

Data File : VV011498.D
Acq On : 14 Jun 2019 16:39
Operator : SY/MD
Sample : VSTD0.549
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Quant Time: Jun 14 18:27:13 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	183377	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	167416	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7505	0.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	5117	0.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	14101	0.51	ug/L	0.00
20) 2-Butanone-d5	3.96	46	16944	5.42	ug/L	0.00
24) Chloroform-d	4.40	84	14017	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7439	0.56	ug/L	0.00
32) Benzene-d6	5.10	84	26102	0.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	8125	0.53	ug/L	0.00
41) Toluene-d8	7.36	98	22677	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	2398	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	13605	5.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5799	0.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	7251	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8415	0.465 ug/L	99
3) Chloromethane	1.25	50	8934	0.511 ug/L	98
5) Vinyl chloride	1.32	62	8872	0.526 ug/L	98
6) Bromomethane	1.53	94	3383	0.385 ug/L	91
8) Chloroethane	1.59	64	4909	0.455 ug/L #	82
9) Trichlorofluoromethane	1.76	101	11090	0.479 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6014	0.506 ug/L	97
12) 1,1-Dichloroethene	2.13	96	5974	0.517 ug/L	89
13) Acetone	2.21	43	14470	6.899 ug/L	99
14) Carbon disulfide	2.31	76	15011	0.428 ug/L	96
15) Methyl Acetate	2.47	43	3671	0.659 ug/L #	88
16) Methylene chloride	2.53	84	6713	0.564 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	15816	0.513 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	6253	0.483 ug/L	99
19) 1,1-Dichloroethane	3.23	63	13186	0.517 ug/L	93
21) 2-Butanone	4.05	43	18037	5.584 ug/L #	69
22) cis-1,2-Dichloroethene	3.96	96	7149	0.499 ug/L	98
23) Bromochloromethane	4.30	128	2648	0.482 ug/L	91
25) Chloroform	4.42	83	12875	0.489 ug/L	95
27) 1,2-Dichloroethane	5.18	62	9391	0.583 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	9699	0.454 ug/L	92
30) Cyclohexane	4.72	56	12167	0.514 ug/L	92
31) Carbon tetrachloride	4.87	117	7989	0.448 ug/L	98
33) Benzene	5.14	78	25766	0.484 ug/L	100
34) Trichloroethene	5.96	95	6810	0.495 ug/L	94
35) Methylcyclohexane	6.17	83	10456	0.459 ug/L	95
37) 1,2-Dichloropropane	6.22	63	7532	0.568 ug/L #	93
38) Bromodichloromethane	6.56	83	7109	0.434 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	7158	0.369 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	45402	5.377 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	26891	0.474	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	5414	0.367	ug/L	88
45) 1,1,2-Trichloroethane	7.88	97	4588	0.541	ug/L	92
47) Tetrachloroethene	8.01	164	5154	0.518	ug/L	95
48) 2-Hexanone	8.19	43	29987	5.092	ug/L	99
49) Dibromochloromethane	8.29	129	3940	0.409	ug/L	99
50) 1,2-Dibromoethane	8.40	107	3875	0.480	ug/L #	92
51) Chlorobenzene	8.93	112	16966	0.490	ug/L	99
52) Ethylbenzene	9.05	91	27899	0.442	ug/L	99
53) m,p-xylene	9.18	106	9799	0.420	ug/L	99
54) o-xylene	9.59	106	9837	0.430	ug/L	90
55) Styrene	9.60	104	15168	0.407	ug/L	94
56) Isopropylbenzene	9.97	105	26205	0.425	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	5341	0.519	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	4206	0.544	ug/L	89
61) Bromoform	9.78	173	2096	0.500	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	11210	0.486	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	11518	0.515	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	11158	0.523	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	819	0.536	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	7972	0.481	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	6121	0.486	ug/L	98
69) Naphthalene	13.55	128	10932	0.530	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	6026	0.534	ug/L	97

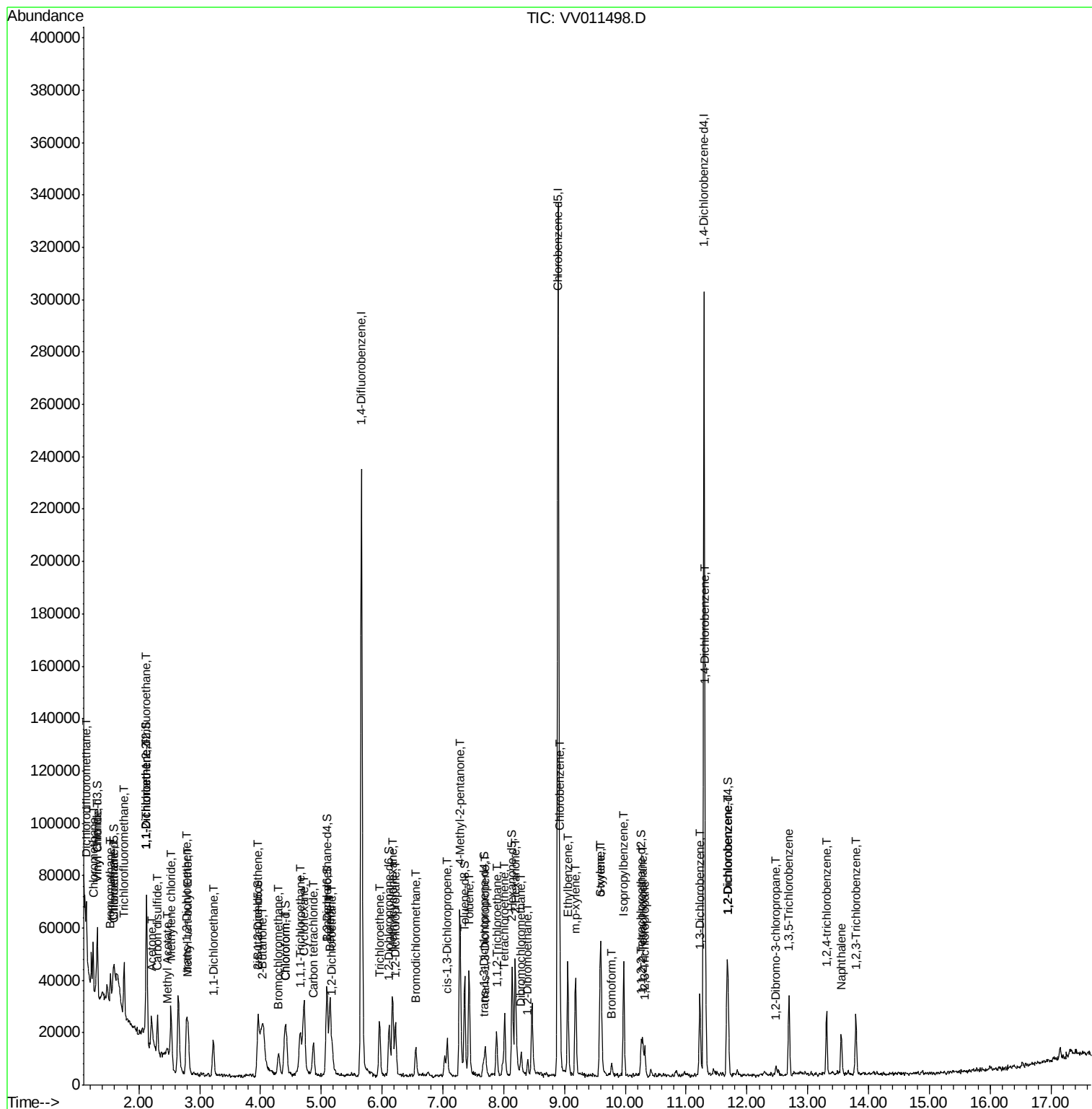
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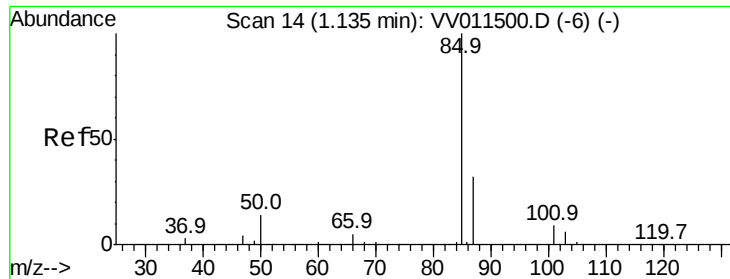
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#2

Dichlorodifluoromethane

Concen: 0.465 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

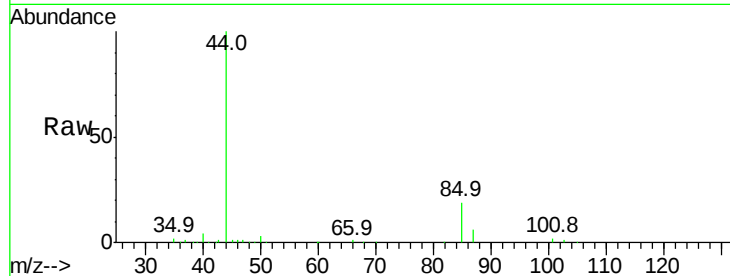
VSTD0.531

Tgt Ion: 85 Resp: 8415

Ion Ratio Lower Upper

85 100

87 33.0 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

10000

8000

6000

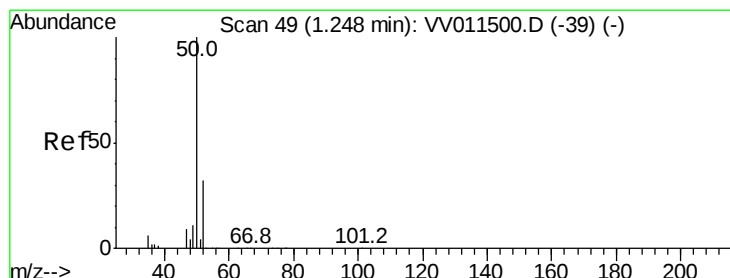
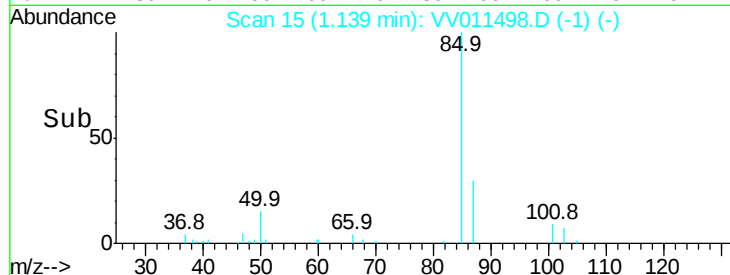
4000

