

Data File : VW014760.D
Acq On : 27 Jan 2020 10:24
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Jan 27 12:21:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 12:18:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1033549	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	932774	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	440556	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	74365	5.10	ug/L	0.00
7) Chloroethane-d5	2.89	69	53109	4.95	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	122270	4.59	ug/L	0.00
20) 2-Butanone-d5	7.08	46	26399	7.61	ug/L	0.01
24) Chloroform-d	7.65	84	97477	4.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	51905	4.21	ug/L	0.00
29) Benzene-d6	8.27	84	197306	3.98	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	60233	4.04	ug/L	0.00
37) Toluene-d8	10.32	98	169311	3.77	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	23586	3.83	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	17080	6.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44200	3.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	55070	3.79	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	59475	6.433	ug/L	99
3) Chloromethane	2.21	50	65063	6.224	ug/L	99
5) Vinyl chloride	2.36	62	106191	7.140	ug/L	93
6) Bromomethane	2.78	94	57444	6.614	ug/L	98
8) Chloroethane	2.92	64	58636	7.050	ug/L	98
9) Trichlorofluoromethane	3.25	101	48312	6.141	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	73695	5.457	ug/L	99
12) 1,1-Dichloroethene	4.04	96	70720	5.348	ug/L	88
13) Acetone	4.12	43	45155	9.407	ug/L	97
14) Carbon disulfide	4.38	76	235195	5.760	ug/L	99
15) Methyl Acetate	4.67	43	39001	6.021	ug/L	97
16) Methylene chloride	4.92	84	85494	5.073	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	93561	5.496	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	75247	5.401	ug/L	98
19) 1,1-Dichloroethane	6.21	63	140925	5.596	ug/L	99
21) 2-Butanone	7.17	43	49809	9.671	ug/L	83
22) cis-1,2-Dichloroethene	7.17	96	77008	5.252	ug/L	94
23) Bromochloromethane	7.51	128	34384	5.417	ug/L	96
25) Chloroform	7.67	83	133615	5.547	ug/L	98
27) 1,2-Dichloroethane	8.40	62	89687	5.736	ug/L	99
30) Cyclohexane	7.95	56	120410	5.046	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	106507	5.566	ug/L	99
32) Carbon tetrachloride	8.07	117	96303	5.402	ug/L	99
34) Benzene	8.32	78	310371	5.529	ug/L	100
35) Trichloroethene	9.09	95	77408	5.343	ug/L	97
36) Methylcyclohexane	9.33	83	127889	5.032	ug/L	99
40) 1,2-Dichloropropane	9.37	63	80465	5.664	ug/L	98
41) Bromodichloromethane	9.64	83	92584	5.418	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	105148	4.954	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	94039	10.311	ug/L	99

Data File : VW014760.D
Acq On : 27 Jan 2020 10:24
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Jan 27 12:21:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 12:18:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	309403	5.274	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	87988	5.185	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	54506	5.416	ug/L	99
47) Tetrachloroethene	10.86	164	63107	5.188	ug/L	95
49) 2-Hexanone	10.97	43	65819	10.568	ug/L	96
50) Dibromochloromethane	11.13	129	58644	5.132	ug/L	98
51) 1,2-Dibromoethane	11.23	107	50637	5.331	ug/L	97
52) Chlorobenzene	11.65	112	194836	5.254	ug/L	99
53) Ethylbenzene	11.73	91	329595	5.110	ug/L	98
54) m,p-Xylene	11.84	106	123516	5.061	ug/L	97
55) o-xylene	12.16	106	115719	5.019	ug/L	98
56) Styrene	12.18	104	195586	5.041	ug/L	98
57) Isopropylbenzene	12.46	105	309372	5.045	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	66482	5.441	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	49078	5.362	ug/L	97
62) Bromoform	12.35	173	33348	5.066	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	144309	5.174	ug/L	99
64) 1,4-Dichlorobenzene	13.57	146	148644	5.285	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	131408	5.256	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	10065	5.436	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	98105	4.748	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	67884	4.383	ug/L	100
69) Naphthalene	15.36	128	111091	4.155	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	64505	4.596	ug/L	100

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

Data File : VW014760.D

Acq On : 27 Jan 2020 10:24

Operator : SY/VA

Sample : VSTD005

Misc : 5.00G/10ML/MSVOA W/SOIL

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

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

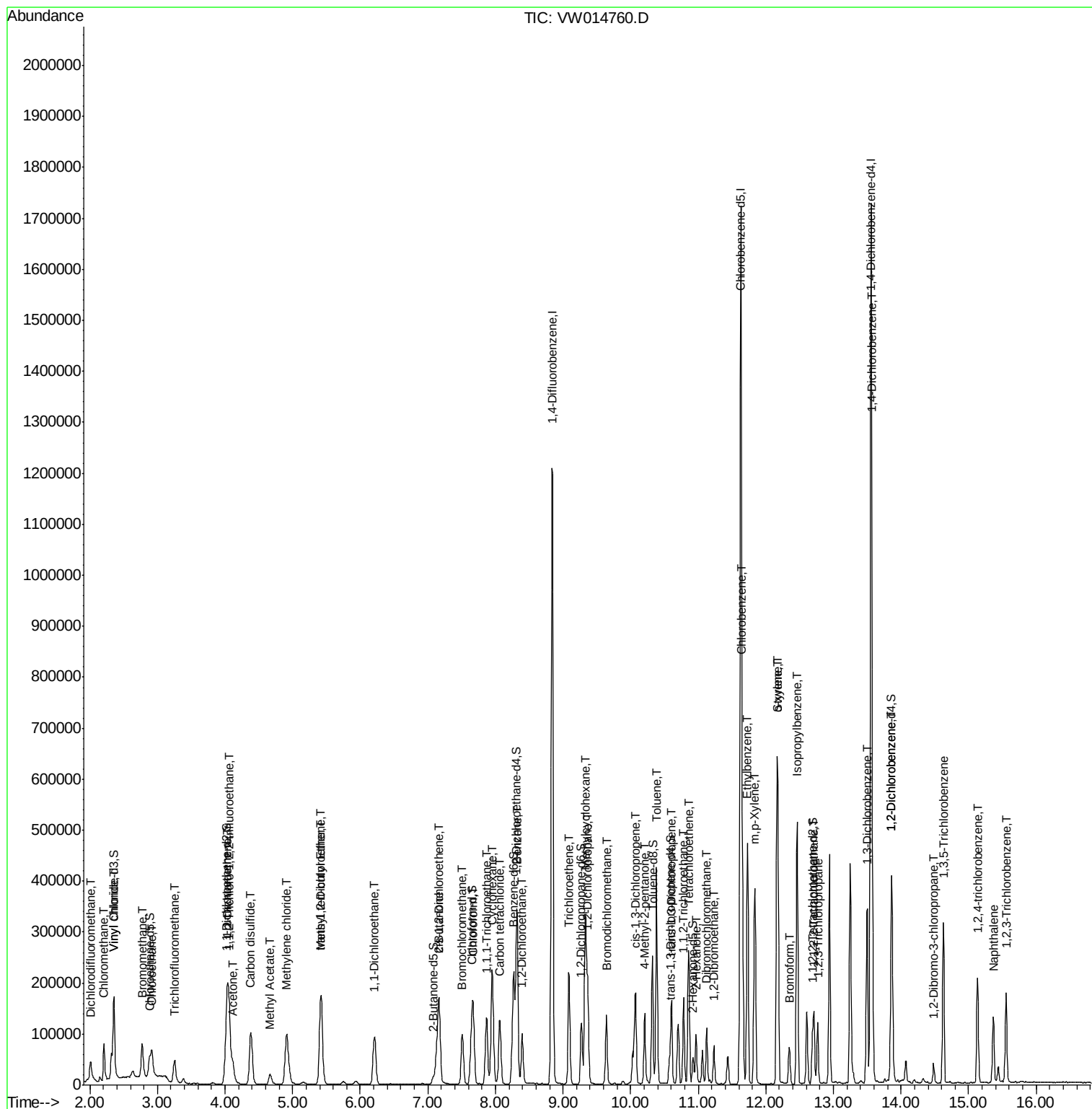
Quant Time: Jan 27 12:21:51 2020

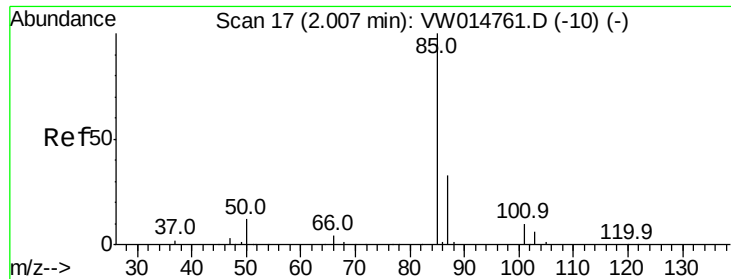
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M

Quant Title : VOC Analysis

QLast Update : Mon Jan 27 12:18:54 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 6.433 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

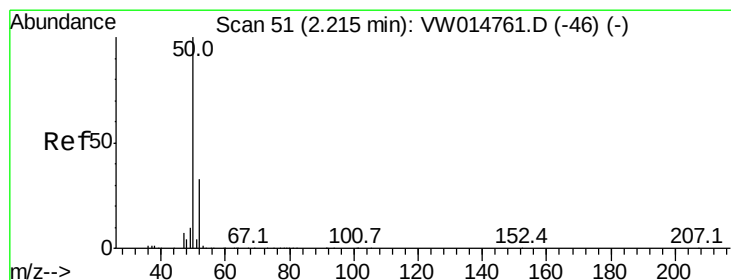
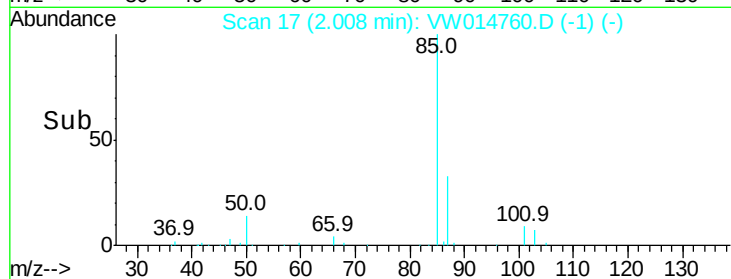
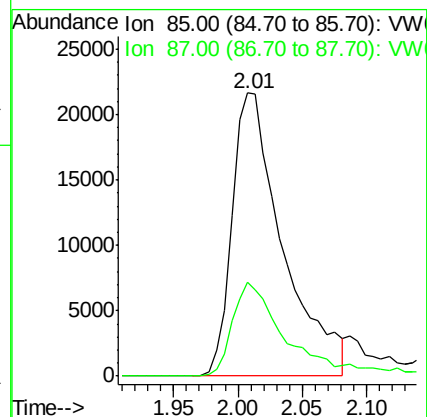
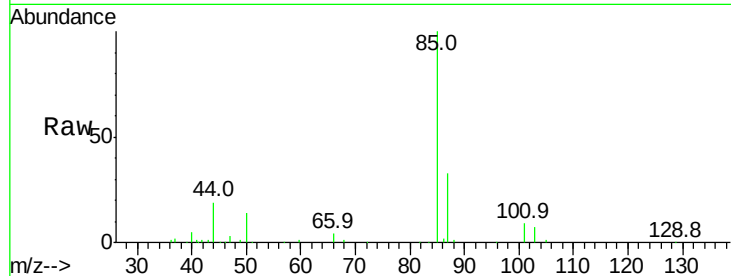
VSTD00504

Tgt Ion: 85 Resp: 59475

Ion Ratio Lower Upper

85 100

87 32.0 22.0 40.8



#3

Chloromethane

Concen: 6.224 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014760.D

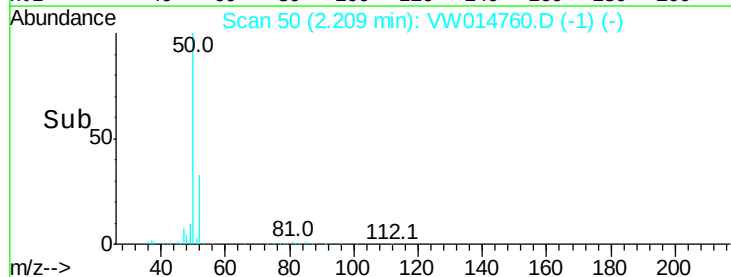
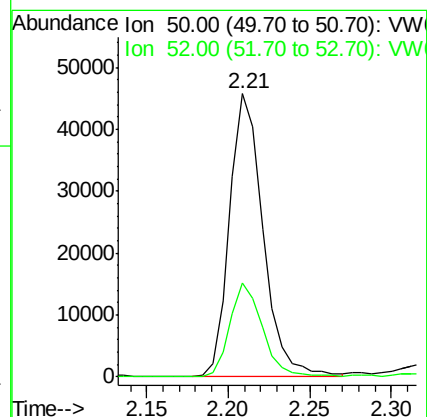
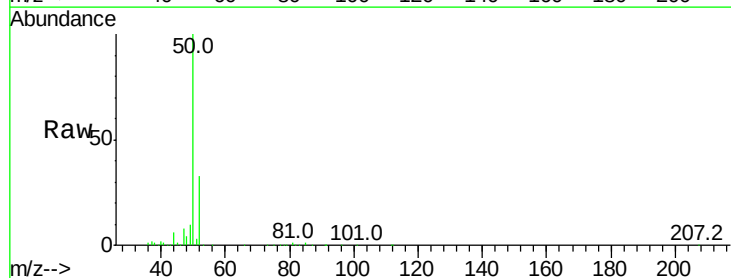
Acq: 27 Jan 2020 10:24

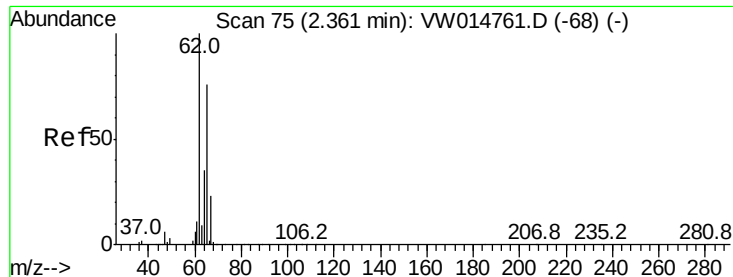
Tgt Ion: 50 Resp: 65063

Ion Ratio Lower Upper

50 100

52 33.0 22.9 42.5





#5

Vinyl chloride

Concen: 7.140 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

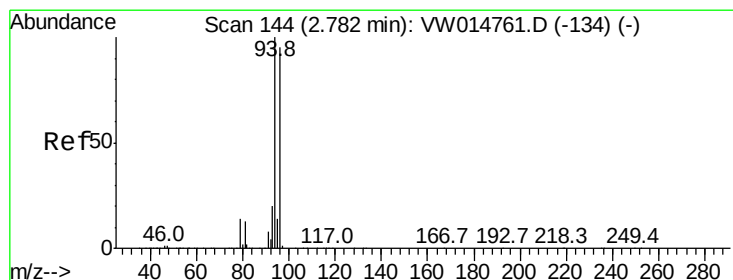
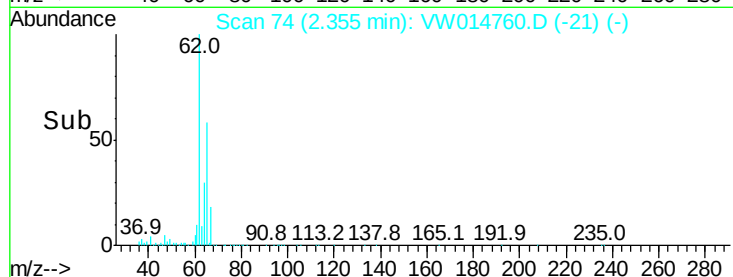
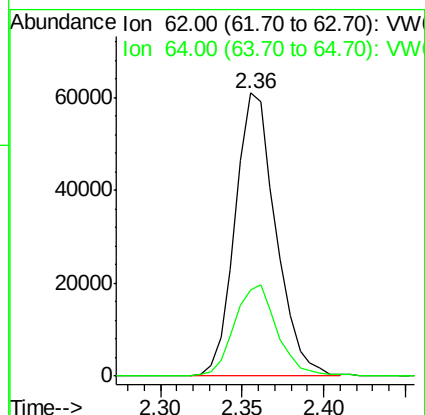
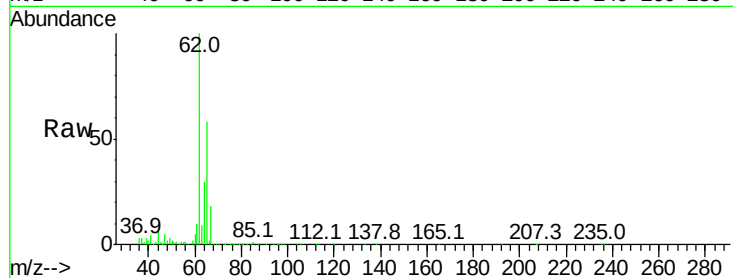
VSTD00504

Tgt Ion: 62 Resp: 106191

Ion Ratio Lower Upper

62 100

64 30.5 24.3 45.1



#6

Bromomethane

Concen: 6.614 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014760.D

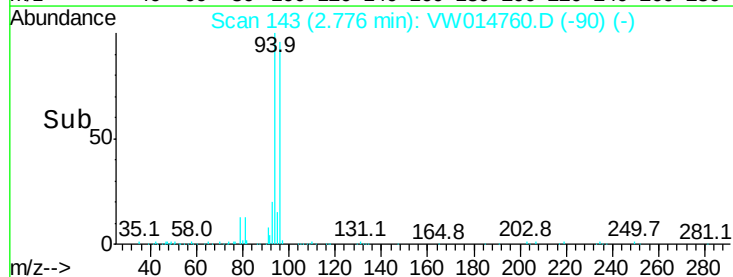
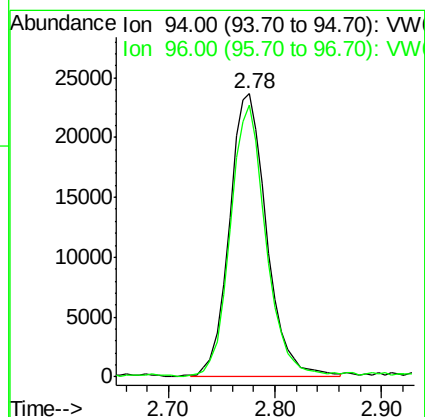
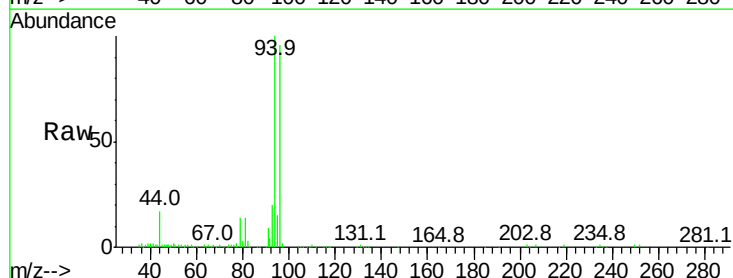
Acq: 27 Jan 2020 10:24

