

Data File : VV011134.D
Acq On : 30 May 2019 13:26
Operator : SY/MD
Sample : VSTD02582
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

Quant Time: May 30 13:47:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Thu May 30 12:53:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	334972	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	320427	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	157595	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	107937	23.50	ug/L	0.00
7) Chloroethane-d5	1.56	69	86302	26.33	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	231549	27.10	ug/L	0.00
20) 2-Butanone-d5	3.94	46	91154	57.59	ug/L	0.00
24) Chloroform-d	4.40	84	213202	26.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	136786	26.34	ug/L	0.00
29) Benzene-d6	5.09	84	451349	24.06	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	145367	24.35	ug/L	0.00
37) Toluene-d8	7.36	98	420360	24.31	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	65609	23.59	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	66936	51.47	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	138554	26.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	152957	24.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	143024	26.185	ug/L	99
3) Chloromethane	1.25	50	138729	25.748	ug/L	99
5) Vinyl chloride	1.32	62	138400	27.833	ug/L	99
6) Bromomethane	1.51	94	73225	34.169	ug/L	100
8) Chloroethane	1.58	64	80600	29.880	ug/L	100
9) Trichlorofluoromethane	1.76	101	202293	30.373	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102613	28.710	ug/L	99
12) 1,1-Dichloroethene	2.13	96	95745	28.470	ug/L	88
13) Acetone	2.19	43	106766	59.541	ug/L	99
14) Carbon disulfide	2.31	76	311500	27.689	ug/L	100
15) Methyl Acetate	2.46	43	74036	28.605	ug/L #	100
16) Methylene chloride	2.53	84	124753	25.475	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	334963	26.590	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	117635	25.571	ug/L	96
19) 1,1-Dichloroethane	3.22	63	226497	25.325	ug/L	99
21) 2-Butanone	4.02	43	121919	55.210	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	132800	25.629	ug/L	100
23) Bromochloromethane	4.30	128	58919	26.844	ug/L	90
25) Chloroform	4.42	83	242034	25.627	ug/L	99
27) 1,2-Dichloroethane	5.18	62	173031	28.120	ug/L	100
30) Cyclohexane	4.72	56	218961	23.591	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	191442	26.240	ug/L	100
32) Carbon tetrachloride	4.87	117	161514	25.848	ug/L	100
34) Benzene	5.14	78	498494	25.727	ug/L	100
35) Trichloroethene	5.96	95	129570	25.604	ug/L	99
36) Methylcyclohexane	6.17	83	215908	24.726	ug/L	96
40) 1,2-Dichloropropane	6.22	63	126219	24.443	ug/L	99
41) Bromodichloromethane	6.55	83	169844	25.945	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	212620	25.771	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	238401	52.643	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu May 30 12:53:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	544614	25.851	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	180627	25.657	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	102577	26.803	ug/L	98
47) Tetrachloroethene	8.02	164	93954	25.743	ug/L	97
49) 2-Hexanone	8.18	43	178439	53.428	ug/L	97
50) Dibromochloromethane	8.29	129	116841	26.350	ug/L	99
51) 1,2-Dibromoethane	8.40	107	99413	27.145	ug/L	100
52) Chlorobenzene	8.92	112	341779	26.178	ug/L	100
53) Ethylbenzene	9.05	91	624946	26.021	ug/L	100
54) m,p-Xylene	9.18	106	230978	25.819	ug/L	100
55) o-xylene	9.59	106	227410	26.160	ug/L	96
56) Styrene	9.60	104	390425	26.488	ug/L	97
57) Isopropylbenzene	9.97	105	609536	26.273	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	139201	27.609	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	107552	27.913	ug/L	99
62) Bromoform	9.77	173	66067	24.921	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	263807	25.445	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	265903	25.772	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	252558	26.068	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	24242	24.512	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	197998	25.966	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	162458	26.781	ug/L	98
69) Naphthalene	13.55	128	354239	28.308	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	149522	26.935	ug/L	98

(#) = 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_V
ClientSampleId :
VSTD02569

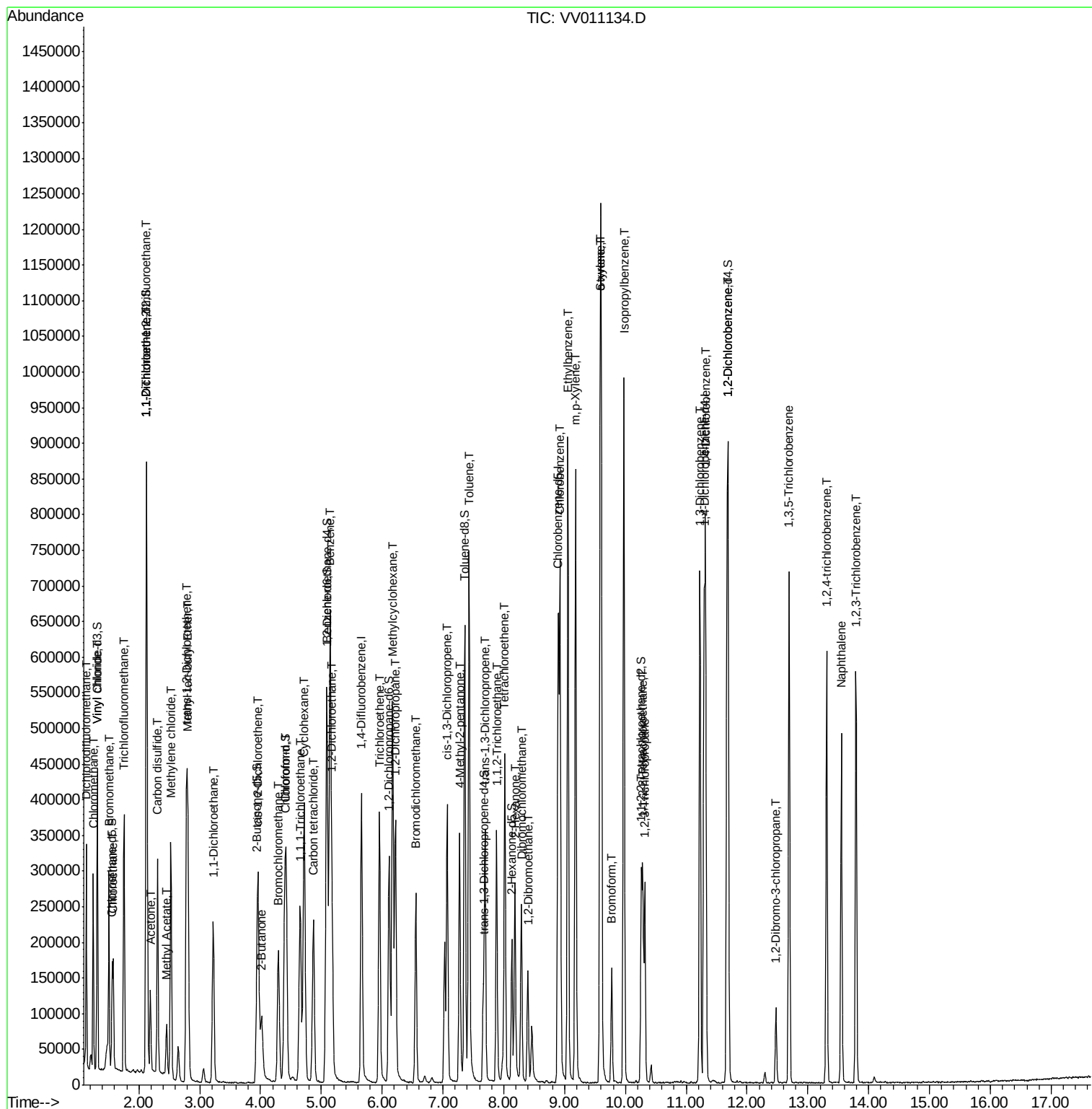
Quant Time: May 30 13:47:41 2019

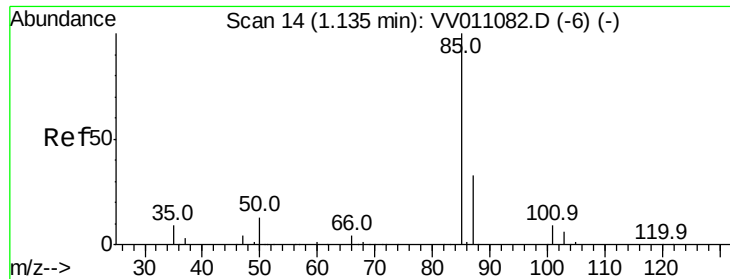
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM053019S.M

Quant Title : VOC Analysis

QLast Update : Thu May 30 12:53:05 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.185 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

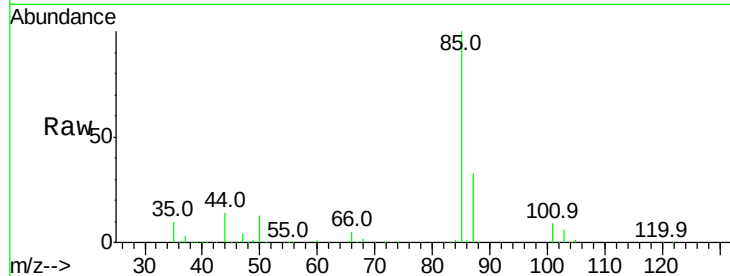
VSTD02569

Tgt Ion: 85 Resp: 143024

Ion Ratio Lower Upper

85 100

87 32.6 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

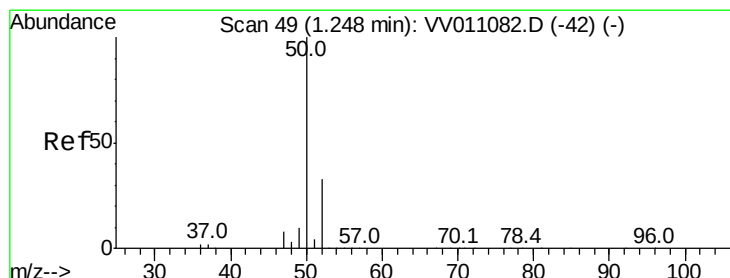
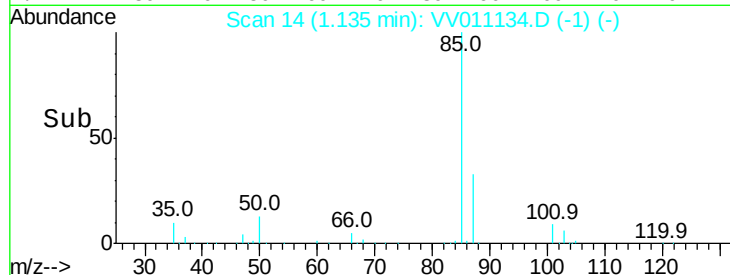
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 25.748 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011134.D

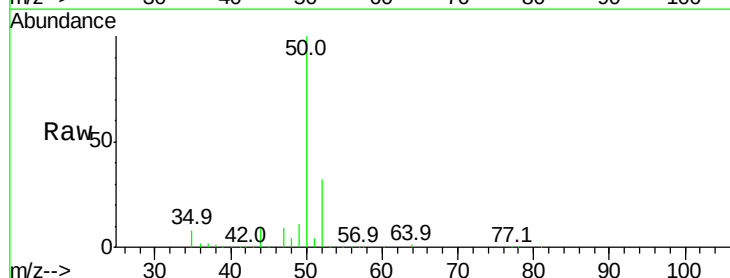
Acq: 30 May 2019 13:26

Tgt Ion: 50 Resp: 138729

Ion Ratio Lower Upper

50 100

52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

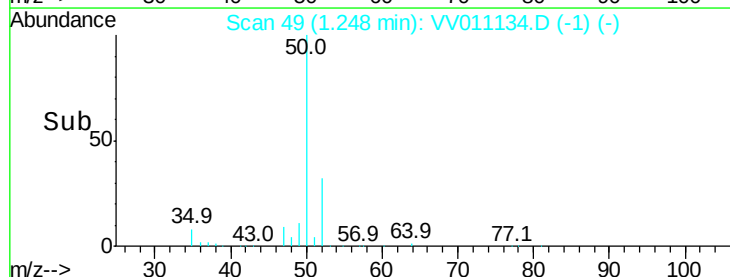
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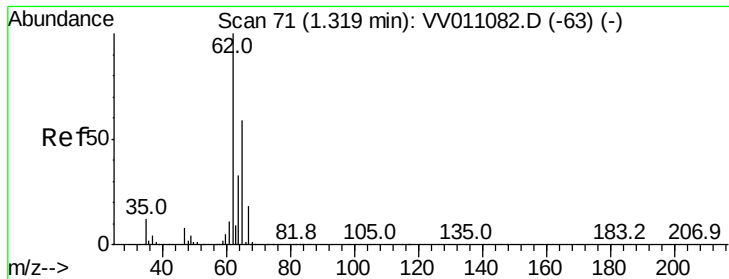
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 27.833 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

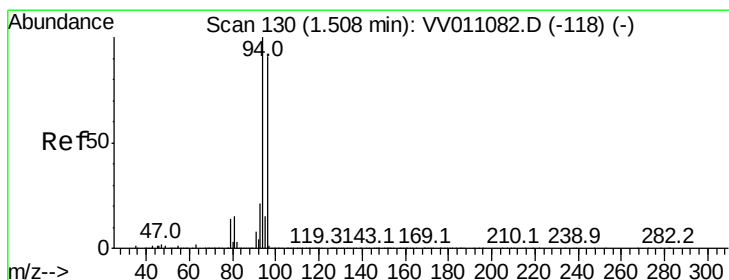
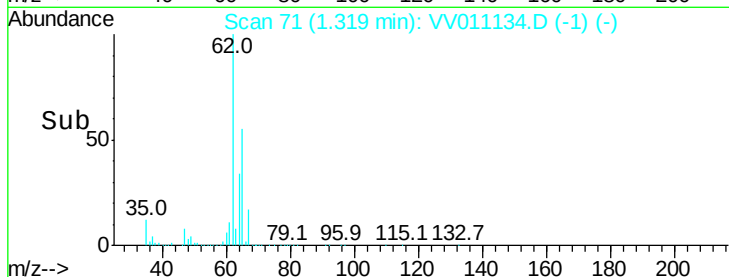
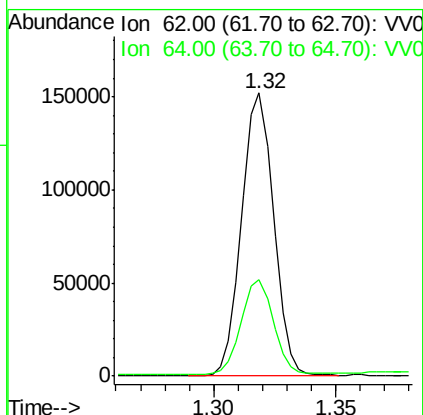
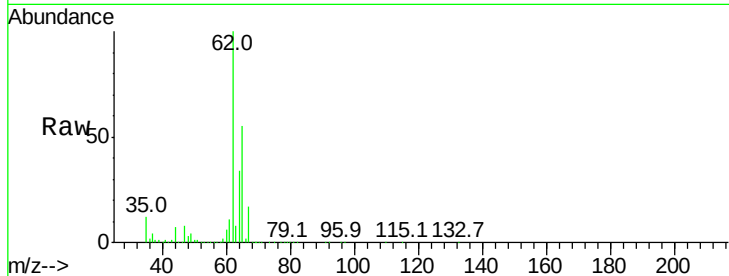
VSTD02569

Tgt Ion: 62 Resp: 138400

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.6



#6

Bromomethane

Concen: 34.169 ug/L

RT: 1.51 min Scan# 130

Delta R.T. 0.00 min

Lab File: VV011134.D

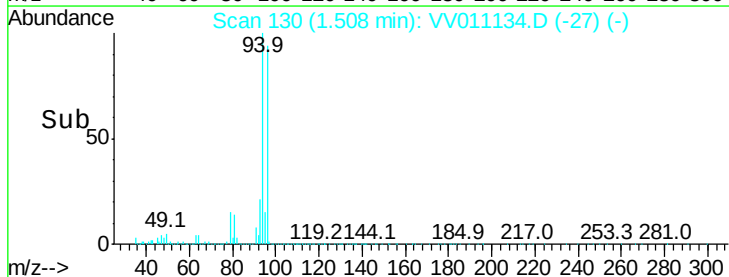
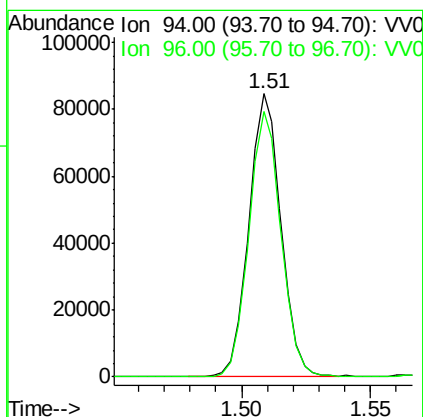
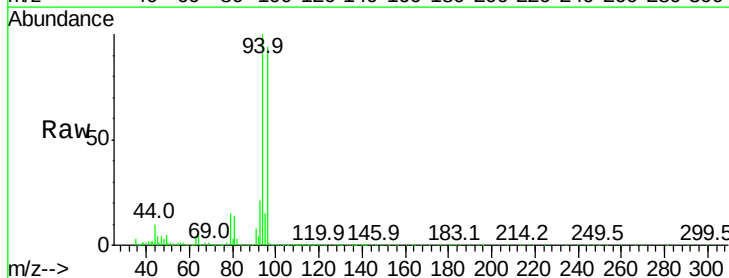
Acq: 30 May 2019 13:26