2000

0

Time-->

1.10 1.15



#3

Chloromethane

Concen: 0.511 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011498.D

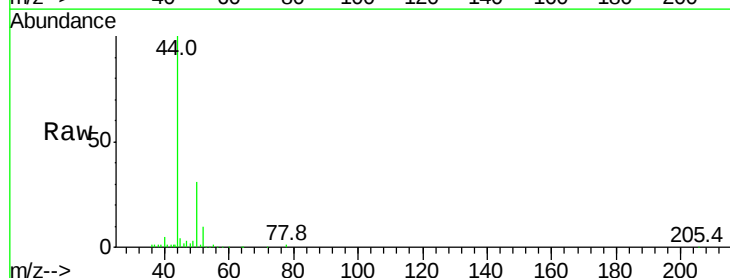
Acq: 14 Jun 2019 16:39

Tgt Ion: 50 Resp: 8934

Ion Ratio Lower Upper

50 100

52 33.3 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

10000

8000

6000

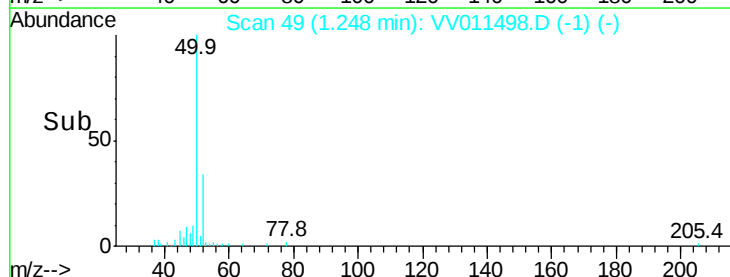
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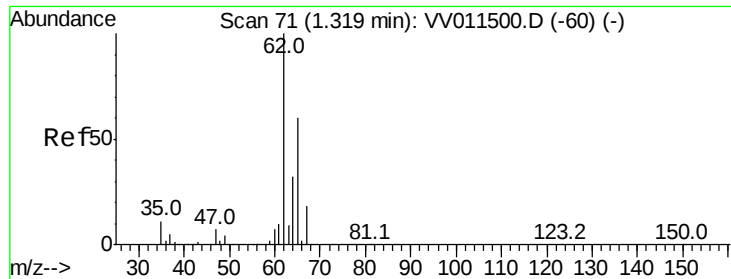
2000

0

Time-->

1.20 1.25





#5

Vinyl chloride

Concen: 0.526 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

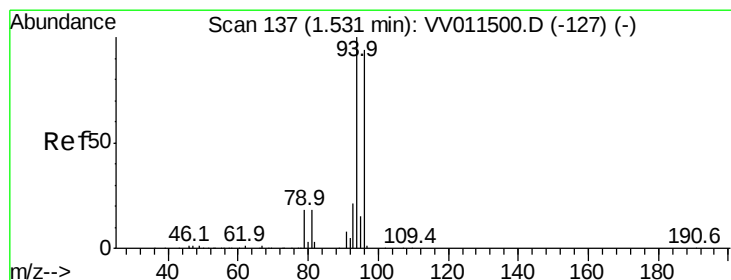
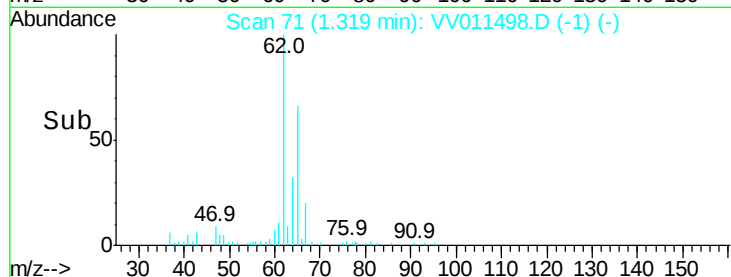
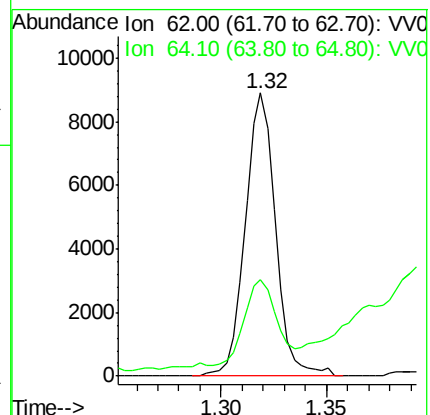
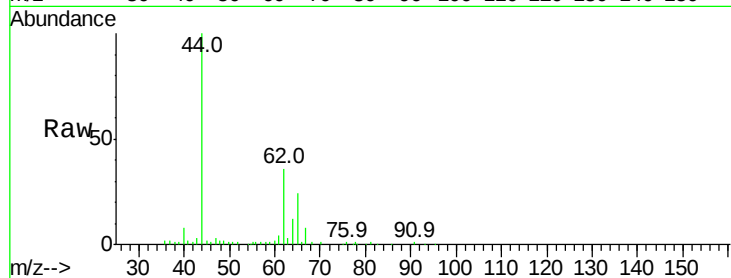
VSTD0.531

Tgt Ion: 62 Resp: 8872

Ion Ratio Lower Upper

62 100

64 34.0 23.0 42.6



#6

Bromomethane

Concen: 0.385 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV011498.D

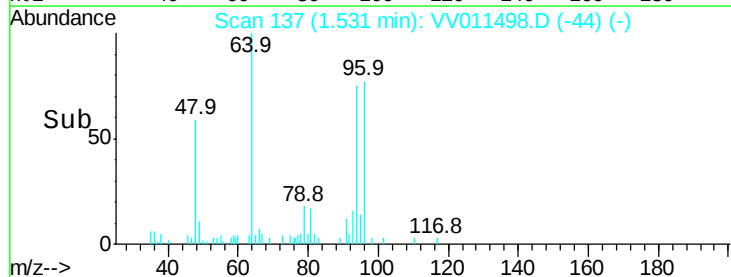
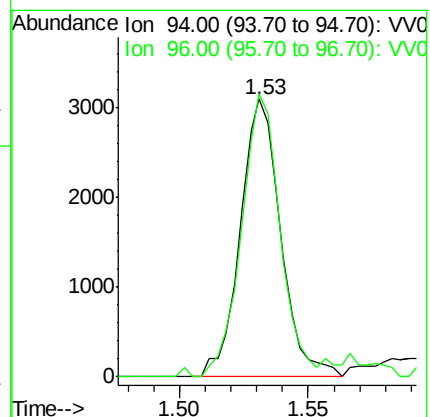
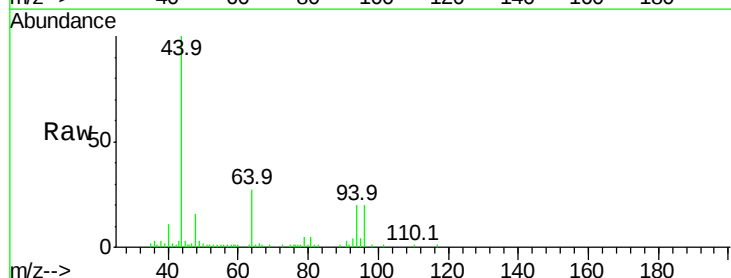
Acq: 14 Jun 2019 16:39

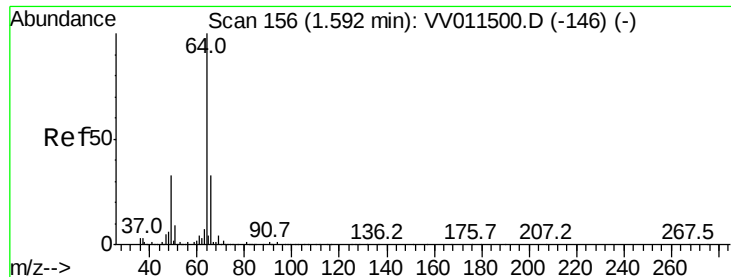
Tgt Ion: 94 Resp: 3383

Ion Ratio Lower Upper

94 100

96 101.8 65.5 121.7





#8

Chloroethane

Concen: 0.455 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

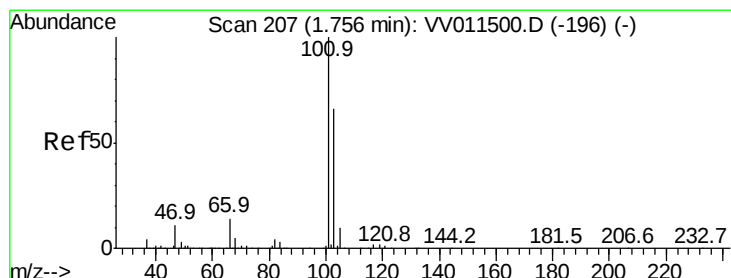
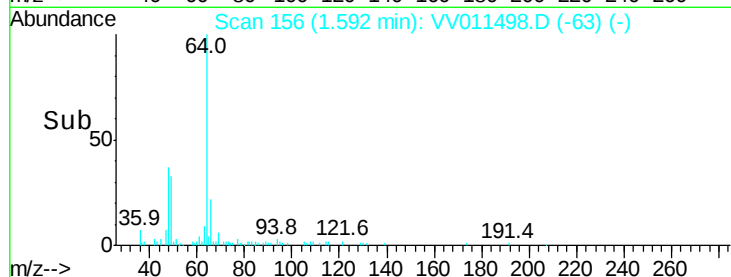
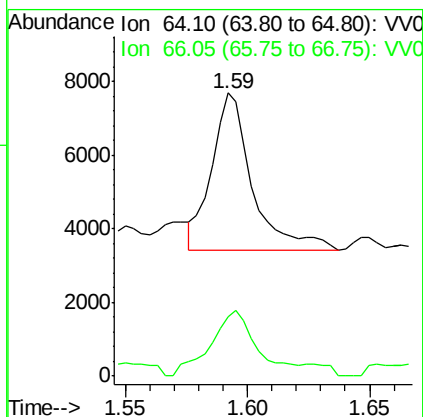
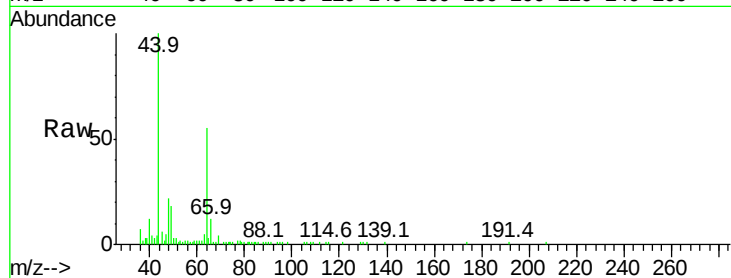
VSTD0.531