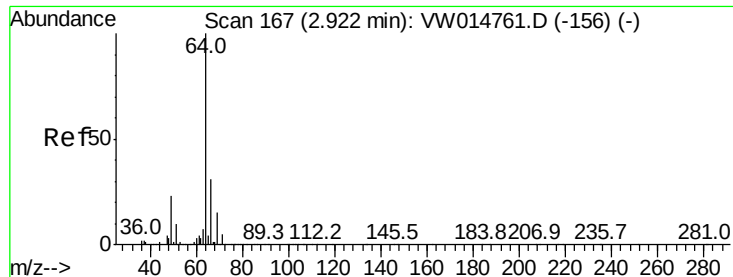
Tgt Ion: 94 Resp: 57444

Ion Ratio Lower Upper

94 100

96 92.0 9.3 177.7





#8

Chloroethane

Concen: 7.050 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

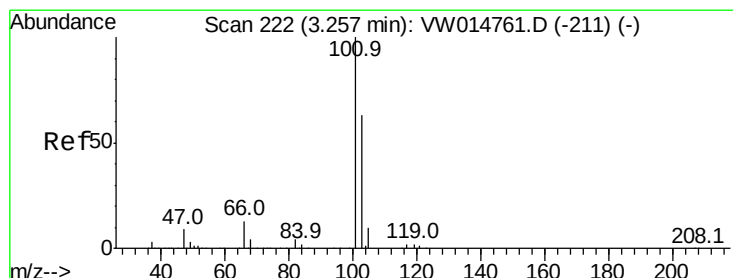
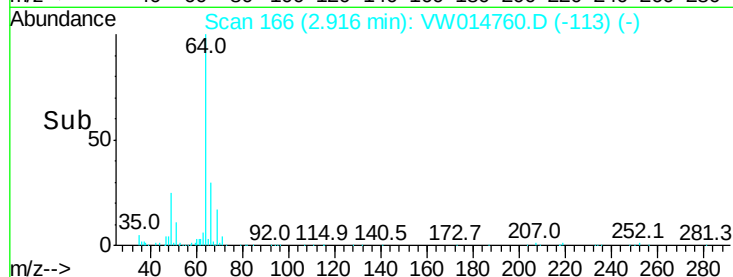
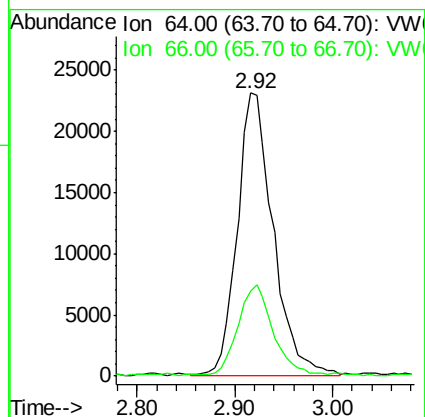
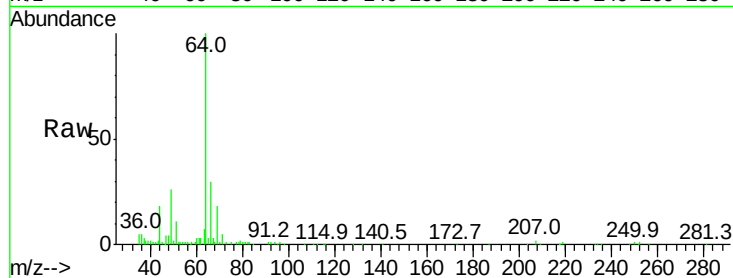
VSTD00504

Tgt Ion: 64 Resp: 58636

Ion Ratio Lower Upper

64 100

66 30.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 6.141 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014760.D

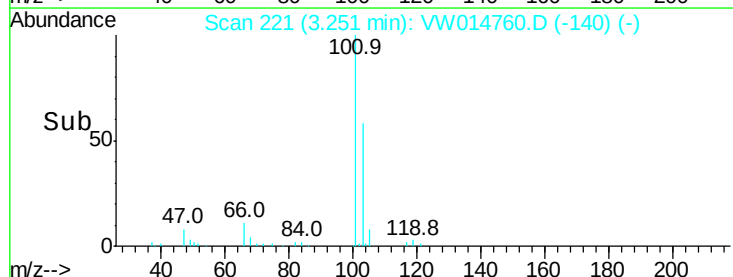
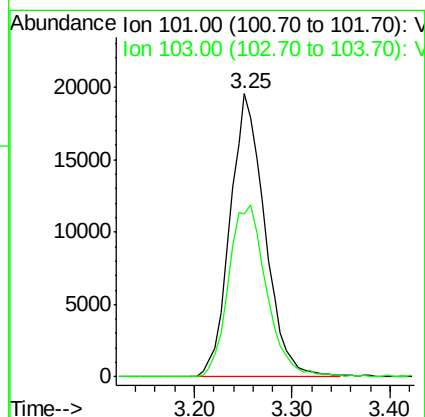
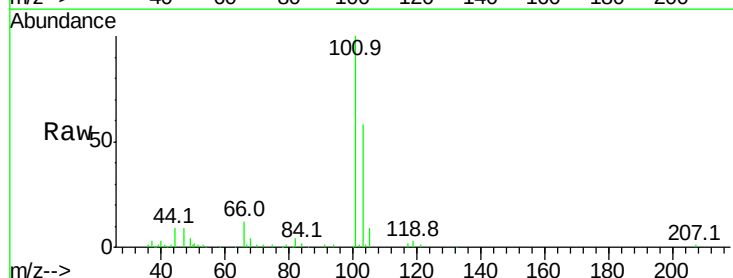
Acq: 27 Jan 2020 10:24

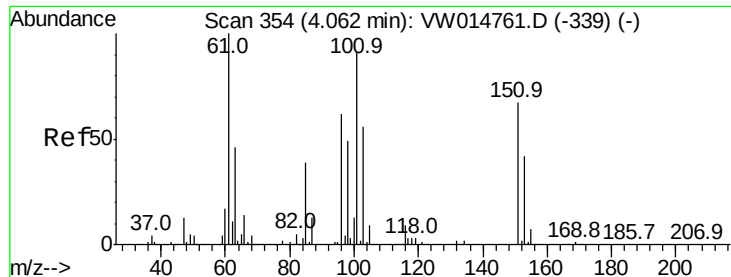
Tgt Ion: 101 Resp: 48312

Ion Ratio Lower Upper

101 100

103 65.0 45.1 83.9





#11

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

Concen: 5.457 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

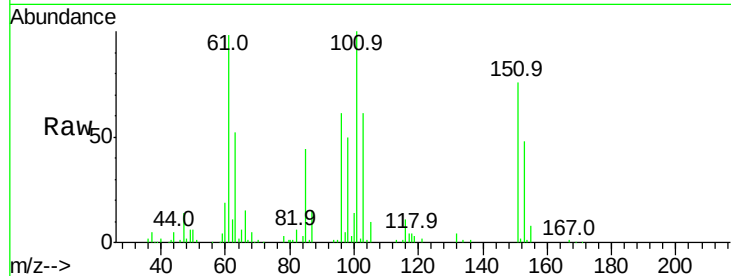
Tgt Ion: 101 Resp: 73695

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.6

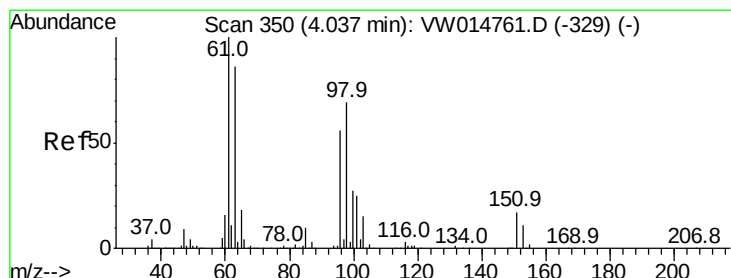
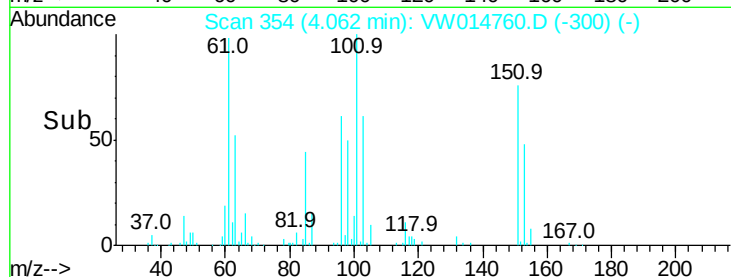
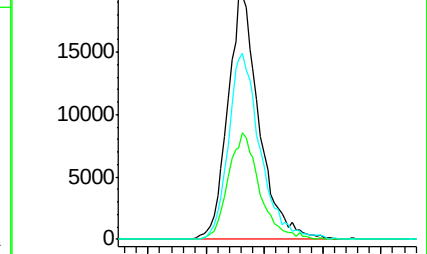
151 73.0 59.7 89.5



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: 5.348 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

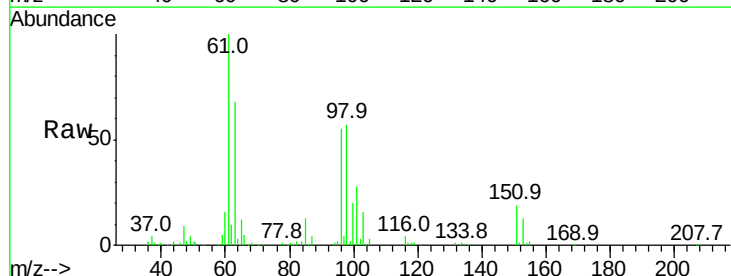
Tgt Ion: 96 Resp: 70720

Ion Ratio Lower Upper

96 100

61 181.8 124.3 230.9

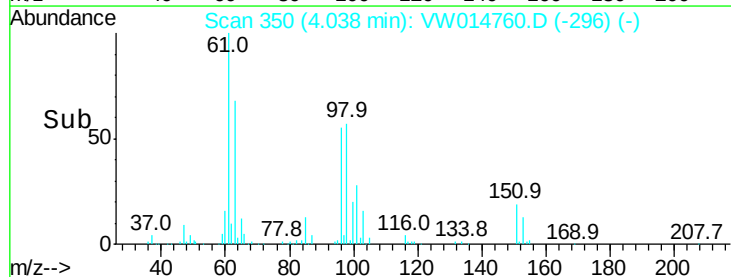
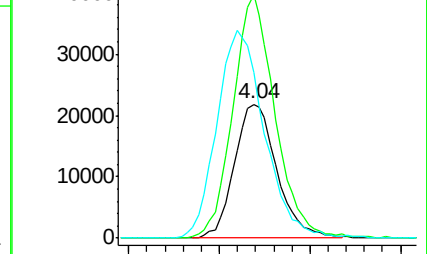
63 124.1 107.0 198.6

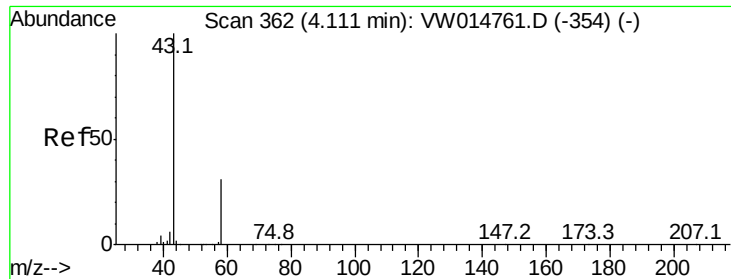


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.407 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

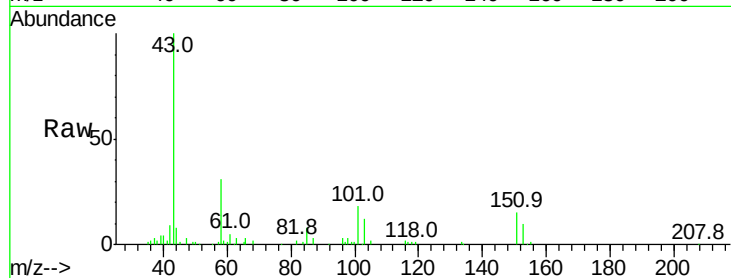
VSTD00504

Tgt Ion: 43 Resp: 45155

Ion Ratio Lower Upper

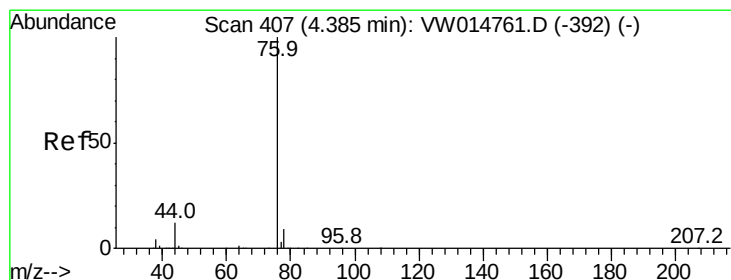
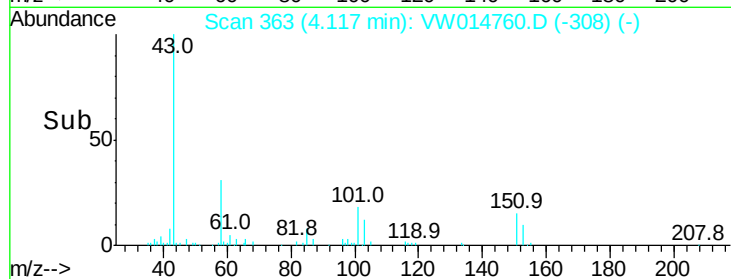
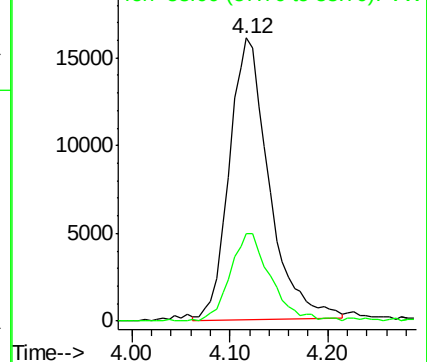
43 100

58 30.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.760 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014760.D

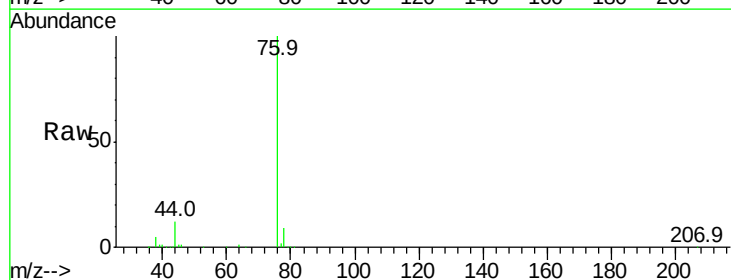
Acq: 27 Jan 2020 10:24

Tgt Ion: 76 Resp: 235195

Ion Ratio Lower Upper

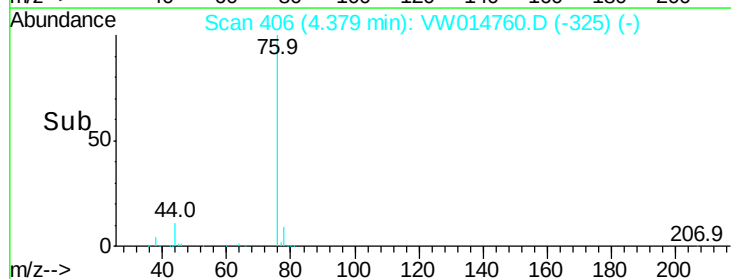
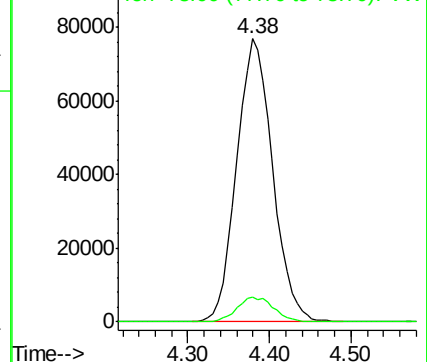
76 100

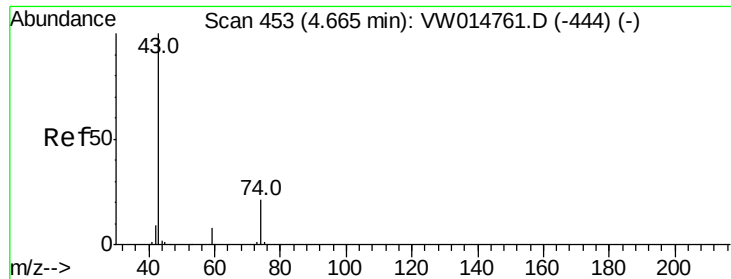
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

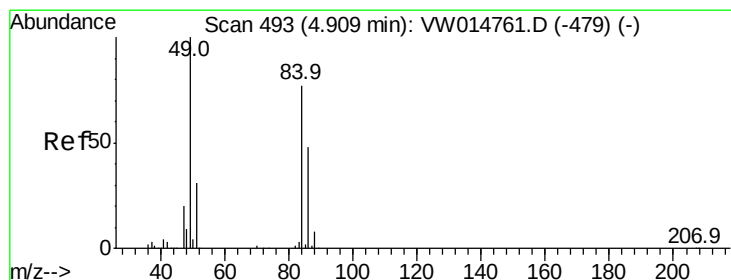
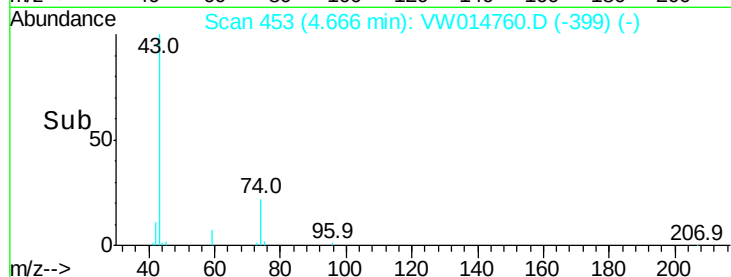
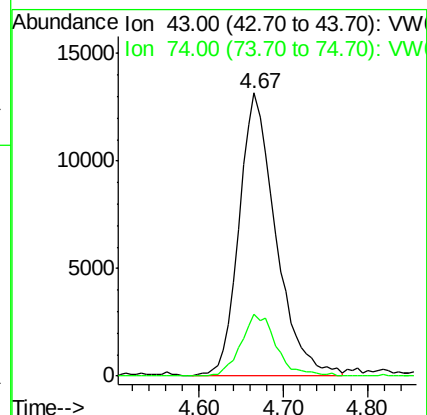
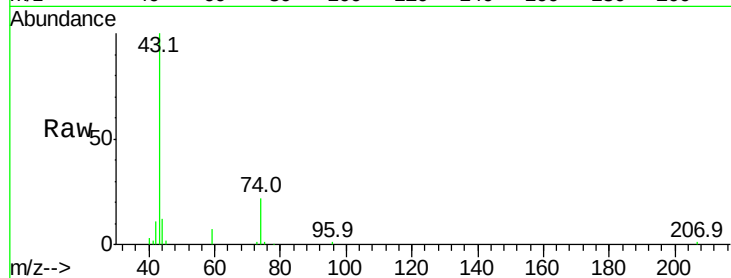




#15
Methyl Acetate
Concen: 6.021 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