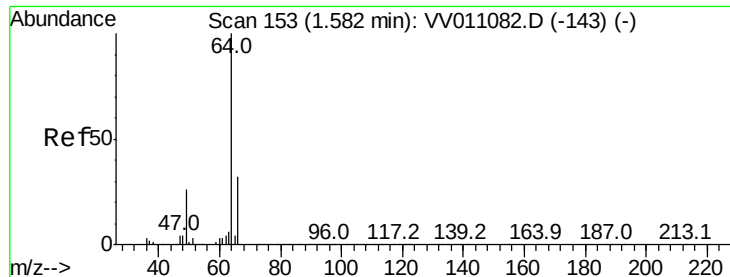
Tgt Ion: 94 Resp: 73225

Ion Ratio Lower Upper

94 100

96 94.5 9.5 179.7





#8

Chloroethane

Concen: 29.880 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

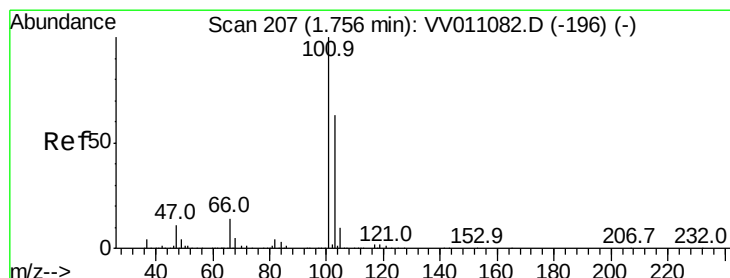
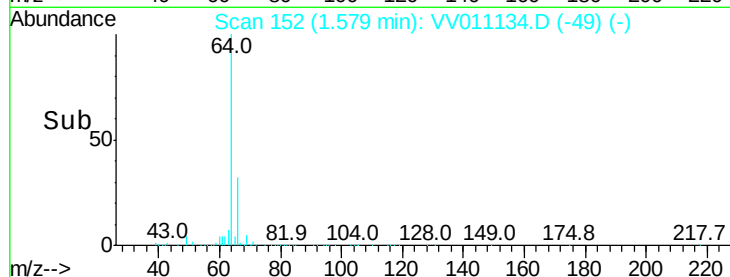
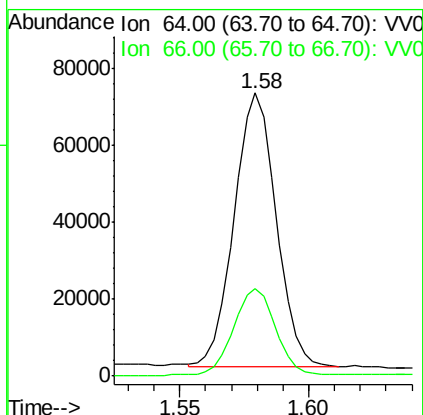
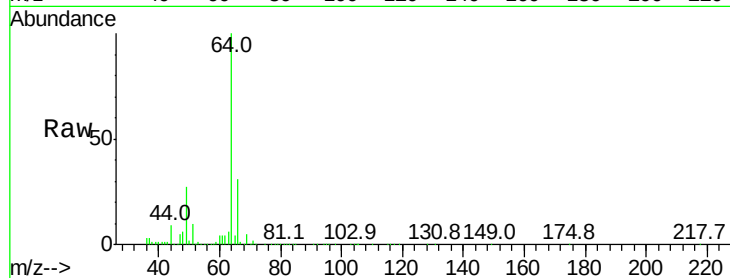
VSTD02569

Tgt Ion: 64 Resp: 80600

Ion Ratio Lower Upper

64 100

66 31.0 21.7 40.3



#9

Trichlorofluoromethane

Concen: 30.373 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV011134.D

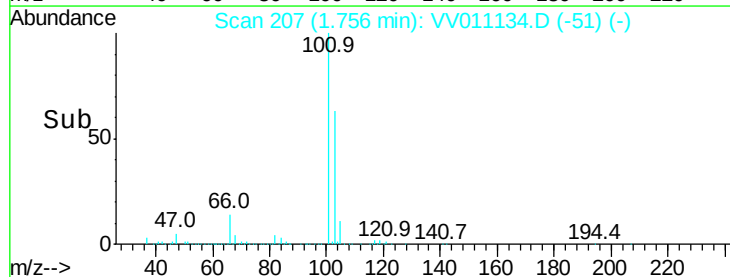
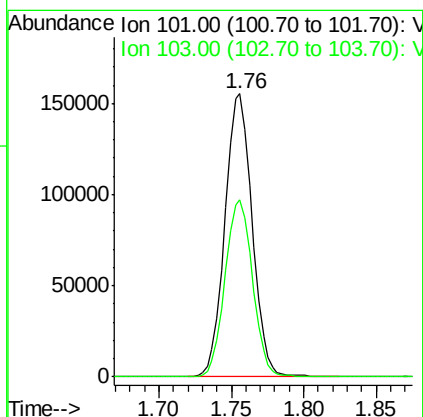
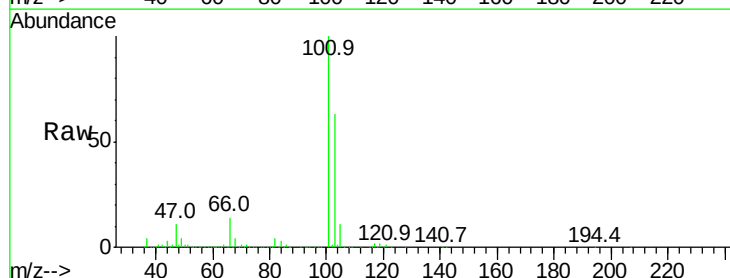
Acq: 30 May 2019 13:26

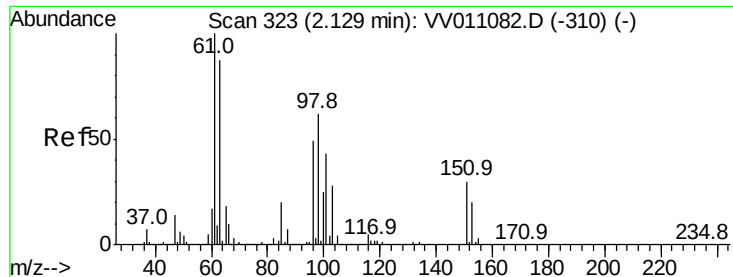
Tgt Ion: 101 Resp: 202293

Ion Ratio Lower Upper

101 100

103 63.4 44.4 82.4





#11

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

Concen: 28.710 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

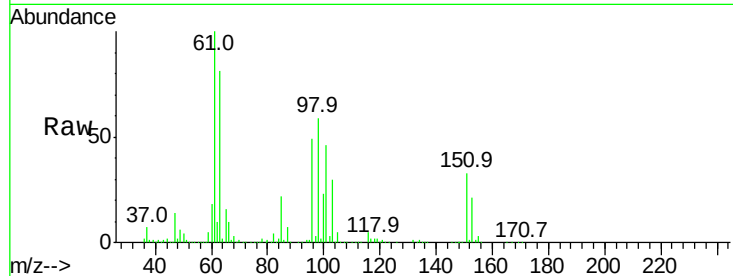
Tgt Ion: 101 Resp: 102613

Ion Ratio Lower Upper

101 100

85 46.8 36.1 54.1

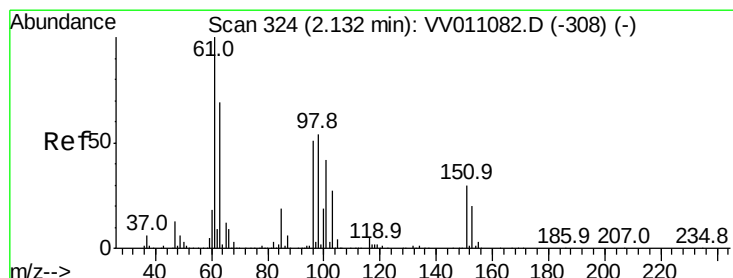
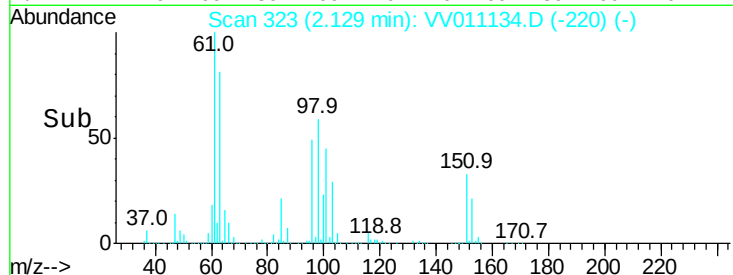
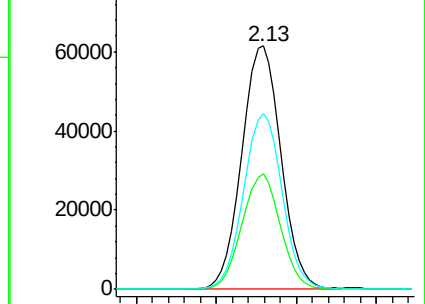
151 71.4 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 28.470 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

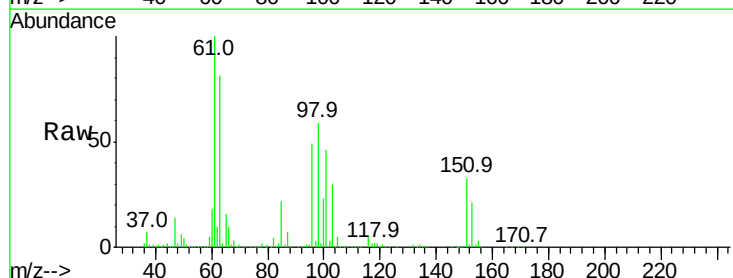
Tgt Ion: 96 Resp: 95745

Ion Ratio Lower Upper

96 100

61 202.3 134.1 249.1

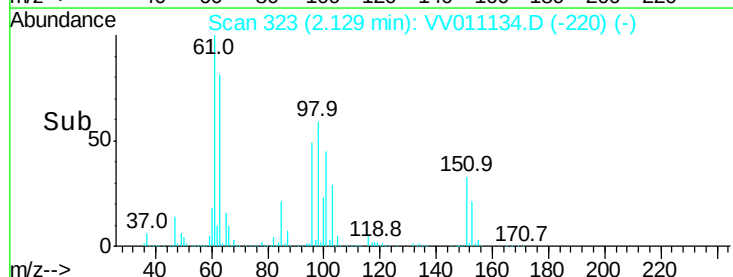
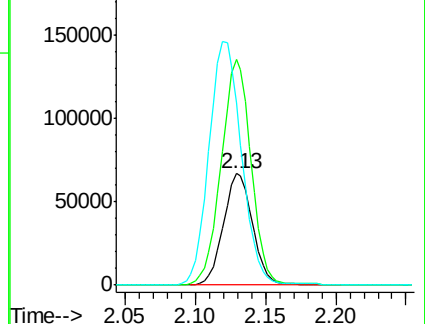
63 163.4 98.1 182.3

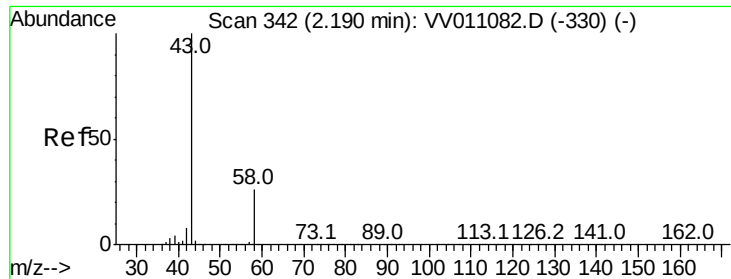


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 59.541 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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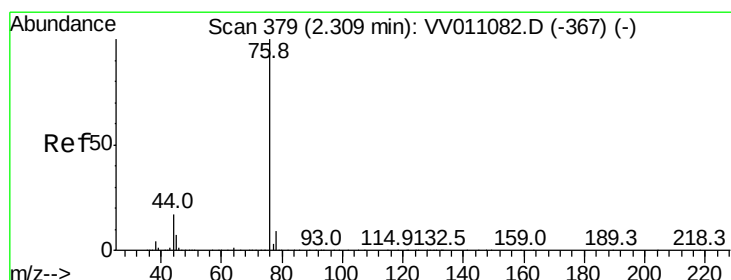
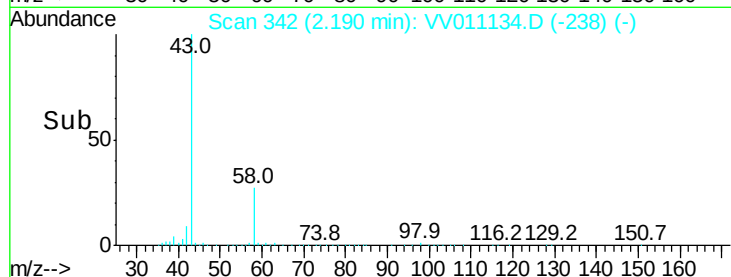
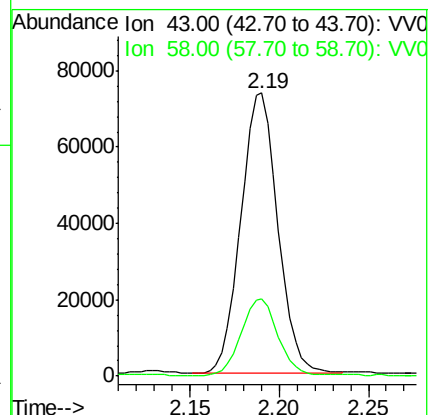
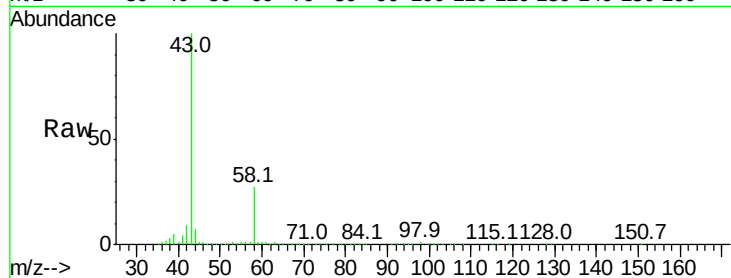
VSTD02569

Tgt Ion: 43 Resp: 106766

Ion Ratio Lower Upper

43 100

58 26.9 0.0 54.8



#14

Carbon disulfide

Concen: 27.689 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV011134.D

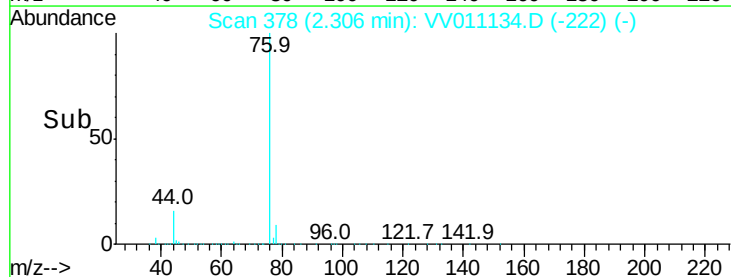
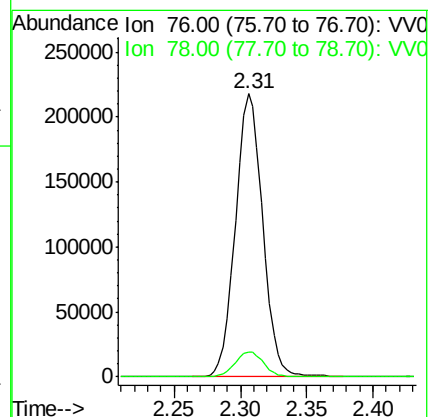
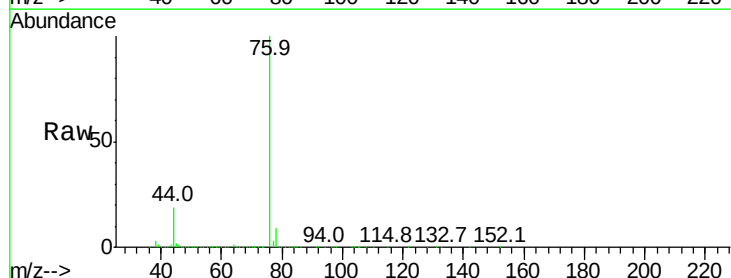
Acq: 30 May 2019 13:26

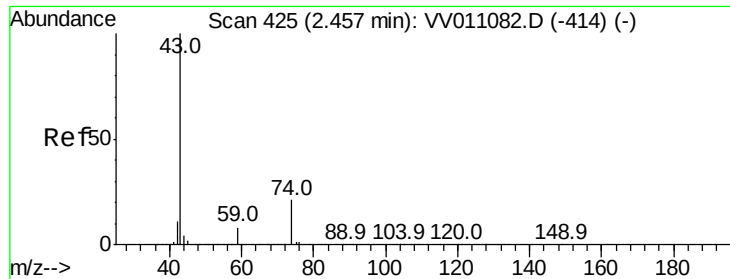
Tgt Ion: 76 Resp: 311500

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

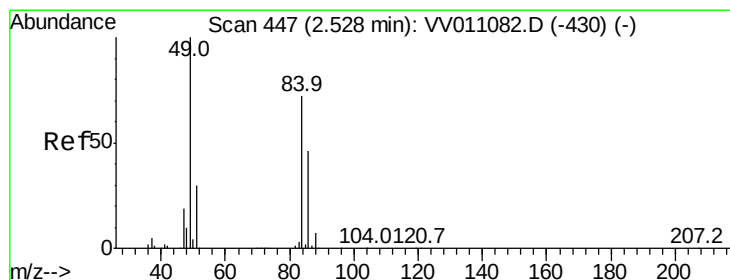
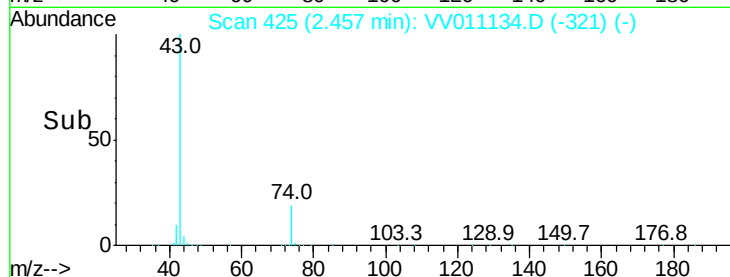
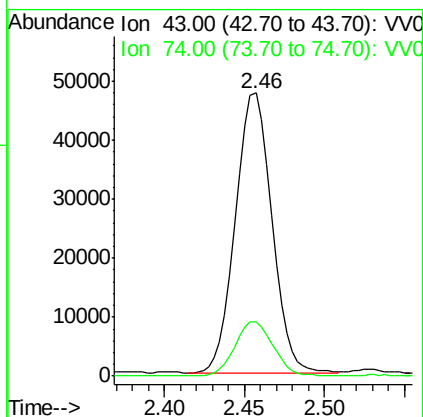
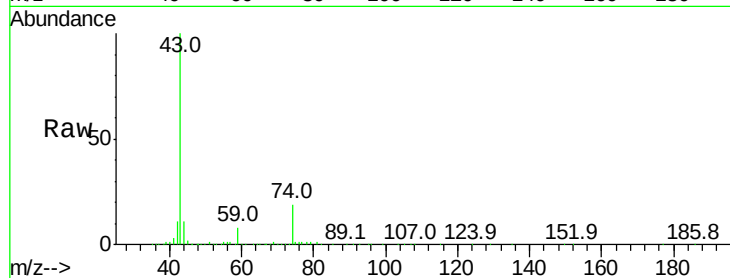




#15
Methyl Acetate
Concen: 28.605 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV011134.D
Acq: 30 May 2019 13:26

