

Data File : VV010957.D
Acq On : 20 May 2019 13:38
Operator : SY/MD
Sample : VSTD05068
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Quant Time: May 20 14:06:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Mon May 20 13:51:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	129263	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	135704	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69908	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69977	42.49	ug/L	0.00
7) Chloroethane-d5	1.56	69	48616	45.30	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	132072	42.38	ug/L	0.00
20) 2-Butanone-d5	3.94	46	50603	97.67	ug/L	0.00
24) Chloroform-d	4.40	84	170526	45.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	98703	46.52	ug/L	0.00
29) Benzene-d6	5.10	84	360914	48.05	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	113845	47.51	ug/L	0.00
37) Toluene-d8	7.36	98	355526	49.26	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	50284	48.10	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	45312	99.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	114450	51.49	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	139054	47.62	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	92032	64.174	ug/L	98
3) Chloromethane	1.25	50	83885	48.840	ug/L	100
5) Vinyl chloride	1.32	62	85656	46.322	ug/L	99
6) Bromomethane	1.51	94	30585	71.262	ug/L	99
8) Chloroethane	1.58	64	42616	44.560	ug/L	94
9) Trichlorofluoromethane	1.76	101	135775	51.294	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	77952	48.824	ug/L	98
12) 1,1-Dichloroethene	2.13	96	67304	45.183	ug/L	94
13) Acetone	2.19	43	44822	84.931	ug/L	98
14) Carbon disulfide	2.31	76	184393	41.096	ug/L	100
15) Methyl Acetate	2.46	43	39639	36.062	ug/L	97
16) Methylene chloride	2.53	84	105581	50.612	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	260811	53.623	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	95519	53.831	ug/L	98
19) 1,1-Dichloroethane	3.23	63	177700	51.728	ug/L	98
21) 2-Butanone	4.02	43	71285	104.643	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	111084	53.496	ug/L	99
23) Bromochloromethane	4.30	128	53802	55.622	ug/L	91
25) Chloroform	4.42	83	195100	52.355	ug/L	98
27) 1,2-Dichloroethane	5.18	62	124556	47.905	ug/L	98
30) Cyclohexane	4.72	56	144253	55.290	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	153305	52.014	ug/L	98
32) Carbon tetrachloride	4.87	117	139863	55.608	ug/L	99
34) Benzene	5.14	78	401339	50.742	ug/L	100
35) Trichloroethene	5.96	95	110197	53.755	ug/L	98
36) Methylcyclohexane	6.17	83	169345	59.363	ug/L	99
40) 1,2-Dichloropropane	6.22	63	109059	50.625	ug/L	99
41) Bromodichloromethane	6.55	83	144179	52.193	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	171244	54.486	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	157394	103.454	ug/L	100

Data File : VV010957.D
Acq On : 20 May 2019 13:38
Operator : SY/MD
Sample : VSTD05068
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Quant Time: May 20 14:06:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Mon May 20 13:51:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	469091	53.354	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	140454	52.877	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	92455	53.289	ug/L	98
47) Tetrachloroethene	8.02	164	84280	55.640	ug/L	96
49) 2-Hexanone	8.18	43	118736	105.672	ug/L	99
50) Dibromochloromethane	8.29	129	112688	58.392	ug/L	97
51) 1,2-Dibromoethane	8.40	107	90108	55.129	ug/L	96
52) Chlorobenzene	8.93	112	315801	52.740	ug/L	100
53) Ethylbenzene	9.05	91	519169	53.901	ug/L	99
54) m,p-Xylene	9.18	106	202129	53.261	ug/L	100
55) o-xylene	9.59	106	201091	53.933	ug/L	98
56) Styrene	9.60	104	351982	55.054	ug/L	100
57) Isopropylbenzene	9.97	105	518896	55.597	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	120390	52.542	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	86078	51.849	ug/L	97
62) Bromoform	9.78	173	63931	58.587	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	251594	52.088	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	254368	50.836	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	244299	50.696	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	19333	53.569	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	187238	53.191	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	158941	55.918	ug/L	99
69) Naphthalene	13.55	128	348552	58.539	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	152999	56.556	ug/L	99

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

Data File : VV010957.D

Acq On : 20 May 2019 13:38

Operator : SY/MD

Sample : VSTD05068

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

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

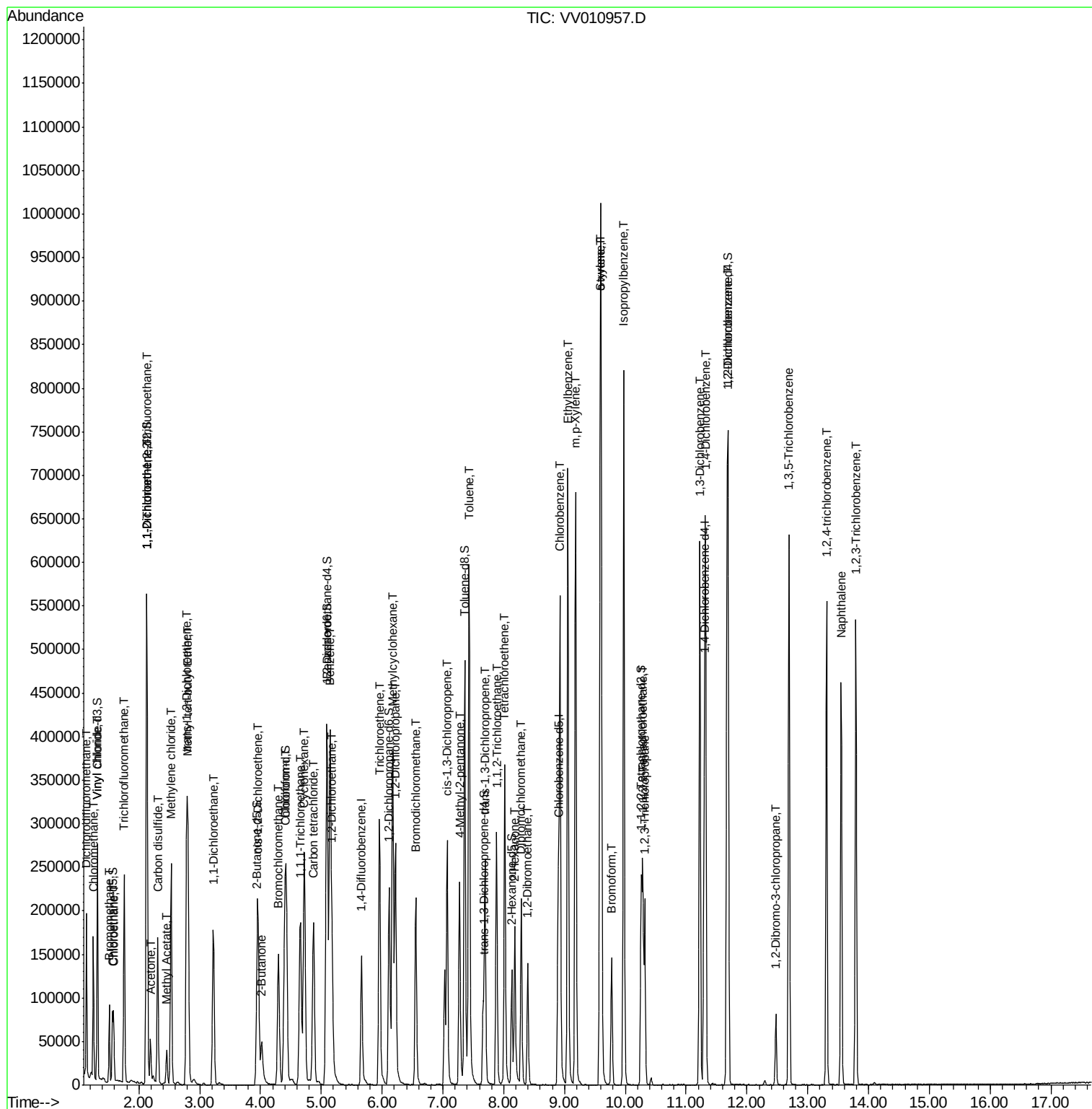
Quant Time: May 20 14:06:01 2019

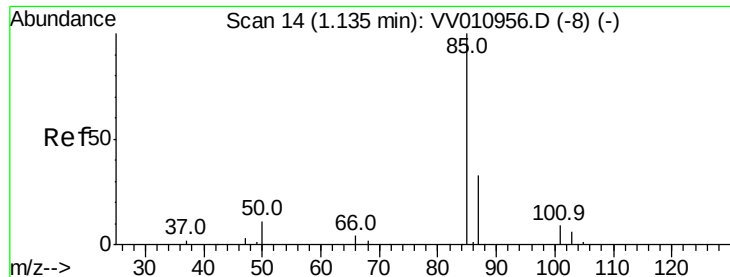
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM052019S.M

Quant Title : VOC Analysis

QLast Update : Mon May 20 13:51:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 64.174 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

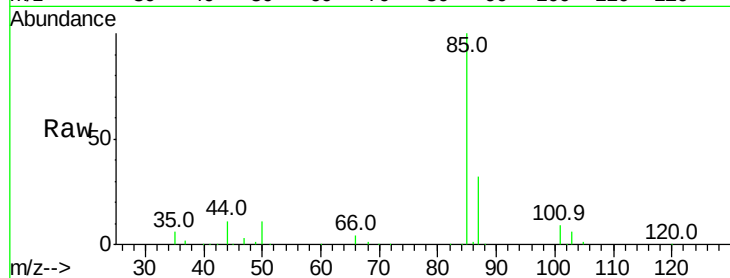
VSTD05068

Tgt Ion: 85 Resp: 92032

Ion Ratio Lower Upper

85 100

87 32.2 23.2 43.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

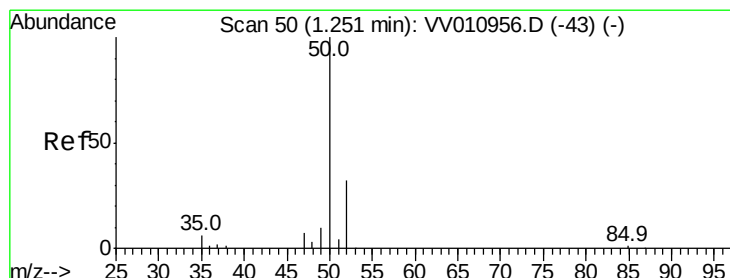
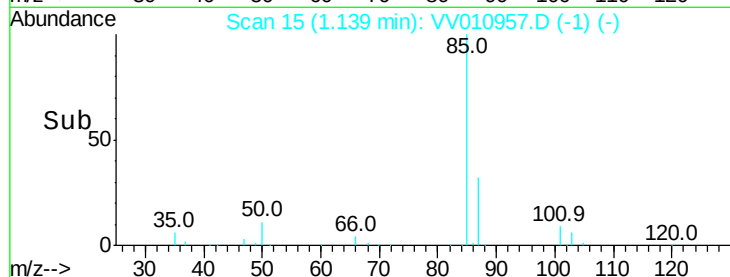
40000

20000

0

1.10 1.14 1.20

Time-->



#3

Chloromethane

Concen: 48.840 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010957.D

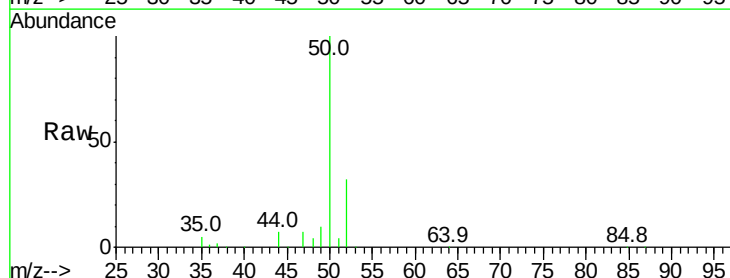
Acq: 20 May 2019 13:38

Tgt Ion: 50 Resp: 83885

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

100000

80000

60000

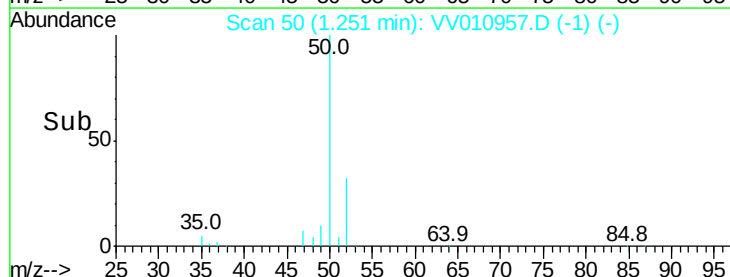
40000

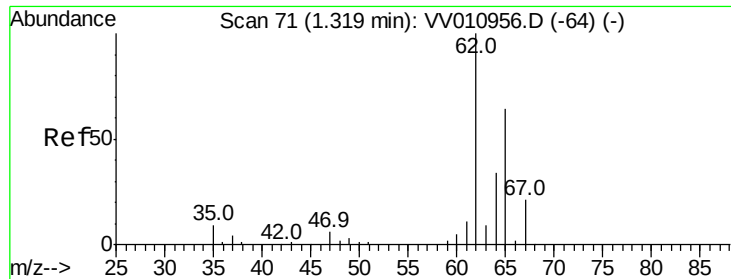
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 46.322 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

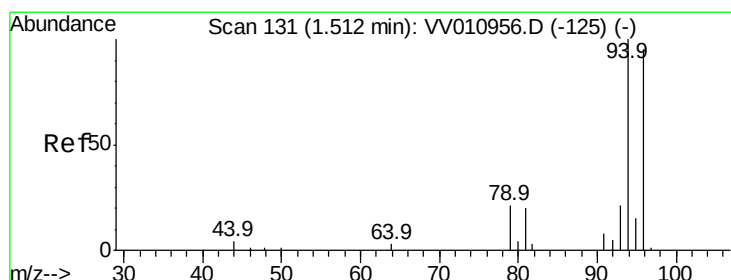
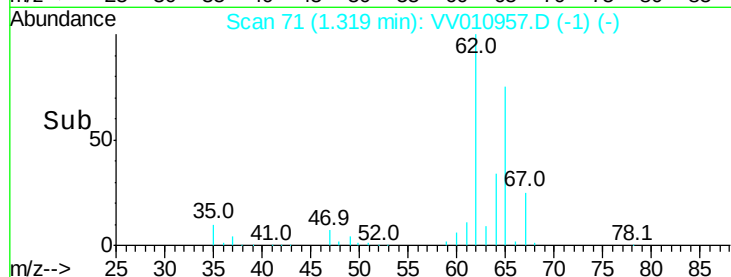
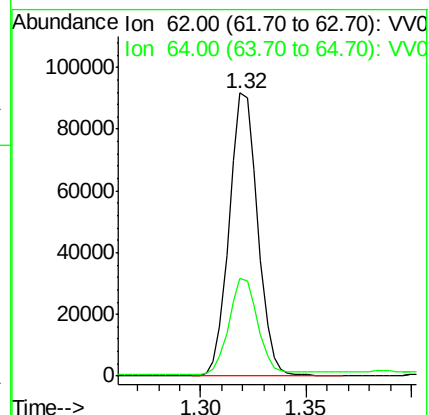
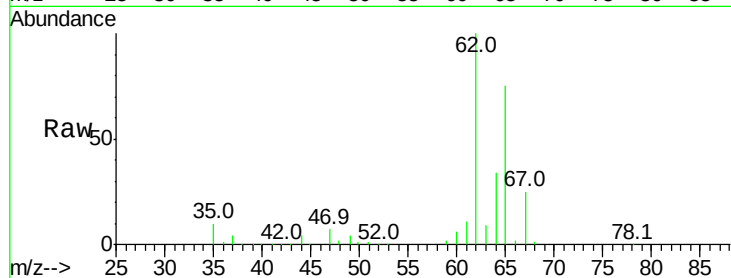
VSTD05068

Tgt Ion: 62 Resp: 85656

Ion Ratio Lower Upper

62 100

64 34.4 24.5 45.5



#6

Bromomethane

Concen: 71.262 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV010957.D

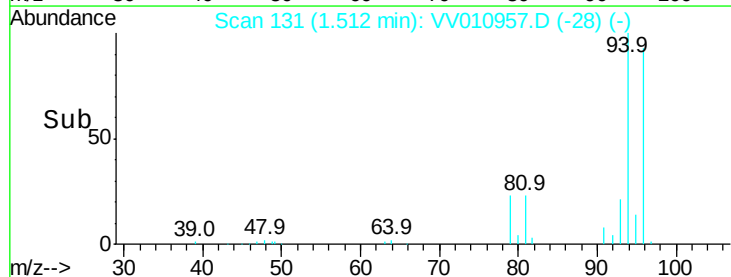
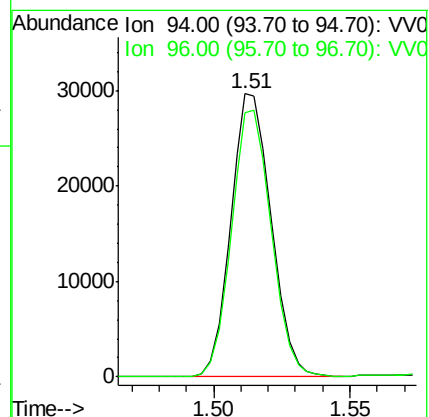
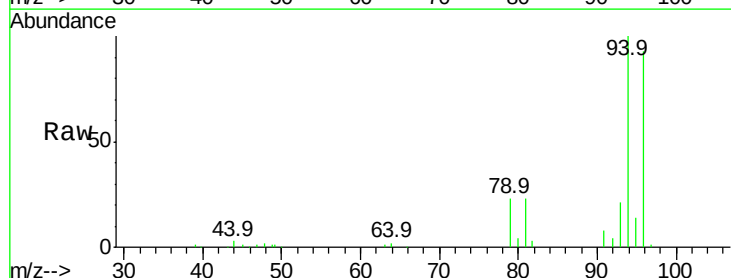
Acq: 20 May 2019 13:38

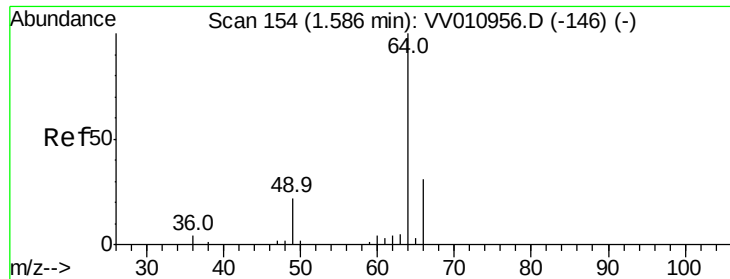
Tgt Ion: 94 Resp: 30585

Ion Ratio Lower Upper

94 100

96 92.8 9.3 177.7





#8

Chloroethane

Concen: 44.560 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

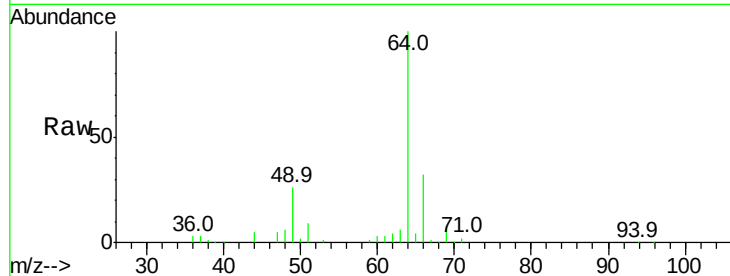
VSTD05068

Tgt Ion: 64 Resp: 42616

Ion Ratio Lower Upper

64 100

66 32.1 20.4 37.8



Abundance Ion 64.00 (63.70 to 64.70): VV010956.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV010956.D (-146) (-)