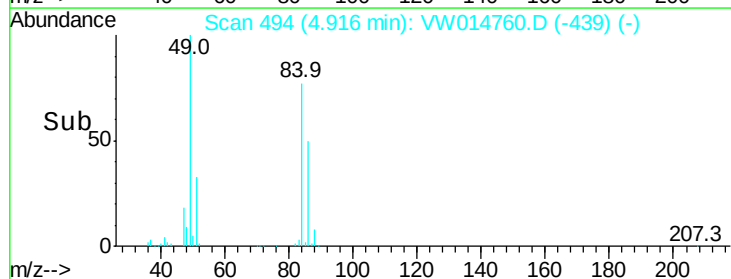
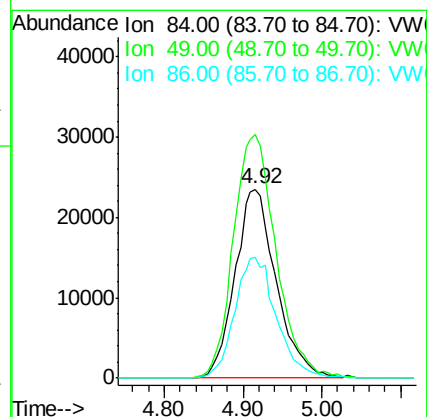
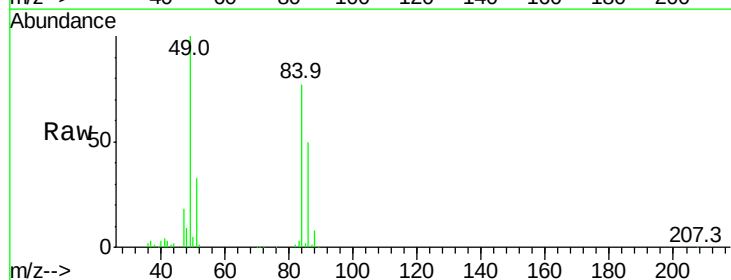
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

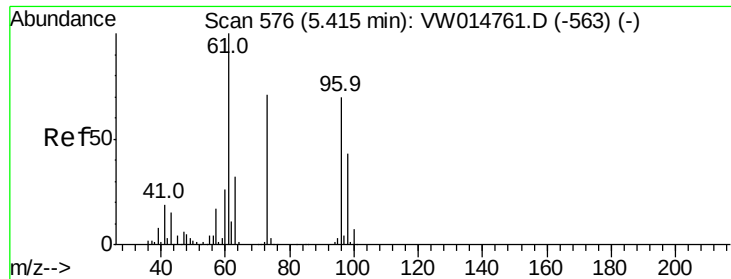
Tgt Ion: 43 Resp: 39001
Ion Ratio Lower Upper
43 100
74 20.8 18.0 27.0



#16
Methylene chloride
Concen: 5.073 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

Tgt Ion: 84 Resp: 85494
Ion Ratio Lower Upper
84 100
49 129.1 90.9 168.7
86 64.0 43.5 80.7

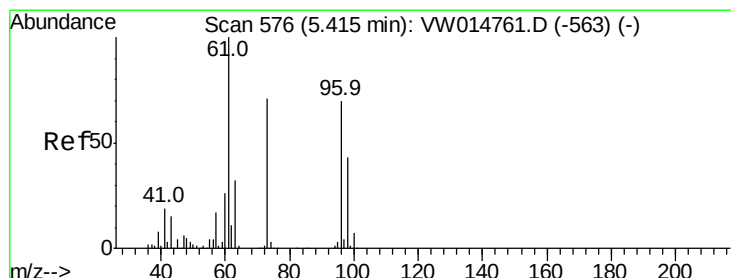
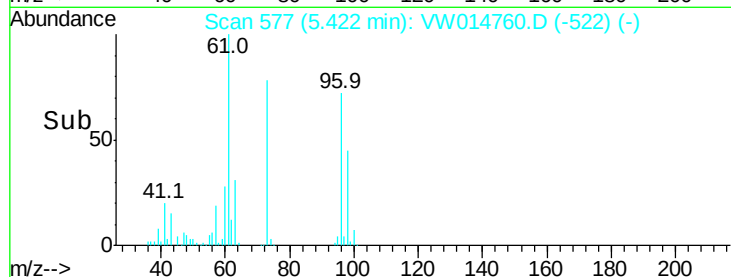
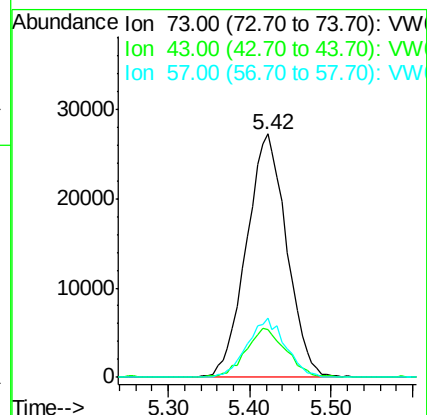
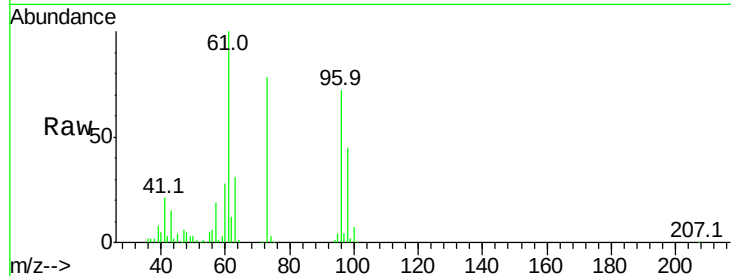




#17
Methyl tert-butyl Ether
Concen: 5.496 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

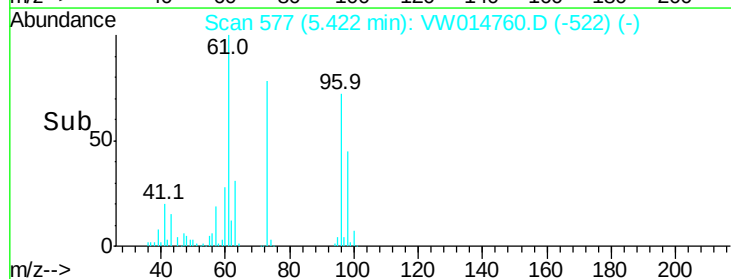
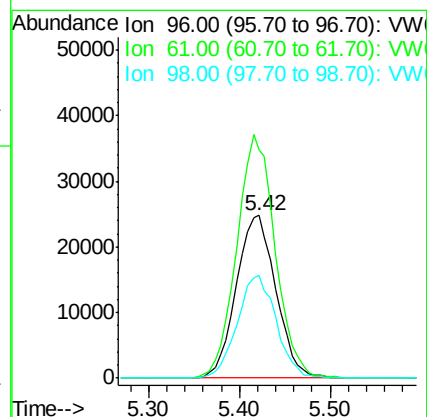
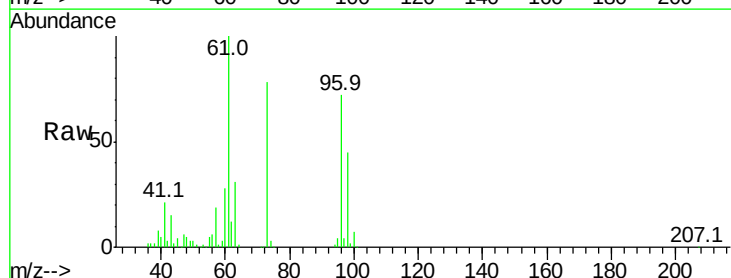
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

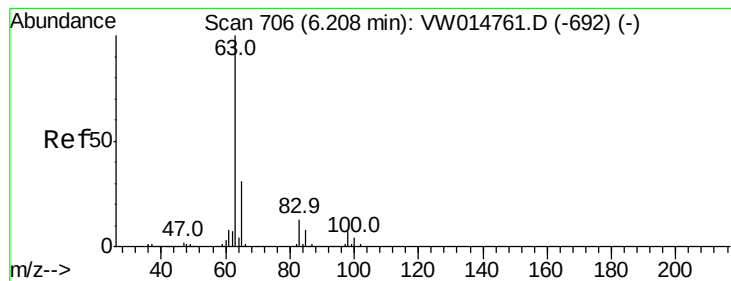
Tgt Ion: 73 Resp: 93561
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.4
57 22.6 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 5.401 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

Tgt Ion: 96 Resp: 75247
Ion Ratio Lower Upper
96 100
61 139.9 100.2 186.0
98 63.0 43.1 80.1





#19

1,1-Dichloroethane

Concen: 5.596 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

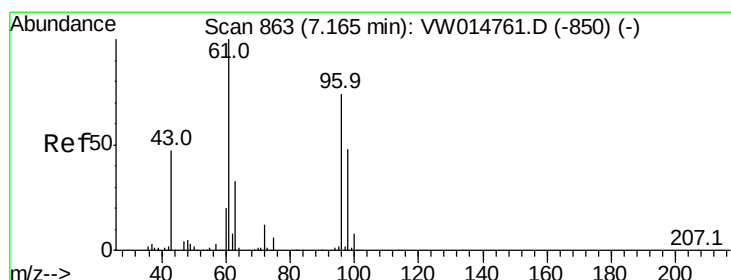
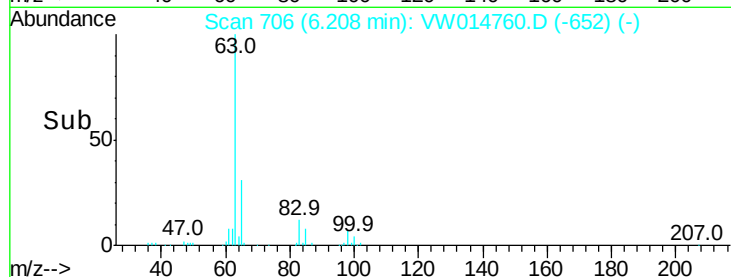
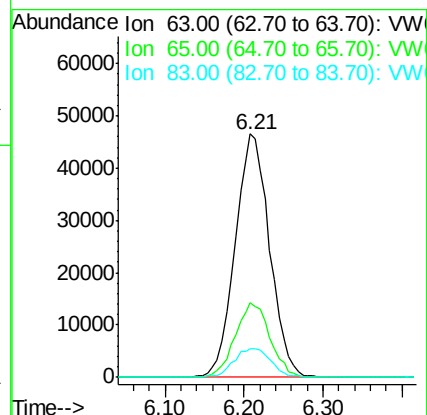
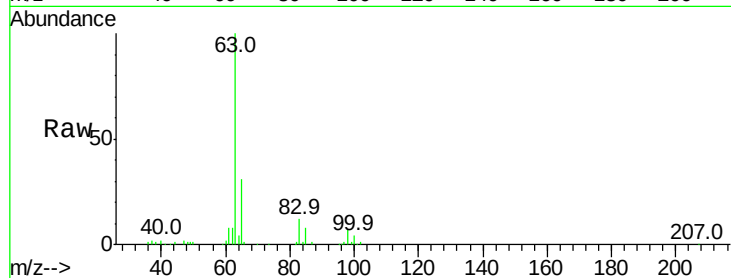
Tgt Ion: 63 Resp: 140925

Ion Ratio Lower Upper

63 100

65 30.8 21.7 40.3

83 12.0 8.8 16.4



#21

2-Butanone

Concen: 9.671 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014760.D

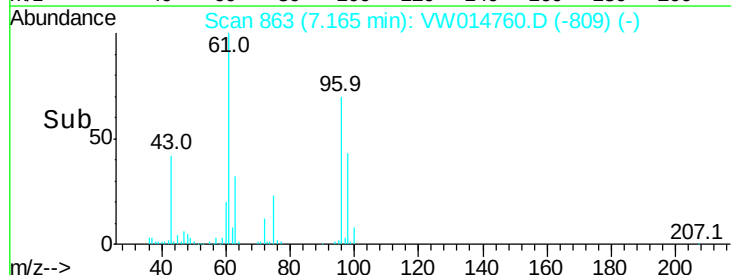
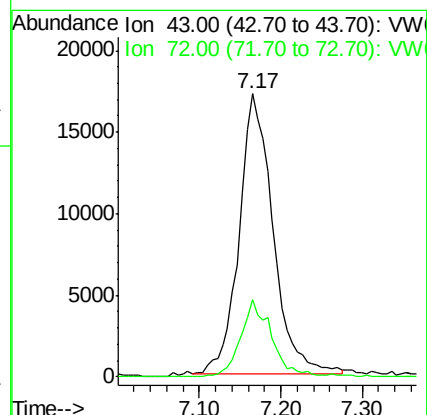
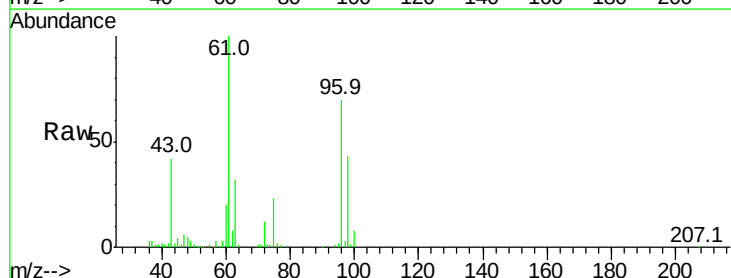
Acq: 27 Jan 2020 10:24

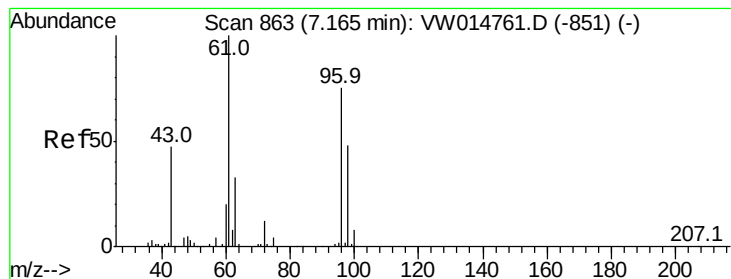
Tgt Ion: 43 Resp: 49809

Ion Ratio Lower Upper

43 100

72 16.8 12.6 37.6



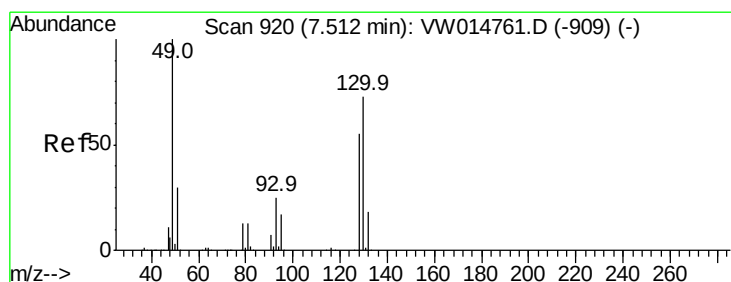
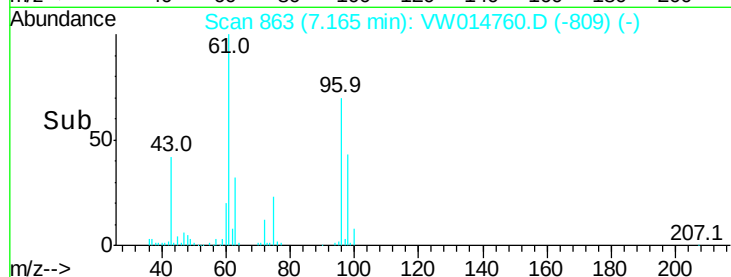
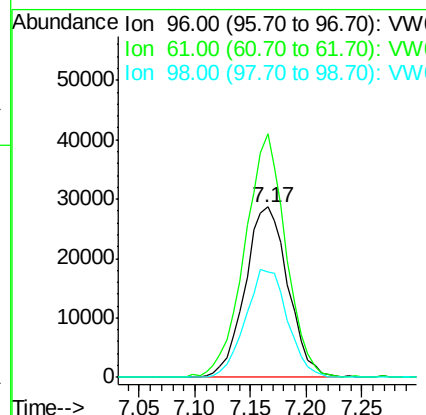
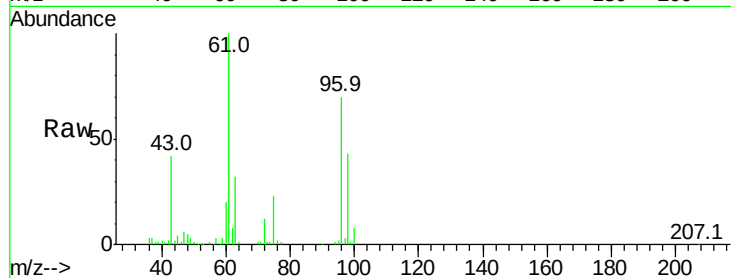


#22

cis-1,2-Dichloroethene
 Concen: 5.252 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

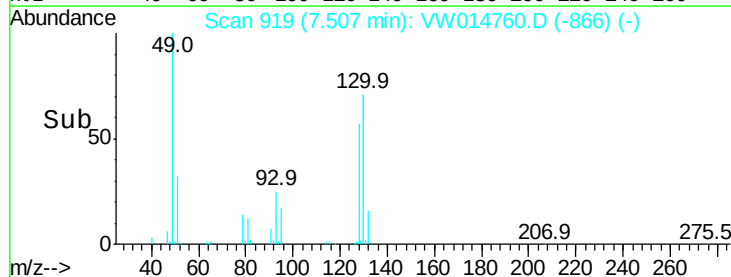
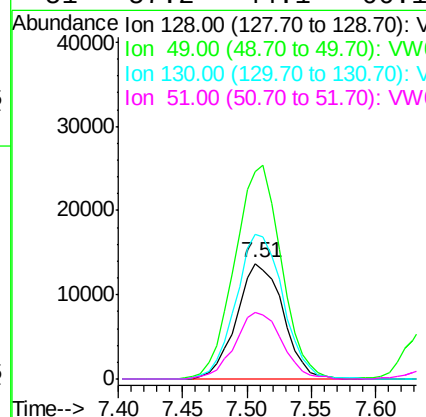
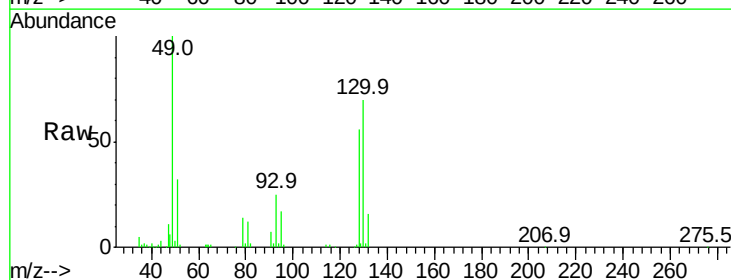
Tgt Ion: 96 Resp: 77008
 Ion Ratio Lower Upper
 96 100
 61 143.0 94.1 174.7
 98 61.7 44.9 83.3

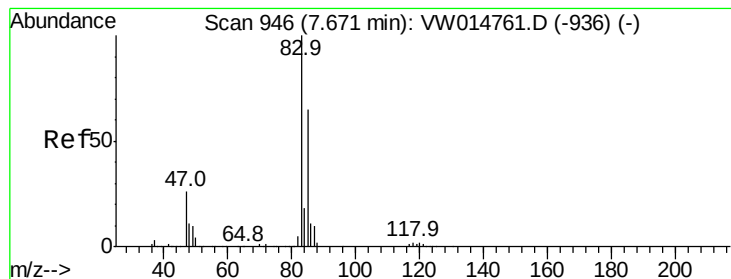


#23

Bromochloromethane
 Concen: 5.417 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