Tgt Ion: 64 Resp: 4909

Ion Ratio Lower Upper

64 100

66 21.1 21.6 40.2#



#9

Trichlorofluoromethane

Concen: 0.479 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV011498.D

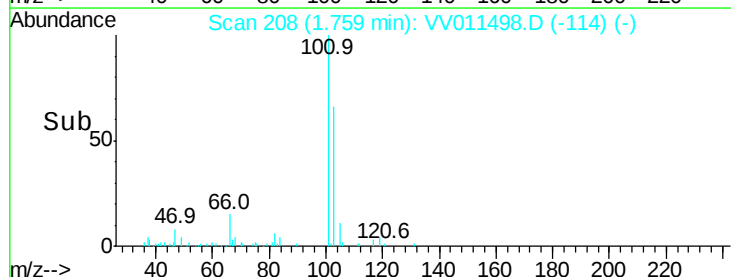
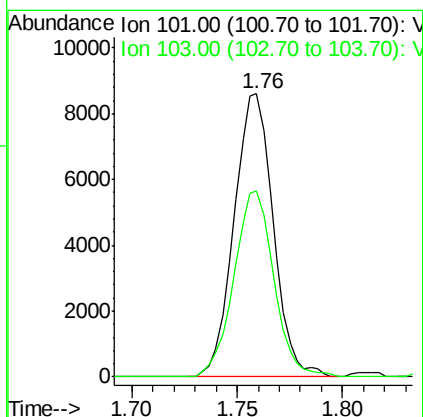
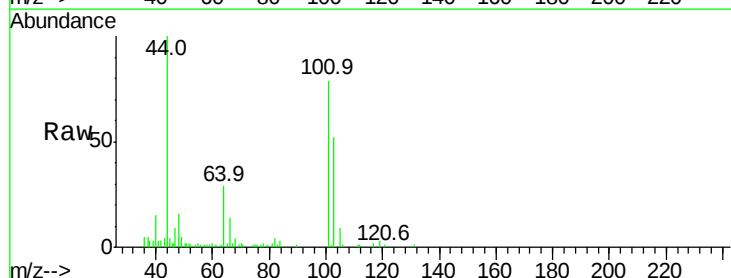
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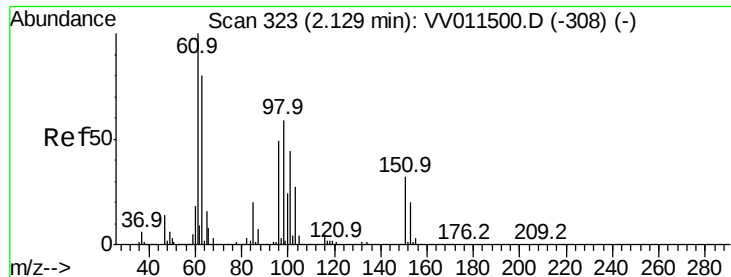
Tgt Ion: 101 Resp: 11090

Ion Ratio Lower Upper

101 100

103 67.0 52.5 78.7





#10

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

Concen: 0.506 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

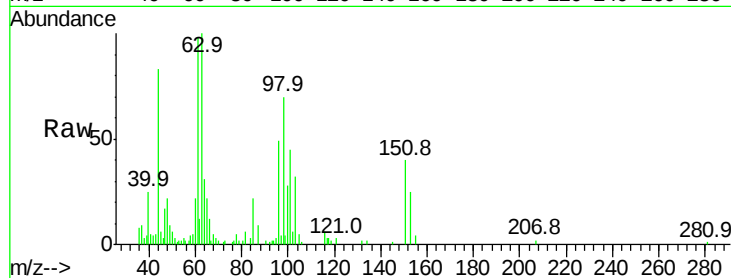
Tgt Ion:101 Resp: 6014

Ion Ratio Lower Upper

101 100

85 49.4 37.3 55.9

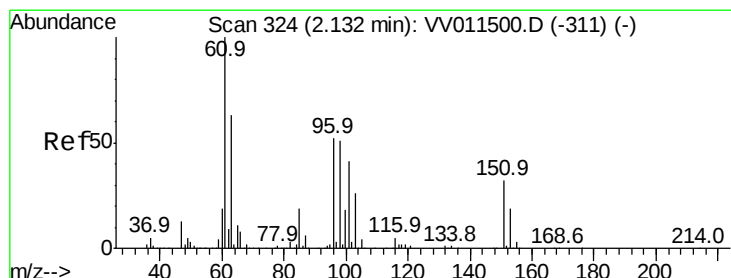
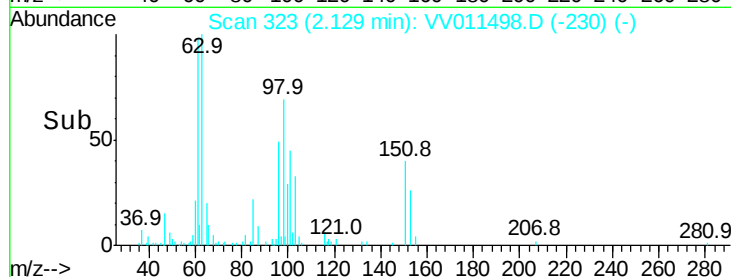
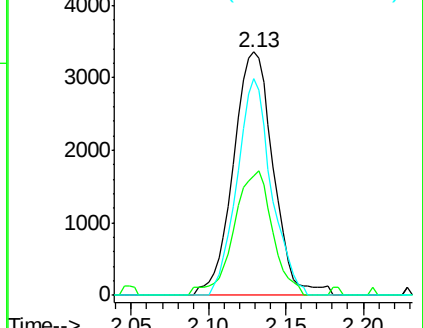
151 76.5 59.4 89.2



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: 0.517 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

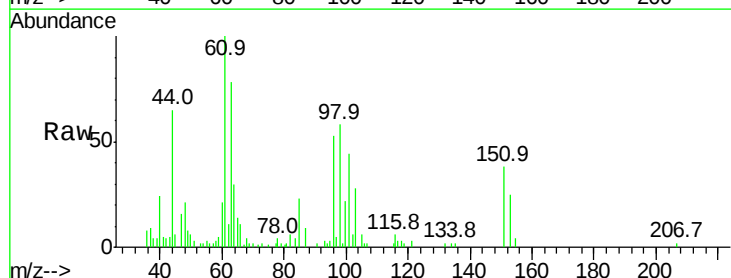
Tgt Ion: 96 Resp: 5974

Ion Ratio Lower Upper

96 100

61 187.3 135.9 252.5

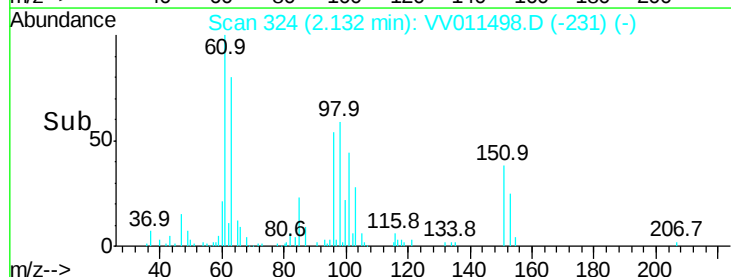
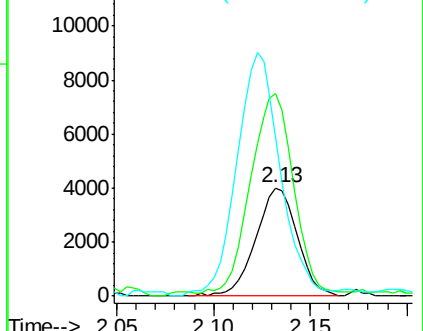
63 146.8 86.2 160.2

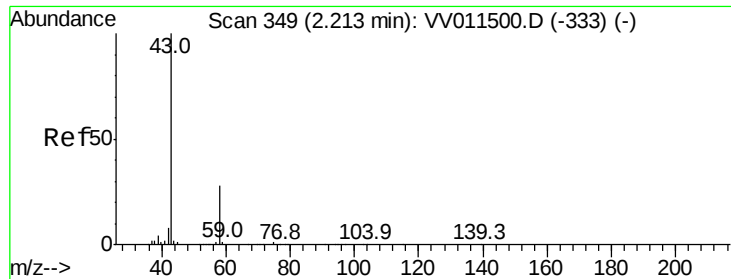


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.899 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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ClientSampleId :

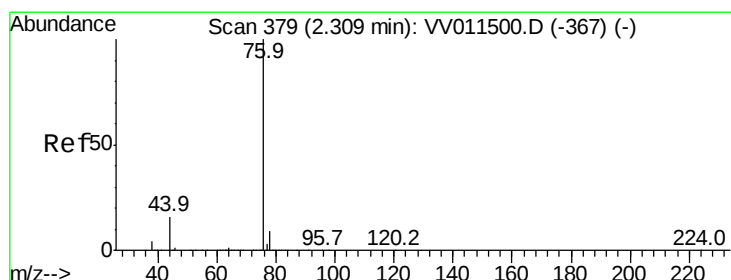
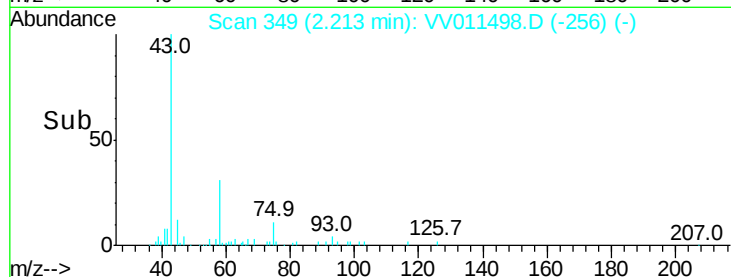
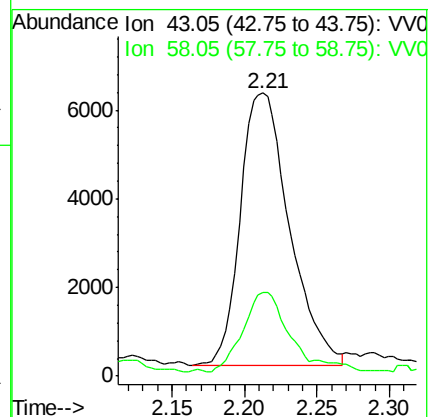
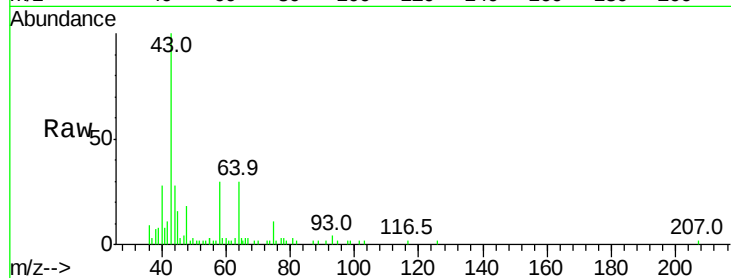
VSTD0.531

