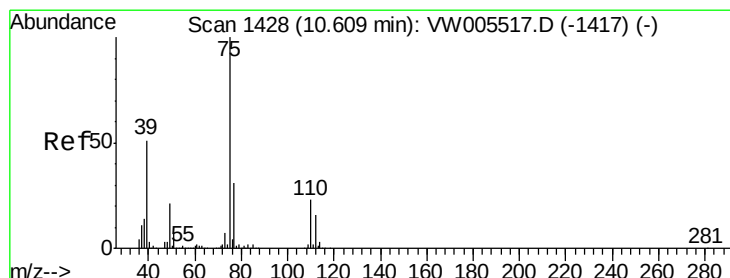
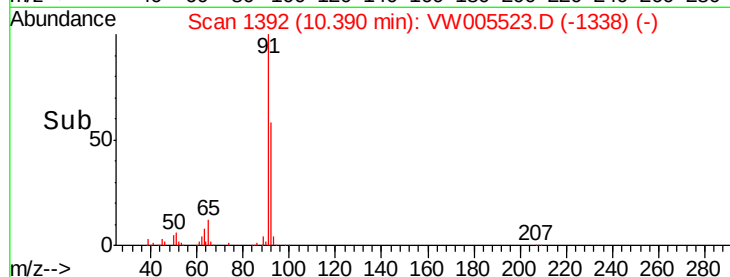
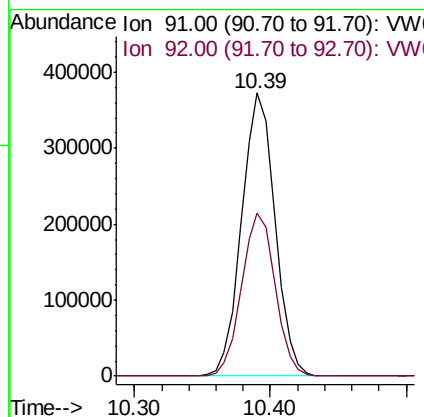
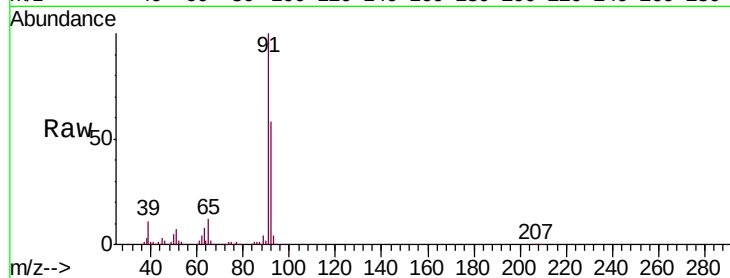
ClientSampleId :

Tgt Ion: 91 Resp: 639459

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 24.959 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005523.D

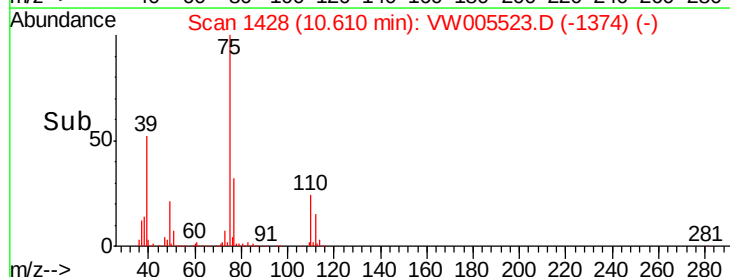
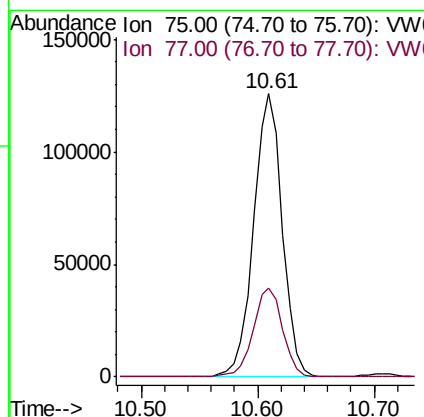
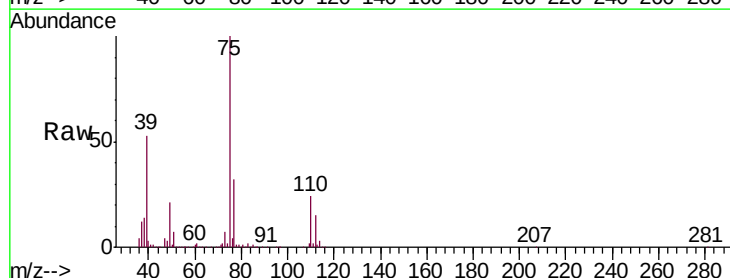
Acq: 19 Sep 2018 20:30

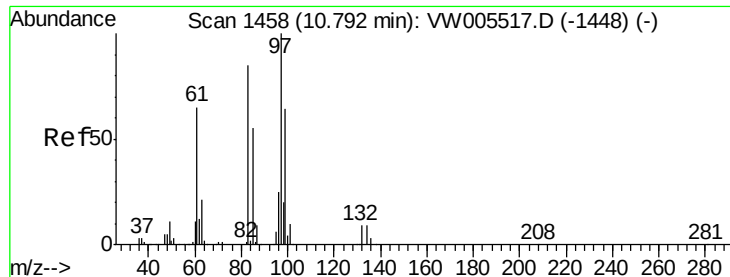
Tgt Ion: 75 Resp: 215566

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 23.892 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 113954

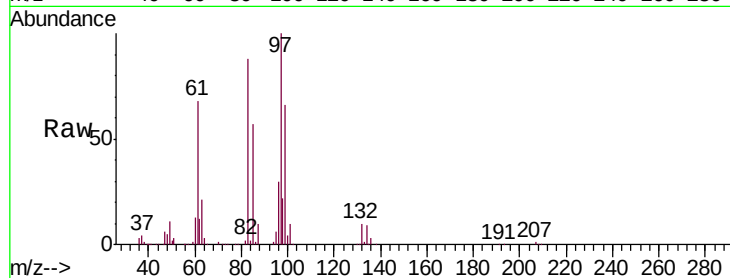
Ion Ratio Lower Upper

97 100

83 87.6 59.5 110.5

85 57.3 38.4 71.2

99 65.8 44.5 82.7

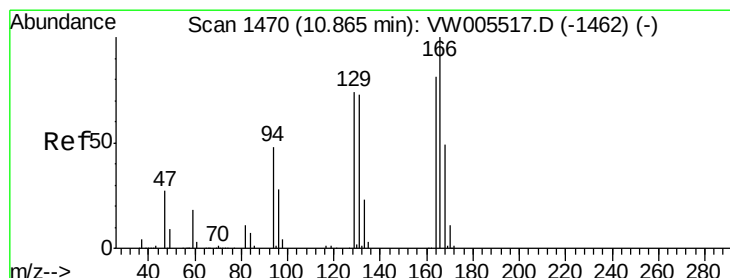
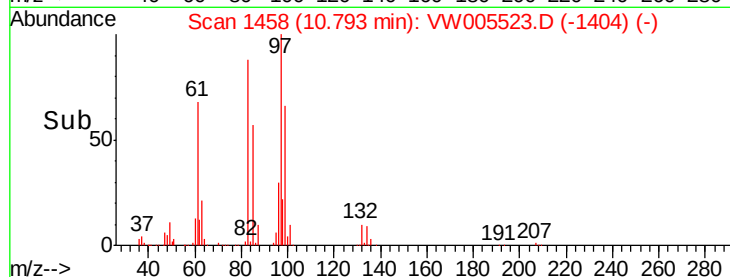
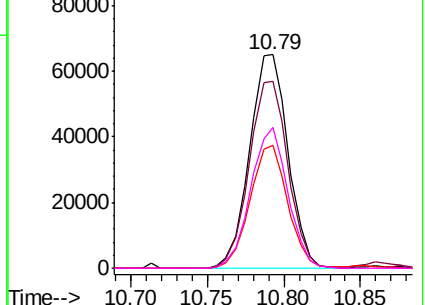


