

Data File : VV011499.D
Acq On : 14 Jun 2019 17:08
Operator : SY/MD
Sample : VSTD00150
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Quant Time: Jun 14 18:27:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:24:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173407	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	158478	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14408	1.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	8678	0.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	27550	1.05	ug/L	0.00
20) 2-Butanone-d5	3.96	46	40345	13.64	ug/L	0.00
24) Chloroform-d	4.40	84	26109	1.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14257	1.14	ug/L	0.00
32) Benzene-d6	5.10	84	50200	1.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16352	1.12	ug/L	0.00
41) Toluene-d8	7.36	98	44677	1.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	4801	0.86	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	27892	11.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11798	1.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	14195	1.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16632	0.973 ug/L	99
3) Chloromethane	1.25	50	18650	1.128 ug/L	99
5) Vinyl chloride	1.32	62	18456	1.157 ug/L	97
6) Bromomethane	1.53	94	7666	0.924 ug/L	98
8) Chloroethane	1.60	64	9131	0.896 ug/L	85
9) Trichlorofluoromethane	1.76	101	21052	0.961 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11359	1.010 ug/L	100
12) 1,1-Dichloroethene	2.13	96	11905	1.090 ug/L	95
13) Acetone	2.21	43	27349	13.789 ug/L	99
14) Carbon disulfide	2.31	76	30894	0.932 ug/L	99
15) Methyl Acetate	2.47	43	7421	1.409 ug/L	# 87
16) Methylene chloride	2.53	84	14274	1.268 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	34422	1.180 ug/L	94
18) trans-1,2-Dichloroethene	2.78	96	13248	1.083 ug/L	99
19) 1,1-Dichloroethane	3.23	63	27186	1.127 ug/L	97
21) 2-Butanone	4.05	43	41733	13.663 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	15006	1.108 ug/L	99
23) Bromochloromethane	4.30	128	6271	1.208 ug/L	89
25) Chloroform	4.42	83	27247	1.093 ug/L	100
27) 1,2-Dichloroethane	5.18	62	18897	1.241 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	20766	1.027 ug/L	97
30) Cyclohexane	4.72	56	21320	0.951 ug/L	97
31) Carbon tetrachloride	4.87	117	16217	0.960 ug/L	97
33) Benzene	5.14	78	55714	1.105 ug/L	100
34) Trichloroethene	5.96	95	14452	1.109 ug/L	92
35) Methylcyclohexane	6.17	83	18935	0.879 ug/L	97
37) 1,2-Dichloropropane	6.22	63	14521	1.157 ug/L	99
38) Bromodichloromethane	6.56	83	16136	1.040 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	17222	0.938 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	103215	12.914 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:24:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	57256	1.065	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	12519	0.897	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	10122	1.260	ug/L	96
47) Tetrachloroethene	8.02	164	10363	1.101	ug/L	96
48) 2-Hexanone	8.19	43	72507	13.008	ug/L	99
49) Dibromochloromethane	8.29	129	9002	0.986	ug/L	95
50) 1,2-Dibromoethane	8.40	107	8752	1.146	ug/L #	98
51) Chlorobenzene	8.92	112	35650	1.088	ug/L	99
52) Ethylbenzene	9.05	91	57885	0.970	ug/L	97
53) m,p-xylene	9.18	106	21147	0.958	ug/L	100
54) o-xylene	9.59	106	21270	0.982	ug/L	99
55) Styrene	9.60	104	34607	0.981	ug/L	100
56) Isopropylbenzene	9.97	105	53089	0.911	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	12071	1.239	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	9484	1.296	ug/L	98
61) Bromoform	9.77	173	4105	1.033	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	22665	1.036	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	23533	1.108	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	23778	1.176	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1670	1.152	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	16539	1.051	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	12659	1.059	ug/L	95
69) Naphthalene	13.55	128	24904	1.273	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	12279	1.146	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 :
VSTD00132

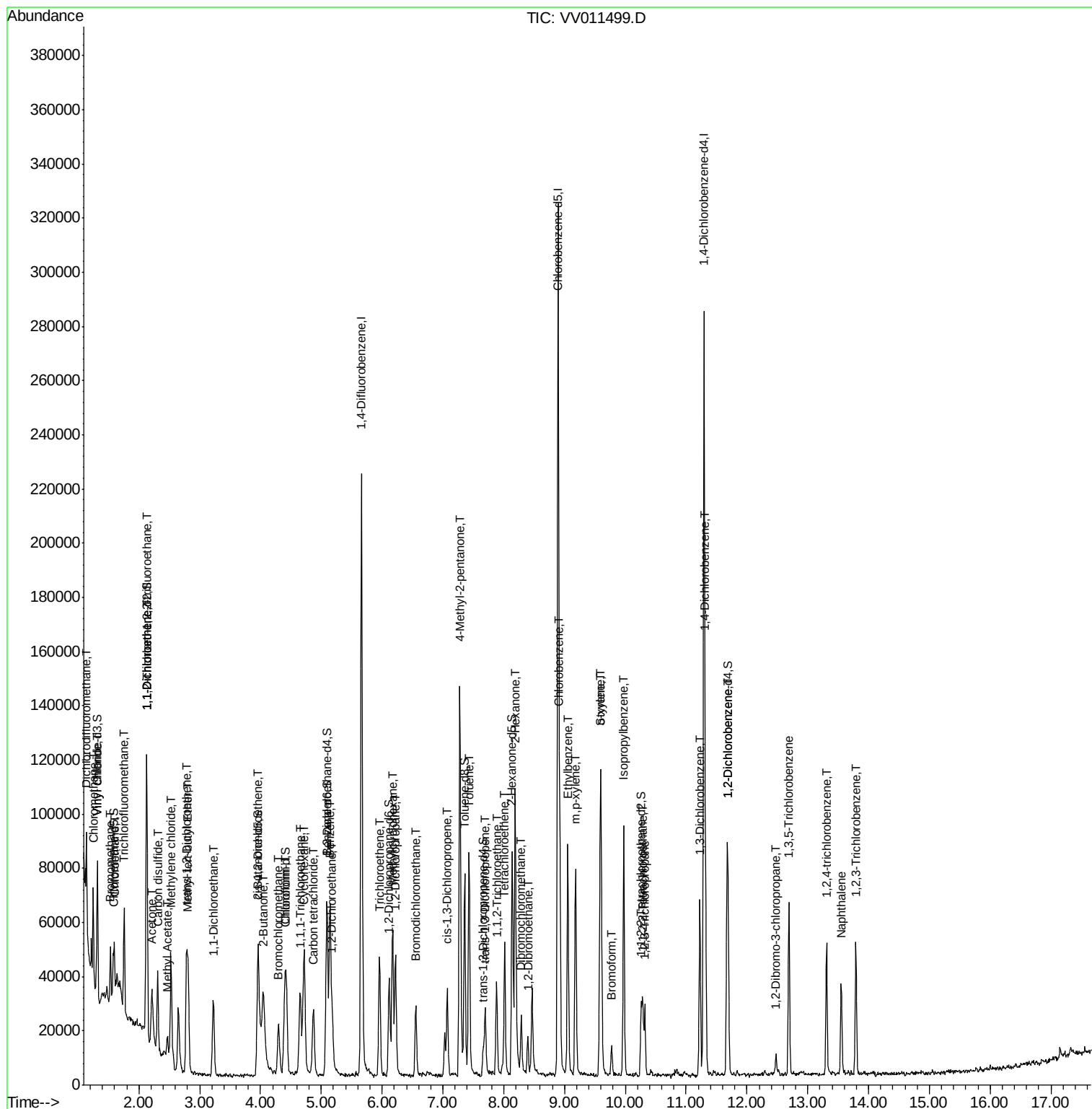
Quant Time: Jun 14 18:27:55 2019

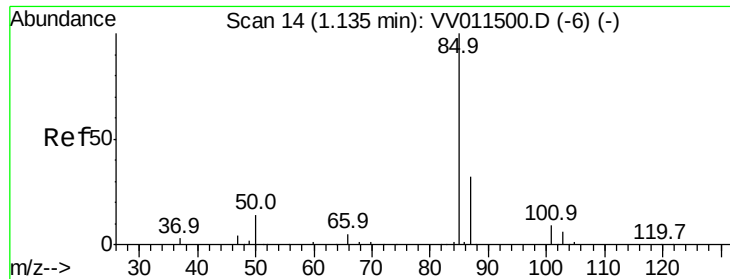
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.973 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

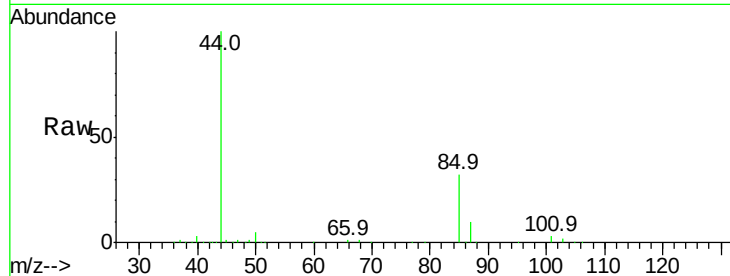
VSTD00132

Tgt Ion: 85 Resp: 16632

Ion Ratio Lower Upper

85 100

87 33.2 25.9 38.9



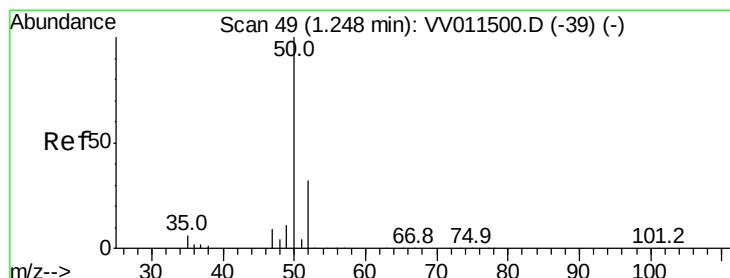
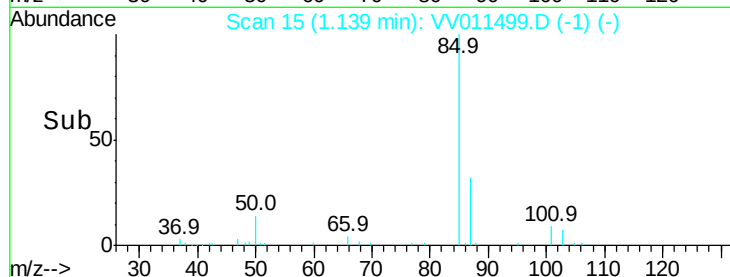
Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

1.12 1.14 1.16 1.18

Time-->



#3

Chloromethane

Concen: 1.128 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011499.D

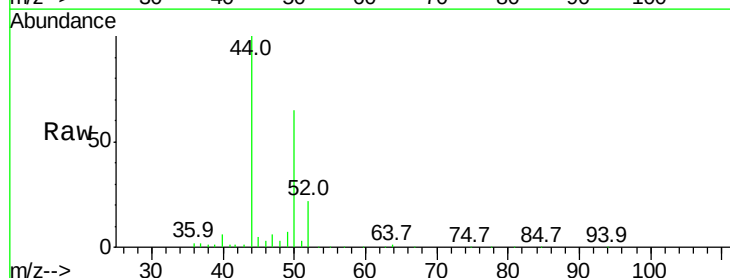
Acq: 14 Jun 2019 17:08

Tgt Ion: 50 Resp: 18650

Ion Ratio Lower Upper

50 100

52 33.0 22.7 42.1



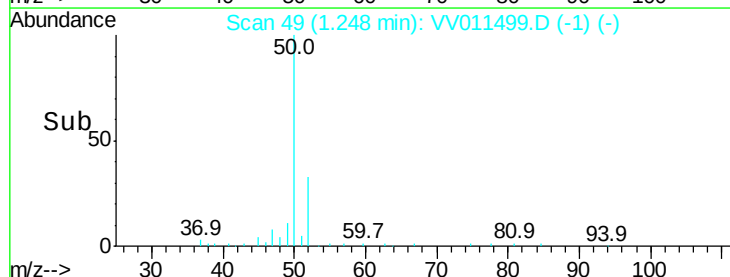
Abundance Ion 50.05 (49.75 to 50.75): VV0

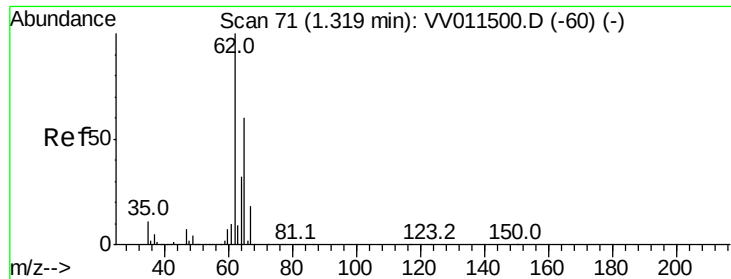
Ion 52.05 (51.75 to 52.75): VV0

1.25

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 1.157 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

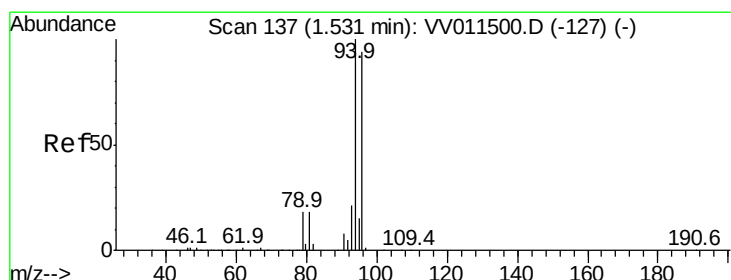
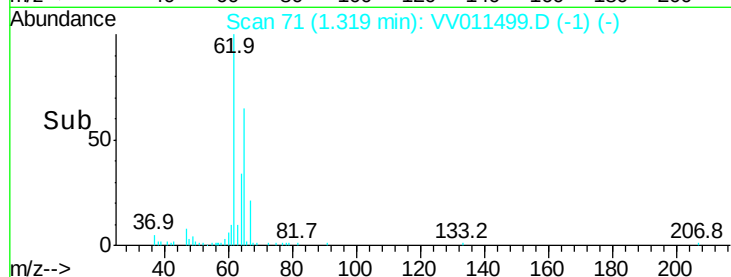
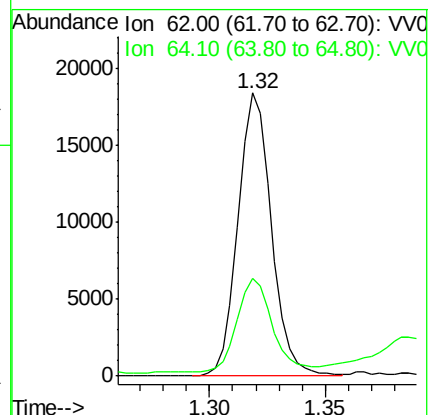
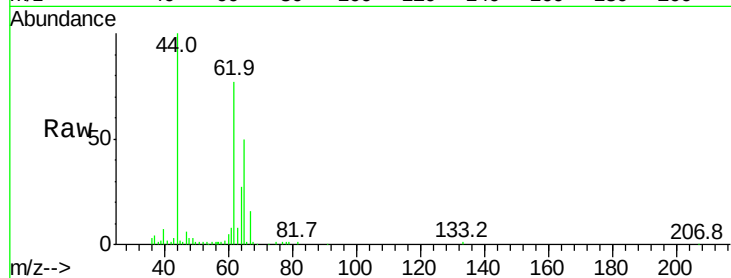
VSTD00132

Tgt Ion: 62 Resp: 18456

Ion Ratio Lower Upper

62 100

64 34.6 23.0 42.6



#6

Bromomethane

Concen: 0.924 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011499.D

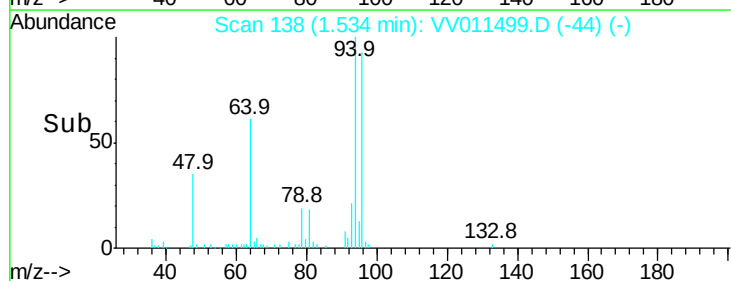
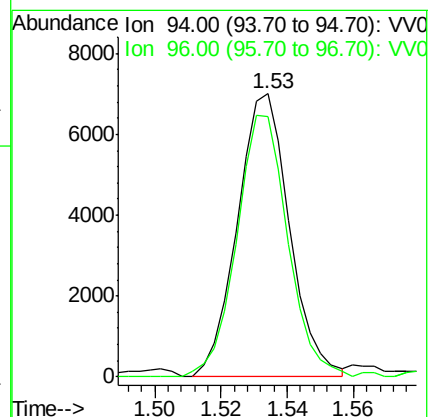
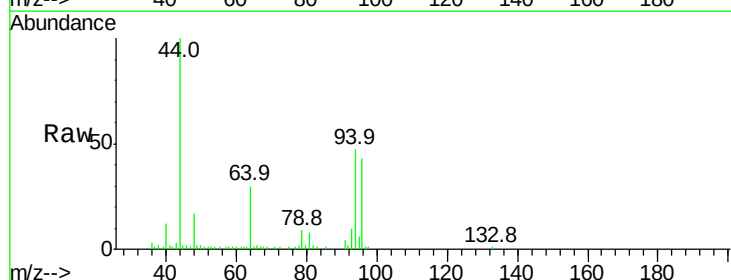
Acq: 14 Jun 2019 17:08