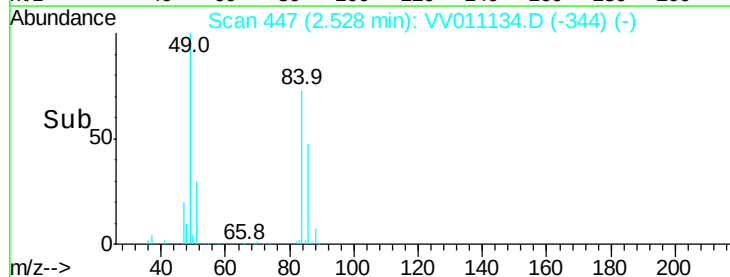
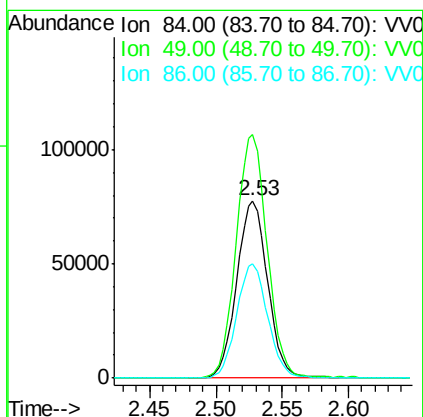
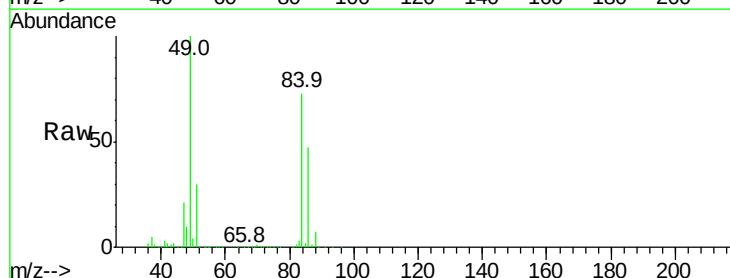
Instrument :
MSVOA_V
ClientSampled :
VSTD02569

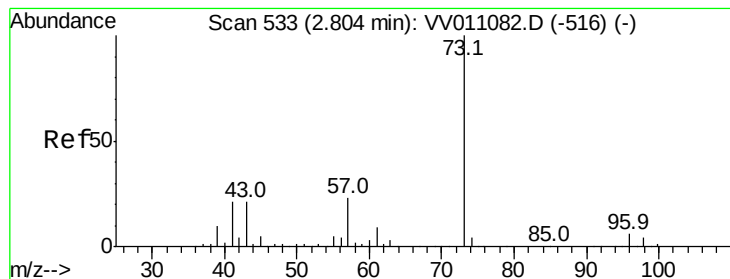
Tgt Ion: 43 Resp: 74036
Ion Ratio Lower Upper
43 100
74 20.3 0.0 0.0#



#16
Methylene chloride
Concen: 25.475 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011134.D
Acq: 30 May 2019 13:26

Tgt Ion: 84 Resp: 124753
Ion Ratio Lower Upper
84 100
49 137.3 98.0 182.0
86 64.3 45.4 84.4





#17

Methyl tert-butyl Ether

Concen: 26.590 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

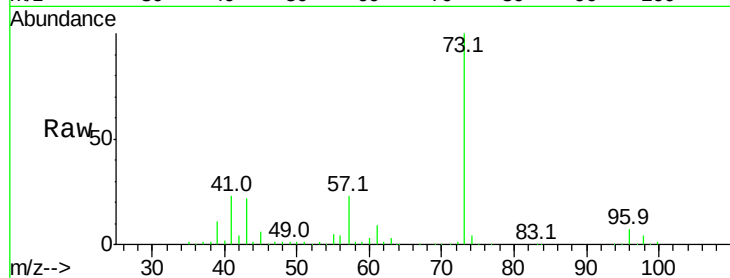
Tgt Ion: 73 Resp: 334963

Ion Ratio Lower Upper

73 100

43 21.9 17.2 25.8

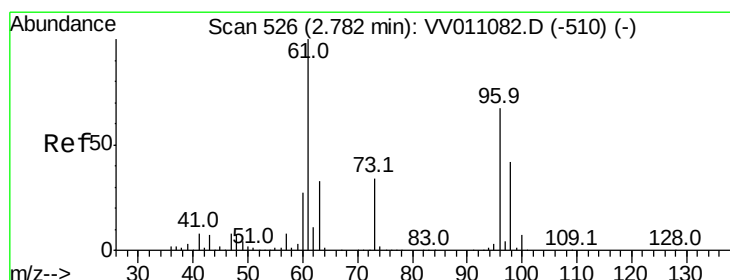
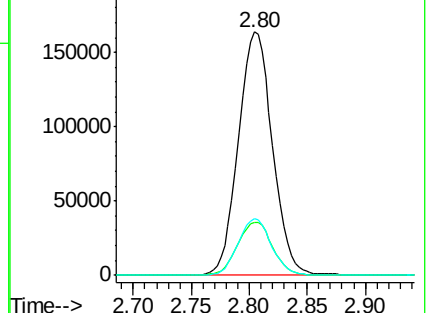
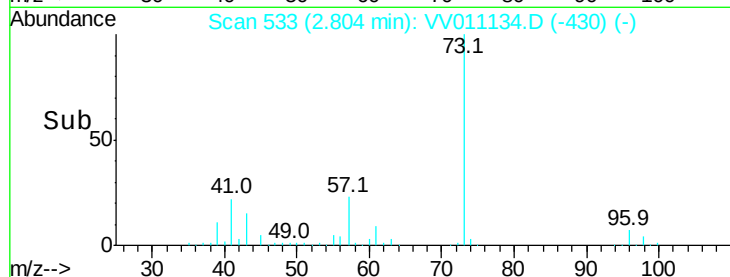
57 22.8 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 25.571 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

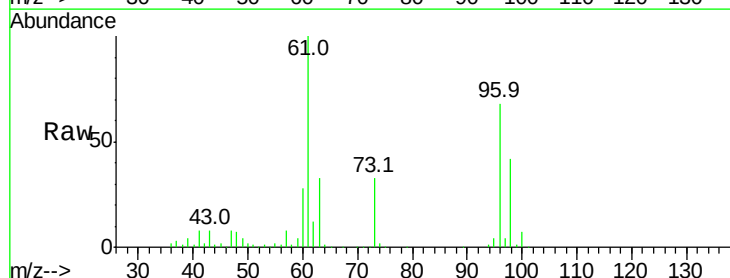
Tgt Ion: 96 Resp: 117635

Ion Ratio Lower Upper

96 100

61 146.5 106.5 197.9

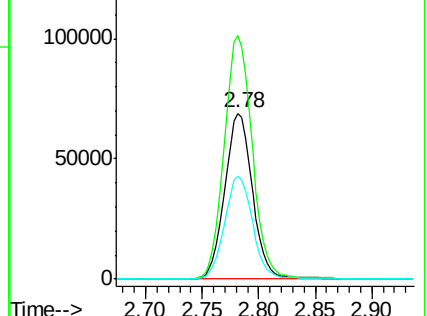
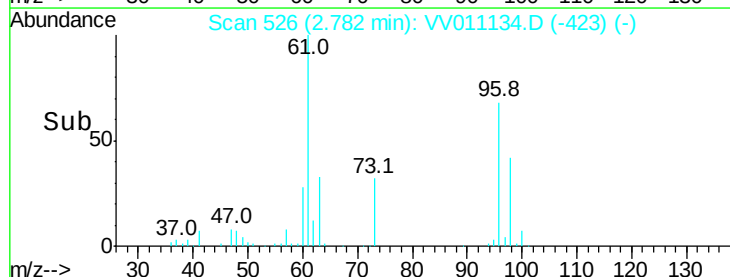
98 61.8 44.0 81.8

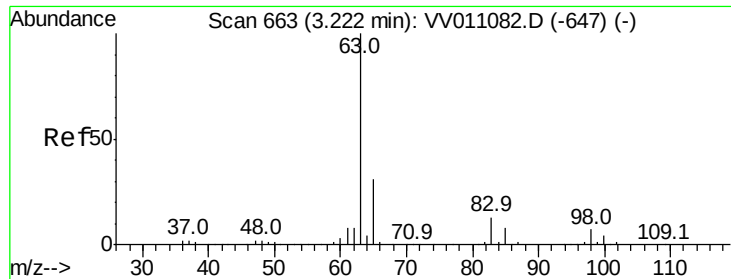


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

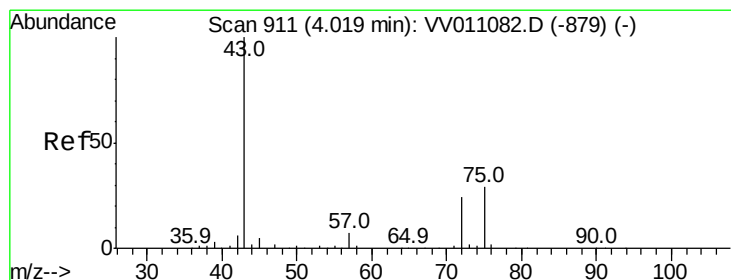
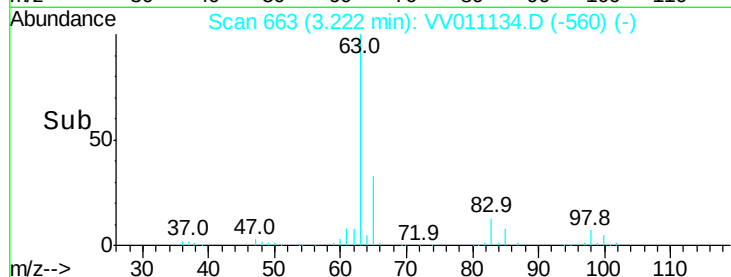
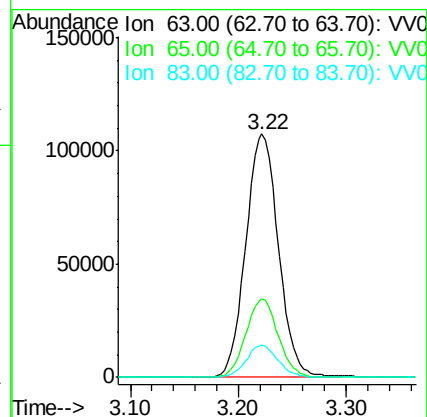
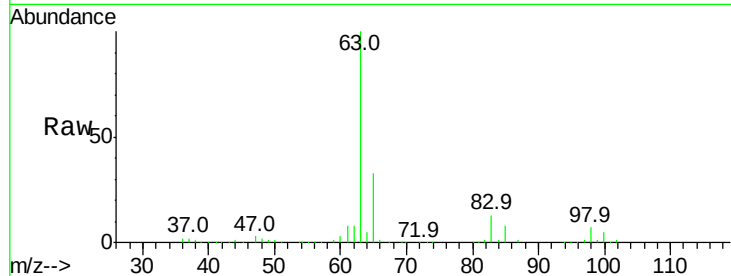




#19
 1,1-Dichloroethane
 Concen: 25.325 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

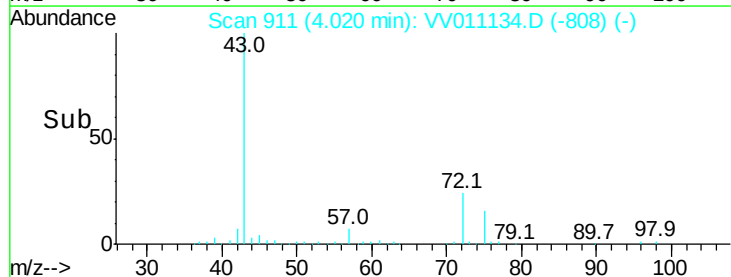
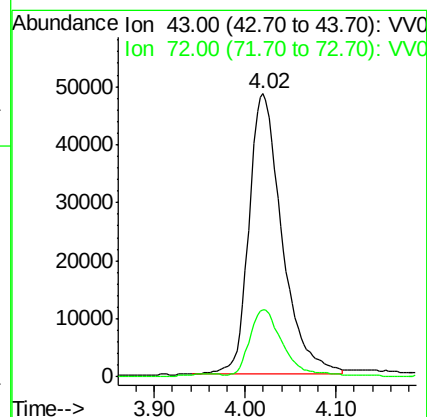
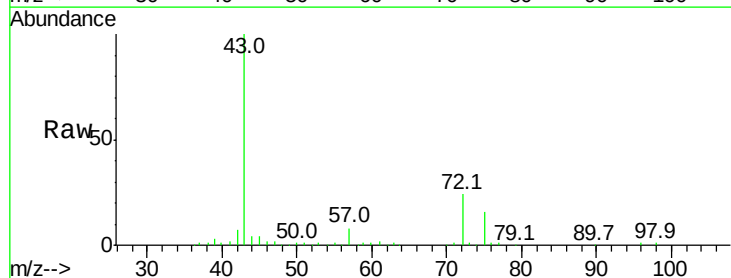
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

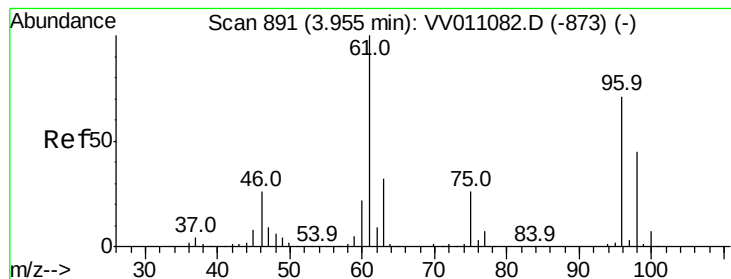
Tgt Ion: 63 Resp: 226497
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.4 41.6
 83 13.1 9.2 17.2



#21
 2-Butanone
 Concen: 55.210 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

Tgt Ion: 43 Resp: 121919
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.7 31.9



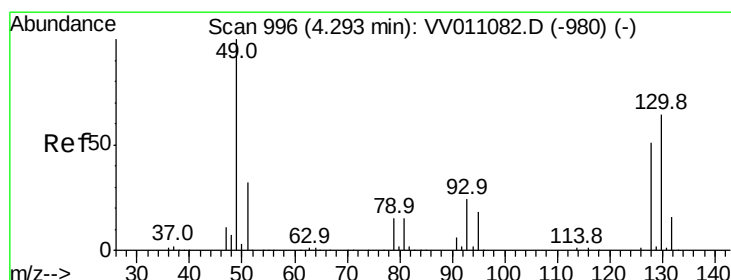
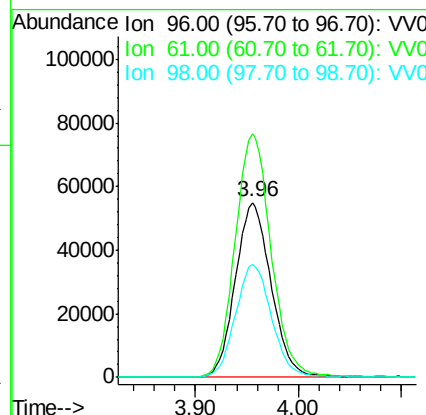
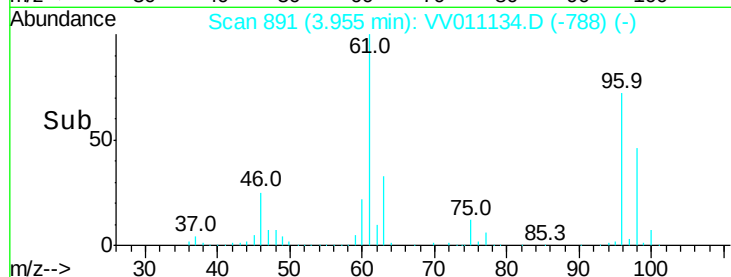
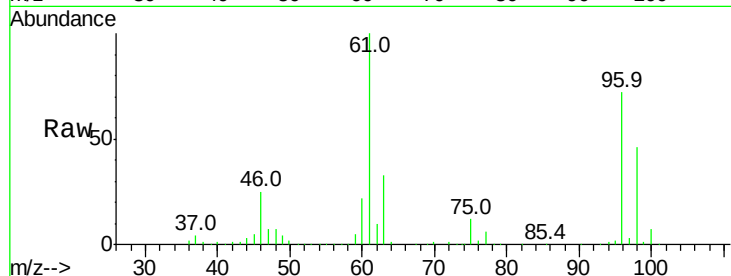


#22

cis-1,2-Dichloroethene
 Concen: 25.629 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

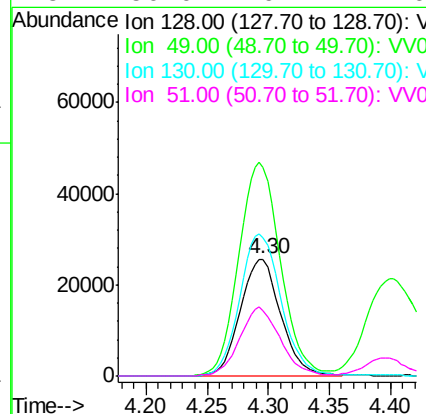
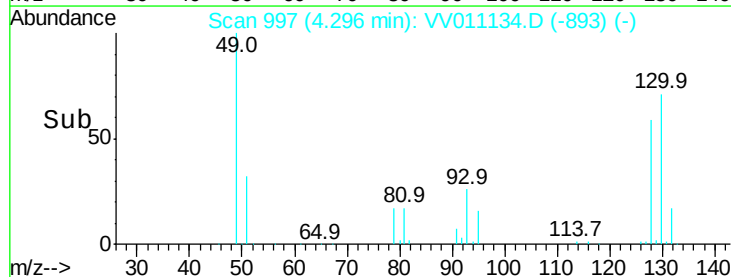
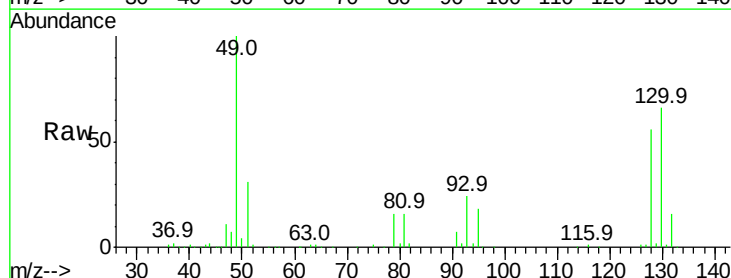
Tgt Ion: 96 Resp: 132800
 Ion Ratio Lower Upper
 96 100
 61 139.2 97.4 180.8
 98 64.3 44.4 82.5

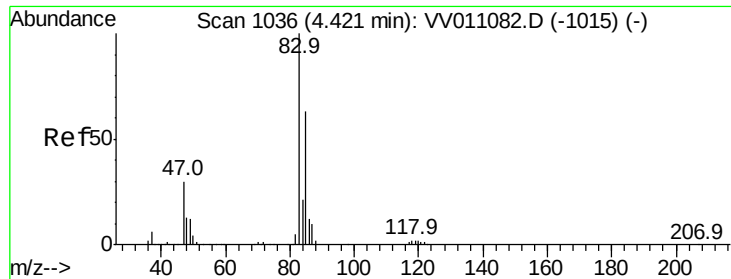


#23

Bromochloromethane
 Concen: 26.844 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

Tgt Ion: 128 Resp: 58919
 Ion Ratio Lower Upper
 128 100
 49 179.2 140.6 261.0
 130 119.0 87.2 162.0
 51 56.0 49.4 74.0