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.286 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Tgt Ion: 164 Resp: 126916

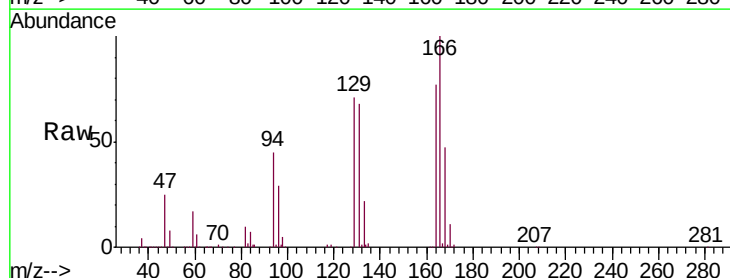
Ion Ratio Lower Upper

164 100

129 91.6 63.7 118.3

131 87.5 63.3 117.5

166 129.2 86.5 160.6

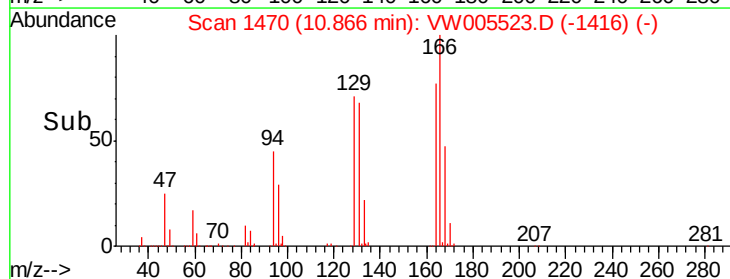
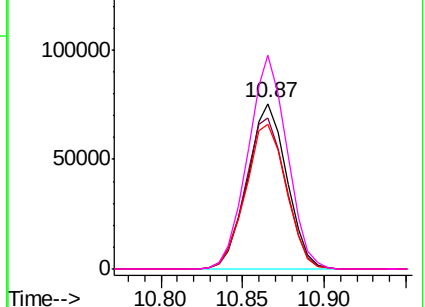


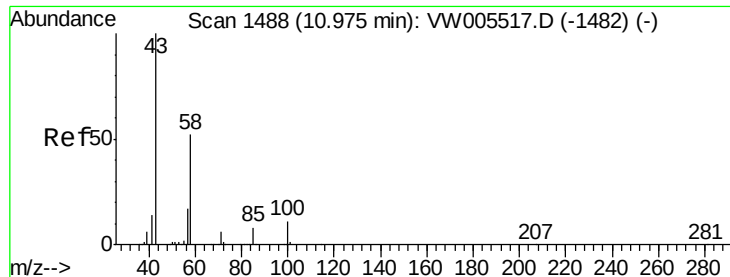
Abundance Ion 164.00 (163.70 to 164.70): V

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: 46.719 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 174221

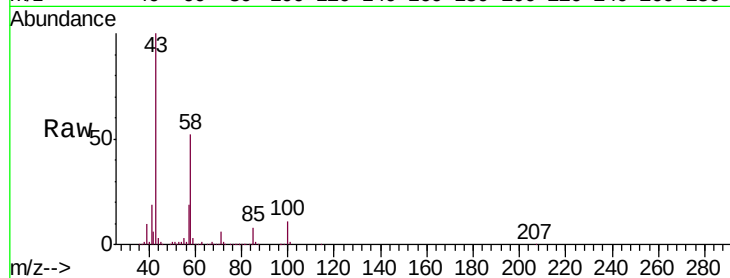
Ion Ratio Lower Upper

43 100

58 50.6 40.1 60.1

57 18.5 14.1 21.1

100 10.3 7.9 11.9



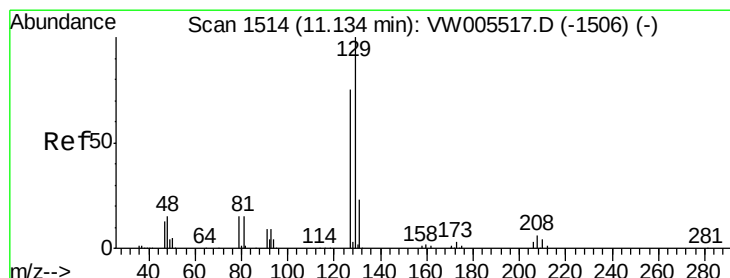
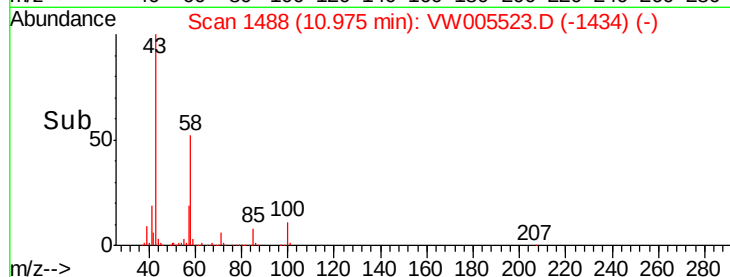
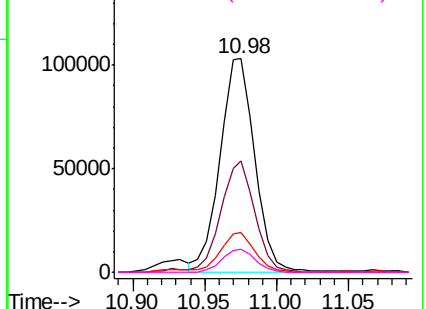
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 23.840 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW005523.D

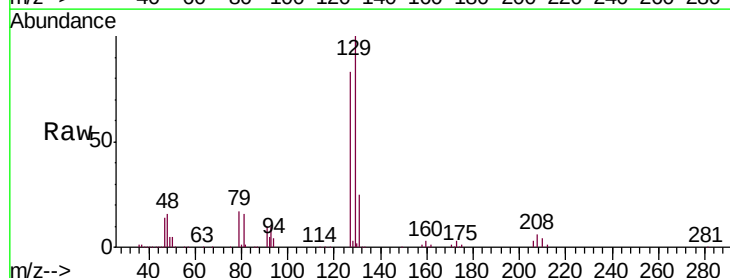
Acq: 19 Sep 2018 20:30

Tgt Ion: 129 Resp: 133717

Ion Ratio Lower Upper

129 100

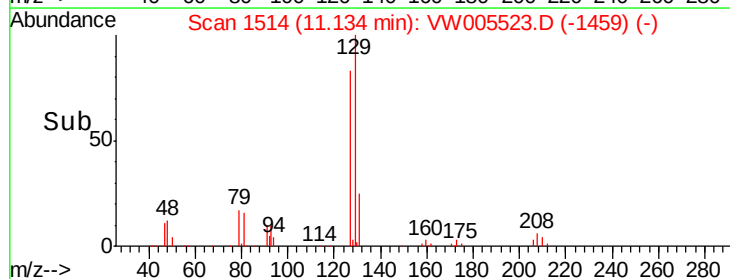
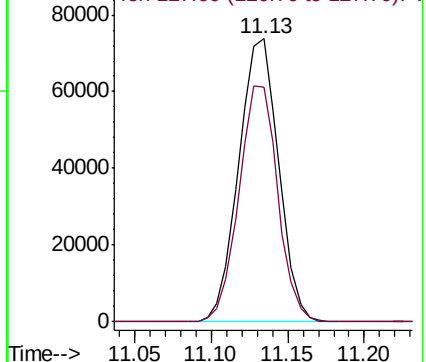
127 83.1 52.5 97.5