1.58

40000

30000

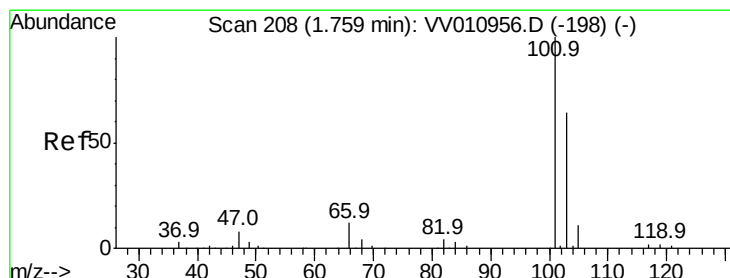
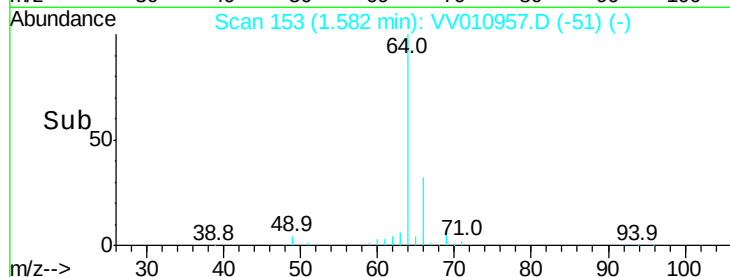
20000

10000

0

Time-->

1.55 1.60



#9

Trichlorofluoromethane

Concen: 51.294 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV010957.D

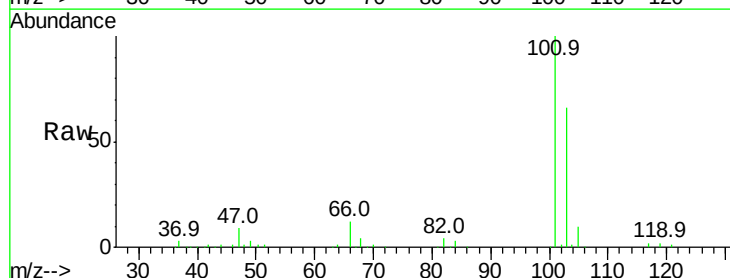
Acq: 20 May 2019 13:38

Tgt Ion: 101 Resp: 135775

Ion Ratio Lower Upper

101 100

103 64.6 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010956.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV010956.D (-198) (-)

1.76

120000

100000

80000

60000

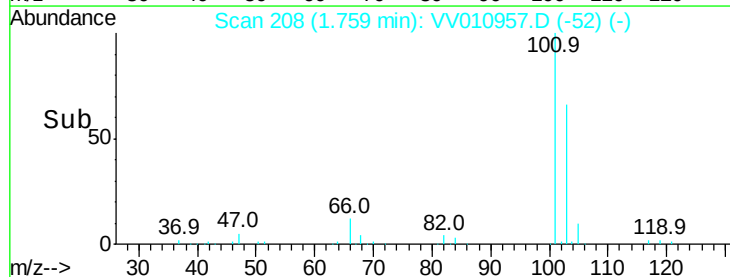
40000

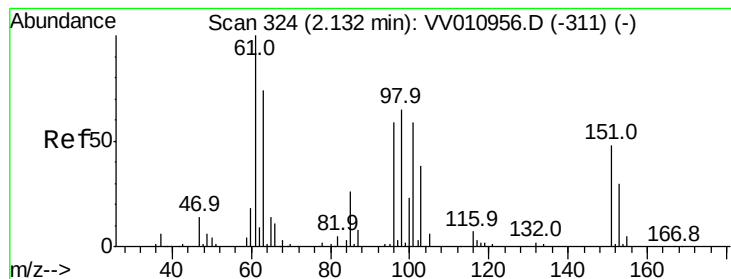
20000

0

Time-->

1.70 1.75 1.80 1.85





#11

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

Concen: 48.824 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

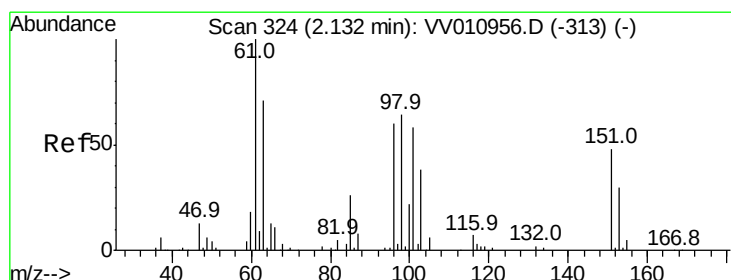
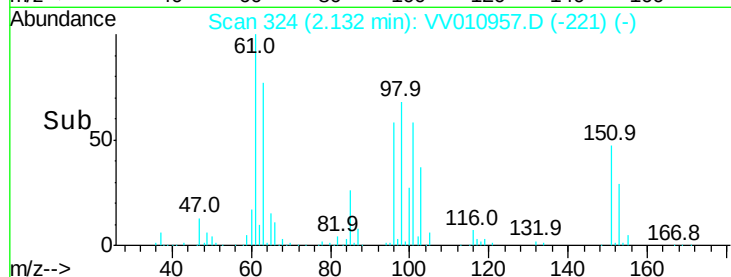
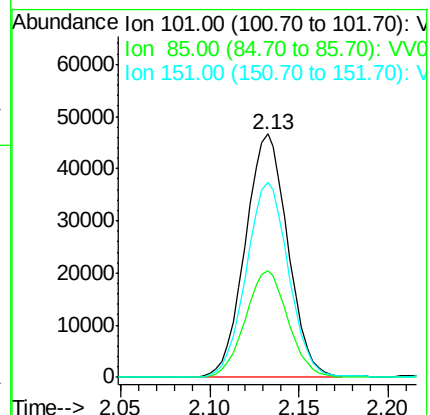
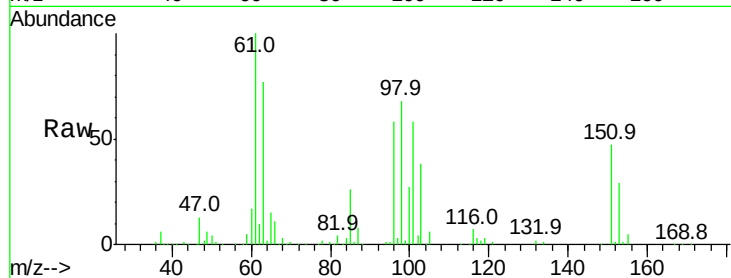
Tgt Ion: 101 Resp: 77952

Ion Ratio Lower Upper

101 100

85 44.0 33.9 50.9

151 80.0 64.7 97.1



#12

1,1-Dichloroethene

Concen: 45.183 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

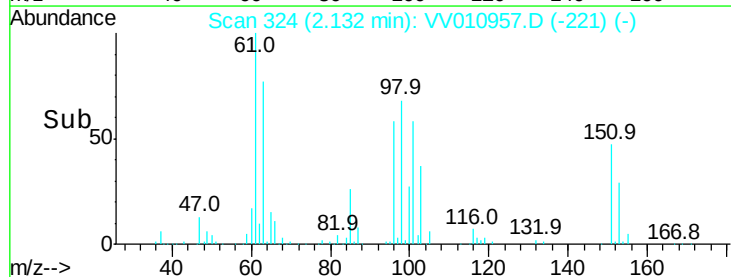
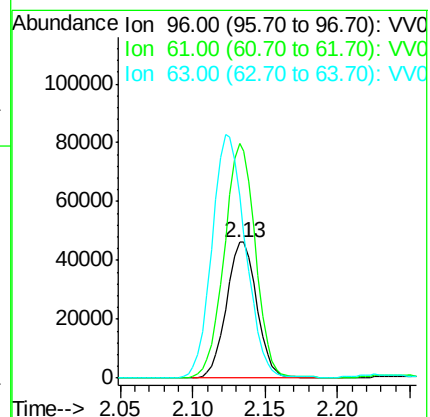
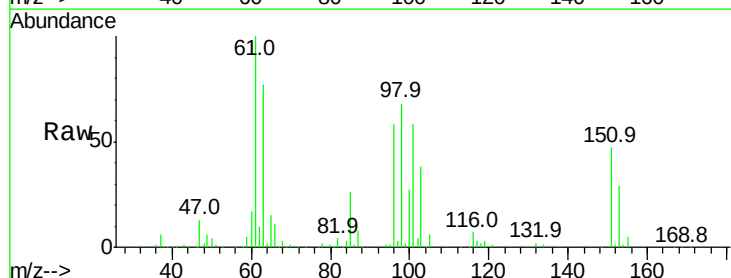
Tgt Ion: 96 Resp: 67304

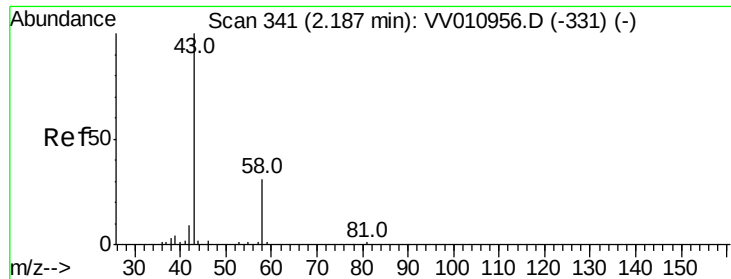
Ion Ratio Lower Upper

96 100

61 173.0 117.8 218.8

63 133.9 87.1 161.7





#13

Acetone

Concen: 84.931 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

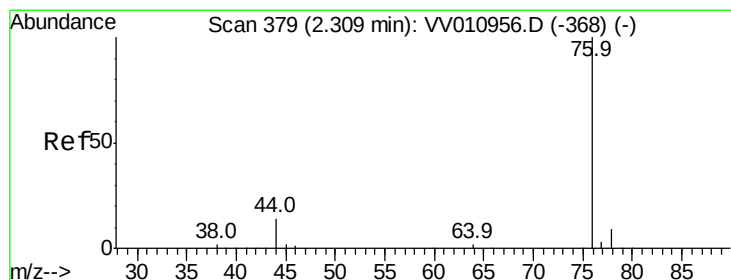
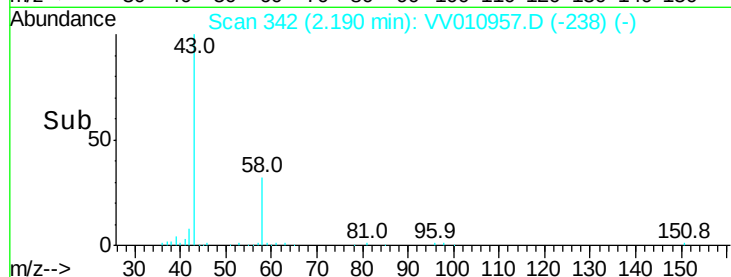
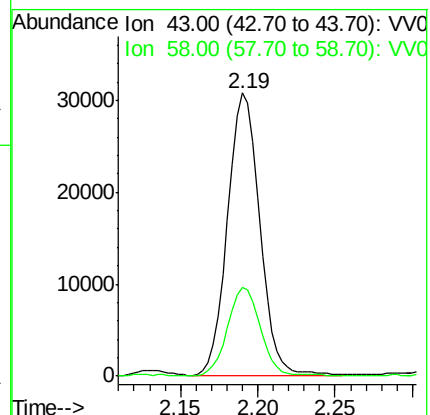
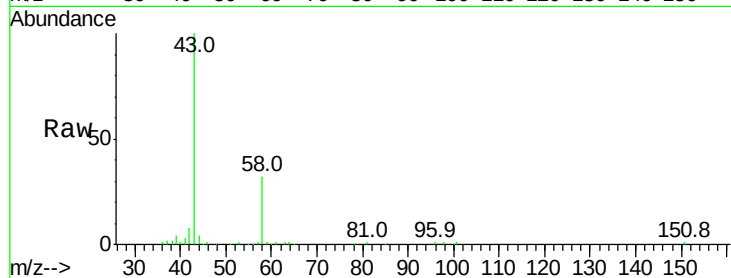
VSTD05068

Tgt Ion: 43 Resp: 44822

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.8



#14

Carbon disulfide

Concen: 41.096 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV010957.D

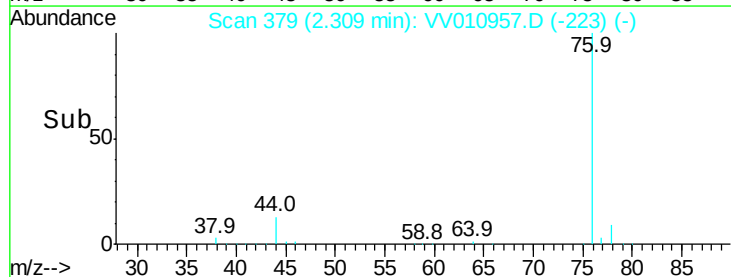
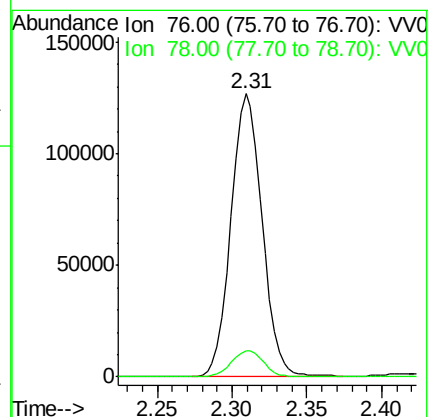
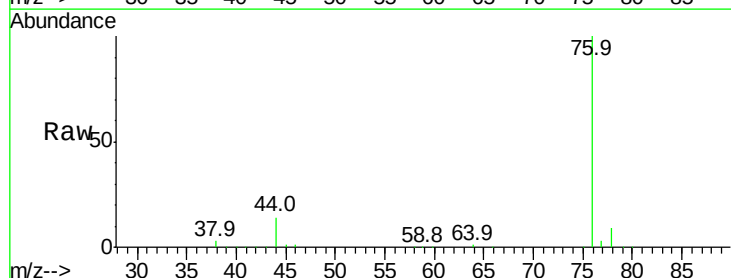
Acq: 20 May 2019 13:38

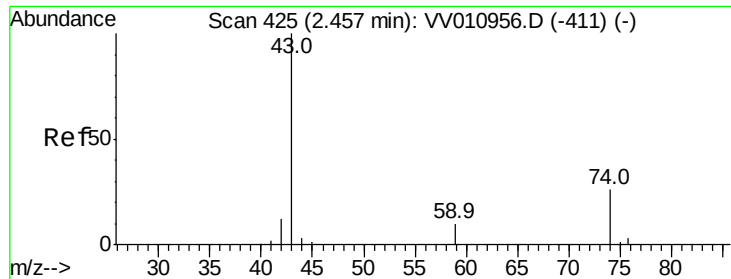
Tgt Ion: 76 Resp: 184393

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 36.062 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

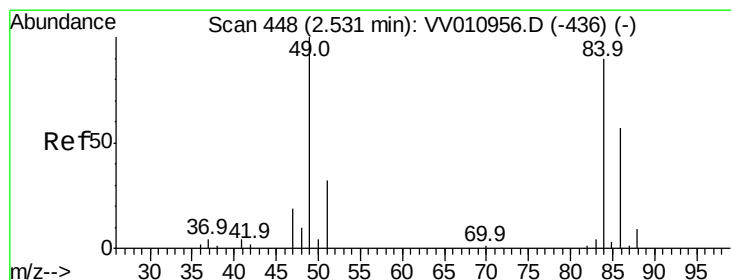
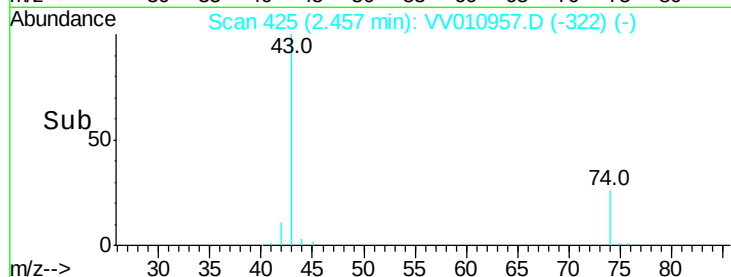
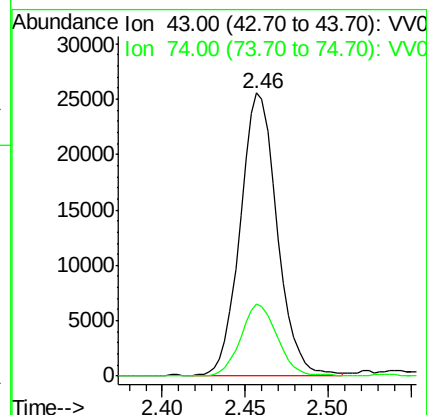
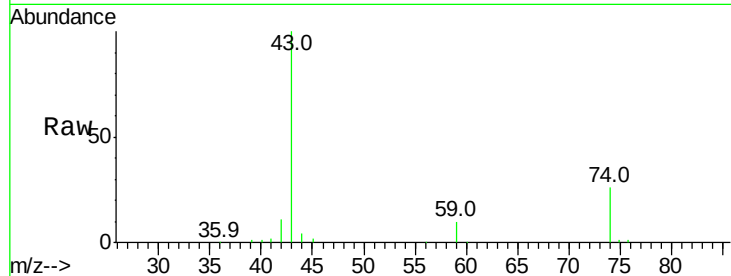
VSTD05068