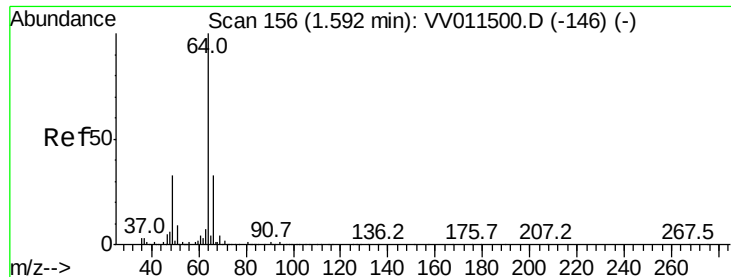
Tgt Ion: 94 Resp: 7666

Ion Ratio Lower Upper

94 100

96 92.0 65.5 121.7





#8

Chloroethane

Concen: 0.896 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

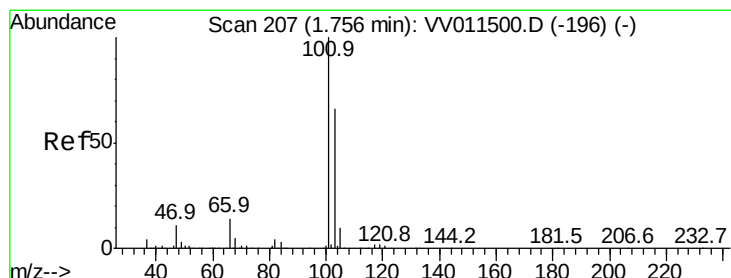
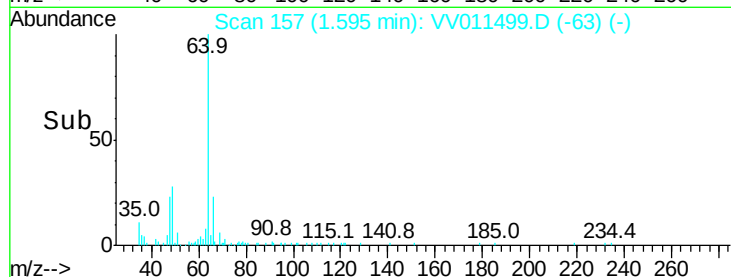
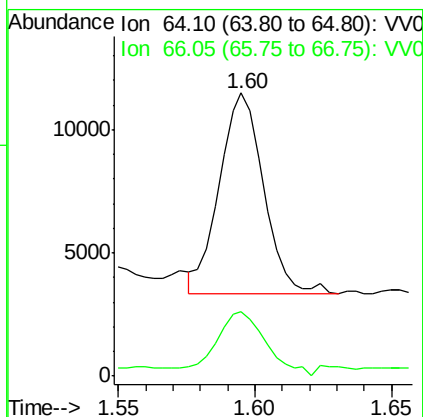
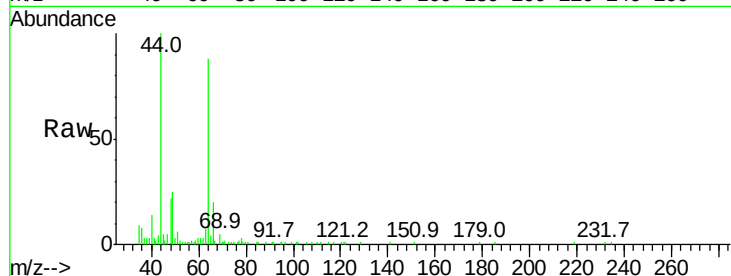
VSTD00132

Tgt Ion: 64 Resp: 9131

Ion Ratio Lower Upper

64 100

66 22.8 21.6 40.2



#9

Trichlorofluoromethane

Concen: 0.961 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV011499.D

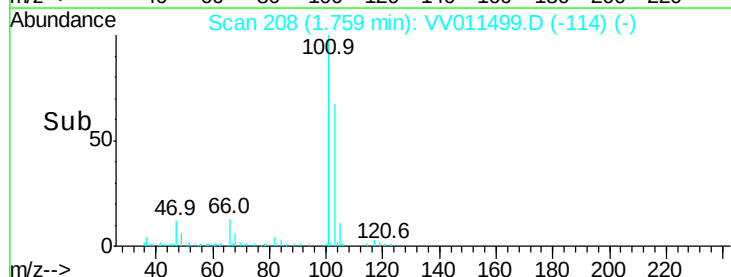
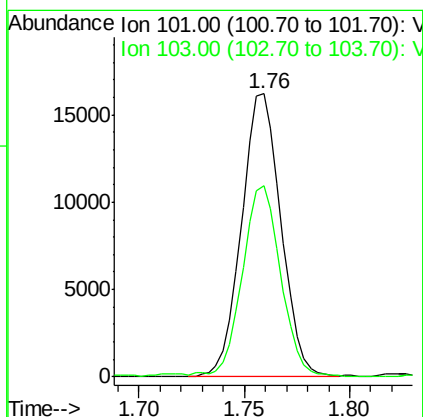
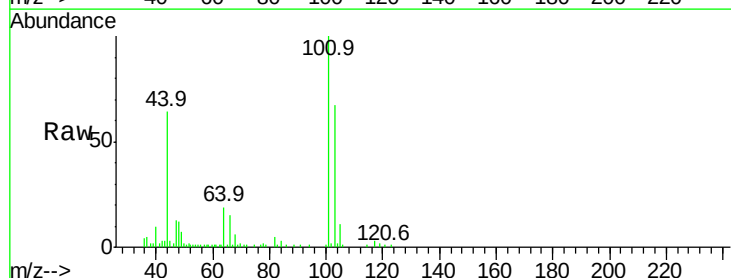
Acq: 14 Jun 2019 17:08

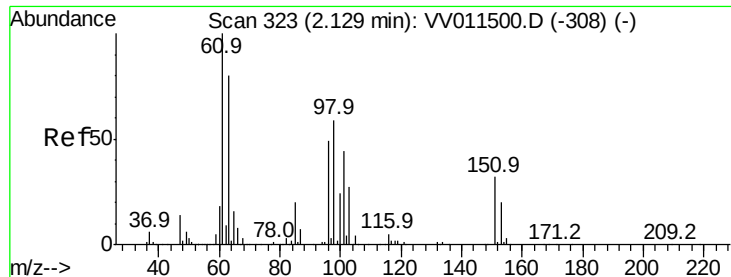
Tgt Ion: 101 Resp: 21052

Ion Ratio Lower Upper

101 100

103 66.3 52.5 78.7





#10

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

Concen: 1.010 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

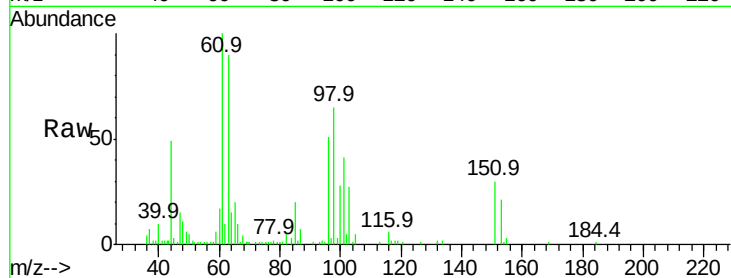
Tgt Ion:101 Resp: 11359

Ion Ratio Lower Upper

101 100

85 46.8 37.3 55.9

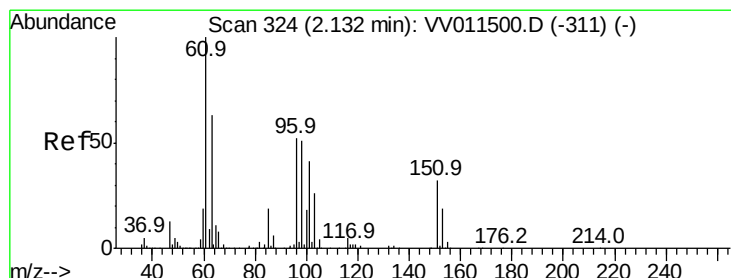
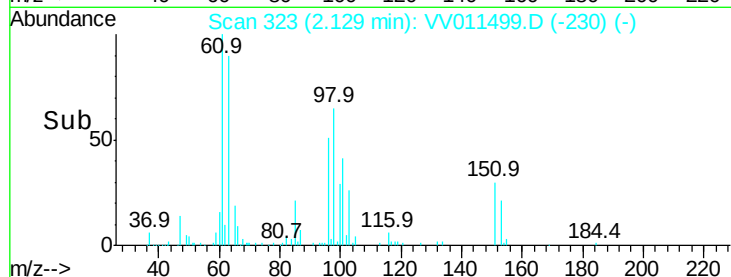
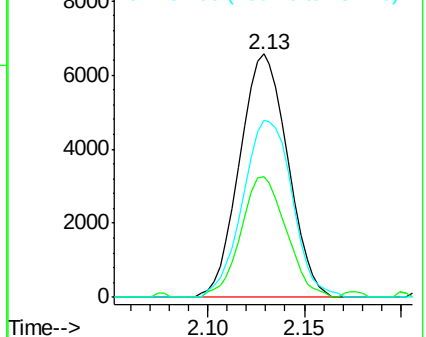
151 74.8 59.4 89.2



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: 1.090 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

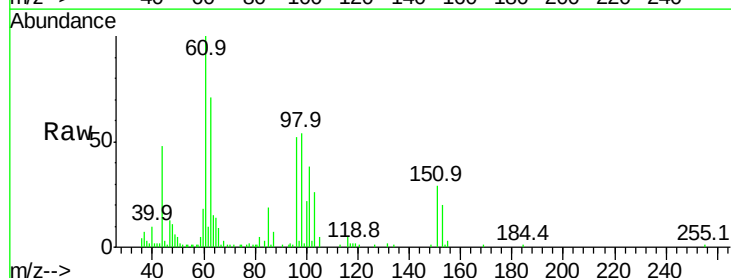
Tgt Ion: 96 Resp: 11905

Ion Ratio Lower Upper

96 100

61 192.7 135.9 252.5

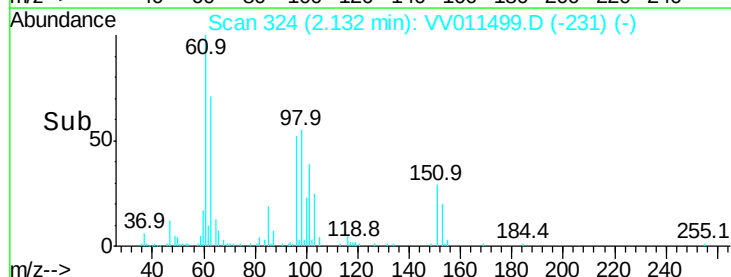
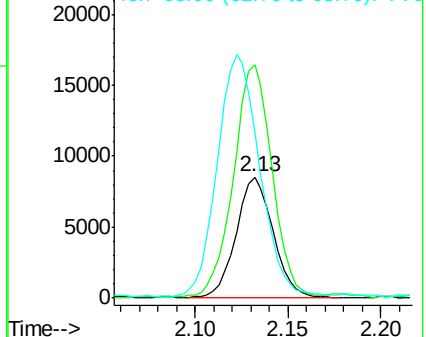
63 137.1 86.2 160.2

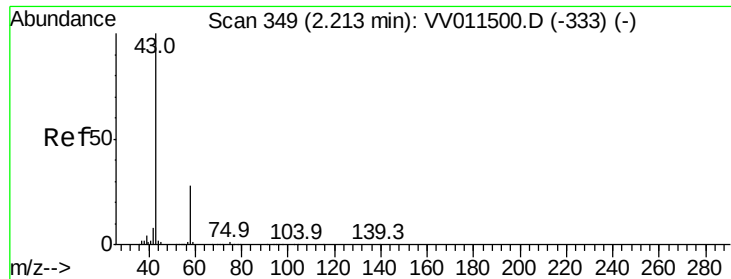


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 13.789 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

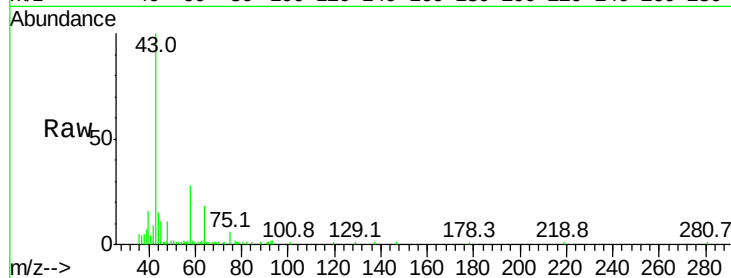
VSTD00132

Tgt Ion: 43 Resp: 27349

Ion Ratio Lower Upper

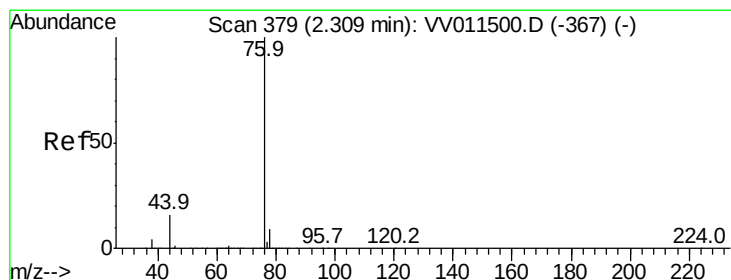
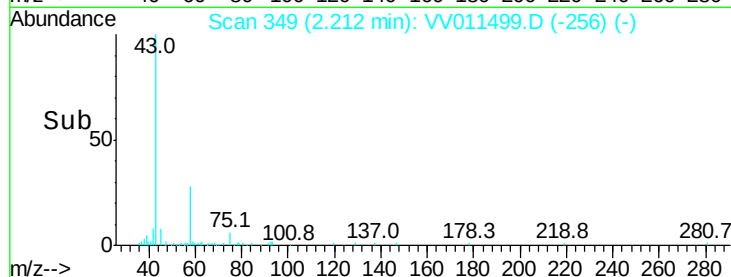
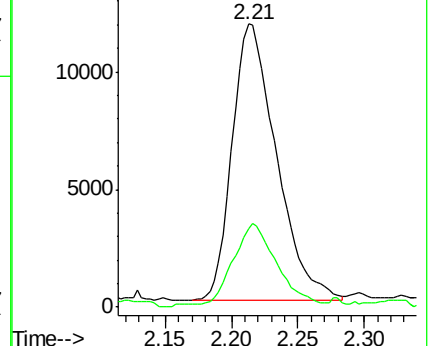
43 100

58 29.3 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.932 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV011499.D

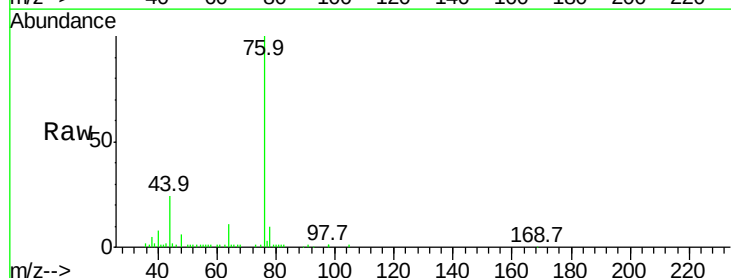
Acq: 14 Jun 2019 17:08

Tgt Ion: 76 Resp: 30894

Ion Ratio Lower Upper

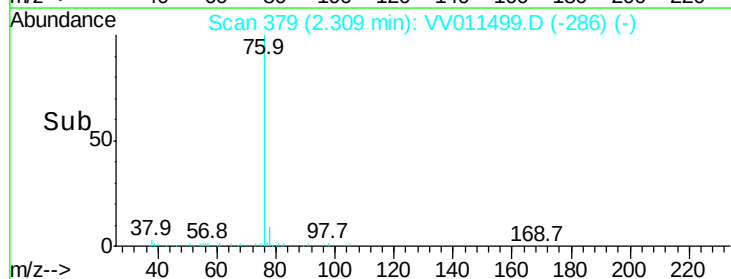
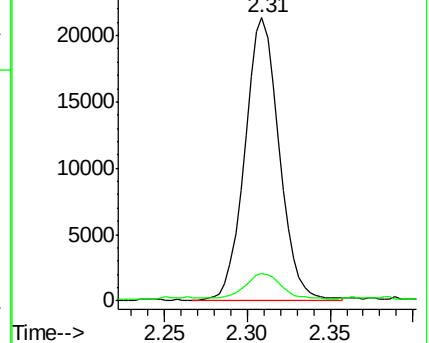
76 100

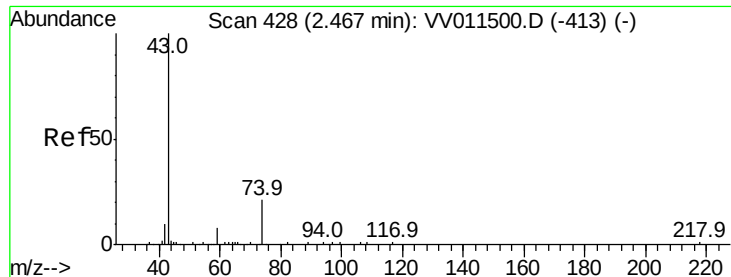
78 9.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

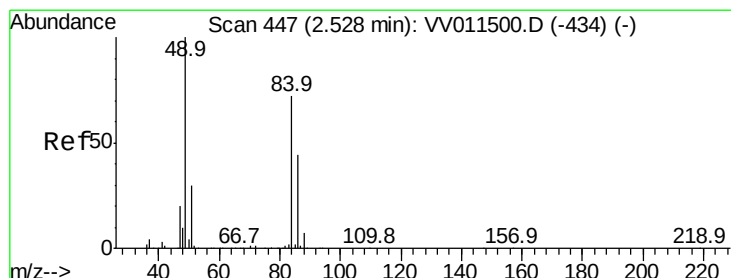
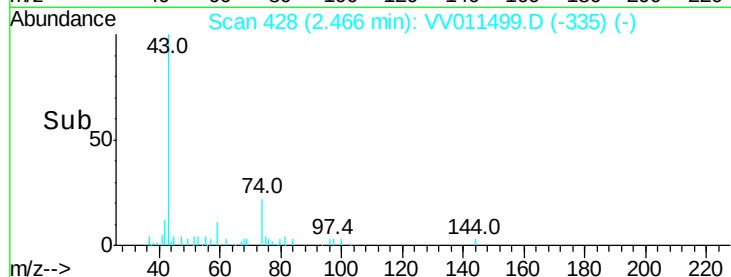
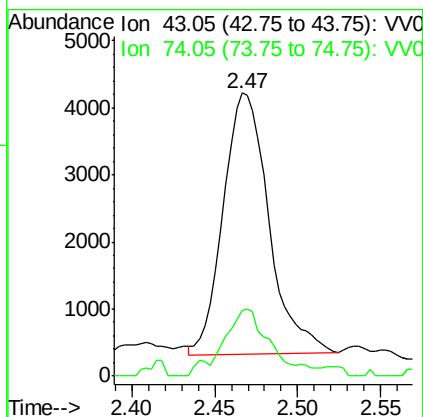
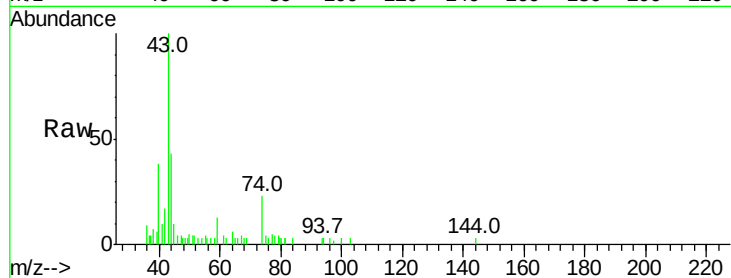




#15
Methyl Acetate
Concen: 1.409 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011499.D
Acq: 14 Jun 2019 17:08