#25

Chloroform

Concen: 25.627 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

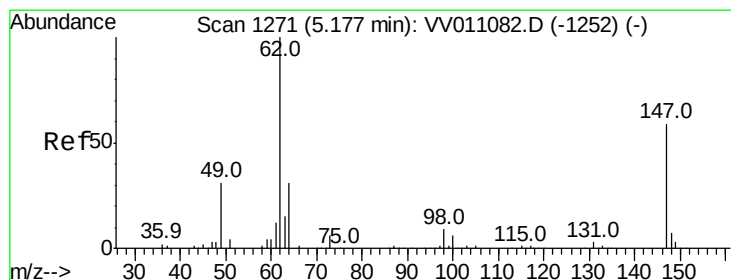
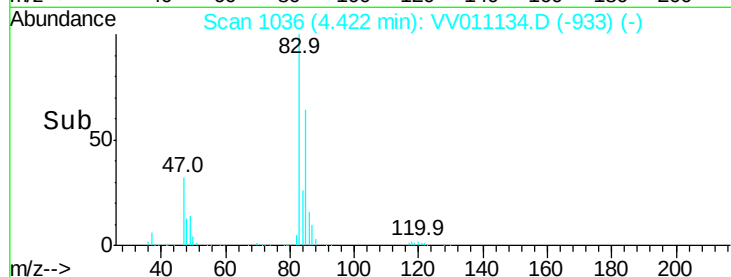
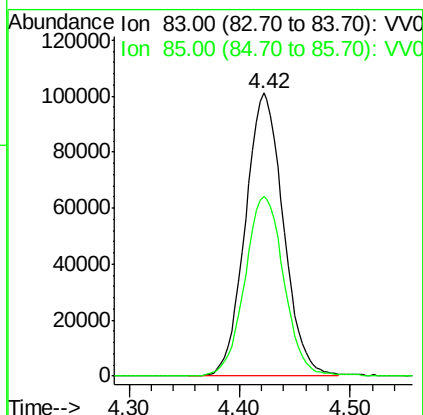
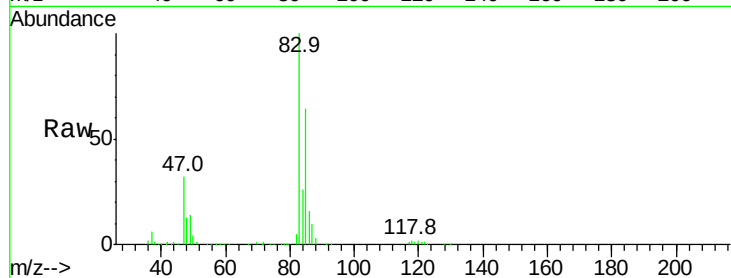
VSTD02569

Tgt Ion: 83 Resp: 242034

Ion Ratio Lower Upper

83 100

85 65.1 46.2 85.8



#27

1,2-Dichloroethane

Concen: 28.120 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV011134.D

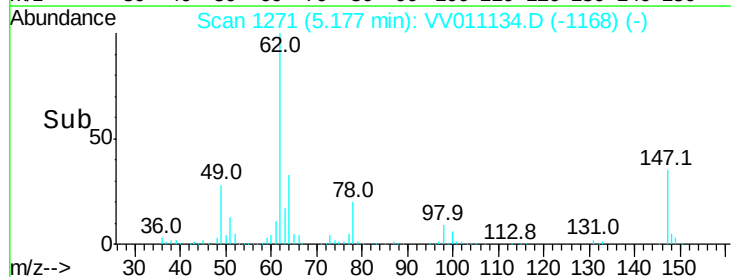
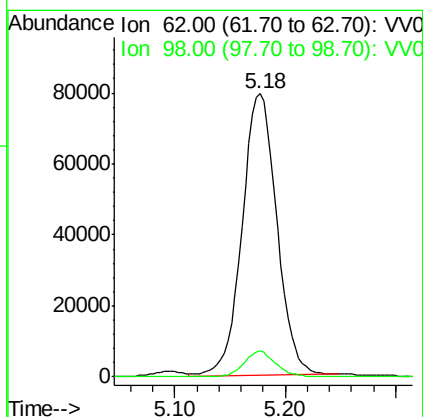
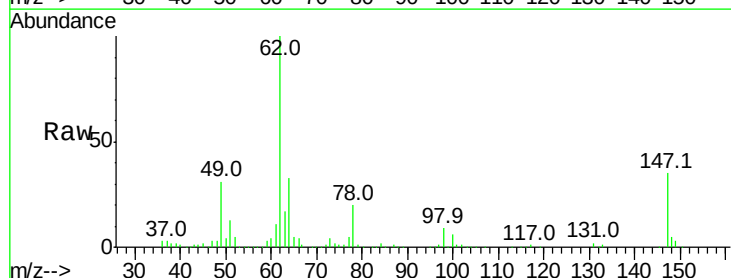
Acq: 30 May 2019 13:26

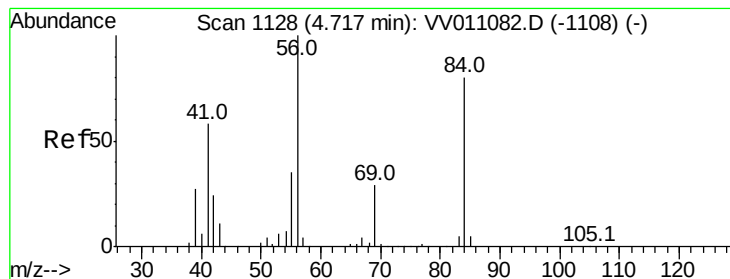
Tgt Ion: 62 Resp: 173031

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.0





#30

Cyclohexane

Concen: 23.591 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

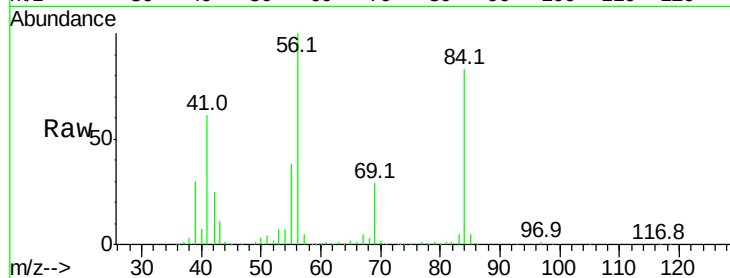
Tgt Ion: 56 Resp: 218961

Ion Ratio Lower Upper

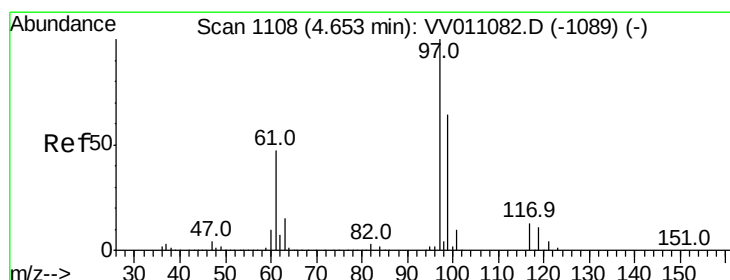
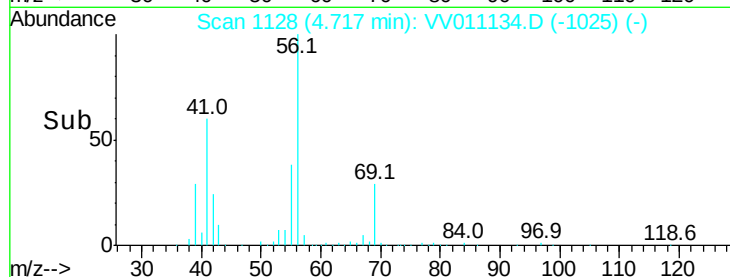
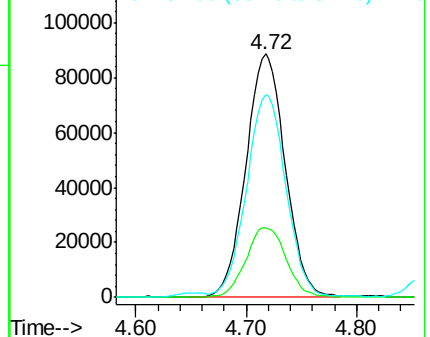
56 100

69 29.2 23.2 34.8

84 82.3 63.2 94.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 26.240 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

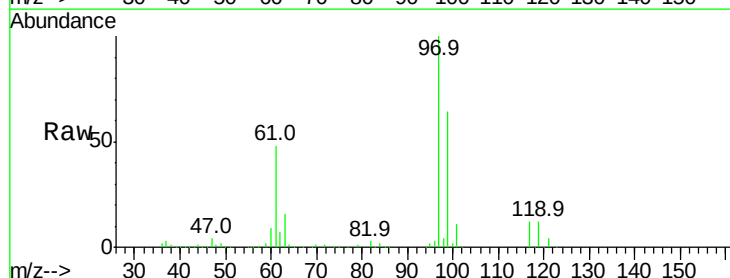
Tgt Ion: 97 Resp: 191442

Ion Ratio Lower Upper

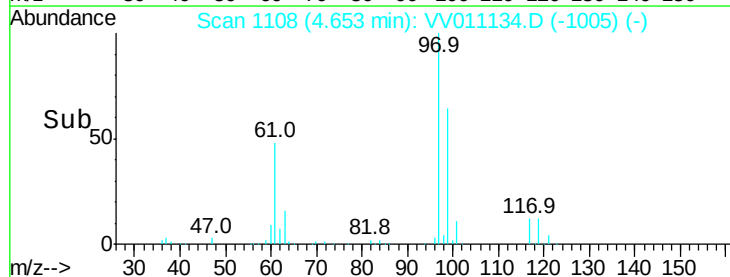
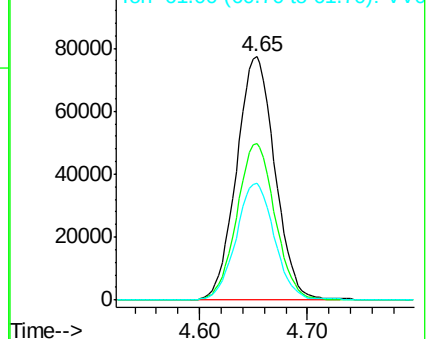
97 100

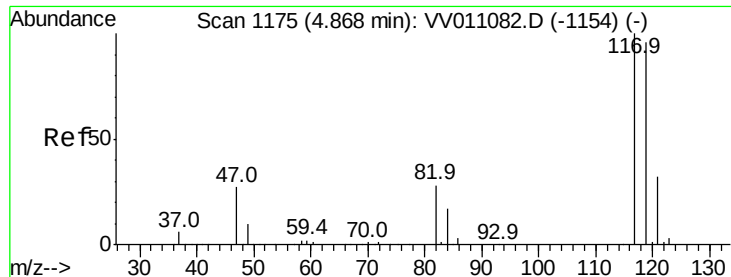
99 64.1 51.5 77.3

61 48.0 38.2 57.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 25.848 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

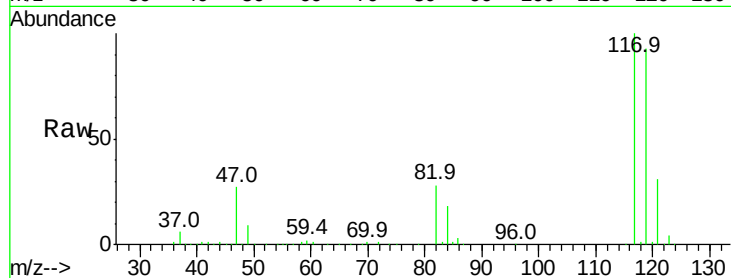
VSTD02569

Tgt Ion:117 Resp: 161514

Ion Ratio Lower Upper

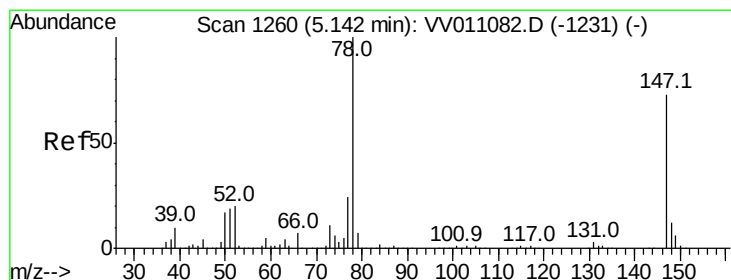
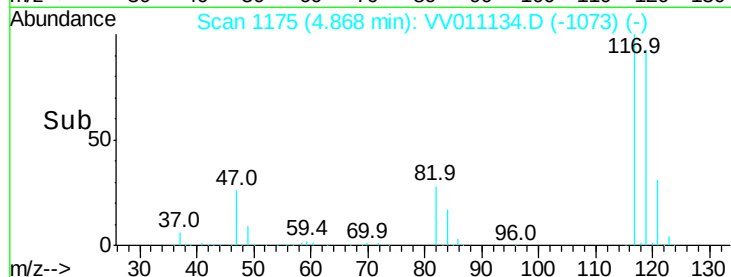
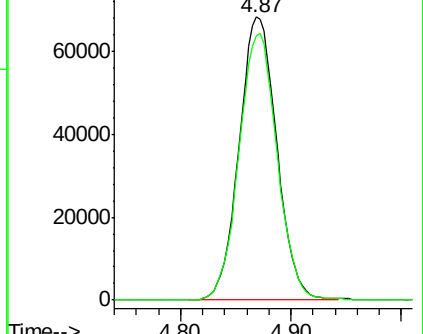
117 100

119 95.4 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: 25.727 ug/L

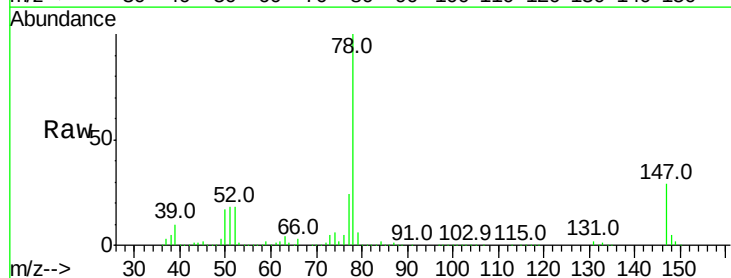
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

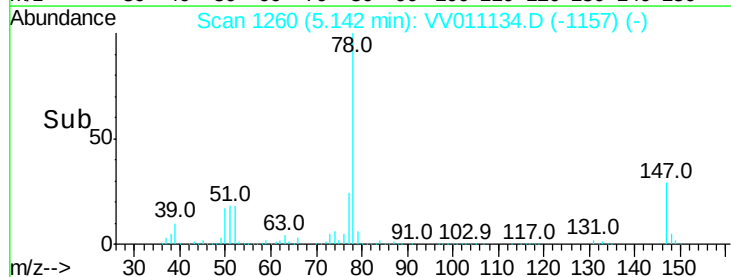
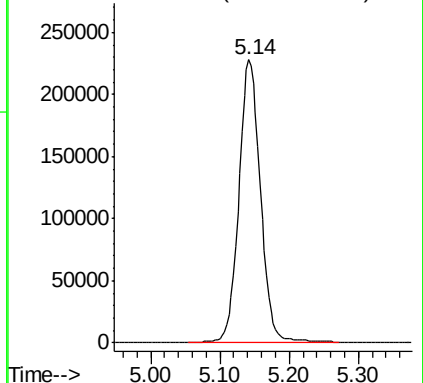
Lab File: VV011134.D

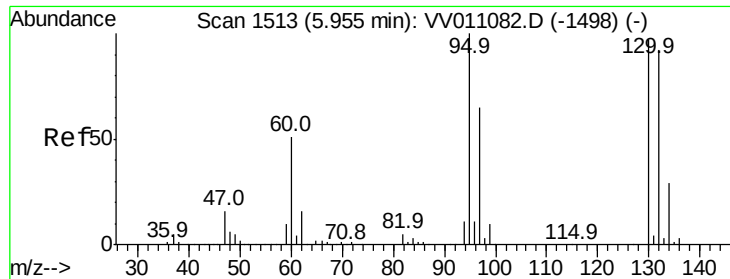
Acq: 30 May 2019 13:26

Tgt Ion: 78 Resp: 498494



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.604 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

Tgt Ion: 95 Resp: 129570

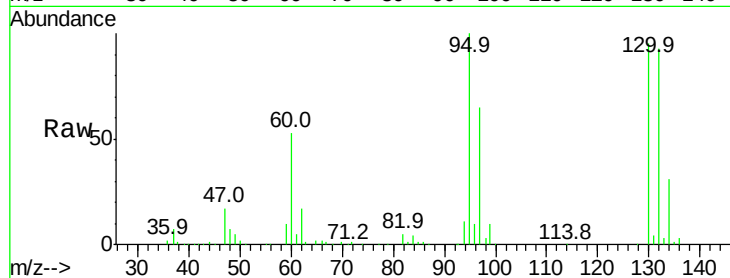
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.4

132 94.3 66.1 122.8

130 96.3 68.9 127.9

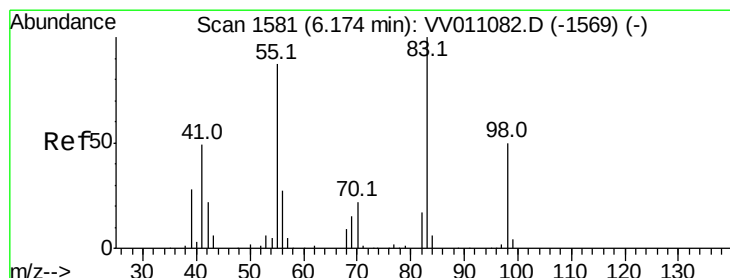
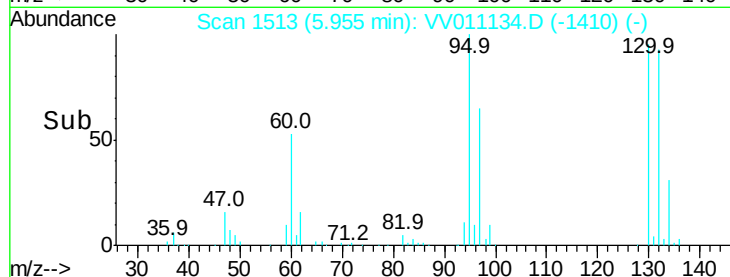
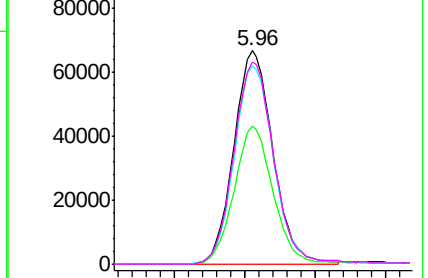


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.726 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