Tgt Ion: 43 Resp: 39639

Ion Ratio Lower Upper

43 100

74 25.0 21.1 31.7



#16

Methylene chloride

Concen: 50.612 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

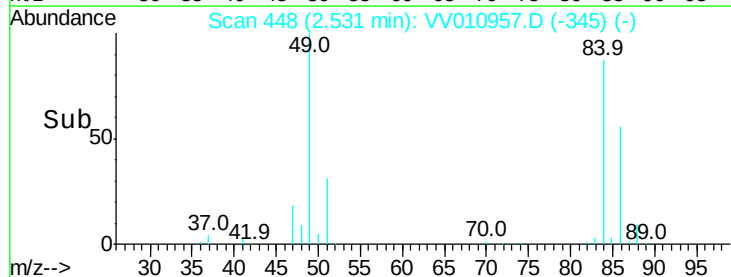
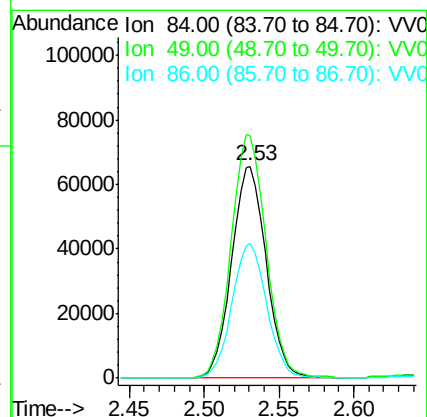
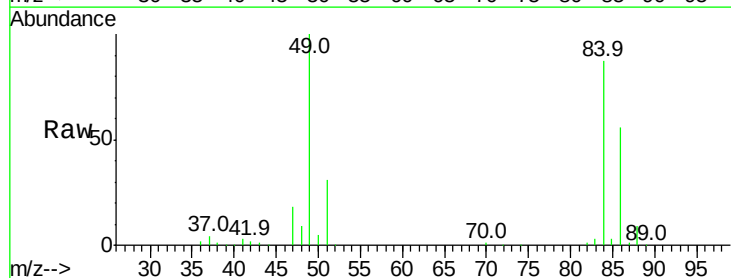
Tgt Ion: 84 Resp: 105581

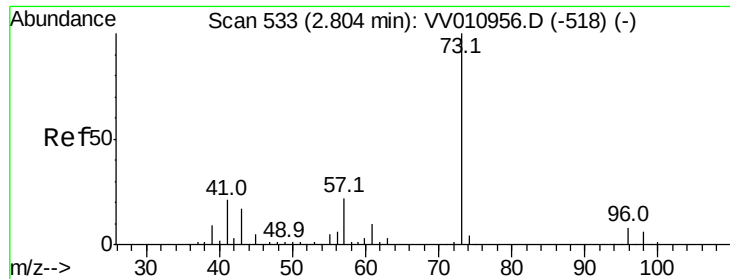
Ion Ratio Lower Upper

84 100

49 114.5 77.4 143.8

86 63.6 44.0 81.6

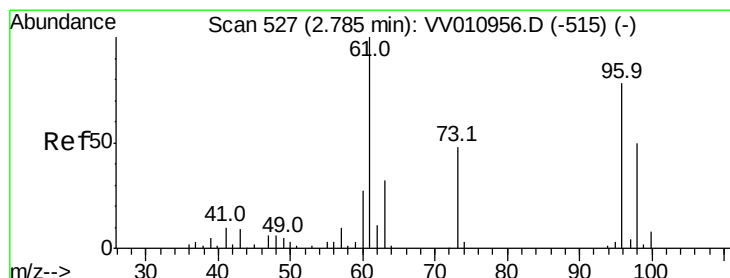
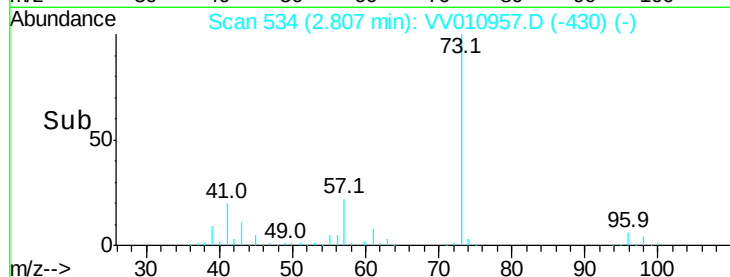
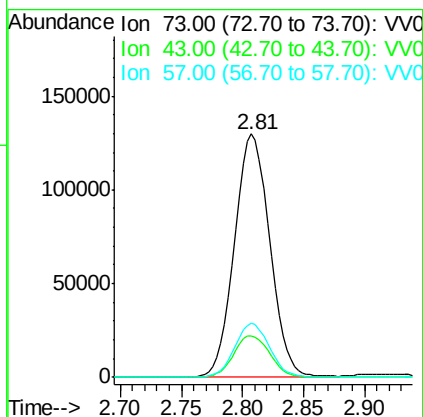
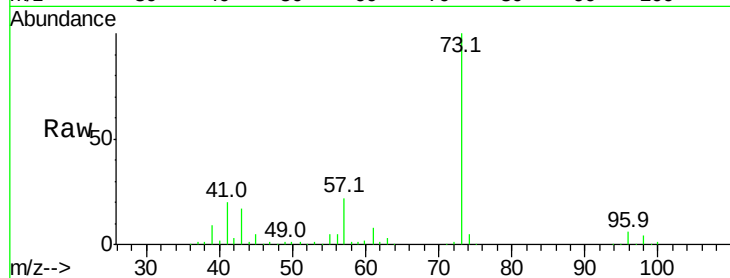




#17
Methyl tert-butyl Ether
Concen: 53.623 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

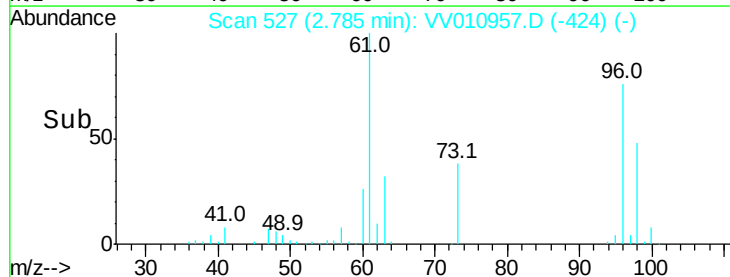
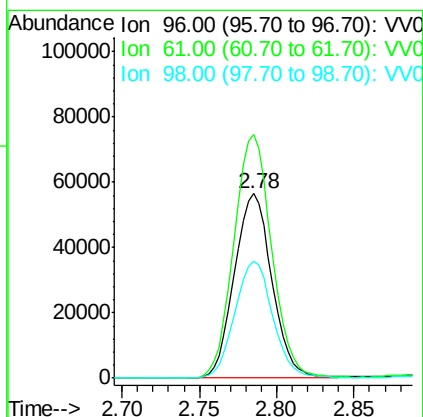
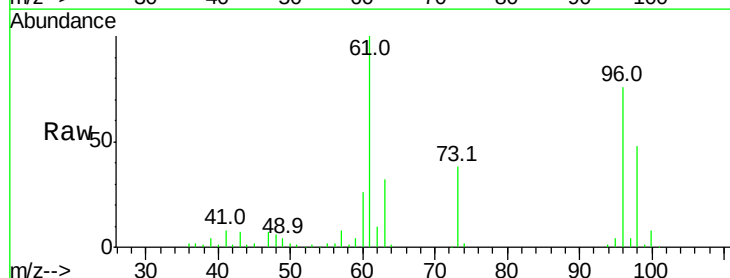
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

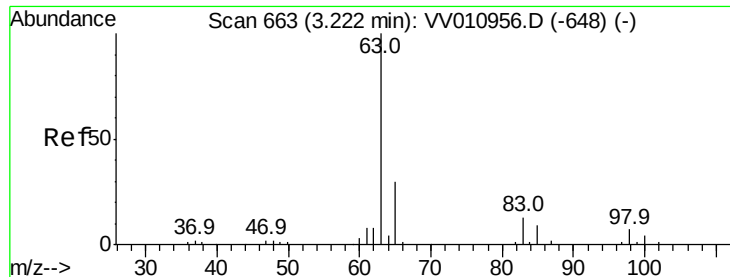
Tgt Ion: 73 Resp: 260811
Ion Ratio Lower Upper
73 100
43 17.7 14.5 21.7
57 22.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 53.831 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

Tgt Ion: 96 Resp: 95519
Ion Ratio Lower Upper
96 100
61 132.1 89.7 166.5
98 63.3 44.5 82.7

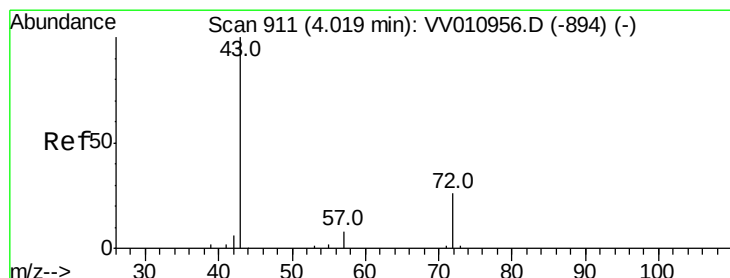
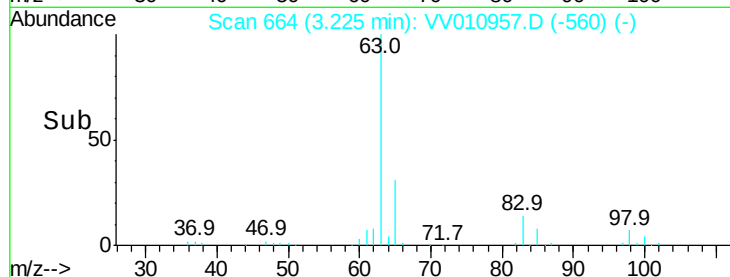
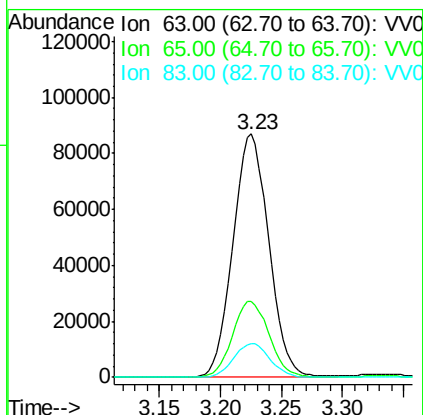
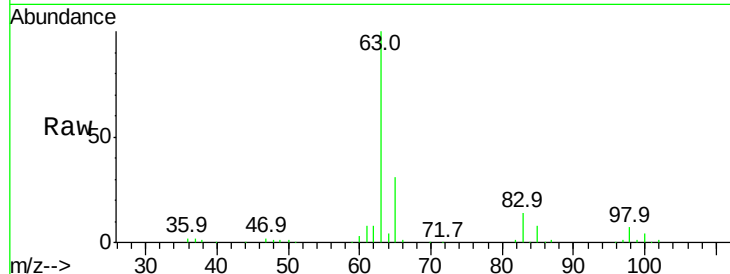




#19
 1,1-Dichloroethane
 Concen: 51.728 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

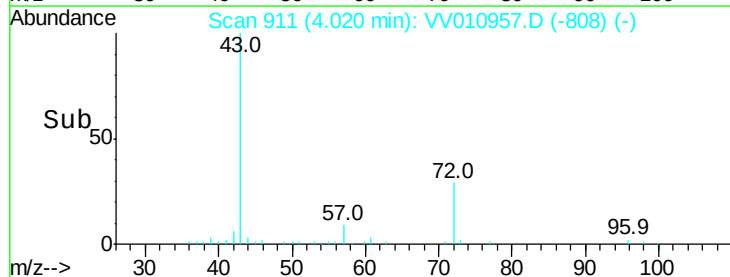
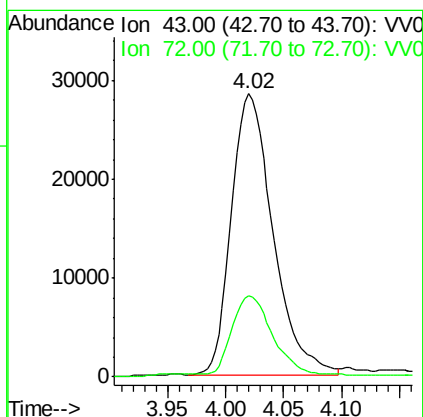
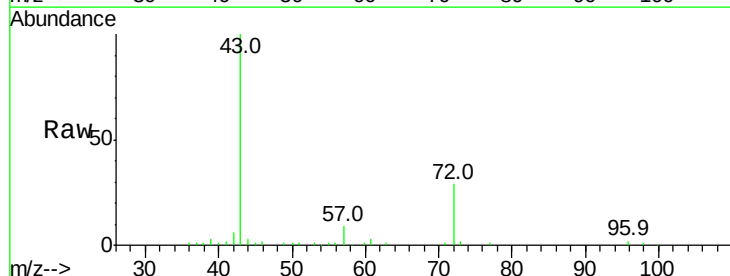
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

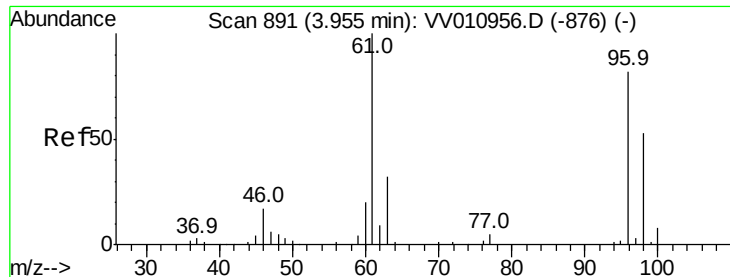
Tgt Ion: 63 Resp: 177700
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.1 39.3
 83 13.8 9.1 16.9



#21
 2-Butanone
 Concen: 104.643 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Tgt Ion: 43 Resp: 71285
 Ion Ratio Lower Upper
 43 100
 72 28.1 13.1 39.3



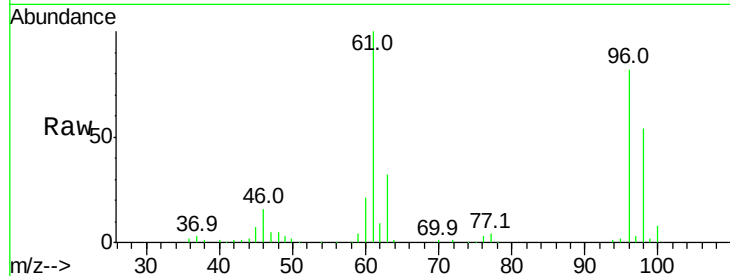


#22

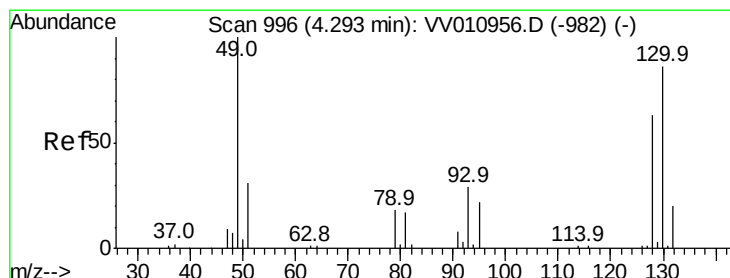
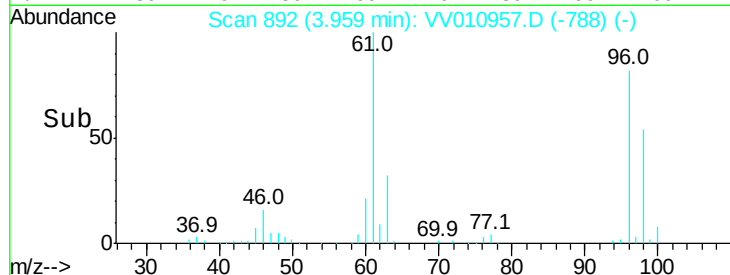
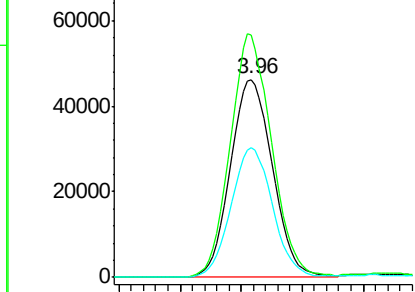
cis-1,2-Dichloroethene
Concen: 53.496 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tgt Ion: 96 Resp: 111084
Ion Ratio Lower Upper
96 100
61 122.5 85.4 158.6
98 65.7 45.1 83.7



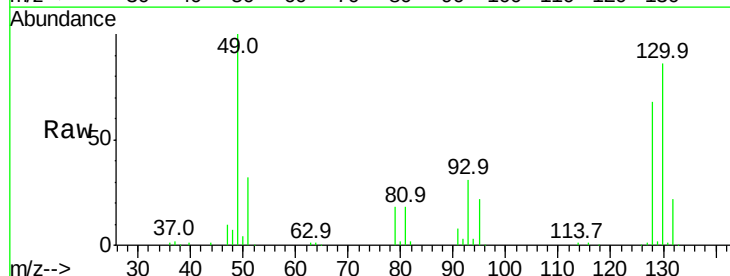
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



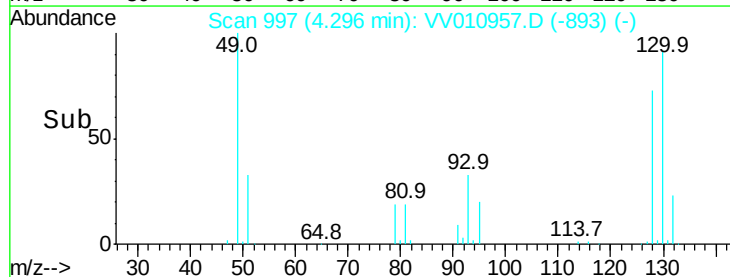
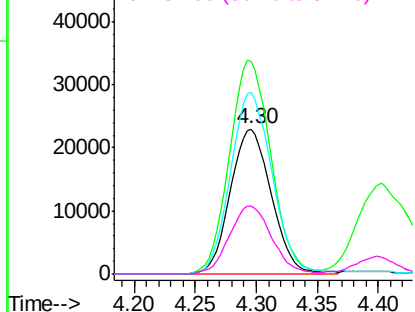
#23

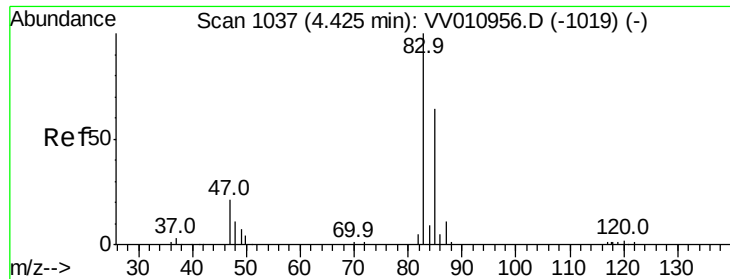
Bromochloromethane
Concen: 55.622 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

Tgt Ion: 128 Resp: 53802
Ion Ratio Lower Upper
128 100
49 146.5 111.6 207.4
130 125.8 95.5 177.3
51 46.8 39.8 59.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

