

Data File : VW014475.D
Acq On : 27 Dec 2019 18:35
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

Quant Time: Dec 27 20:32:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 20:30:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1093498	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	986546	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	465716	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	43691	2.64	ug/L	0.00
7) Chloroethane-d5	2.89	69	27878	2.26	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	73441	2.51	ug/L	0.00
20) 2-Butanone-d5	7.27	46	234	0.05	ug/L	0.20
24) Chloroform-d	7.65	84	59435	2.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	31793	2.18	ug/L	0.00
29) Benzene-d6	8.27	84	121559	2.10	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	36223	2.04	ug/L	0.00
37) Toluene-d8	10.32	98	108948	2.08	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13312	1.78	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	10197	2.88	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27530	1.90	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	35452	1.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	25119	2.415 ug/L	90
3) Chloromethane	2.21	50	34901	3.338 ug/L	95
5) Vinyl chloride	2.36	62	43886	2.835 ug/L	98
6) Bromomethane	2.78	94	25603	2.681 ug/L	99
8) Chloroethane	2.92	64	23558	2.664 ug/L	92
9) Trichlorofluoromethane	3.25	101	21171	2.762 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	40156	2.784 ug/L #	83
12) 1,1-Dichloroethene	4.04	96	36094	2.472 ug/L	83
13) Acetone	4.12	43	40850	9.819 ug/L	99
14) Carbon disulfide	4.38	76	115376	2.576 ug/L	99
15) Methyl Acetate	4.67	43	17052	2.167 ug/L	93
16) Methylene chloride	4.92	84	64703	3.860 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	46935	2.437 ug/L #	82
18) trans-1,2-Dichloroethene	5.42	96	39274	2.511 ug/L	97
19) 1,1-Dichloroethane	6.21	63	70656	2.515 ug/L	96
21) 2-Butanone	7.17	43	32147	5.755 ug/L #	72
22) cis-1,2-Dichloroethene	7.17	96	40066	2.408 ug/L	95
23) Bromochloromethane	7.51	128	17457	2.281 ug/L	93
25) Chloroform	7.67	83	67304	2.465 ug/L	98
27) 1,2-Dichloroethane	8.40	62	45608	2.551 ug/L	99
30) Cyclohexane	7.95	56	61482	2.497 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	54244	2.738 ug/L	99
32) Carbon tetrachloride	8.07	117	49579	2.637 ug/L	100
34) Benzene	8.32	78	154353	2.471 ug/L	100
35) Trichloroethene	9.09	95	40637	2.543 ug/L	98
36) Methylcyclohexane	9.34	83	67200	2.502 ug/L	97
40) 1,2-Dichloropropane	9.37	63	39883	2.485 ug/L #	95
41) Bromodichloromethane	9.64	83	46554	2.387 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	53074	2.208 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	52605	4.971 ug/L	95

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

Quant Time: Dec 27 20:32:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 20:30:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	156139	2.384	ug/L	94
45) trans-1,3-Dichloropropene	10.60	75	43307	2.226	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	27885	2.319	ug/L	97
47) Tetrachloroethene	10.86	164	34710	2.606	ug/L	96
49) 2-Hexanone	10.97	43	30650	4.068	ug/L	97
50) Dibromochloromethane	11.13	129	29828	2.210	ug/L	88
51) 1,2-Dibromoethane	11.23	107	25767	2.262	ug/L	98
52) Chlorobenzene	11.65	112	103230	2.439	ug/L	98
53) Ethylbenzene	11.73	91	172773	2.431	ug/L	98
54) m,p-Xylene	11.84	106	63300	2.316	ug/L	98
55) o-xylene	12.16	106	59073	2.278	ug/L	94
56) Styrene	12.18	104	96354	2.172	ug/L	100
57) Isopropylbenzene	12.46	105	154551	2.296	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	35392	2.371	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	27007	2.435	ug/L	99
62) Bromoform	12.35	173	17930	2.268	ug/L #	96
63) 1,3-Dichlorobenzene	13.49	146	77278	2.469	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	80164	2.521	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	68339	2.348	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	5296	2.358	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	55188	2.451	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	36306	2.068	ug/L	100
69) Naphthalene	15.36	128	53409	1.618	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	33811	2.054	ug/L	99

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

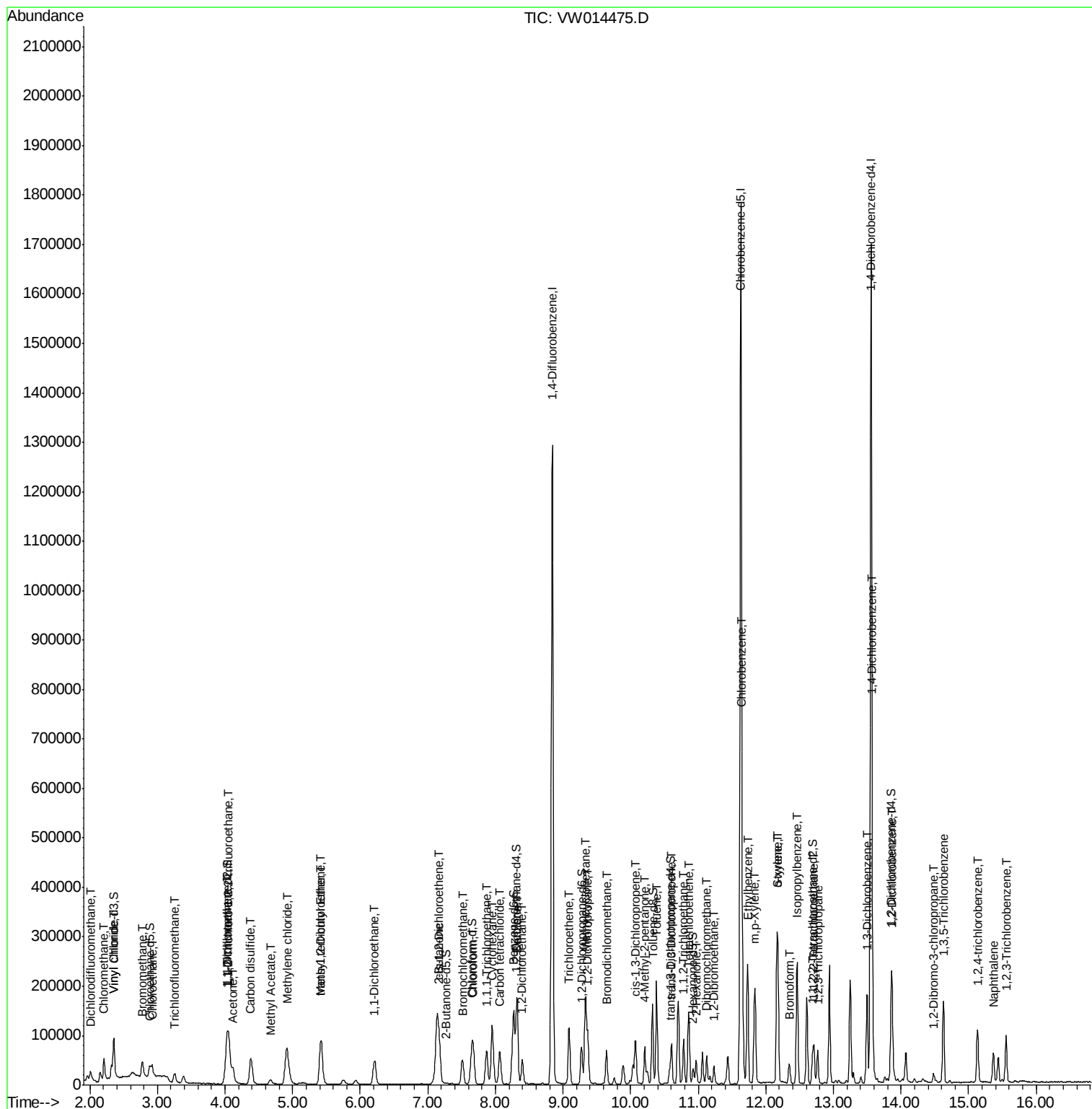
Quant Time: Dec 27 20:32:29 2019

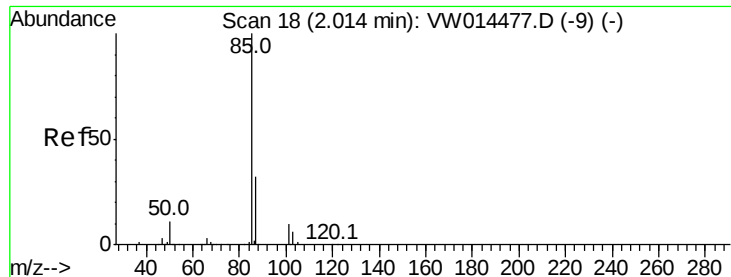
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 27 20:30:18 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.415 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampled :

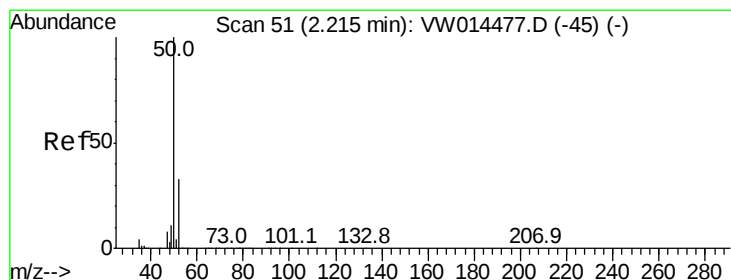
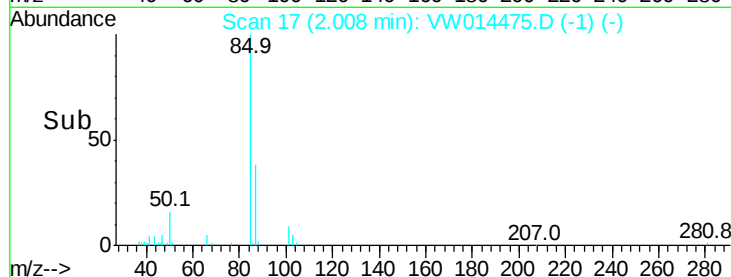
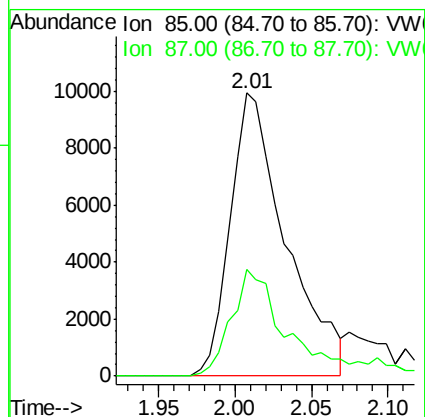
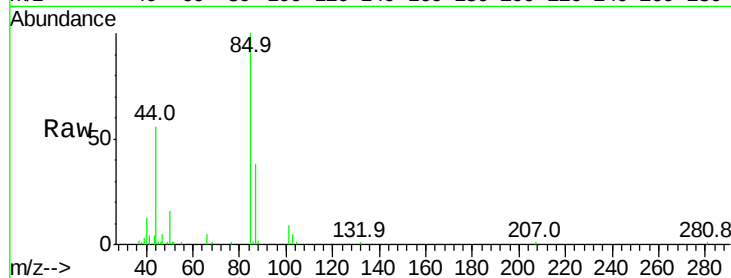
VSTD2.502

Tgt Ion: 85 Resp: 25119

Ion Ratio Lower Upper

85 100

87 36.3 21.5 39.9



#3

Chloromethane

Concen: 3.338 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014475.D

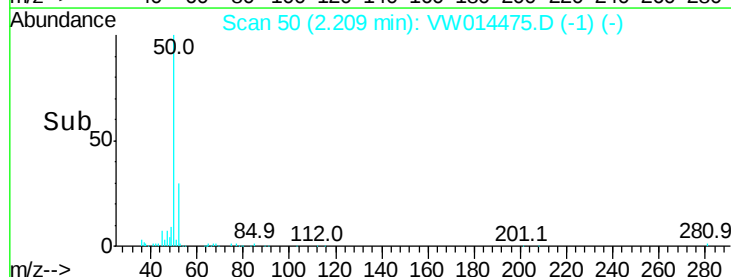
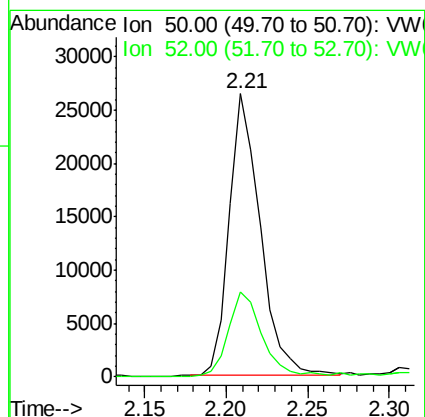
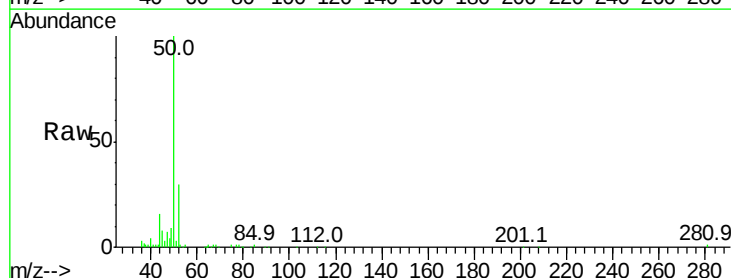
Acq: 27 Dec 2019 18:35

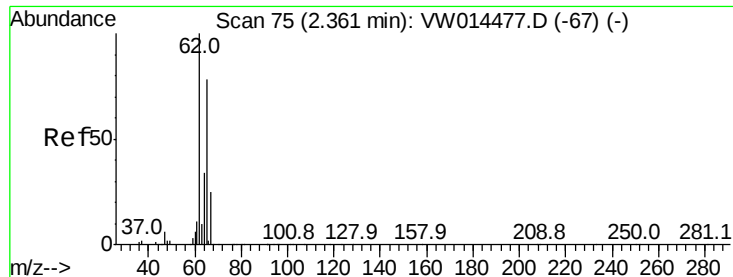
Tgt Ion: 50 Resp: 34901

Ion Ratio Lower Upper

50 100

52 30.0 23.0 42.8





#5

Vinyl chloride

Concen: 2.835 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

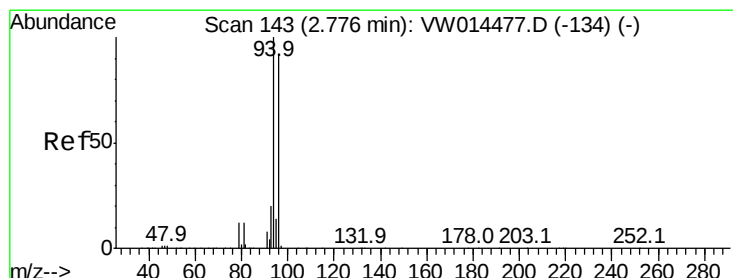
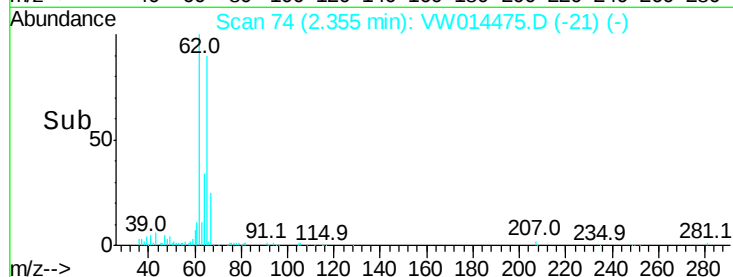
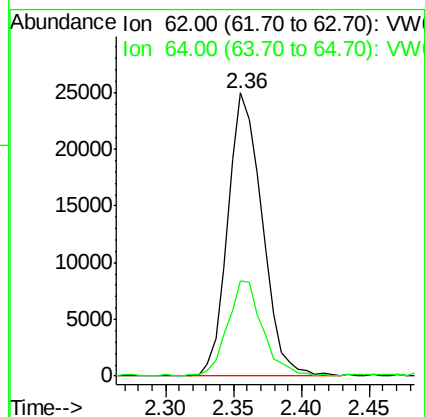
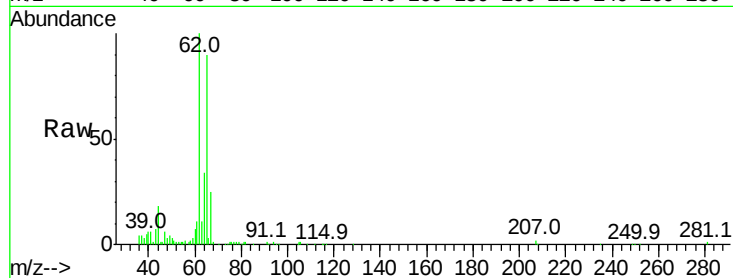
VSTD2.502

Tgt Ion: 62 Resp: 43886

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.8



#6

Bromomethane

Concen: 2.681 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014475.D

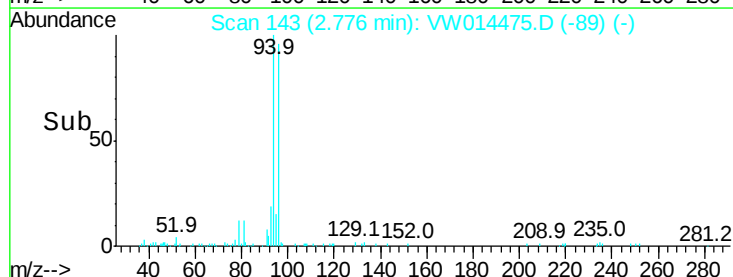
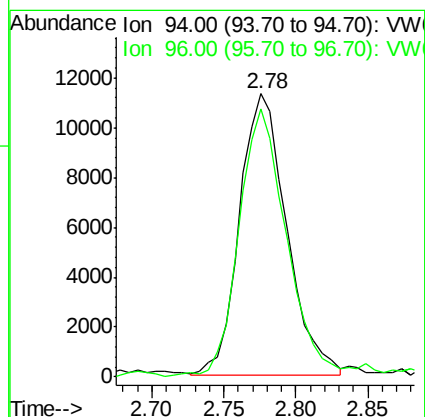
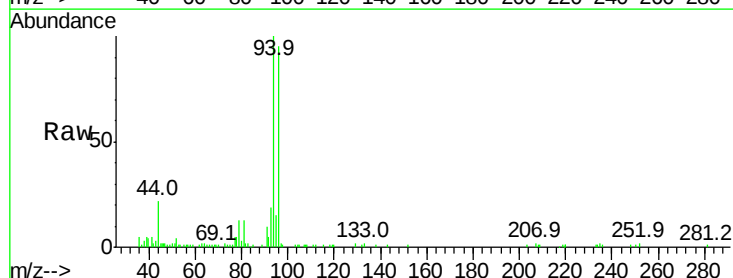
Acq: 27 Dec 2019 18:35