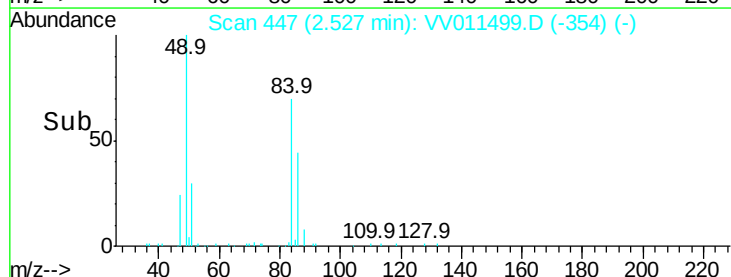
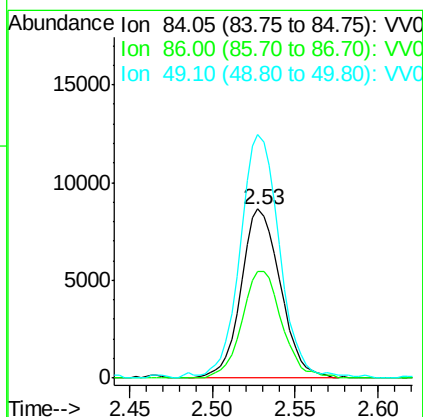
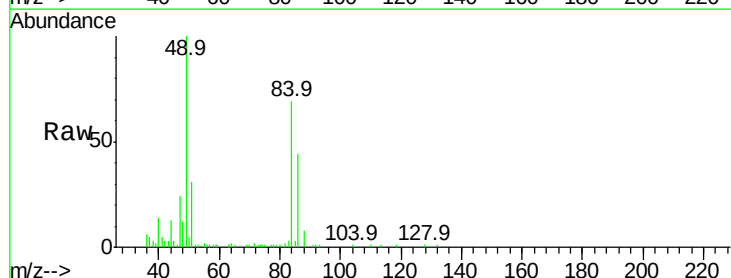
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

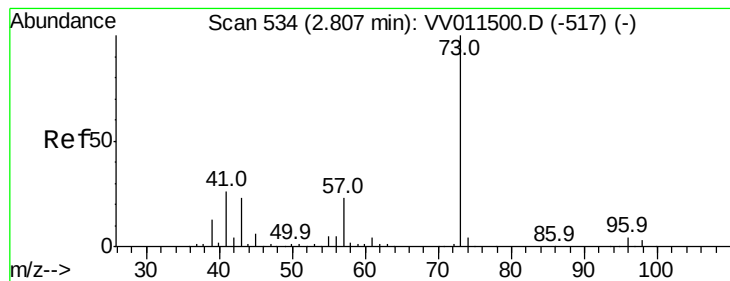
Tgt Ion: 43 Resp: 7421
Ion Ratio Lower Upper
43 100
74 26.9 16.5 24.7#



#16
Methylene chloride
Concen: 1.268 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011499.D
Acq: 14 Jun 2019 17:08

Tgt Ion: 84 Resp: 14274
Ion Ratio Lower Upper
84 100
86 62.7 42.5 78.9
49 143.9 97.7 181.5





#17

Methyl tert-butyl Ether

Concen: 1.180 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

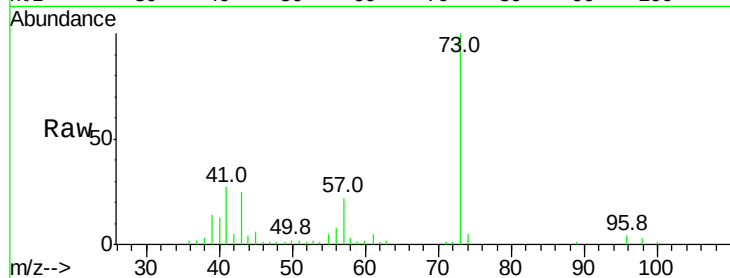
Tgt Ion: 73 Resp: 34422

Ion Ratio Lower Upper

73 100

43 25.9 18.2 27.4

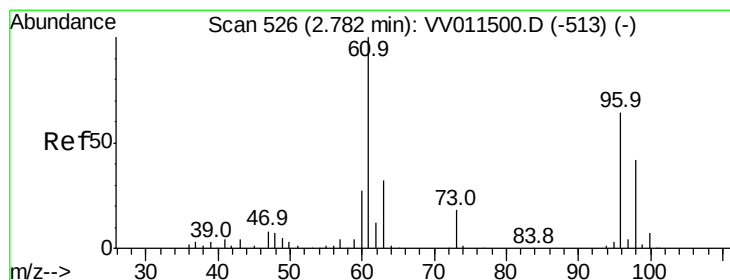
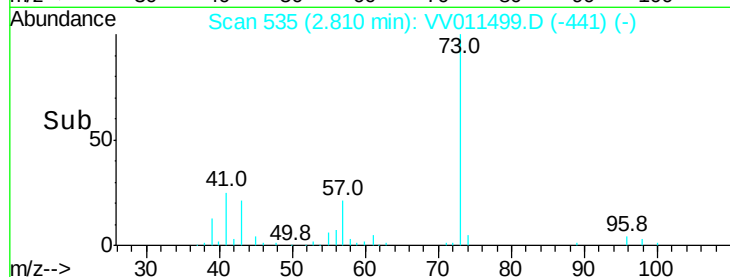
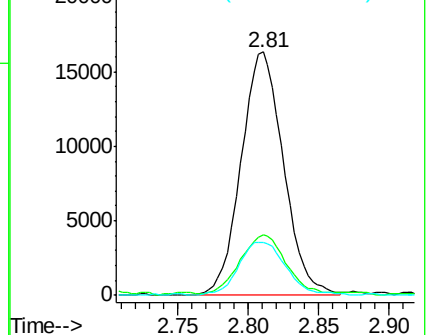
57 24.4 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VV011500.D (-517) (-)

Ion 43.05 (42.75 to 43.75): VV011500.D (-517) (-)

Ion 57.10 (56.80 to 57.80): VV011500.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.083 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

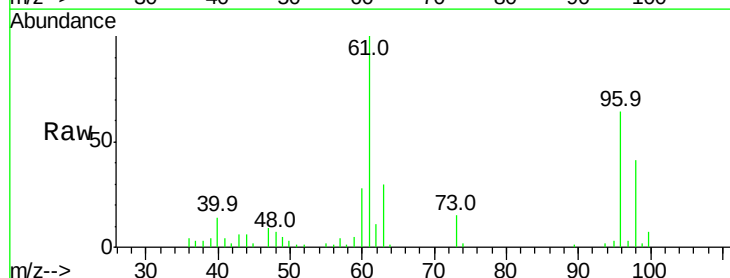
Tgt Ion: 96 Resp: 13248

Ion Ratio Lower Upper

96 100

61 156.5 110.0 204.4

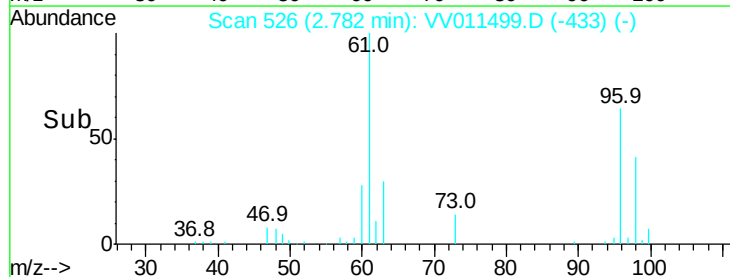
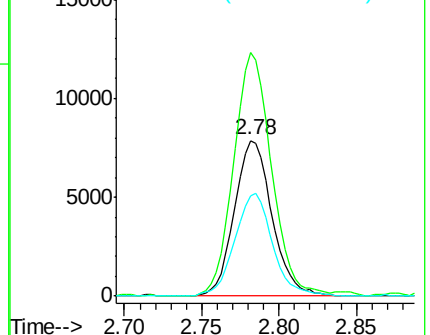
98 64.7 45.8 85.0

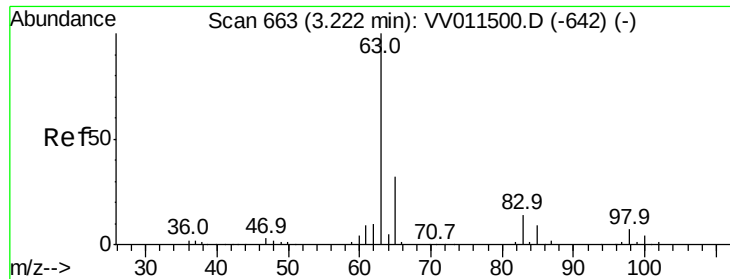


Abundance Ion 96.00 (95.70 to 96.70): VV011500.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV011500.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV011500.D (-513) (-)

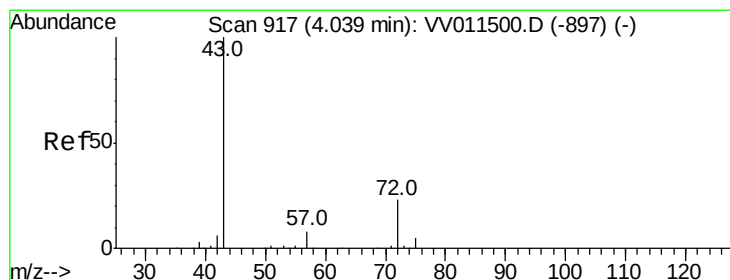
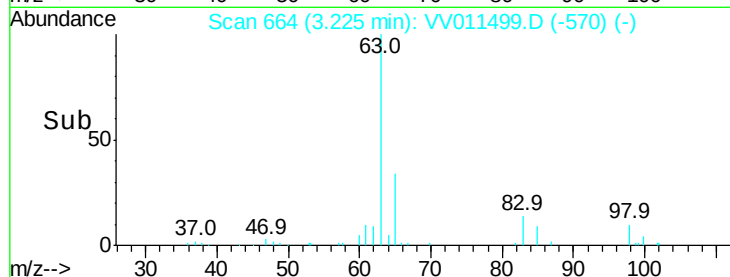
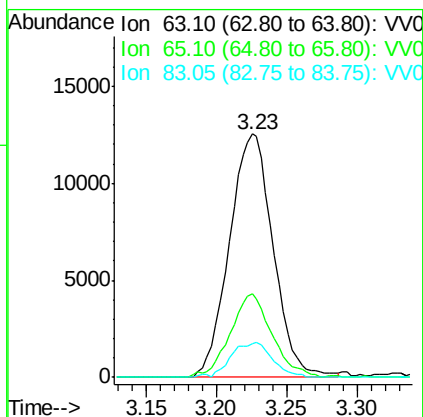
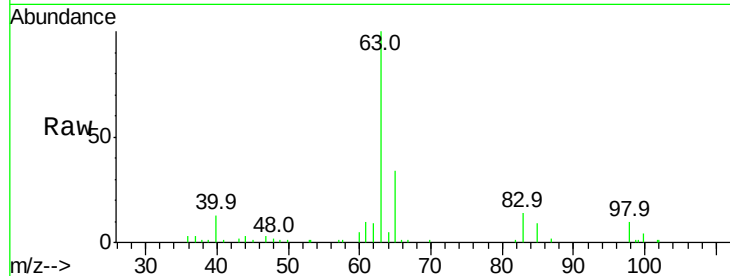




#19
 1,1-Dichloroethane
 Concen: 1.127 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

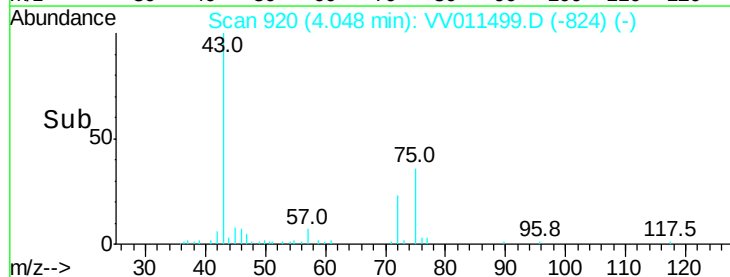
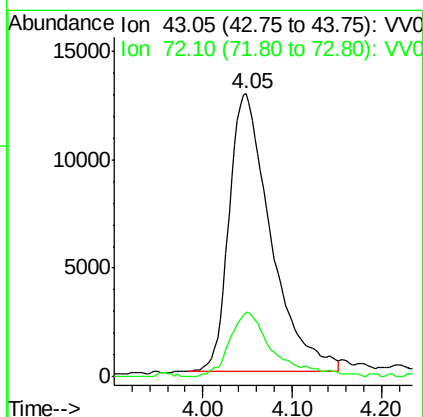
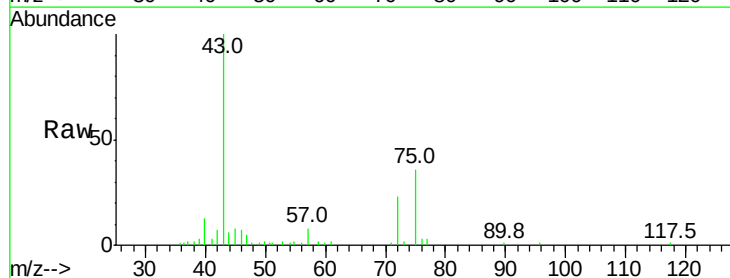
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

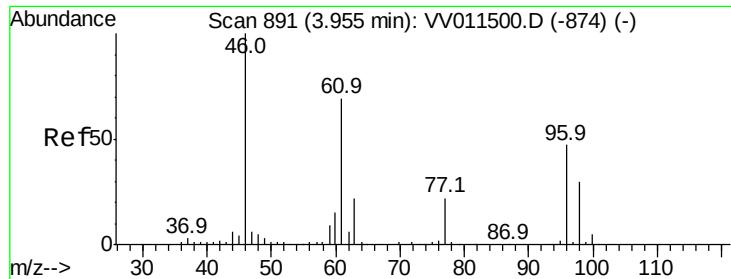
Tgt Ion: 63 Resp: 27186
 Ion Ratio Lower Upper
 63 100
 65 34.1 22.5 41.9
 83 13.8 10.1 18.9



#21
 2-Butanone
 Concen: 13.663 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion: 43 Resp: 41733
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 1.108 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

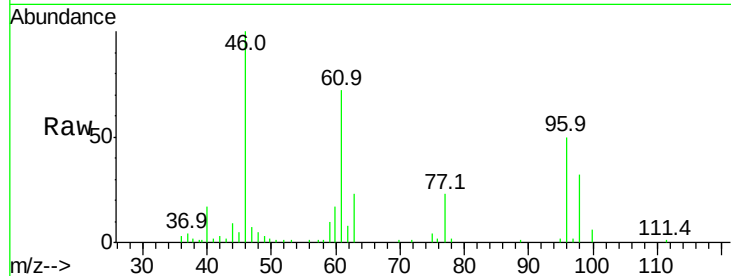
Tgt Ion: 96 Resp: 15006

Ion Ratio Lower Upper

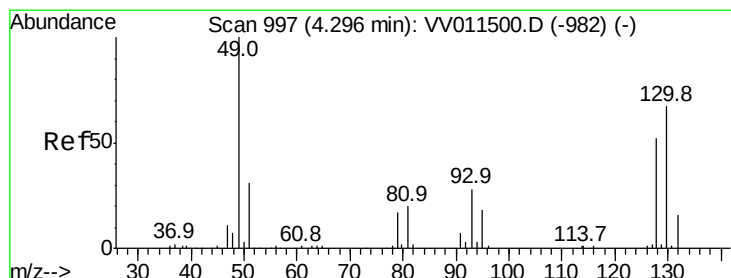
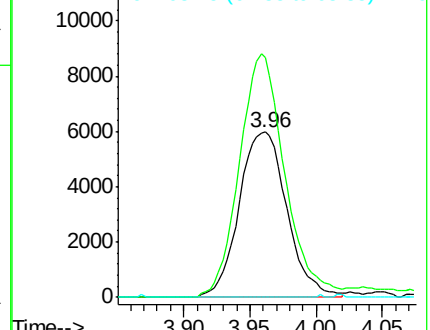
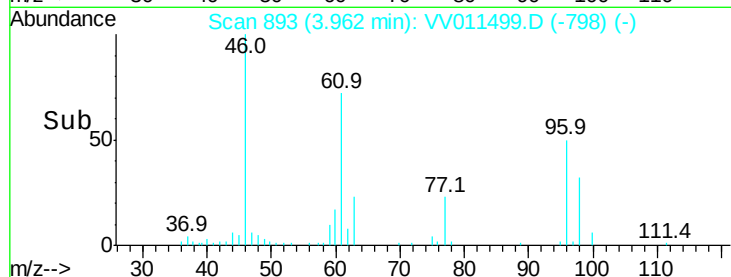
96 100

61 144.8 102.2 189.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011499.D (-798) (-)



#23

Bromochloromethane

Concen: 1.208 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Tgt Ion: 128 Resp: 6271

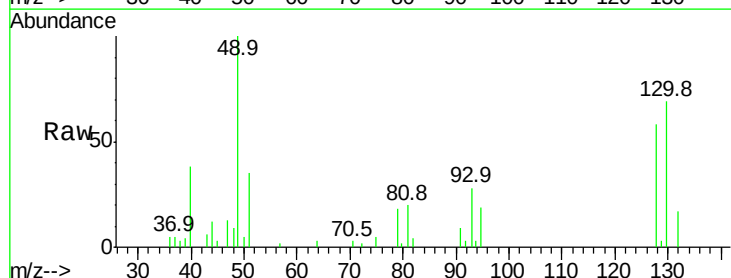
Ion Ratio Lower Upper

128 100

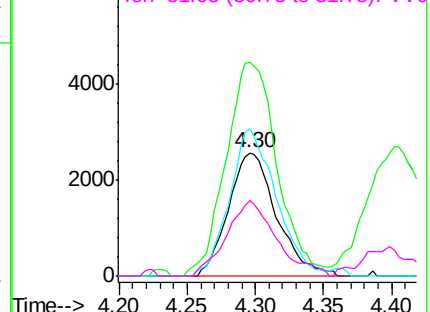
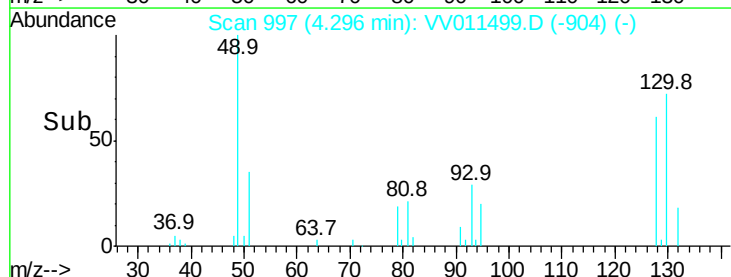
49 173.3 136.2 253.0

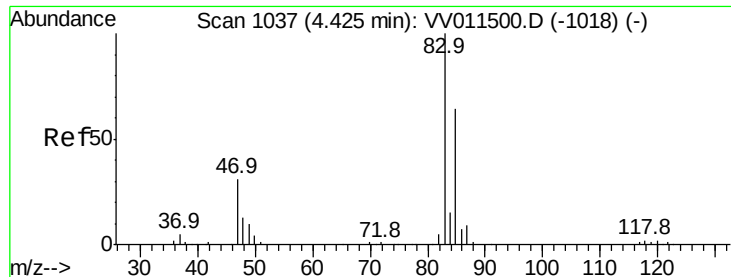
130 119.3 91.3 169.5

51 61.3 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): VV011499.D (-904) (-)