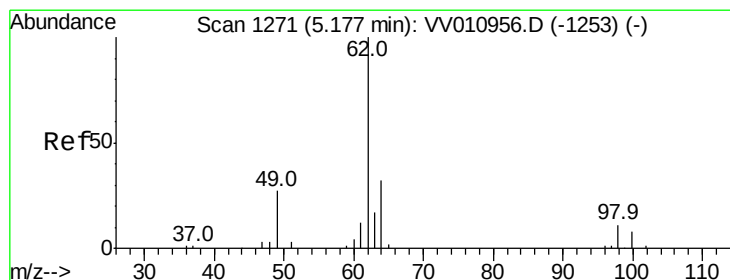
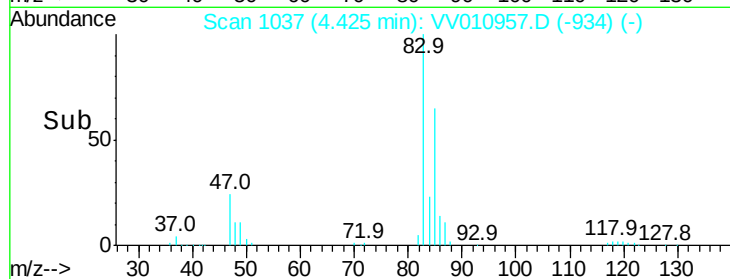
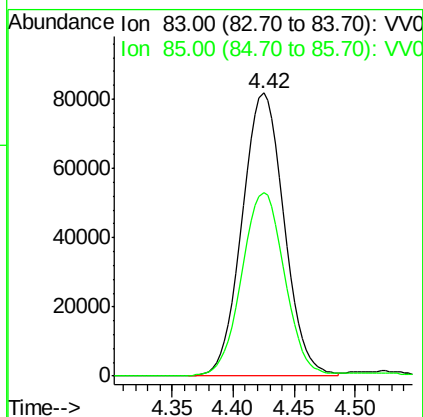
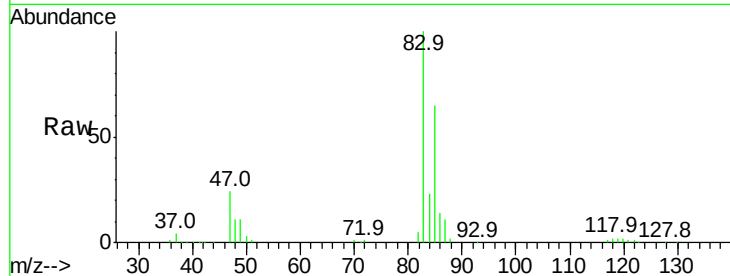




#25
Chloroform
Concen: 52.355 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

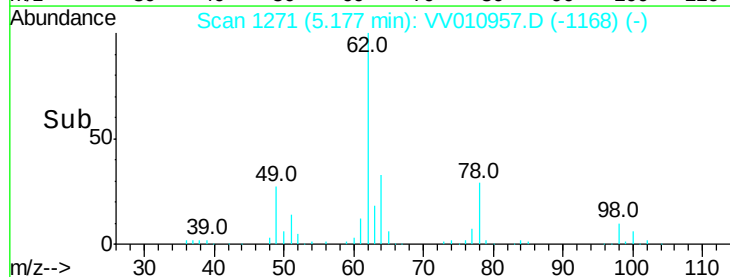
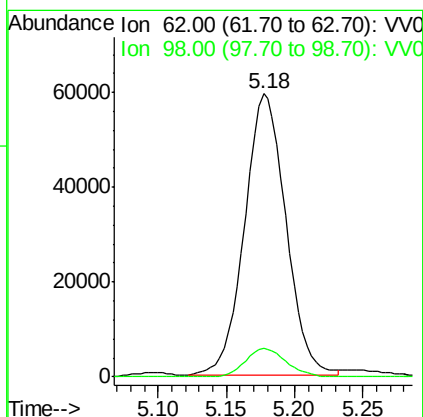
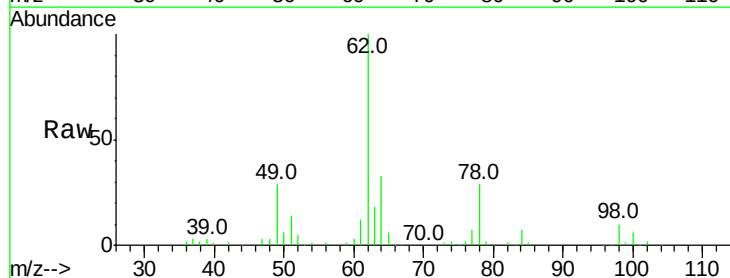
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

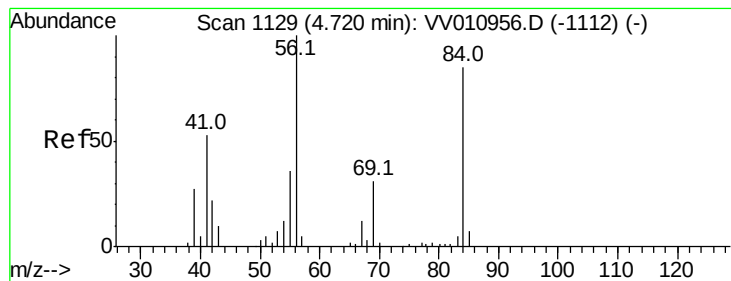
Tgt Ion: 83 Resp: 195100
Ion Ratio Lower Upper
83 100
85 66.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 47.905 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

Tgt Ion: 62 Resp: 124556
Ion Ratio Lower Upper
62 100
98 10.1 8.6 13.0





#30

Cyclohexane

Concen: 55.290 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

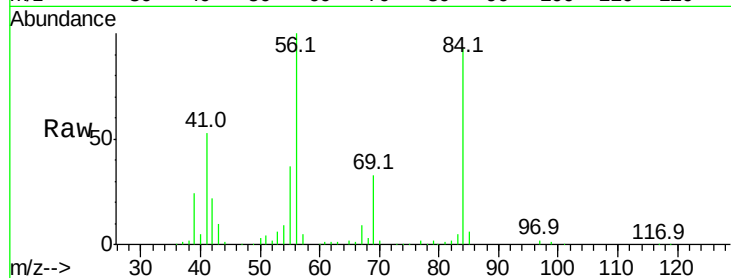
Tgt Ion: 56 Resp: 144253

Ion Ratio Lower Upper

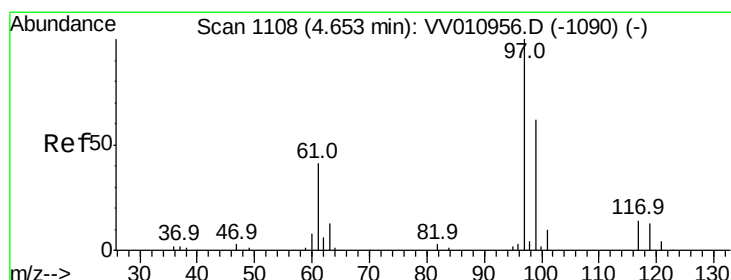
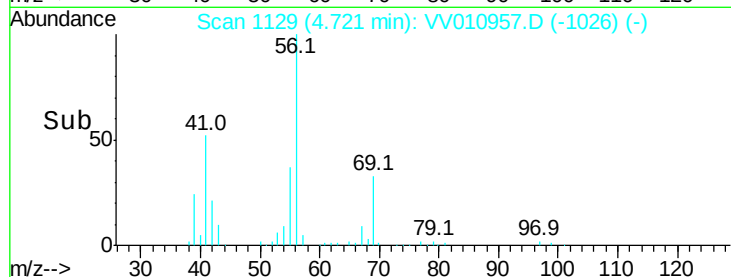
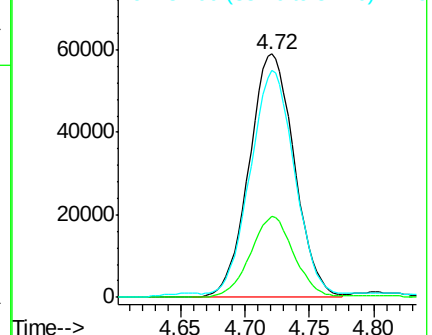
56 100

69 32.0 25.1 37.7

84 90.1 72.4 108.6



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: 52.014 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

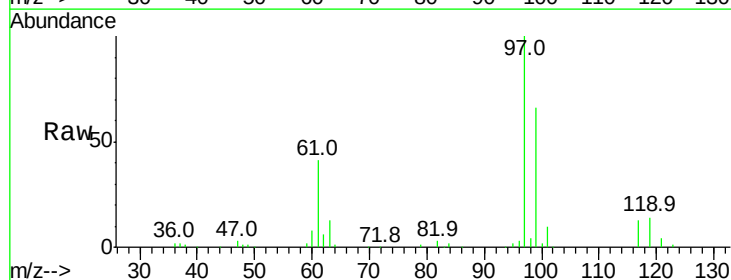
Tgt Ion: 97 Resp: 153305

Ion Ratio Lower Upper

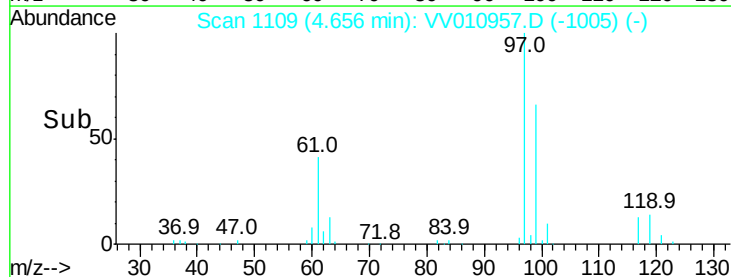
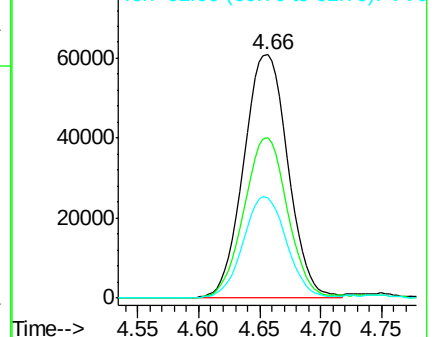
97 100

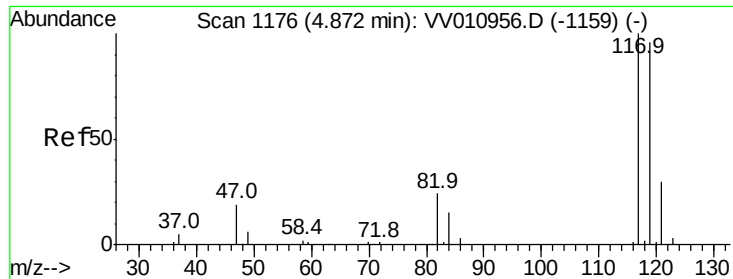
99 64.7 51.0 76.4

61 41.0 33.9 50.9



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: 55.608 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

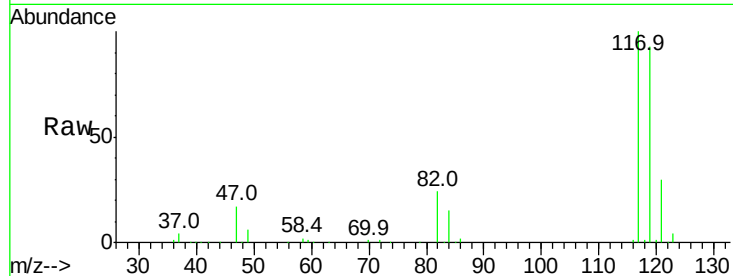
VSTD05068

Tgt Ion:117 Resp: 139863

Ion Ratio Lower Upper

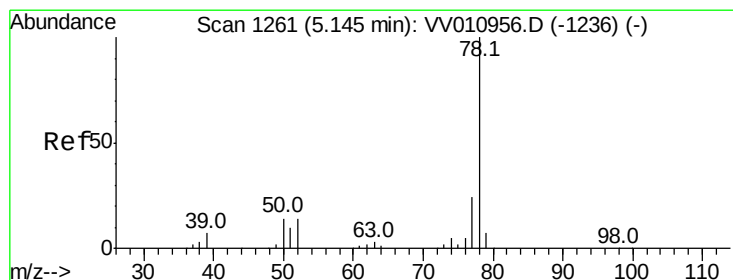
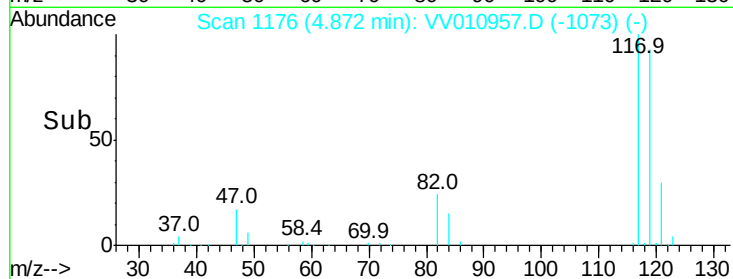
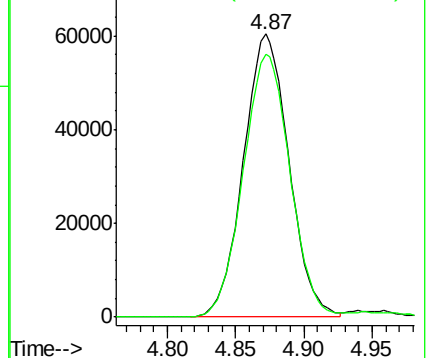
117 100

119 95.6 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 50.742 ug/L

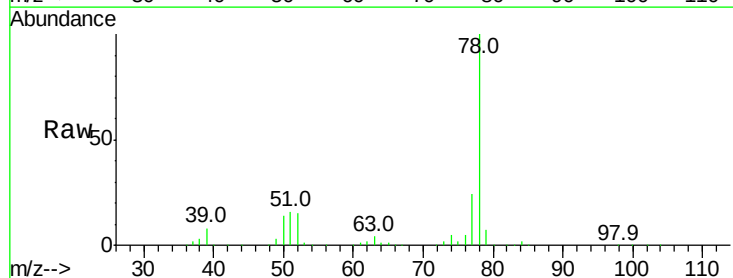
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

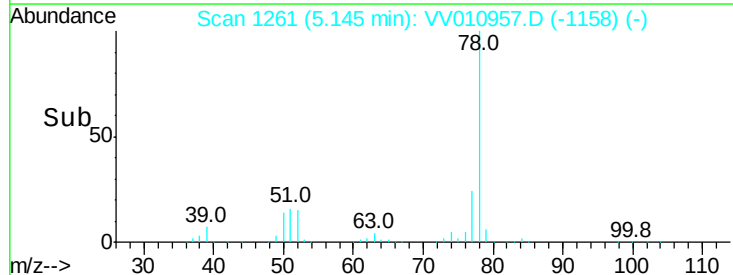
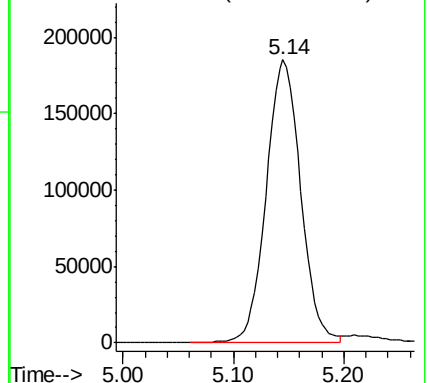
Lab File: VV010957.D

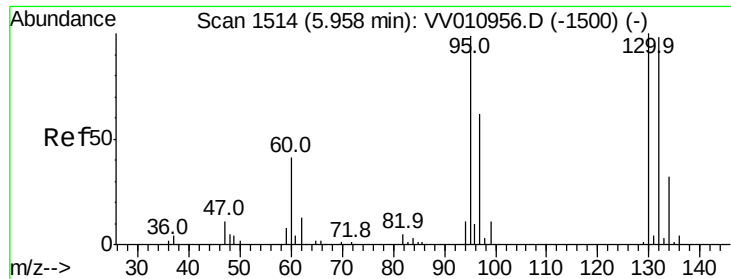
Acq: 20 May 2019 13:38

Tgt Ion: 78 Resp: 401339



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 53.755 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tgt Ion: 95 Resp: 110197

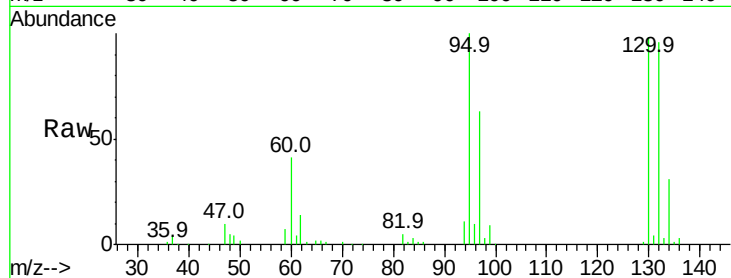
Ion Ratio Lower Upper

95 100

97 63.9 43.4 80.6

132 96.1 68.8 127.8

130 102.0 69.9 129.9

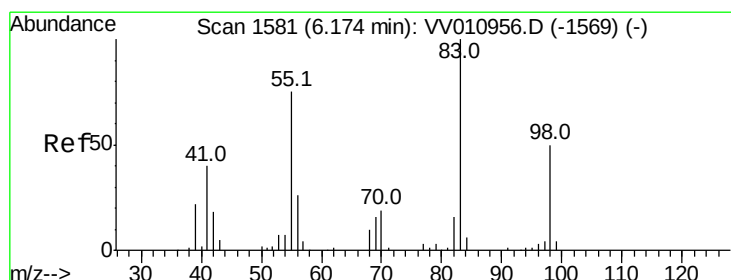
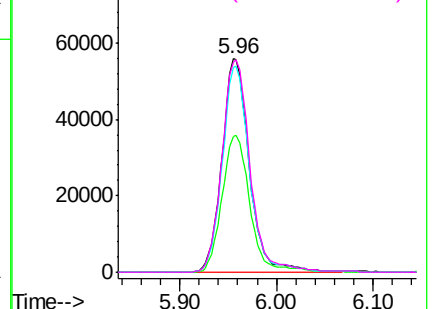
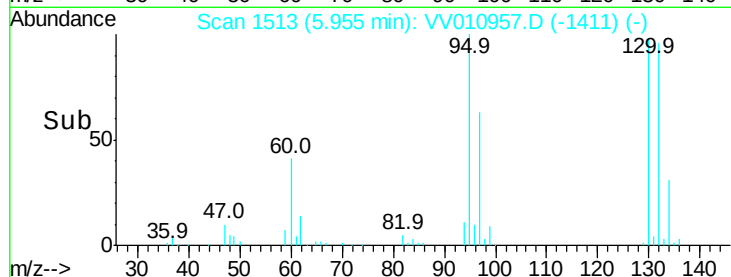


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 59.363 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