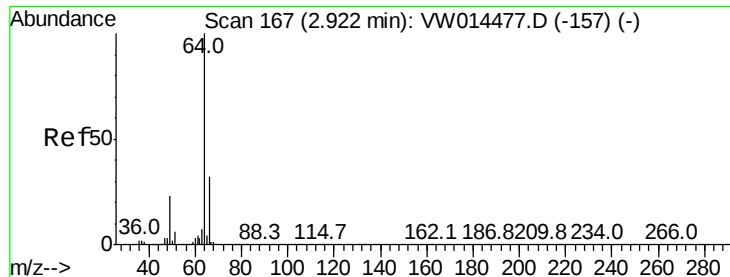
Tgt Ion: 94 Resp: 25603

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.8





#8

Chloroethane

Concen: 2.664 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

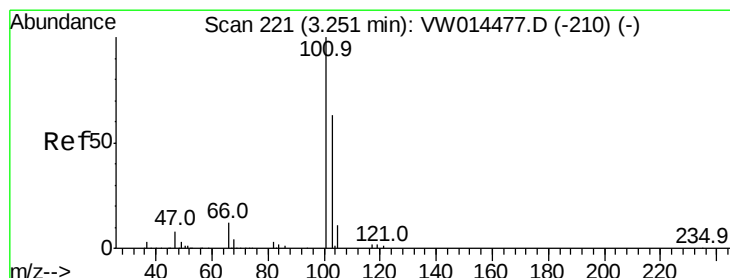
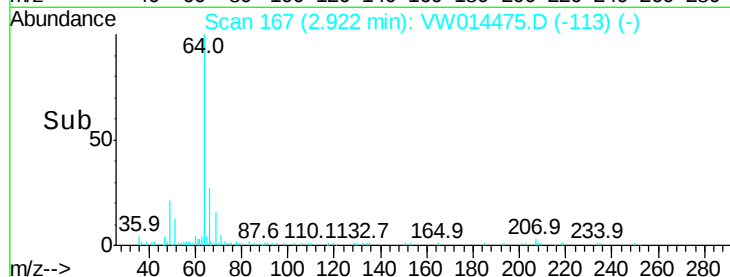
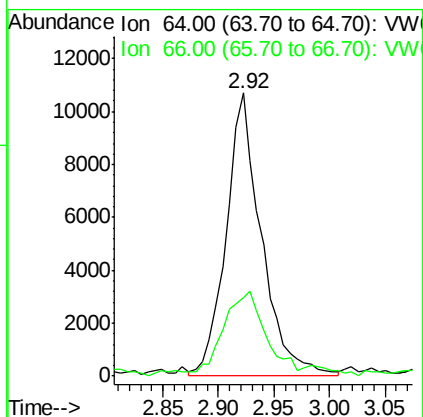
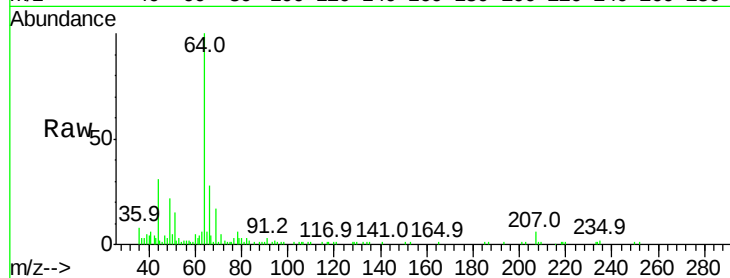
VSTD2.502

Tgt Ion: 64 Resp: 23558

Ion Ratio Lower Upper

64 100

66 27.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 2.762 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW014475.D

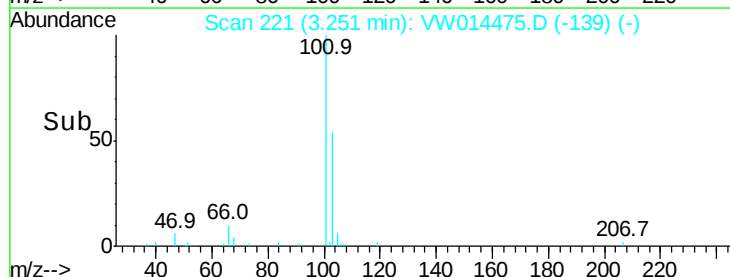
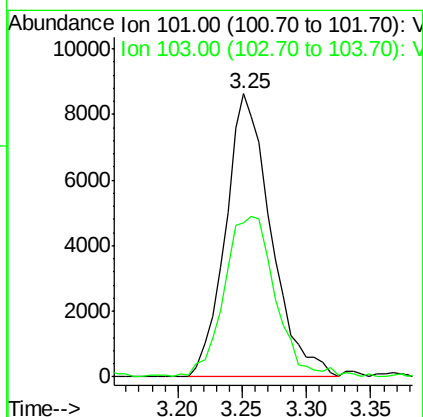
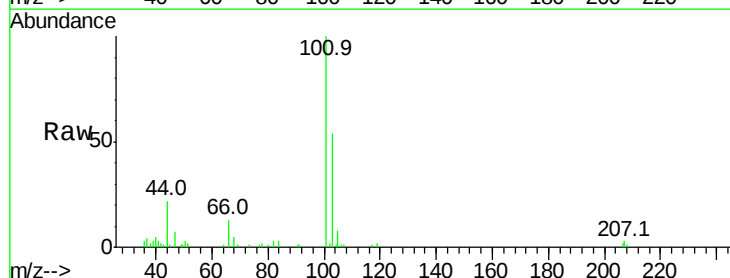
Acq: 27 Dec 2019 18:35

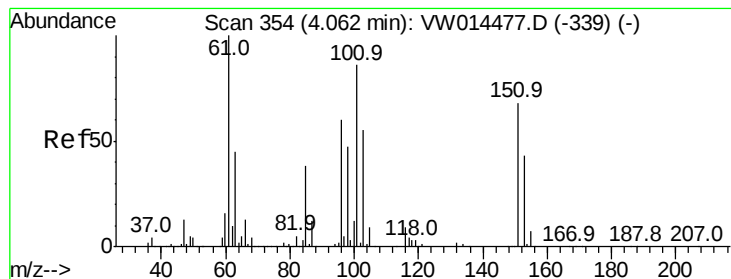
Tgt Ion: 101 Resp: 21171

Ion Ratio Lower Upper

101 100

103 62.9 45.5 84.5





#11

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

Concen: 2.784 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

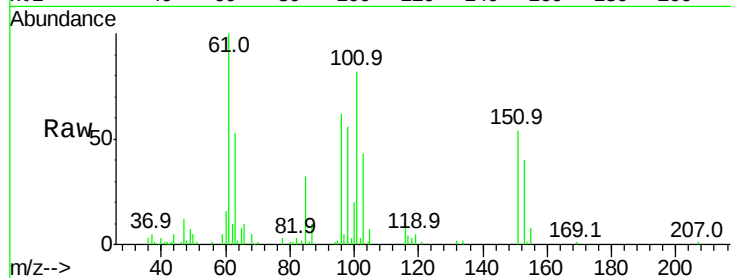
Tgt Ion: 101 Resp: 40156

Ion Ratio Lower Upper

101 100

85 20.6 33.3 49.9#

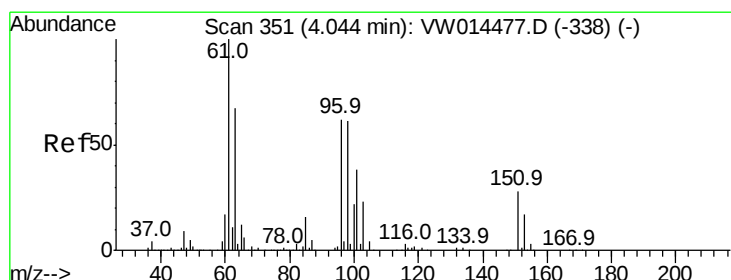
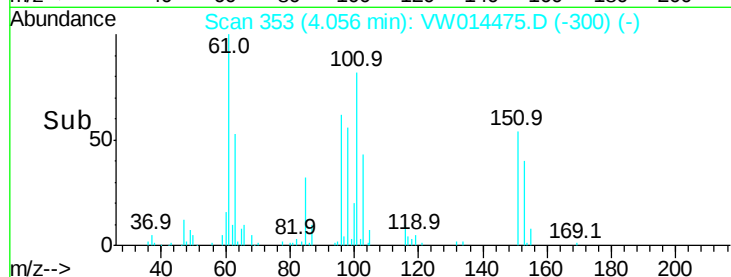
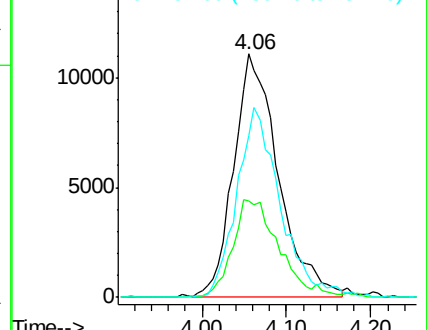
151 71.3 62.5 93.7



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: 2.472 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

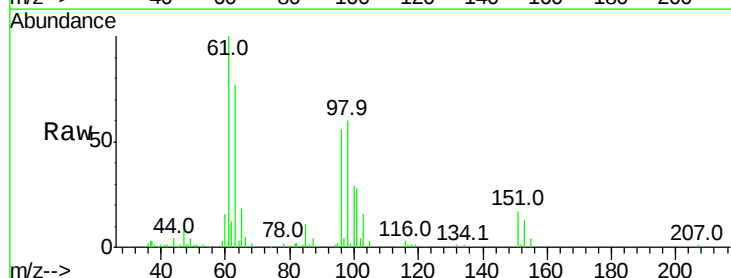
Tgt Ion: 96 Resp: 36094

Ion Ratio Lower Upper

96 100

61 179.4 114.2 212.0

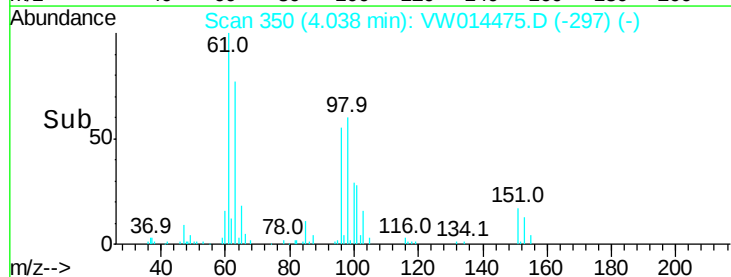
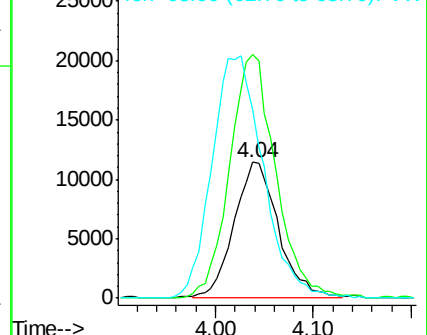
63 138.8 78.6 146.0

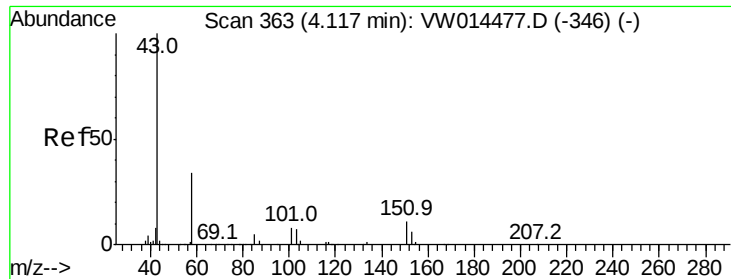


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.819 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

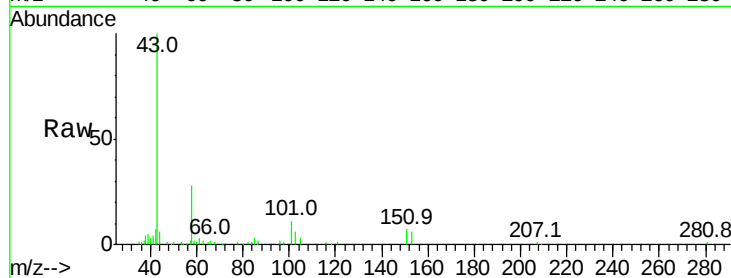
VSTD2.502

Tgt Ion: 43 Resp: 40850

Ion Ratio Lower Upper

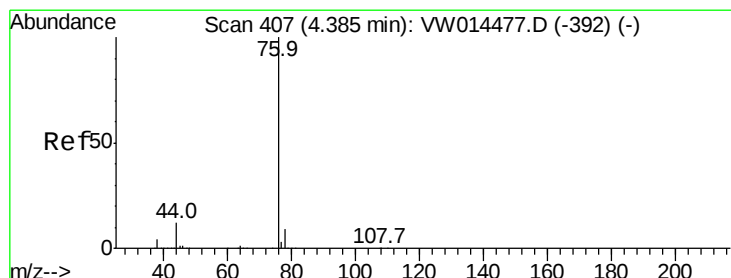
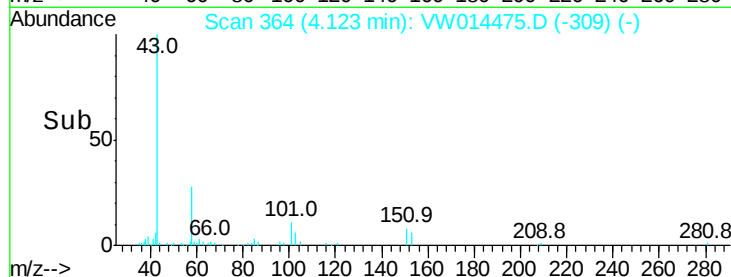
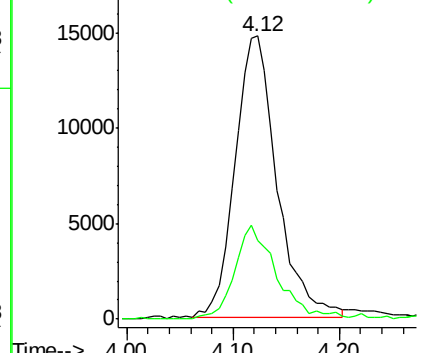
43 100

58 31.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.576 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014475.D

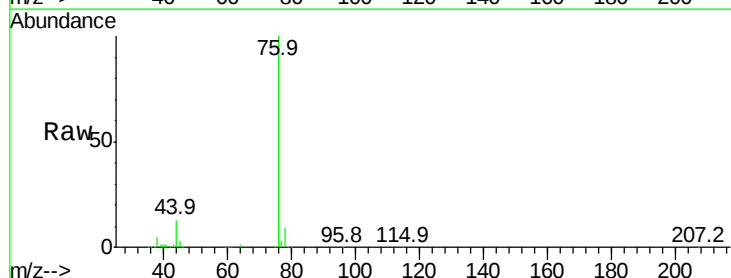
Acq: 27 Dec 2019 18:35

Tgt Ion: 76 Resp: 115376

Ion Ratio Lower Upper

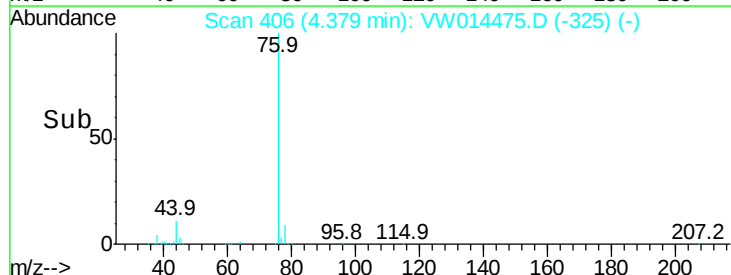
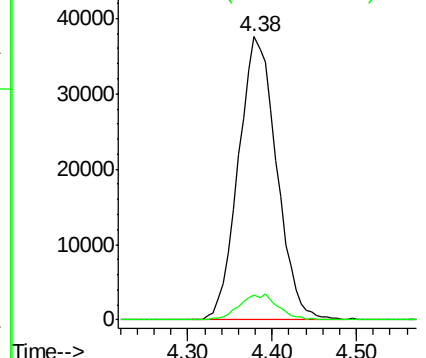
76 100

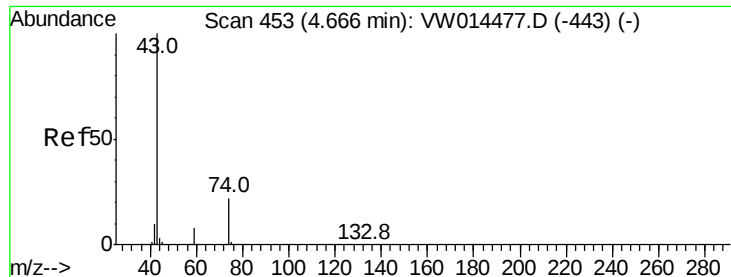
78 8.8 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 2.167 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

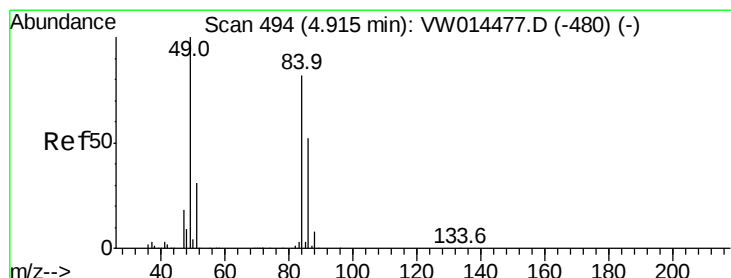
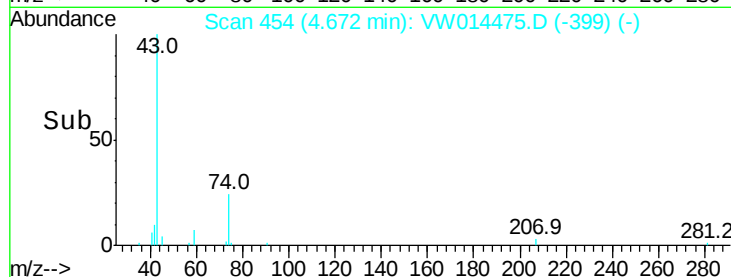
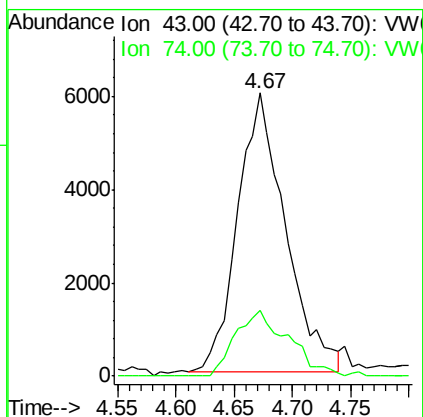
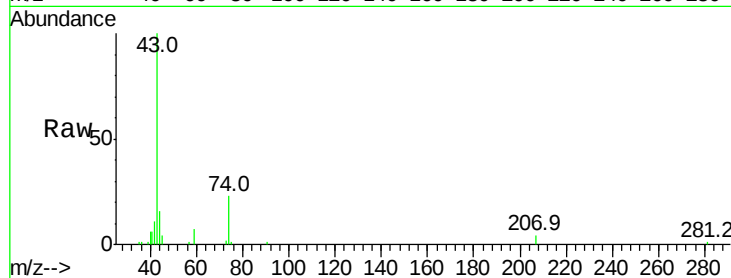
VSTD2.502