#25

Chloroform

Concen: 1.093 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

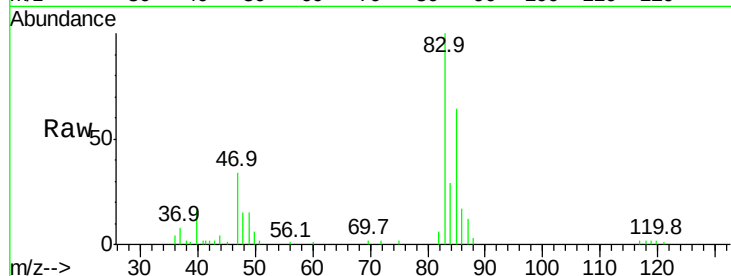
VSTD00132

Tgt Ion: 83 Resp: 27247

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

12000

10000

8000

6000

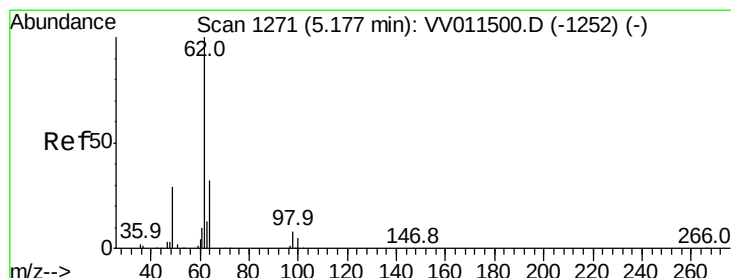
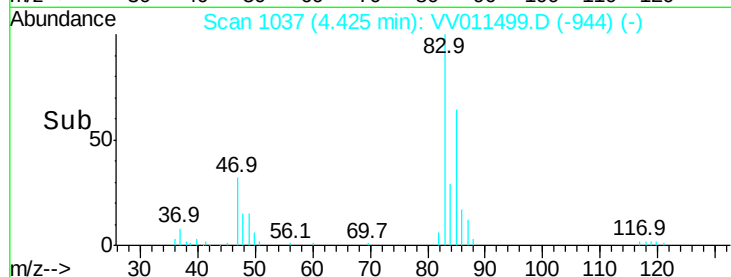
4000

2000

0

4.35 4.40 4.45 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 1.241 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV011499.D

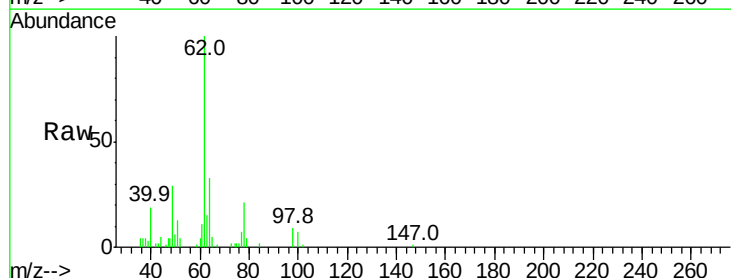
Acq: 14 Jun 2019 17:08

Tgt Ion: 62 Resp: 18897

Ion Ratio Lower Upper

62 100

98 8.9 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

10000

8000

6000

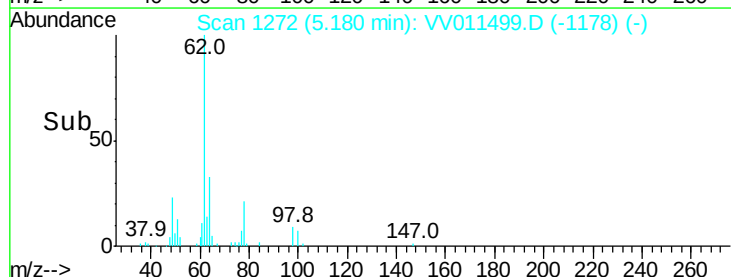
4000

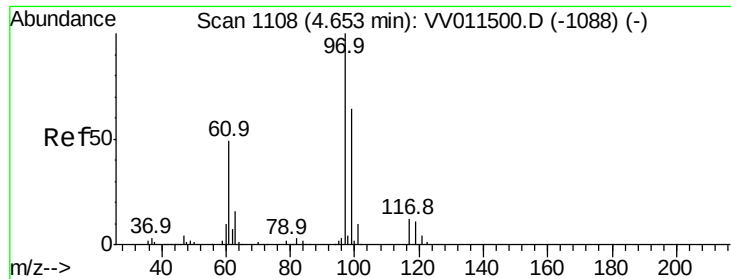
2000

0

5.10 5.15 5.20 5.25

Time-->

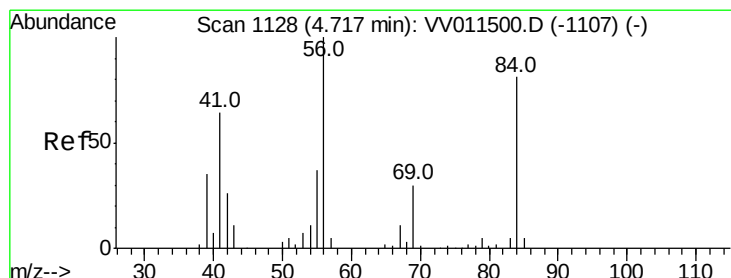
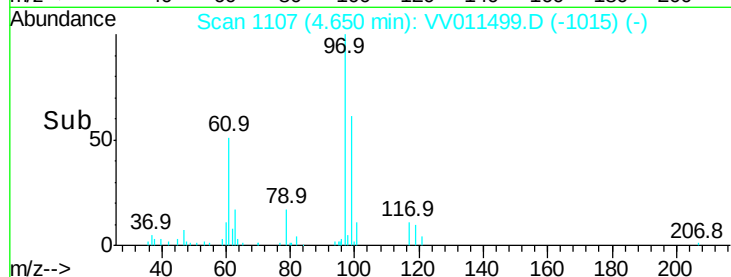
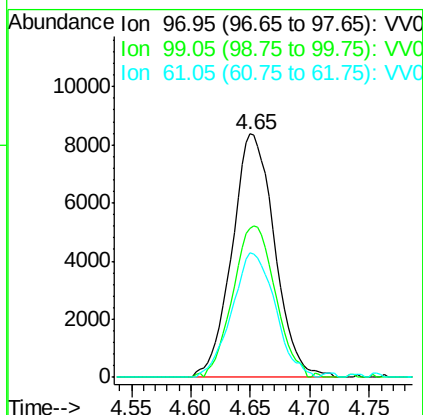
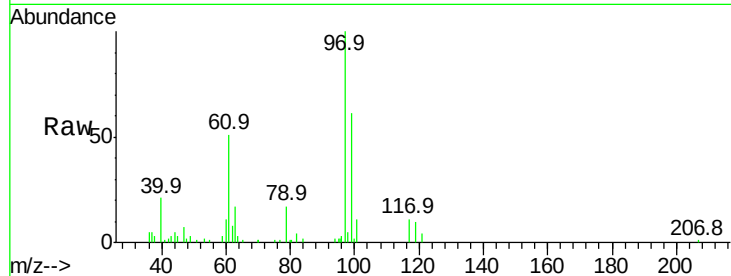




#29
 1,1,1-Trichloroethane
 Concen: 1.027 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

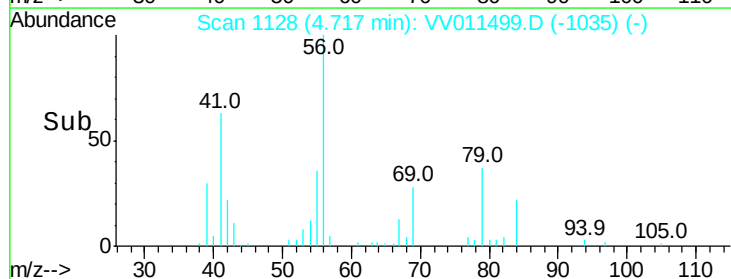
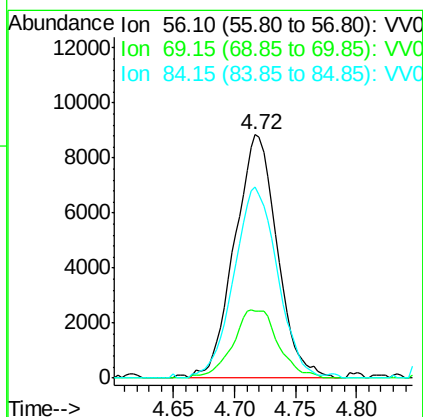
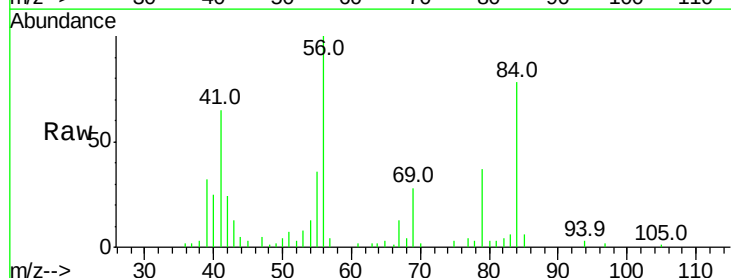
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

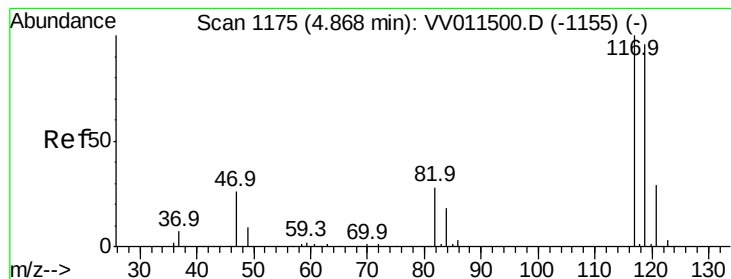
Tgt Ion: 97 Resp: 20766
 Ion Ratio Lower Upper
 97 100
 99 62.0 51.6 77.4
 61 52.0 40.4 60.6



#30
 Cyclohexane
 Concen: 0.951 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion: 56 Resp: 21320
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.1 36.1
 84 80.6 66.8 100.2





#31

Carbon tetrachloride

Concen: 0.960 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

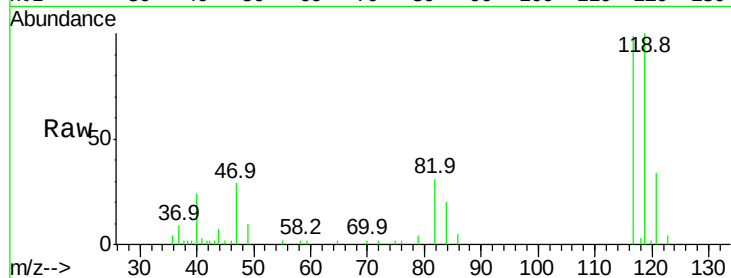
VSTD00132

Tgt Ion:117 Resp: 16217

Ion Ratio Lower Upper

117 100

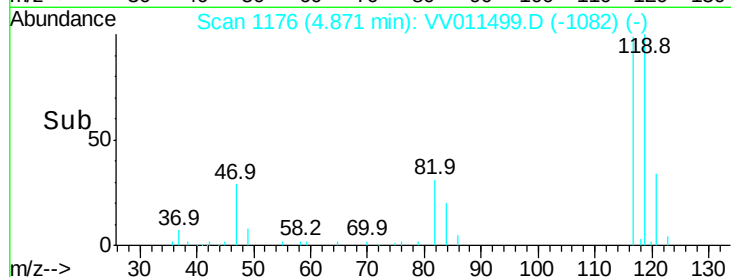
119 99.7 77.4 116.2



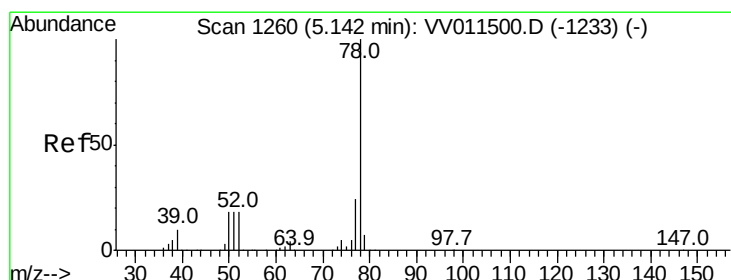
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87



Time-->



#33

Benzene

Concen: 1.105 ug/L

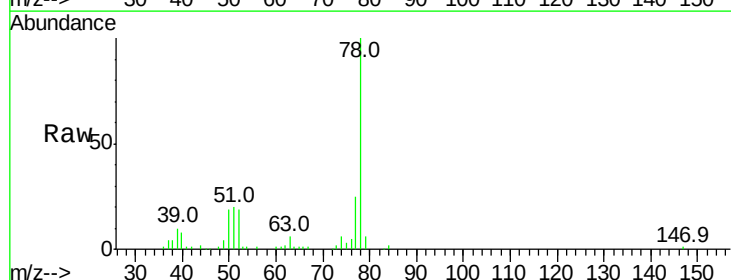
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV011499.D

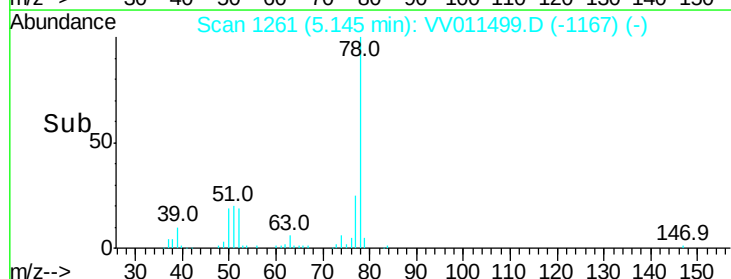
Acq: 14 Jun 2019 17:08

Tgt Ion: 78 Resp: 55714

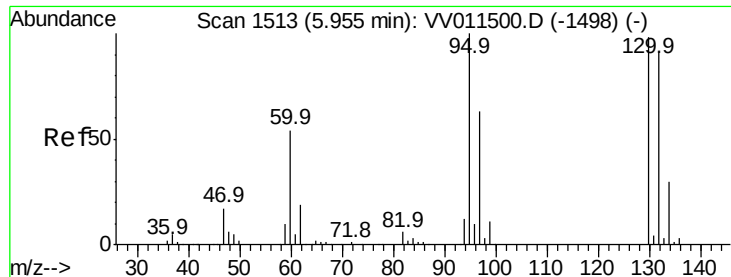


Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14



Time-->



#34

Trichloroethene

Concen: 1.109 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

Tgt Ion: 95 Resp: 14452

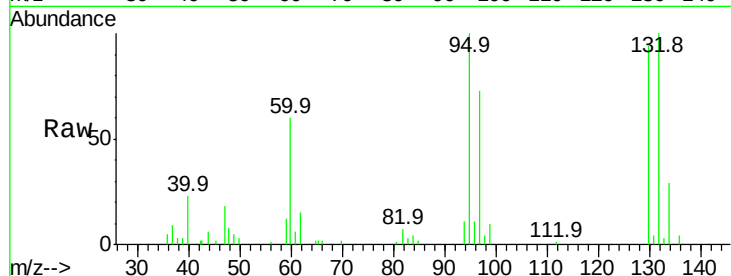
Ion Ratio Lower Upper

95 100

97 72.5 44.4 82.4

132 99.7 63.5 117.9

130 93.6 68.5 127.3

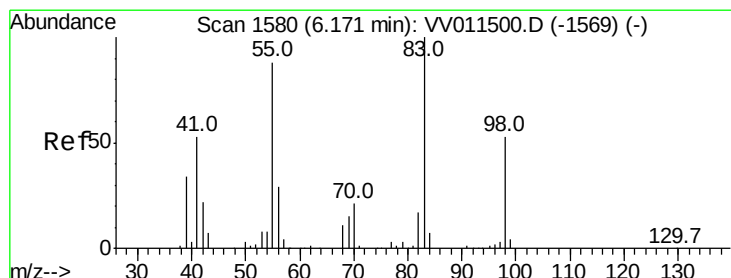
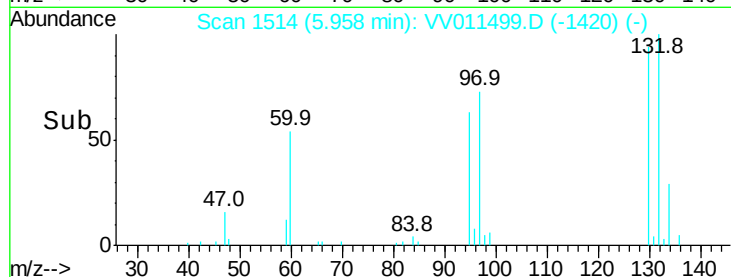
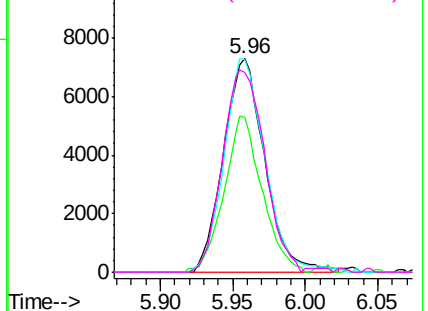


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.879 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

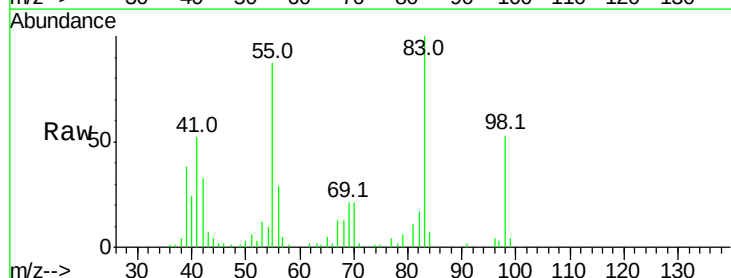
Tgt Ion: 83 Resp: 18935

Ion Ratio Lower Upper

83 100

55 89.2 67.9 101.9

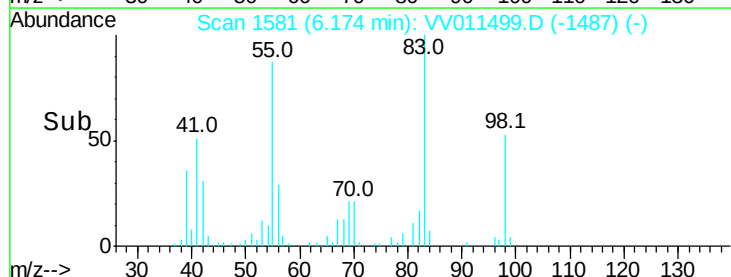
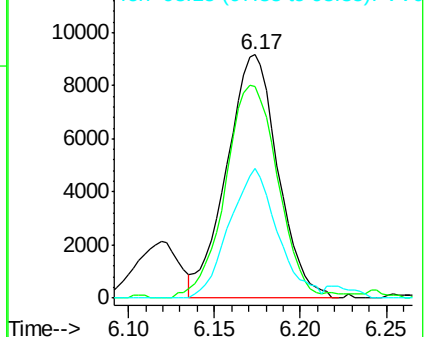
98 49.9 39.6 59.4