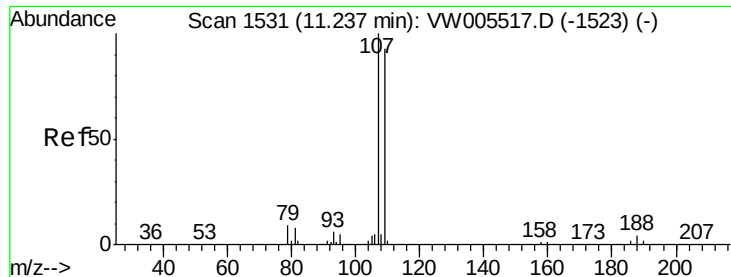


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

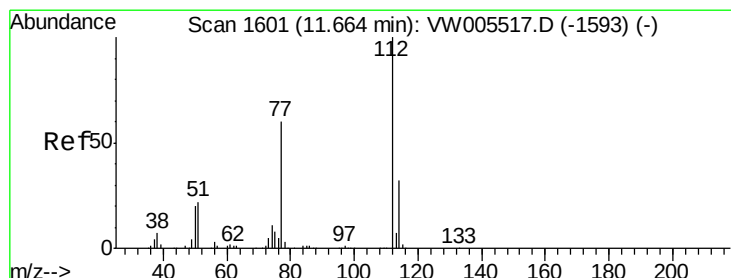
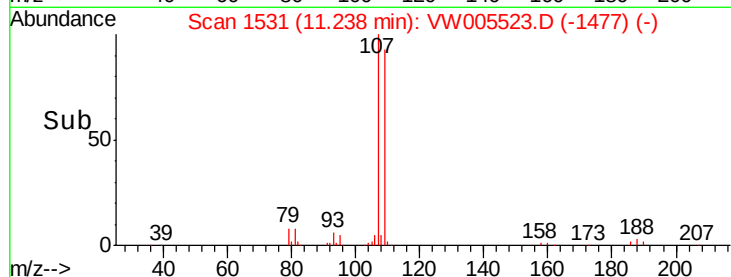
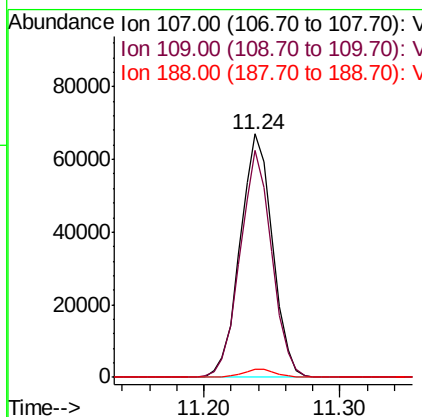
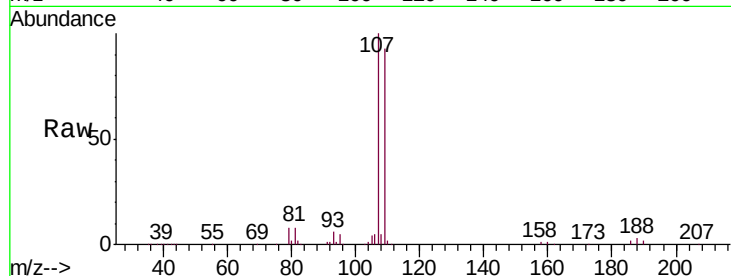




#51
 1,2-Dibromoethane
 Concen: 24.706 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

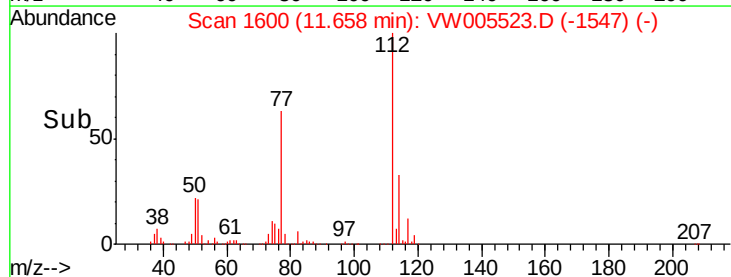
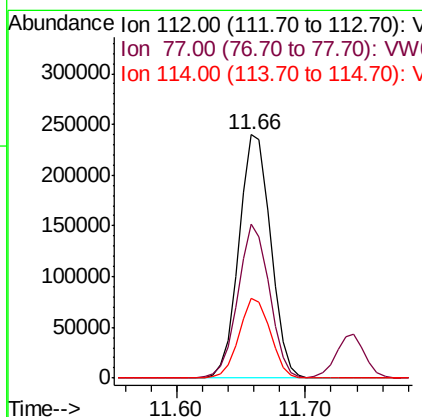
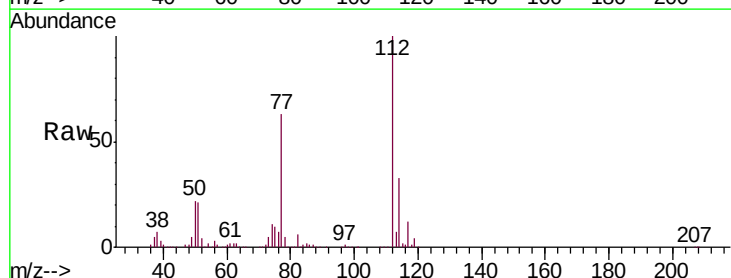
Instrument :
 MSVOA_W
 ClientSampleId :

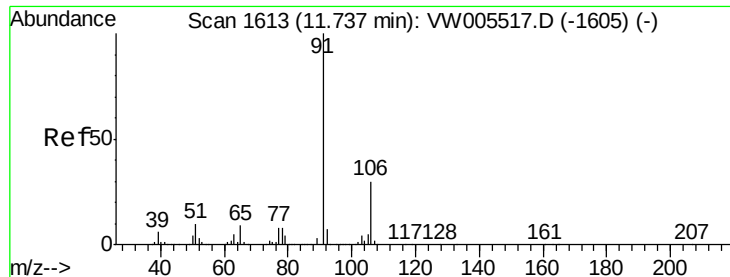
Tgt Ion:107 Resp: 111449
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.4 121.4
 188 3.4 2.9 4.3



#52
 Chlorobenzene
 Concen: 24.627 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:112 Resp: 408899
 Ion Ratio Lower Upper
 112 100
 77 63.3 48.5 72.7
 114 32.6 22.5 41.7





#53

Ethylbenzene

Concen: 25.218 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

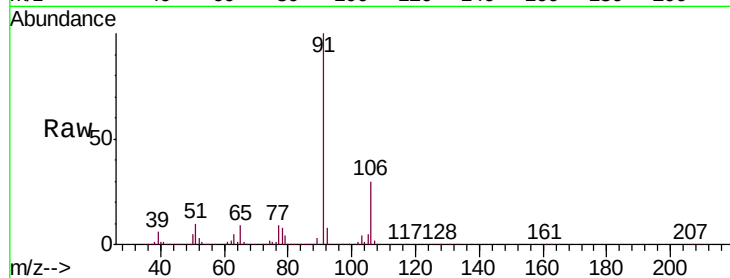
ClientSampleId :

Tgt Ion: 91 Resp: 750467

Ion Ratio Lower Upper

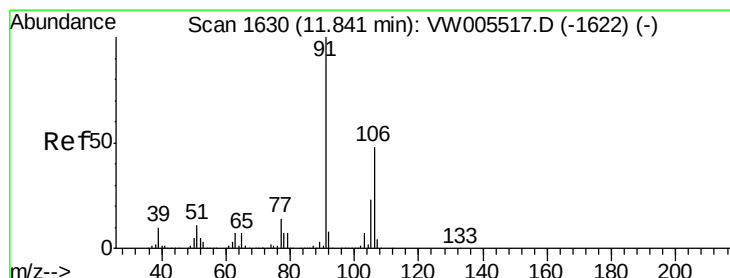
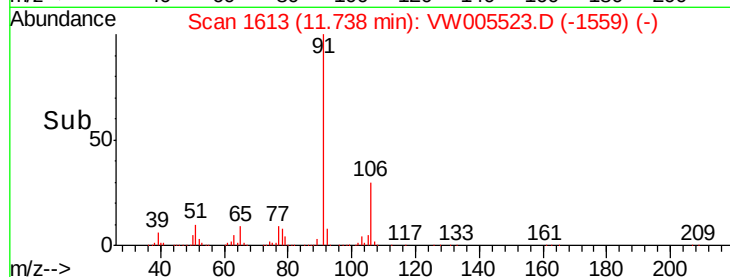
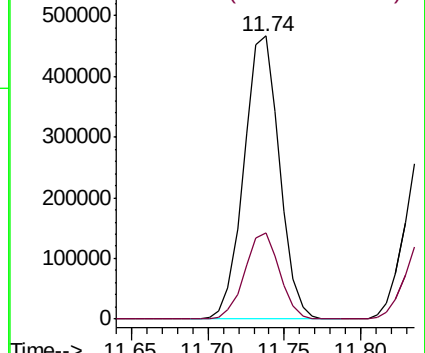
91 100