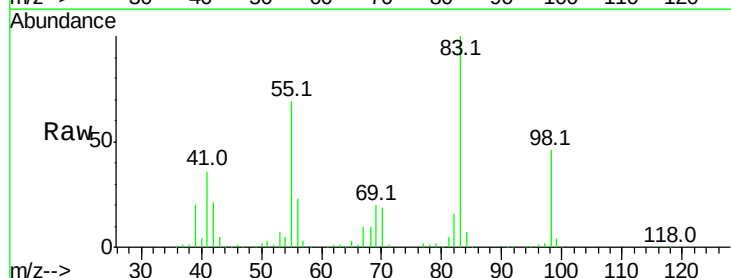
Tgt Ion: 83 Resp: 169345

Ion Ratio Lower Upper

83 100

55 71.7 57.0 85.4

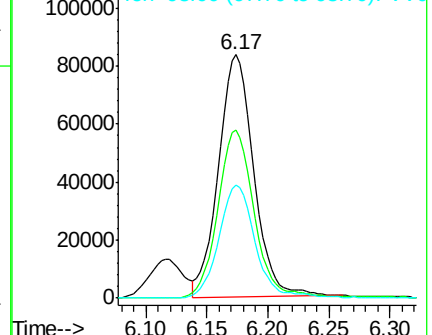
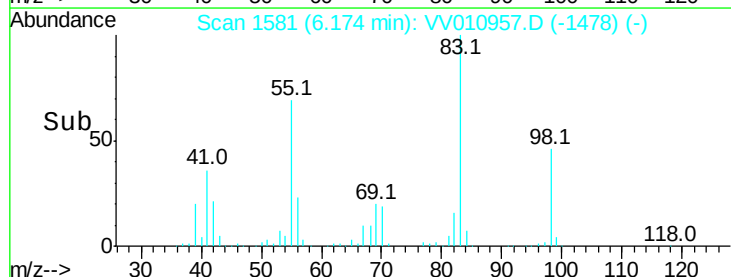
98 47.2 36.2 54.4

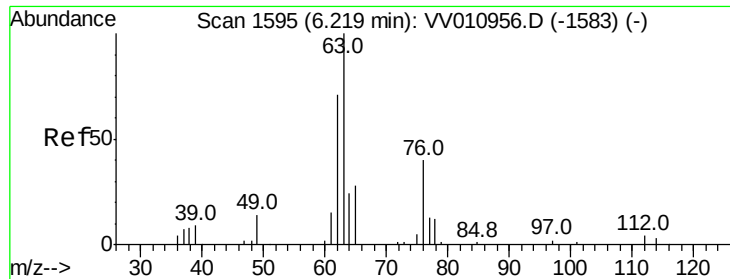


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

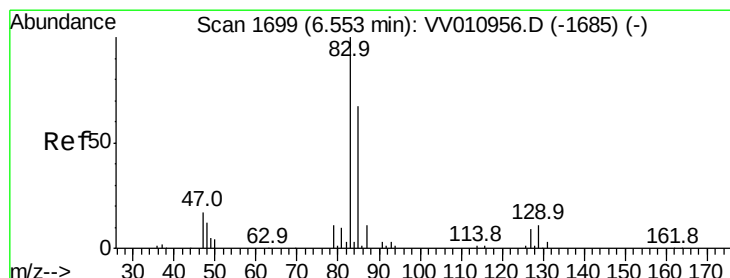
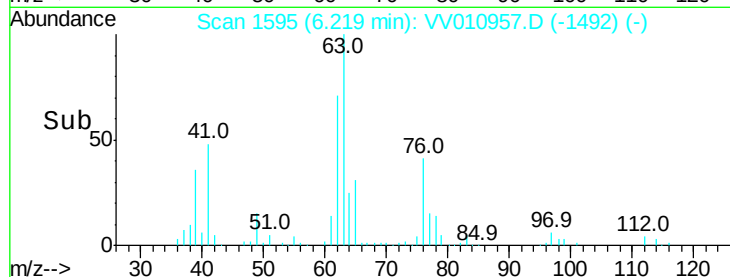
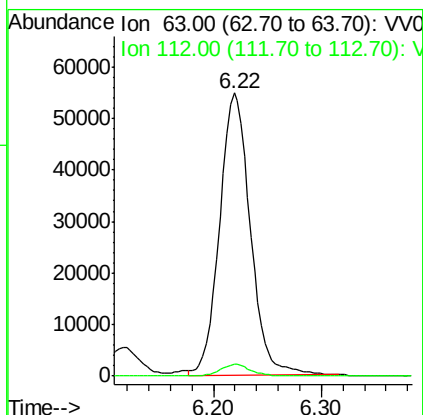
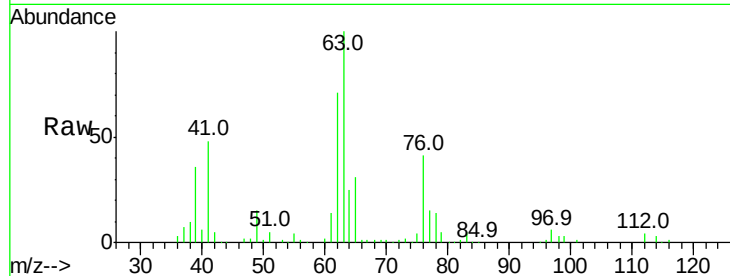




#40
 1,2-Dichloropropane
 Concen: 50.625 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

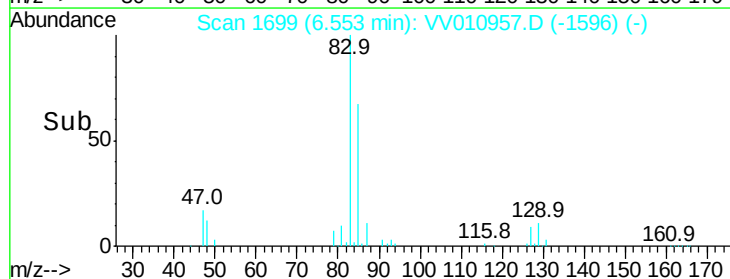
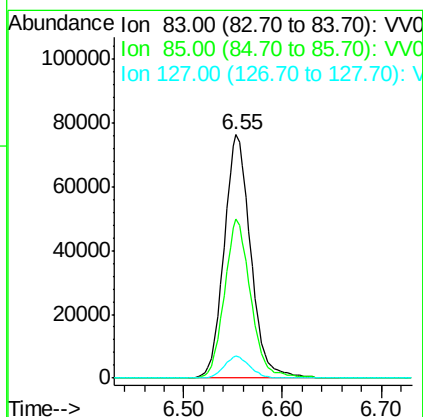
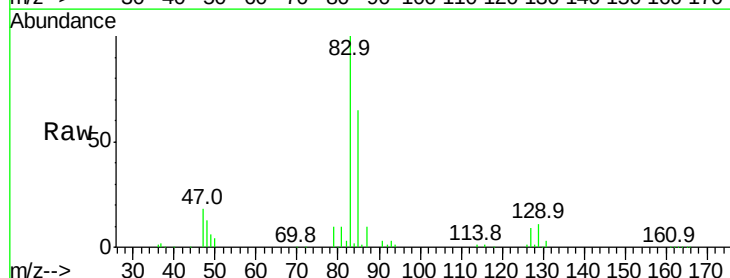
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

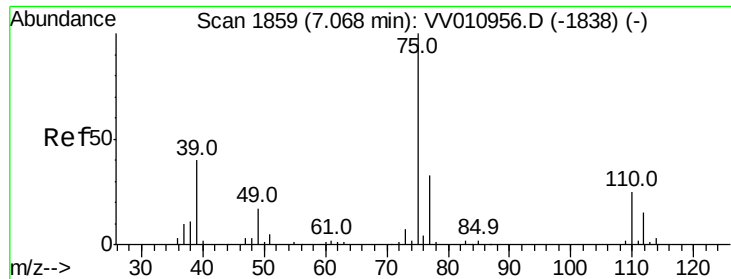
Tgt Ion: 63 Resp: 109059
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#41
 Bromodichloromethane
 Concen: 52.193 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Tgt Ion: 83 Resp: 144179
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.7 86.7
 127 9.0 7.1 10.7



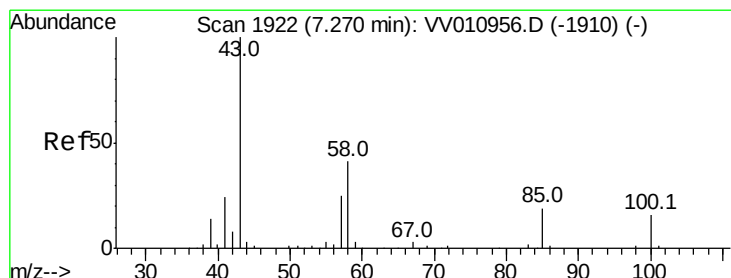
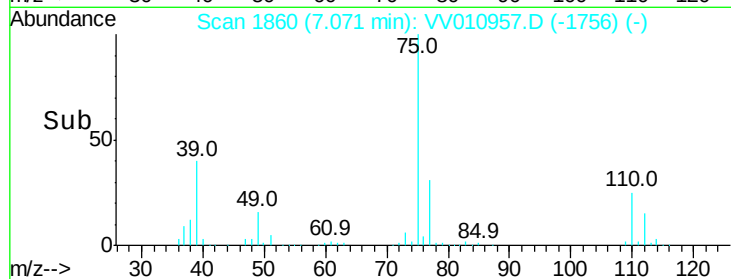
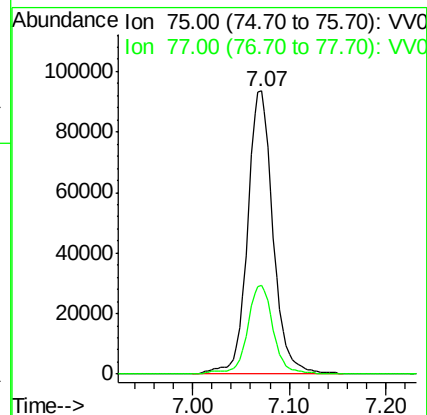
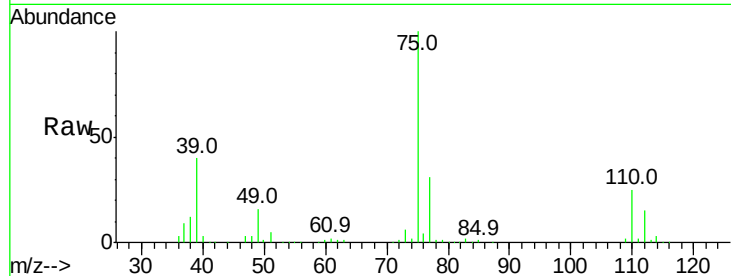


#42

cis-1,3-Dichloropropene
 Concen: 54.486 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05068

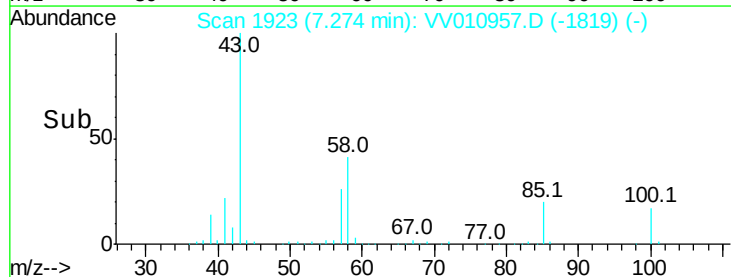
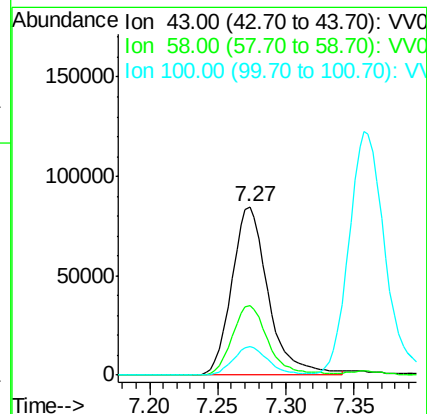
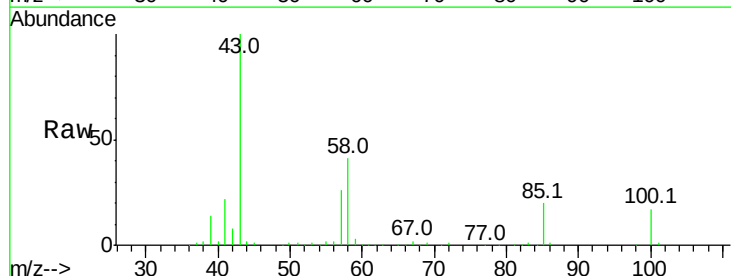
Tgt Ion: 75 Resp: 171244
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.9 42.5

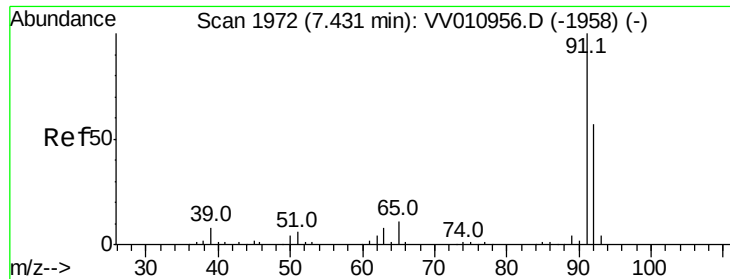


#43

4-Methyl-2-pentanone
 Concen: 103.454 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Tgt Ion: 43 Resp: 157394
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.1 49.7
 100 16.3 13.1 19.7





#44

Toluene

Concen: 53.354 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

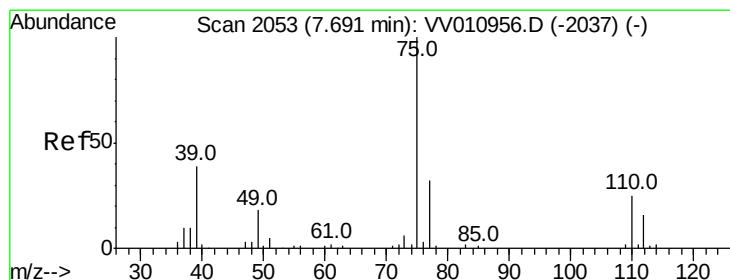
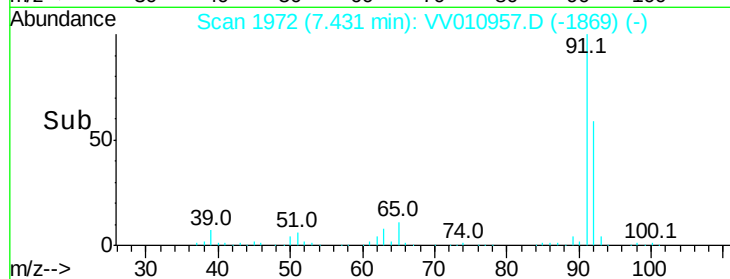
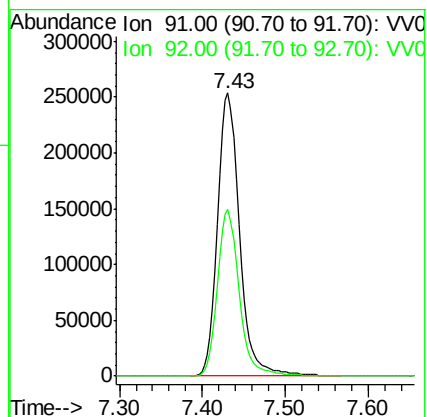
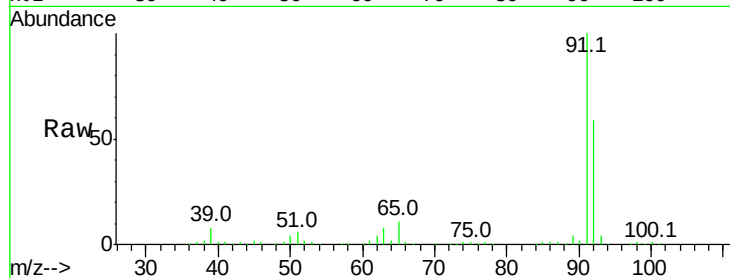
VSTD05068

Tgt Ion: 91 Resp: 469091

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 52.877 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010957.D

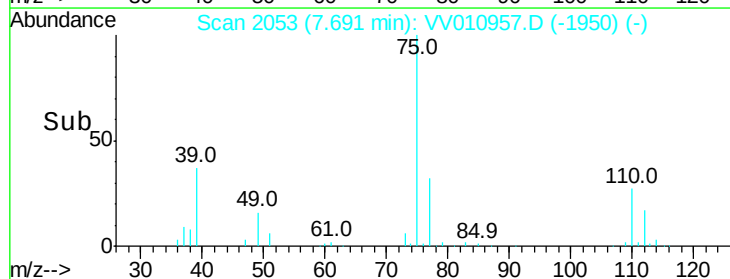
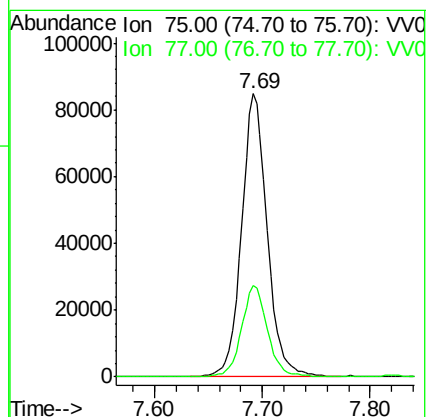
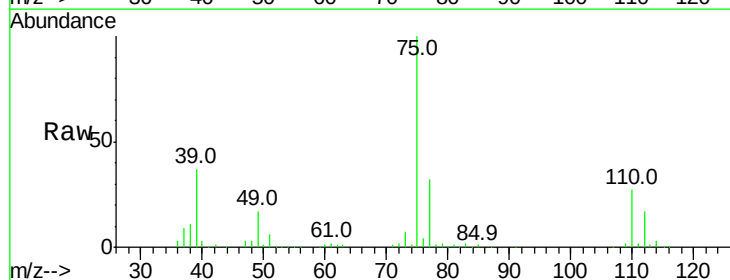
Acq: 20 May 2019 13:38

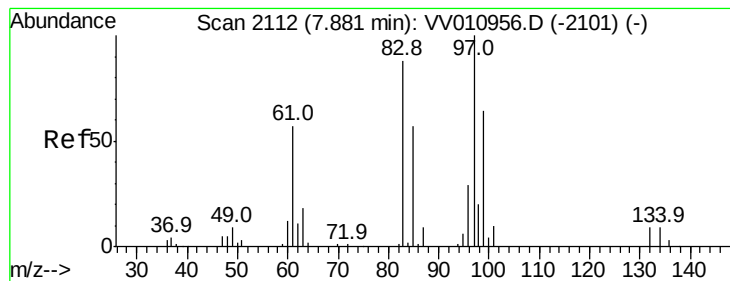
Tgt Ion: 75 Resp: 140454

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 53.289 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tgt Ion: 97 Resp: 92455