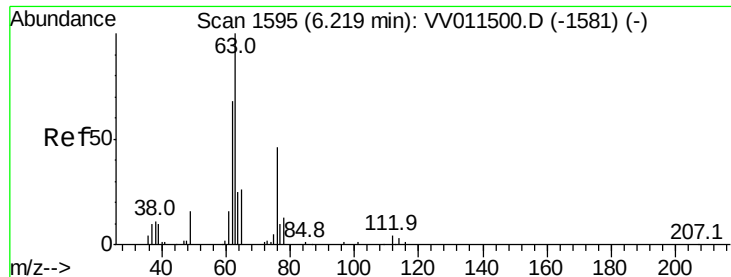


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 1.157 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

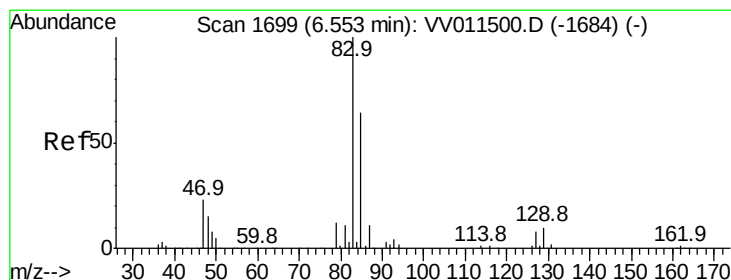
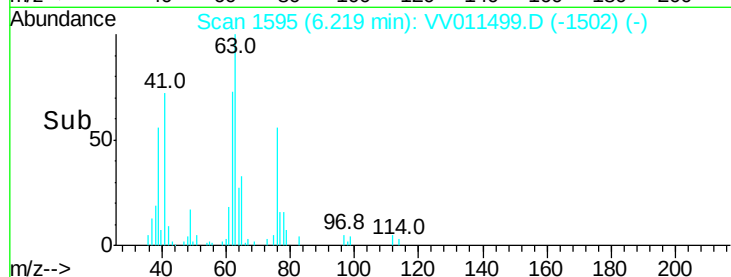
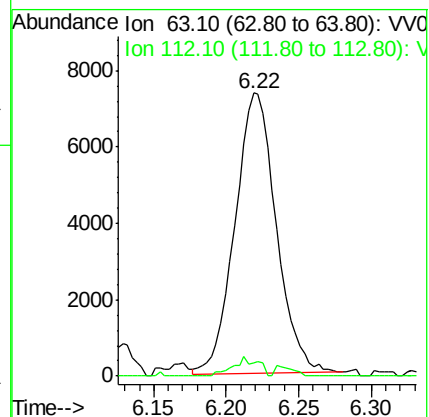
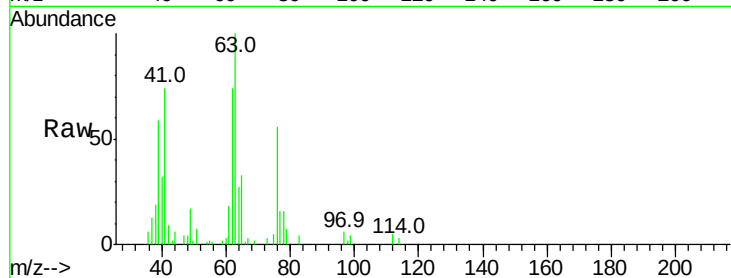
VSTD00132

Tgt Ion: 63 Resp: 14521

Ion Ratio Lower Upper

63 100

112 4.1 3.7 5.5



#38

Bromodichloromethane

Concen: 1.040 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

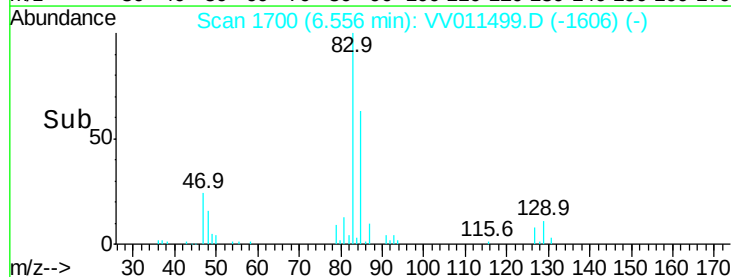
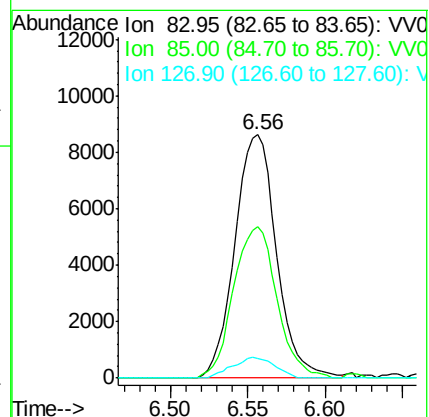
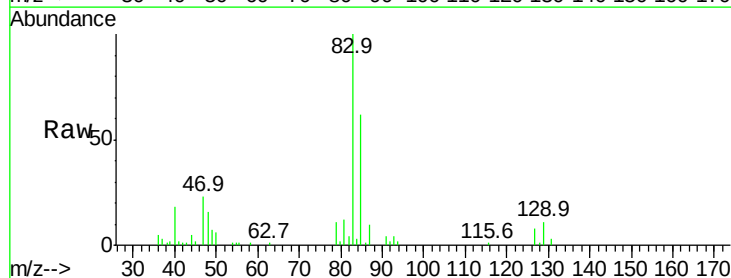
Tgt Ion: 83 Resp: 16136

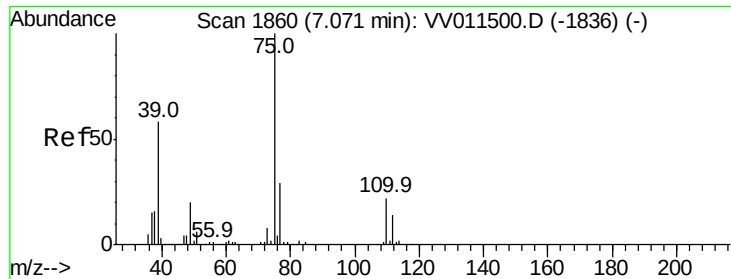
Ion Ratio Lower Upper

83 100

85 62.1 44.7 83.1

127 8.1 6.2 9.4



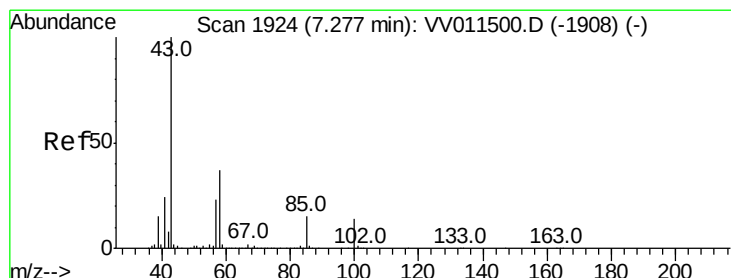
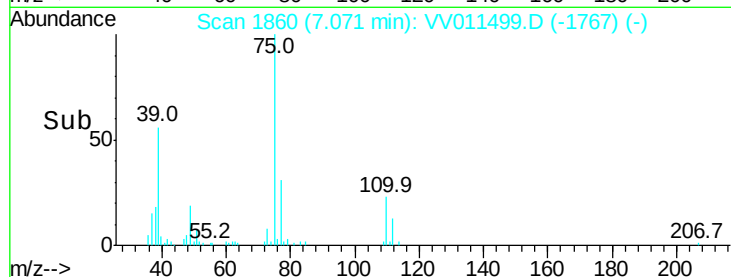
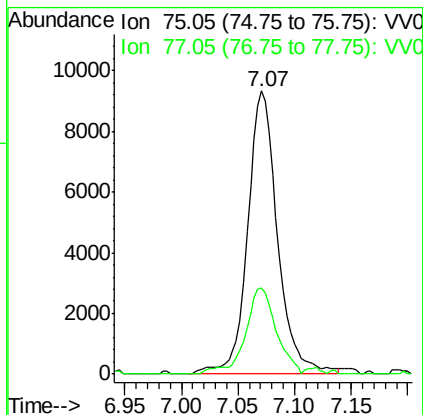
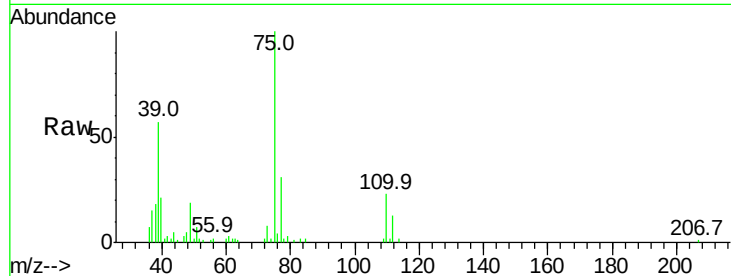


#39

cis-1,3-Dichloropropene
 Concen: 0.938 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

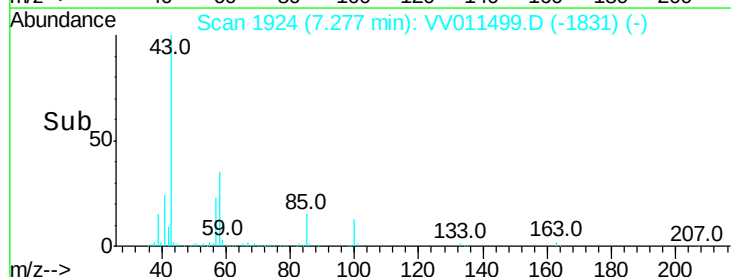
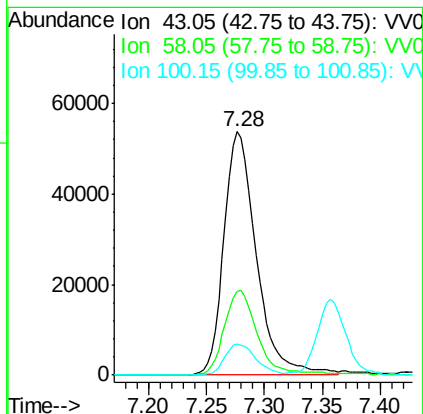
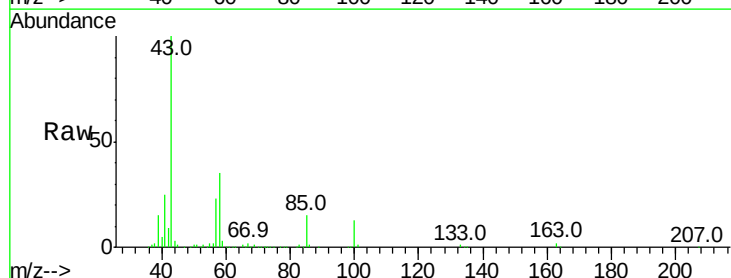
Tgt Ion: 75 Resp: 17222
 Ion Ratio Lower Upper
 75 100
 77 30.6 20.6 38.4

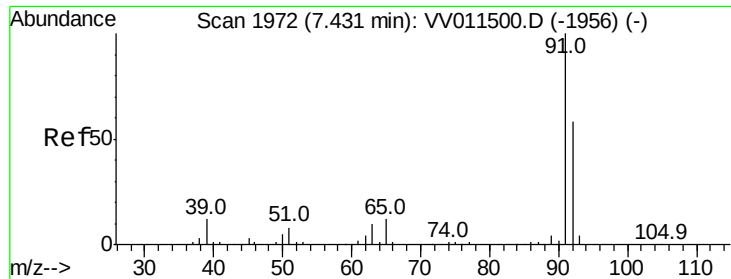


#40

4-Methyl-2-pentanone
 Concen: 12.914 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion: 43 Resp: 103215
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.7 43.1
 100 12.5 10.6 15.8





#42

Toluene

Concen: 1.065 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

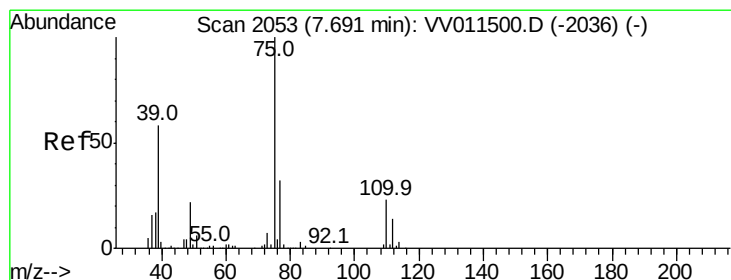
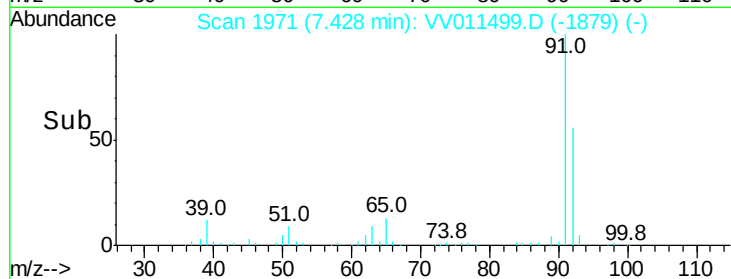
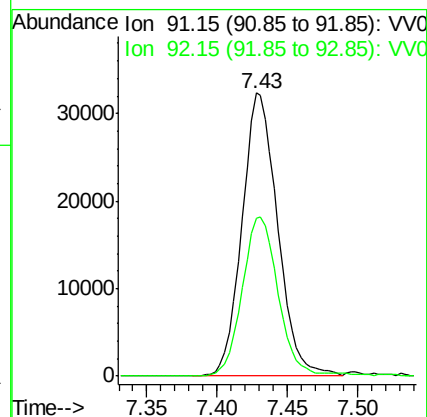
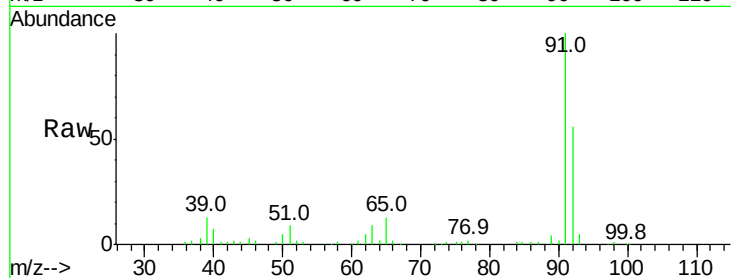
VSTD00132

Tgt Ion: 91 Resp: 57256

Ion Ratio Lower Upper

91 100

92 55.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.897 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011499.D

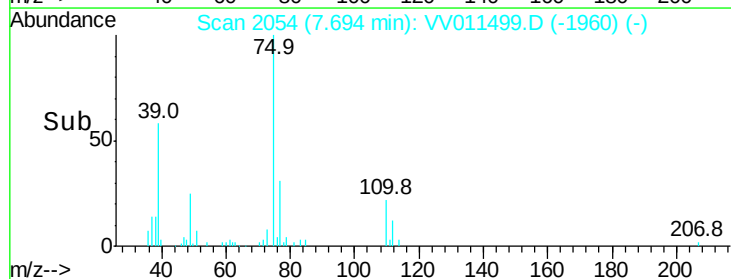
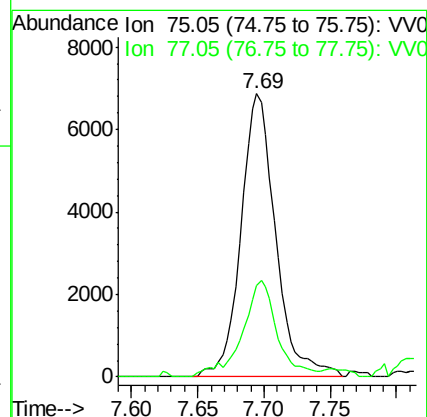
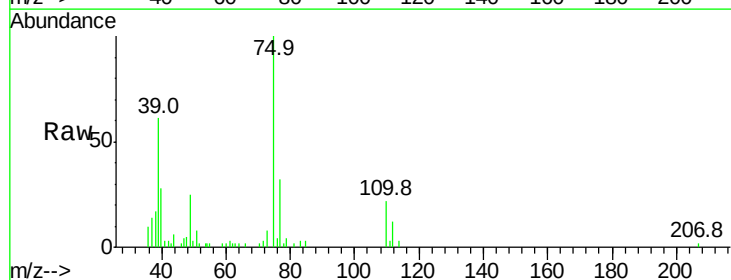
Acq: 14 Jun 2019 17:08

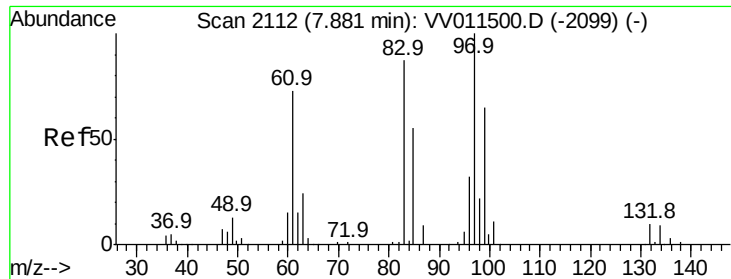
Tgt Ion: 75 Resp: 12519

Ion Ratio Lower Upper

75 100

77 32.1 22.8 42.4

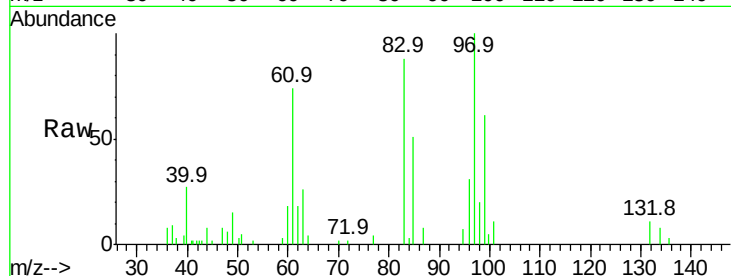




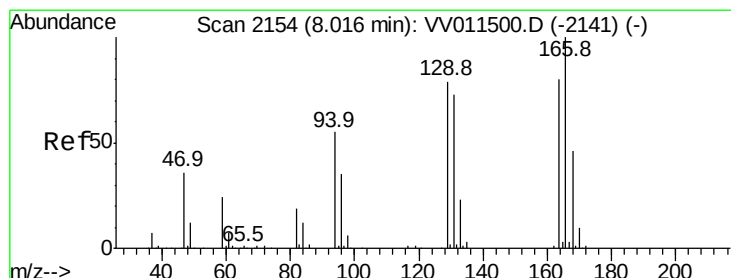
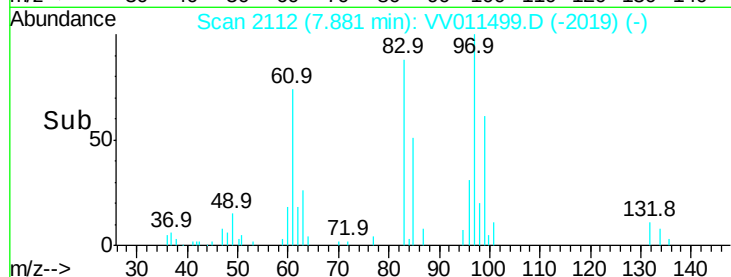
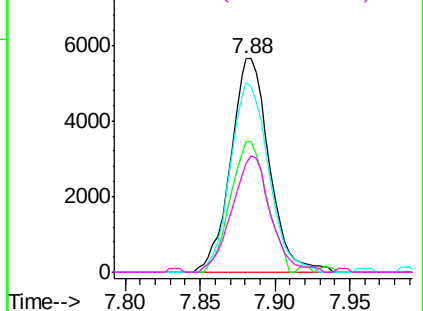
#45
 1,1,2-Trichloroethane
 Concen: 1.260 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 97 Resp: 10122
 Ion Ratio Lower Upper
 97 100
 99 60.9 45.4 84.4
 83 88.5 60.6 112.6
 85 51.2 38.6 71.6