106 30.3 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: 25.390 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005523.D

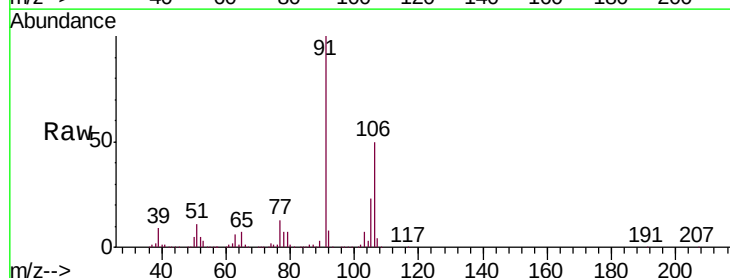
Acq: 19 Sep 2018 20:30

Tgt Ion: 106 Resp: 277425

Ion Ratio Lower Upper

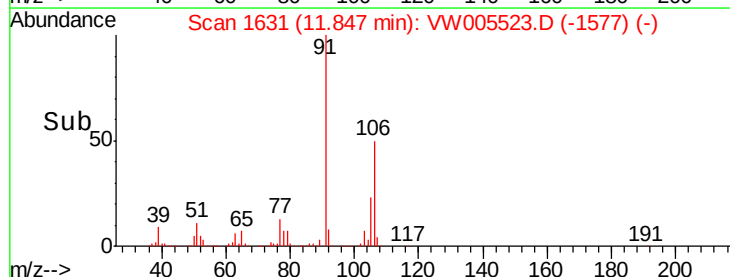
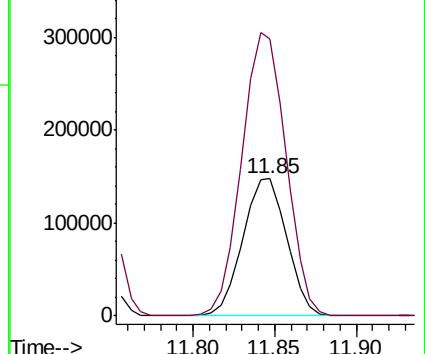
106 100

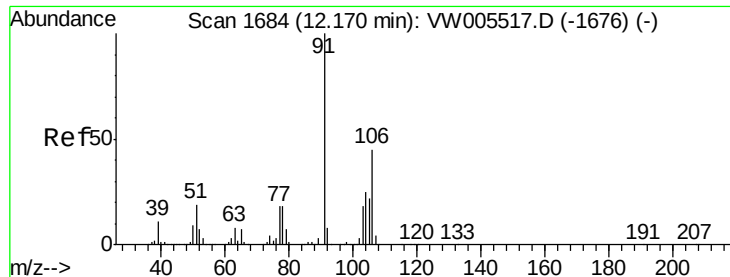
91 201.5 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

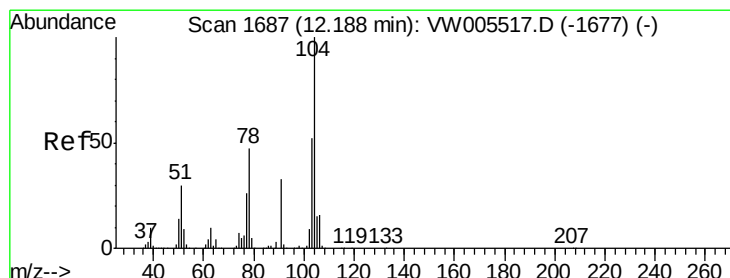
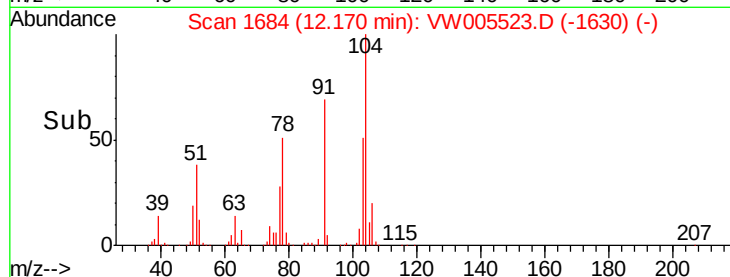
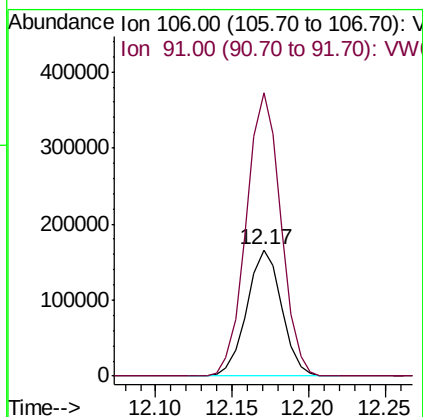
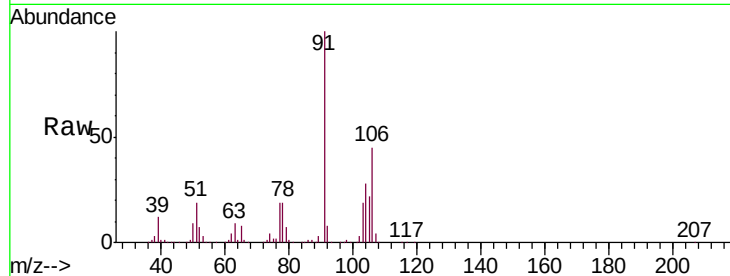




#55
o-xylene
Concen: 25.347 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

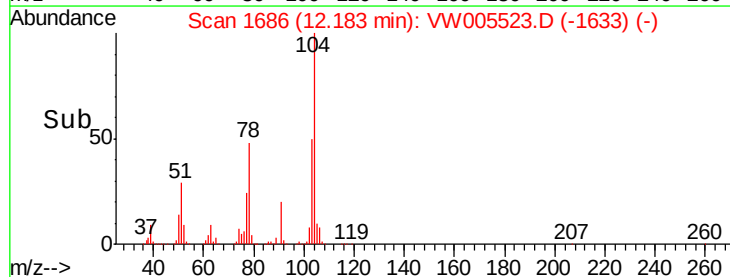
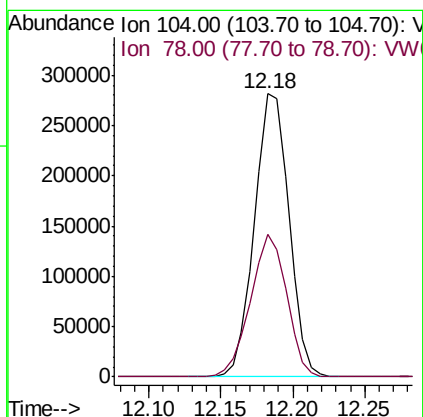
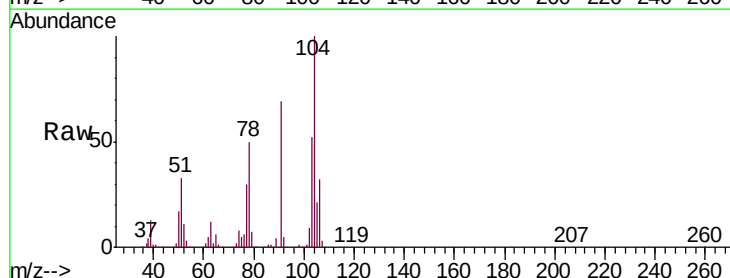
Instrument :
MSVOA_W
ClientSampleId :