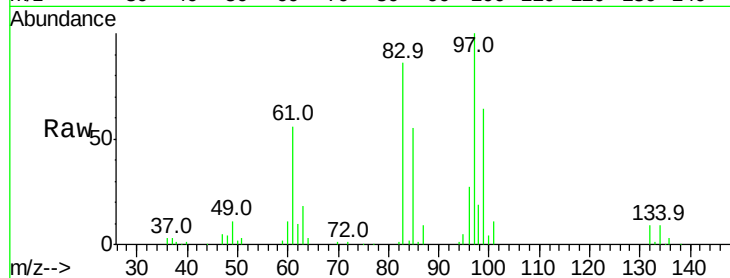
Ion Ratio Lower Upper

97 100

83 86.3 61.6 114.4

85 55.4 40.2 74.6

99 63.6 45.1 83.7



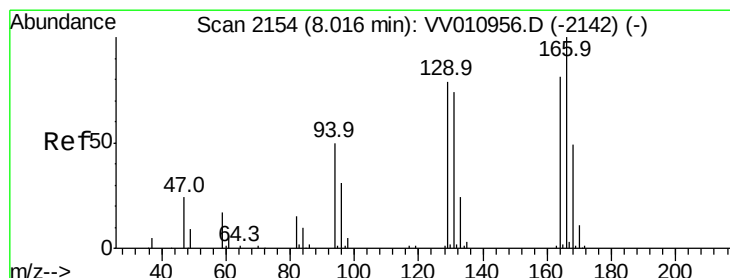
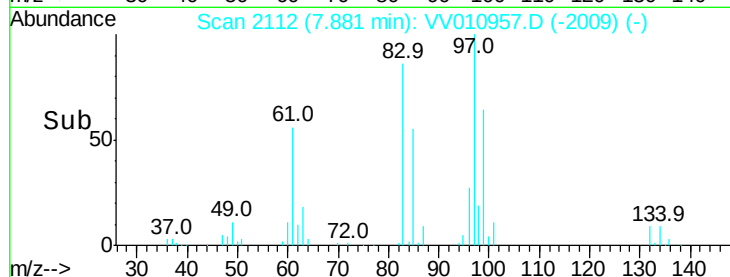
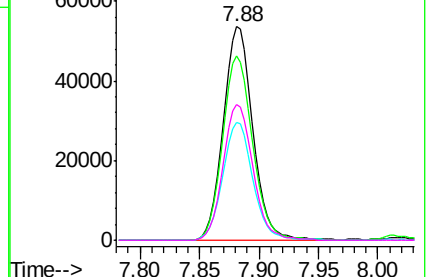
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 55.640 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Tgt Ion: 164 Resp: 84280

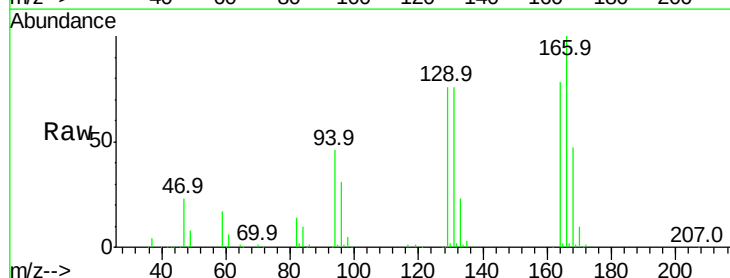
Ion Ratio Lower Upper

164 100

129 97.5 67.8 125.8

131 97.1 64.1 119.1

166 128.5 86.1 159.9



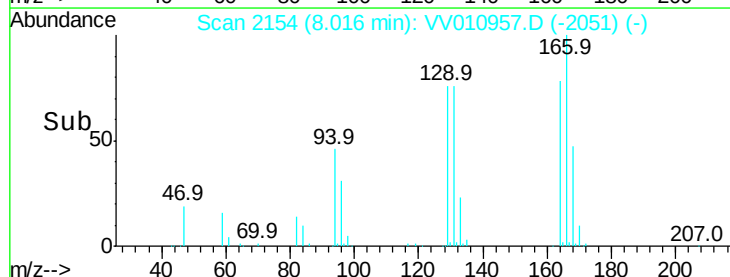
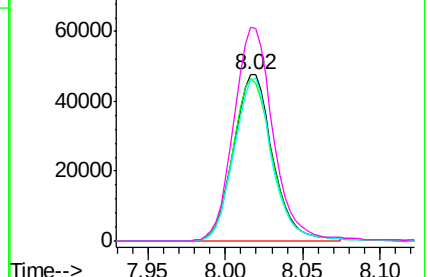
Abundance

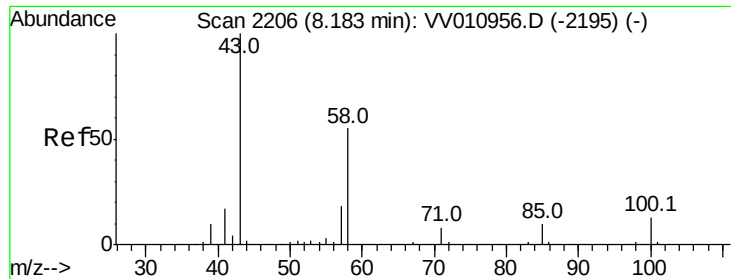
Ion 164.00 (163.70 to 164.70): V

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

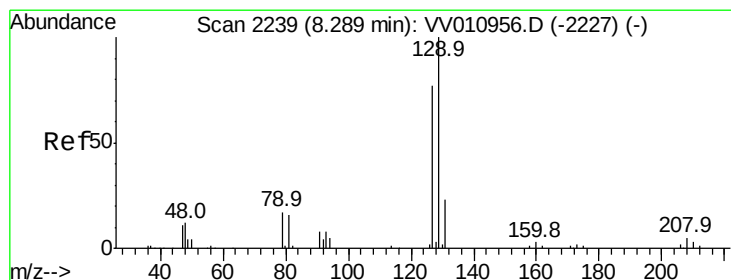
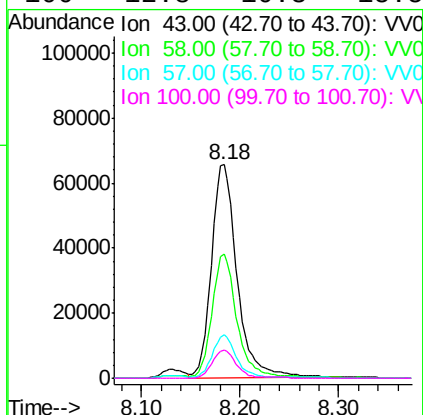
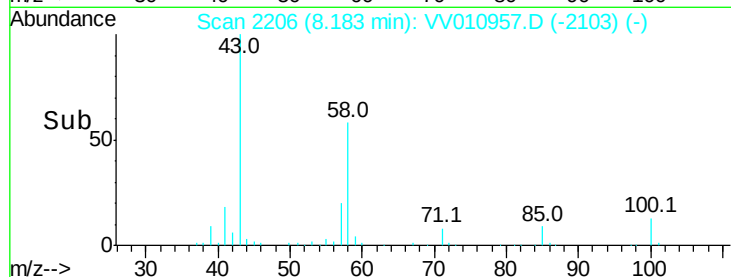
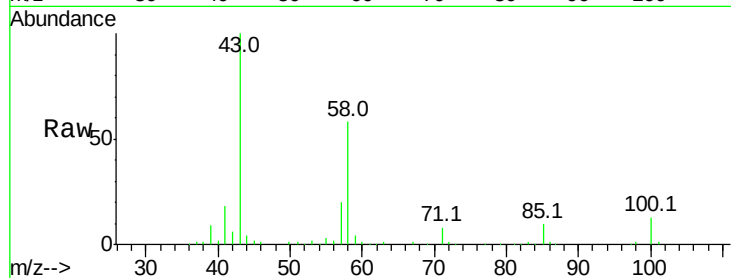




#49
2-Hexanone
Concen: 105.672 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

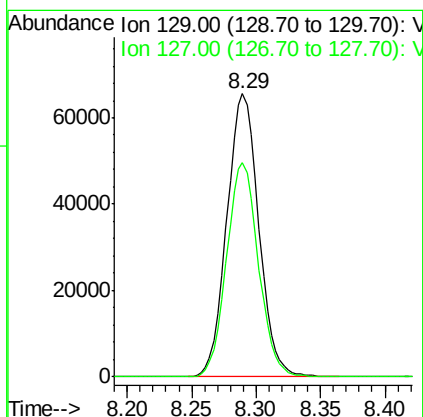
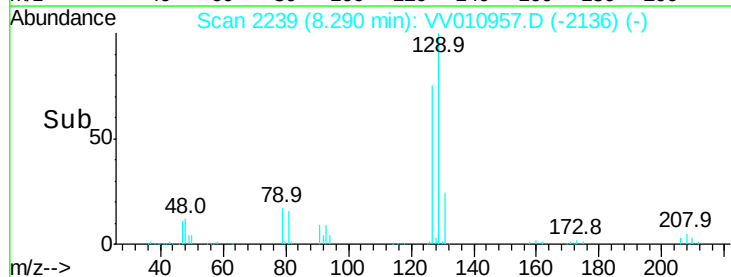
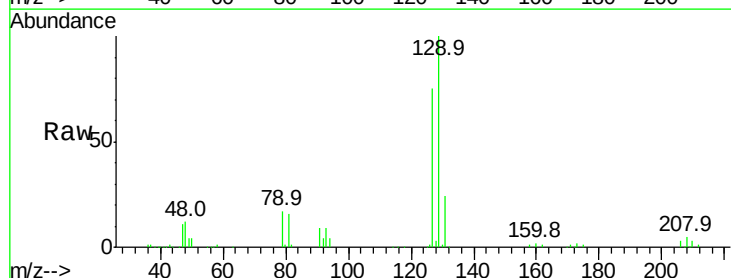
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

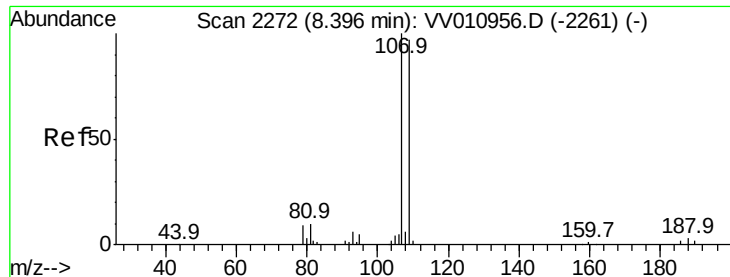
Tgt Ion: 43 Resp: 118736
Ion Ratio Lower Upper
43 100
58 55.9 46.0 69.0
57 18.2 14.5 21.7
100 12.8 10.3 15.5



#50
Dibromochloromethane
Concen: 58.392 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

Tgt Ion: 129 Resp: 112688
Ion Ratio Lower Upper
129 100
127 75.5 54.4 101.0





#51

1,2-Dibromoethane

Concen: 55.129 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

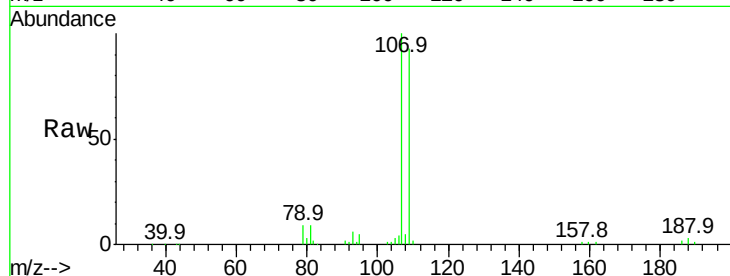
Tgt Ion:107 Resp: 90108

Ion Ratio Lower Upper

107 100

109 92.9 68.0 126.4

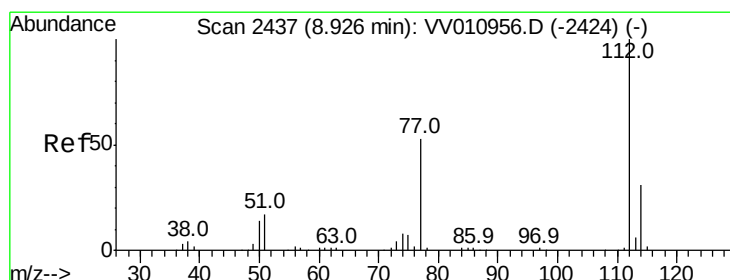
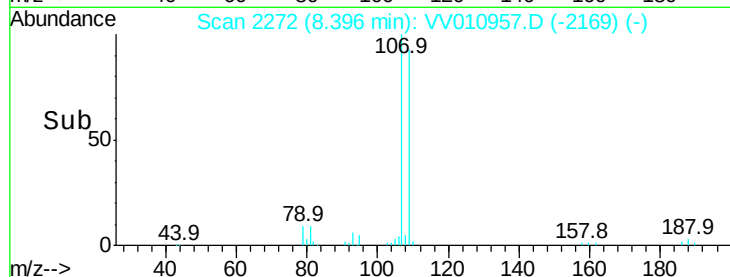
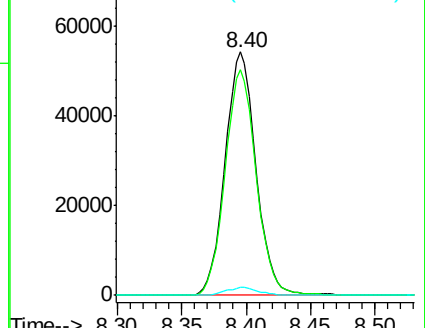
188 3.4 2.3 3.5



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: 52.740 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

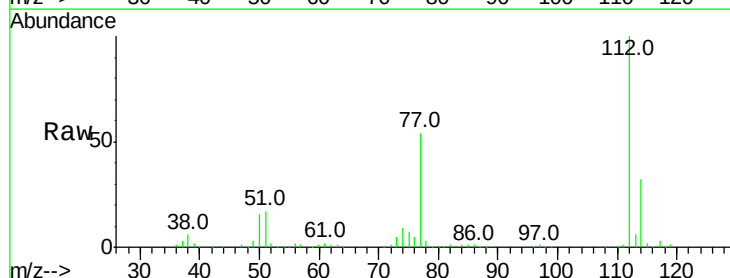
Tgt Ion:112 Resp: 315801

Ion Ratio Lower Upper

112 100

77 53.7 43.0 64.4

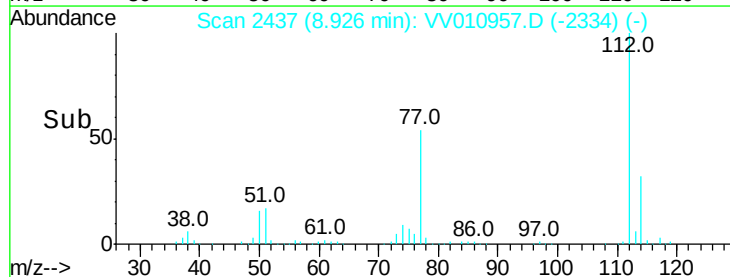
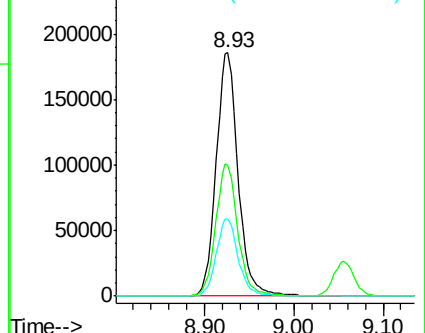
114 31.7 22.0 40.8

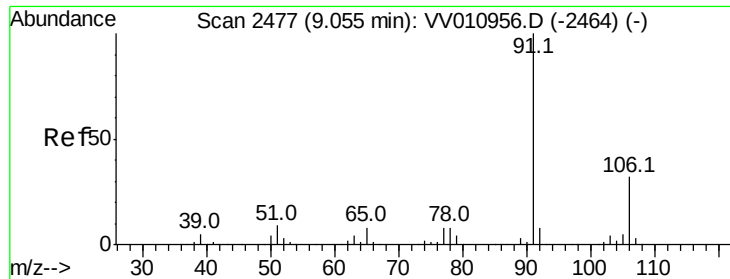


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 53.901 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

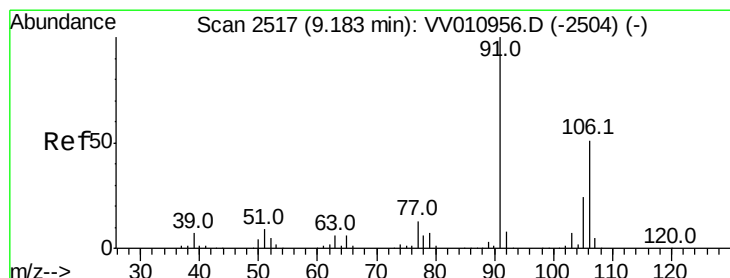
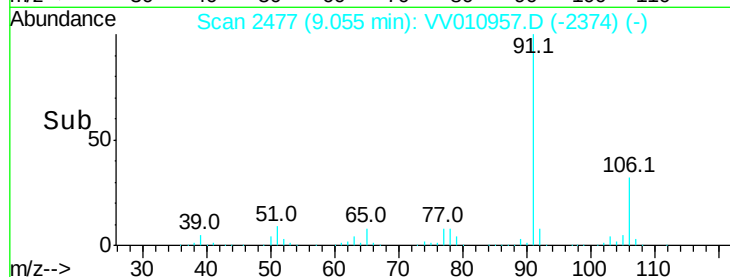
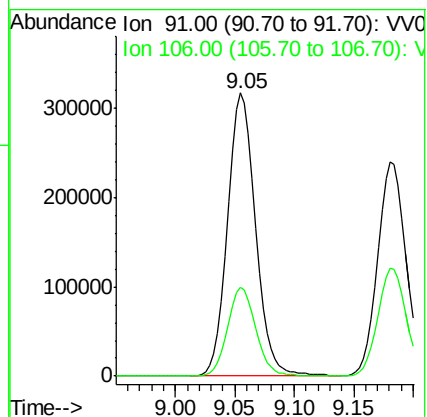
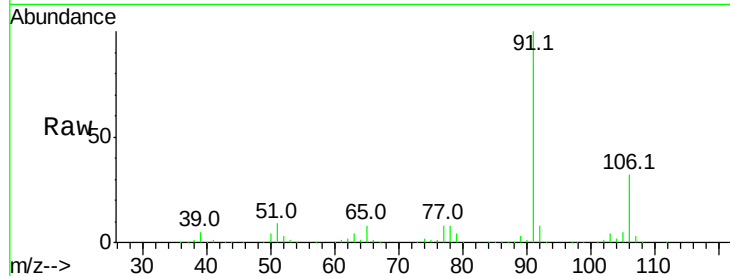
VSTD05068