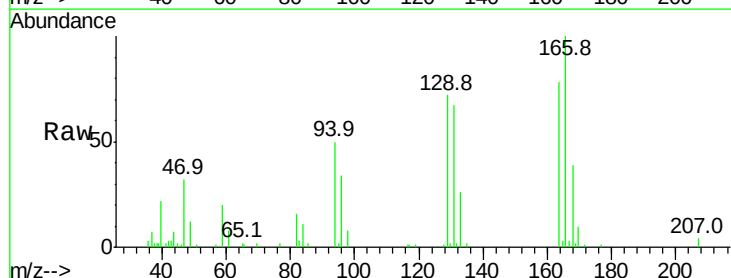


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

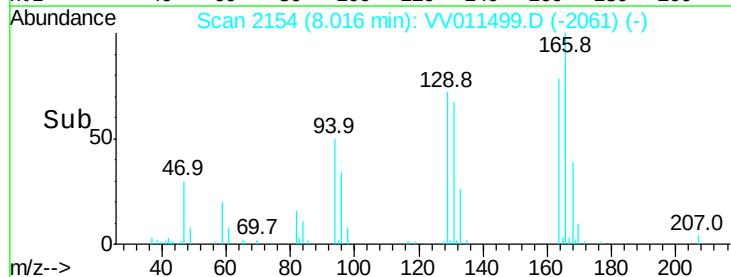
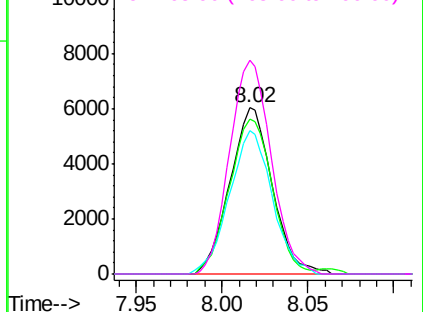


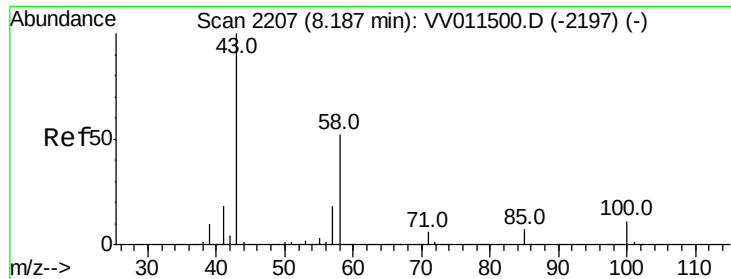
#47
 Tetrachloroethene
 Concen: 1.101 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion: 164 Resp: 10363
 Ion Ratio Lower Upper
 164 100
 129 92.8 68.8 127.8
 131 86.4 63.2 117.4
 166 128.4 87.0 161.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

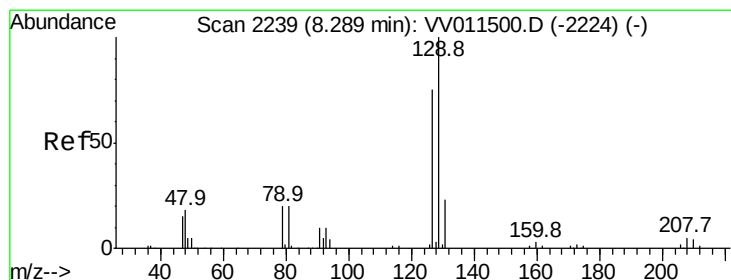
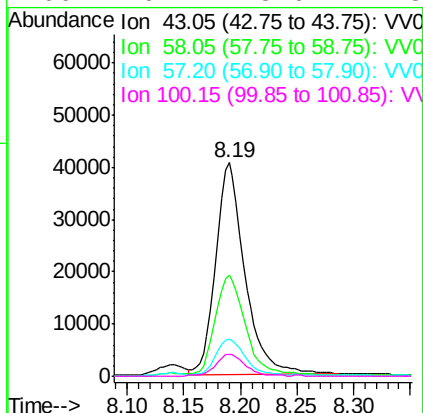
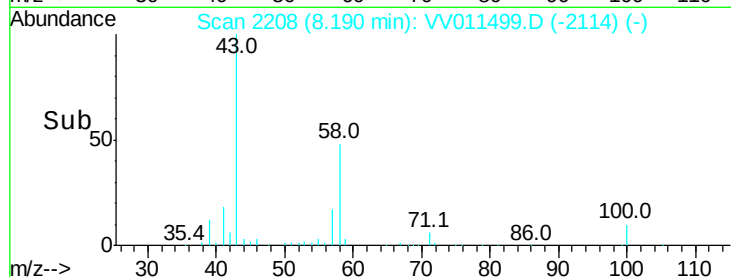
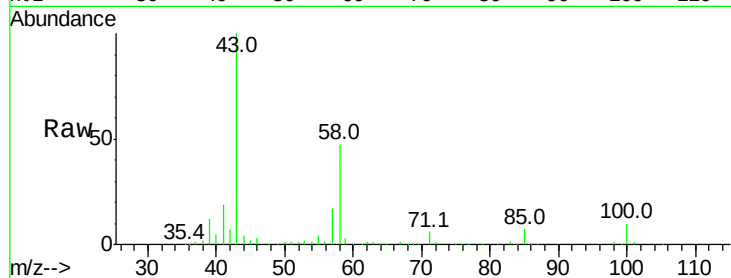




#48
2-Hexanone
Concen: 13.008 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011499.D
Acq: 14 Jun 2019 17:08

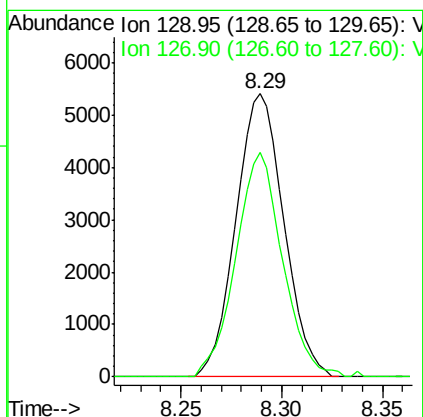
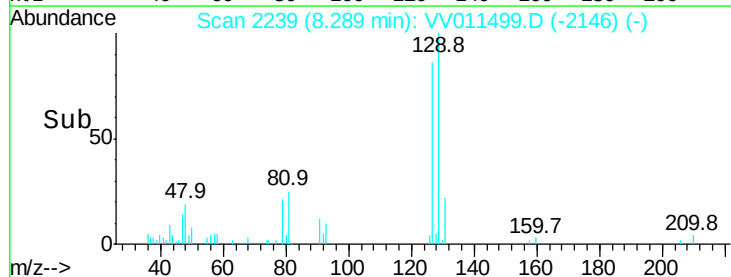
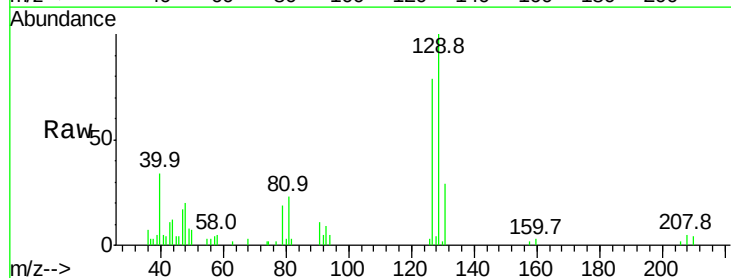
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

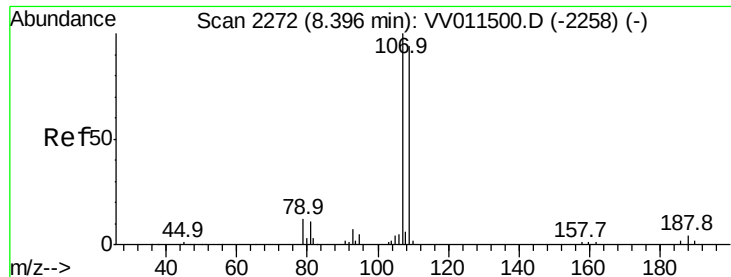
Tgt Ion: 43 Resp: 72507
Ion Ratio Lower Upper
43 100
58 49.9 40.6 60.8
57 16.9 14.2 21.4
100 10.7 8.6 12.8



#49
Dibromochloromethane
Concen: 0.986 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011499.D
Acq: 14 Jun 2019 17:08

Tgt Ion: 129 Resp: 9002
Ion Ratio Lower Upper
129 100
127 79.3 52.6 97.6

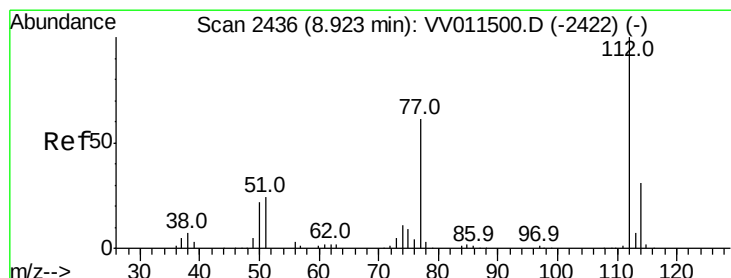
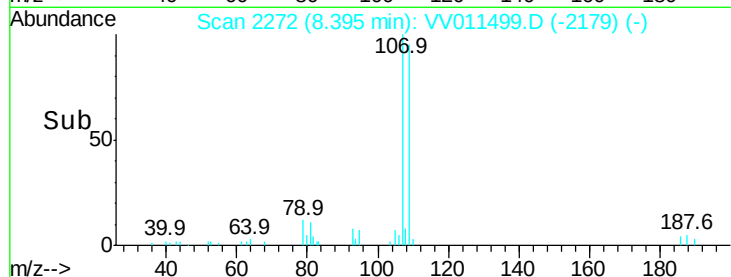
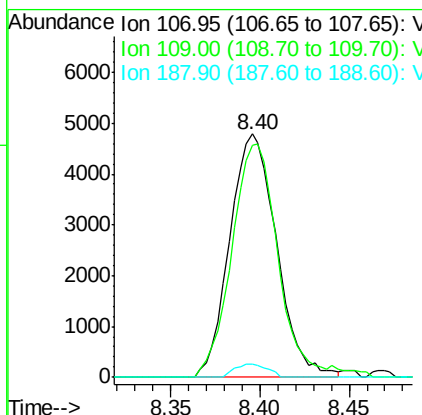
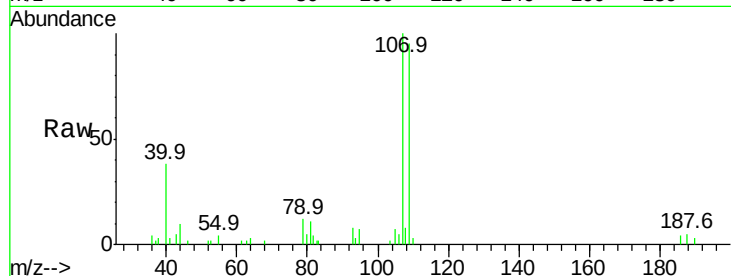




#50
1,2-Dibromoethane
Concen: 1.146 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011499.D
Acq: 14 Jun 2019 17:08

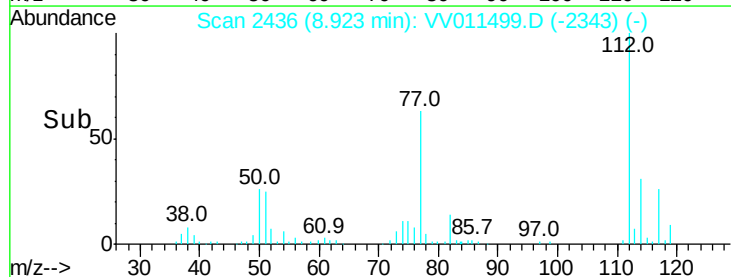
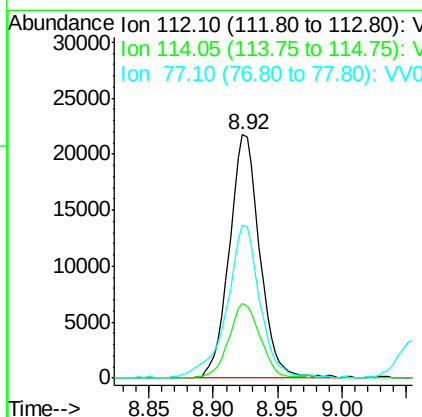
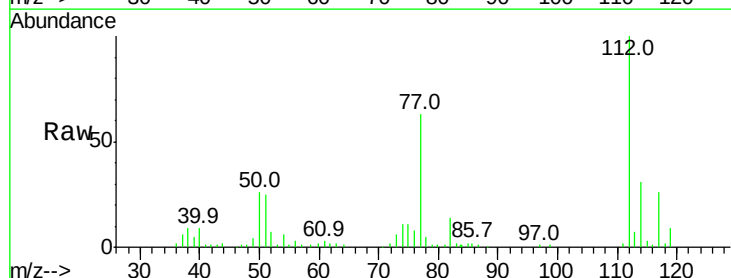
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

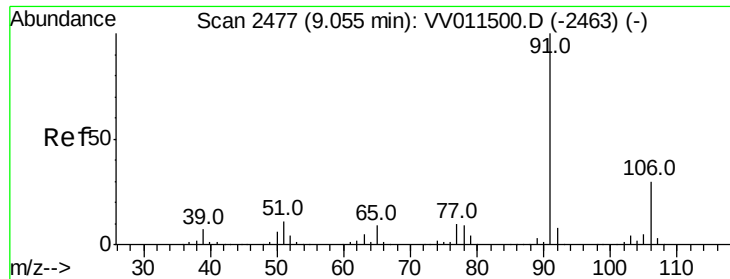
Tgt Ion:107 Resp: 8752
Ion Ratio Lower Upper
107 100
109 95.2 65.7 121.9
188 5.4 2.9 4.3#



#51
Chlorobenzene
Concen: 1.088 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011499.D
Acq: 14 Jun 2019 17:08

Tgt Ion:112 Resp: 35650
Ion Ratio Lower Upper
112 100
114 30.8 21.9 40.7
77 62.6 49.3 73.9





#52

Ethylbenzene

Concen: 0.970 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

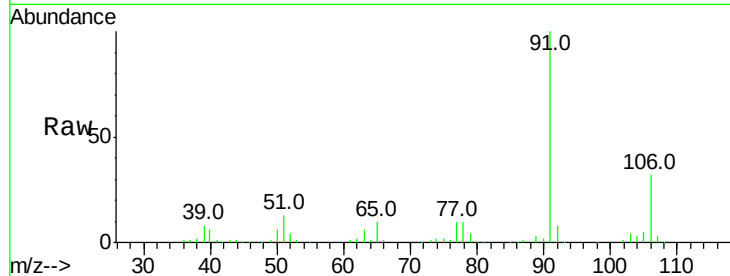
VSTD00132

Tgt Ion: 91 Resp: 57885

Ion Ratio Lower Upper

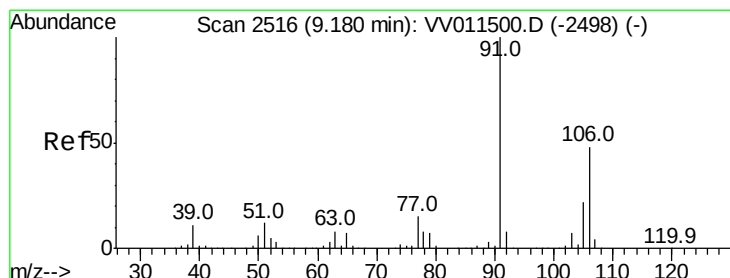
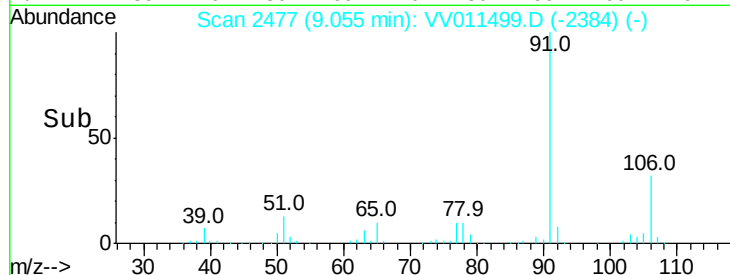
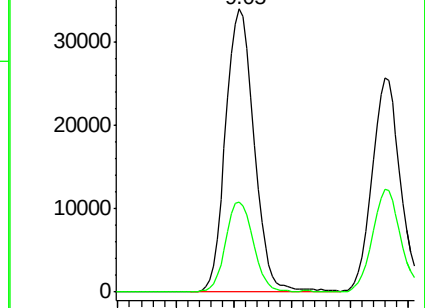
91 100

106 32.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VV011500.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011500.D (-2463) (-)