Tgt Ion: 43 Resp: 14470

Ion Ratio Lower Upper

43 100

58 28.3 0.0 57.8



#14

Carbon disulfide

Concen: 0.428 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011498.D

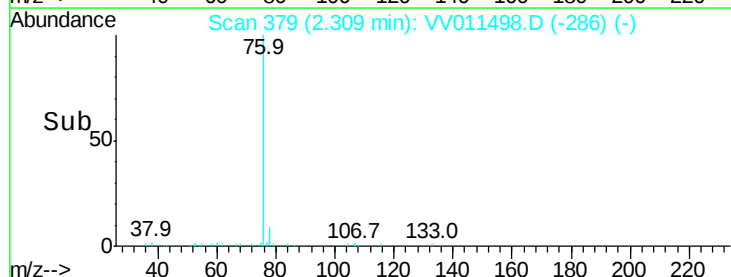
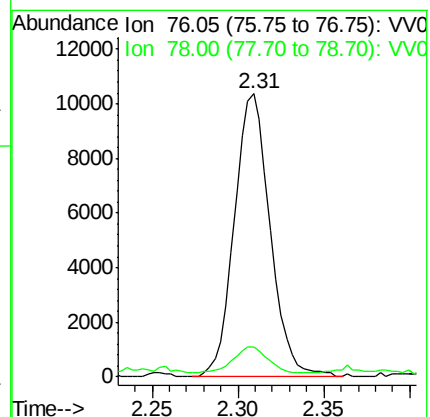
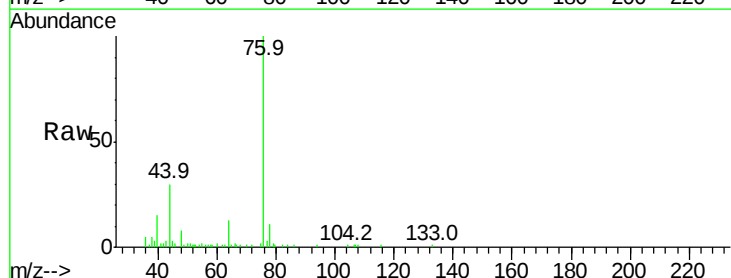
Acq: 14 Jun 2019 16:39

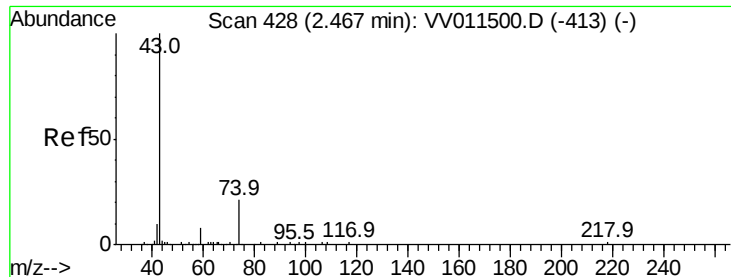
Tgt Ion: 76 Resp: 15011

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2

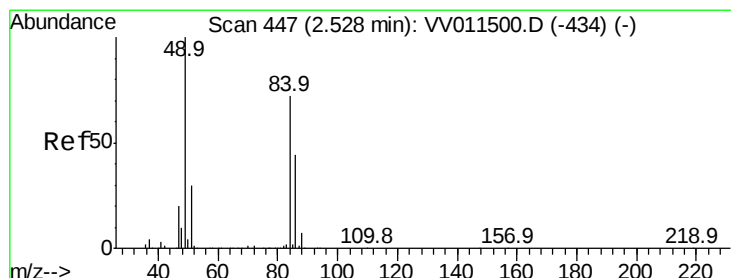
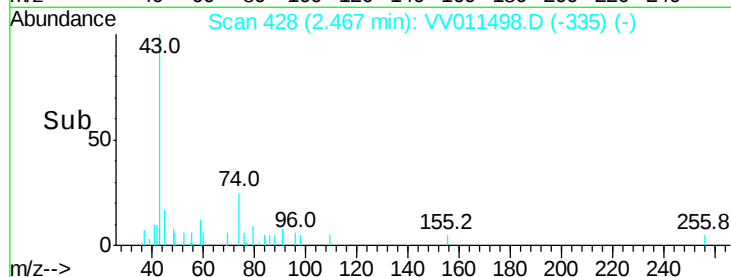
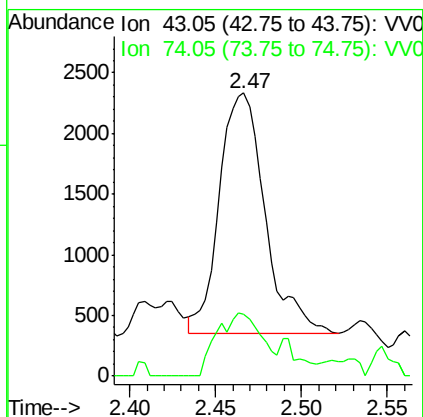
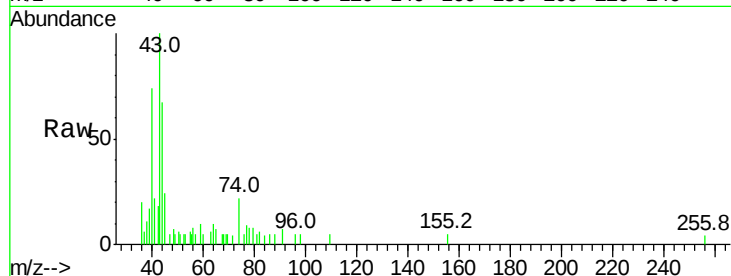




#15
Methyl Acetate
Concen: 0.659 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

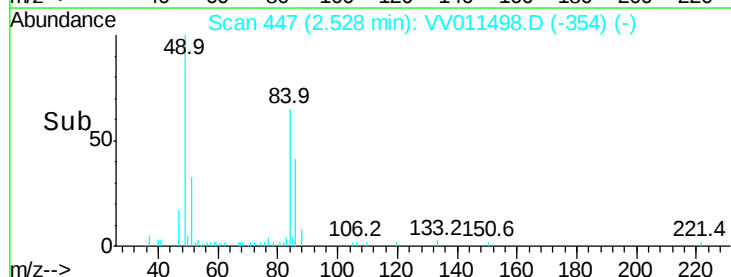
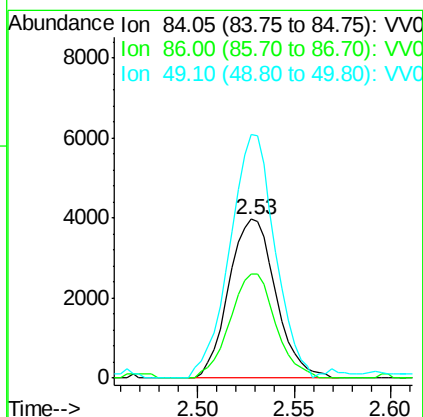
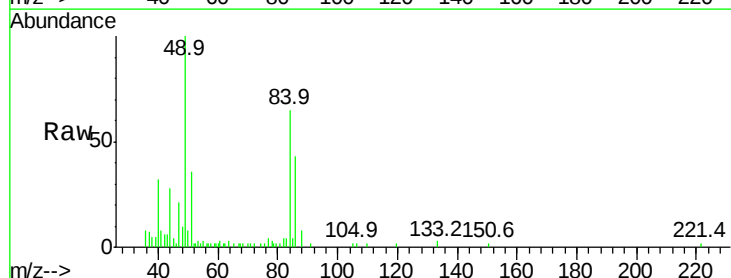
Instrument :
MSVOA_V
ClientSampled :
VSTD0.531

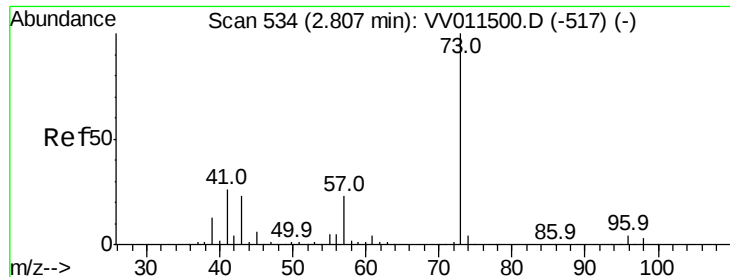
Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
74 26.2 16.5 24.7#



#16
Methylene chloride
Concen: 0.564 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Tgt Ion: 84 Resp: 6713
Ion Ratio Lower Upper
84 100
86 65.9 42.5 78.9
49 153.4 97.7 181.5





#17

Methyl tert-butyl Ether

Concen: 0.513 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

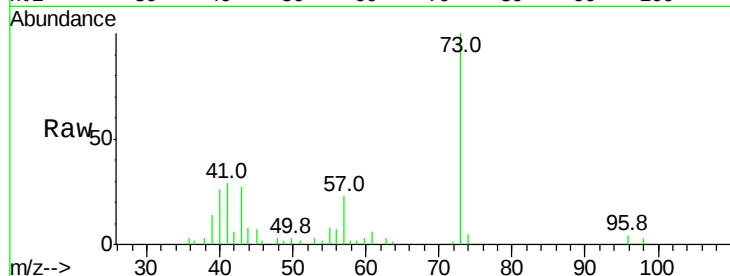
Tgt Ion: 73 Resp: 15816

Ion Ratio Lower Upper

73 100

43 23.4 18.2 27.4

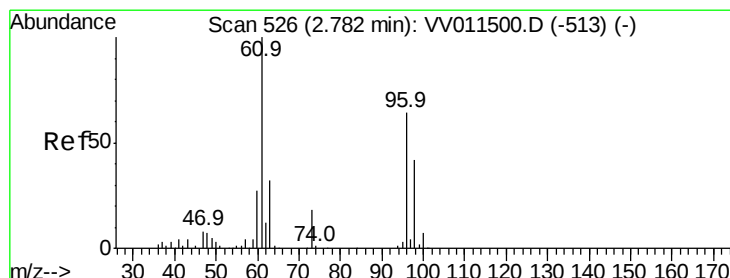
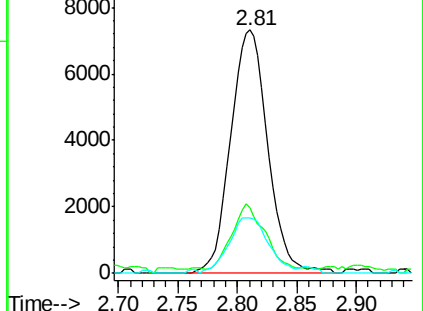
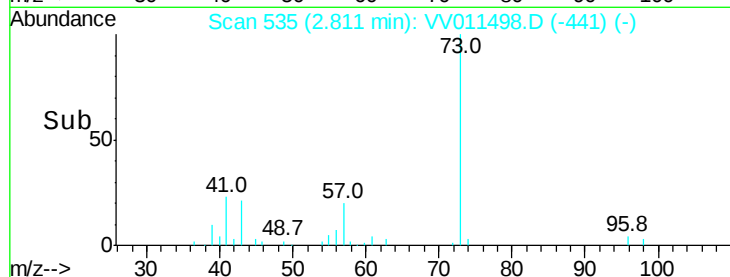
57 24.5 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.483 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