Tgt Ion: 43 Resp: 17052

Ion Ratio Lower Upper

43 100

74 19.5 18.3 27.5



#16

Methylene chloride

Concen: 3.860 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

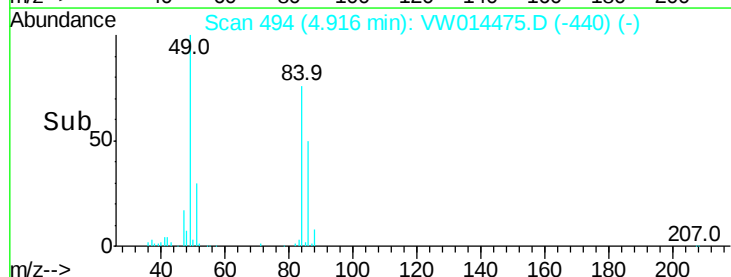
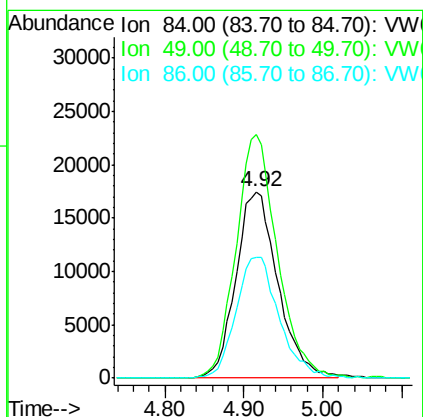
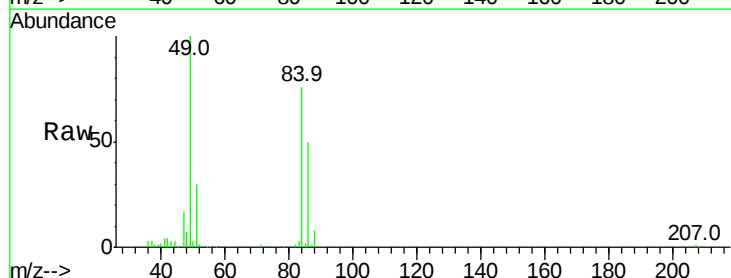
Tgt Ion: 84 Resp: 64703

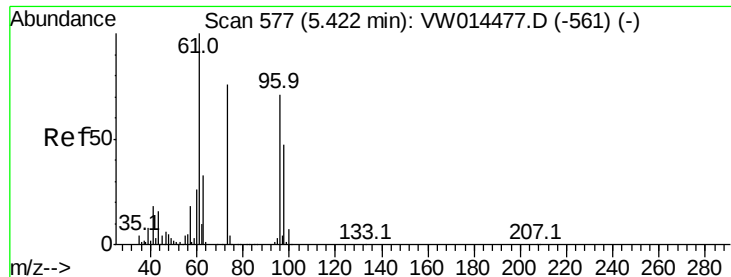
Ion Ratio Lower Upper

84 100

49 130.8 85.8 159.4

86 65.2 44.5 82.7

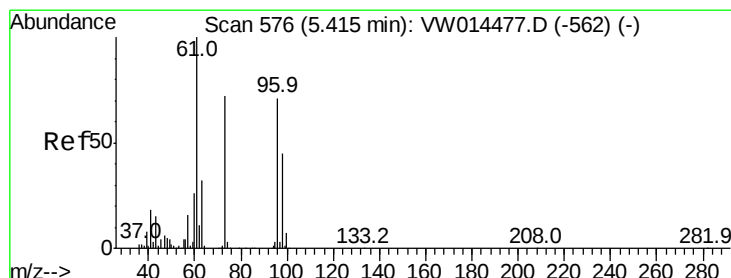
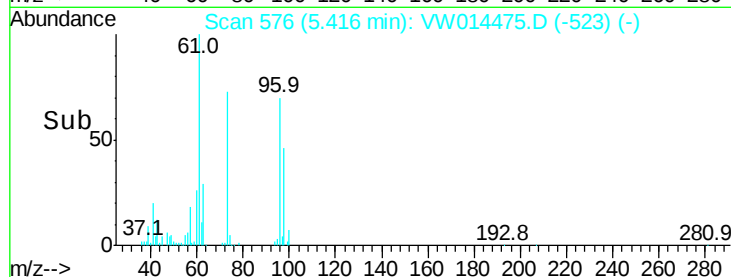
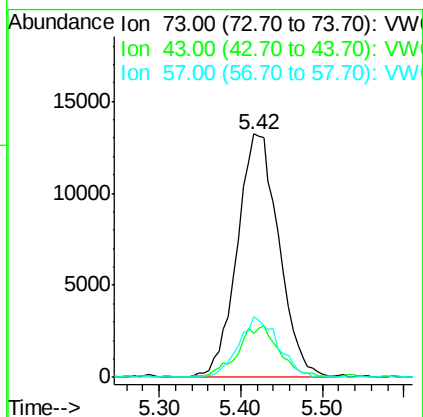
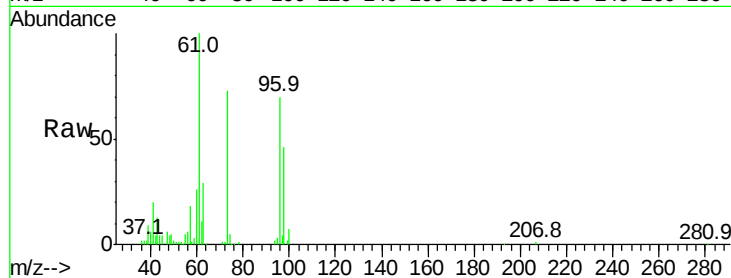




#17
Methyl tert-butyl Ether
Concen: 2.437 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014475.D
Acq: 27 Dec 2019 18:35

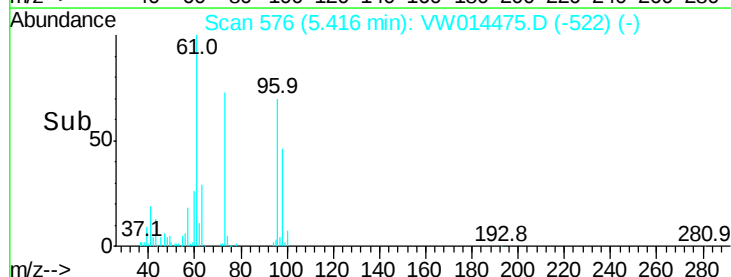
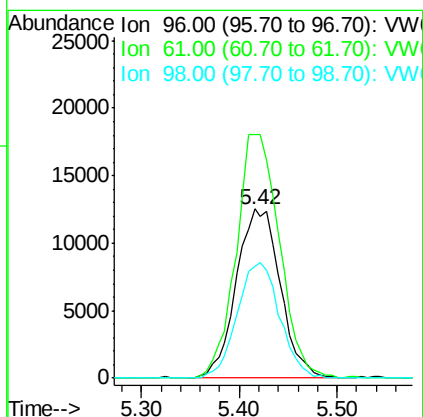
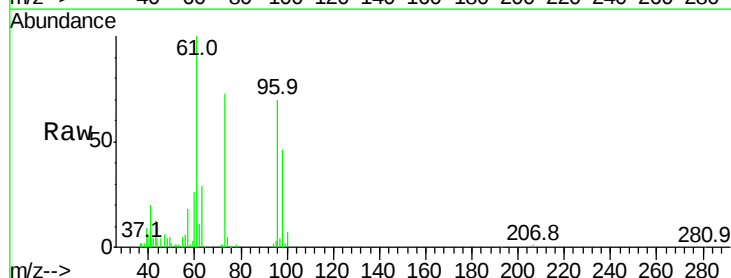
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

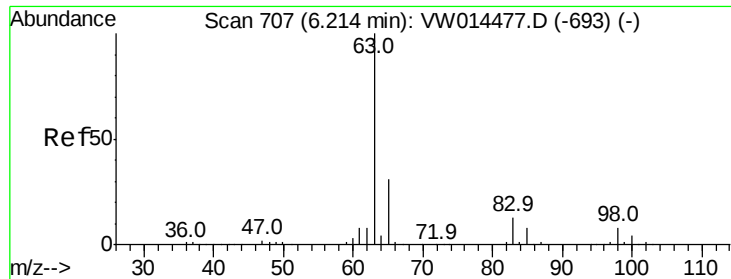
Tgt Ion: 73 Resp: 46935
Ion Ratio Lower Upper
73 100
43 8.6 15.7 23.5#
57 17.0 18.3 27.5#



#18
trans-1,2-Dichloroethene
Concen: 2.511 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014475.D
Acq: 27 Dec 2019 18:35

Tgt Ion: 96 Resp: 39274
Ion Ratio Lower Upper
96 100
61 143.5 98.2 182.4
98 65.7 44.1 81.9





#19

1,1-Dichloroethane

Concen: 2.515 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

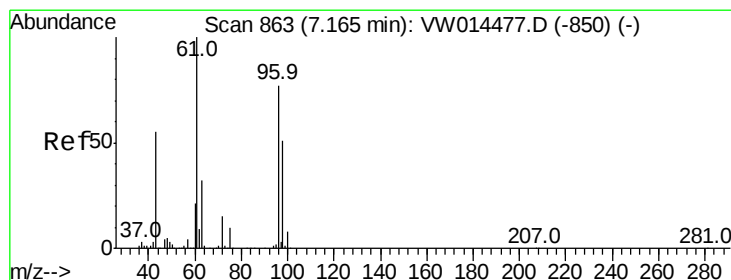
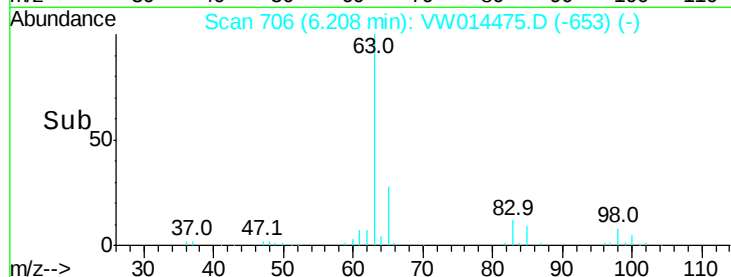
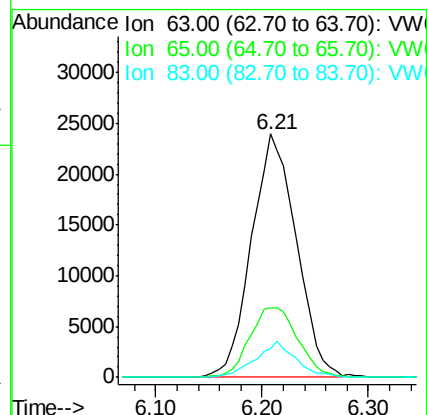
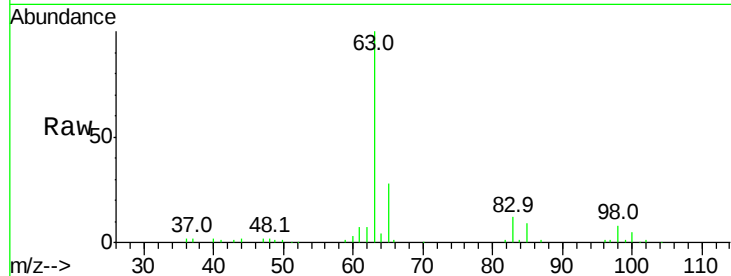
Tgt Ion: 63 Resp: 70656

Ion Ratio Lower Upper

63 100

65 28.4 21.7 40.3

83 11.8 9.0 16.8



#21

2-Butanone

Concen: 5.755 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014475.D

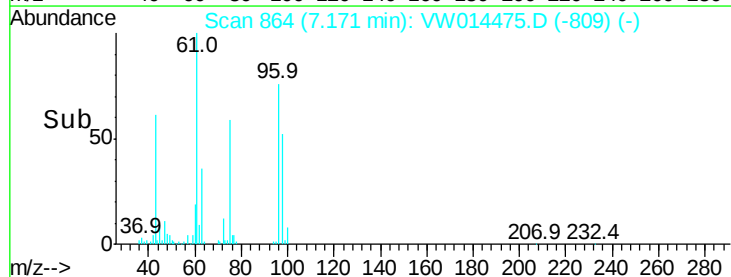
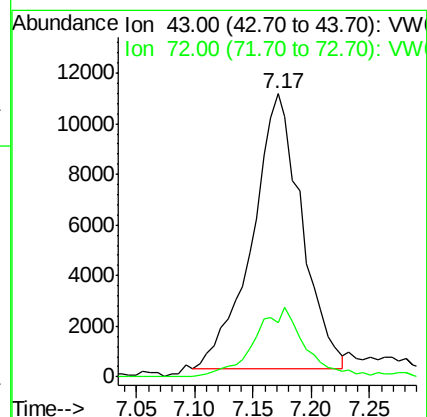
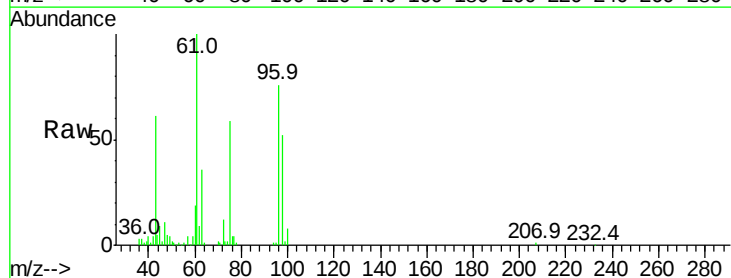
Acq: 27 Dec 2019 18:35

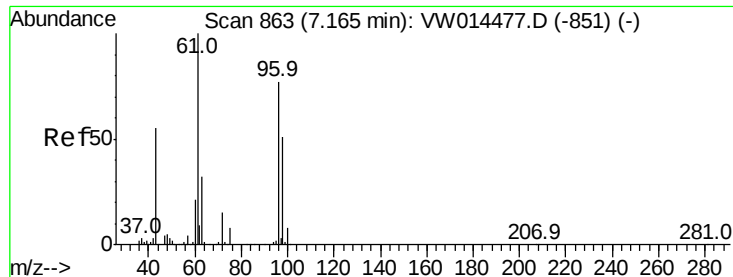
Tgt Ion: 43 Resp: 32147

Ion Ratio Lower Upper

43 100

72 12.0 13.3 39.8#





#22

cis-1,2-Dichloroethene

Concen: 2.408 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampled :

VSTD2.502

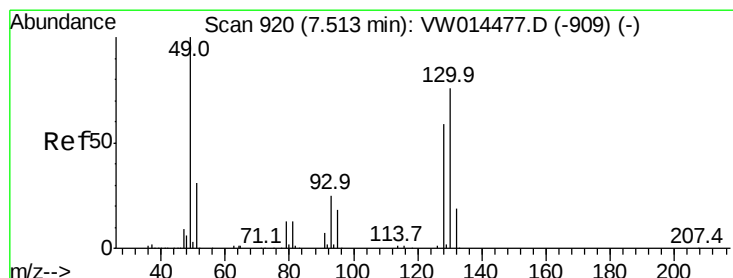
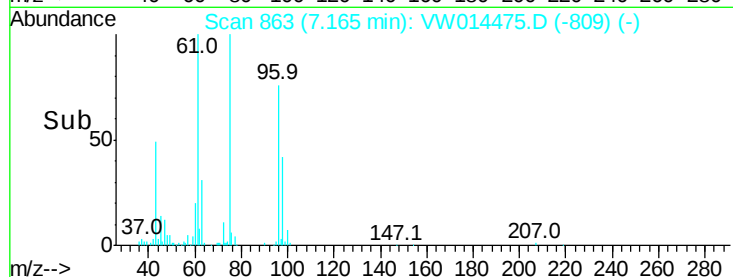
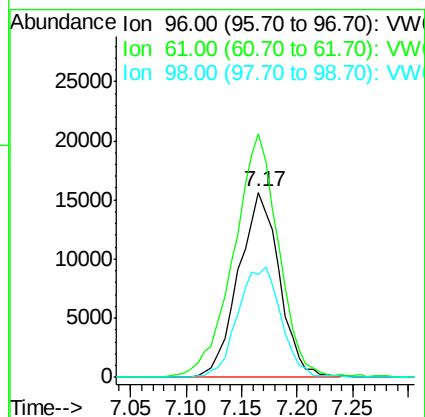
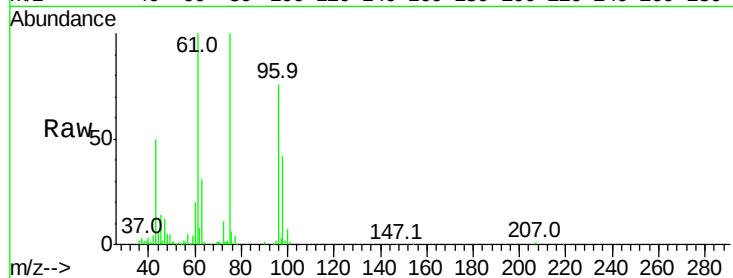
Tgt Ion: 96 Resp: 40066

Ion Ratio Lower Upper

96 100

61 131.6 91.5 169.9

98 55.7 46.9 87.1



#23

Bromochloromethane

Concen: 2.281 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Tgt Ion: 128 Resp: 17457

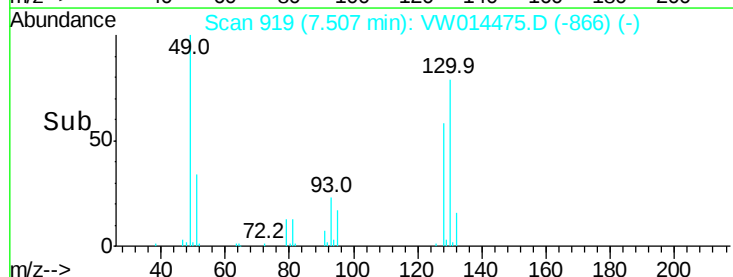
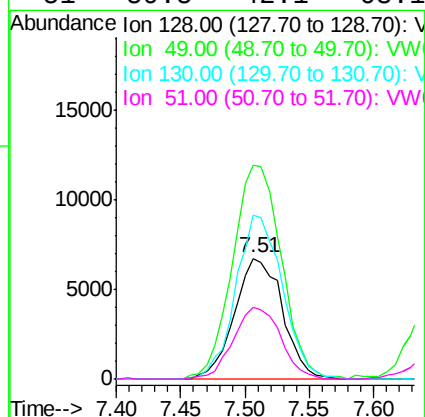
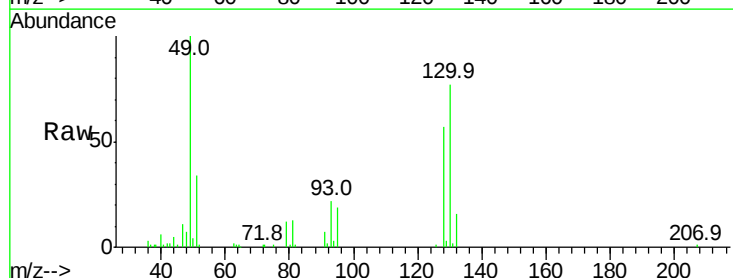
Ion Ratio Lower Upper