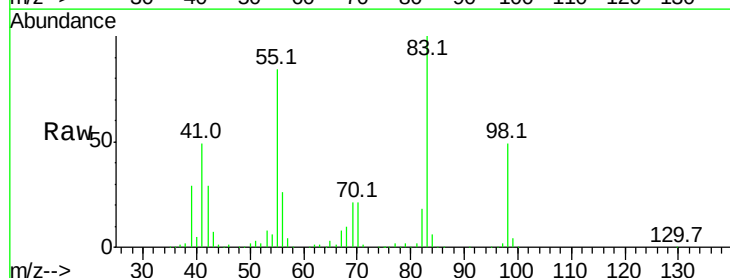
Tgt Ion: 83 Resp: 215908

Ion Ratio Lower Upper

83 100

55 83.0 69.9 104.9

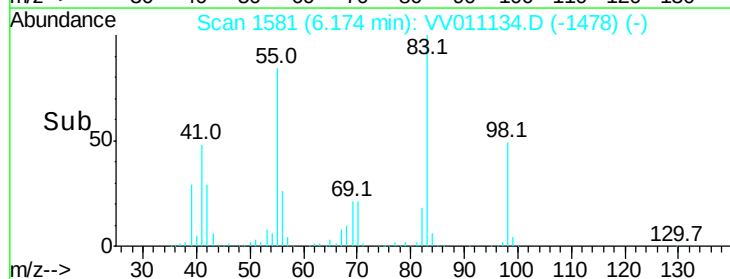
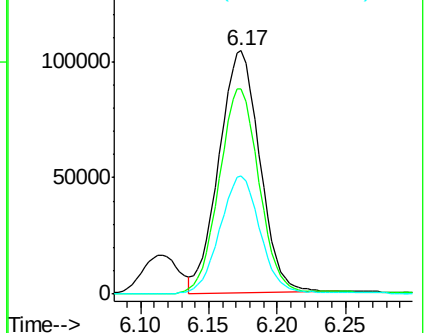
98 47.4 40.0 60.0

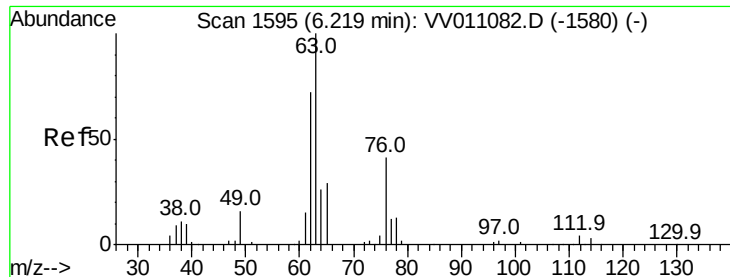


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 24.443 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

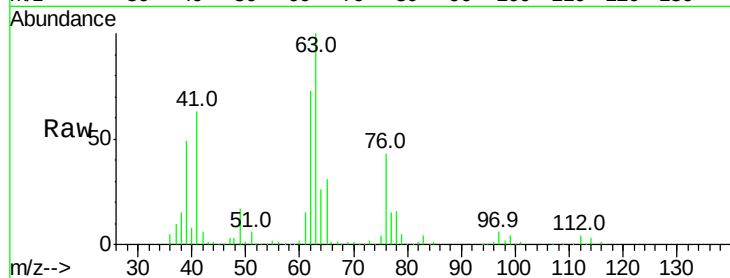
VSTD02569

Tgt Ion: 63 Resp: 126219

Ion Ratio Lower Upper

63 100

112 4.5 3.3 4.9

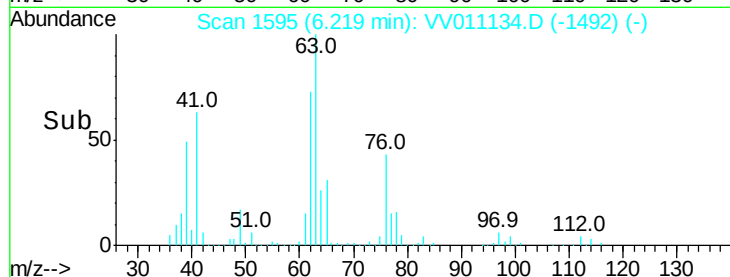


Abundance Ion 63.00 (62.70 to 63.70): VV011134.D (-1596) (-)

Ion 112.00 (111.70 to 112.70): VV011134.D (-1596) (-)

6.22

Time-->



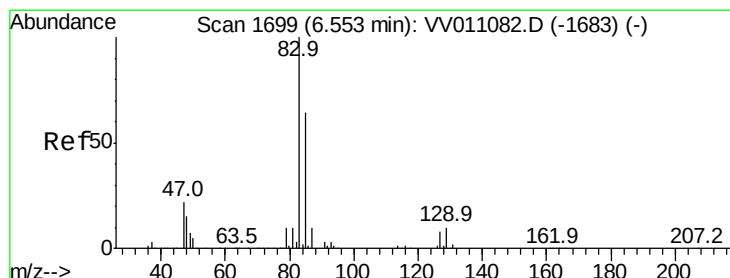
Abundance

Ion 63.00 (62.70 to 63.70): VV011134.D (-1596) (-)

Ion 112.00 (111.70 to 112.70): VV011134.D (-1596) (-)

6.22

Time-->



#41

Bromodichloromethane

Concen: 25.945 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

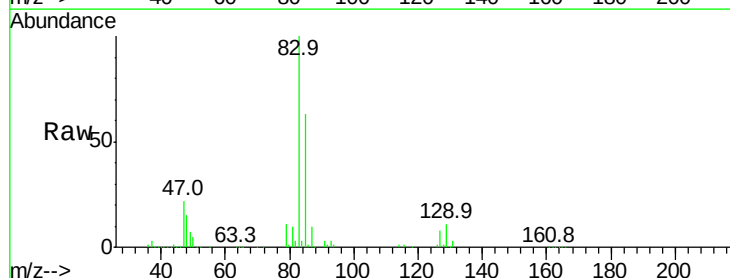
Tgt Ion: 83 Resp: 169844

Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.4

127 7.9 6.2 9.4



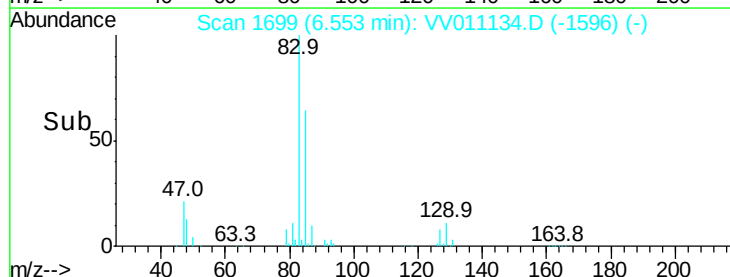
Abundance Ion 83.00 (82.70 to 83.70): VV011134.D (-1696) (-)

Ion 85.00 (84.70 to 85.70): VV011134.D (-1696) (-)

Ion 127.00 (126.70 to 127.70): VV011134.D (-1696) (-)

6.55

Time-->



Abundance

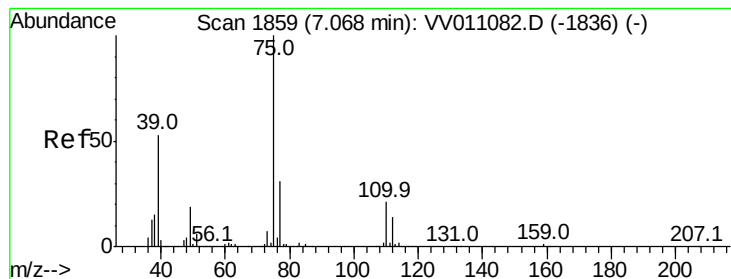
Ion 83.00 (82.70 to 83.70): VV011134.D (-1696) (-)

Ion 85.00 (84.70 to 85.70): VV011134.D (-1696) (-)

Ion 127.00 (126.70 to 127.70): VV011134.D (-1696) (-)

6.55

Time-->



#42

cis-1,3-Dichloropropene

Concen: 25.771 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

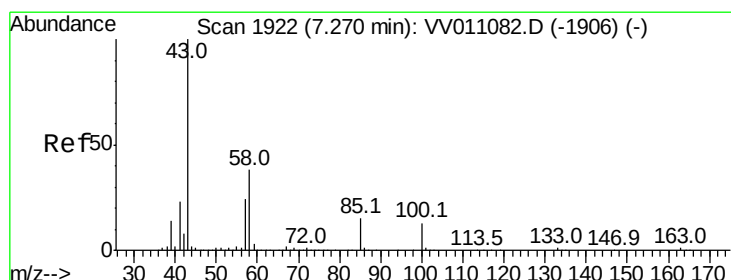
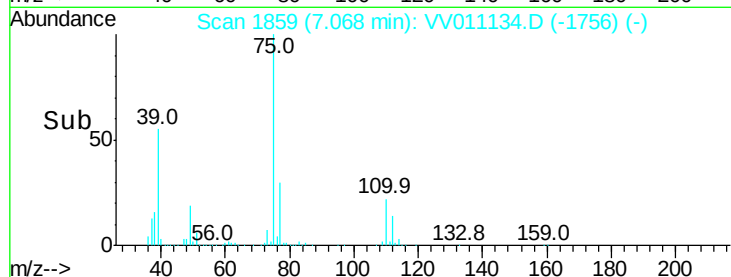
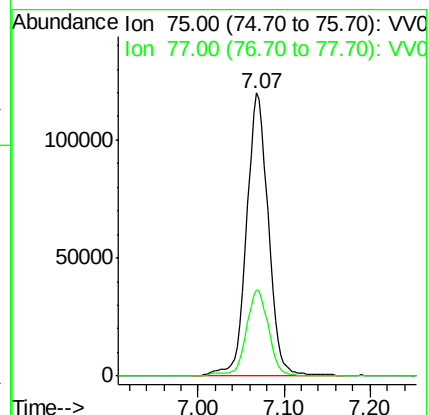
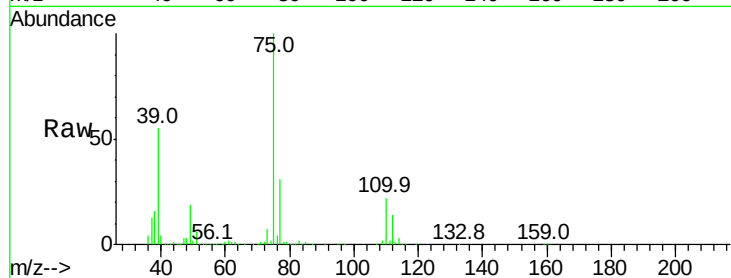
VSTD02569

Tgt Ion: 75 Resp: 212620

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 52.643 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

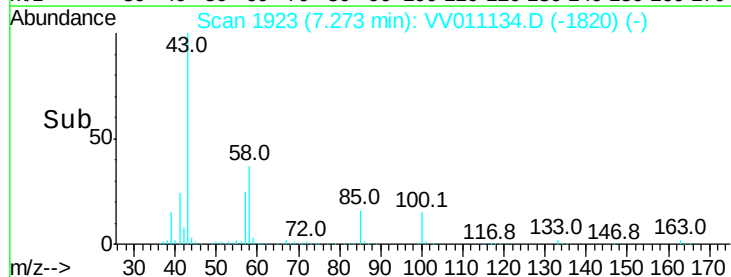
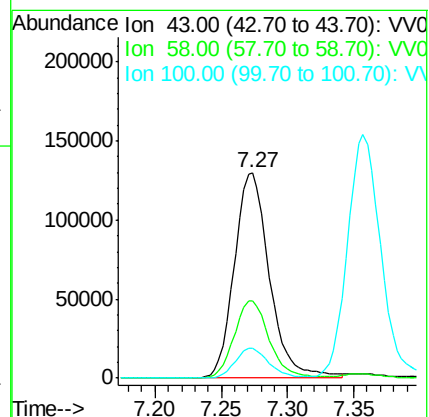
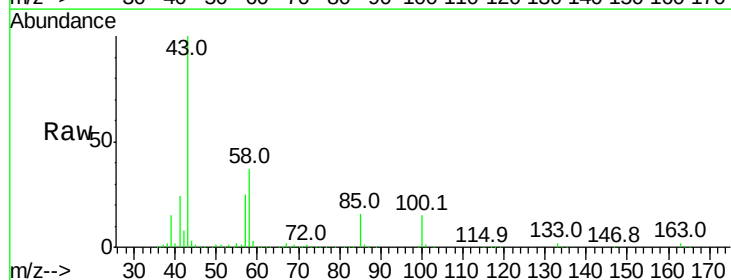
Tgt Ion: 43 Resp: 238401

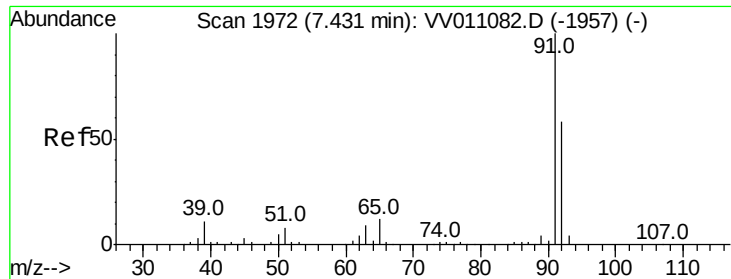
Ion Ratio Lower Upper

43 100

58 37.8 30.3 45.5

100 14.1 10.6 15.8





#44

Toluene

Concen: 25.851 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

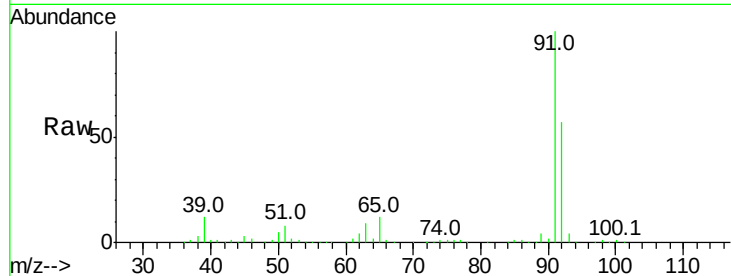
VSTD02569

Tgt Ion: 91 Resp: 544614

Ion Ratio Lower Upper

91 100

92 57.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV011134.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV011134.D (-1957) (-)

7.43

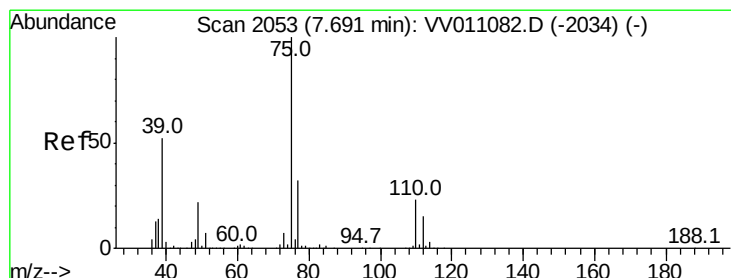
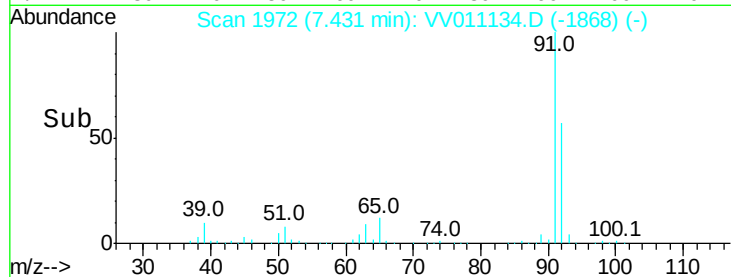
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#45

trans-1,3-Dichloropropene

Concen: 25.657 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011134.D

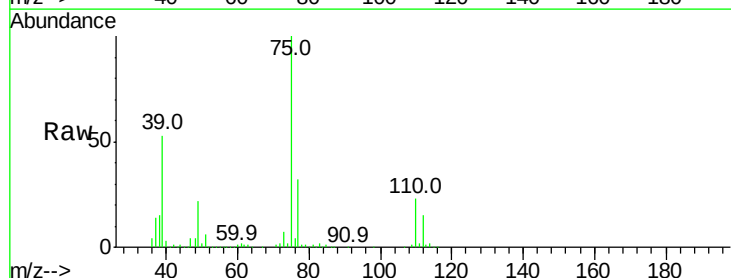
Acq: 30 May 2019 13:26

Tgt Ion: 75 Resp: 180627

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV011134.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV011134.D (-2034) (-)

7.69

120000

100000

80000

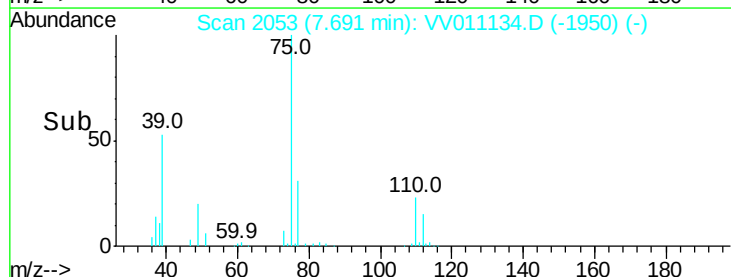
60000

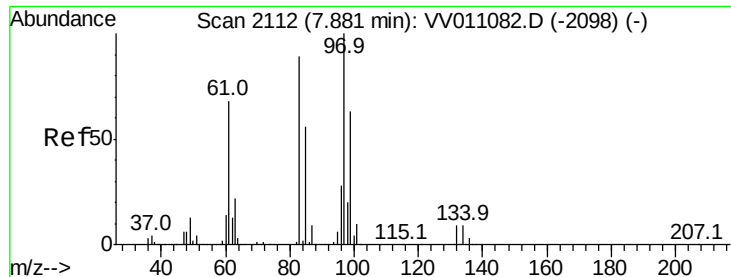
40000

20000

0

Time--> 7.60 7.65 7.70 7.75 7.80

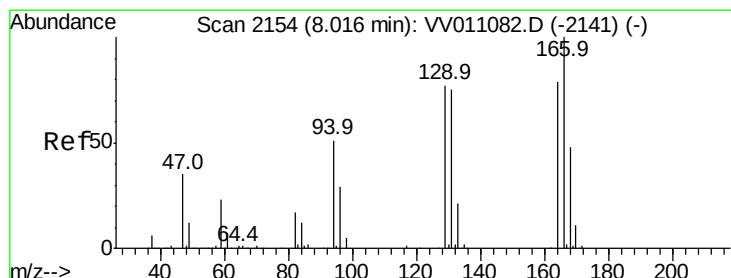
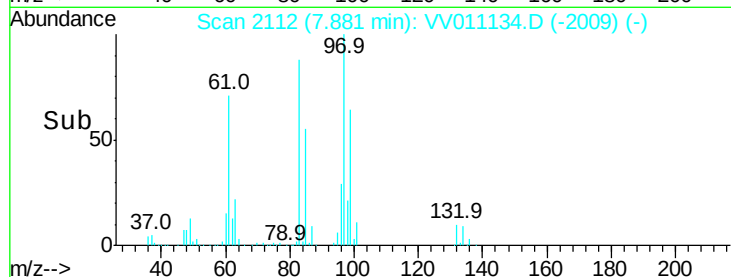
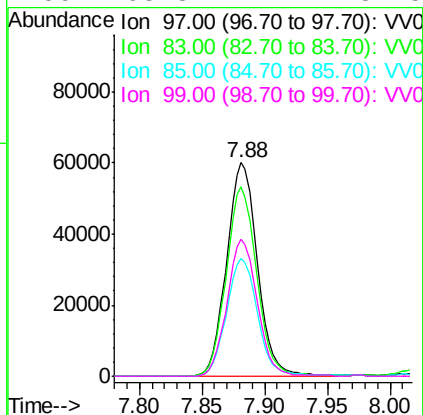
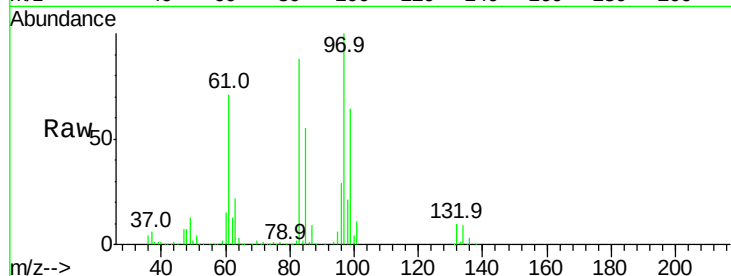