Tgt Ion: 128 Resp: 34384
 Ion Ratio Lower Upper
 128 100
 49 179.7 127.7 237.1
 130 125.6 93.4 173.6
 51 57.2 44.1 66.1





#25

Chloroform

Concen: 5.547 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampled :

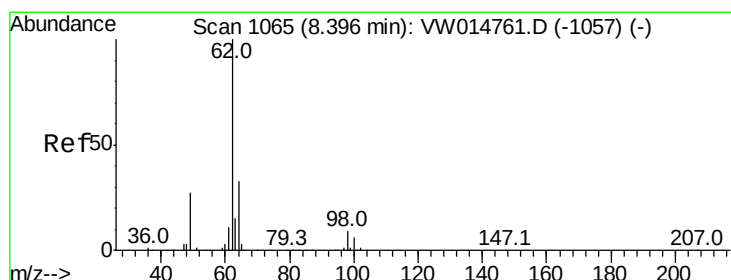
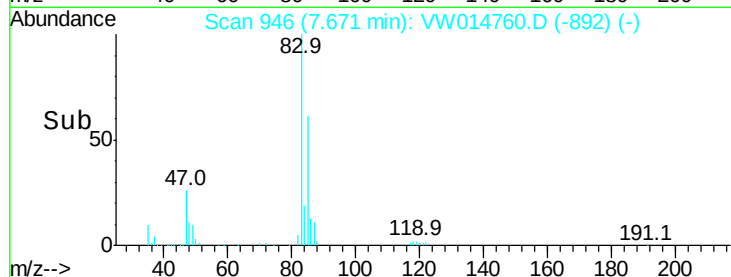
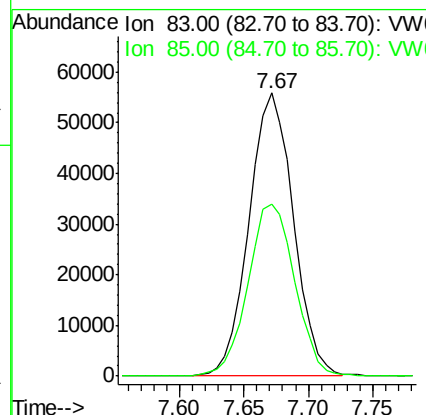
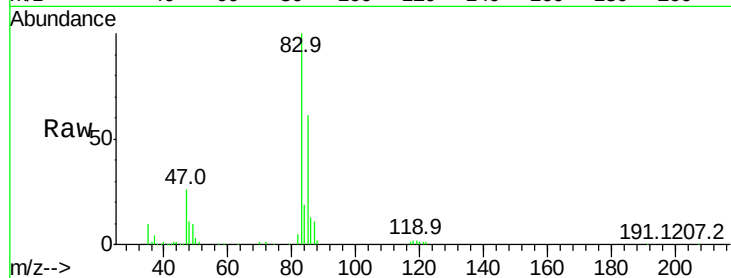
VSTD00504

Tgt Ion: 83 Resp: 133615

Ion Ratio Lower Upper

83 100

85 64.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 5.736 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014760.D

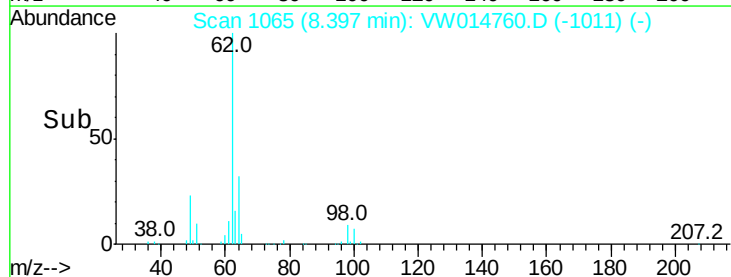
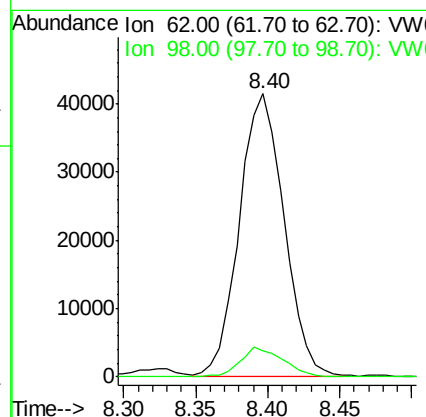
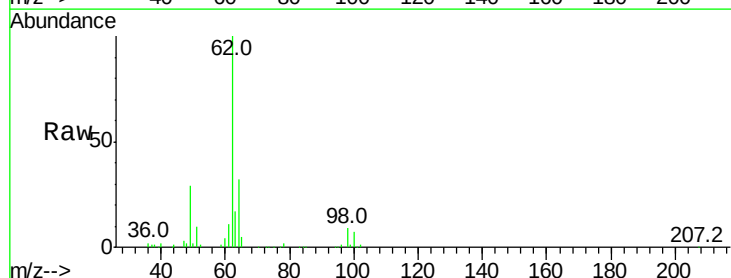
Acq: 27 Jan 2020 10:24

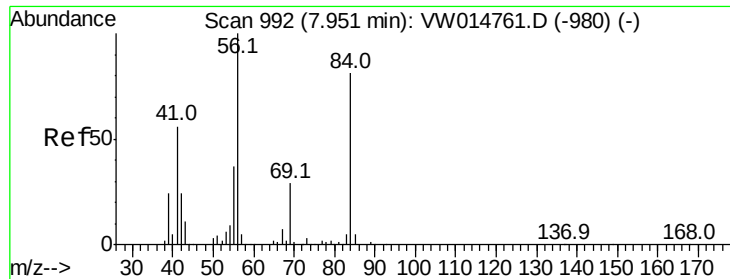
Tgt Ion: 62 Resp: 89687

Ion Ratio Lower Upper

62 100

98 9.1 7.5 11.3

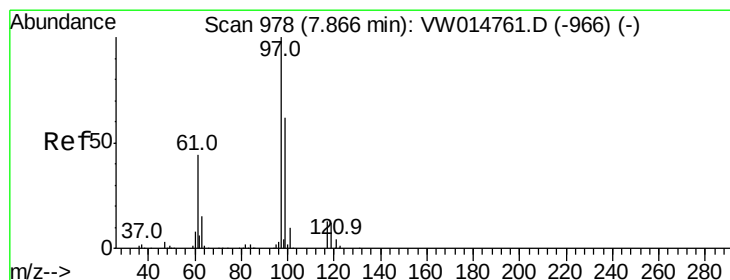
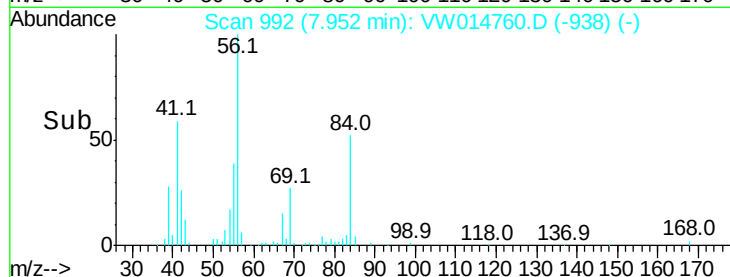
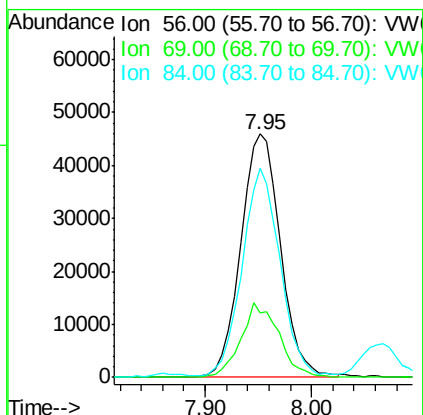
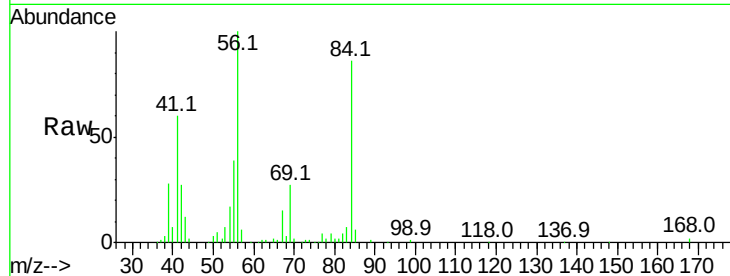




#30
Cyclohexane
Concen: 5.046 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

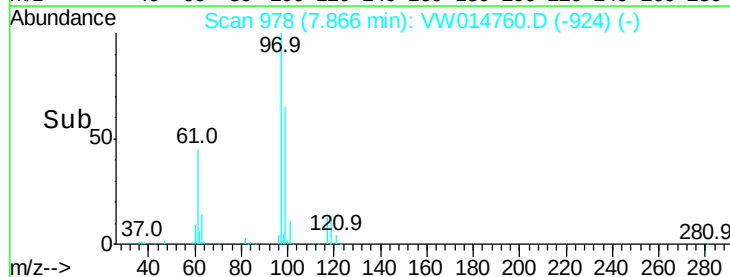
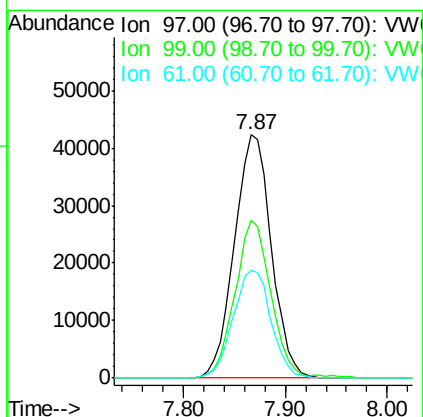
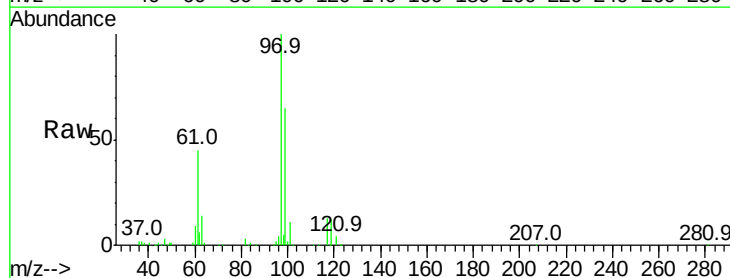
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

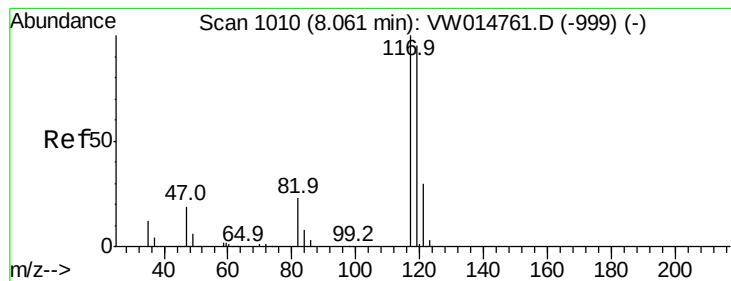
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.6
84	82.2	64.8	97.2



#31
1,1,1-Trichloroethane
Concen: 5.566 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.9	76.3
61	45.5	36.4	54.6





#32

Carbon tetrachloride

Concen: 5.402 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

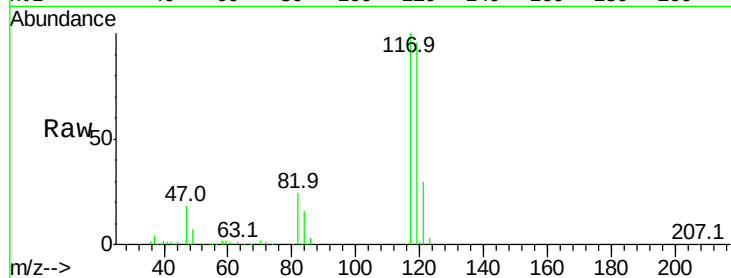
VSTD00504

Tgt Ion:117 Resp: 96303

Ion Ratio Lower Upper

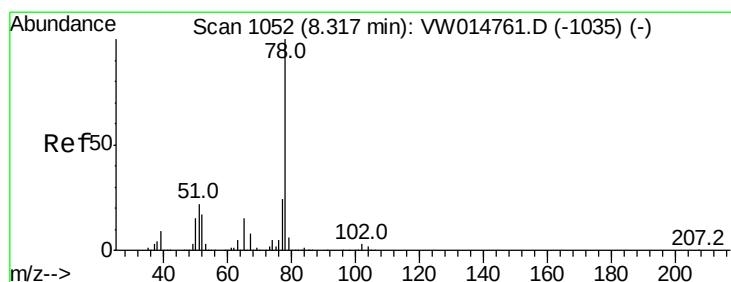
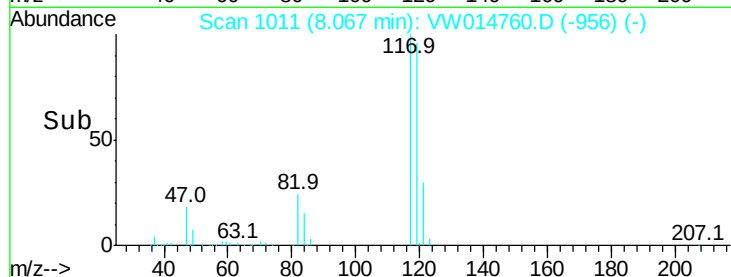
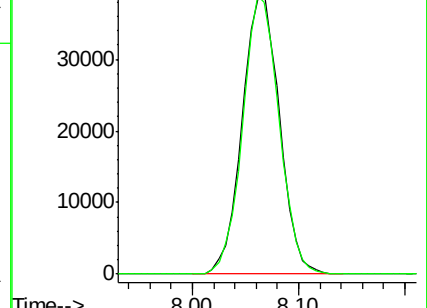
117 100

119 97.1 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.529 ug/L

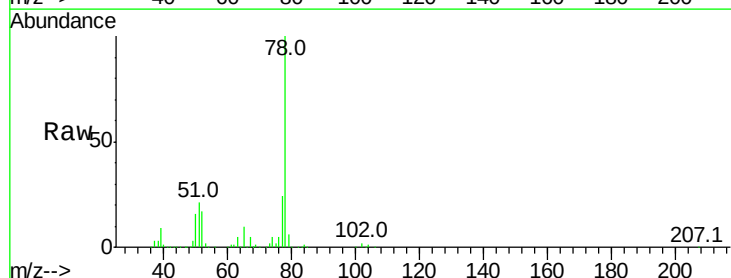
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

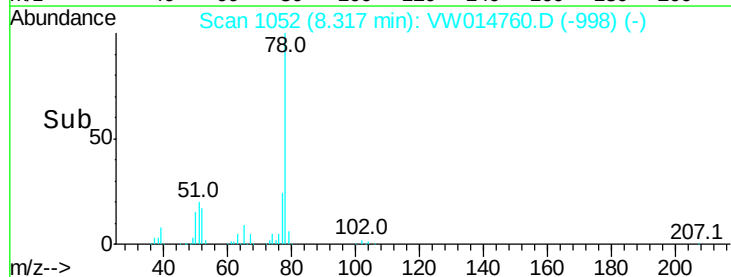
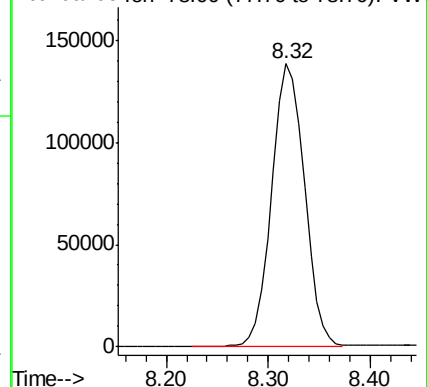
Lab File: VW014760.D

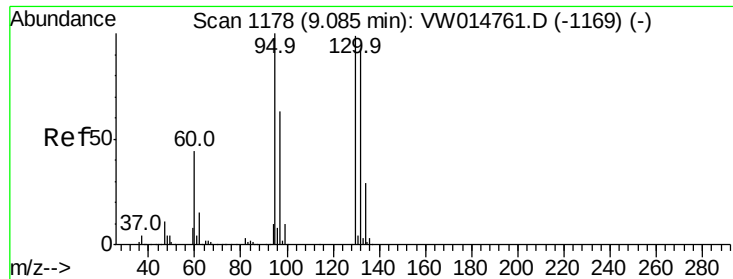
Acq: 27 Jan 2020 10:24

Tgt Ion: 78 Resp: 310371



Abundance Ion 78.00 (77.70 to 78.70): VW

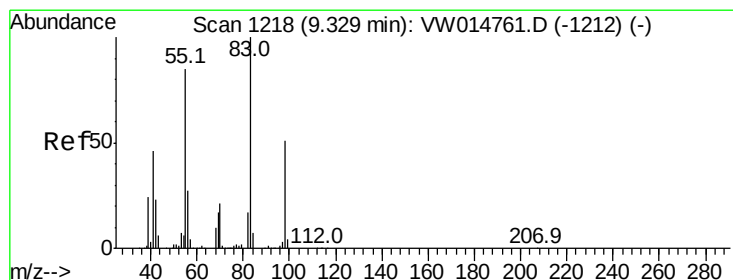
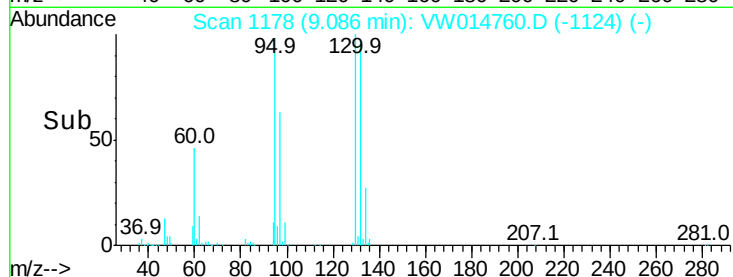
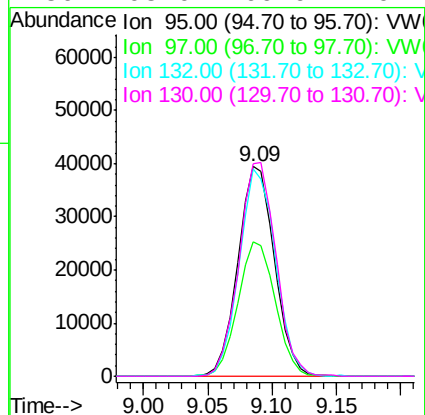
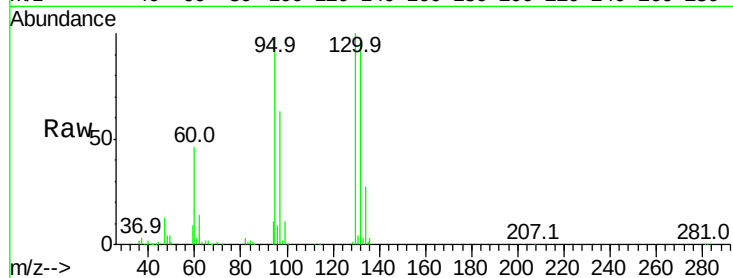