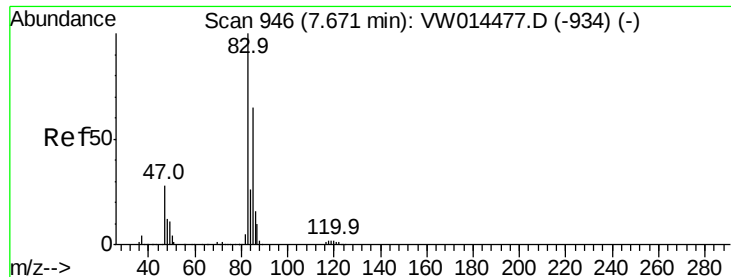
128 100

49 176.9 118.3 219.7

130 136.2 89.5 166.1

51 59.5 42.1 63.1





#25

Chloroform

Concen: 2.465 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

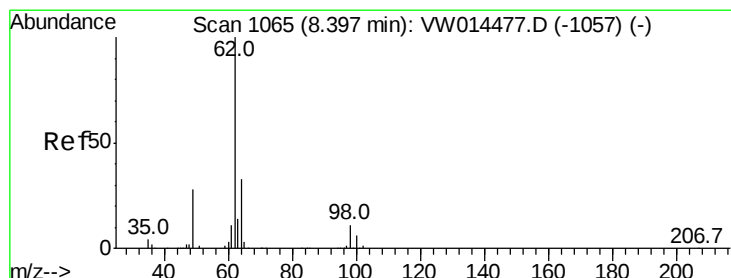
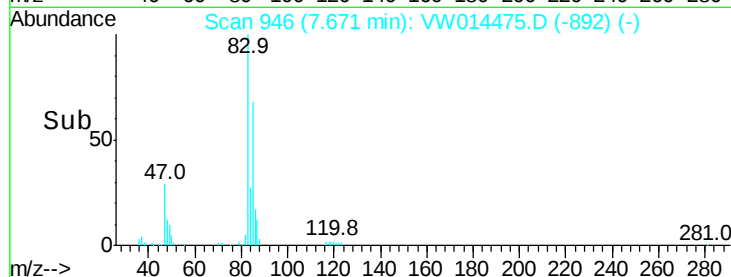
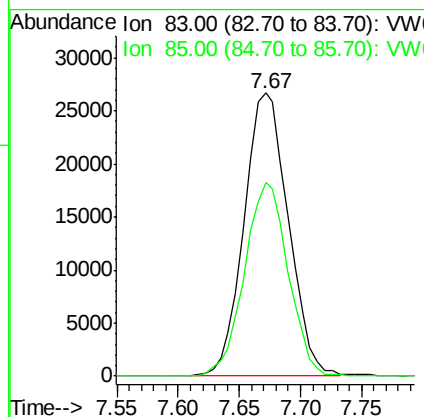
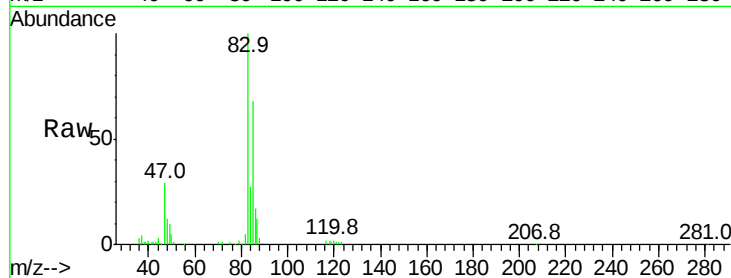
VSTD2.502

Tgt Ion: 83 Resp: 67304

Ion Ratio Lower Upper

83 100

85 67.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 2.551 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014475.D

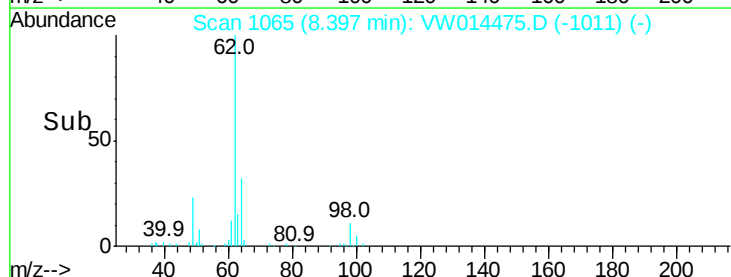
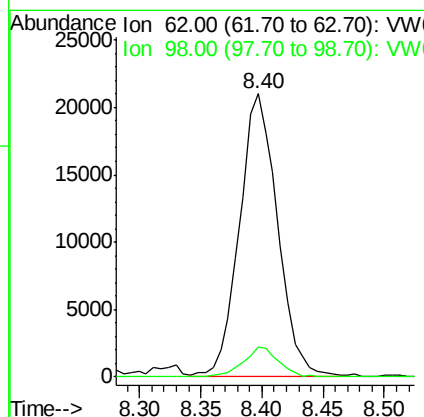
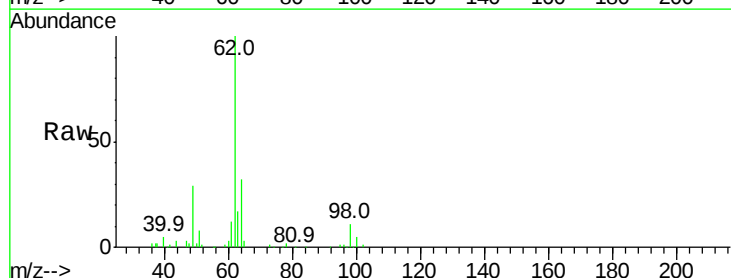
Acq: 27 Dec 2019 18:35

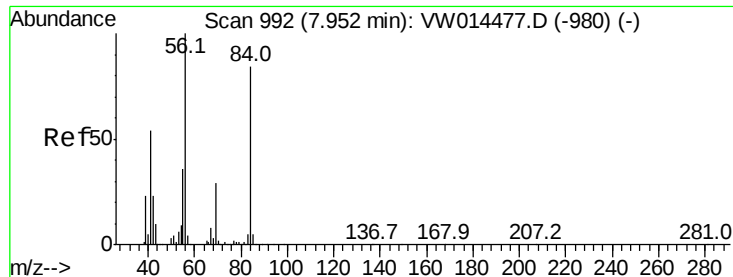
Tgt Ion: 62 Resp: 45608

Ion Ratio Lower Upper

62 100

98 10.7 8.3 12.5

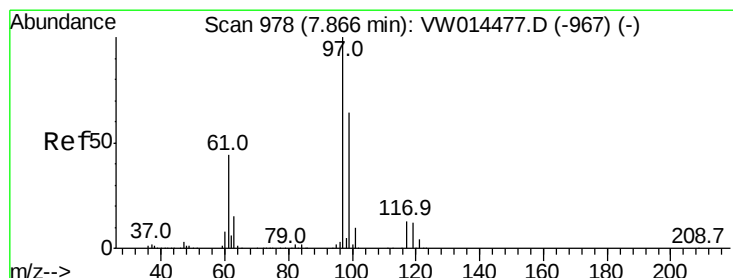
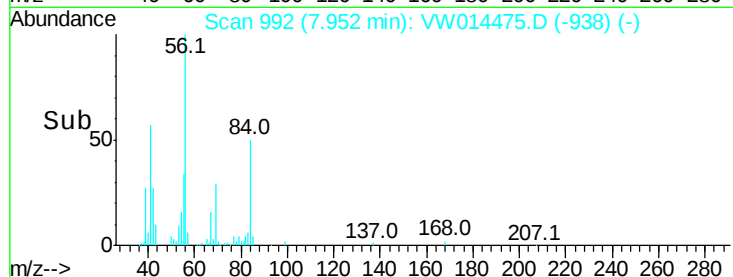
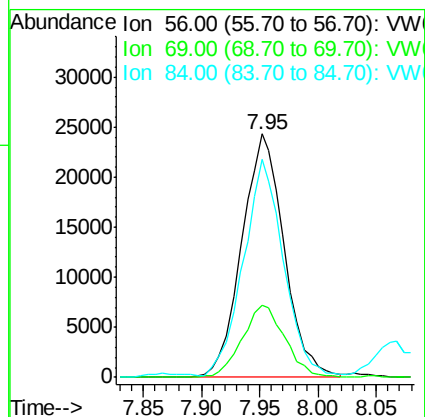
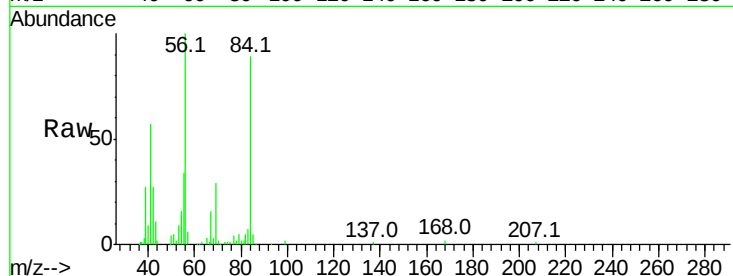




#30
Cyclohexane
Concen: 2.497 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014475.D
Acq: 27 Dec 2019 18:35

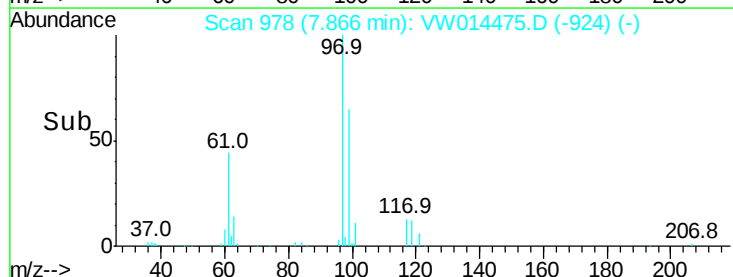
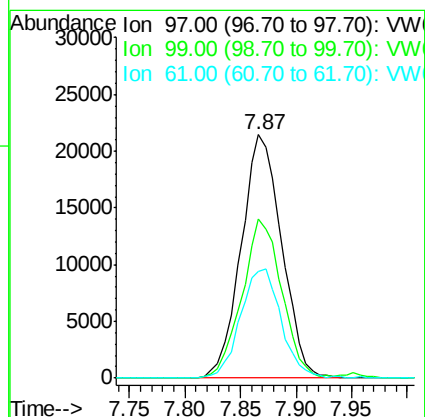
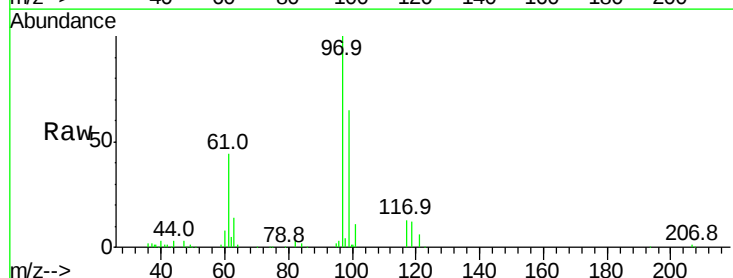
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

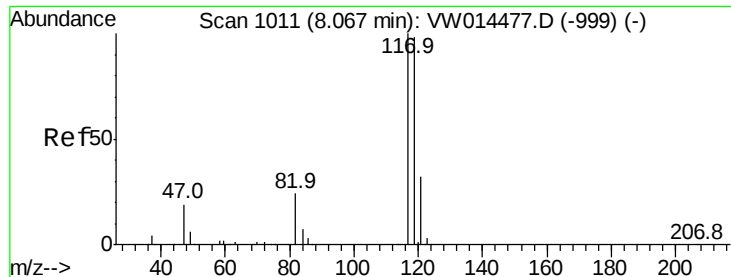
Tgt Ion: 56 Resp: 61482
Ion Ratio Lower Upper
56 100
69 30.0 23.8 35.8
84 85.8 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 2.738 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014475.D
Acq: 27 Dec 2019 18:35

Tgt Ion: 97 Resp: 54244
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 45.0 35.3 52.9





#32

Carbon tetrachloride

Concen: 2.637 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

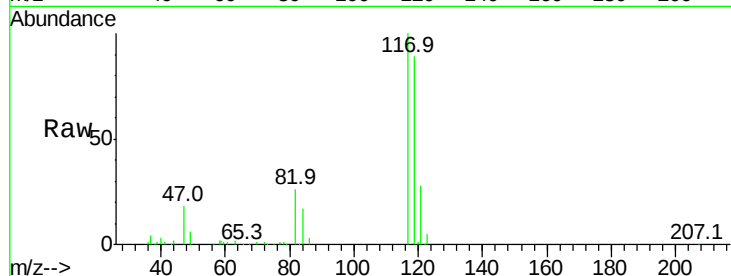
VSTD2.502

Tgt Ion:117 Resp: 49579

Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

25000

20000

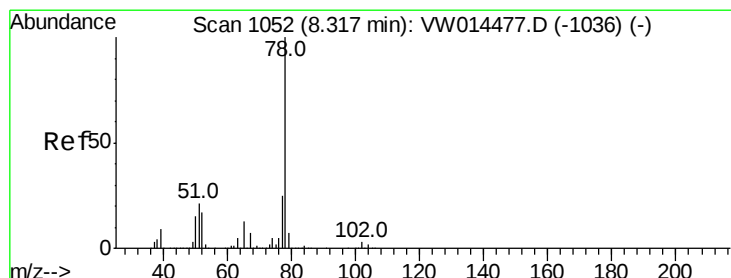
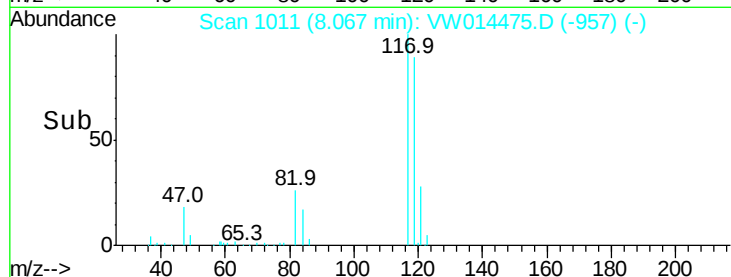
15000

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 2.471 ug/L

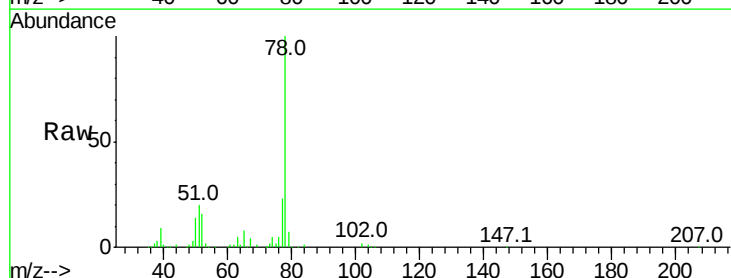
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Tgt Ion: 78 Resp: 154353



Abundance Ion 78.00 (77.70 to 78.70): VW

80000

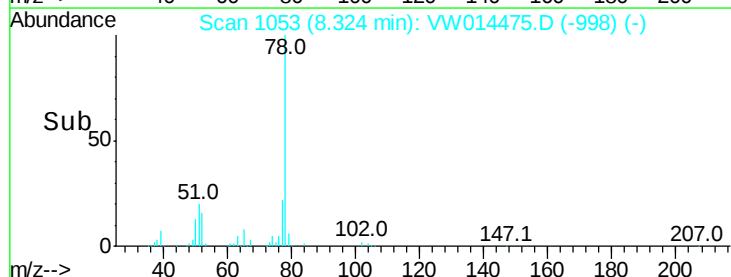
60000

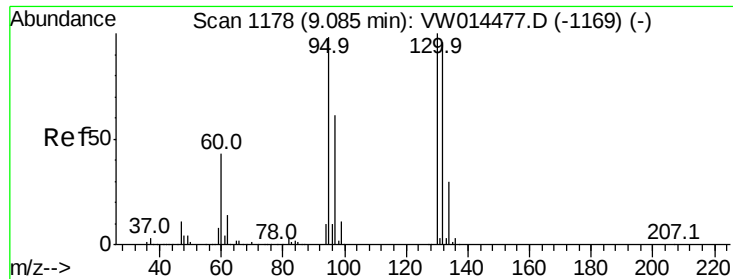
40000

20000

0

Time--> 8.25 8.30 8.35 8.40

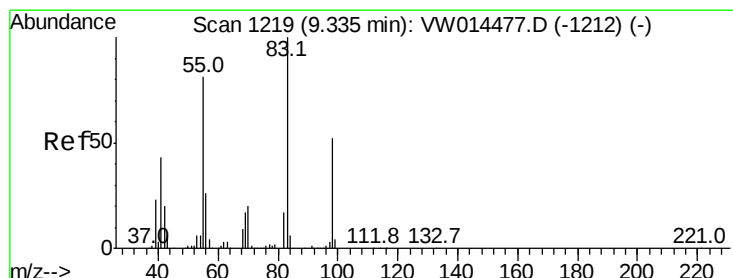
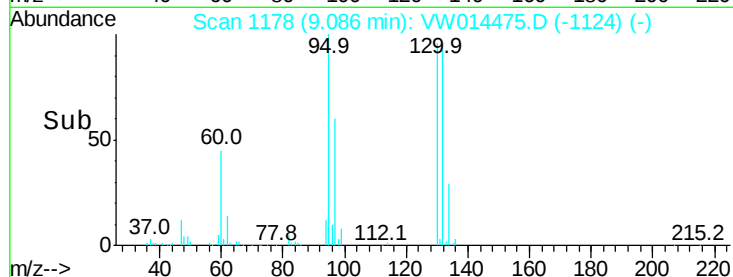
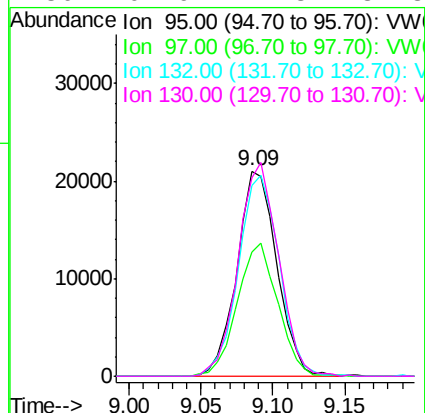
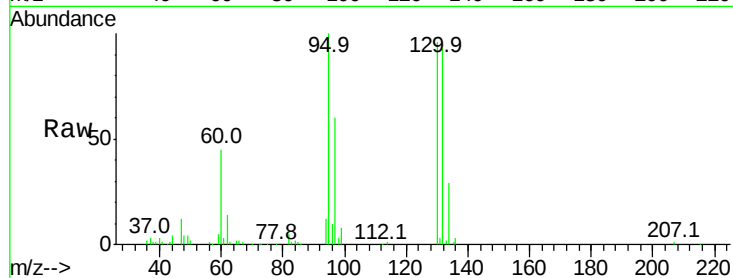




#35
 Trichloroethene
 Concen: 2.543 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