#46
 1,1,2-Trichloroethane
 Concen: 26.803 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

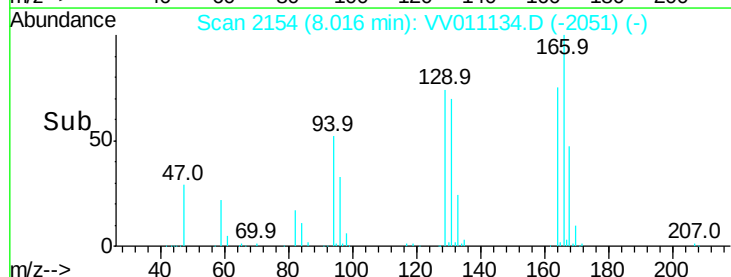
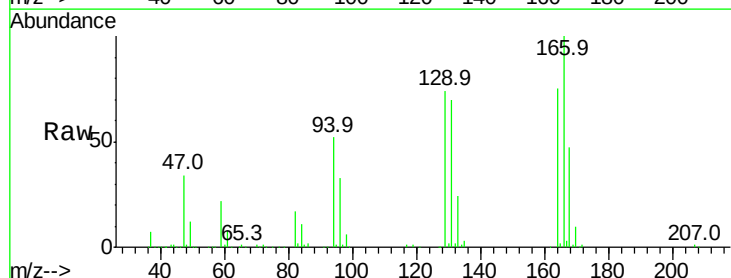
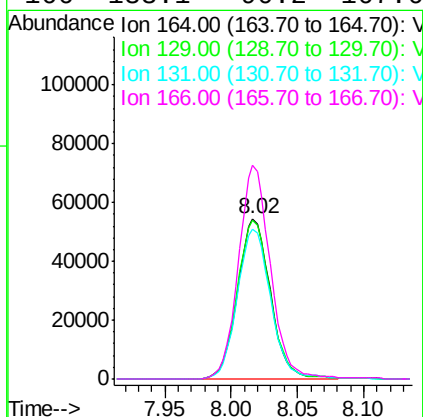
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

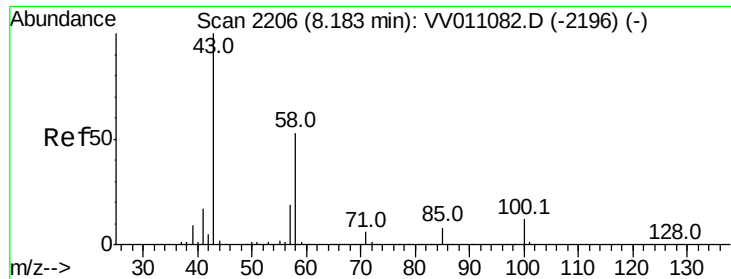
Tgt Ion:	97	Resp:	102577
Ion	Ratio	Lower	Upper
97	100		
83	88.5	63.5	117.9
85	55.2	40.3	74.9
99	63.8	44.4	82.5



#47
 Tetrachloroethene
 Concen: 25.743 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

Tgt Ion:	164	Resp:	93954
Ion	Ratio	Lower	Upper
164	100		
129	98.7	70.7	131.3
131	93.5	66.6	123.8
166	133.1	90.2	167.6

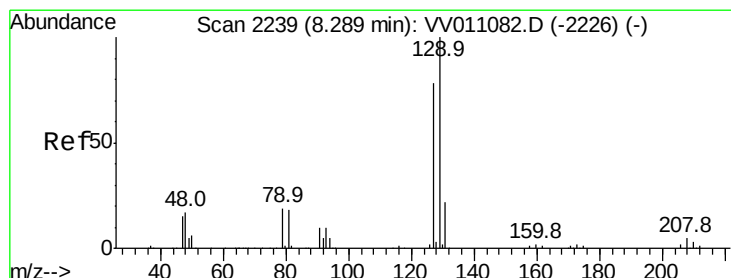
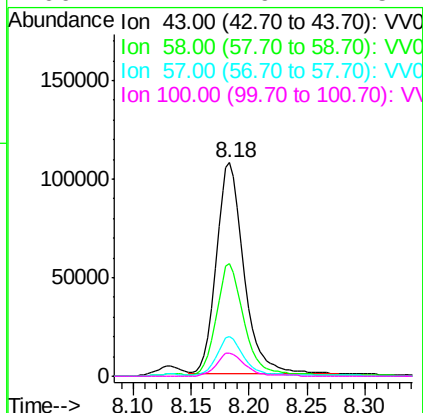
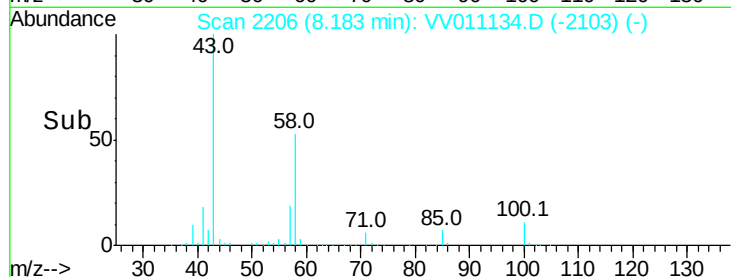
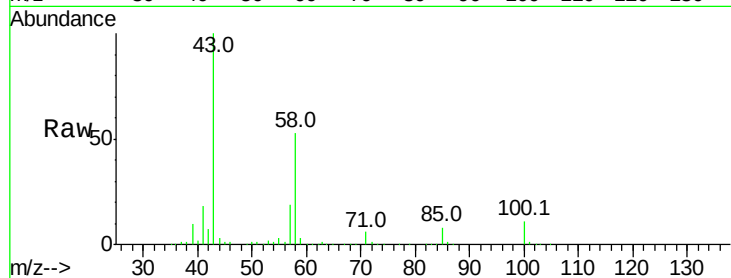




#49
2-Hexanone
Concen: 53.428 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011134.D
Acq: 30 May 2019 13:26

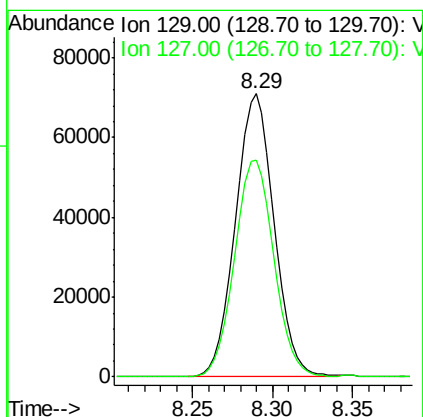
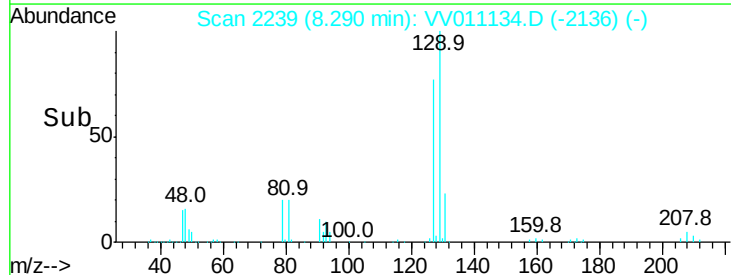
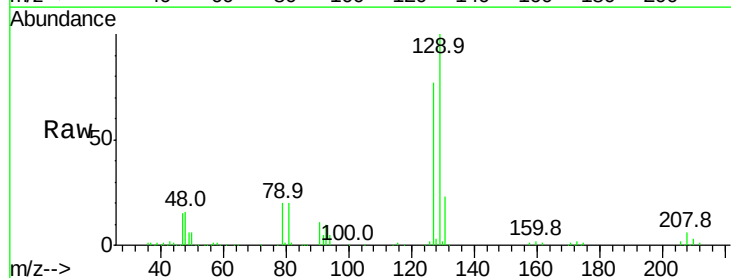
Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

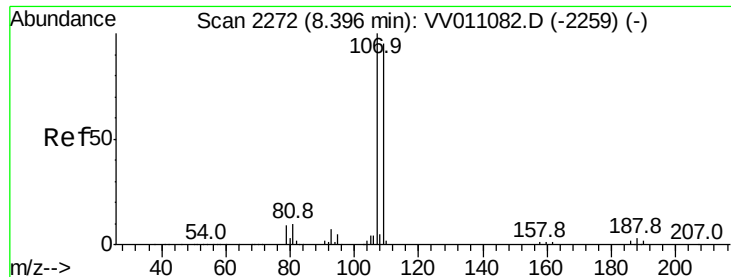
Tgt Ion: 43 Resp: 178439
Ion Ratio Lower Upper
43 100
58 51.5 43.5 65.3
57 17.9 13.7 20.5
100 11.4 9.1 13.7



#50
Dibromochloromethane
Concen: 26.350 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011134.D
Acq: 30 May 2019 13:26

Tgt Ion: 129 Resp: 116841
Ion Ratio Lower Upper
129 100
127 76.8 54.6 101.4





#51

1,2-Dibromoethane

Concen: 27.145 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

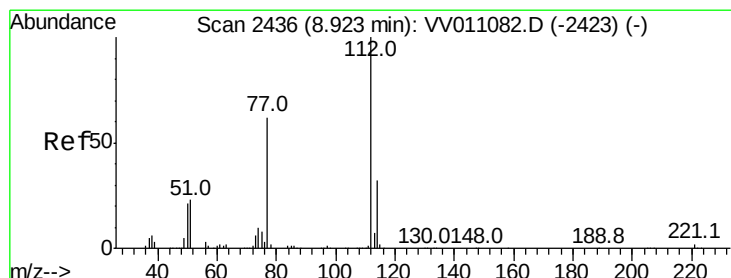
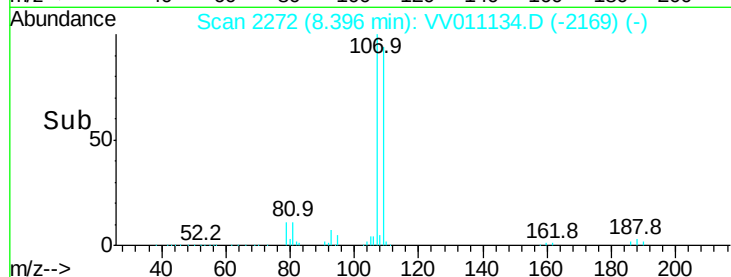
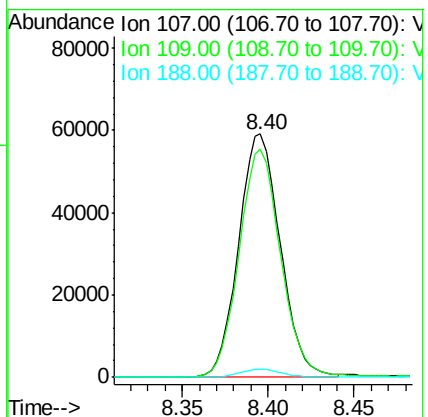
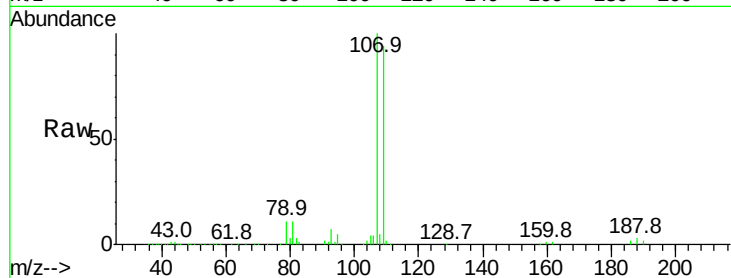
Tgt Ion:107 Resp: 99413

Ion Ratio Lower Upper

107 100

109 93.6 65.7 122.1

188 3.2 2.6 3.8



#52

Chlorobenzene

Concen: 26.178 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

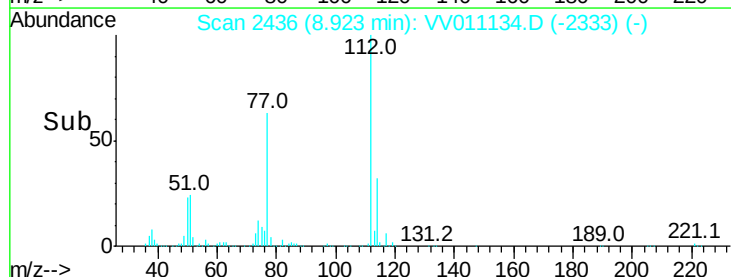
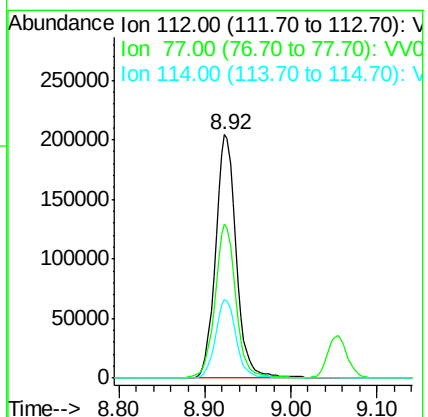
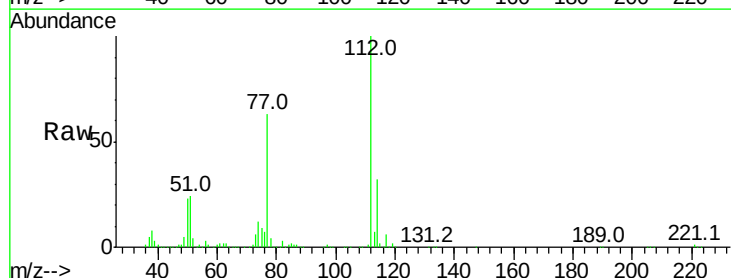
Tgt Ion:112 Resp: 341779

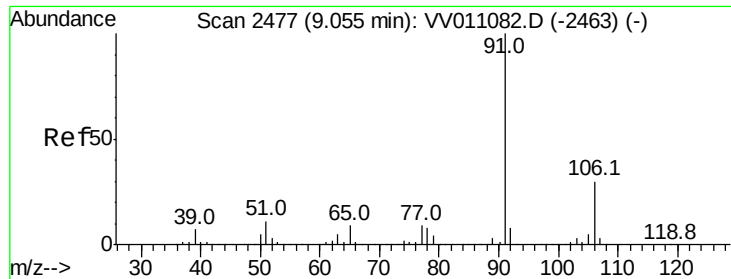
Ion Ratio Lower Upper

112 100

77 63.5 50.8 76.2

114 32.3 22.7 42.1

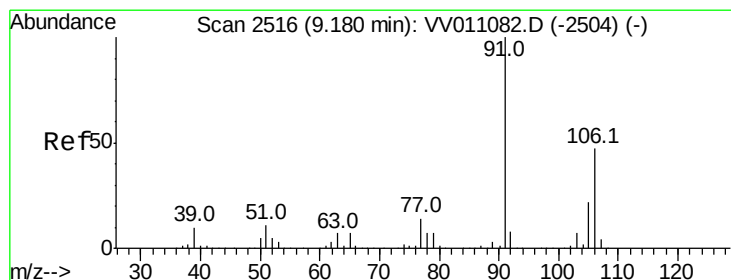
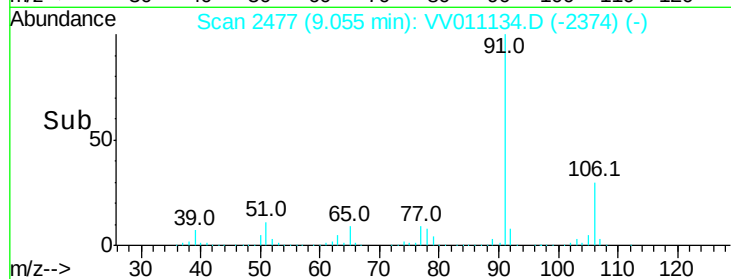
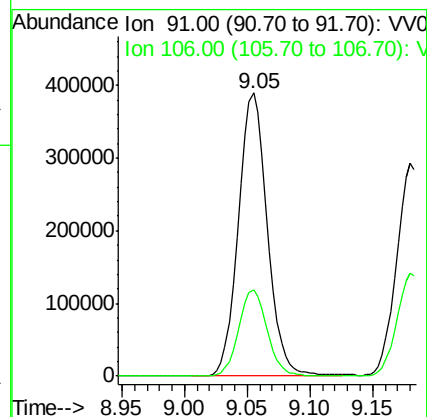
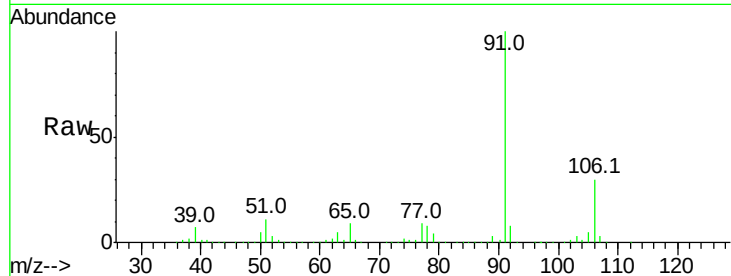




#53
Ethylbenzene
Concen: 26.021 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011134.D
Acq: 30 May 2019 13:26