#35
 Trichloroethene
 Concen: 5.343 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

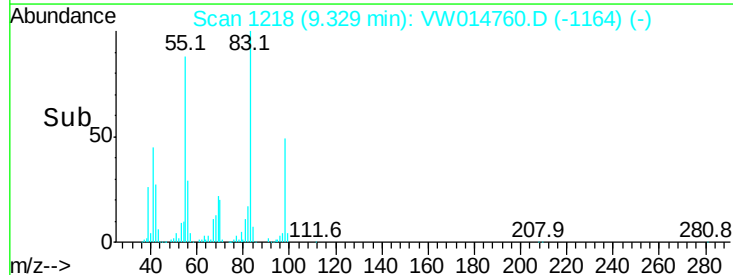
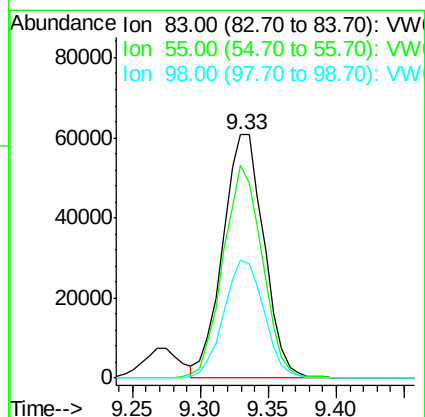
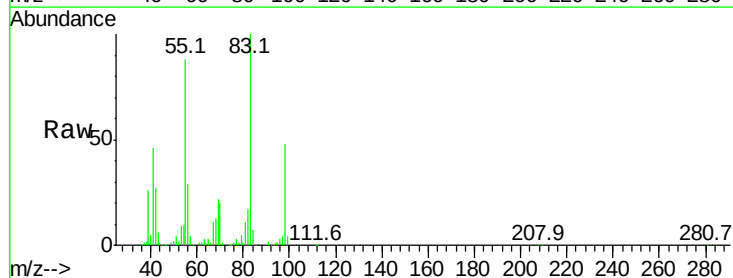
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

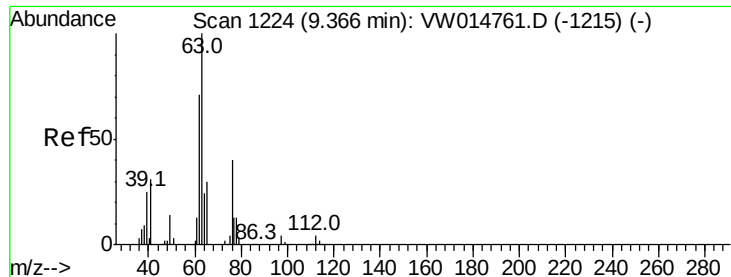
Tgt Ion: 95 Resp: 77408
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.3 82.3
 132 98.4 67.1 124.7
 130 103.0 69.9 129.7



#36
 Methylcyclohexane
 Concen: 5.032 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

Tgt Ion: 83 Resp: 127889
 Ion Ratio Lower Upper
 83 100
 55 83.3 65.6 98.4
 98 47.4 38.0 57.0





#40

1,2-Dichloropropane

Concen: 5.664 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampled :

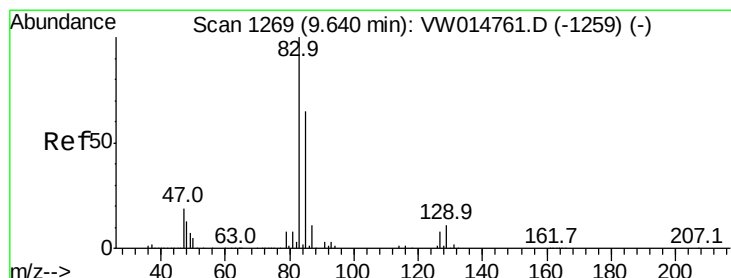
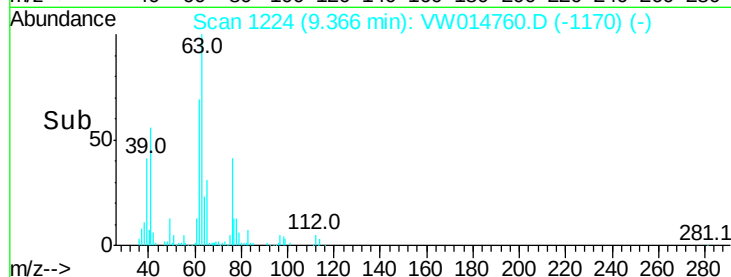
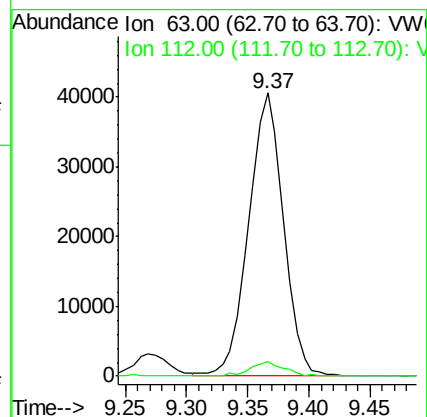
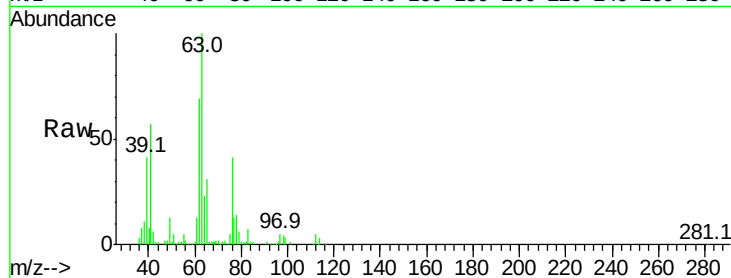
VSTD00504

Tgt Ion: 63 Resp: 80465

Ion Ratio Lower Upper

63 100

112 5.2 3.6 5.4



#41

Bromodichloromethane

Concen: 5.418 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

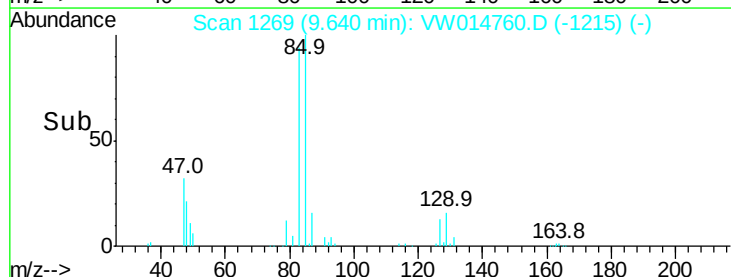
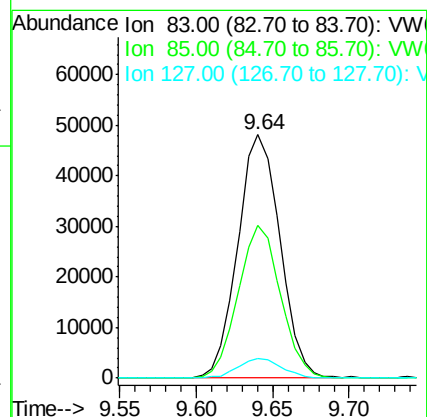
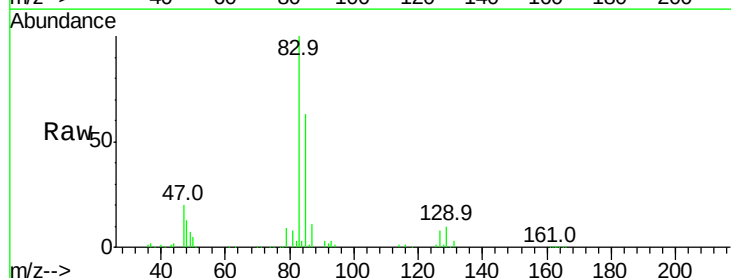
Tgt Ion: 83 Resp: 92584

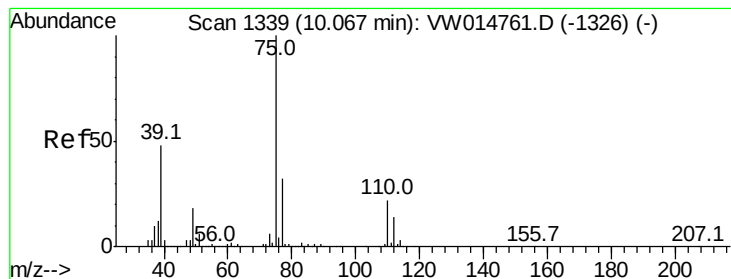
Ion Ratio Lower Upper

83 100

85 62.7 45.7 84.9

127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 4.954 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

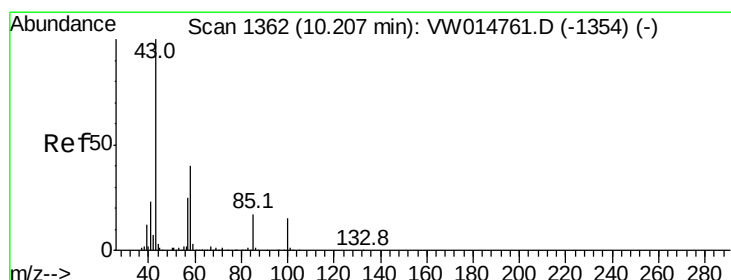
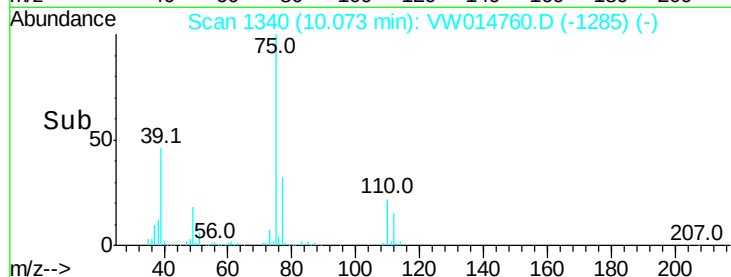
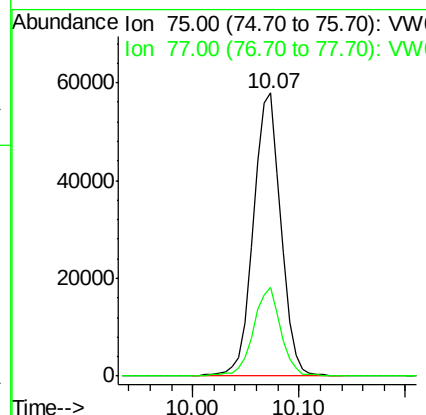
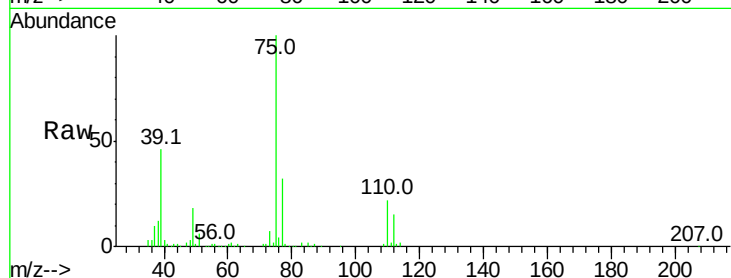
VSTD00504

Tgt Ion: 75 Resp: 105148

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 10.311 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

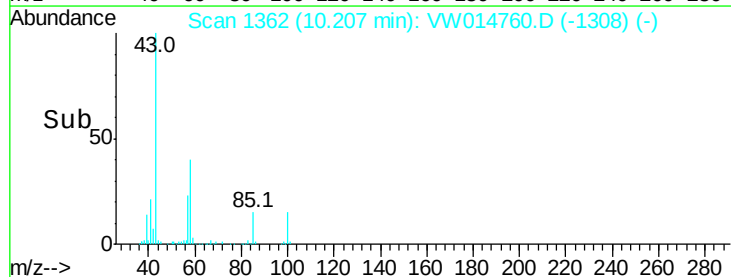
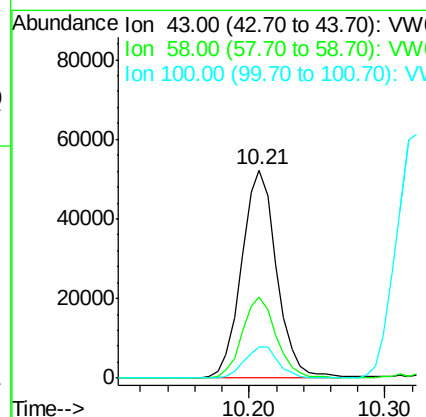
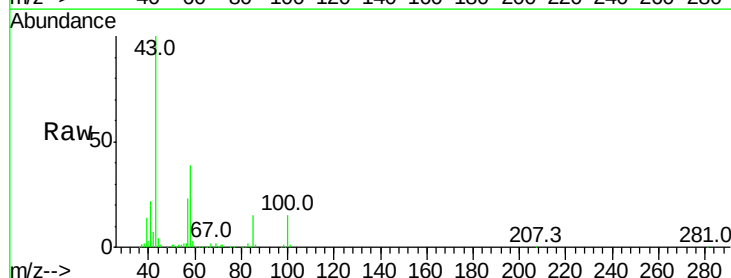
Tgt Ion: 43 Resp: 94039

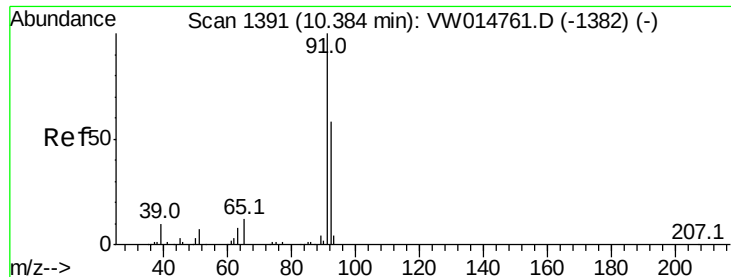
Ion Ratio Lower Upper

43 100

58 37.5 30.9 46.3

100 14.6 11.8 17.6





#44

Toluene

Concen: 5.274 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

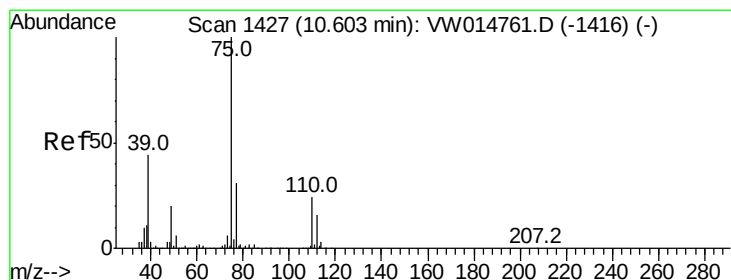
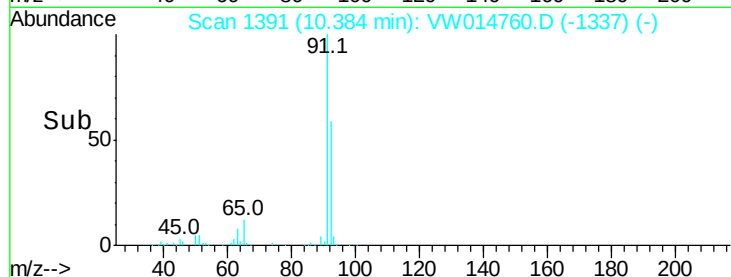
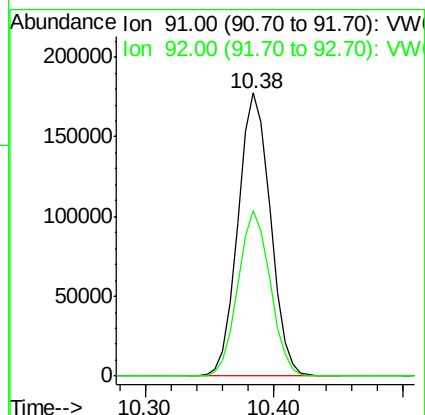
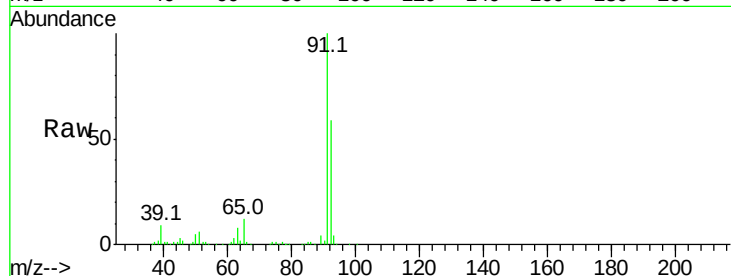
VSTD00504

Tgt Ion: 91 Resp: 309403

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 5.185 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014760.D

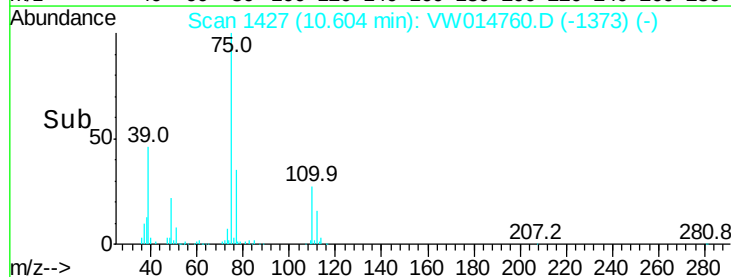
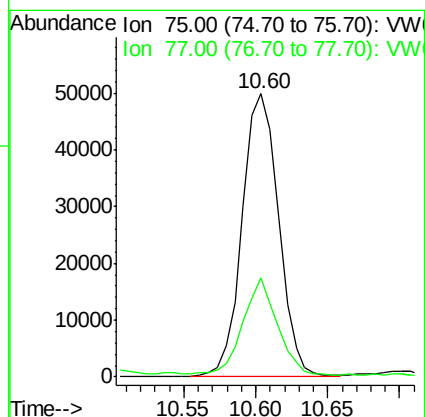
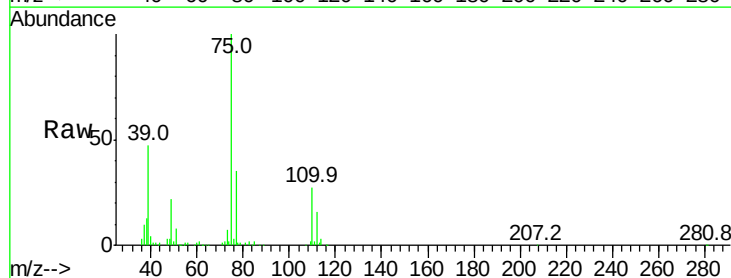
Acq: 27 Jan 2020 10:24