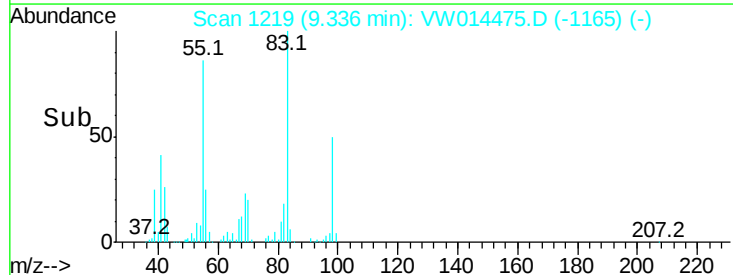
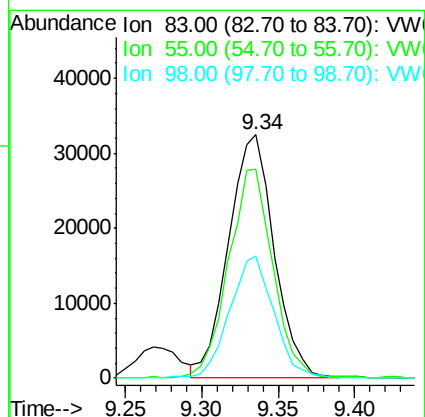
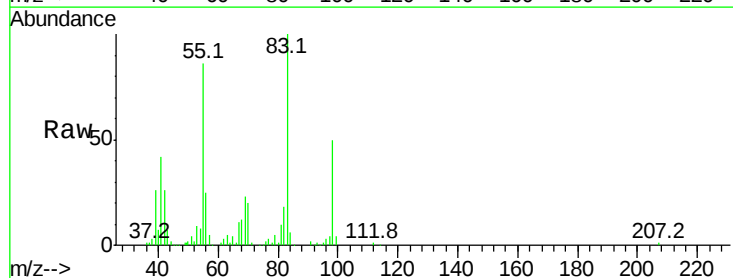
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

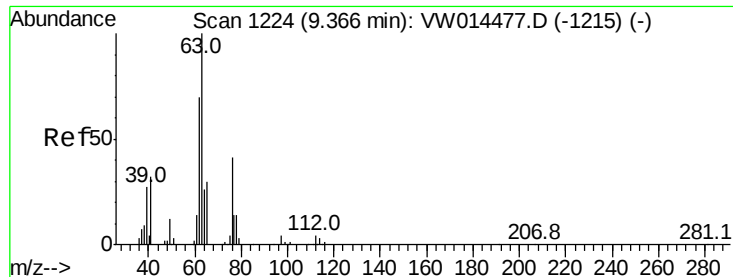
Tgt Ion:	95	Resp:	40637
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.3	82.3
132	99.8	69.2	128.6
130	104.9	72.3	134.3



#36
 Methylcyclohexane
 Concen: 2.502 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

Tgt Ion:	83	Resp:	67200
Ion	Ratio	Lower	Upper
83	100		
55	83.4	63.7	95.5
98	48.5	39.4	59.2





#40

1,2-Dichloropropane

Concen: 2.485 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

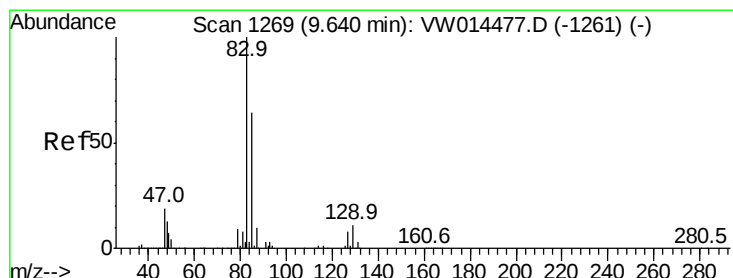
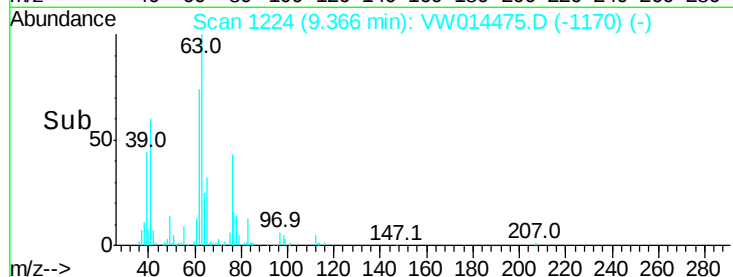
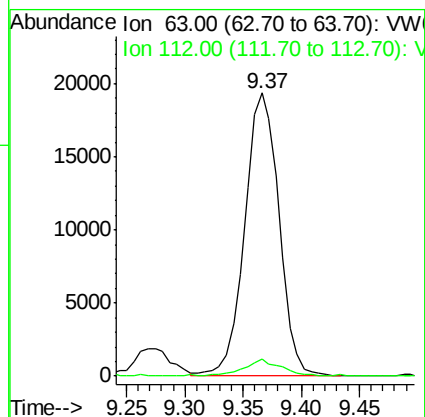
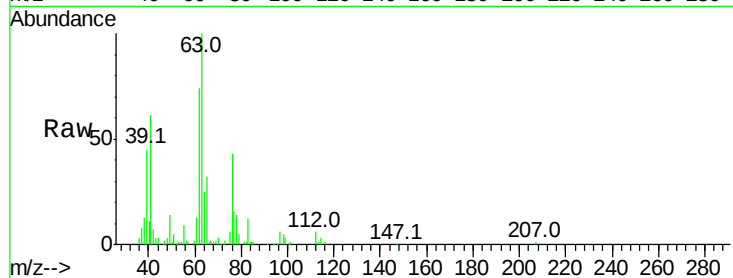
VSTD2.502

Tgt Ion: 63 Resp: 39883

Ion Ratio Lower Upper

63 100

112 6.4 3.7 5.5#



#41

Bromodichloromethane

Concen: 2.387 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

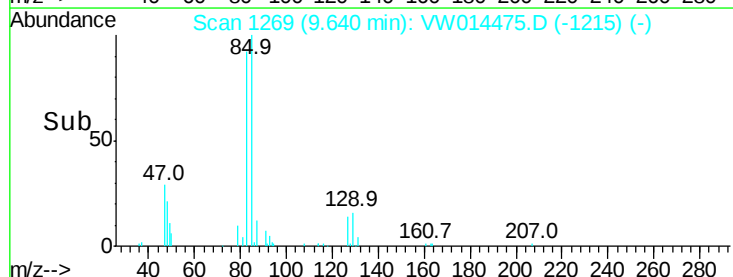
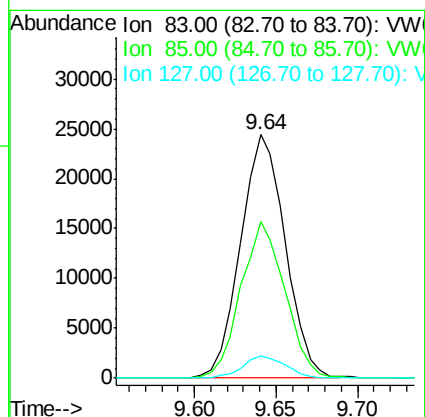
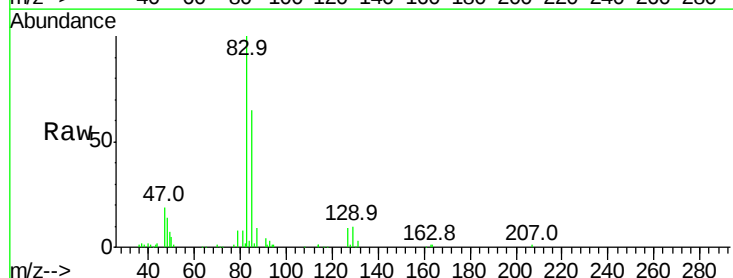
Tgt Ion: 83 Resp: 46554

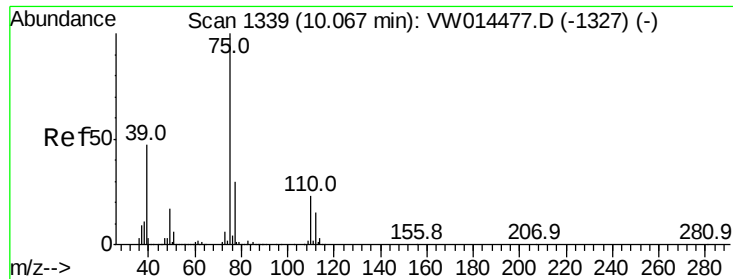
Ion Ratio Lower Upper

83 100

85 64.6 44.7 83.1

127 9.1 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 2.208 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

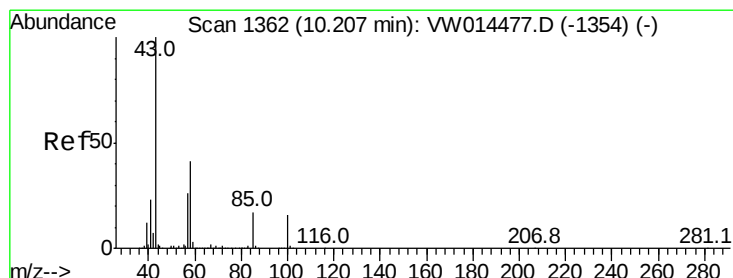
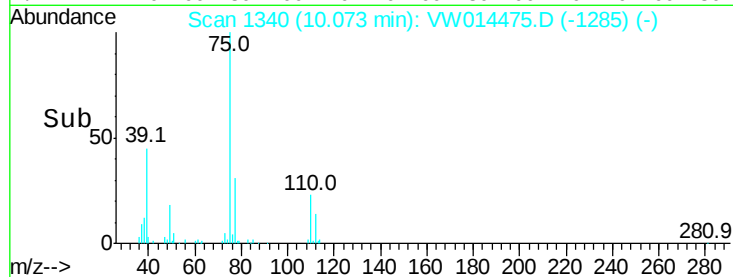
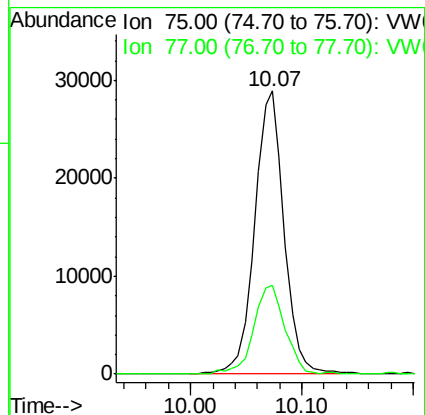
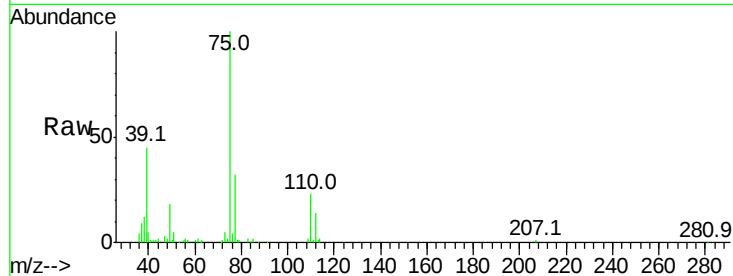
VSTD2.502

Tgt Ion: 75 Resp: 53074

Ion Ratio Lower Upper

75 100

77 31.6 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 4.971 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

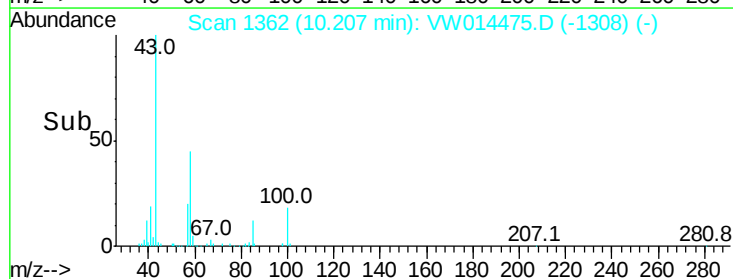
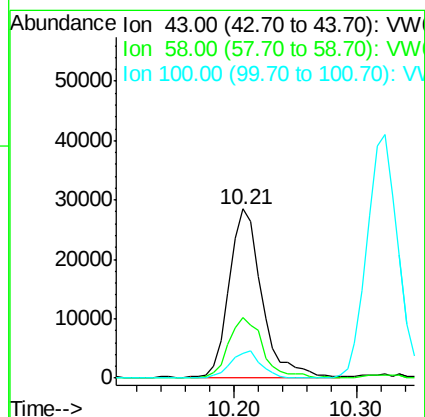
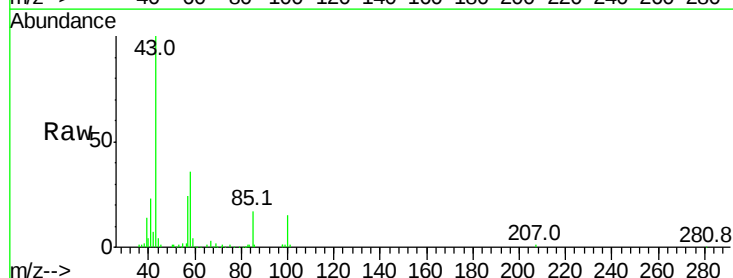
Tgt Ion: 43 Resp: 52605

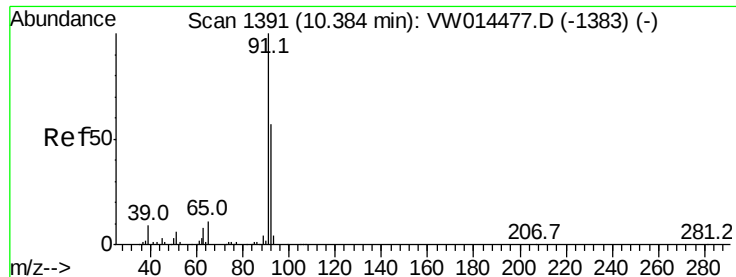
Ion Ratio Lower Upper

43 100

58 36.6 32.6 48.8

100 15.0 12.6 19.0





#44

Toluene

Concen: 2.384 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

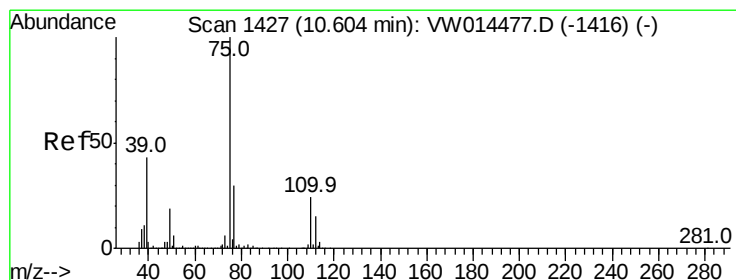
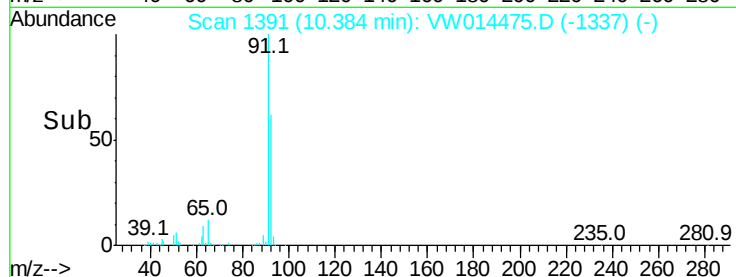
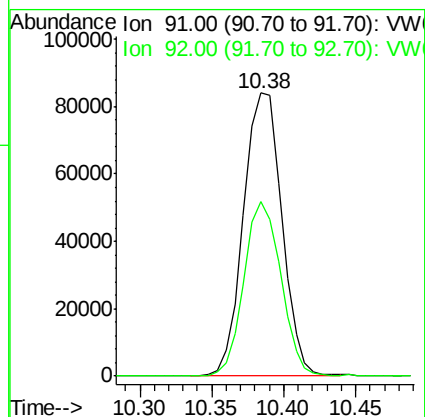
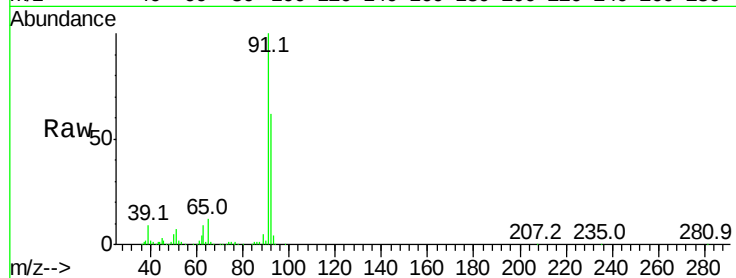
VSTD2.502

Tgt Ion: 91 Resp: 156139

Ion Ratio Lower Upper

91 100

92 61.6 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 2.226 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014475.D

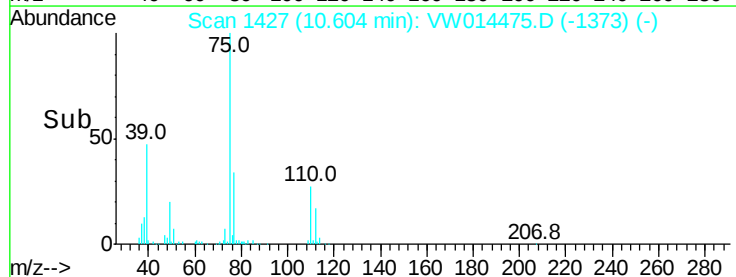
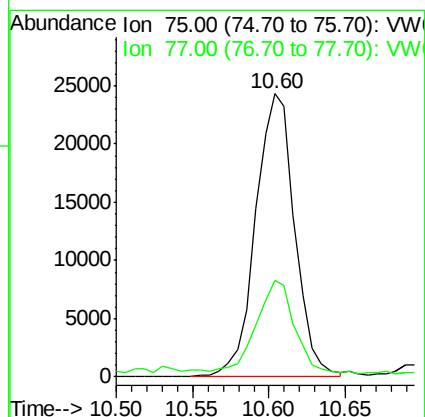
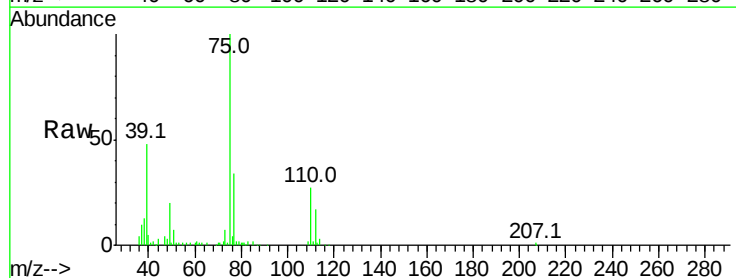
Acq: 27 Dec 2019 18:35

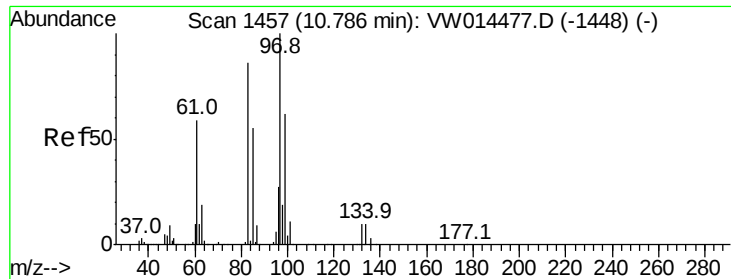
Tgt Ion: 75 Resp: 43307

Ion Ratio Lower Upper

75 100

77 33.9 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 2.319 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampled :

VSTD2.502

Tgt Ion: 97 Resp: 27885

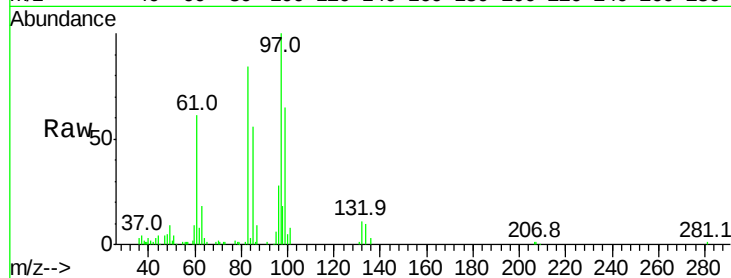
Ion Ratio Lower Upper

97 100

83 84.0 60.1 111.5

85 56.1 38.1 70.9

99 64.7 43.4 80.6

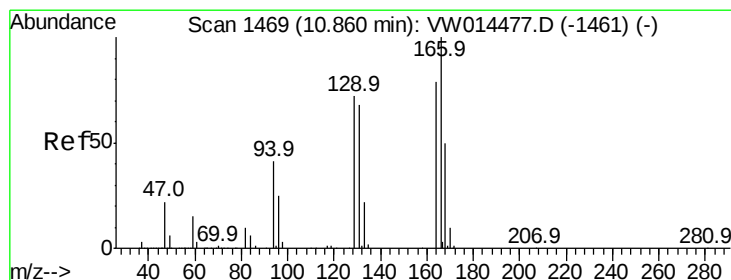
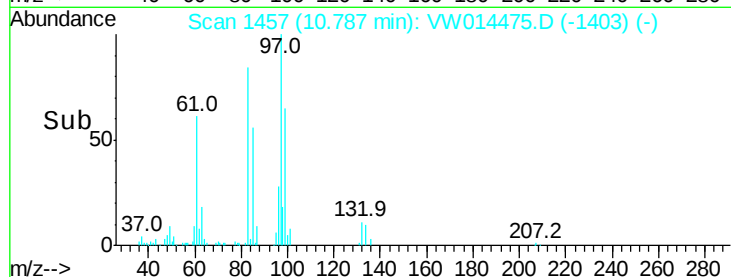
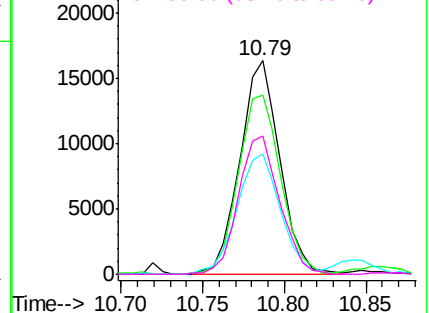


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.606 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Tgt Ion: 164 Resp: 34710

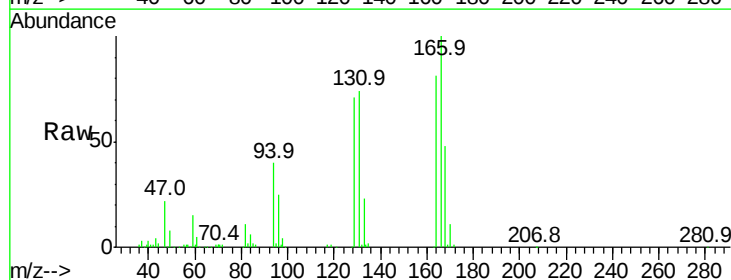
Ion Ratio Lower Upper

164 100

129 87.5 64.0 118.8

131 91.5 60.2 111.8

166 123.4 88.2 163.8

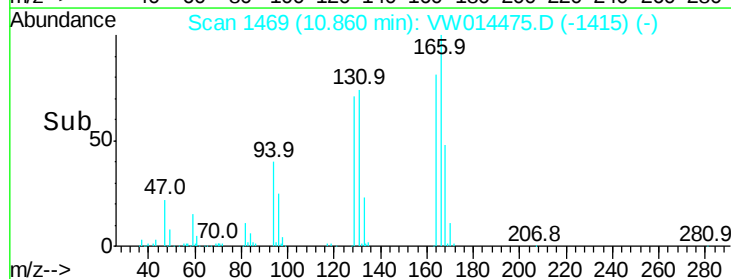
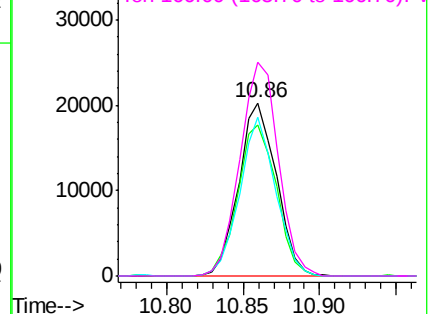


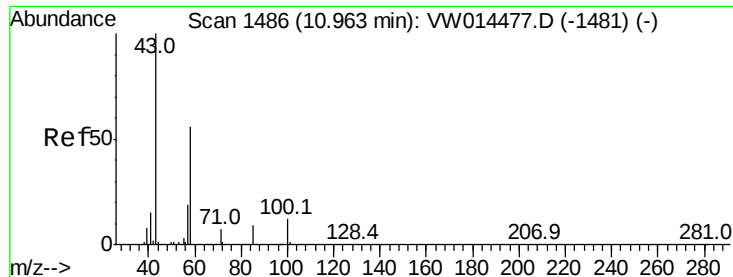
Abundance Ion 164.00 (163.70 to 164.70): V

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

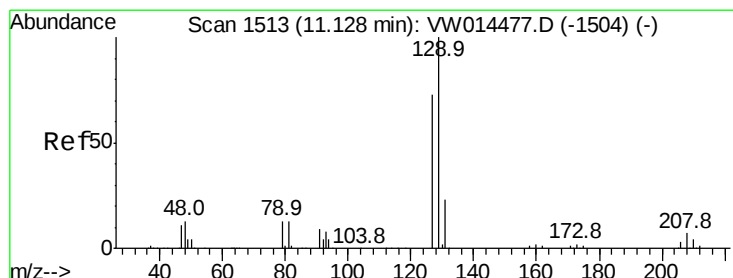
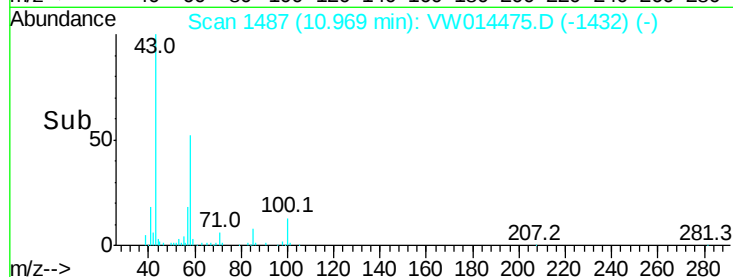
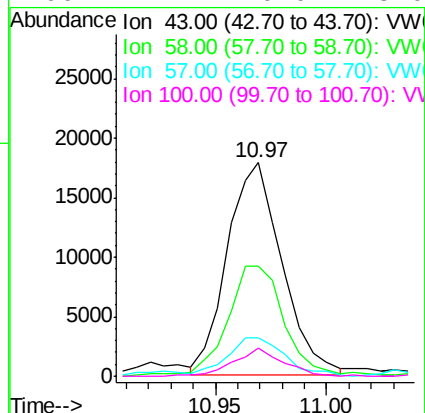
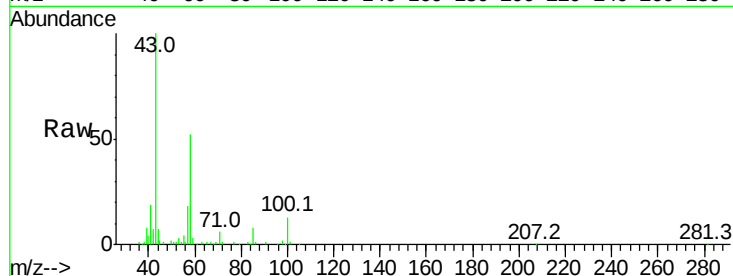




#49
2-Hexanone
Concen: 4.068 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014475.D
Acq: 27 Dec 2019 18:35

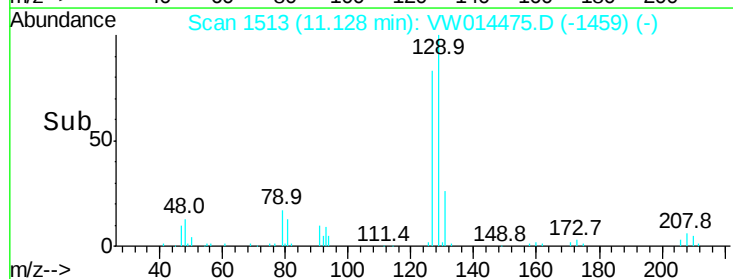
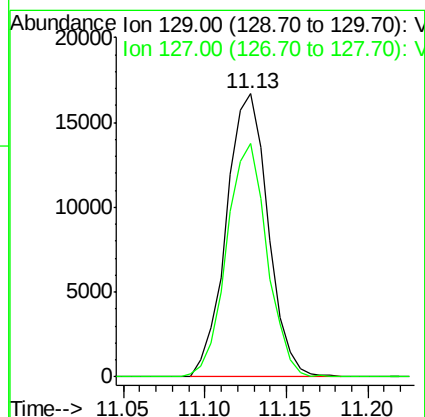
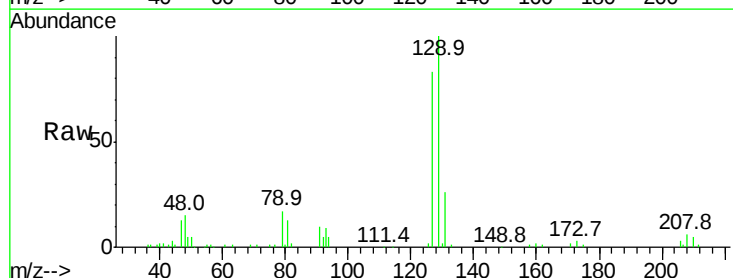
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

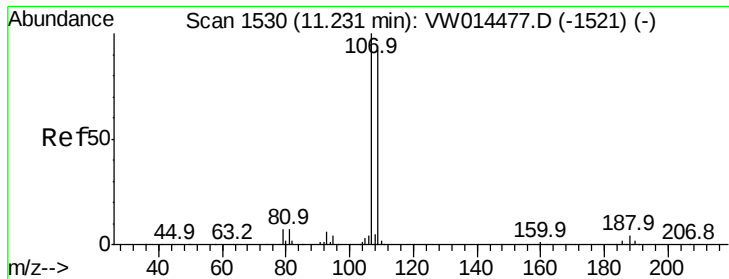
Tgt Ion: 43 Resp: 30650
Ion Ratio Lower Upper
43 100
58 52.6 44.9 67.3
57 19.1 15.3 22.9
100 11.7 10.0 15.0



#50
Dibromochloromethane
Concen: 2.210 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014475.D
Acq: 27 Dec 2019 18:35

Tgt Ion: 129 Resp: 29828
Ion Ratio Lower Upper
129 100
127 82.7 51.1 94.9

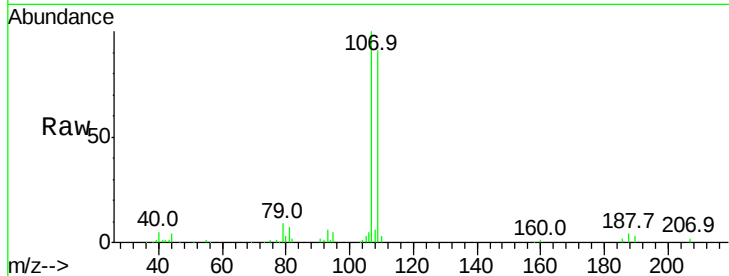




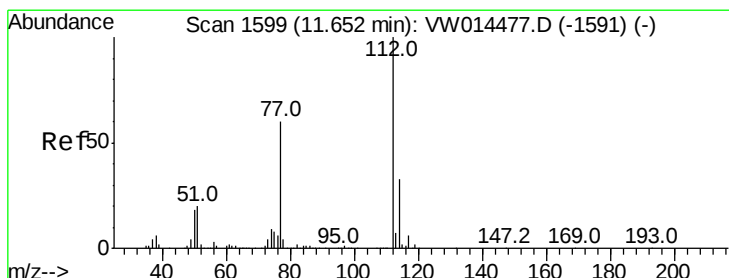
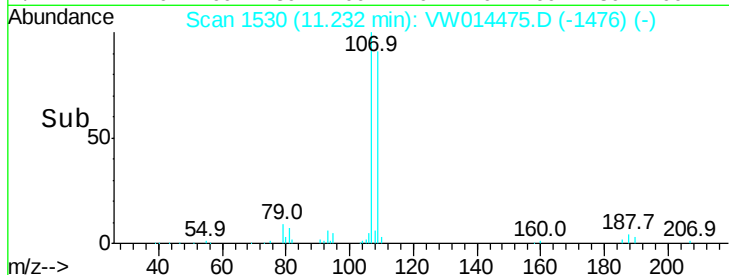
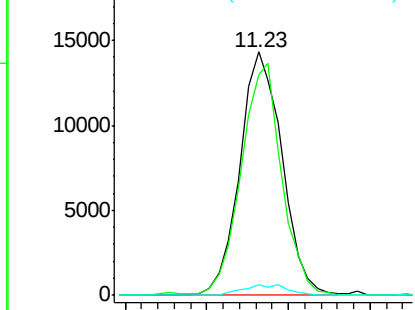
#51
 1,2-Dibromoethane
 Concen: 2.262 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.6	64.7	120.1
188	4.2	3.0	4.6

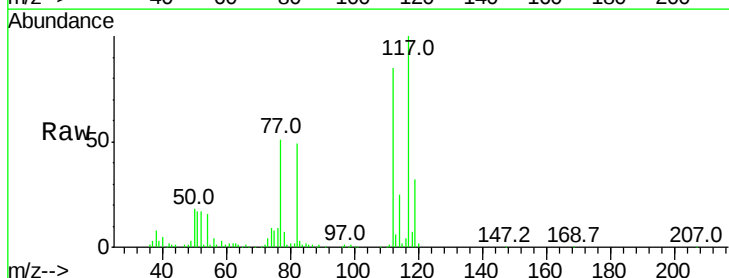


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

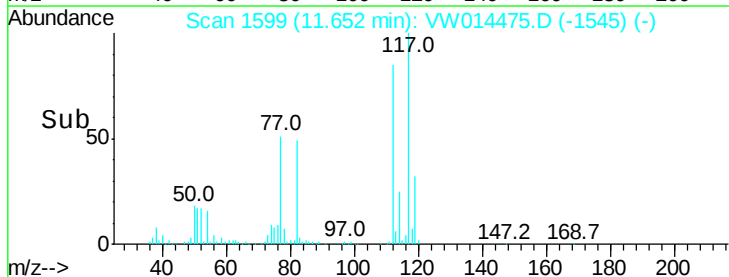
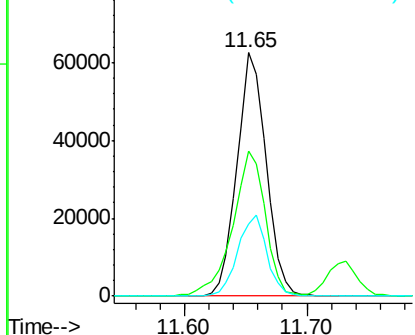


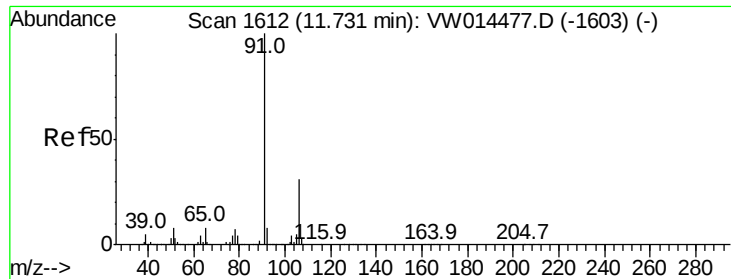
#52
 Chlorobenzene
 Concen: 2.439 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.5	48.2	72.2
114	29.7	22.9	42.5



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.431 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

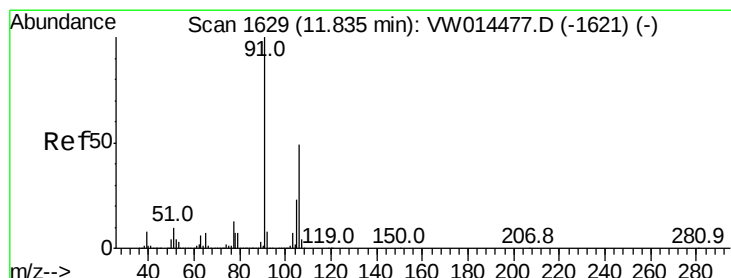
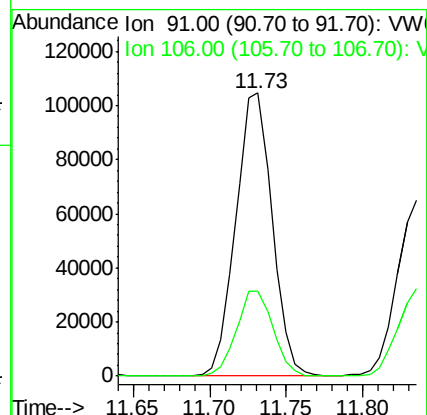
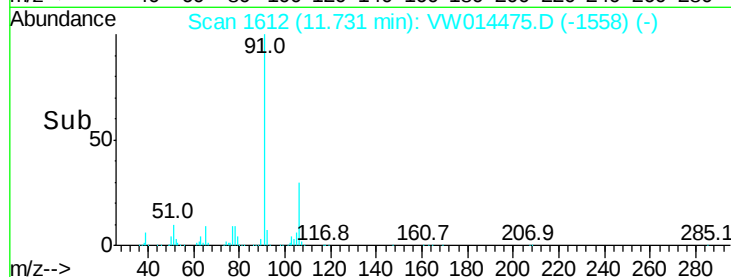
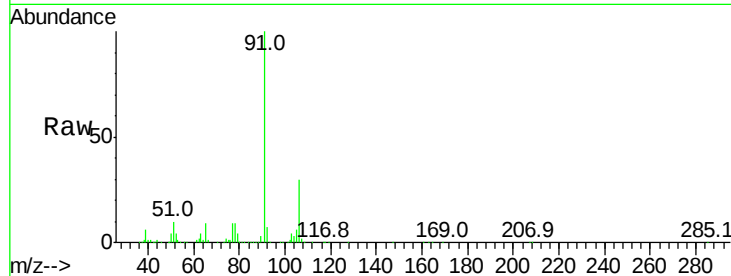
VSTD2.502