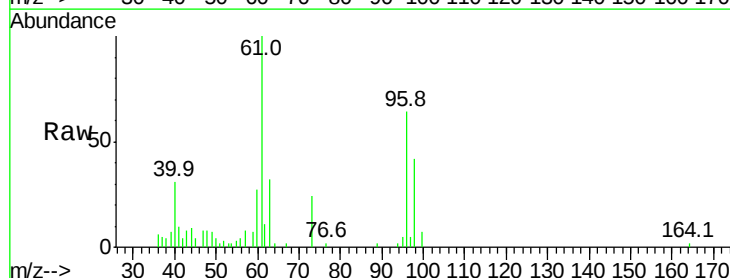
Tgt Ion: 96 Resp: 6253

Ion Ratio Lower Upper

96 100

61 156.1 110.0 204.4

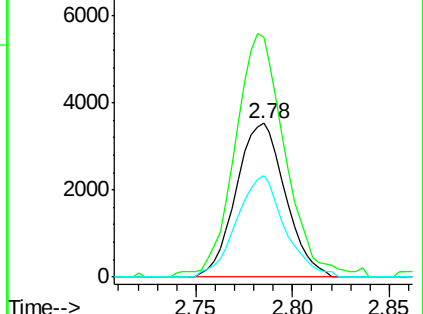
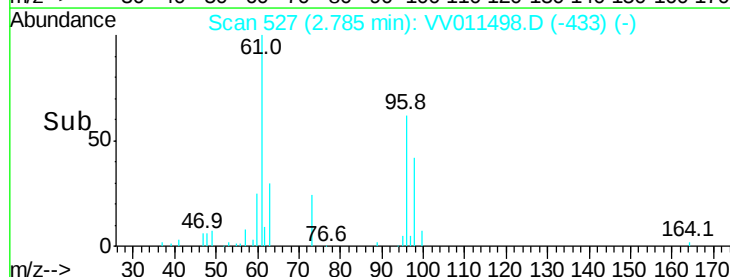
98 66.3 45.8 85.0

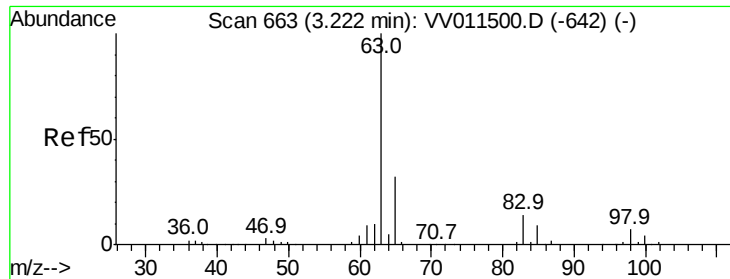


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.517 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

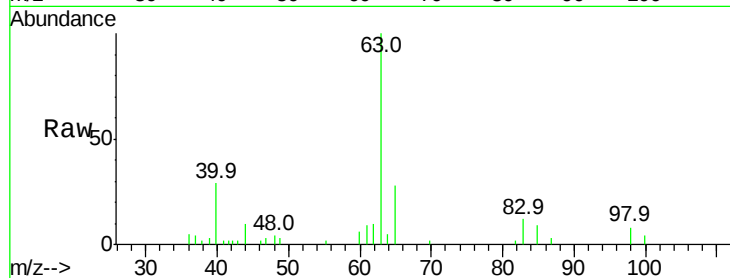
Tgt Ion: 63 Resp: 13186

Ion Ratio Lower Upper

63 100

65 28.2 22.5 41.9

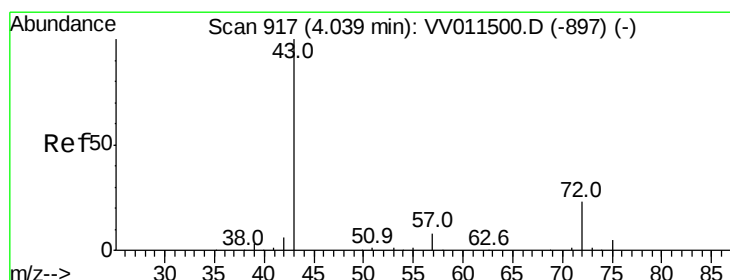
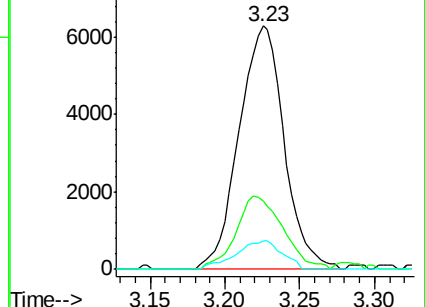
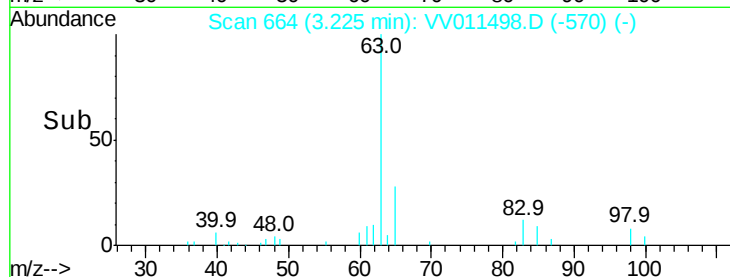
83 11.6 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 5.584 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.01 min

Lab File: VV011498.D

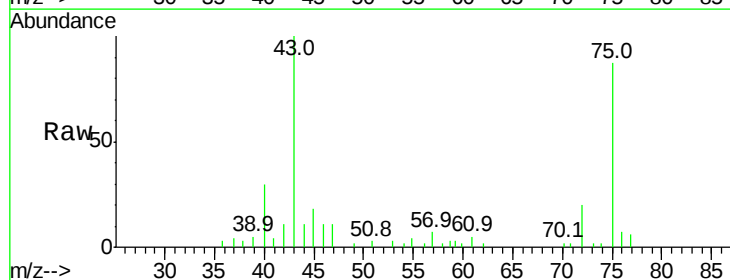
Acq: 14 Jun 2019 16:39

Tgt Ion: 43 Resp: 18037

Ion Ratio Lower Upper

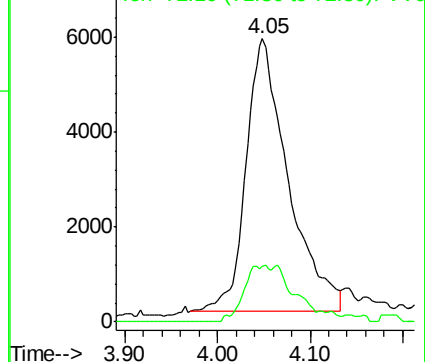
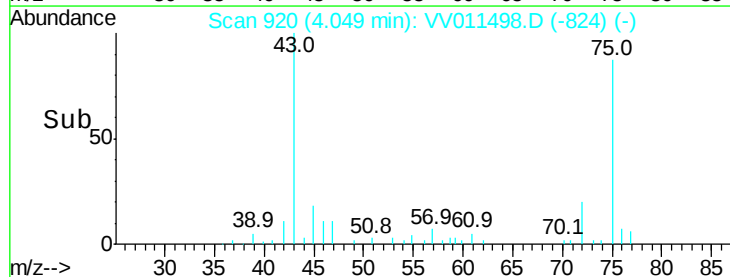
43 100

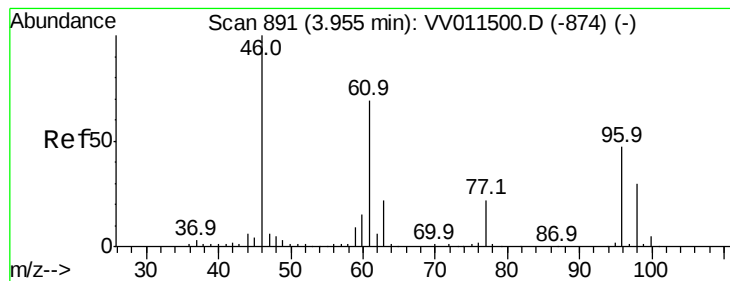
72 8.3 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



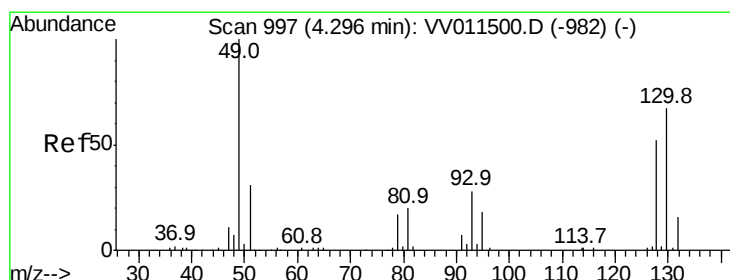
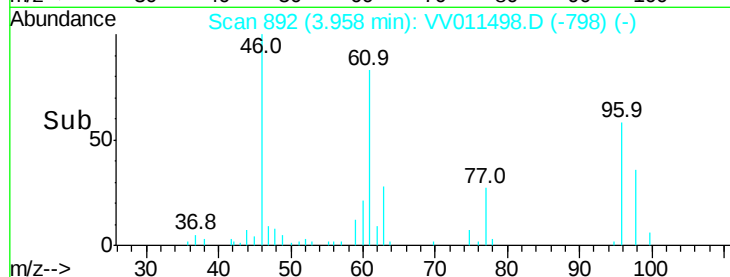
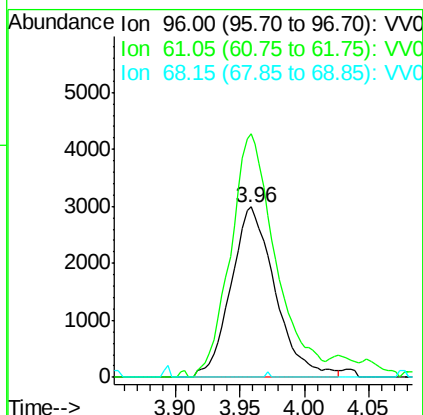
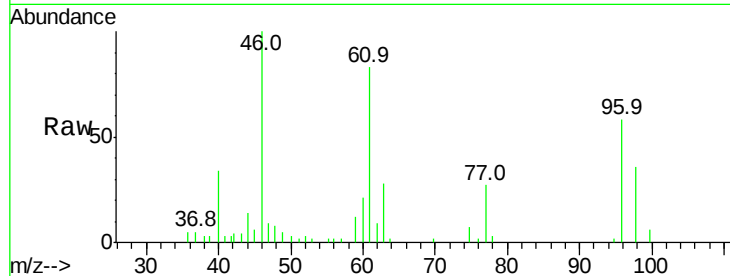


#22

cis-1,2-Dichloroethene
Concen: 0.499 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Instrument :
MSVOA_V
ClientSampled :
VSTD0.531