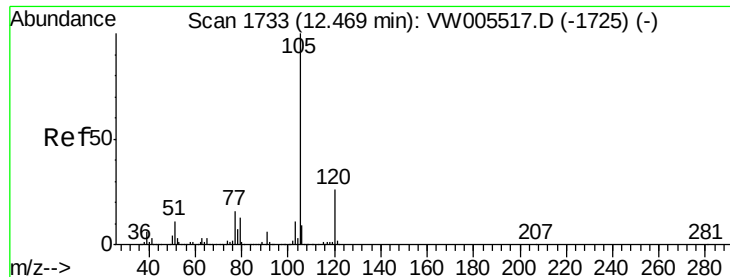
Tgt Ion:106 Resp: 262127
Ion Ratio Lower Upper
106 100
91 224.3 156.3 290.3



#56
Styrene
Concen: 26.251 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion:104 Resp: 467044
Ion Ratio Lower Upper
104 100
78 50.3 32.6 60.6





#57

Isopropylbenzene

Concen: 25.659 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

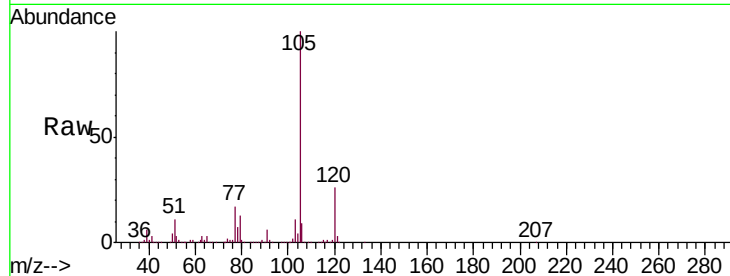
Tgt Ion: 105 Resp: 742787

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

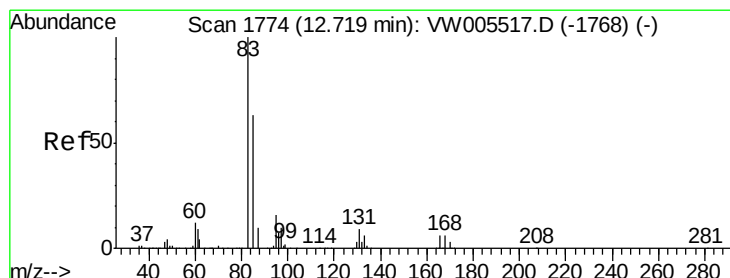
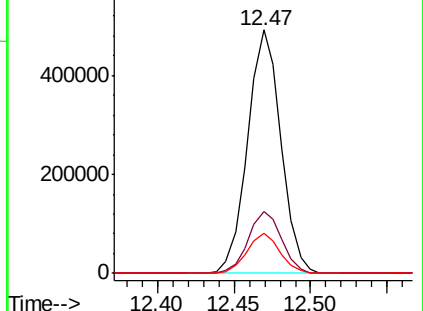
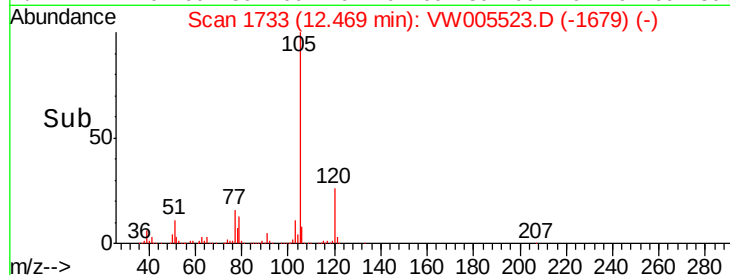
77 16.4 13.0 19.4



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: 23.609 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

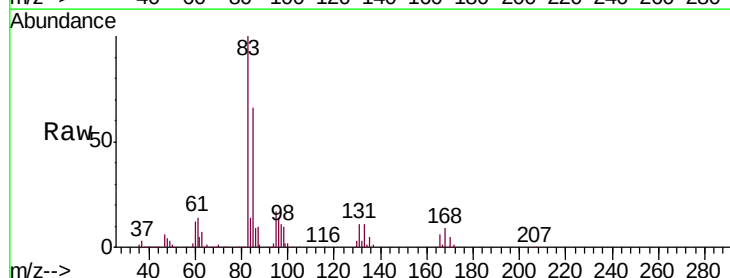
Tgt Ion: 83 Resp: 153127

Ion Ratio Lower Upper

83 100

85 66.3 43.9 81.5

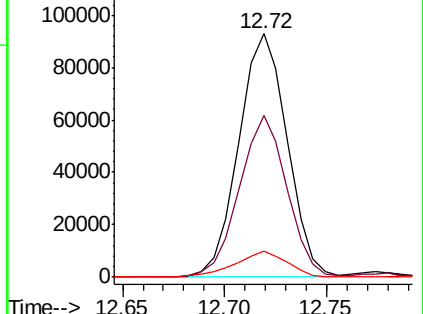
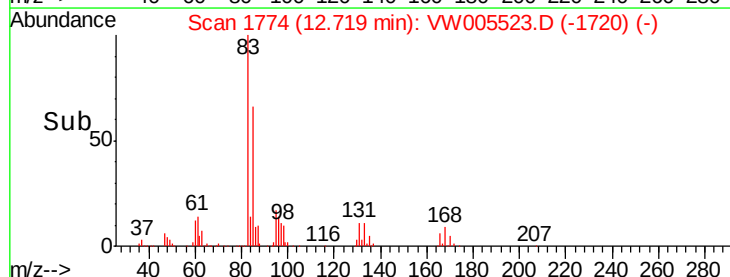
131 10.6 7.9 11.9

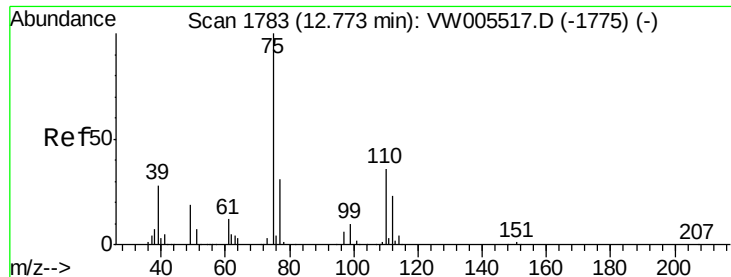


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.059 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