Tgt Ion: 91 Resp: 172773

Ion Ratio Lower Upper

91 100

106 30.2 21.8 40.6



#54

m,p-Xylene

Concen: 2.316 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014475.D

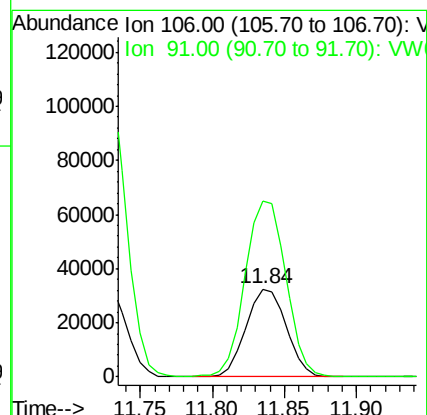
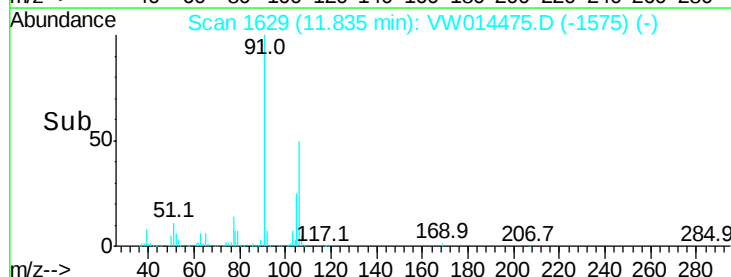
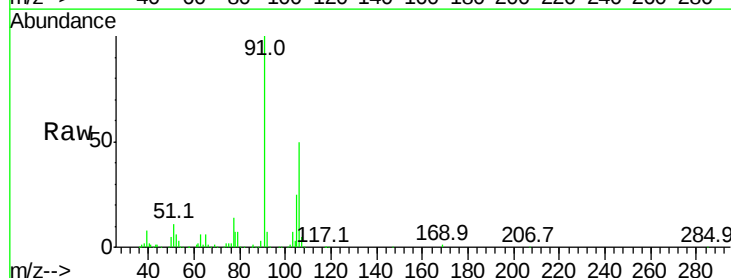
Acq: 27 Dec 2019 18:35

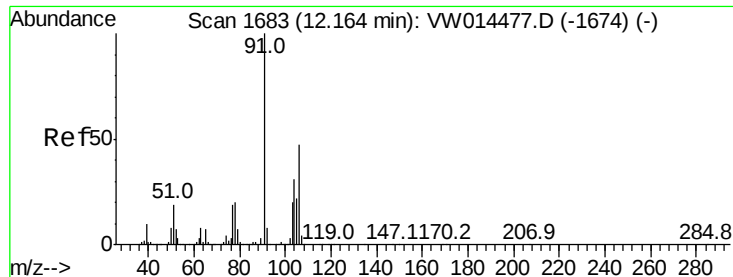
Tgt Ion: 106 Resp: 63300

Ion Ratio Lower Upper

106 100

91 200.4 142.2 264.0





#55

o-xylene

Concen: 2.278 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

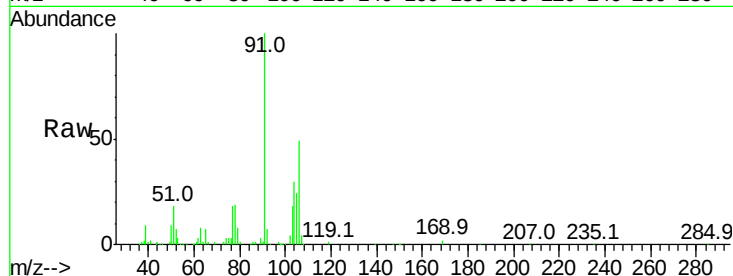
VSTD2.502

Tgt Ion:106 Resp: 59073

Ion Ratio Lower Upper

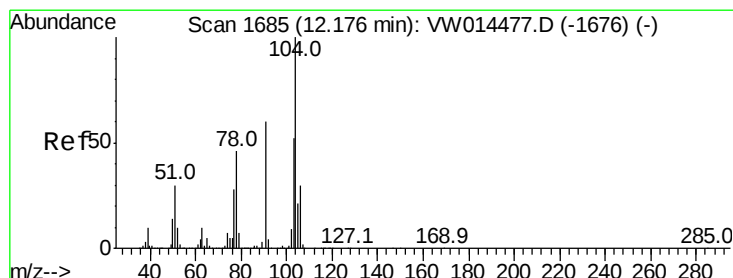
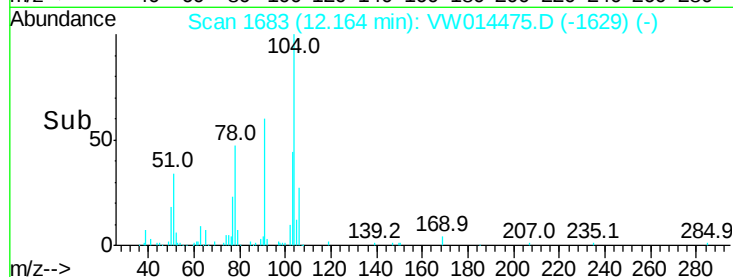
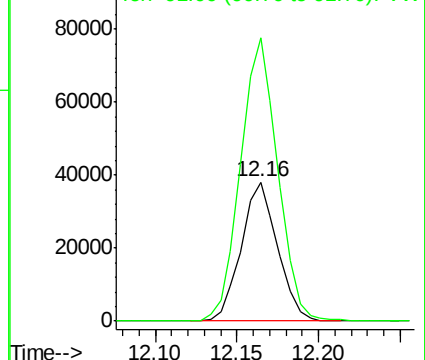
106 100

91 203.3 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.172 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014475.D

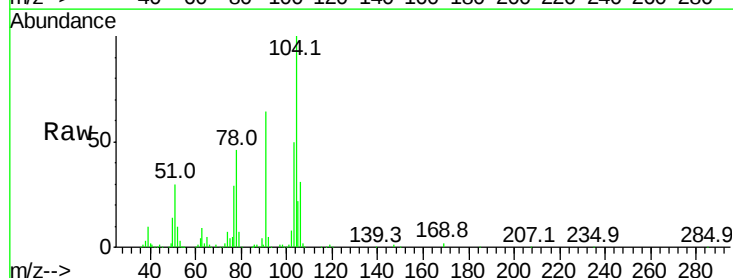
Acq: 27 Dec 2019 18:35

Tgt Ion:104 Resp: 96354

Ion Ratio Lower Upper

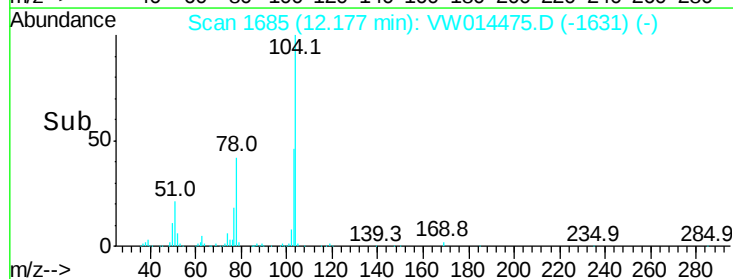
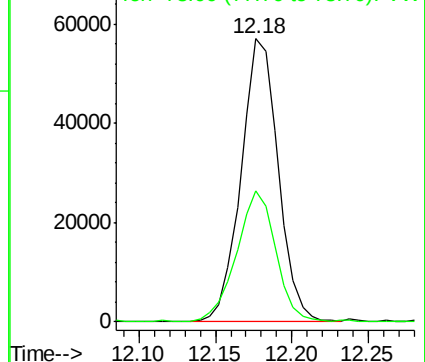
104 100

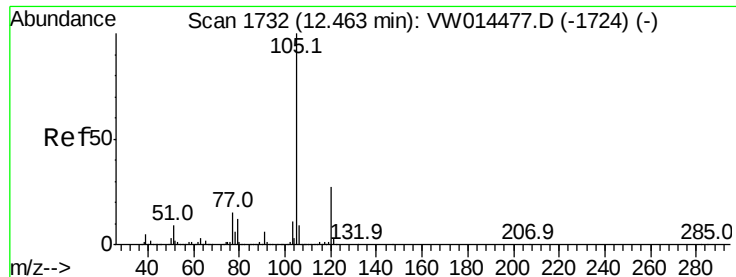
78 46.2 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.296 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

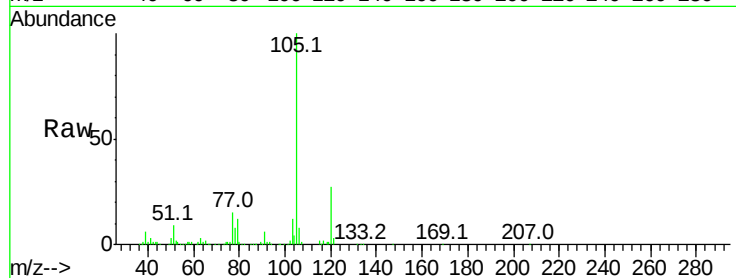
Tgt Ion:105 Resp: 154551

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.6

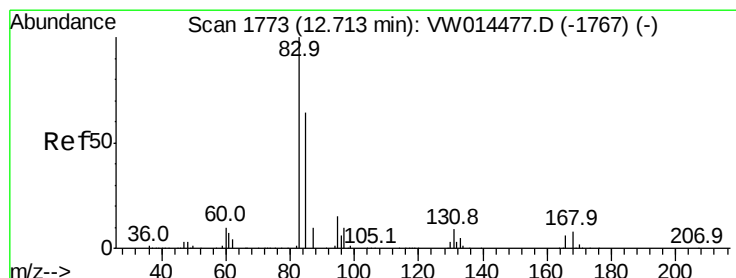
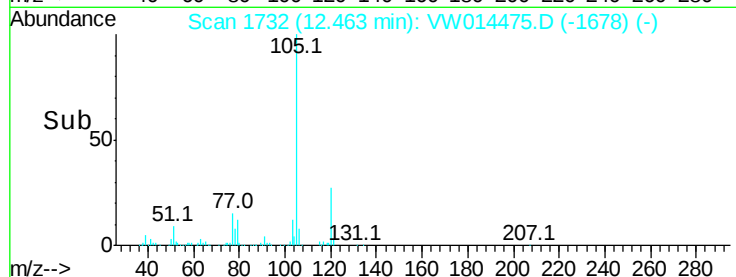
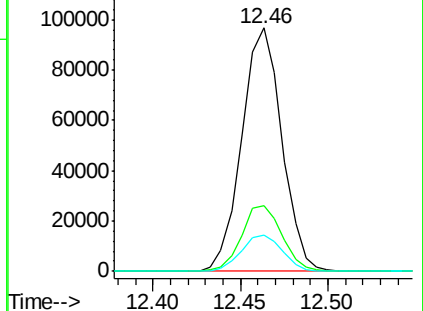
77 15.6 12.2 18.2



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: 2.371 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

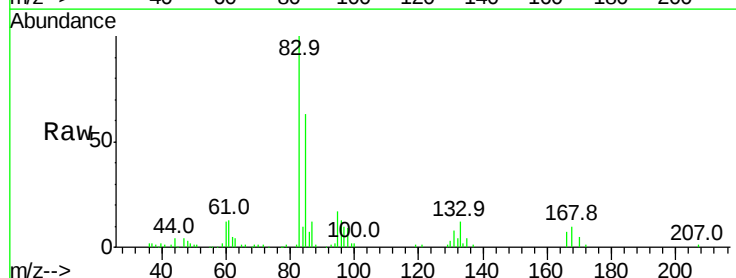
Tgt Ion: 83 Resp: 35392

Ion Ratio Lower Upper

83 100

85 62.7 45.3 84.1

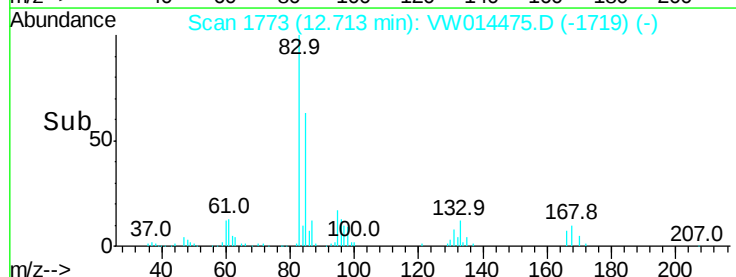
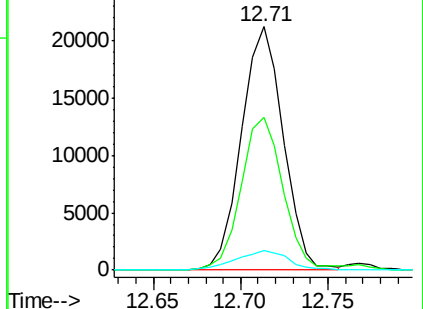
131 8.2 8.0 12.0

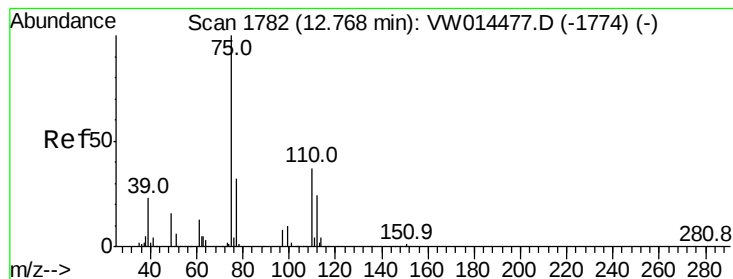


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.435 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

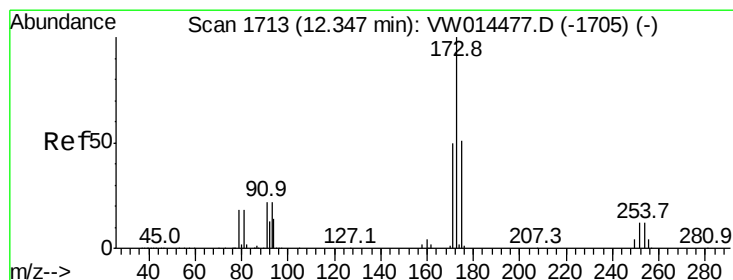
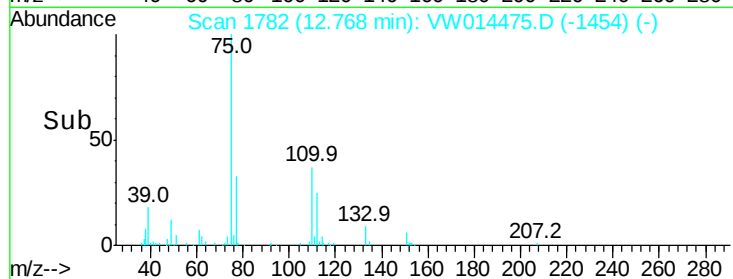
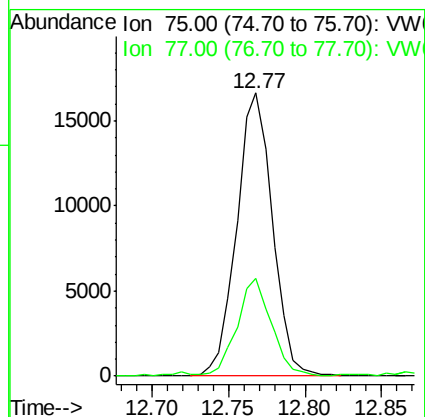
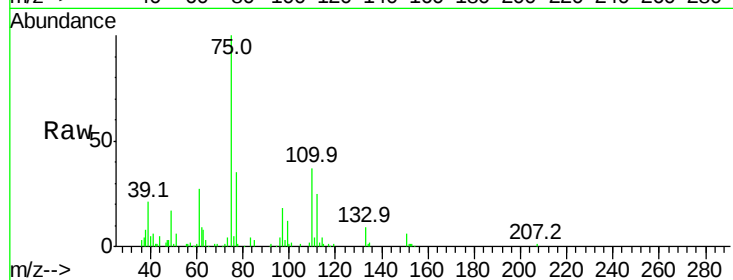
VSTD2.502

Tgt Ion: 75 Resp: 27007

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2



#62

Bromoform

Concen: 2.268 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

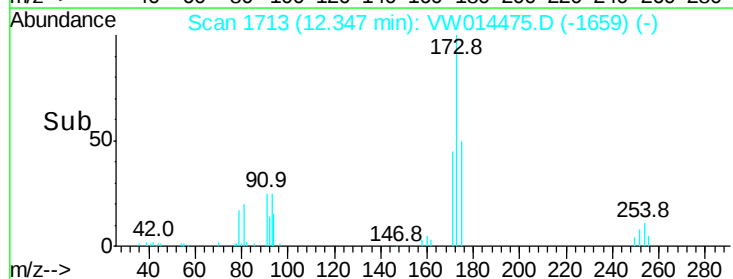
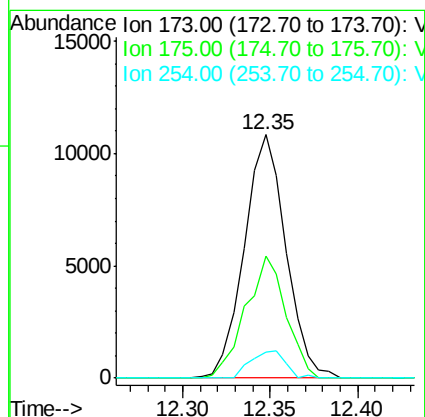
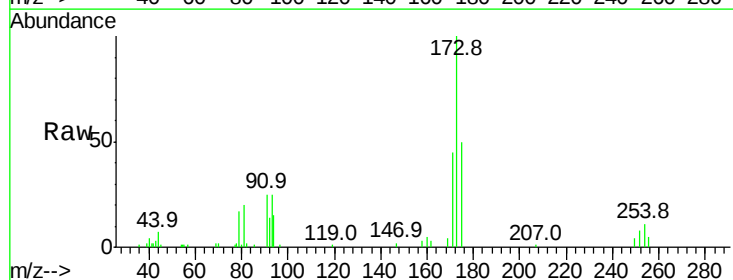
Tgt Ion: 173 Resp: 17930