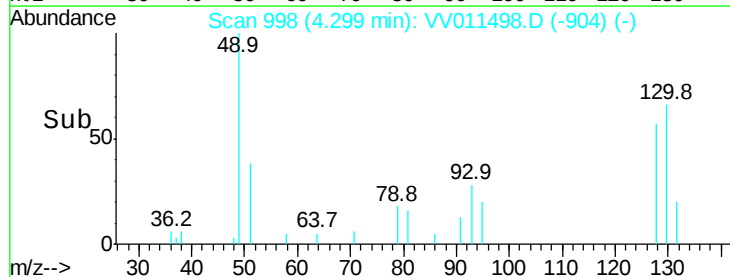
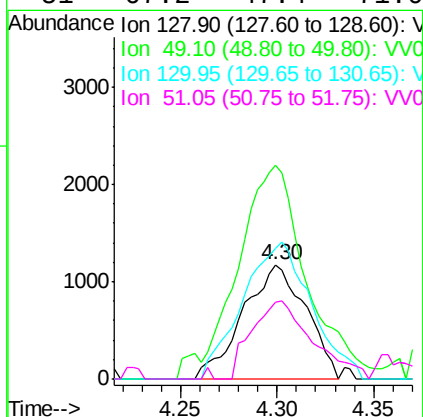
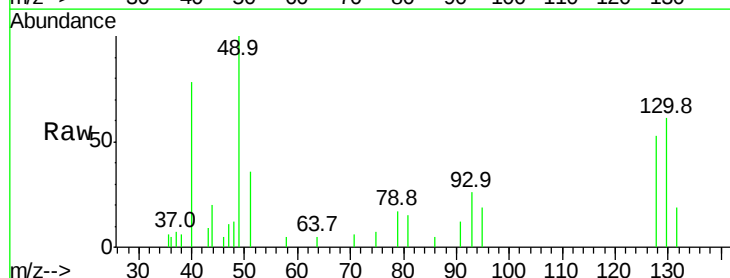
Tgt Ion: 96 Resp: 7149
Ion Ratio Lower Upper
96 100
61 143.2 102.2 189.8
68 0.0 0.0 0.0

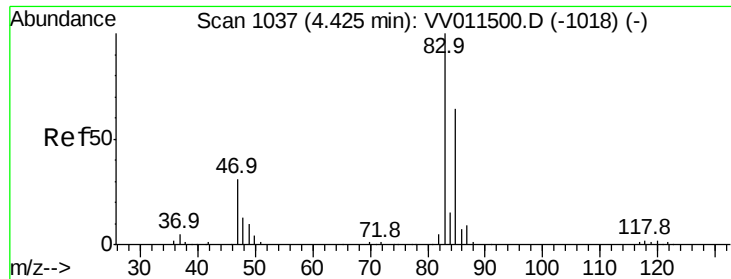


#23

Bromochloromethane
Concen: 0.482 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Tgt Ion: 128 Resp: 2648
Ion Ratio Lower Upper
128 100
49 187.5 136.2 253.0
130 114.7 91.3 169.5
51 67.2 47.4 71.0

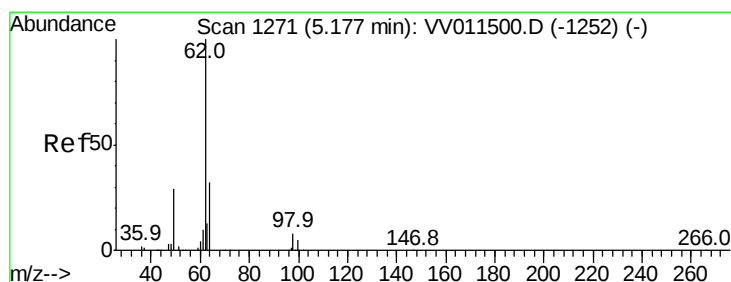
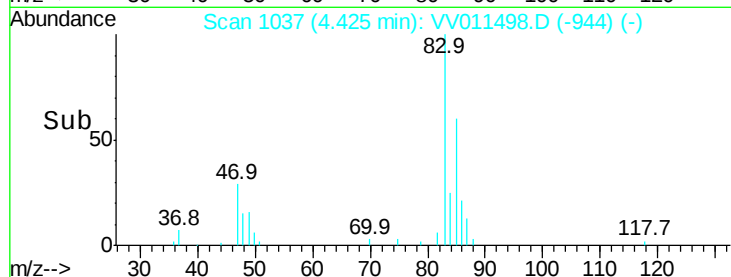
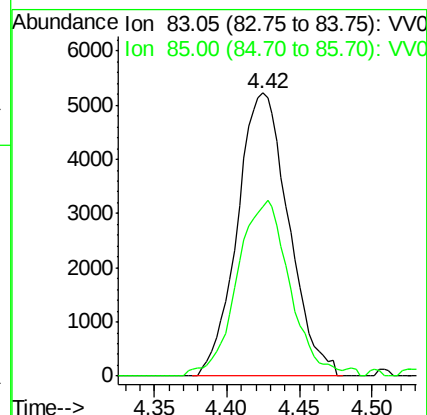
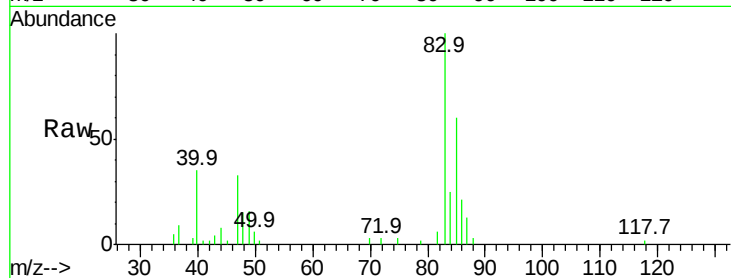




#25
Chloroform
Concen: 0.489 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

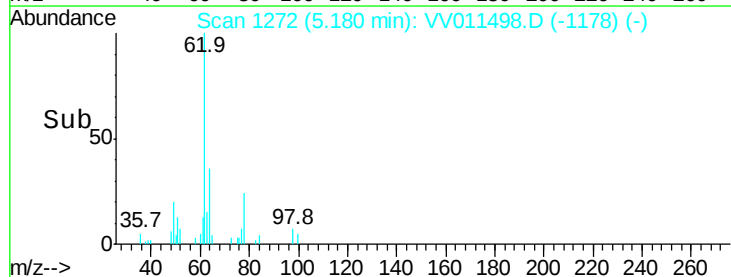
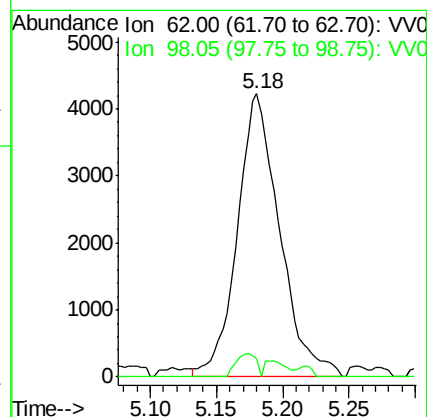
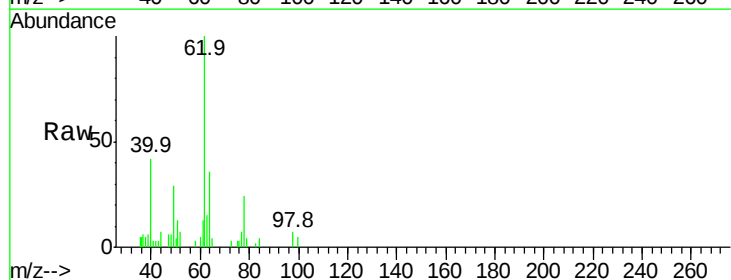
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

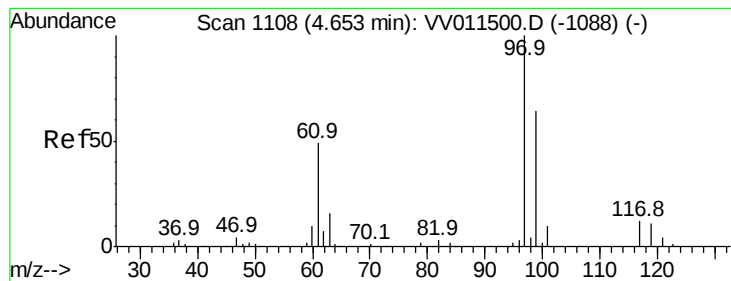
Tgt Ion: 83 Resp: 12875
Ion Ratio Lower Upper
83 100
85 60.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.583 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Tgt Ion: 62 Resp: 9391
Ion Ratio Lower Upper
62 100
98 6.6 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 0.454 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

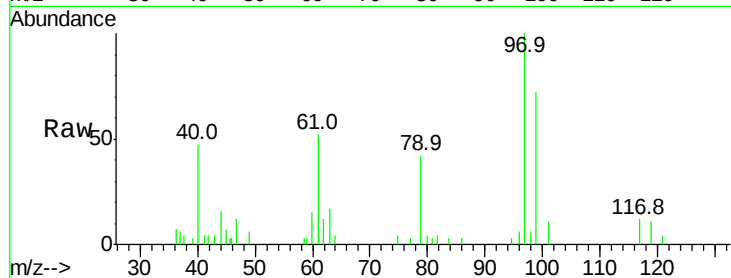
Tgt Ion: 97 Resp: 9699

Ion Ratio Lower Upper

97 100

99 69.2 51.6 77.4

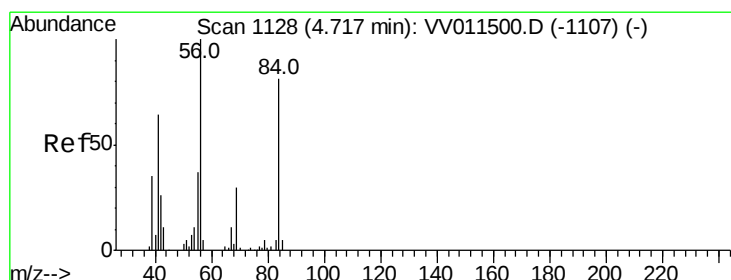
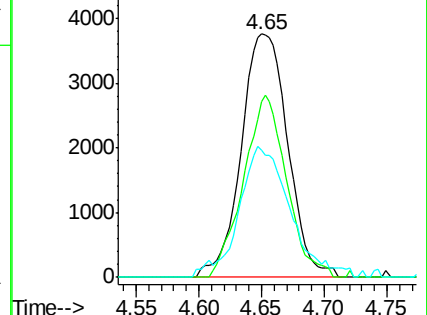
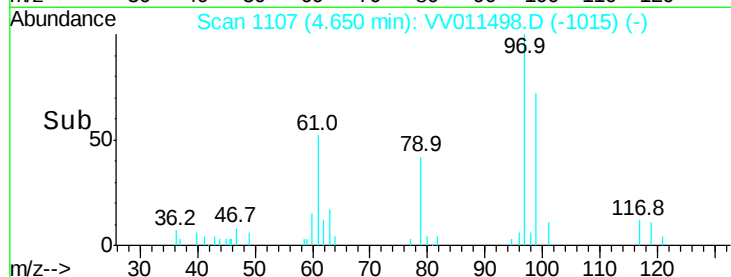
61 57.4 40.4 60.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.514 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