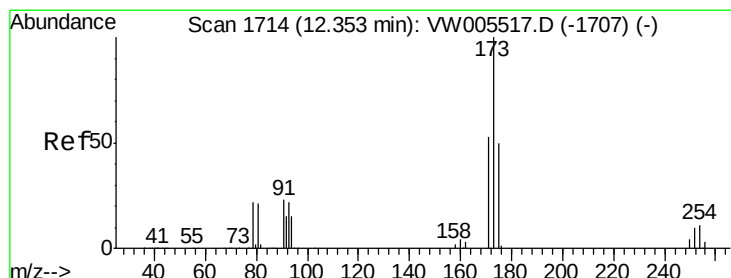
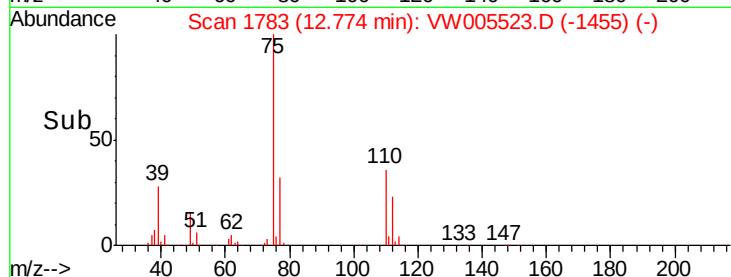
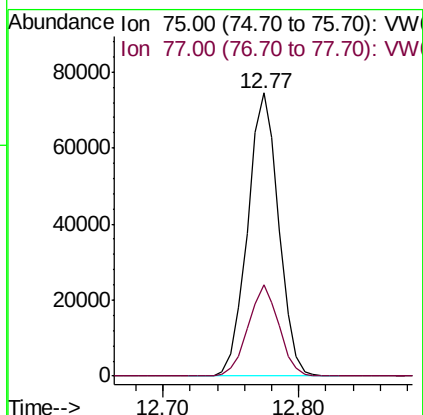
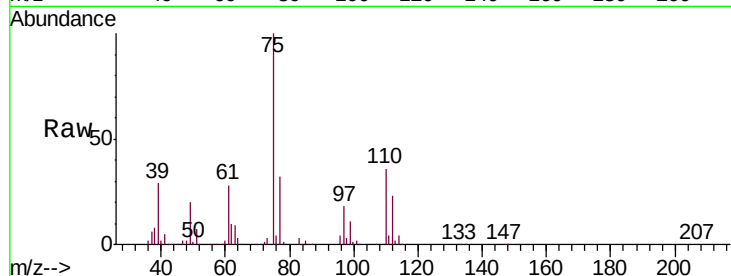
ClientSampleId :

Tgt Ion: 75 Resp: 119289

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 23.880 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

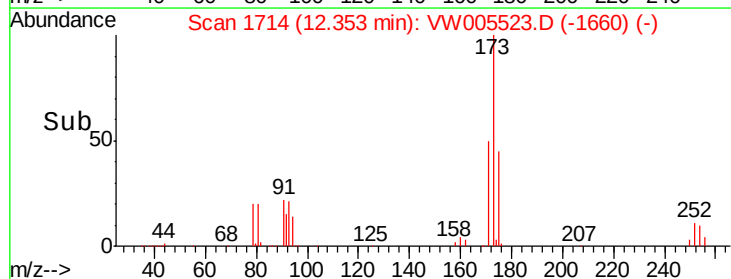
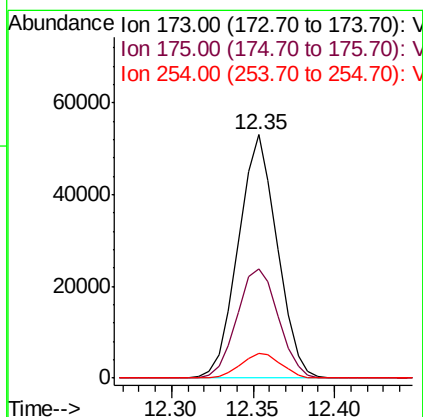
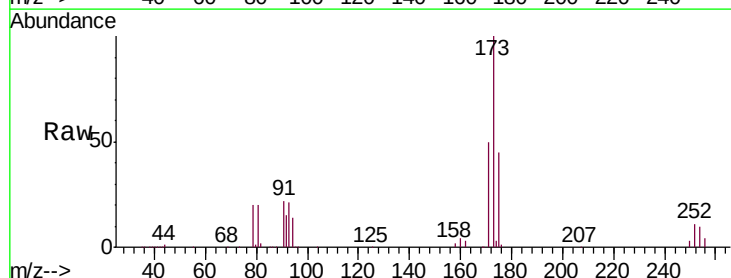
Tgt Ion: 173 Resp: 88108

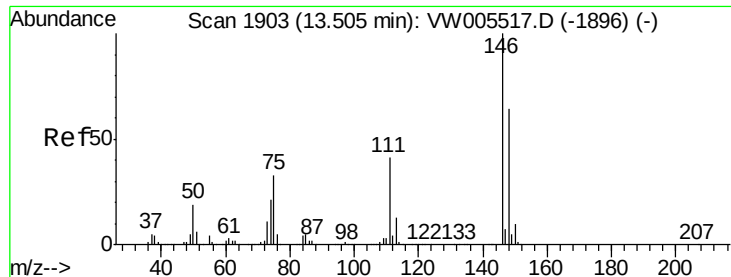
Ion Ratio Lower Upper

173 100

175 47.9 39.4 59.0

254 10.4 8.8 13.2

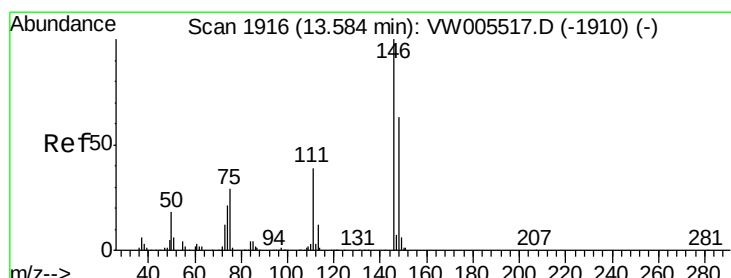
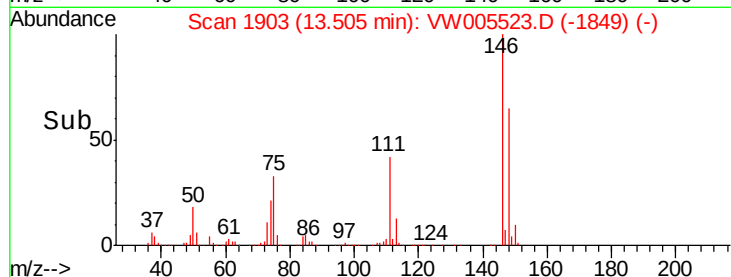
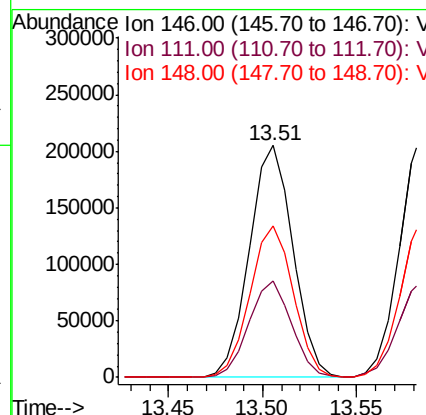
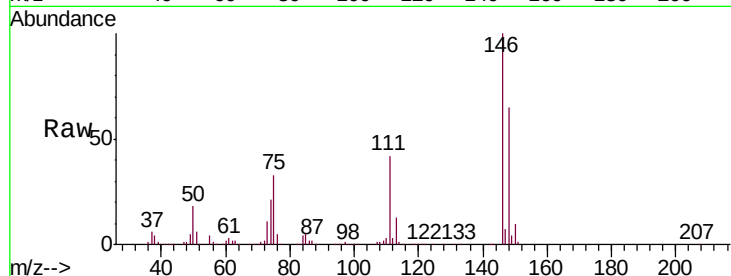




#63
 1,3-Dichlorobenzene
 Concen: 24.406 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