Tgt Ion: 91 Resp: 519169

Ion Ratio Lower Upper

91 100

106 31.5 22.4 41.6



#54

m,p-Xylene

Concen: 53.261 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010957.D

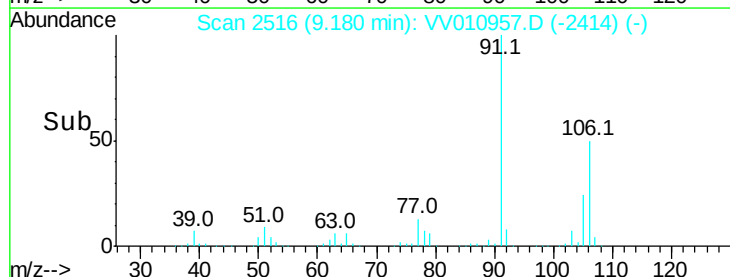
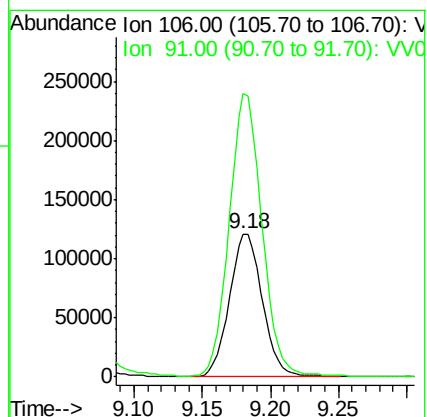
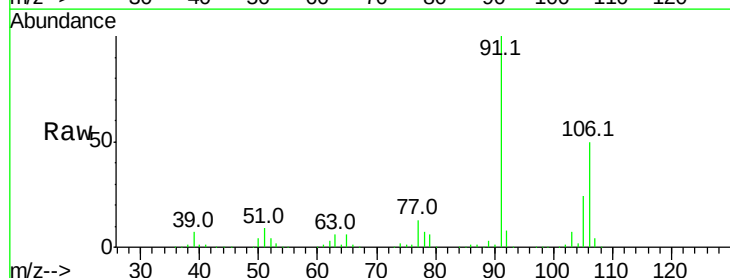
Acq: 20 May 2019 13:38

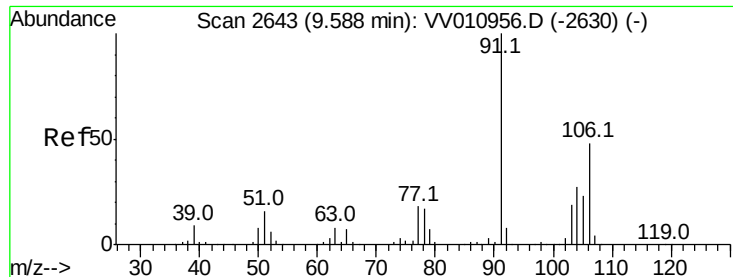
Tgt Ion: 106 Resp: 202129

Ion Ratio Lower Upper

106 100

91 198.3 138.3 256.9

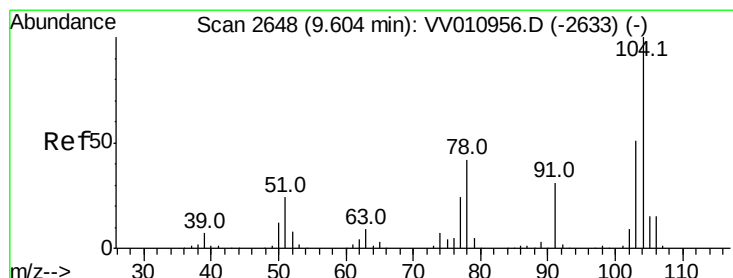
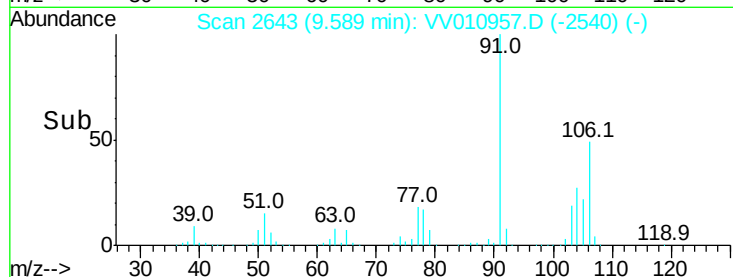
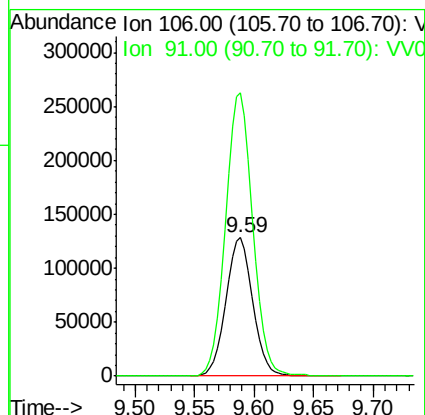
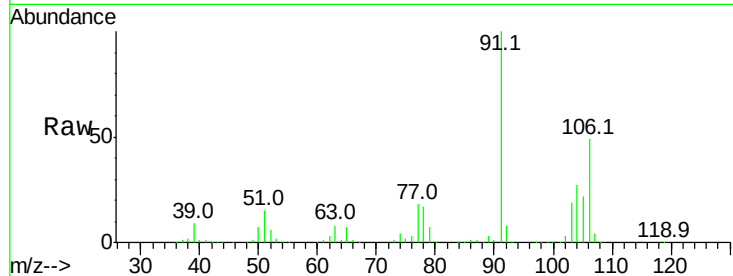




#55
o-xylene
Concen: 53.933 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

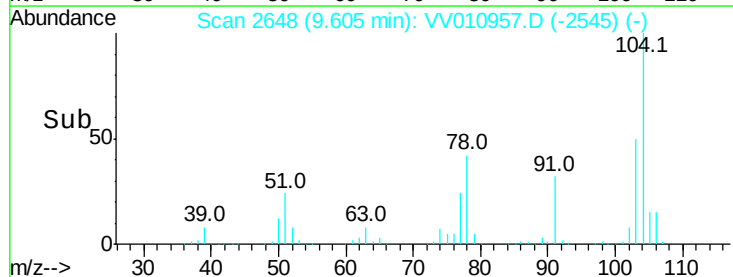
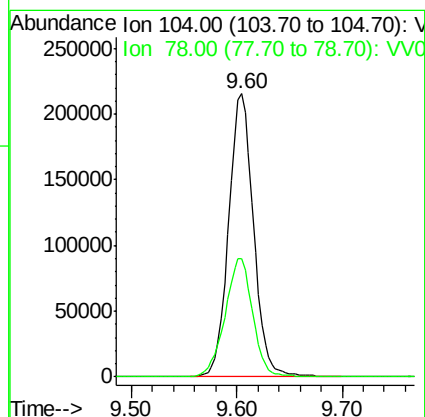
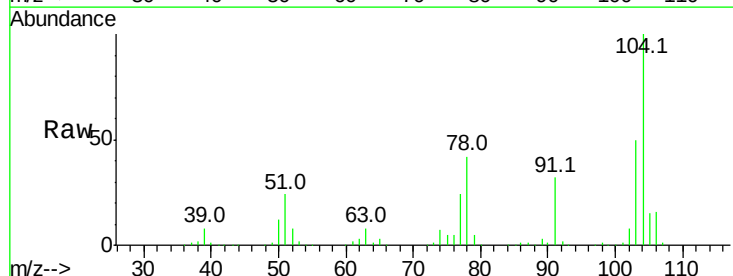
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

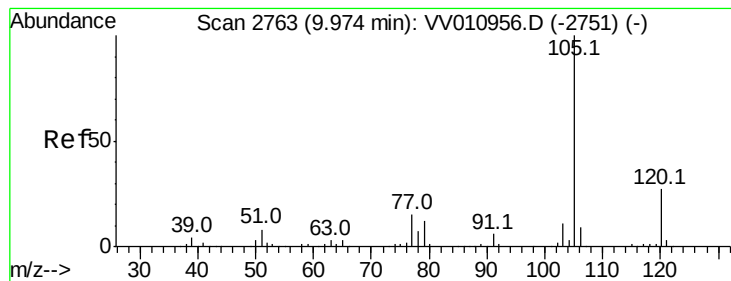
Tgt Ion:106 Resp: 201091
Ion Ratio Lower Upper
106 100
91 204.8 145.9 270.9



#56
Styrene
Concen: 55.054 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010957.D
Acq: 20 May 2019 13:38

Tgt Ion:104 Resp: 351982
Ion Ratio Lower Upper
104 100
78 41.7 29.2 54.2





#57

Isopropylbenzene

Concen: 55.597 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

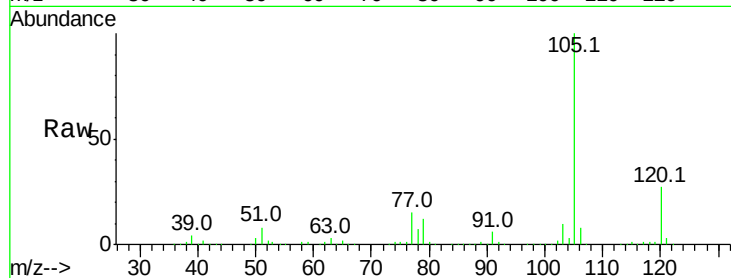
Tgt Ion:105 Resp: 518896

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

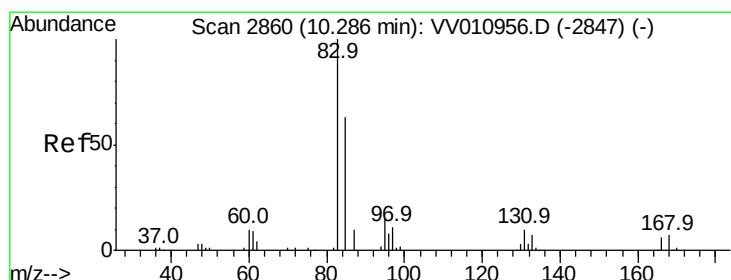
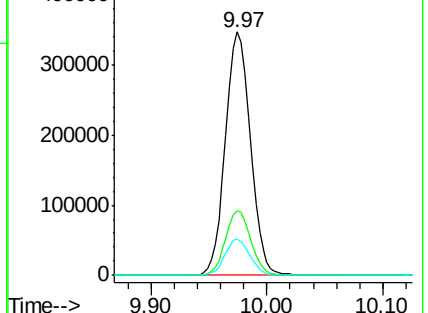
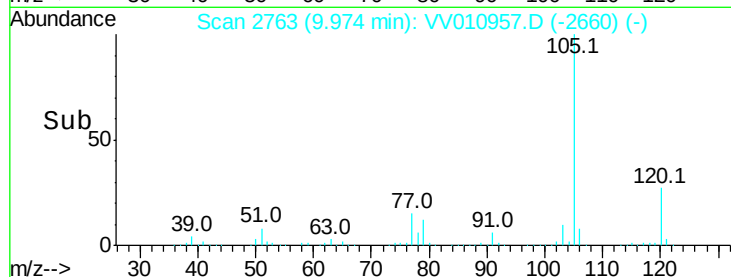
77 14.7 12.2 18.2



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: 52.542 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

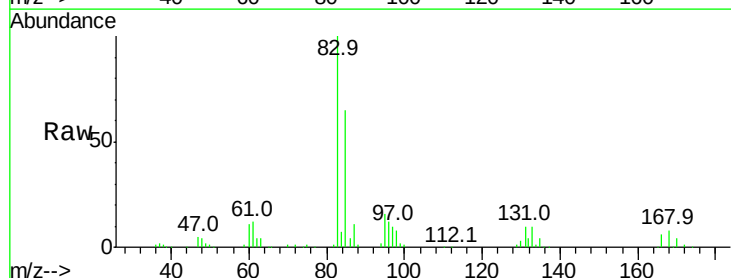
Tgt Ion: 83 Resp: 120390

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.5

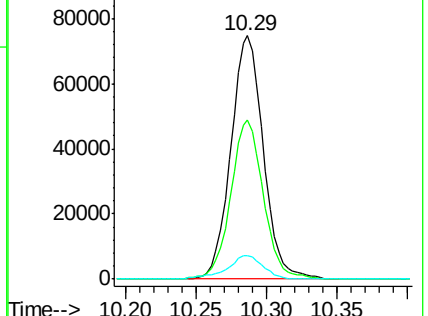
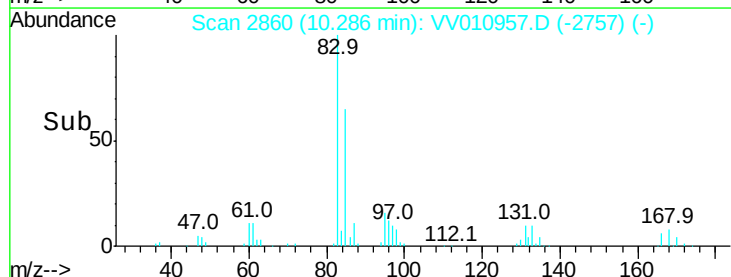
131 9.8 8.2 12.4

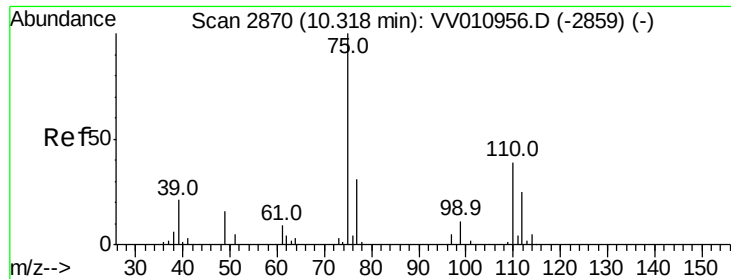


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

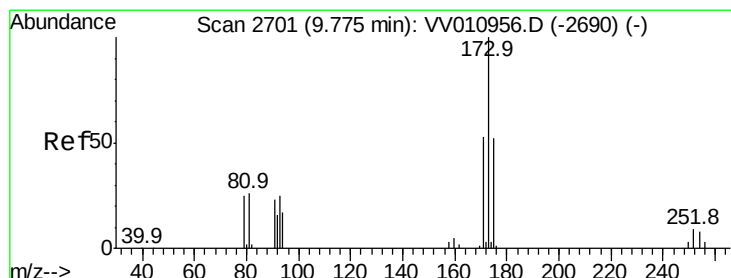
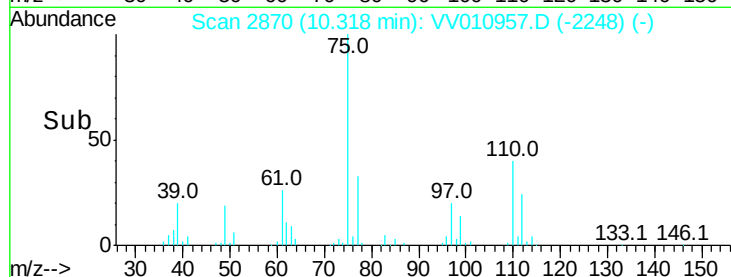
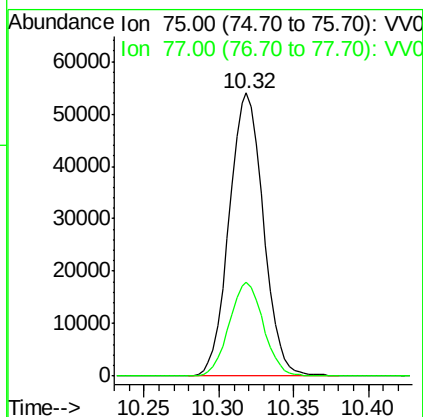
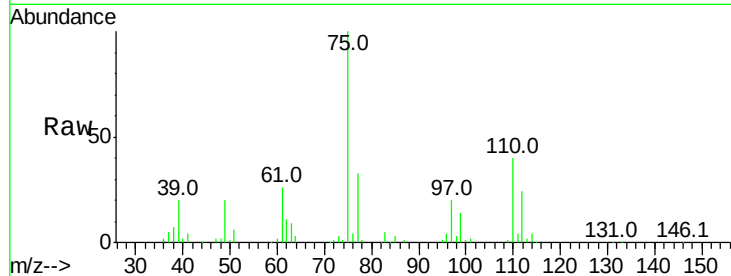




#59
 1,2,3-Trichloropropane
 Concen: 51.849 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

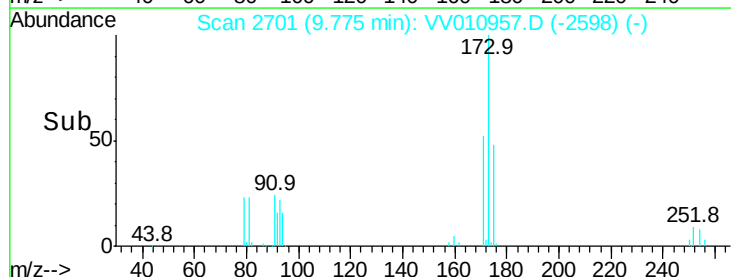
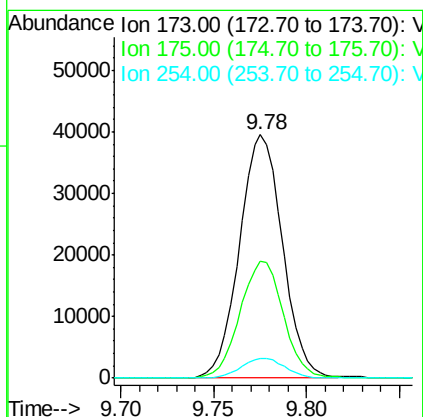
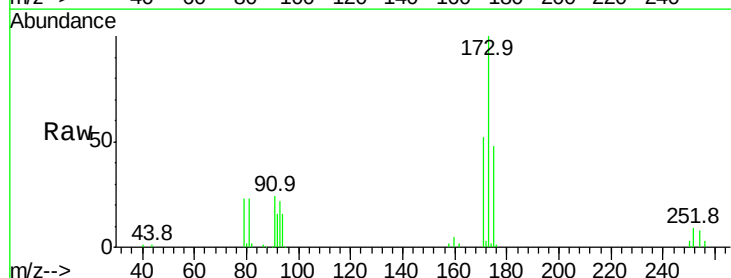
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

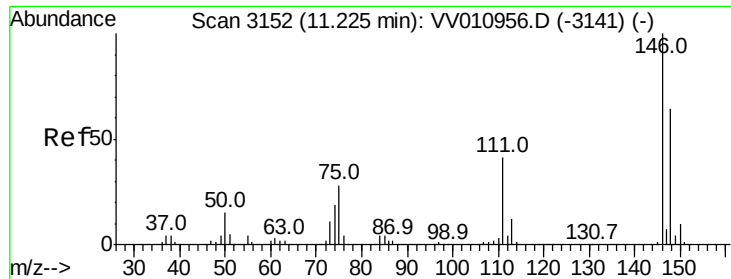
Tgt Ion: 75 Resp: 86078
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.2



#62
 Bromoform
 Concen: 58.587 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Tgt Ion: 173 Resp: 63931
 Ion Ratio Lower Upper
 173 100
 175 48.4 40.3 60.5
 254 8.3 6.1 9.1