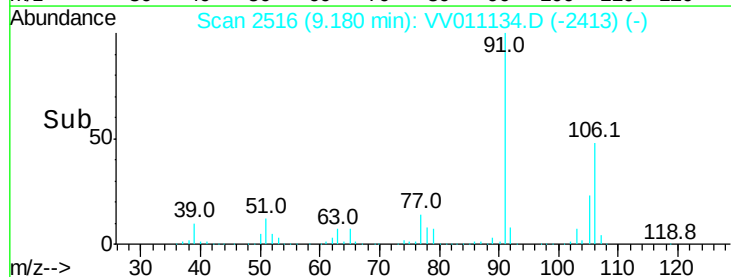
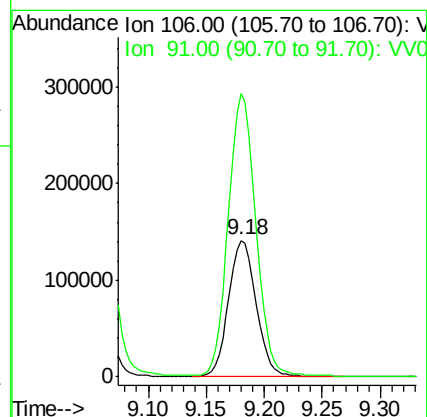
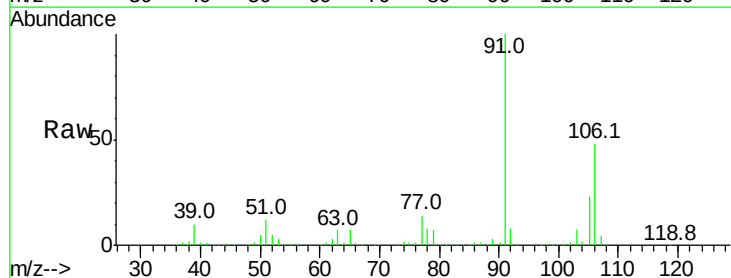
Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

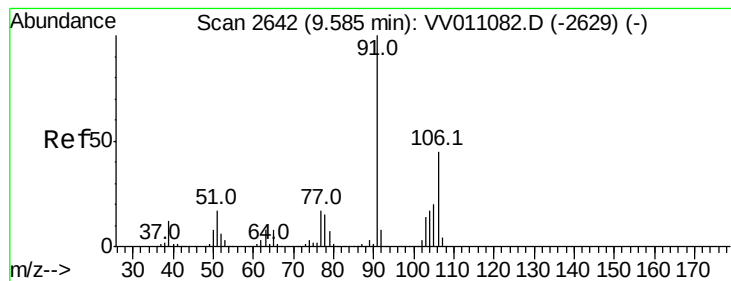
Tgt Ion: 91 Resp: 624946
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#54
m,p-Xylene
Concen: 25.819 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011134.D
Acq: 30 May 2019 13:26

Tgt Ion: 106 Resp: 230978
Ion Ratio Lower Upper
106 100
91 207.6 145.7 270.7





#55

o-xylene

Concen: 26.160 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

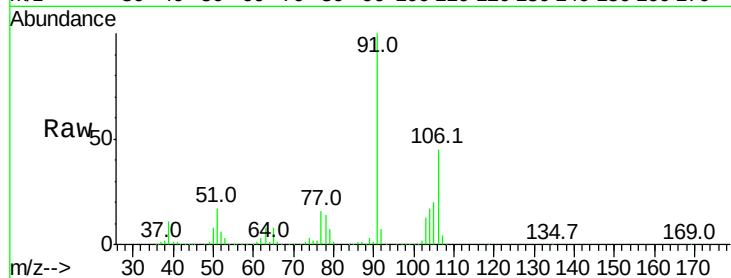
VSTD02569

Tgt Ion:106 Resp: 227410

Ion Ratio Lower Upper

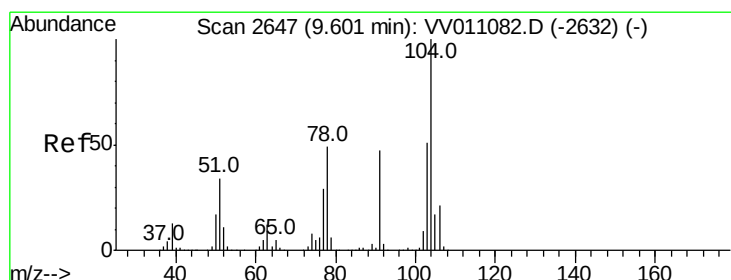
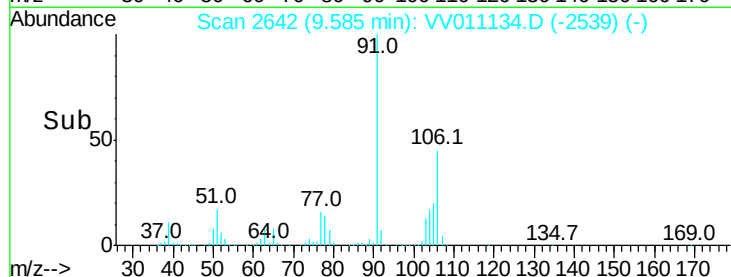
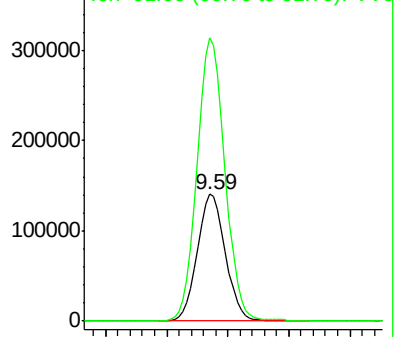
106 100

91 223.5 151.5 281.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.488 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011134.D

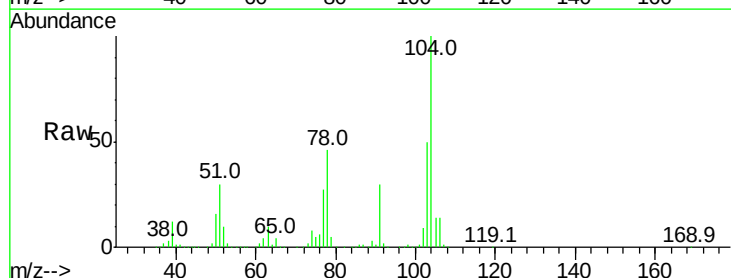
Acq: 30 May 2019 13:26

Tgt Ion:104 Resp: 390425

Ion Ratio Lower Upper

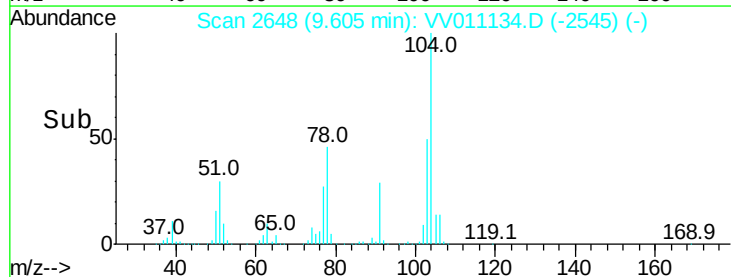
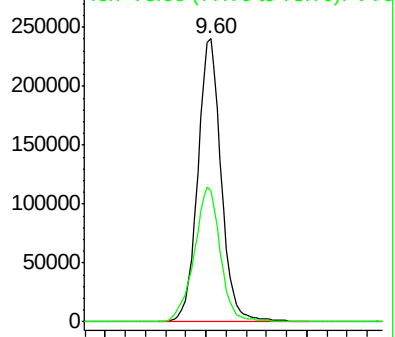
104 100

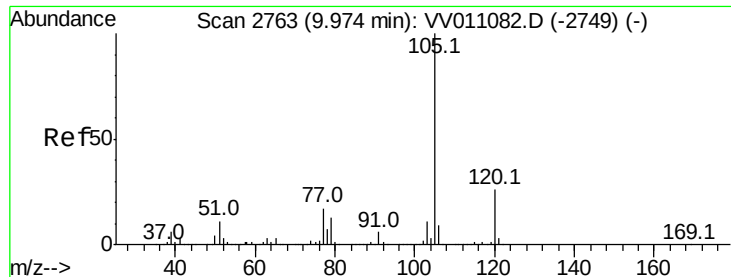
78 46.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.273 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

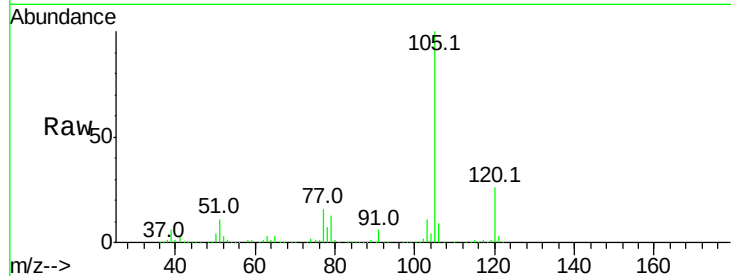
Tgt Ion: 105 Resp: 609536

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

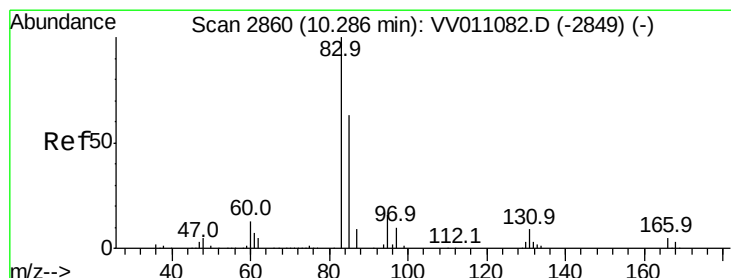
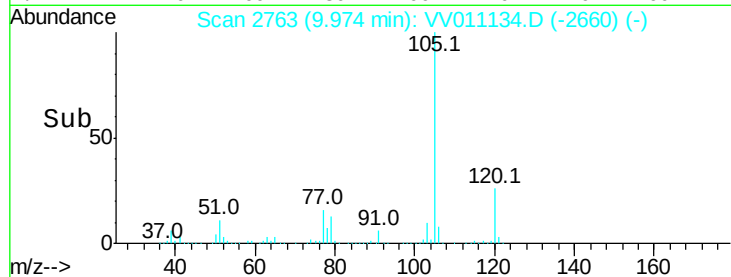
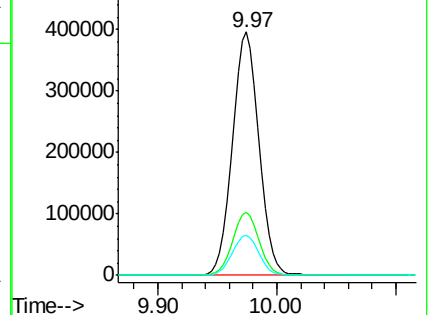
77 16.6 13.3 19.9



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: 27.609 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

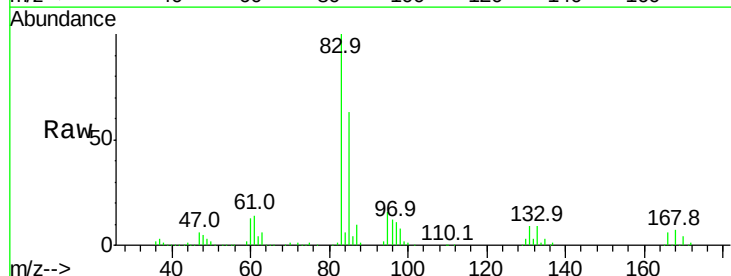
Tgt Ion: 83 Resp: 139201

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

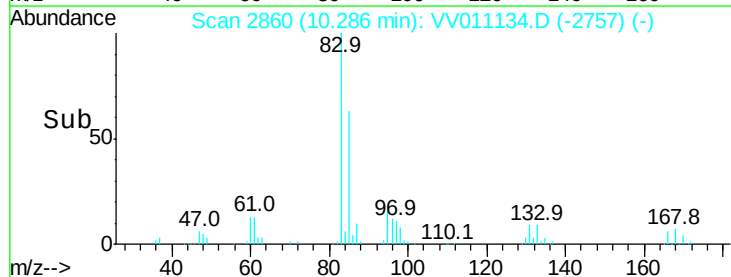
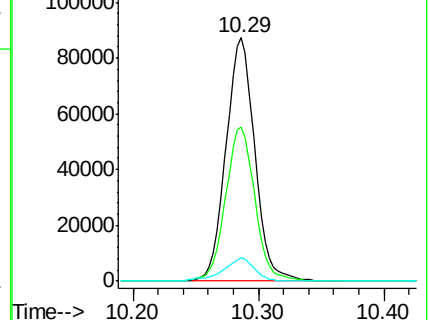
131 9.4 7.1 10.7

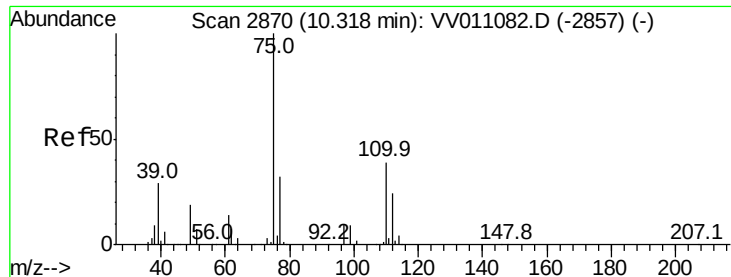


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.913 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

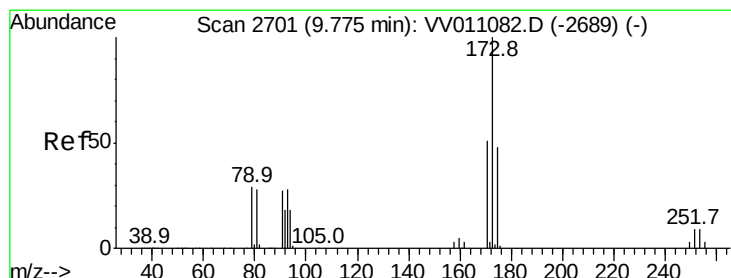
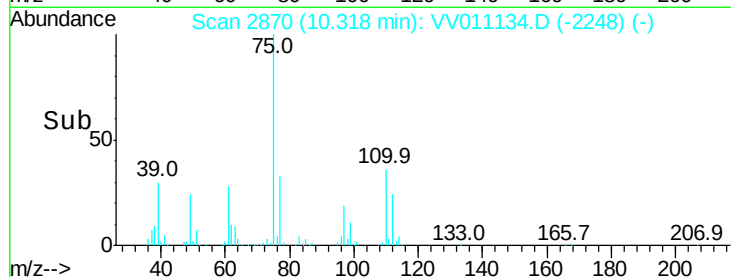
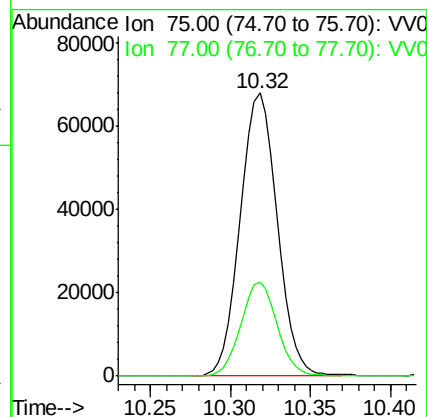
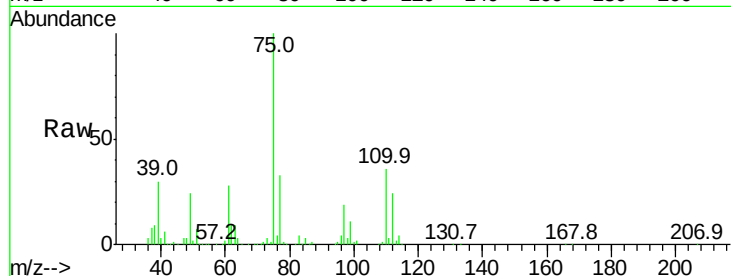
VSTD02569

Tgt Ion: 75 Resp: 107552

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#62

Bromoform

Concen: 24.921 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

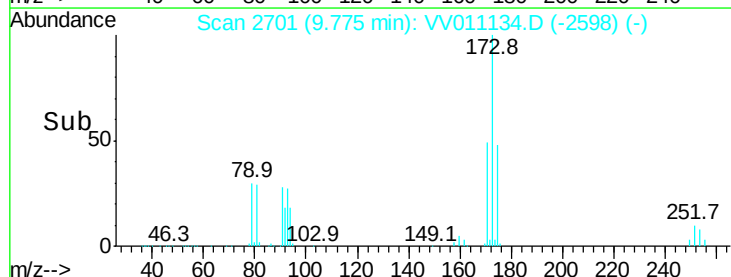
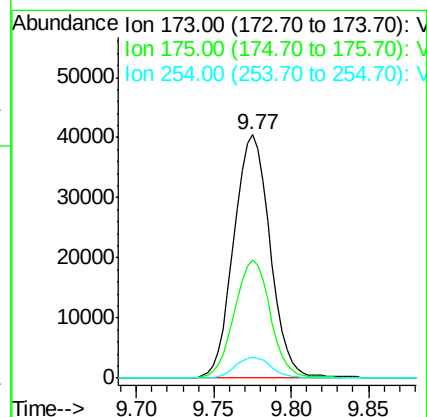
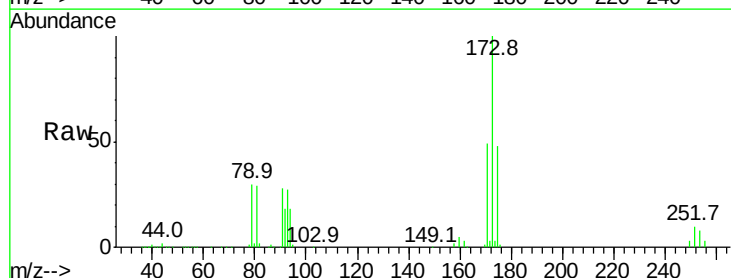
Tgt Ion: 173 Resp: 66067

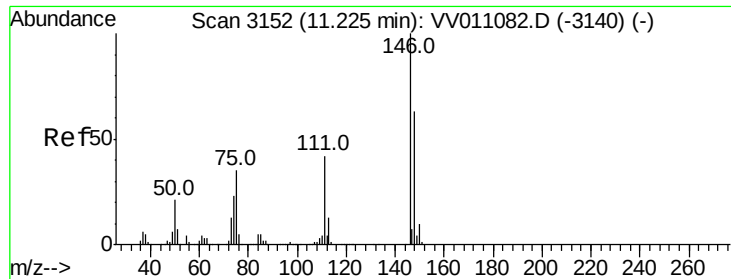
Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.4