#53

m,p-xylene

Concen: 0.958 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011499.D

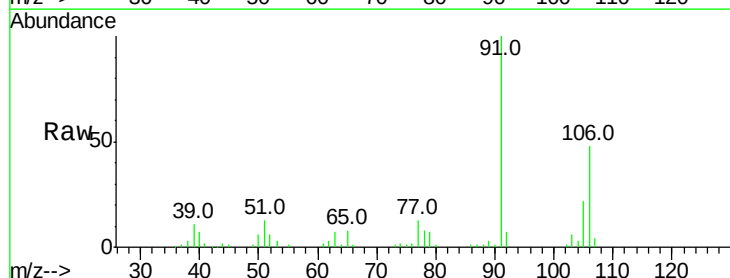
Acq: 14 Jun 2019 17:08

Tgt Ion: 106 Resp: 21147

Ion Ratio Lower Upper

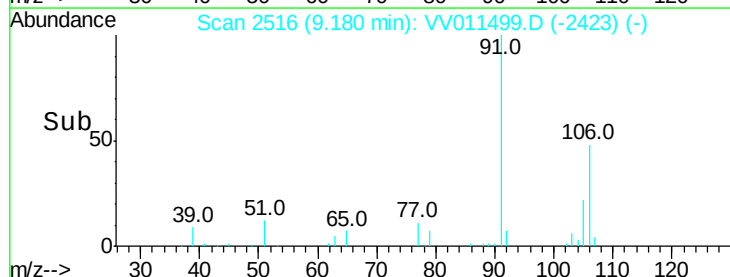
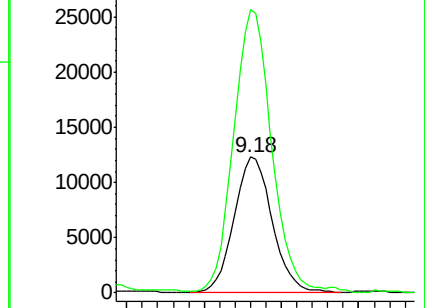
106 100

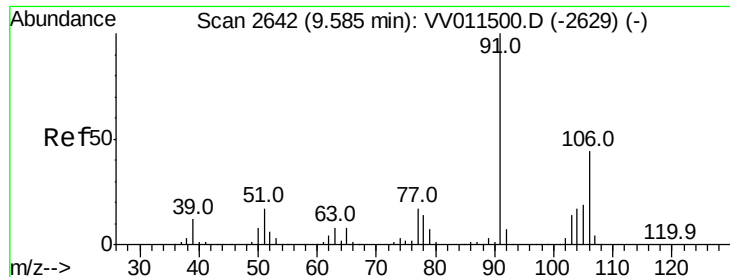
91 208.5 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011500.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV011500.D (-2498) (-)





#54

o-xylene

Concen: 0.982 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

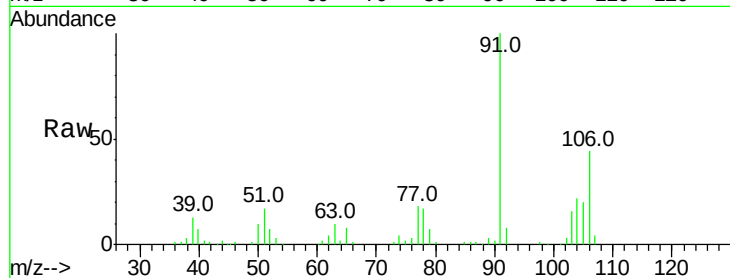
VSTD00132

Tgt Ion:106 Resp: 21270

Ion Ratio Lower Upper

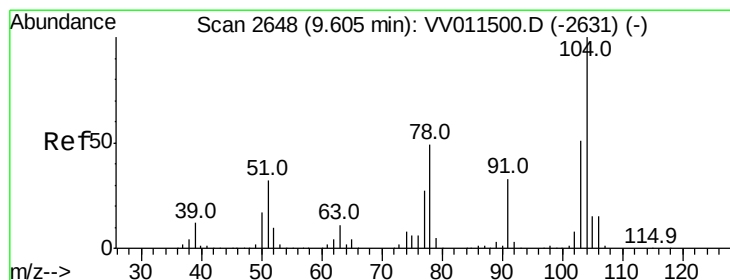
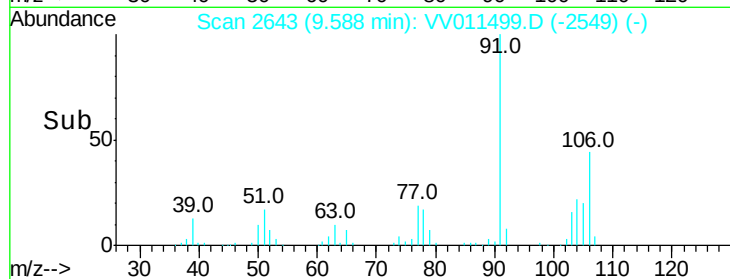
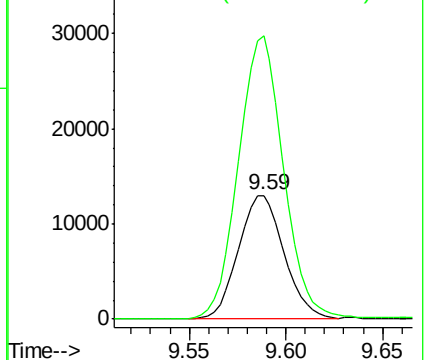
106 100

91 228.4 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.981 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011499.D

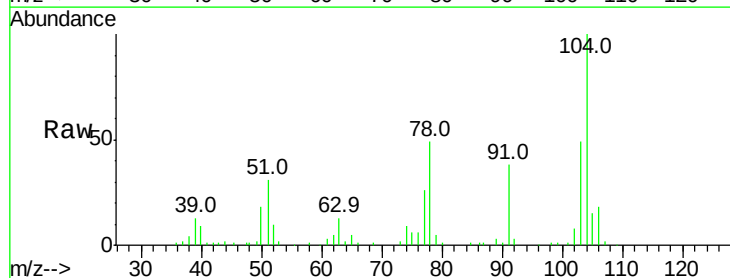
Acq: 14 Jun 2019 17:08

Tgt Ion:104 Resp: 34607

Ion Ratio Lower Upper

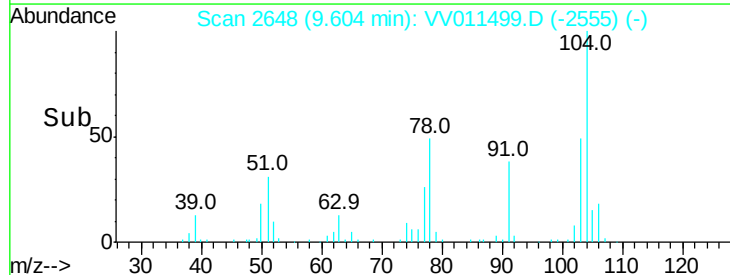
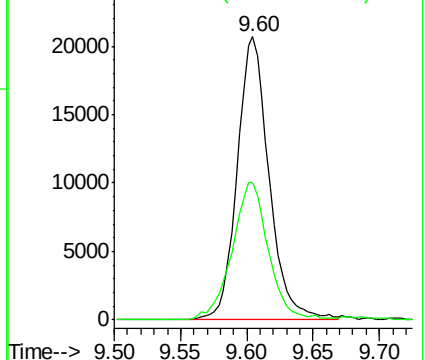
104 100

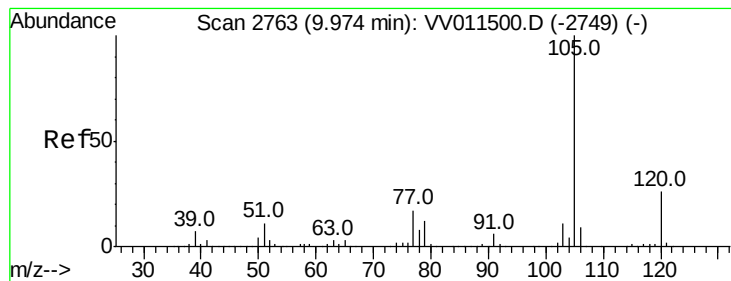
78 48.7 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.911 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

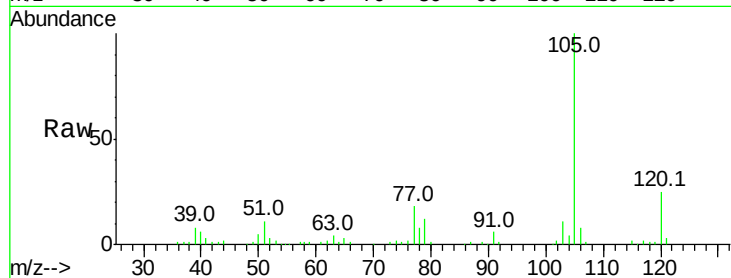
Tgt Ion: 105 Resp: 53089

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

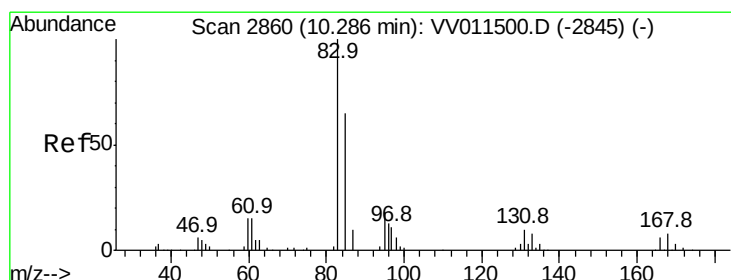
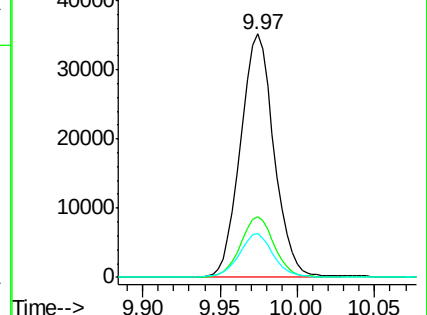
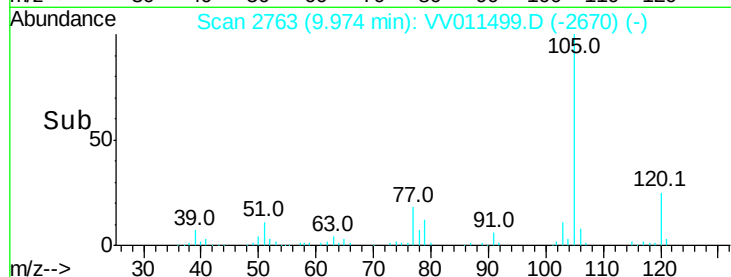
77 18.3 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.239 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

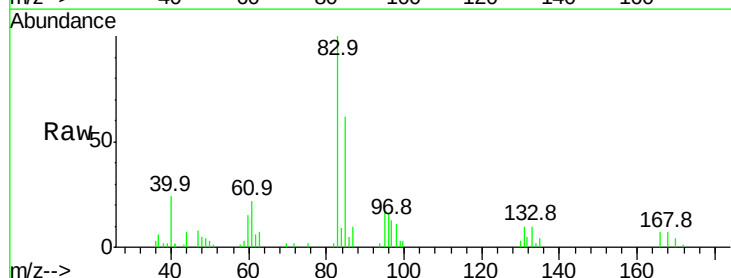
Tgt Ion: 83 Resp: 12071

Ion Ratio Lower Upper

83 100

85 62.0 45.6 84.8

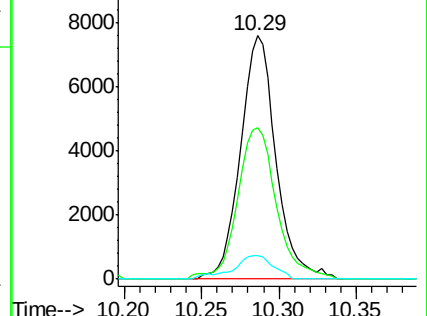
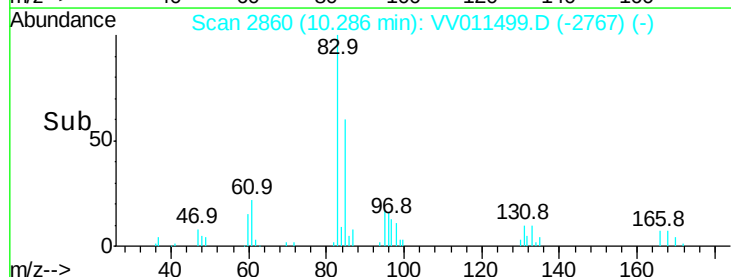
131 9.8 7.9 11.9

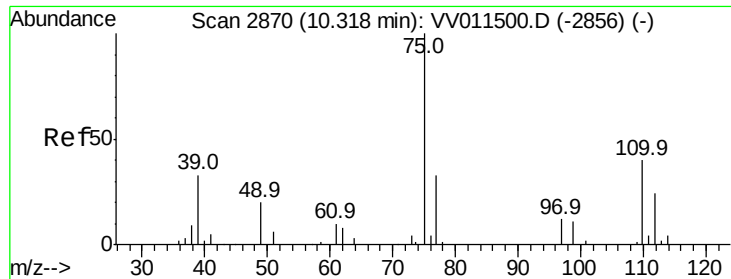


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

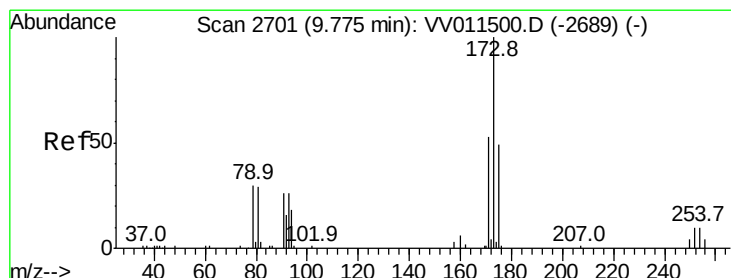
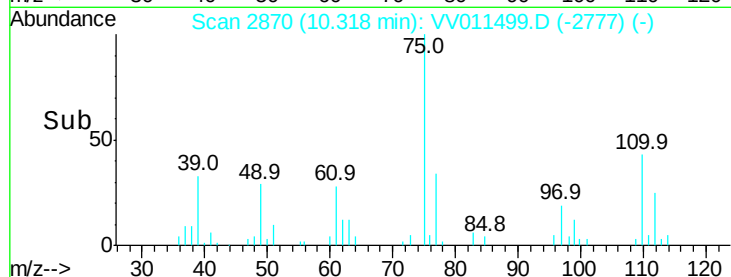
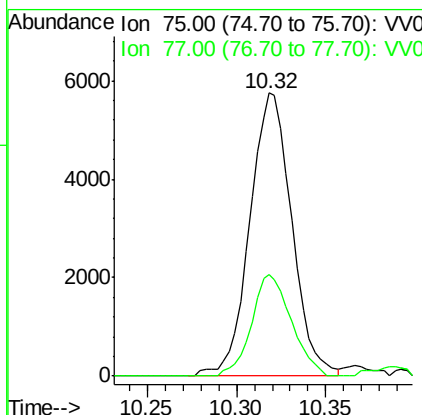
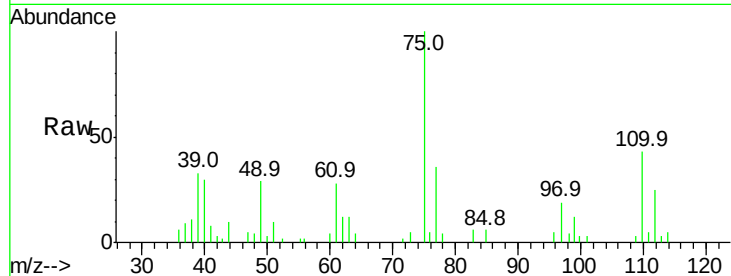




#59
 1,2,3-Trichloropropane
 Concen: 1.296 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

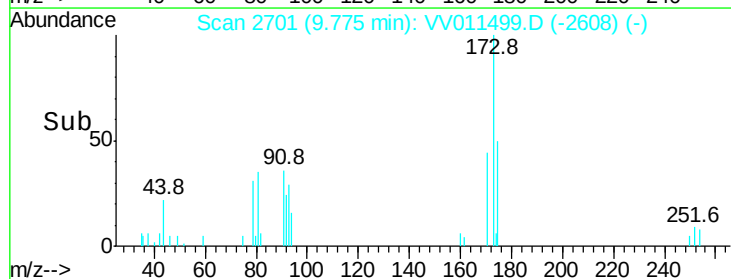
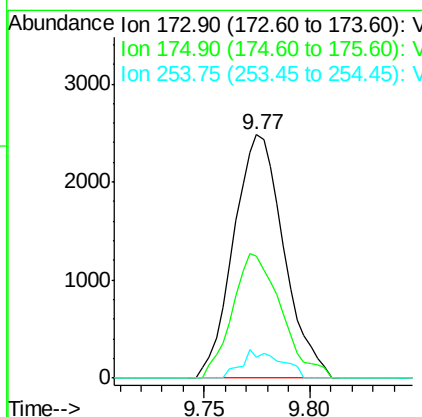
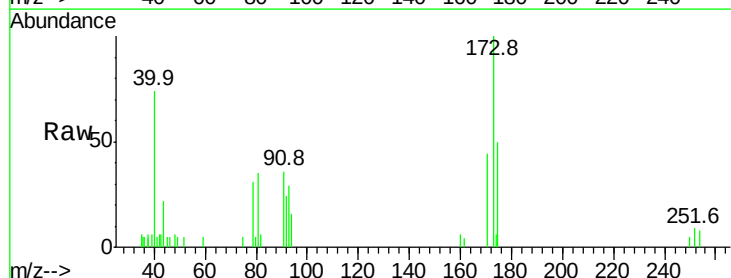
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

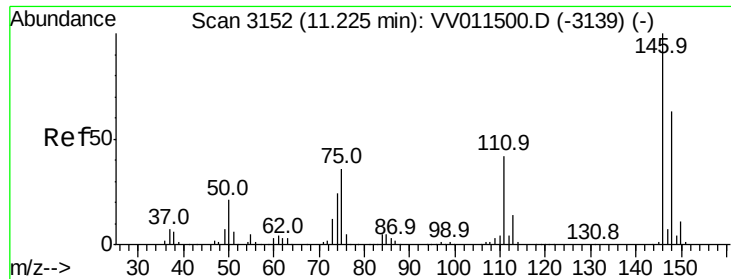
Tgt Ion: 75 Resp: 9484
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.0 39.0



#61
 Bromoform
 Concen: 1.033 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion: 173 Resp: 4105
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.3 57.5
 254 9.0 7.9 11.9