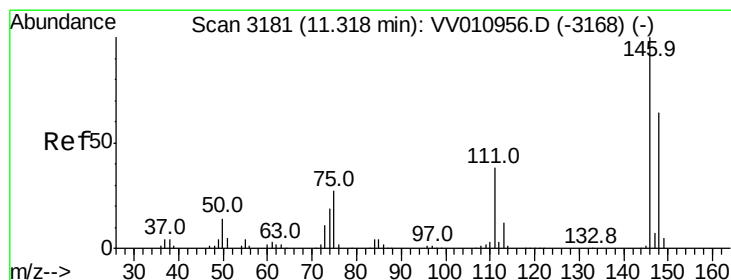
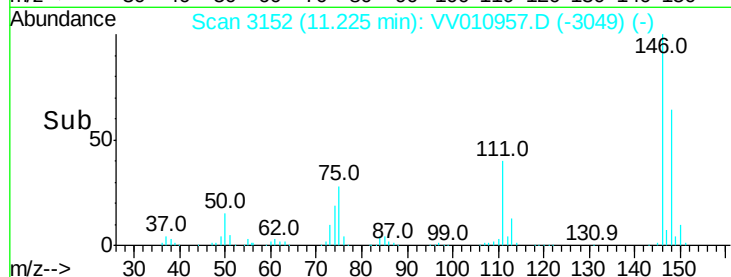
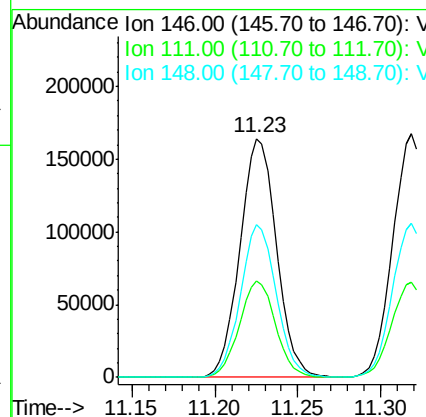
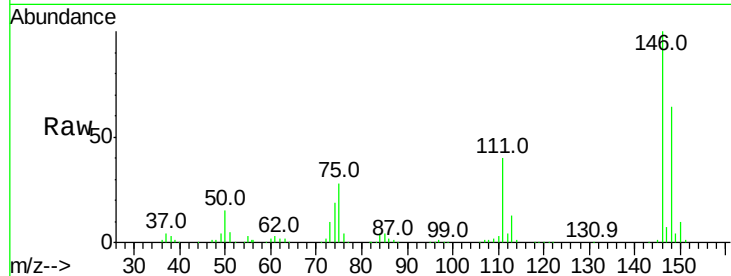




#63
 1,3-Dichlorobenzene
 Concen: 52.088 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

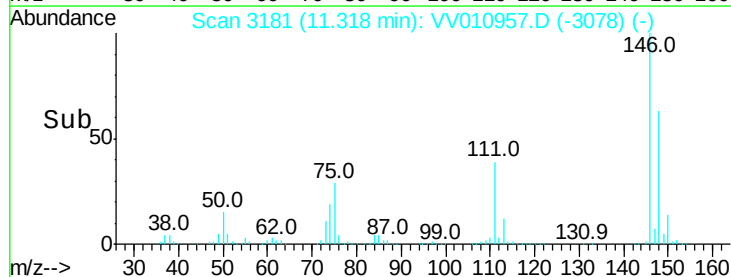
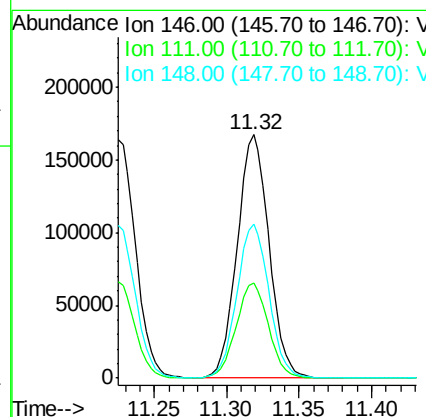
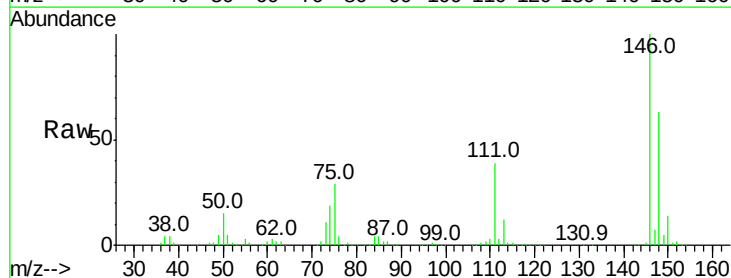
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

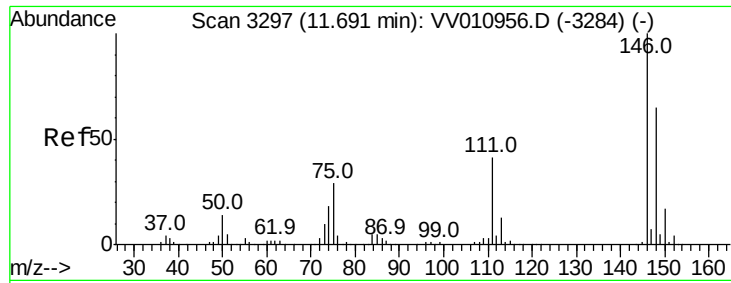
Tgt Ion:146 Resp: 251594
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.4 52.8
 148 64.1 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 50.836 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Tgt Ion:146 Resp: 254368
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.5 49.1
 148 63.0 45.0 83.6

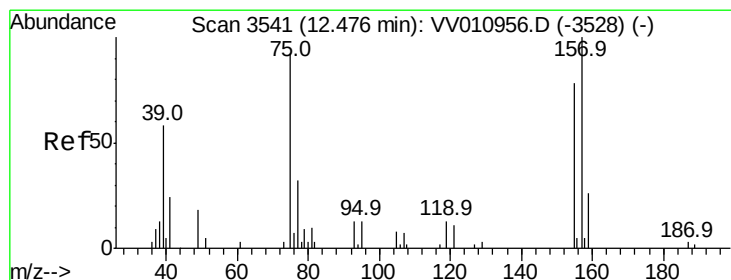
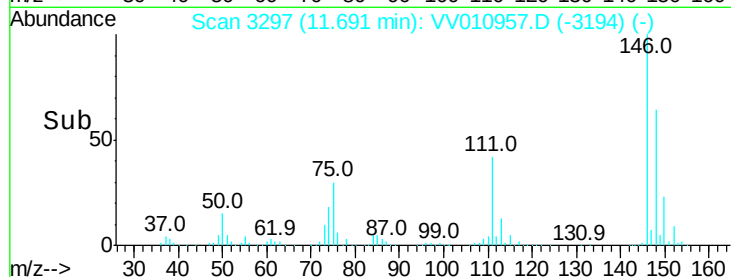
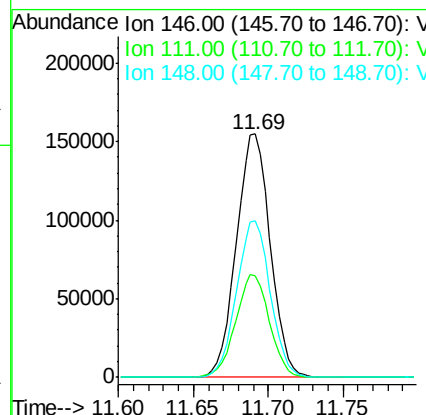
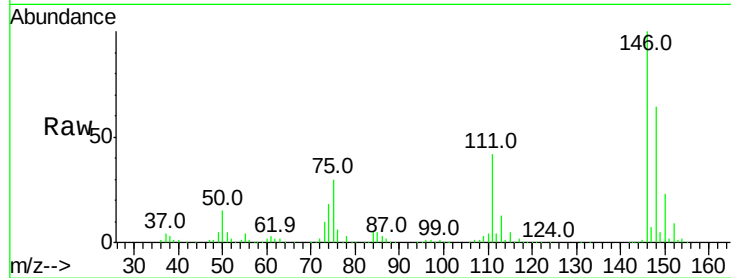




#65
 1,2-Dichlorobenzene
 Concen: 50.696 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

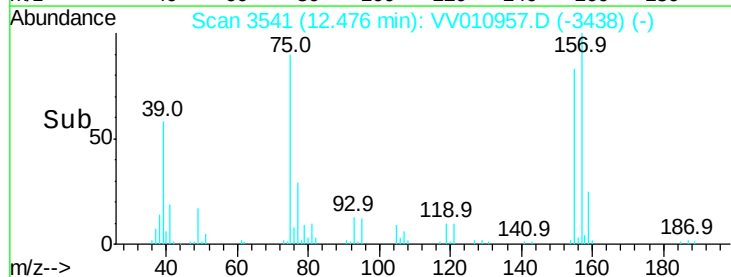
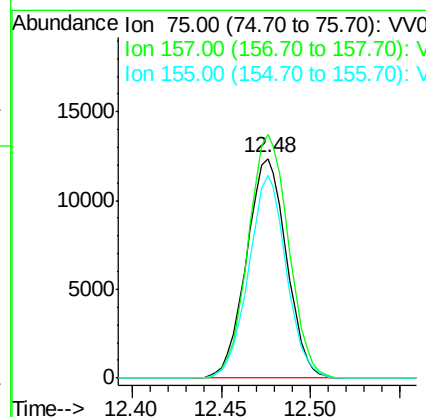
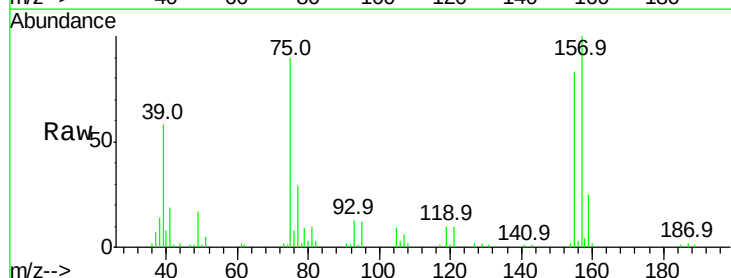
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

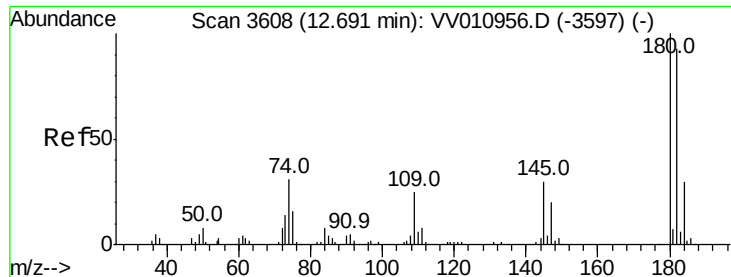
Tgt Ion: 146 Resp: 244299
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.8 49.2
 148 64.2 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.569 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Tgt Ion: 75 Resp: 19333
 Ion Ratio Lower Upper
 75 100
 157 111.0 87.0 130.4
 155 92.4 67.8 101.8

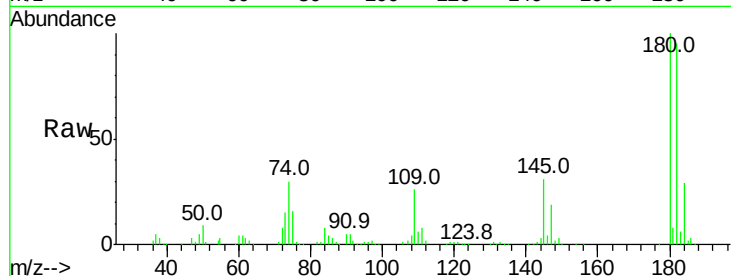




#67
 1,3,5-Trichlorobenzene
 Concen: 53.191 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.1	24.6	37.0
145	31.0	24.1	36.1

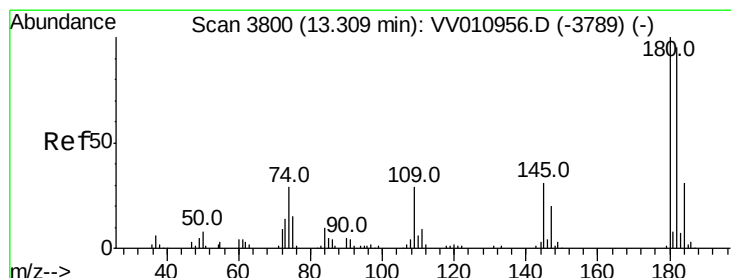
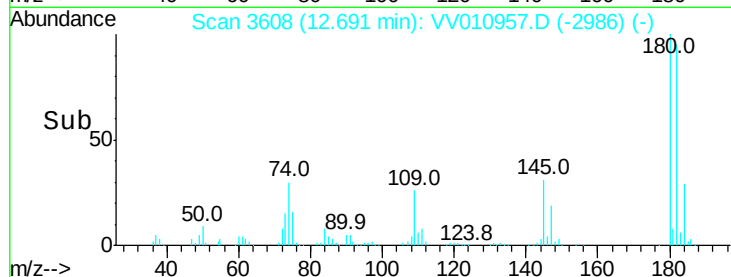
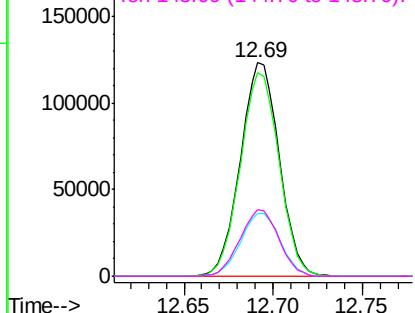


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

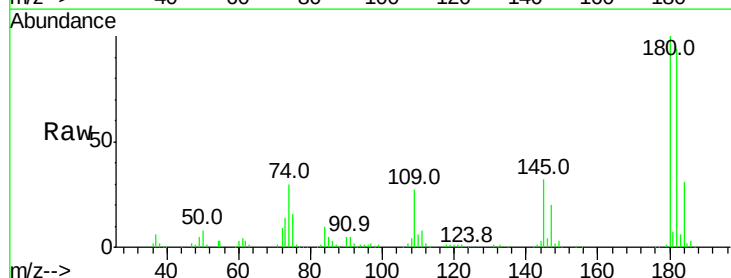
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.918 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010957.D
 Acq: 20 May 2019 13:38

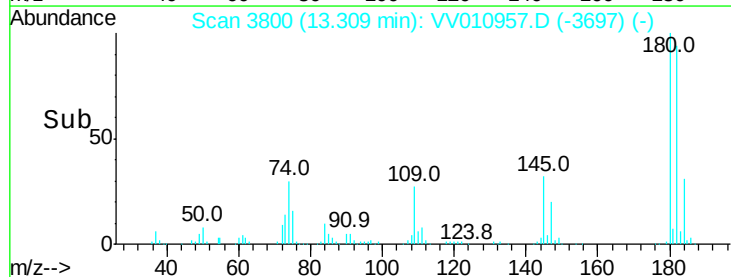
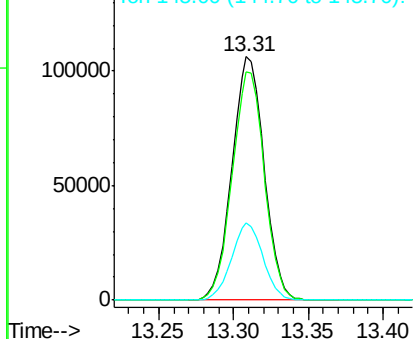
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.4	113.2
145	31.0	25.1	37.7

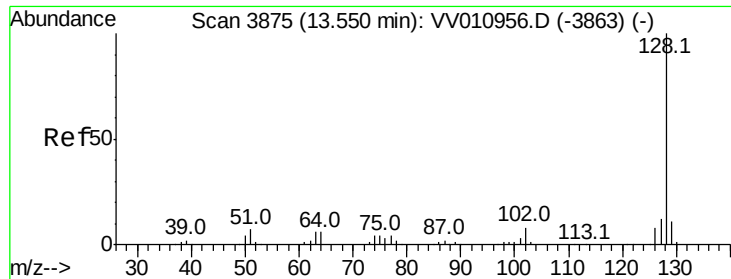


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 58.539 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

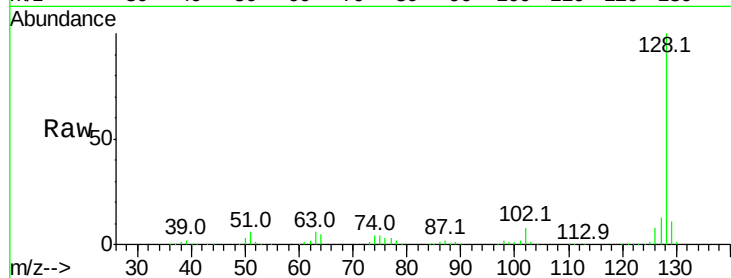
Tgt Ion:128 Resp: 348552

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

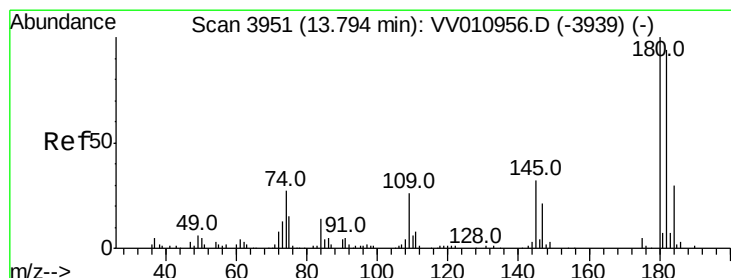
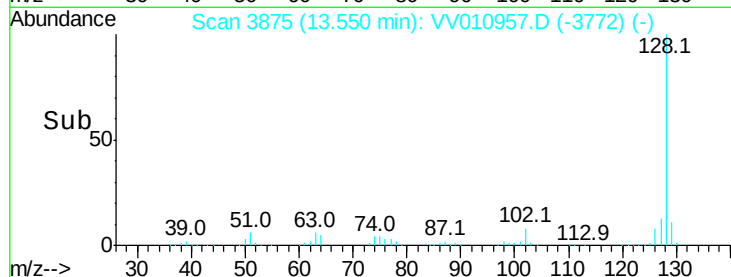
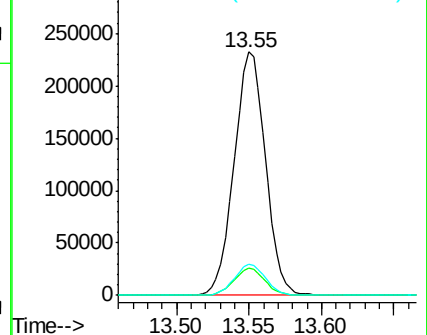
127 12.7 10.3 15.5



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: 56.556 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010957.D

Acq: 20 May 2019 13:38

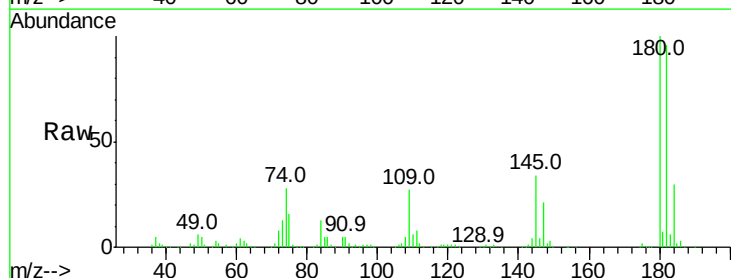
Tgt Ion:180 Resp: 152999

Ion Ratio Lower Upper

180 100

182 95.7 75.7 113.5

145 34.0 26.9 40.3



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