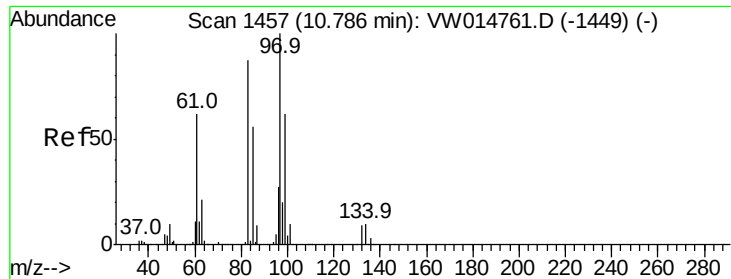
Tgt Ion: 75 Resp: 87988

Ion Ratio Lower Upper

75 100

77 34.8 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 5.416 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 97 Resp: 54506

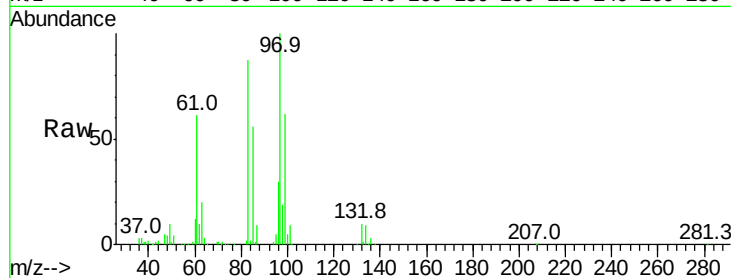
Ion Ratio Lower Upper

97 100

83 87.2 60.9 113.1

85 56.4 39.2 72.8

99 62.2 43.0 80.0

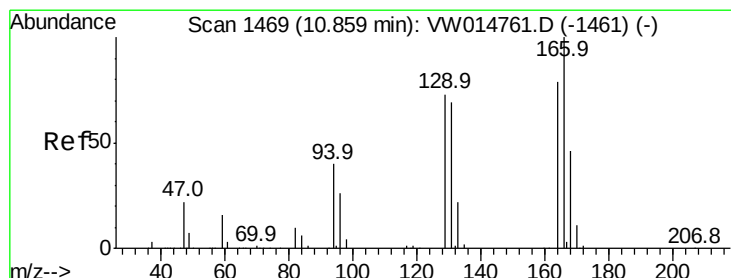
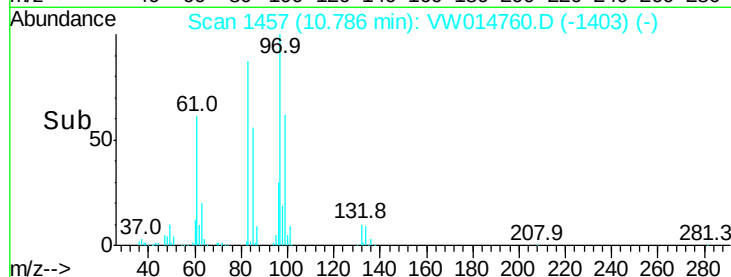
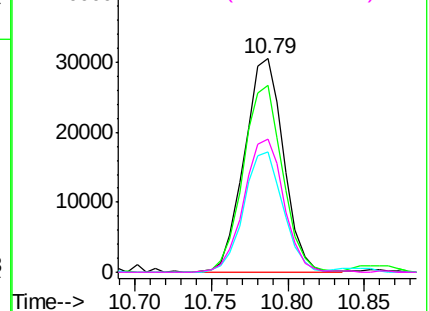


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.188 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Tgt Ion: 164 Resp: 63107

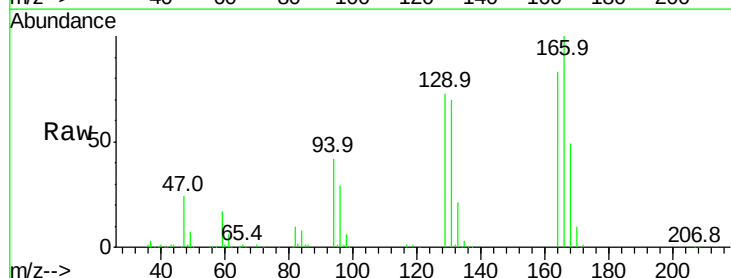
Ion Ratio Lower Upper

164 100

129 88.2 64.4 119.6

131 83.8 61.2 113.6

166 120.3 88.8 165.0

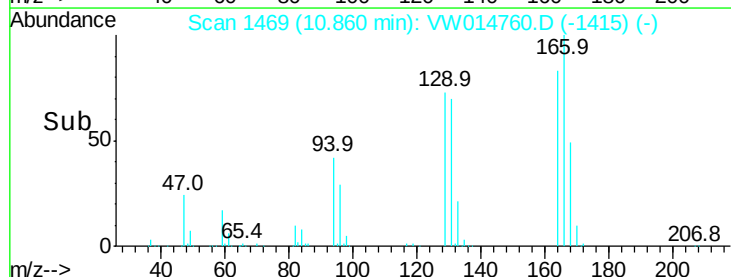
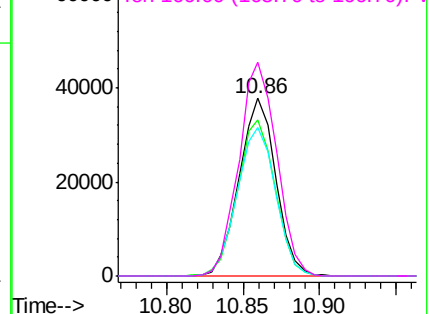


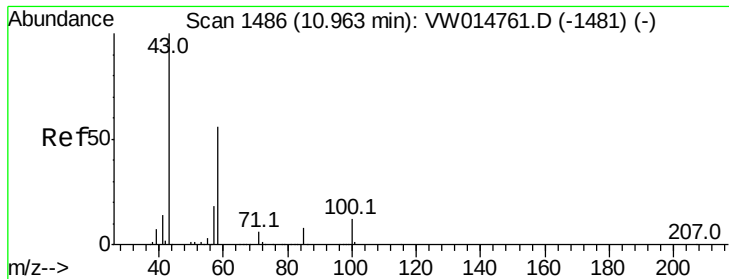
Abundance Ion 164.00 (163.70 to 164.70): V

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

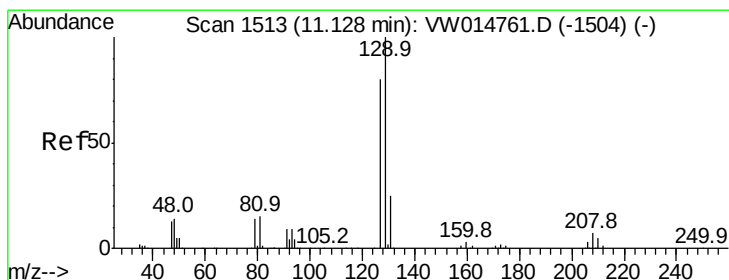
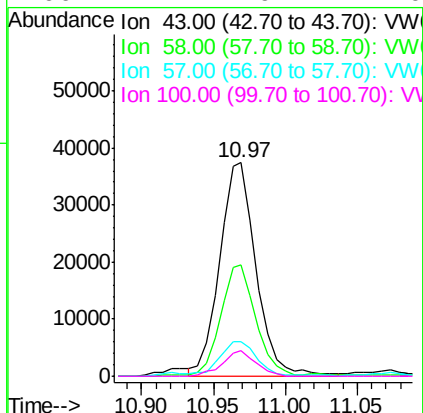
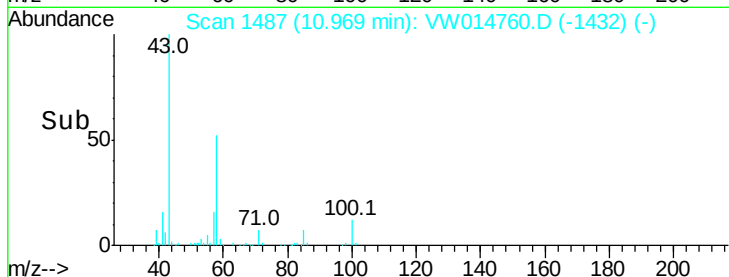
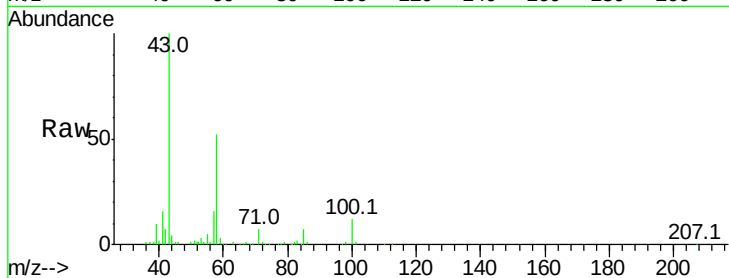




#49
2-Hexanone
Concen: 10.568 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

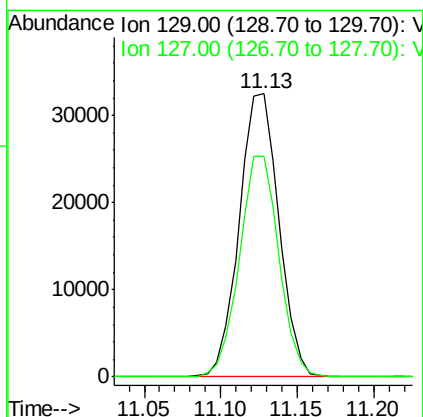
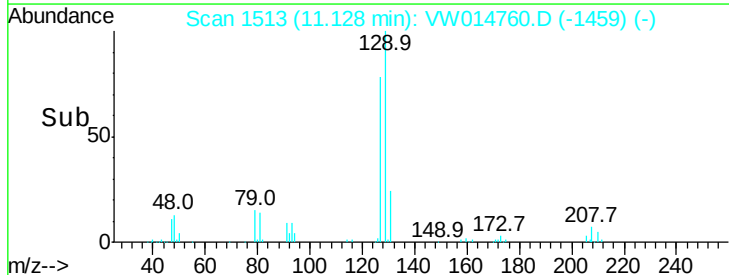
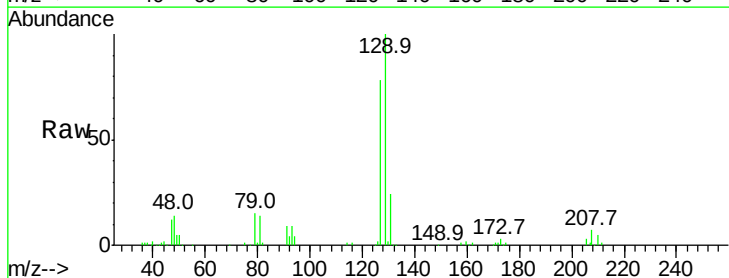
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

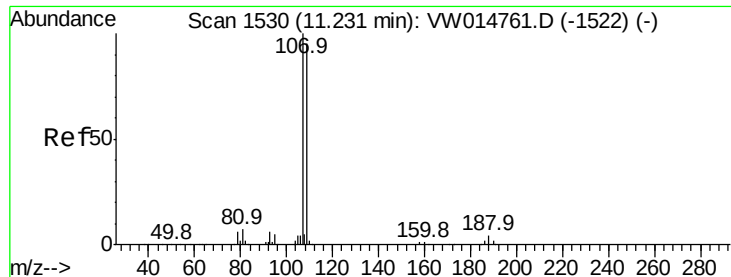
Tgt Ion: 43 Resp: 65819
Ion Ratio Lower Upper
43 100
58 50.3 43.2 64.8
57 16.5 14.7 22.1
100 11.1 9.4 14.0



#50
Dibromochloromethane
Concen: 5.132 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

Tgt Ion: 129 Resp: 58644
Ion Ratio Lower Upper
129 100
127 78.0 55.7 103.5

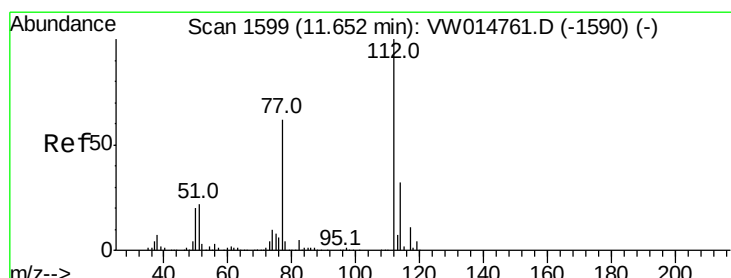
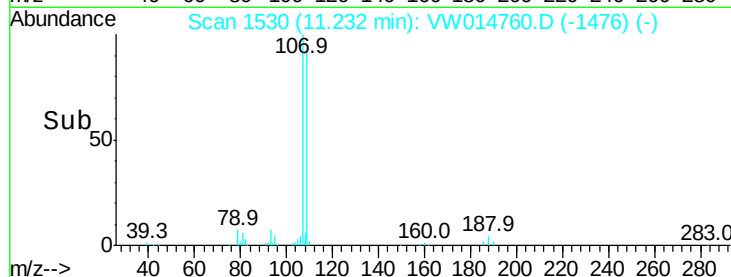
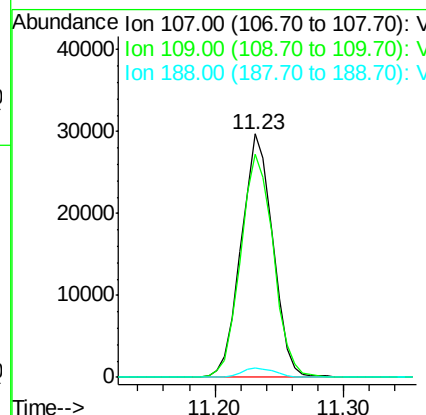
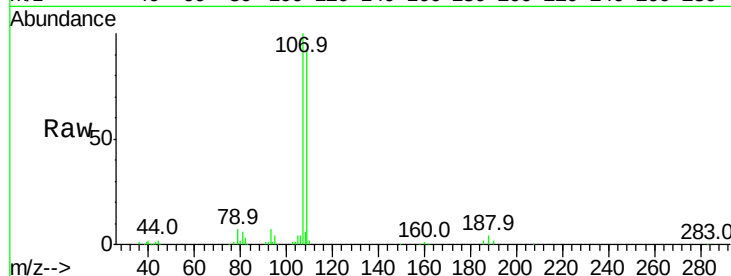




#51
1,2-Dibromoethane
Concen: 5.331 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

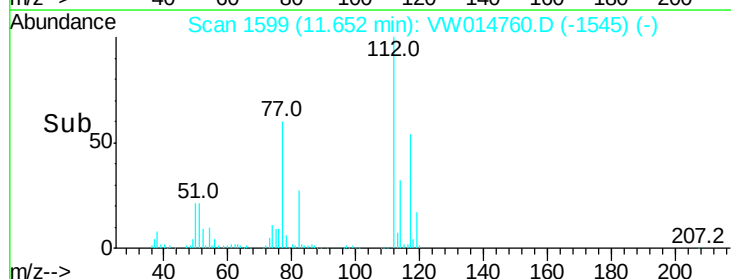
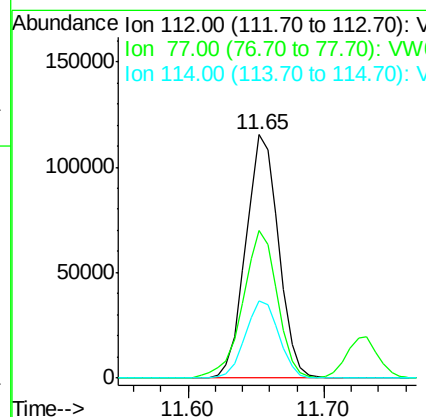
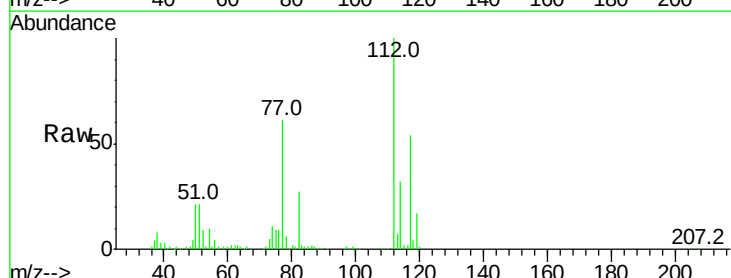
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

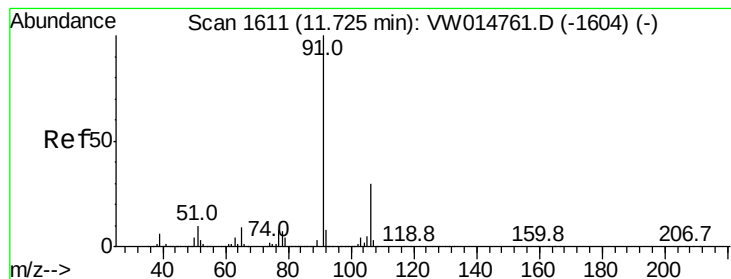
Tgt Ion:107 Resp: 50637
Ion Ratio Lower Upper
107 100
109 91.8 66.6 123.8
188 4.0 3.0 4.6



#52
Chlorobenzene
Concen: 5.254 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014760.D
Acq: 27 Jan 2020 10:24

Tgt Ion:112 Resp: 194836
Ion Ratio Lower Upper
112 100
77 60.5 49.2 73.8
114 31.7 22.5 41.7





#53

Ethylbenzene

Concen: 5.110 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

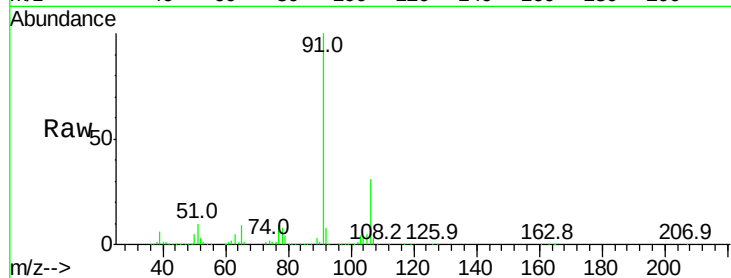
VSTD00504

Tgt Ion: 91 Resp: 329595

Ion Ratio Lower Upper

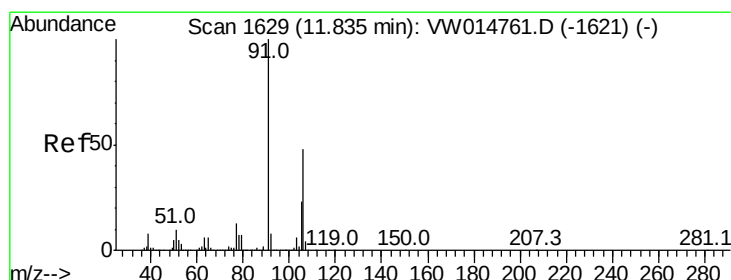
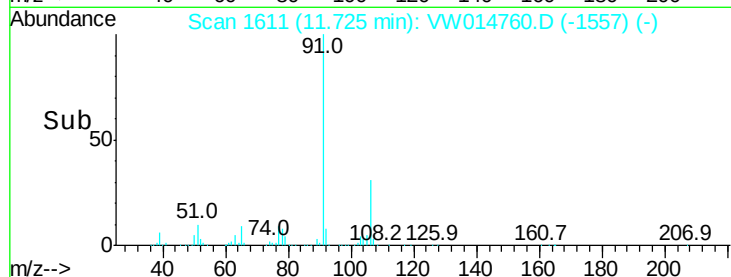
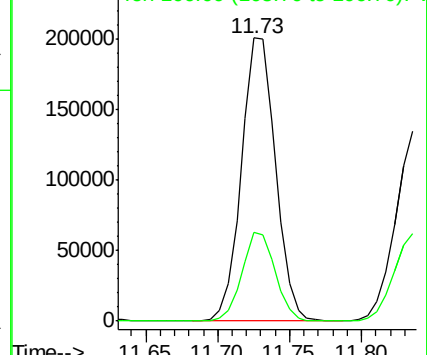
91 100