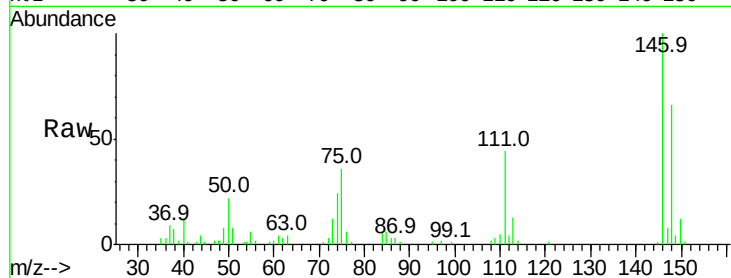




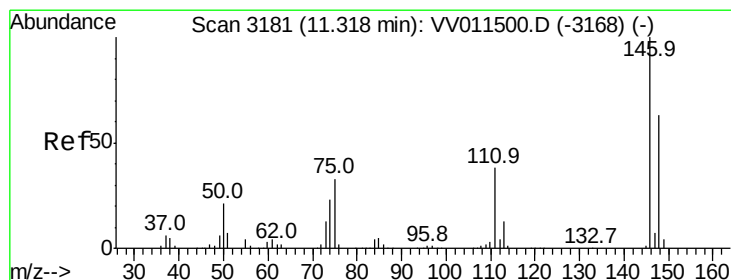
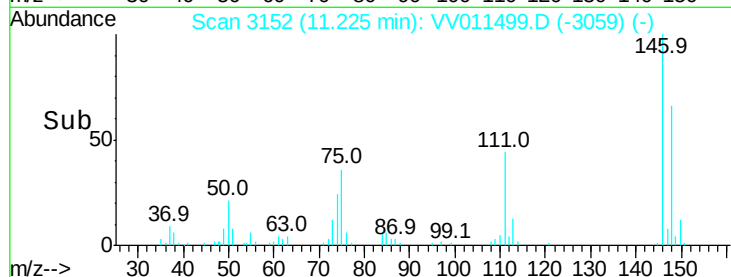
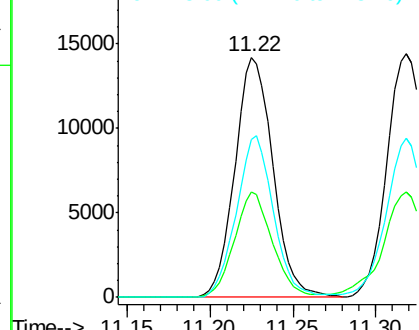
#62
 1,3-Dichlorobenzene
 Concen: 1.036 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:146 Resp: 22665
 Ion Ratio Lower Upper
 146 100
 111 44.0 29.2 54.2
 148 65.7 44.3 82.3

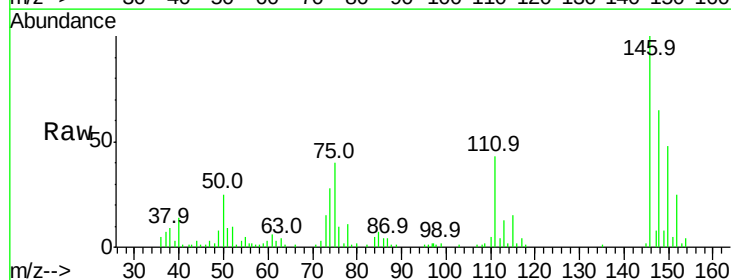


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

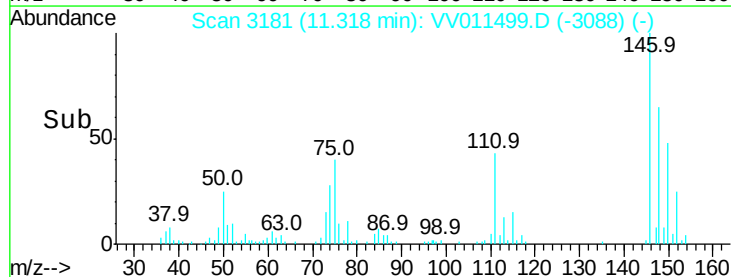
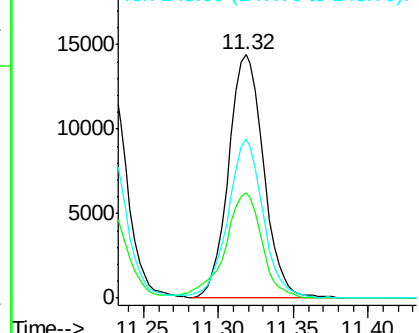


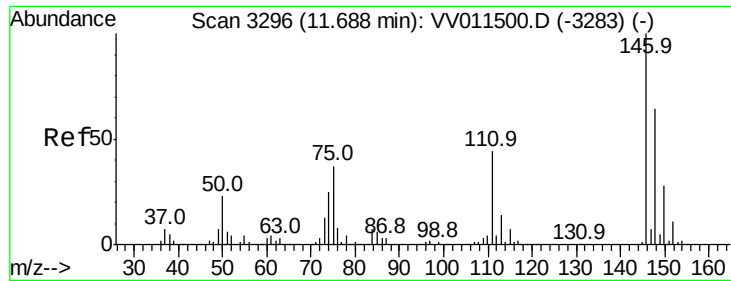
#63
 1,4-Dichlorobenzene
 Concen: 1.108 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion:146 Resp: 23533
 Ion Ratio Lower Upper
 146 100
 111 43.3 26.7 49.7
 148 65.5 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

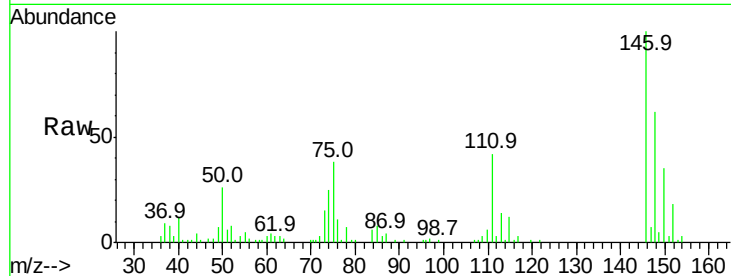




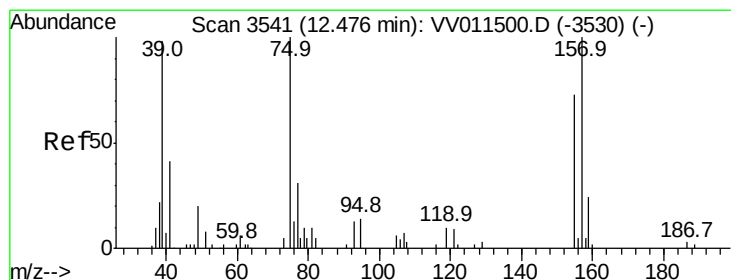
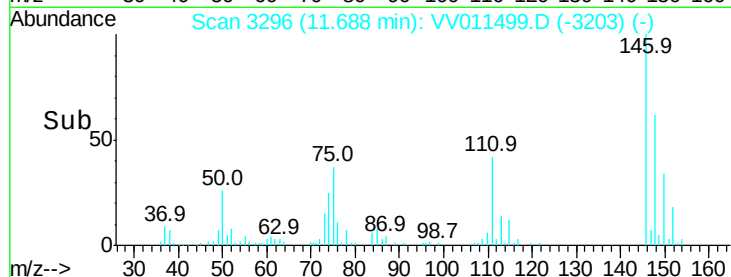
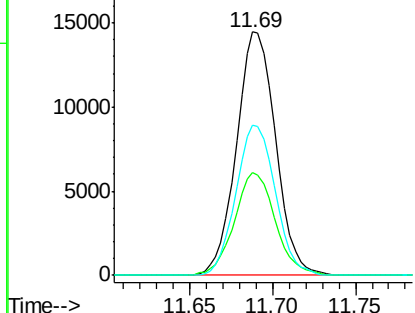
#65
 1,2-Dichlorobenzene
 Concen: 1.176 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 146 Resp: 23778
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.3 52.9
 148 61.7 51.3 76.9

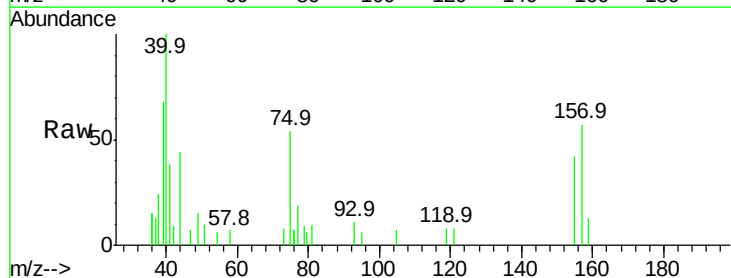


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

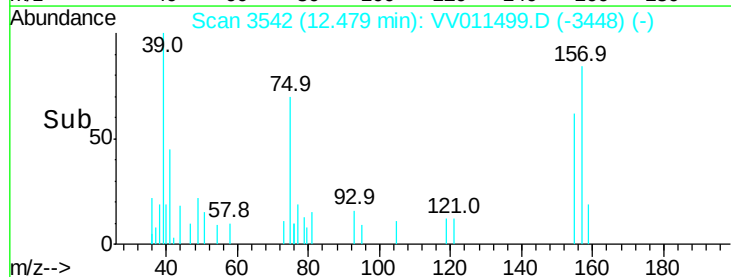
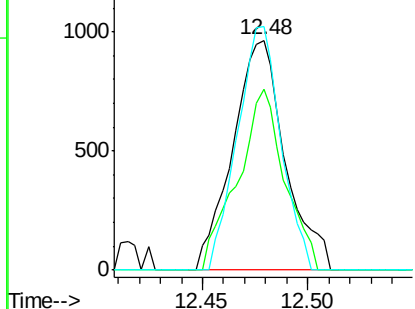


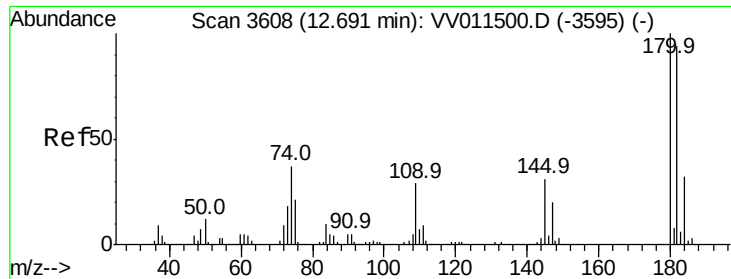
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.152 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion: 75 Resp: 1670
 Ion Ratio Lower Upper
 75 100
 155 78.8 58.5 87.7
 157 106.0 79.8 119.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

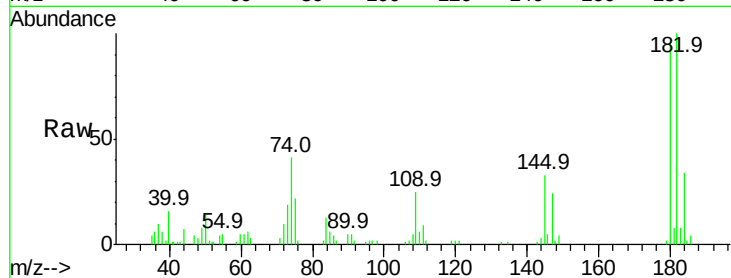




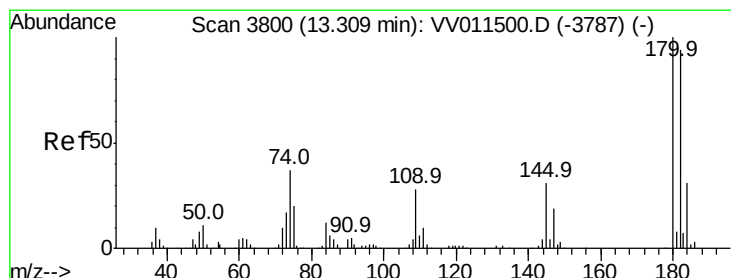
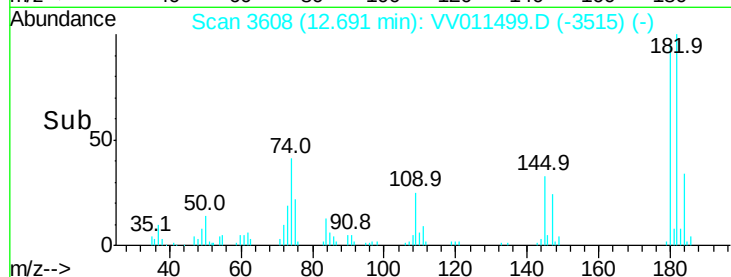
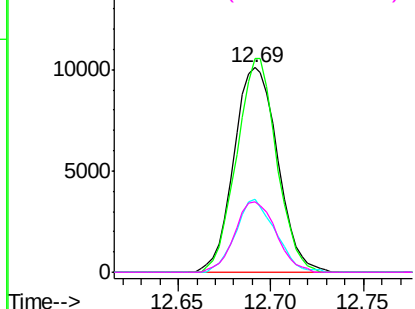
#67
 1,3,5-Trichlorobenzene
 Concen: 1.051 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:180 Resp: 16539
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.4 113.0
 184 32.3 24.0 36.0
 145 32.6 24.4 36.6

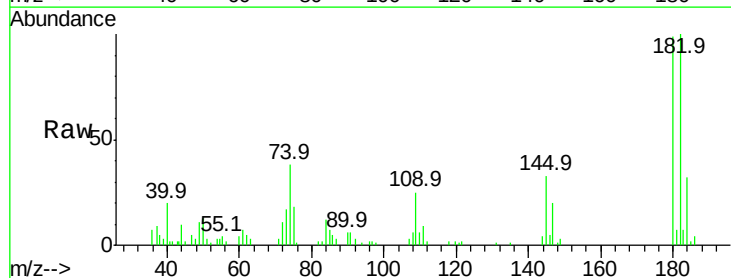


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

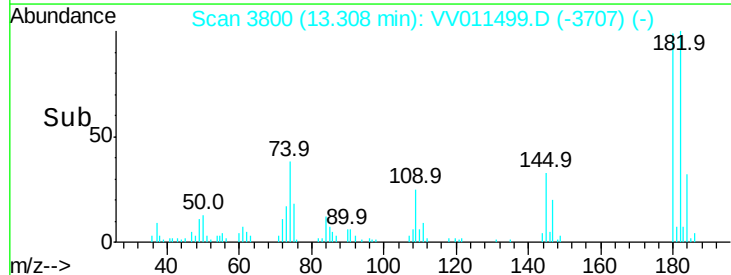
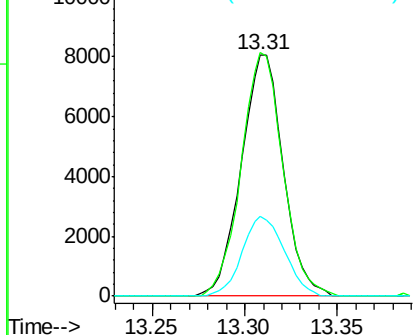


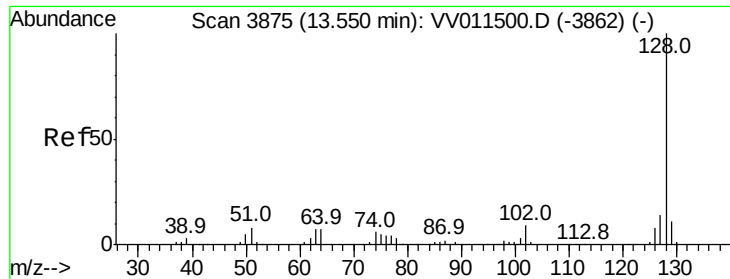
#68
 1,2,4-trichlorobenzene
 Concen: 1.059 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011499.D
 Acq: 14 Jun 2019 17:08

Tgt Ion:180 Resp: 12659
 Ion Ratio Lower Upper
 180 100
 182 100.0 76.2 114.4
 145 33.1 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 1.273 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

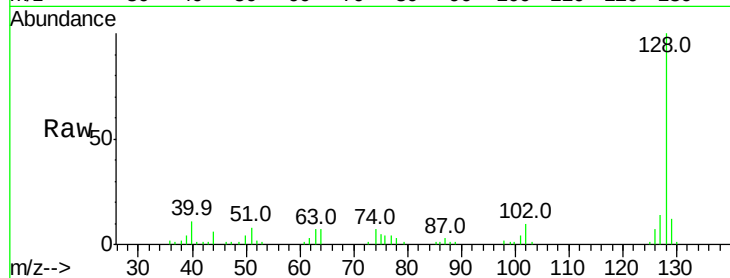
Tgt Ion:128 Resp: 24904

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

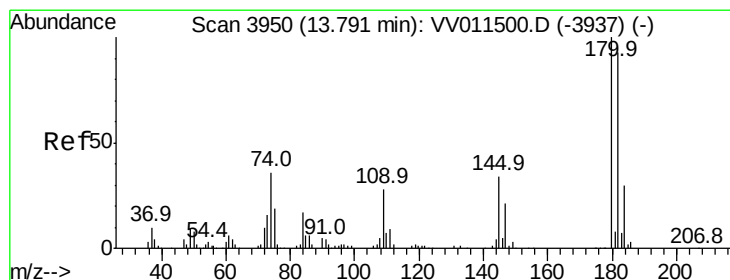
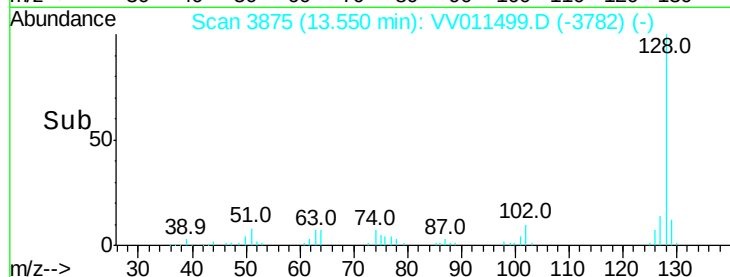
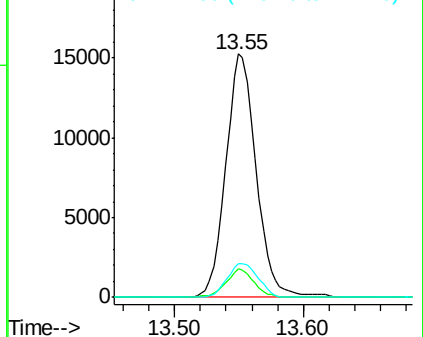
127 14.1 10.9 16.3



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: 1.146 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011499.D

Acq: 14 Jun 2019 17:08

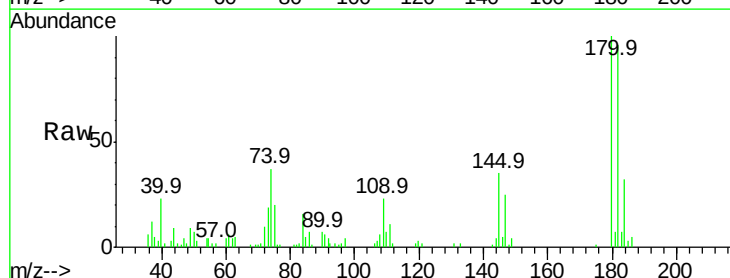
Tgt Ion:180 Resp: 12279

Ion Ratio Lower Upper

180 100

182 97.7 76.6 115.0

145 34.4 27.1 40.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