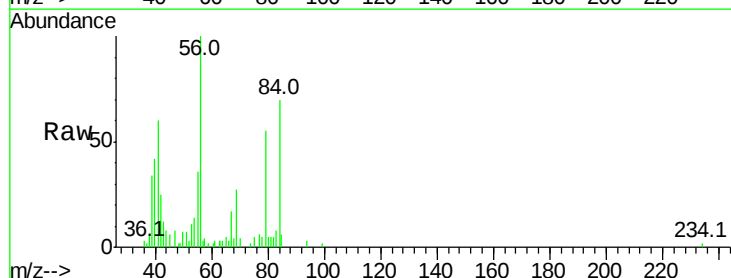
Tgt Ion: 56 Resp: 12167

Ion Ratio Lower Upper

56 100

69 28.0 24.1 36.1

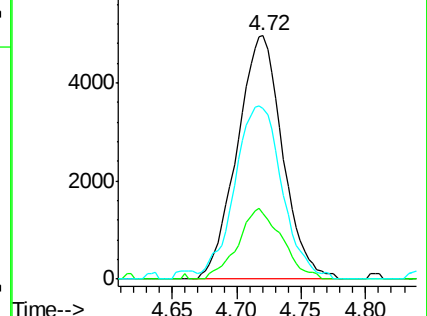
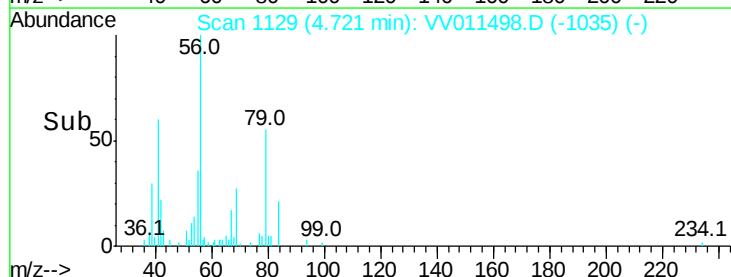
84 74.4 66.8 100.2

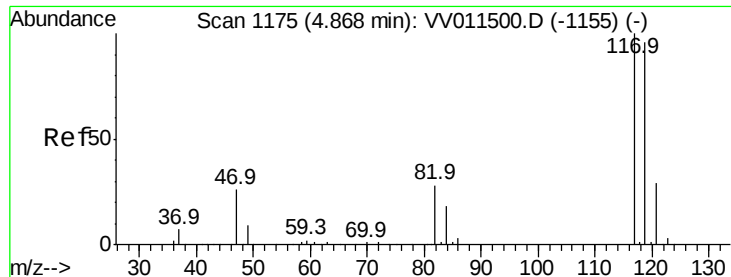


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0



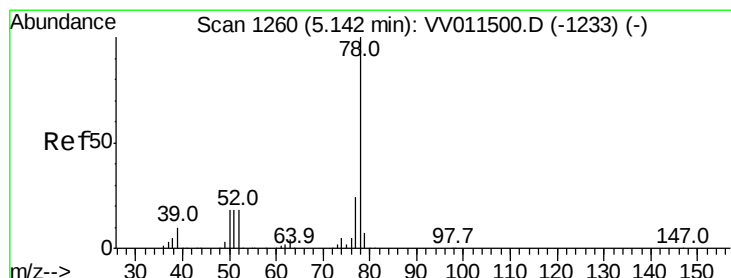
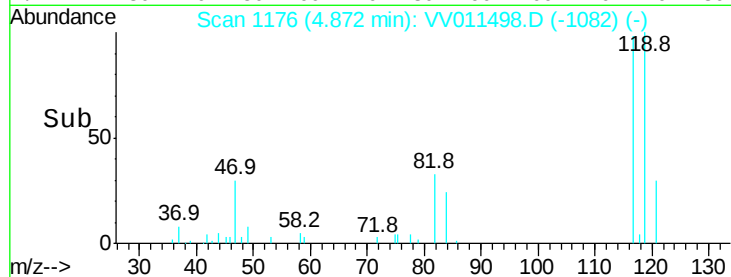
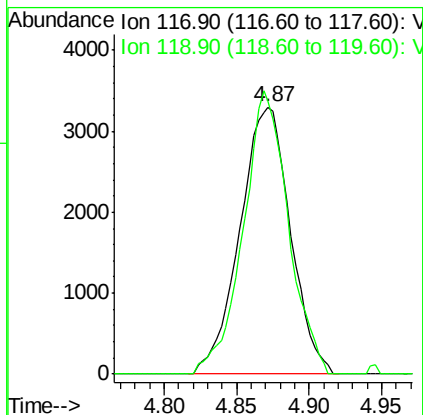
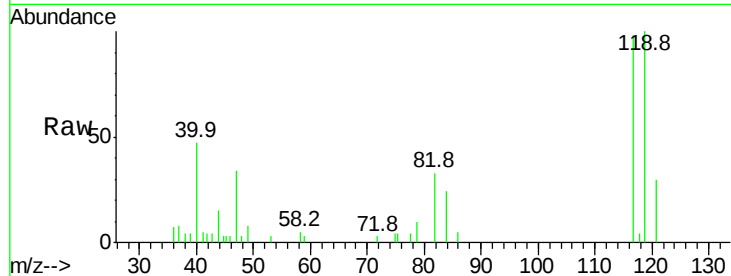


#31

Carbon tetrachloride
 Concen: 0.448 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

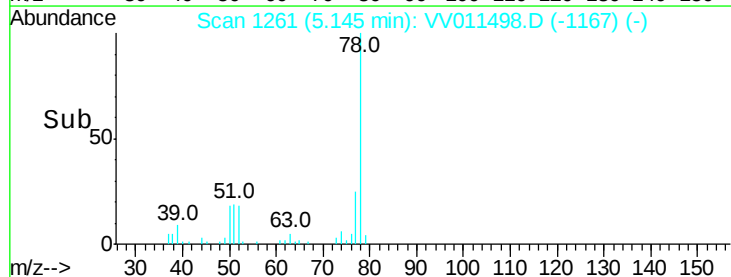
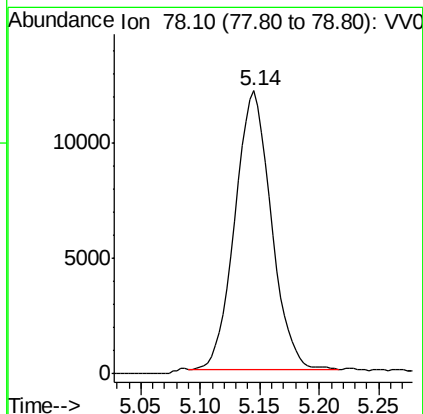
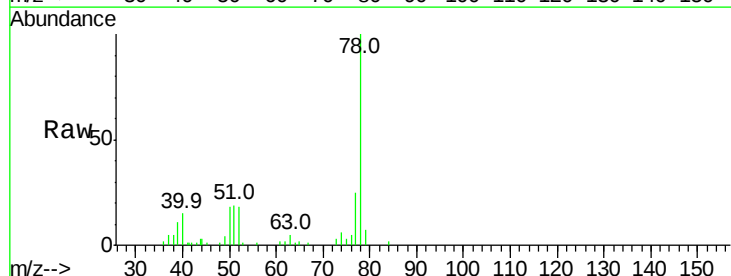
Tgt Ion:117 Resp: 7989
 Ion Ratio Lower Upper
 117 100
 119 95.0 77.4 116.2

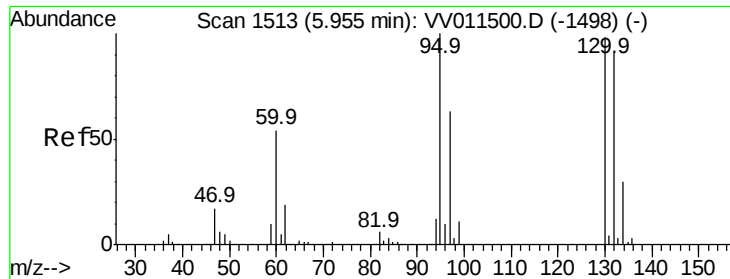


#33

Benzene
 Concen: 0.484 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion: 78 Resp: 25766

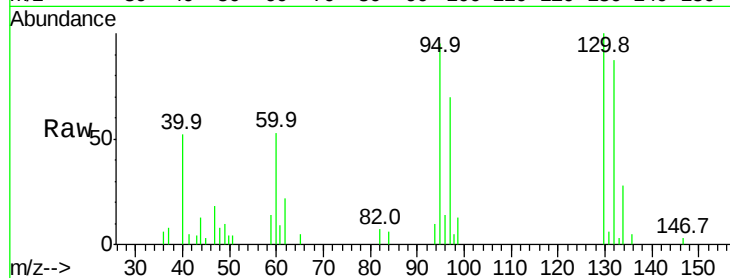




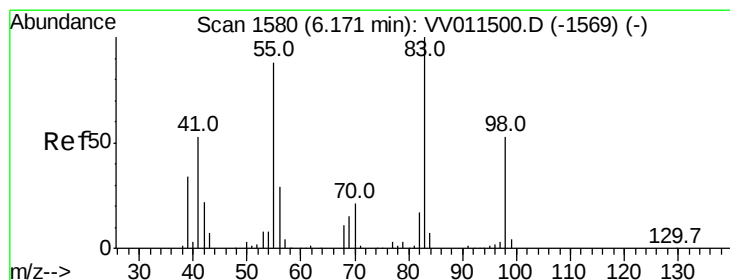
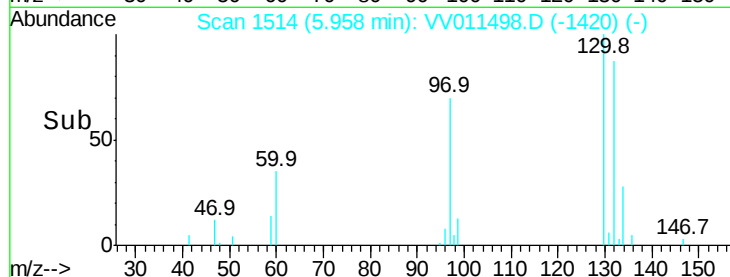
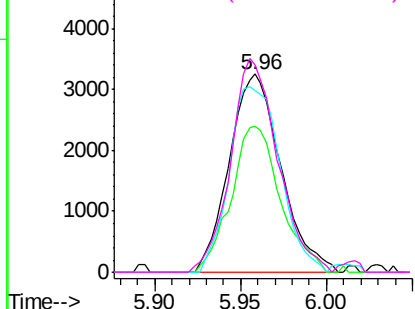
#34
 Trichloroethene
 Concen: 0.495 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion: 95 Resp: 6810
 Ion Ratio Lower Upper
 95 100
 97 73.7 44.4 82.4
 132 91.7 63.5 117.9
 130 104.9 68.5 127.3