106 31.5 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 5.061 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014760.D

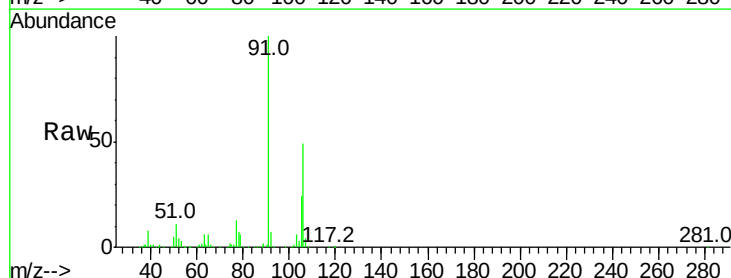
Acq: 27 Jan 2020 10:24

Tgt Ion: 106 Resp: 123516

Ion Ratio Lower Upper

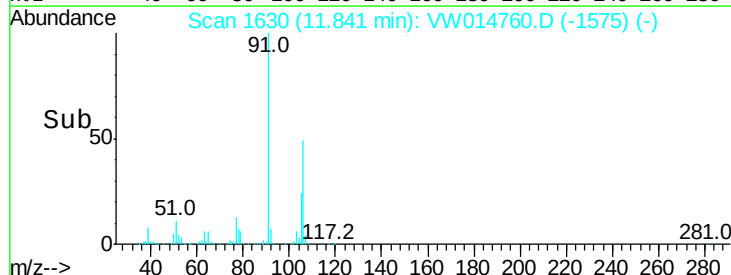
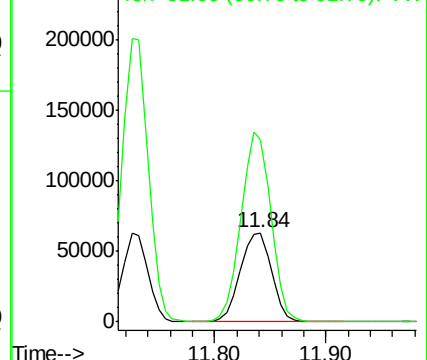
106 100

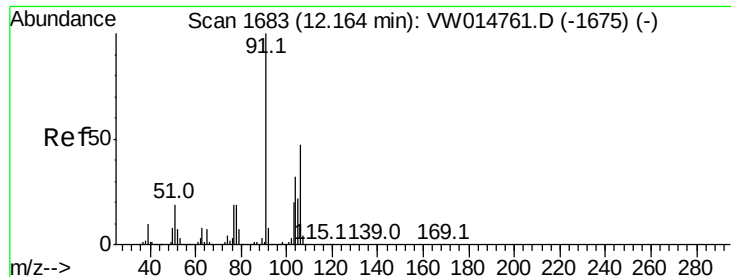
91 205.0 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 5.019 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampled :

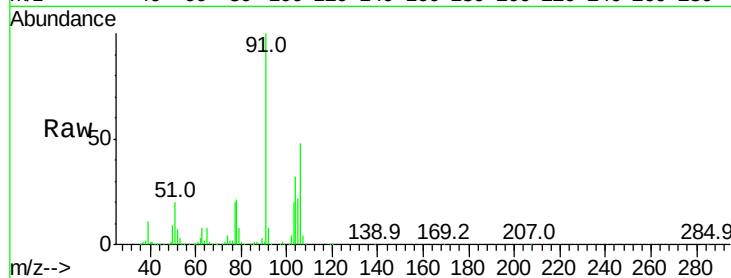
VSTD00504

Tgt Ion:106 Resp: 115719

Ion Ratio Lower Upper

106 100

91 208.5 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

150000

100000

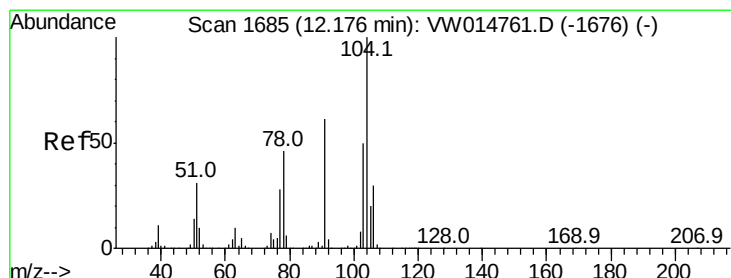
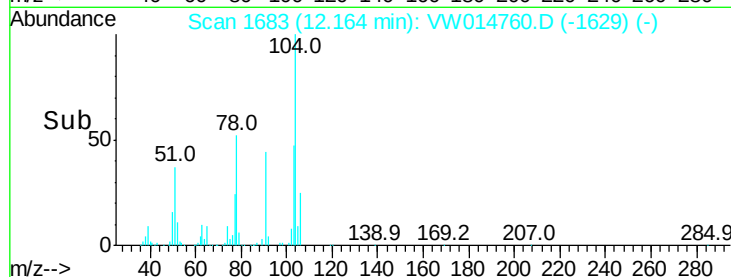
50000

0

12.16

Time-->

12.10 12.15 12.20 12.25



#56

Styrene

Concen: 5.041 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014760.D

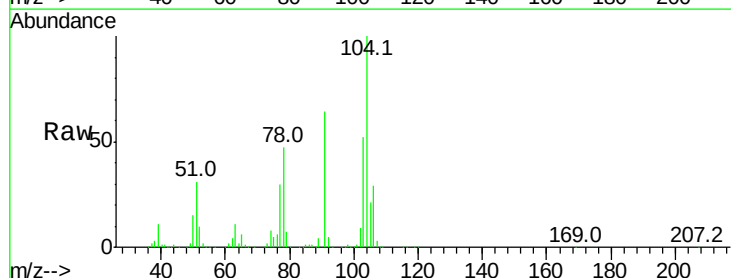
Acq: 27 Jan 2020 10:24

Tgt Ion:104 Resp: 195586

Ion Ratio Lower Upper

104 100

78 46.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

100000

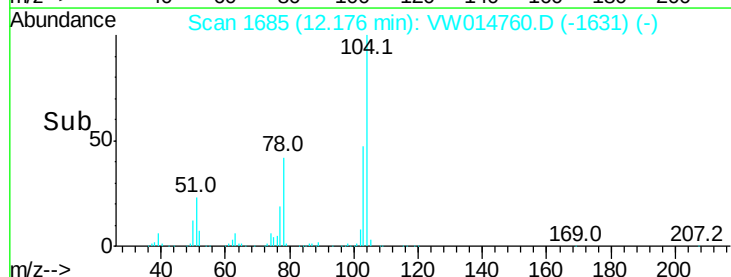
50000

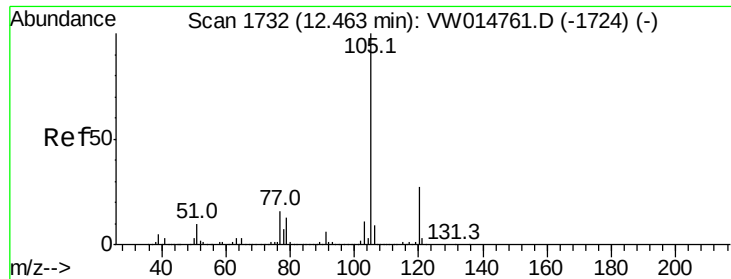
0

12.18

Time-->

12.10 12.15 12.20 12.25





#57

Isopropylbenzene

Concen: 5.045 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

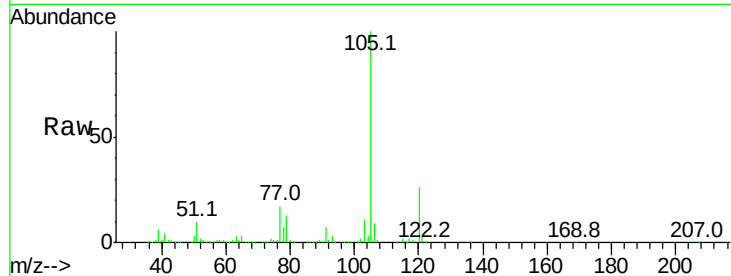
Tgt Ion:105 Resp: 309372

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

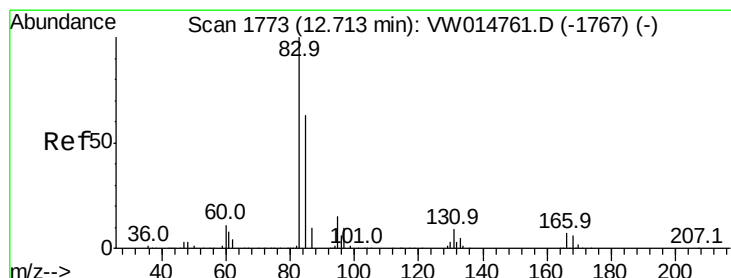
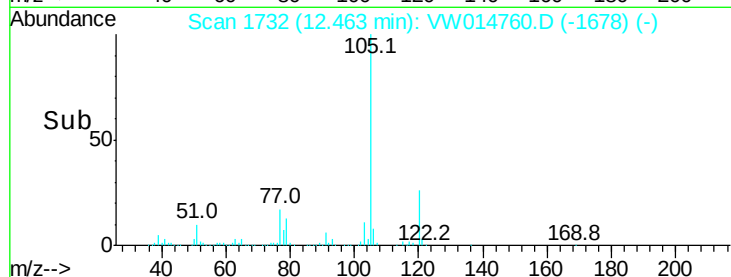
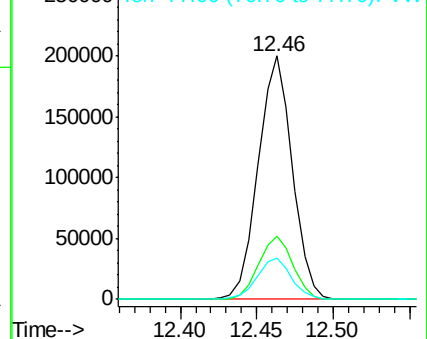
77 17.0 13.0 19.4



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: 5.441 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

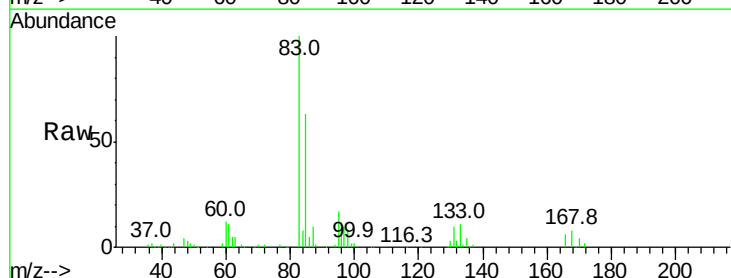
Tgt Ion: 83 Resp: 66482

Ion Ratio Lower Upper

83 100

85 63.0 45.0 83.6

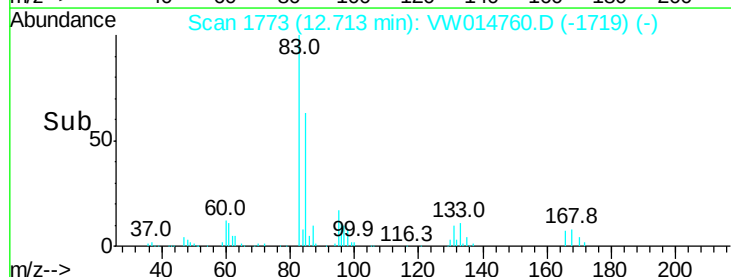
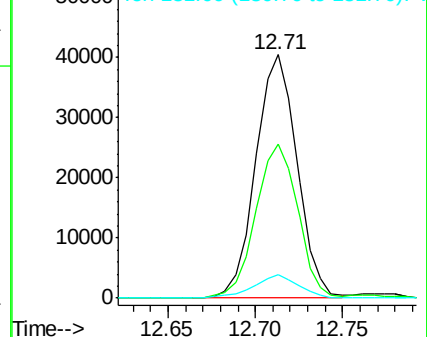
131 9.5 7.6 11.4

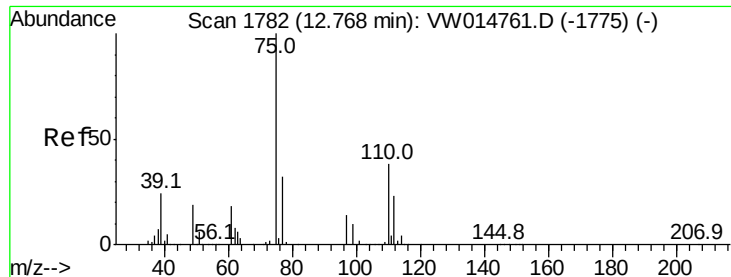


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

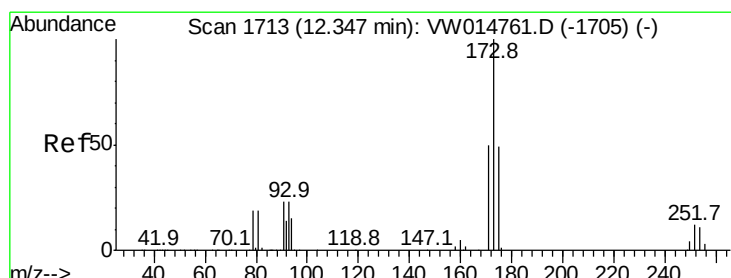
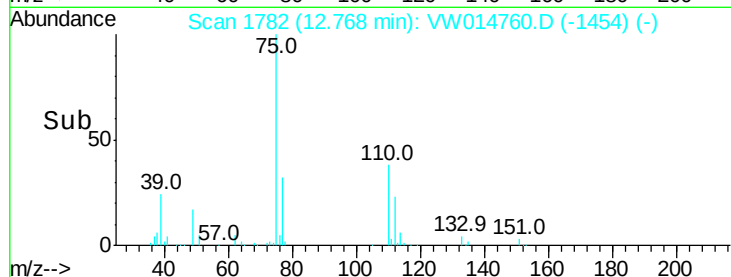
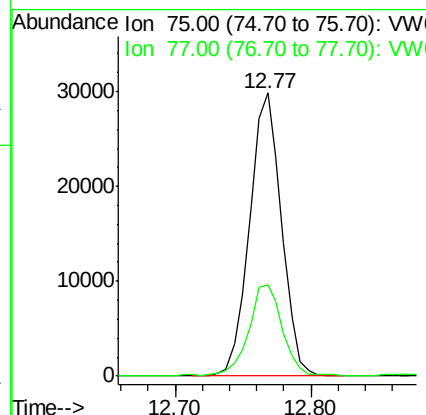
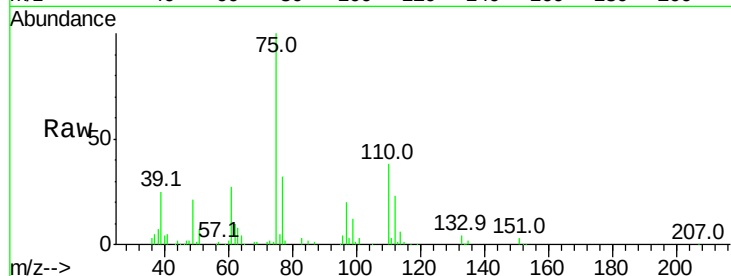




#59
 1,2,3-Trichloropropane
 Concen: 5.362 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

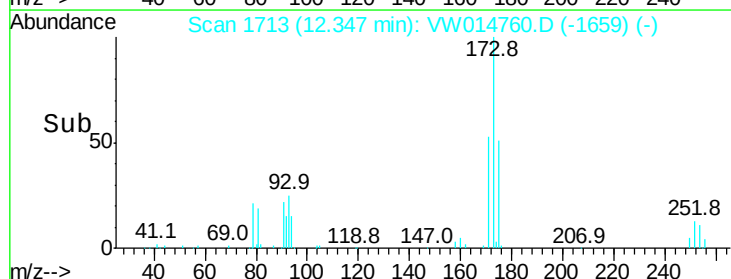
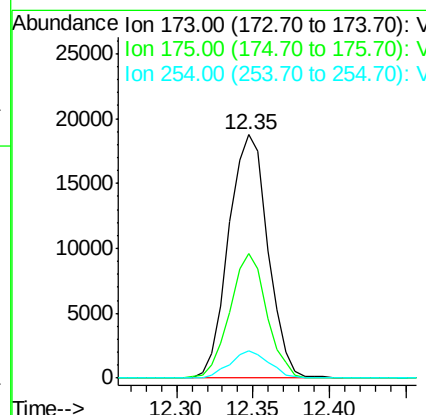
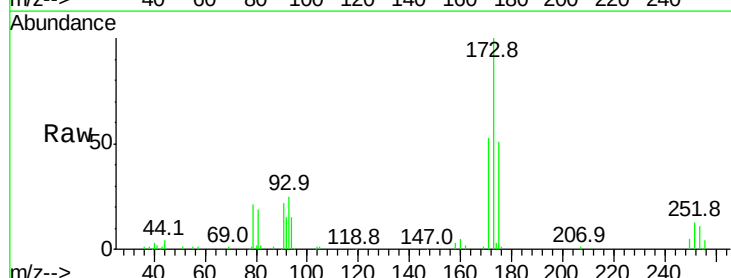
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

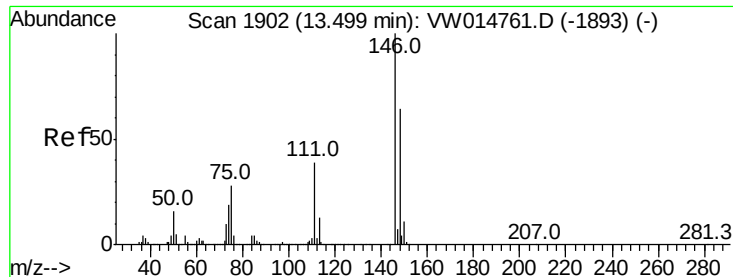
Tgt Ion: 75 Resp: 49078
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.8 38.8



#62
 Bromoform
 Concen: 5.066 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

Tgt Ion: 173 Resp: 33348
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.8 59.8
 254 11.1 8.9 13.3