254 8.6 7.0 10.4





#63

1,3-Dichlorobenzene

Concen: 25.445 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

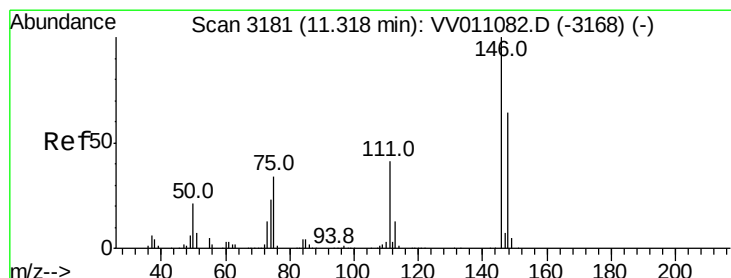
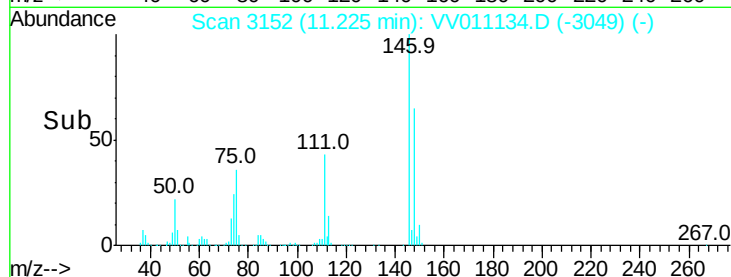
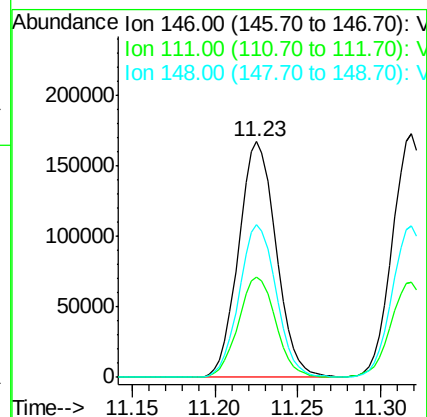
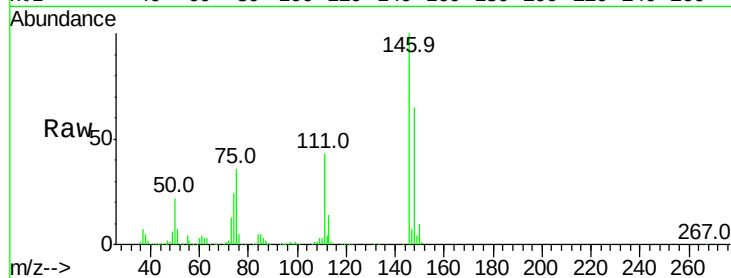
Tgt Ion:146 Resp: 263807

Ion Ratio Lower Upper

146 100

111 42.7 29.6 55.0

148 64.8 44.1 81.9



#64

1,4-Dichlorobenzene

Concen: 25.772 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

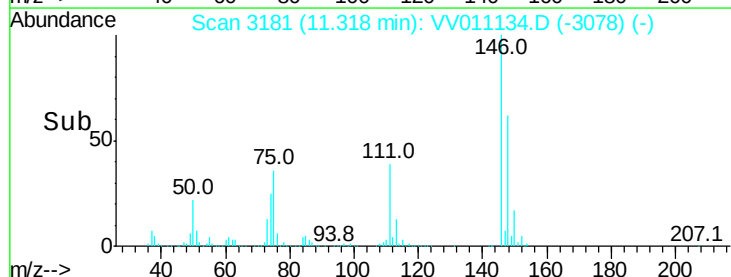
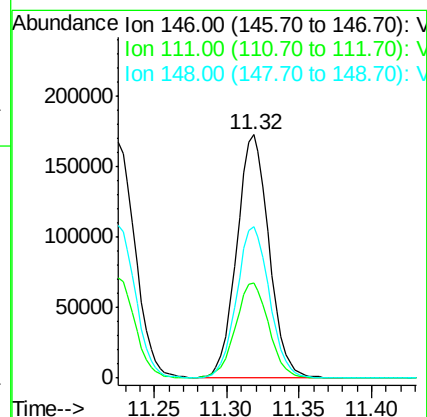
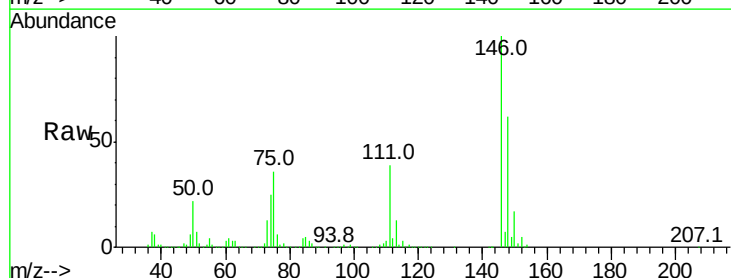
Tgt Ion:146 Resp: 265903

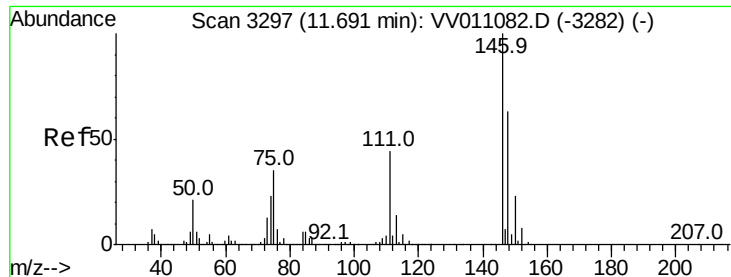
Ion Ratio Lower Upper

146 100

111 39.2 28.8 53.4

148 62.4 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 26.068 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

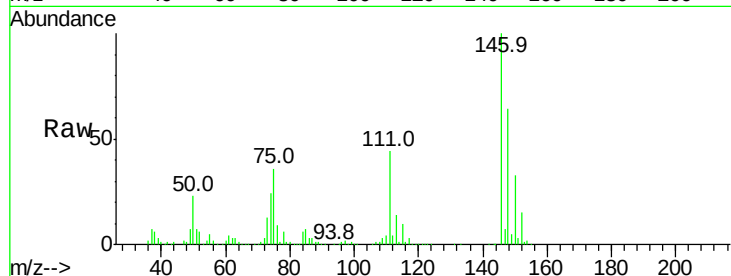
Tgt Ion:146 Resp: 252558

Ion Ratio Lower Upper

146 100

111 43.5 35.9 53.9

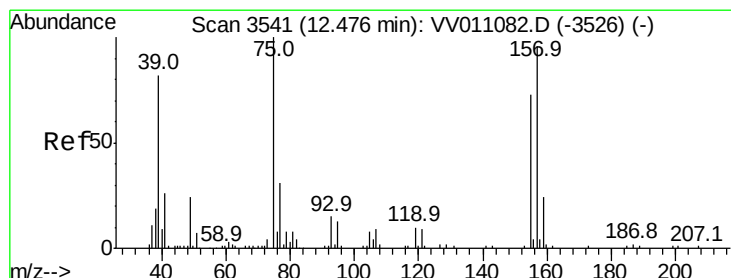
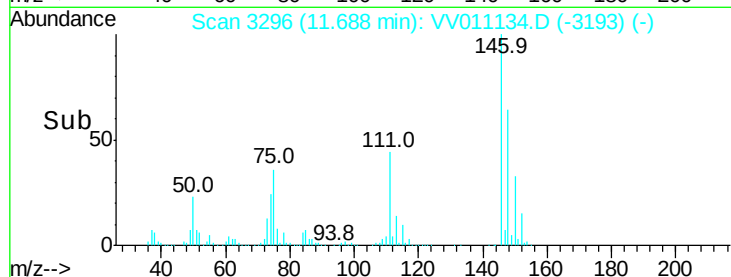
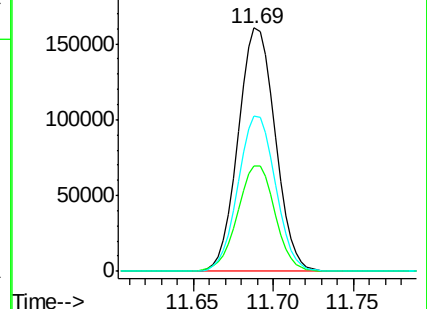
148 63.8 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.512 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

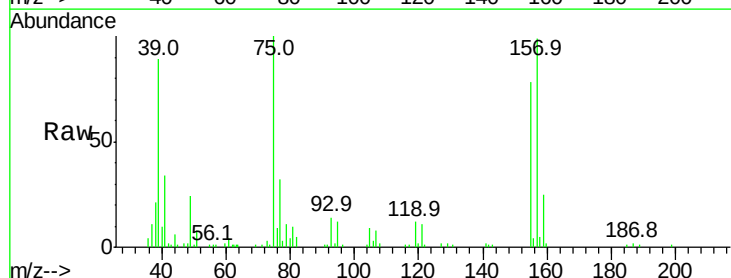
Tgt Ion: 75 Resp: 24242

Ion Ratio Lower Upper

75 100

157 99.5 76.7 115.1

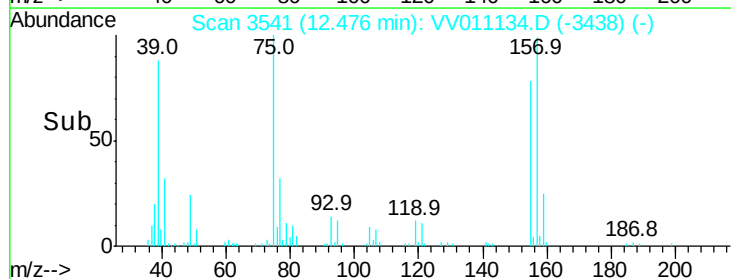
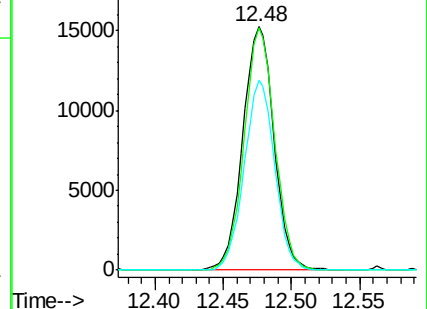
155 78.0 61.8 92.8

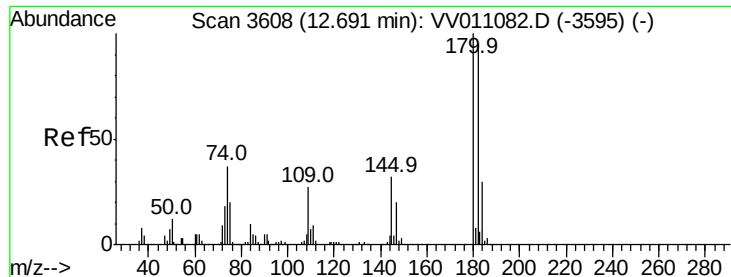


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

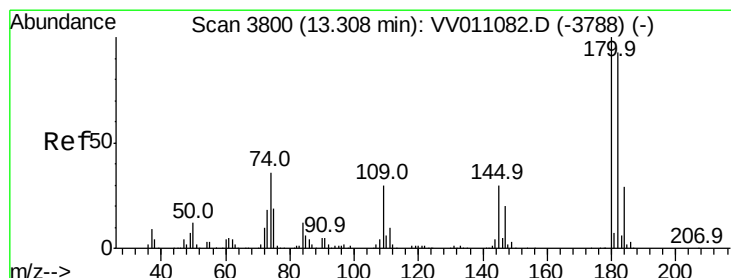
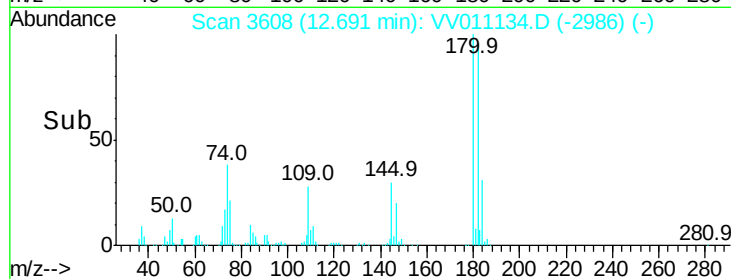
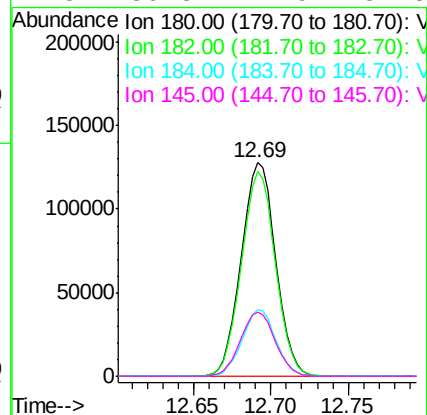
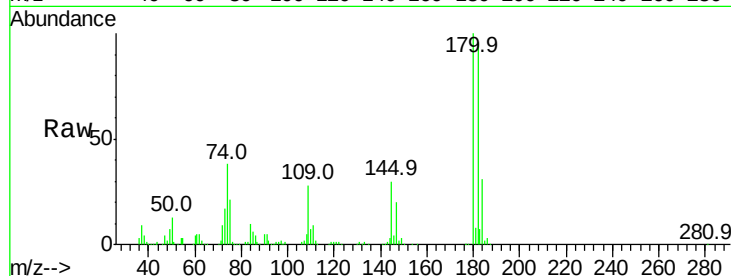




#67
 1,3,5-Trichlorobenzene
 Concen: 25.966 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

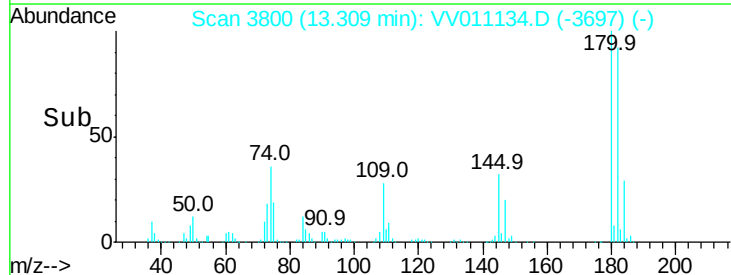
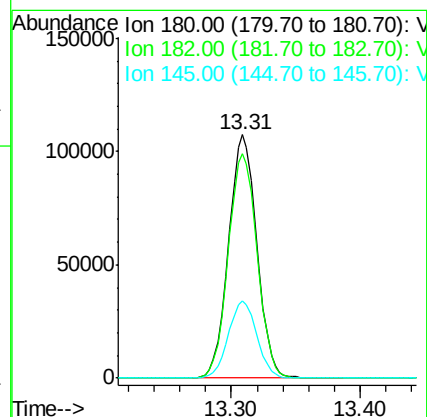
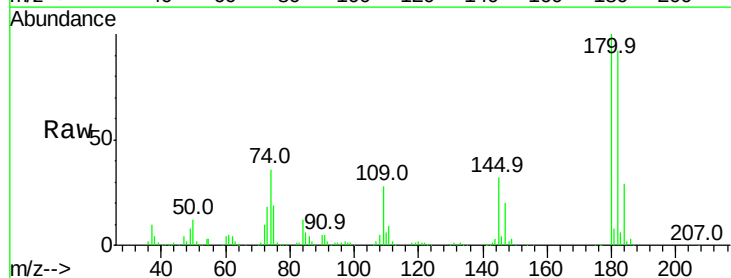
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

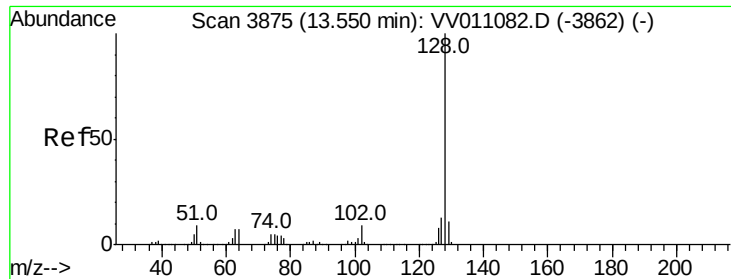
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	197998		
182	94.1	76.6	114.8	
184	30.4	24.7	37.1	
145	30.3	24.9	37.3	



#68
 1,2,4-trichlorobenzene
 Concen: 26.781 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011134.D
 Acq: 30 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	162458		
182	94.2	76.8	115.2	
145	32.1	25.4	38.0	





#69

Naphthalene

Concen: 28.308 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

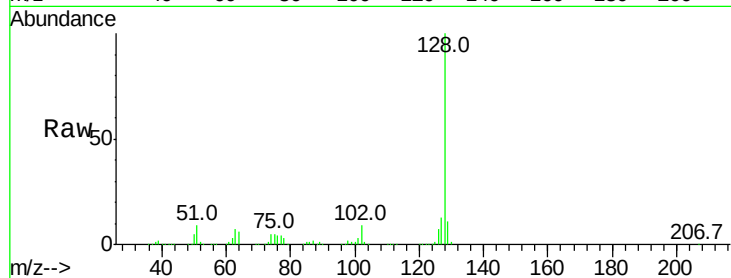
Tgt Ion:128 Resp: 354239

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

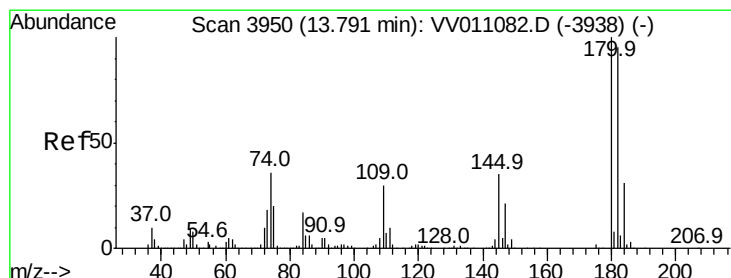
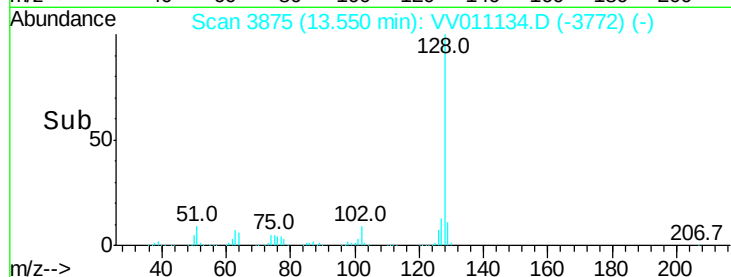
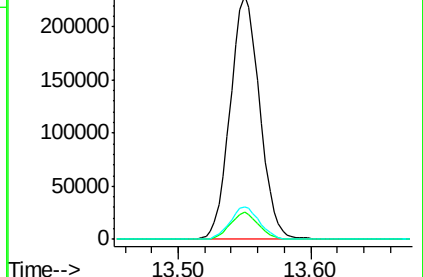
127 13.3 10.2 15.4



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: 26.935 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011134.D

Acq: 30 May 2019 13:26

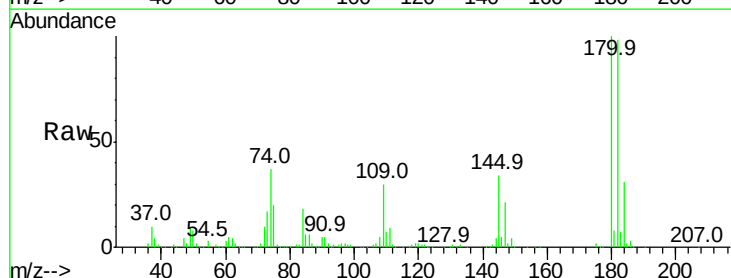
Tgt Ion:180 Resp: 149522

Ion Ratio Lower Upper

180 100

182 96.7 75.7 113.5

145 34.4 27.0 40.6



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