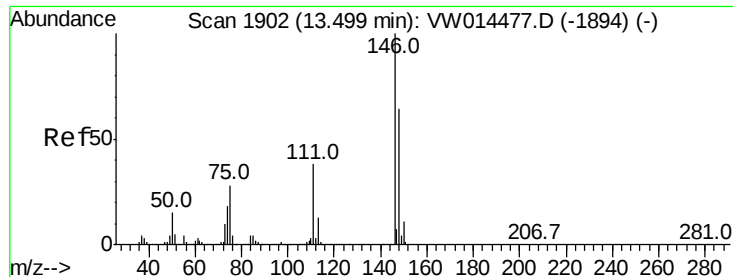
Ion Ratio Lower Upper

173 100

175 48.6 40.5 60.7

254 9.1 9.3 13.9#

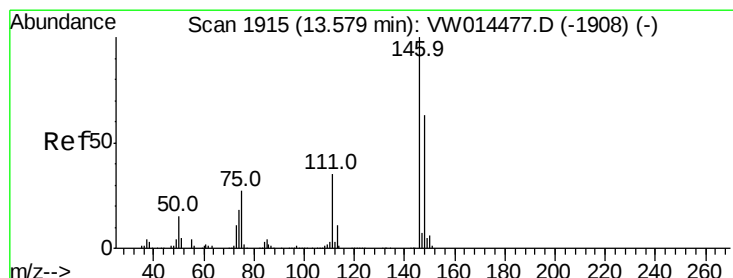
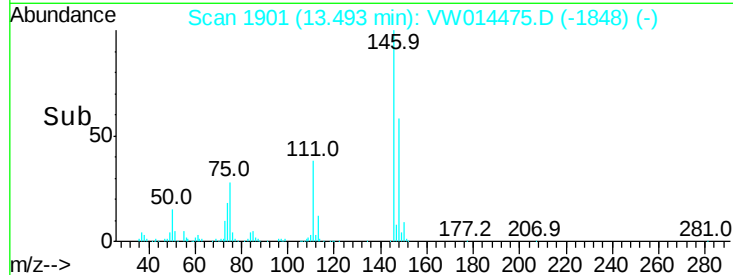
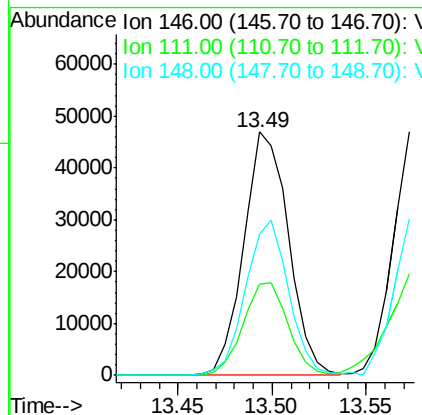
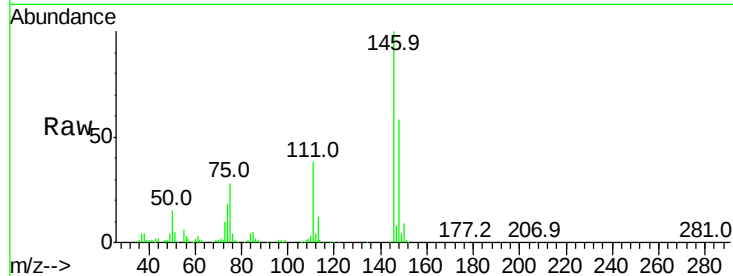




#63
 1,3-Dichlorobenzene
 Concen: 2.469 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

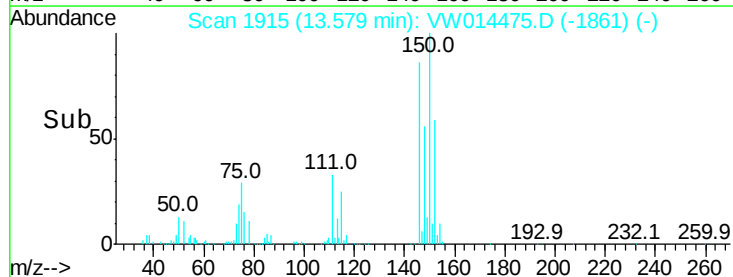
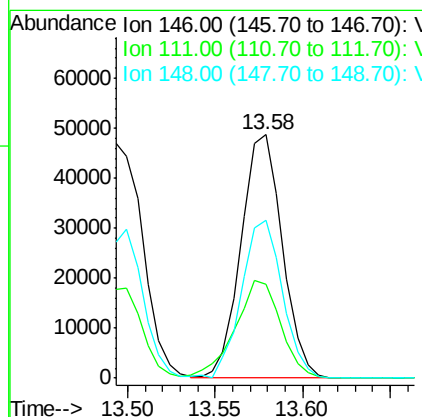
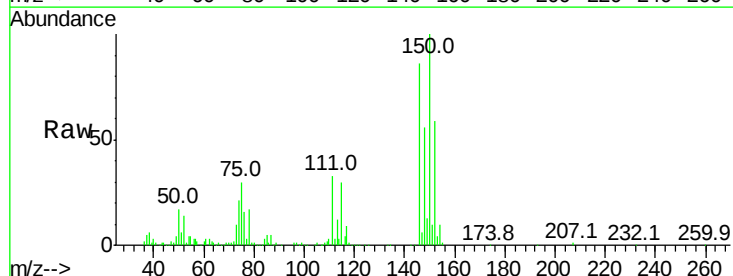
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

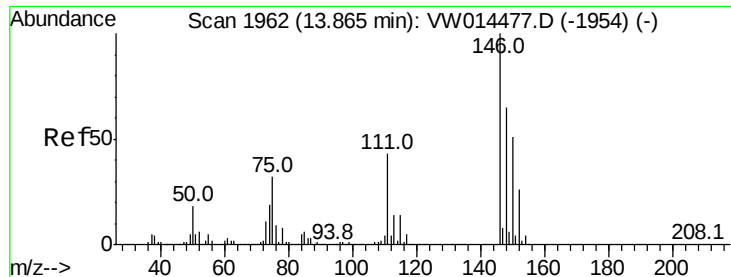
Tgt Ion:146 Resp: 77278
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.9 50.1
 148 58.1 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 2.521 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

Tgt Ion:146 Resp: 80164
 Ion Ratio Lower Upper
 146 100
 111 38.5 24.5 45.5
 148 65.0 44.4 82.4

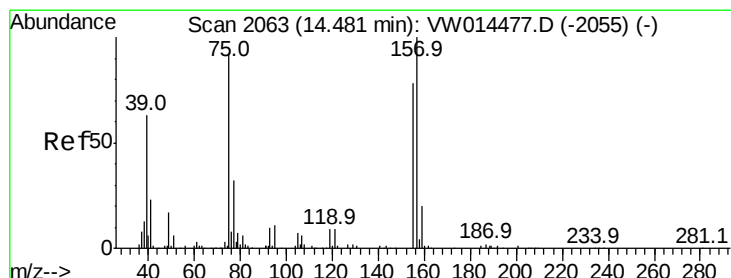
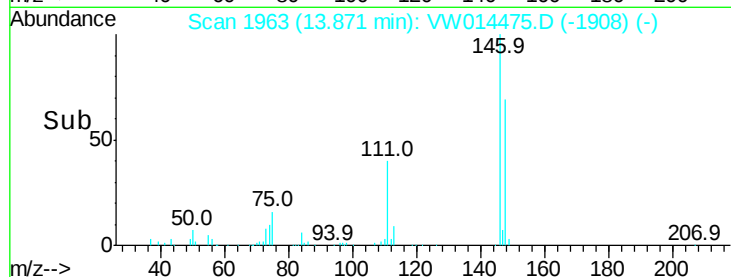
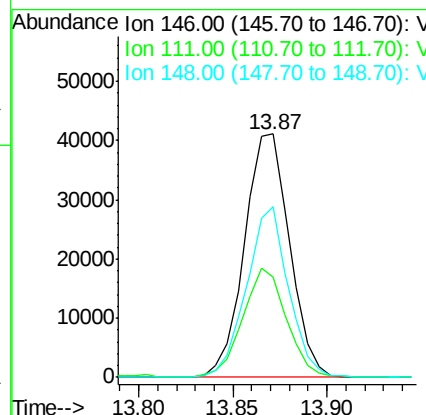
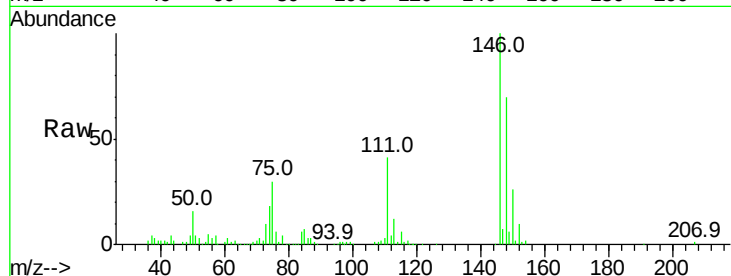




#65
 1,2-Dichlorobenzene
 Concen: 2.348 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

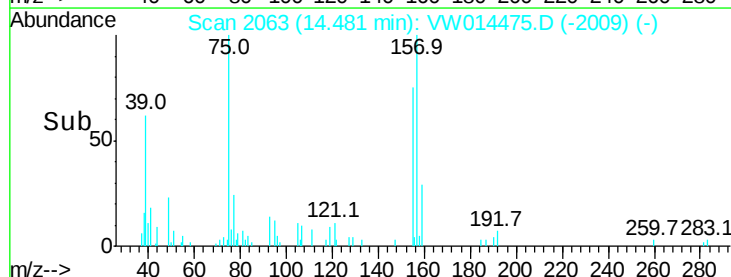
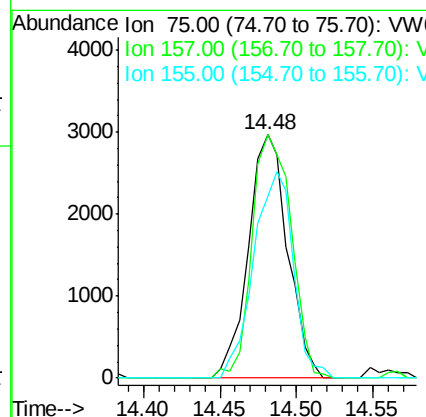
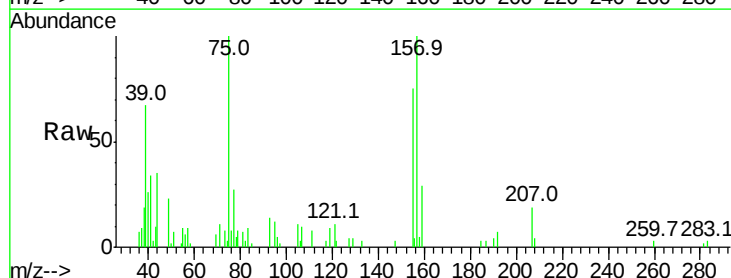
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

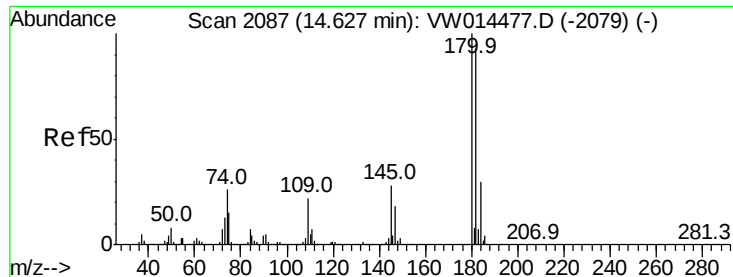
Tgt Ion:146 Resp: 68339
 Ion Ratio Lower Upper
 146 100
 111 41.0 34.2 51.2
 148 70.0 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.358 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

Tgt Ion: 75 Resp: 5296
 Ion Ratio Lower Upper
 75 100
 157 104.9 87.2 130.8
 155 75.1 67.8 101.8

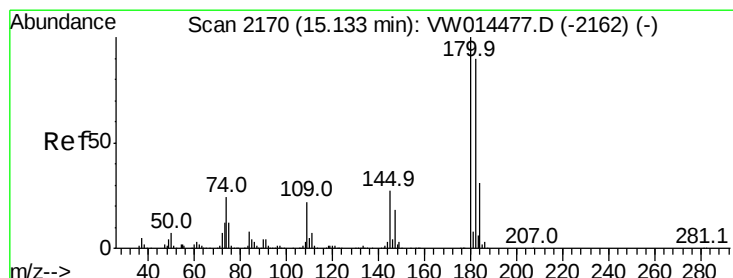
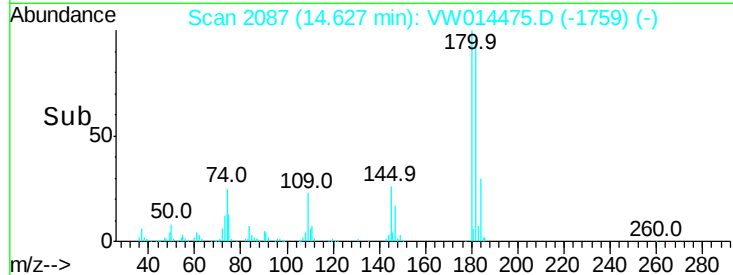
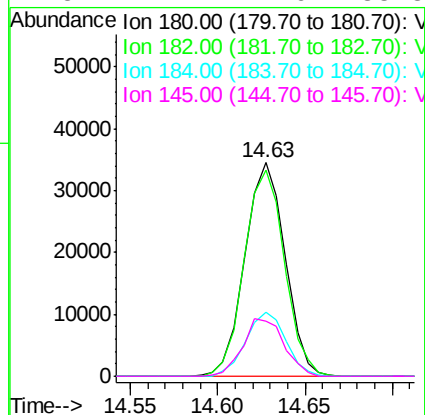
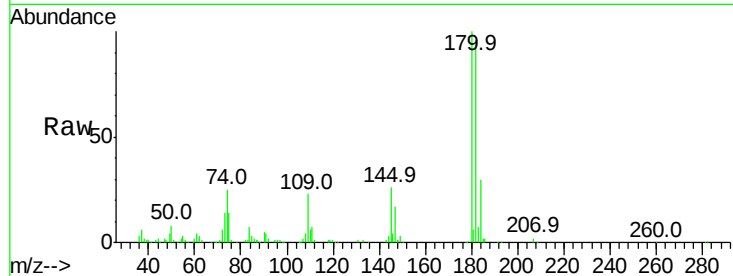




#67
 1,3,5-Trichlorobenzene
 Concen: 2.451 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

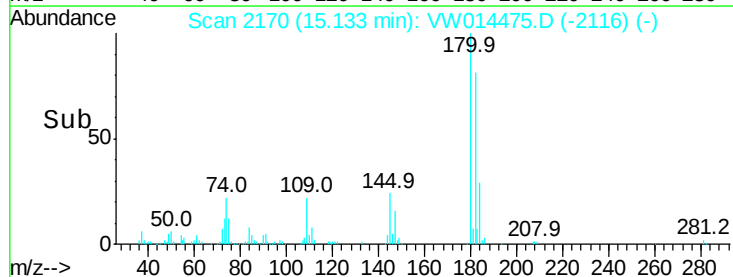
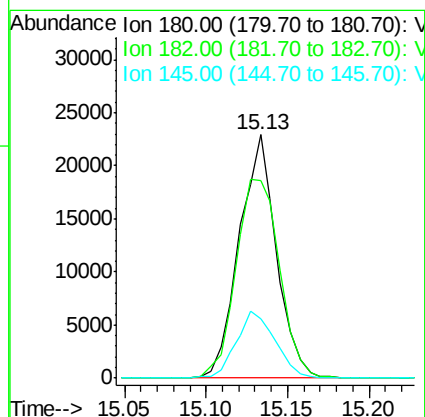
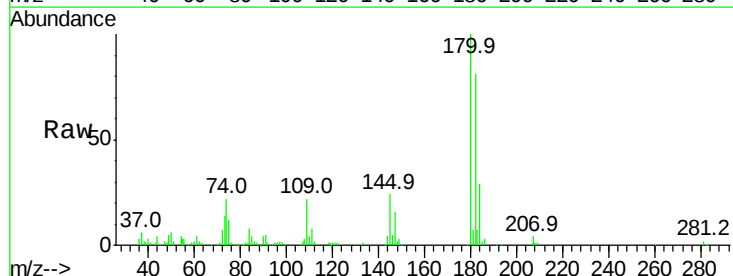
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

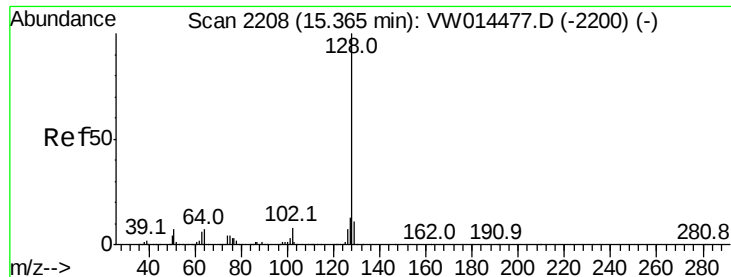
Tgt Ion:180 Resp: 55188
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.8 113.6
 184 29.9 24.0 36.0
 145 27.7 22.6 33.8



#68
 1,2,4-trichlorobenzene
 Concen: 2.068 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014475.D
 Acq: 27 Dec 2019 18:35

Tgt Ion:180 Resp: 36306
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.4
 145 28.7 23.1 34.7





#69

Naphthalene

Concen: 1.618 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

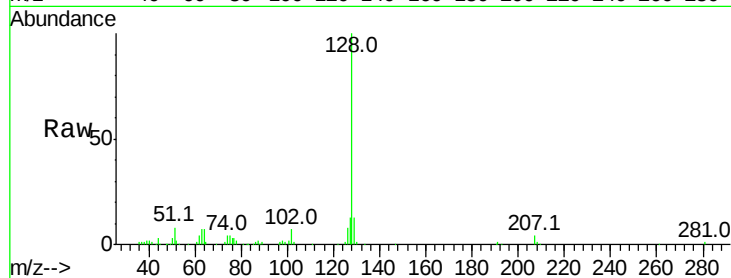
Tgt Ion:128 Resp: 53409

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

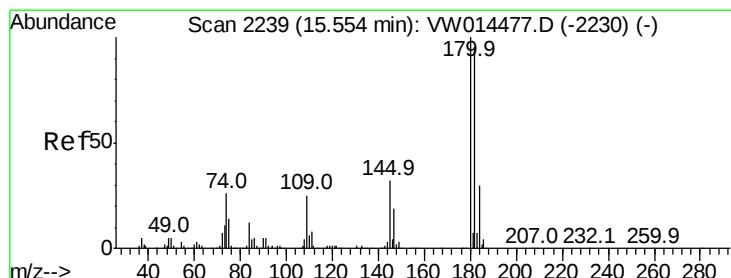
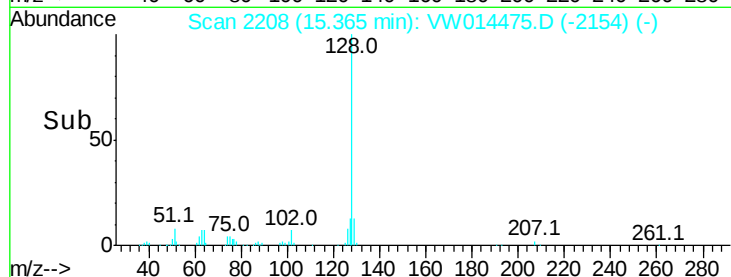
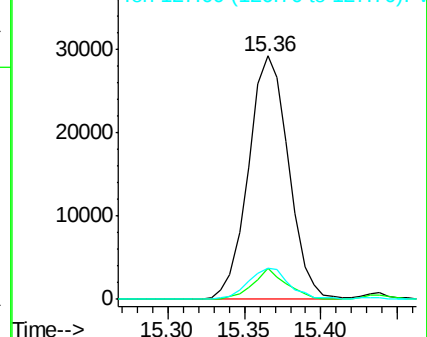
127 12.7 10.6 16.0



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: 2.054 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014475.D

Acq: 27 Dec 2019 18:35

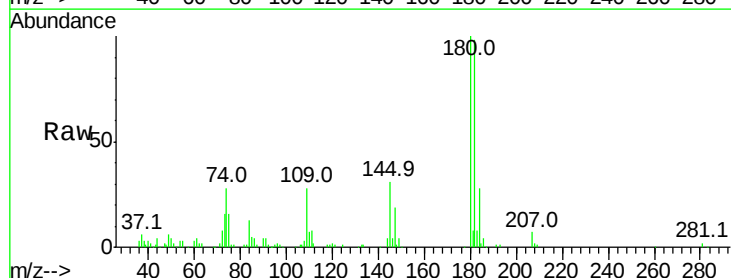
Tgt Ion:180 Resp: 33811

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.6

145 30.7 24.9 37.3



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