#63

1,3-Dichlorobenzene

Concen: 5.174 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

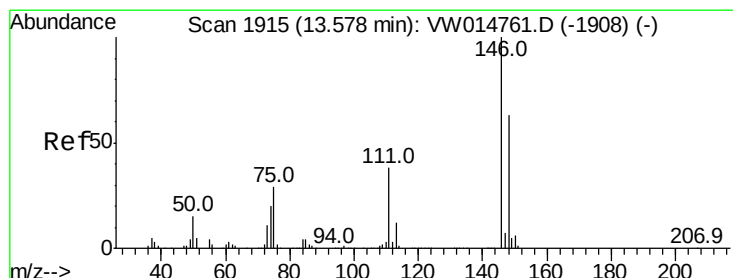
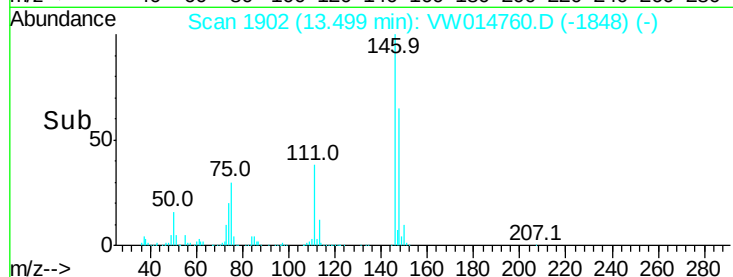
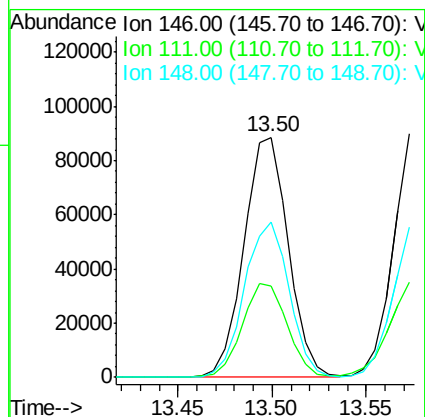
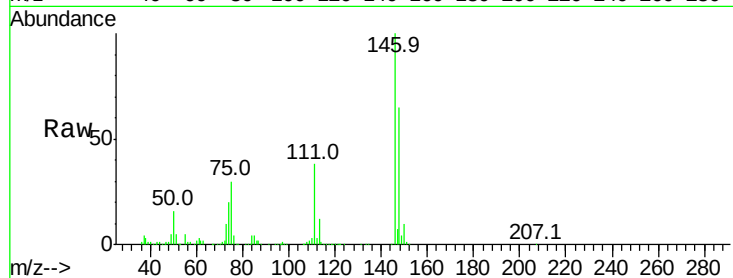
Tgt Ion:146 Resp: 144309

Ion Ratio Lower Upper

146 100

111 38.0 27.1 50.3

148 64.9 44.5 82.7



#64

1,4-Dichlorobenzene

Concen: 5.285 ug/L

RT: 13.57 min Scan# 1914

Delta R.T. -0.01 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

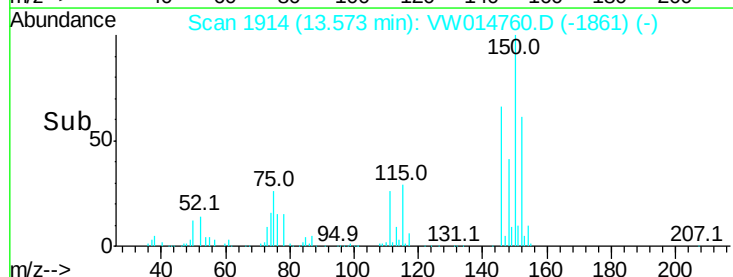
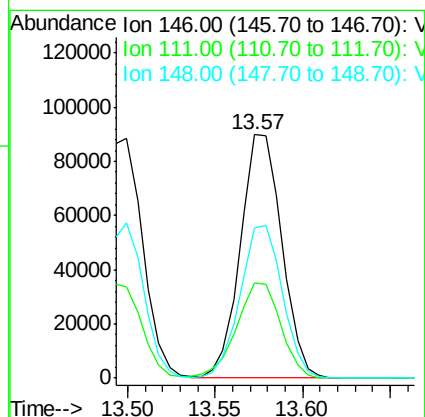
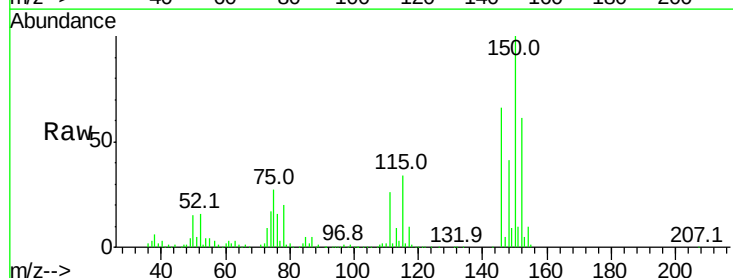
Tgt Ion:146 Resp: 148644

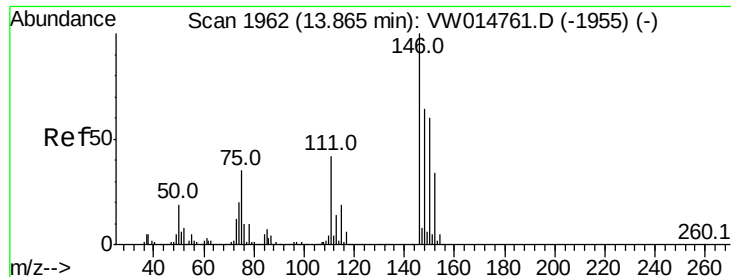
Ion Ratio Lower Upper

146 100

111 38.9 26.4 49.0

148 61.6 43.9 81.5

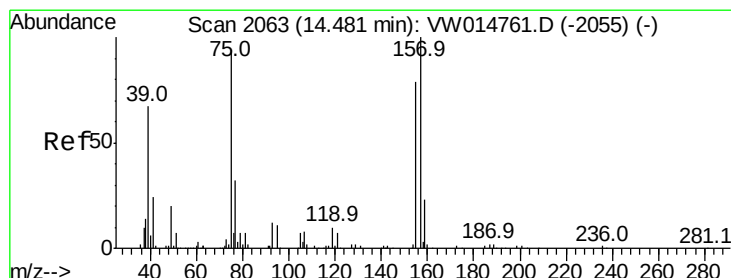
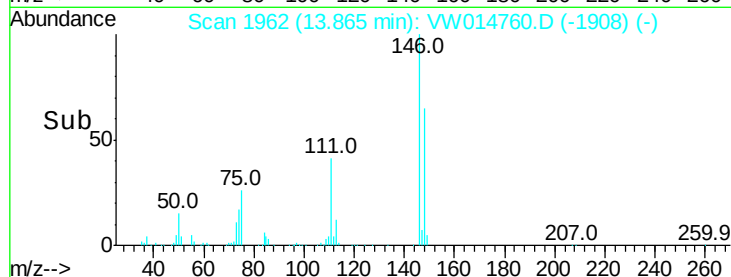
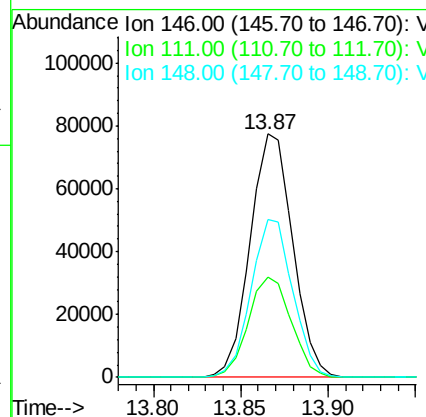
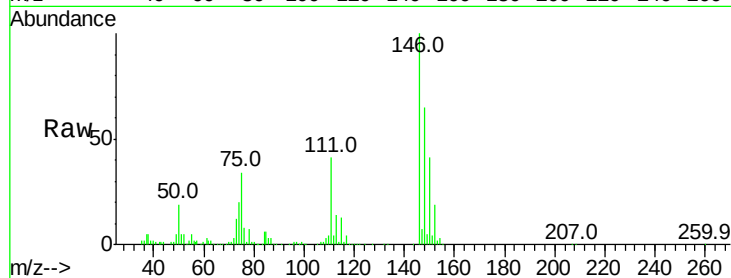




#65
 1,2-Dichlorobenzene
 Concen: 5.256 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

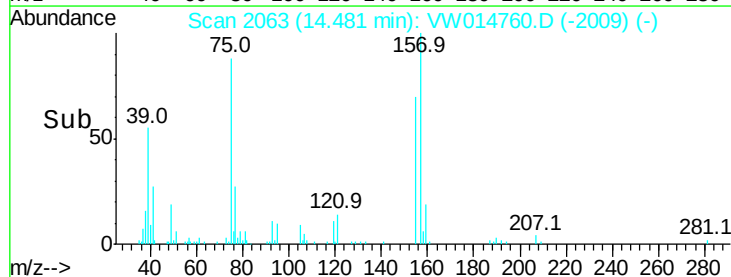
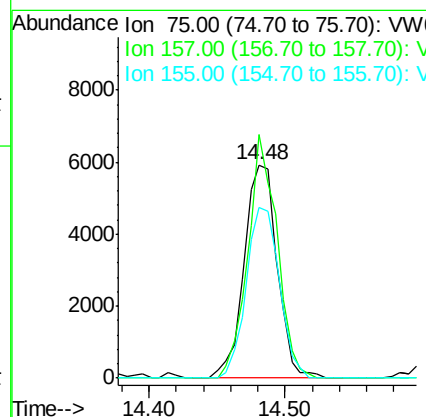
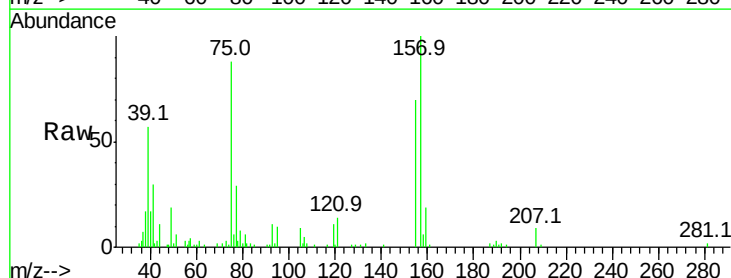
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

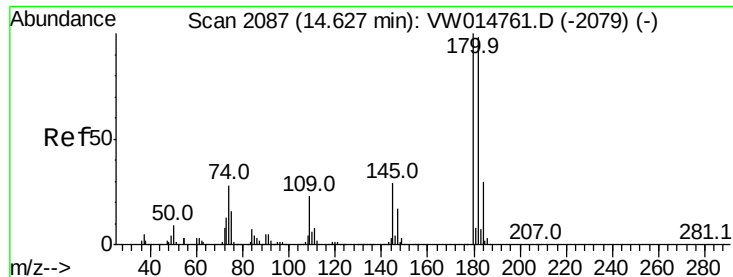
Tgt Ion:146 Resp: 131408
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.4 50.2
 148 64.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.436 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

Tgt Ion: 75 Resp: 10065
 Ion Ratio Lower Upper
 75 100
 157 114.1 84.9 127.3
 155 79.8 67.1 100.7

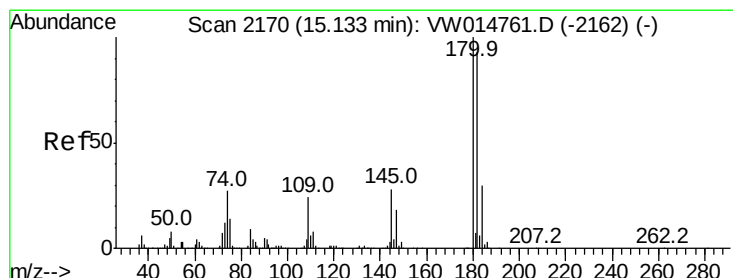
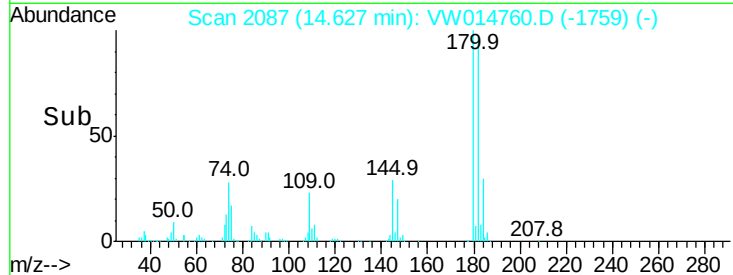
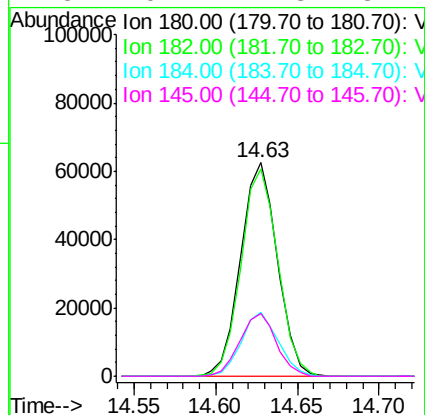
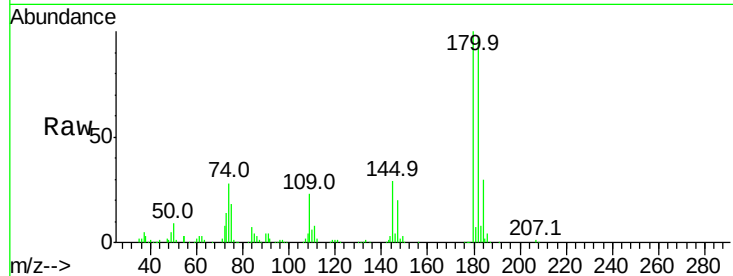




#67
 1,3,5-Trichlorobenzene
 Concen: 4.748 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

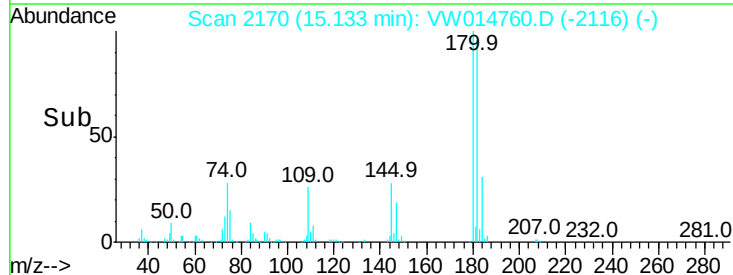
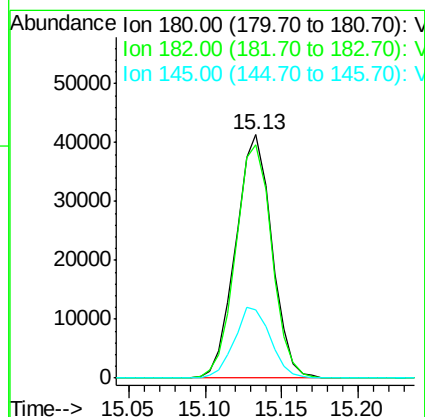
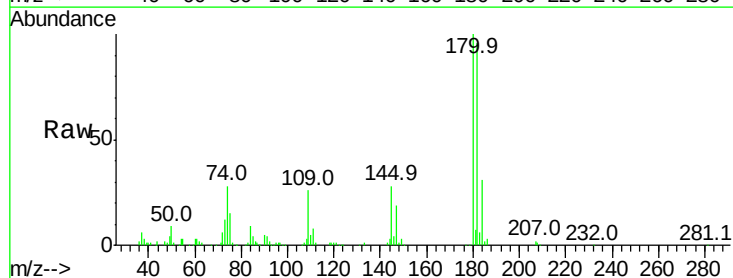
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

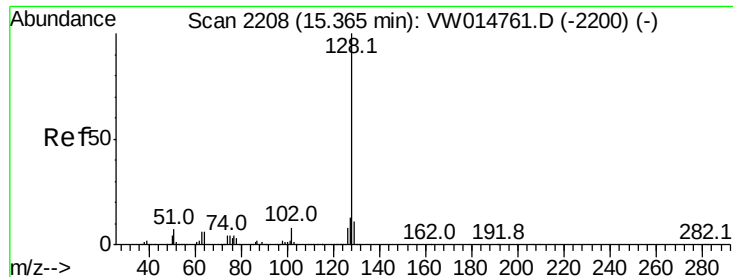
Tgt Ion:	180	Resp:	98105
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
184	29.9	24.2	36.4
145	29.2	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.383 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014760.D
 Acq: 27 Jan 2020 10:24

Tgt Ion:	180	Resp:	67884
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.2	115.8
145	29.1	23.3	34.9





#69

Naphthalene

Concen: 4.155 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

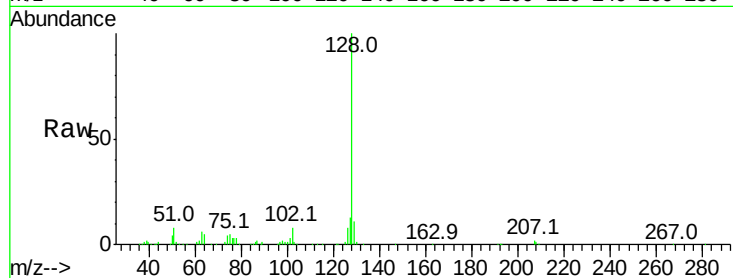
Tgt Ion:128 Resp: 111091

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

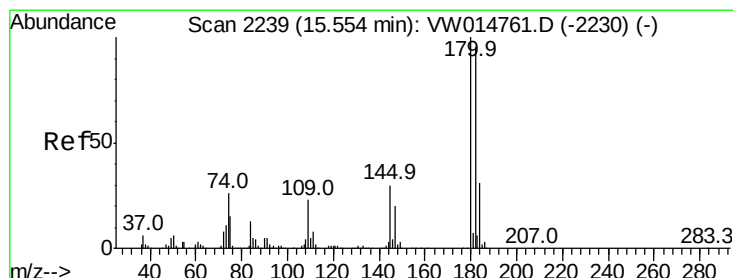
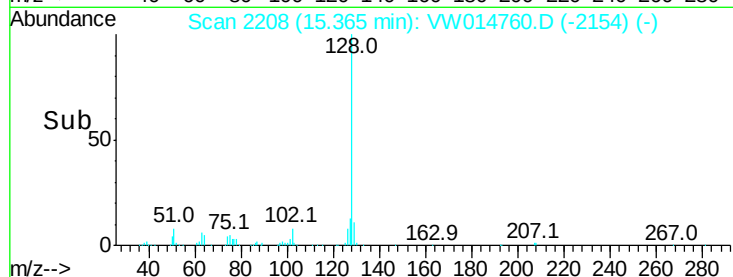
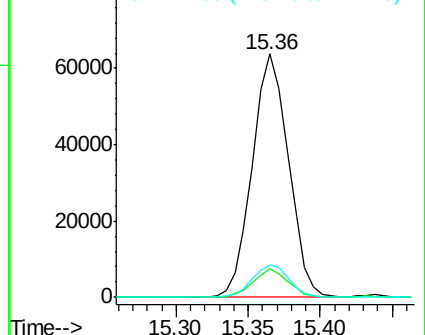
127 13.6 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.596 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014760.D

Acq: 27 Jan 2020 10:24

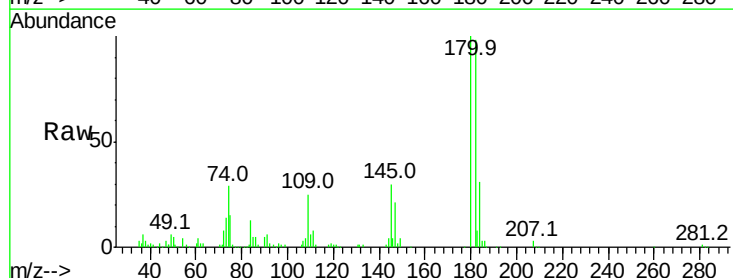
Tgt Ion:180 Resp: 64505

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 30.7 24.3 36.5



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