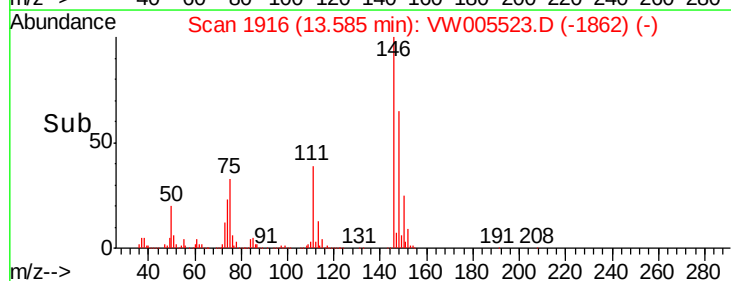
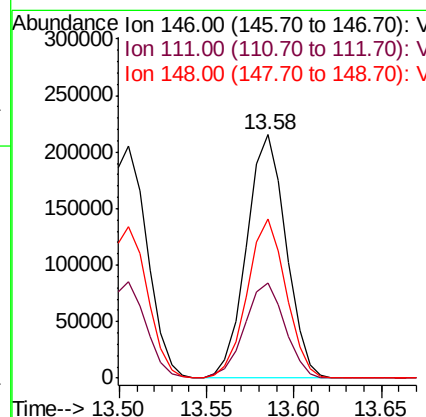
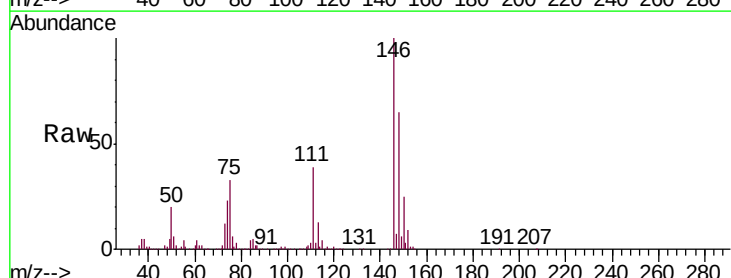
Instrument :
 MSVOA_W
 ClientSampleId :

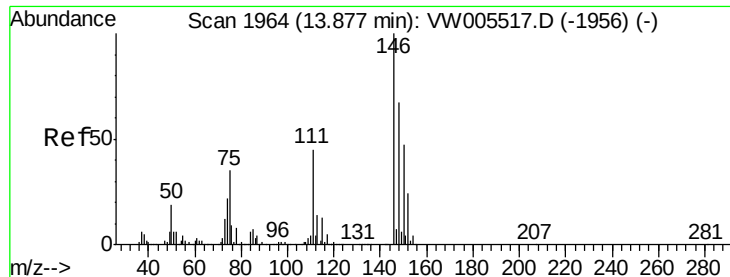
Tgt Ion:146 Resp: 328288
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.6 53.0
 148 65.2 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 24.540 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:146 Resp: 338947
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 51.0
 148 65.3 43.8 81.4

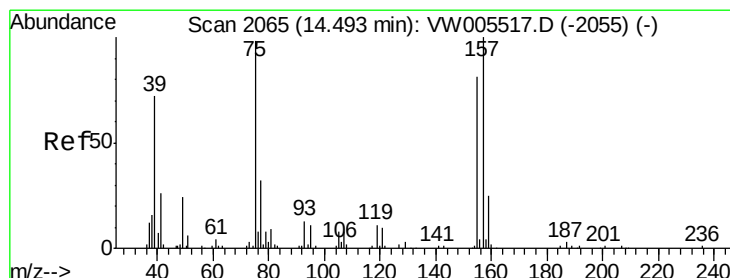
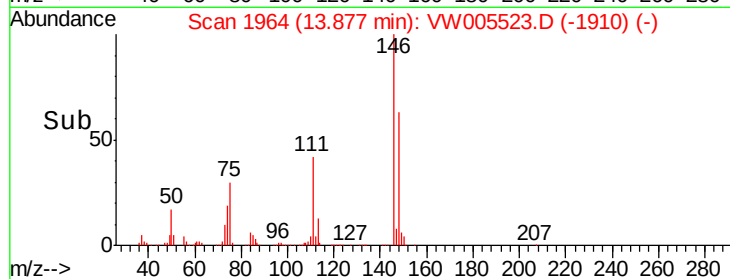
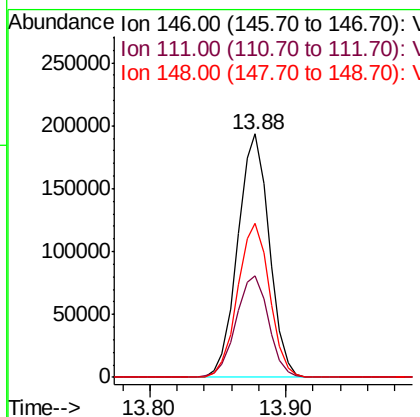
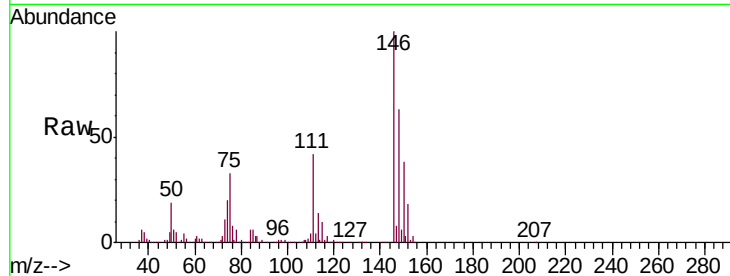




#65
 1,2-Dichlorobenzene
 Concen: 24.706 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

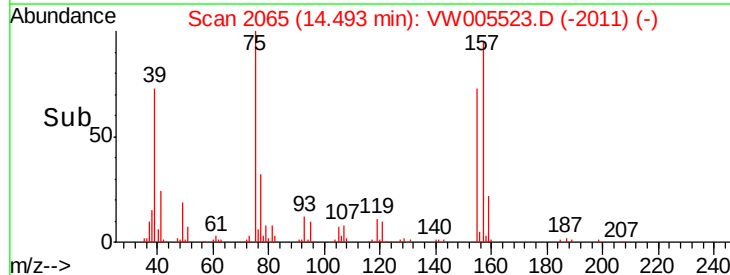
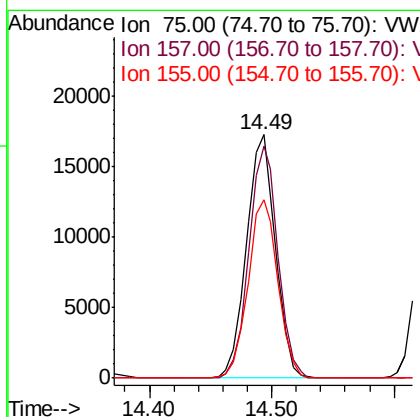
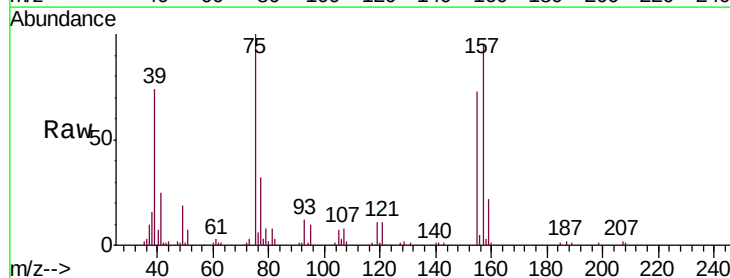
Instrument :
 MSVOA_W
 ClientSampled :

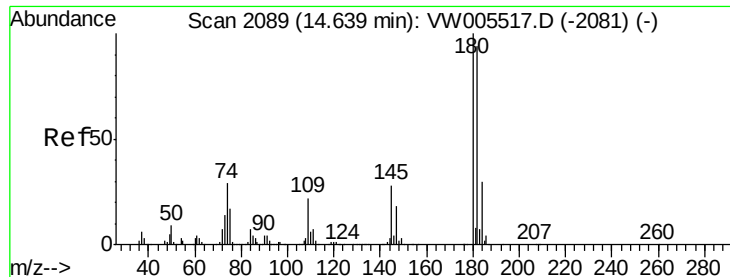
Tgt Ion:146 Resp: 312621
 Ion Ratio Lower Upper
 146 100
 111 41.9 35.9 53.9
 148 63.2 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.584 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion: 75 Resp: 28334
 Ion Ratio Lower Upper
 75 100
 157 95.1 81.5 122.3
 155 73.0 66.2 99.2

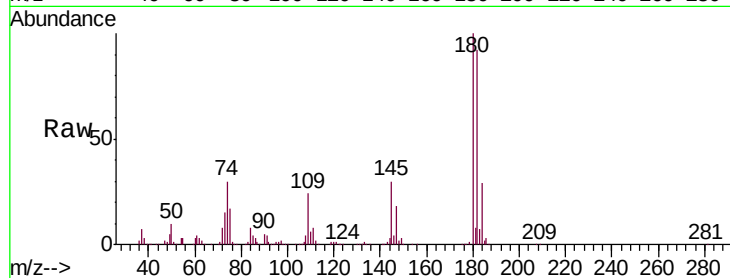




#67
 1,3,5-Trichlorobenzene
 Concen: 24.676 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Instrument :
 MSVOA_W
 ClientSampled :

Tgt Ion:	180	Resp:	260008
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
184	30.4	24.1	36.1
145	29.8	23.5	35.3



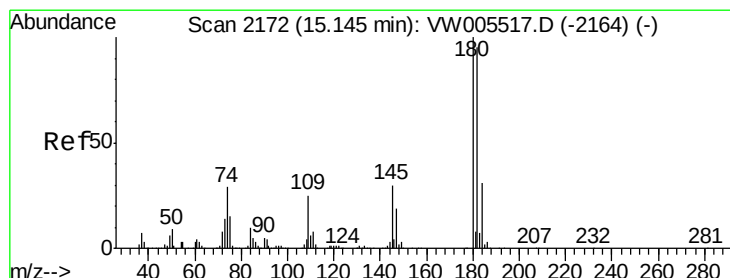
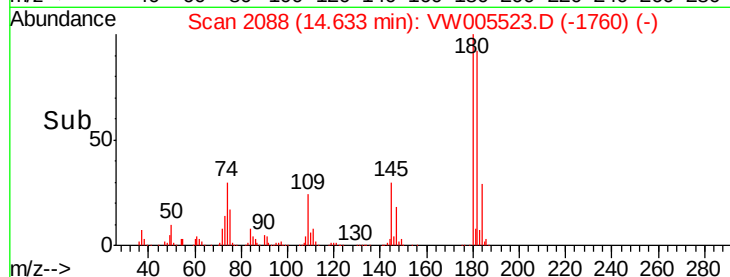
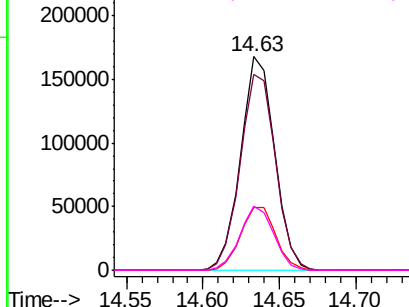
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

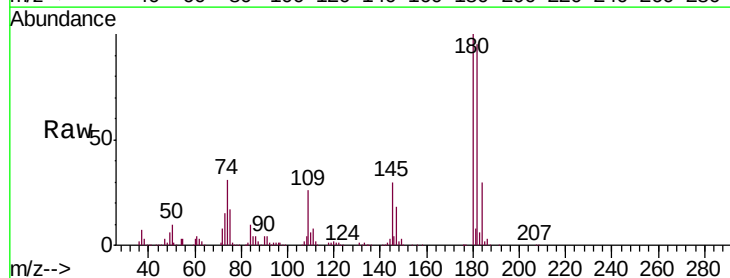
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.123 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:	180	Resp:	217126
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	30.1	24.6	37.0

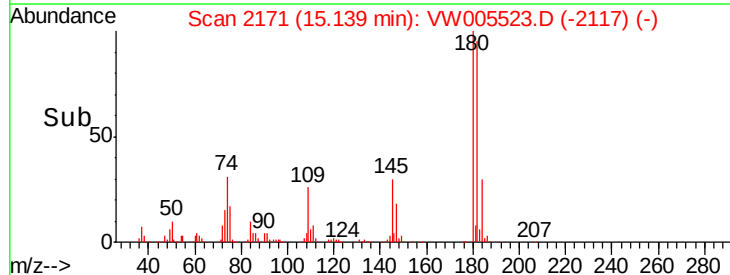
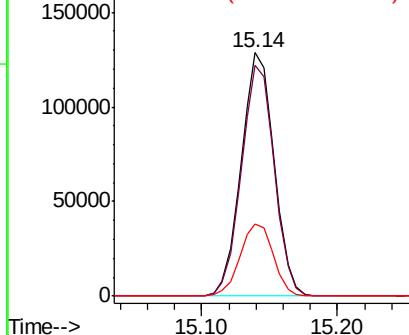


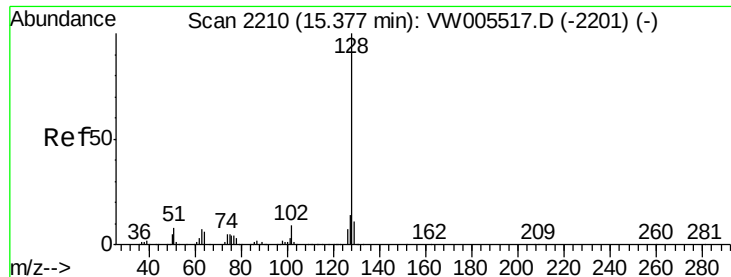
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

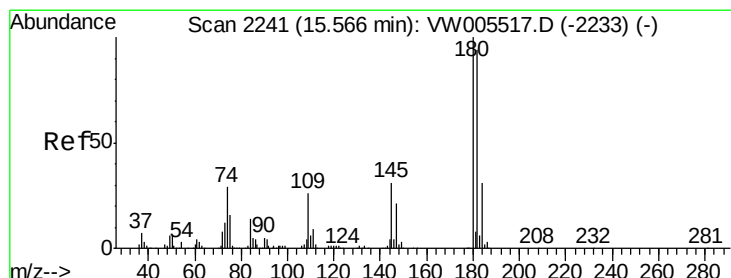
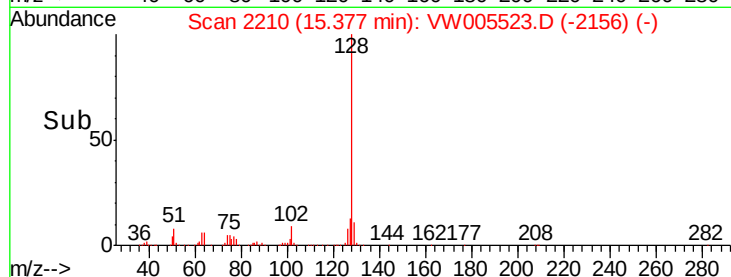
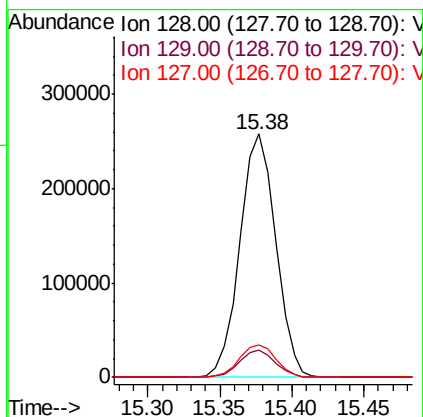
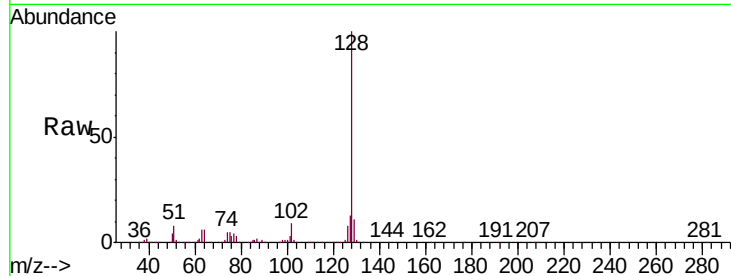




#69
Naphthalene
Concen: 24.300 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 445778
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.7 11.0 16.4



#70
1,2,3-Trichlorobenzene
Concen: 24.464 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion:180 Resp: 199652
Ion Ratio Lower Upper
180 100
182 96.7 76.6 114.8
145 32.2 25.9 38.9