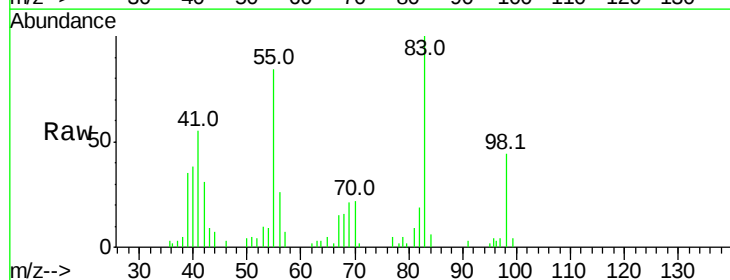


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

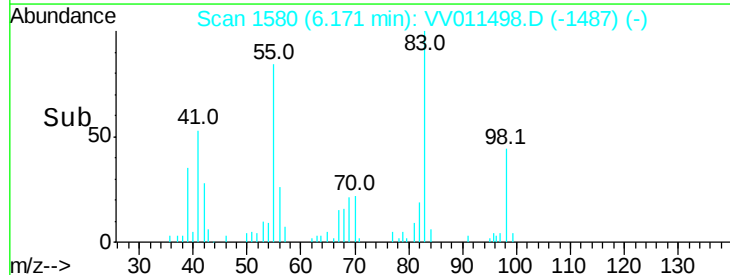
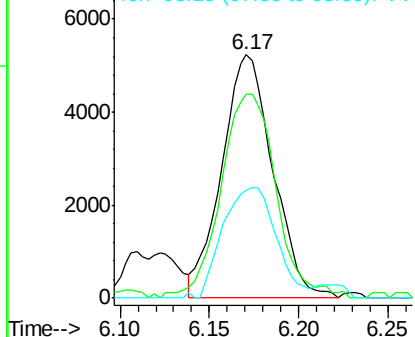


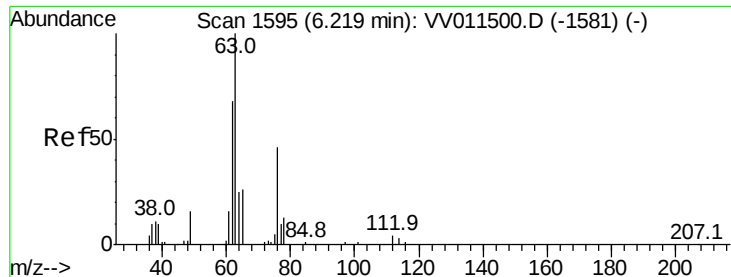
#35
 Methylcyclohexane
 Concen: 0.459 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion: 83 Resp: 10456
 Ion Ratio Lower Upper
 83 100
 55 91.1 67.9 101.9
 98 47.5 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: 0.568 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

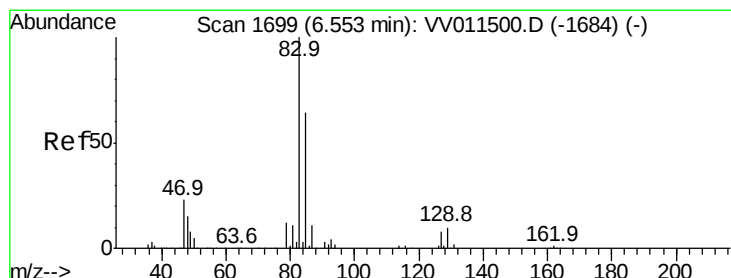
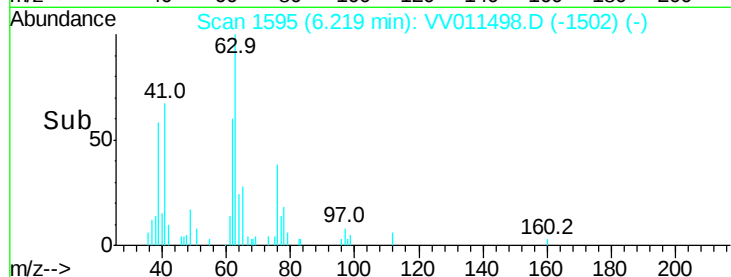
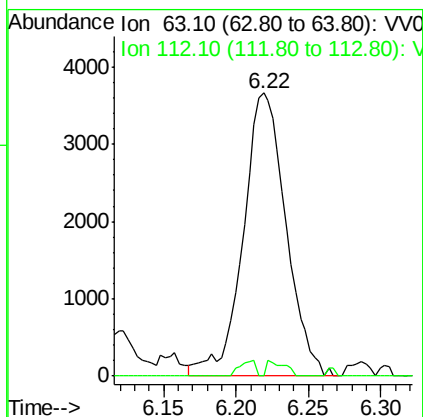
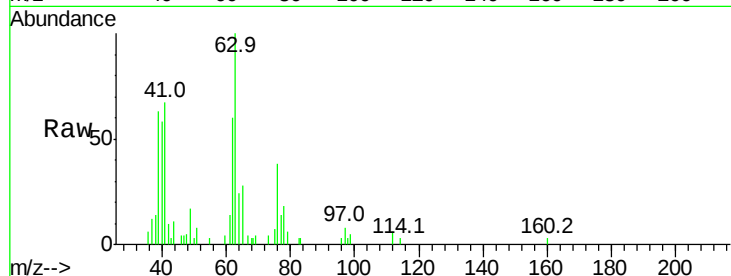
VSTD0.531

Tgt Ion: 63 Resp: 7532

Ion Ratio Lower Upper

63 100

112 2.3 3.7 5.5#



#38

Bromodichloromethane

Concen: 0.434 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

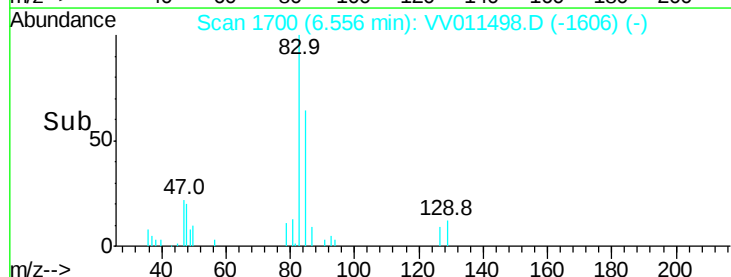
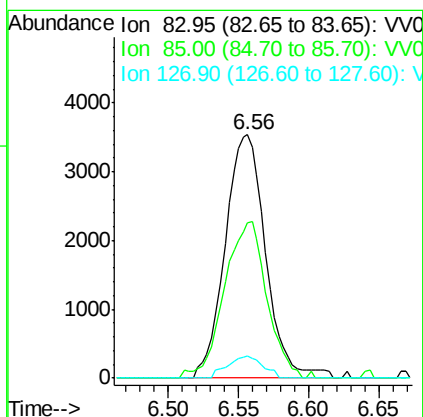
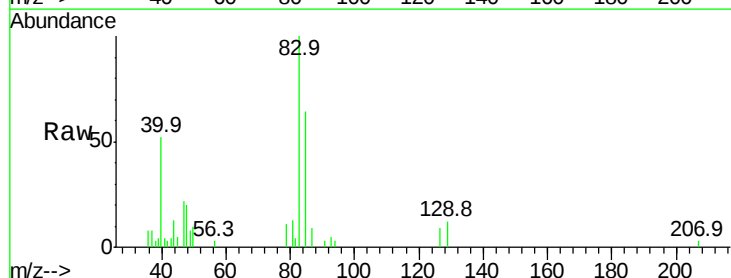
Tgt Ion: 83 Resp: 7109

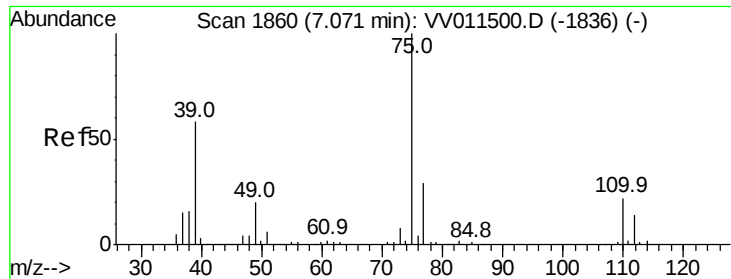
Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 9.0 6.2 9.4



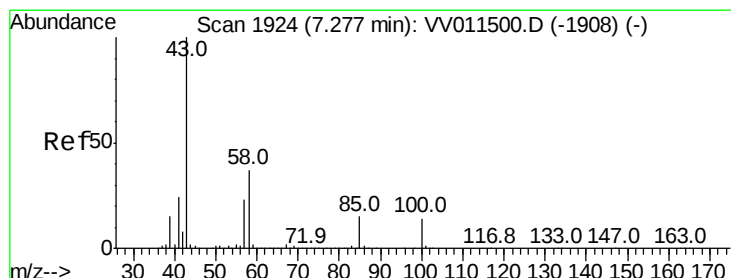
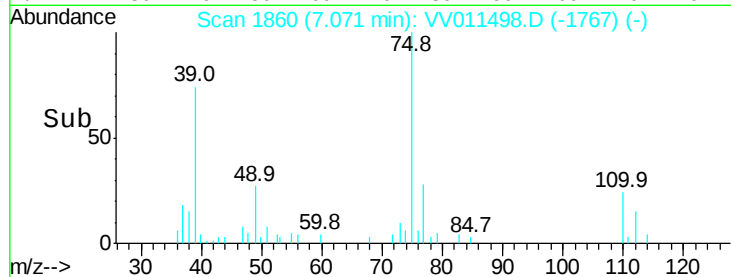
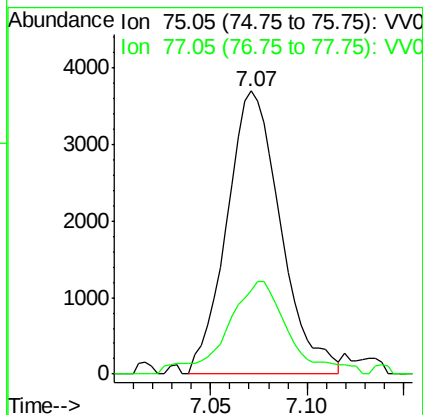
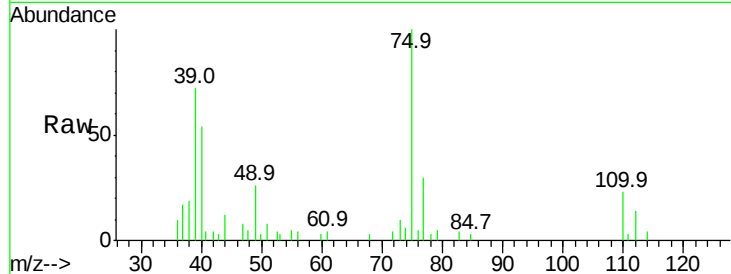


#39

cis-1,3-Dichloropropene
 Concen: 0.369 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

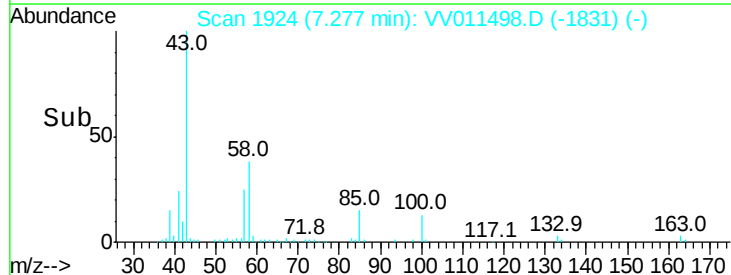
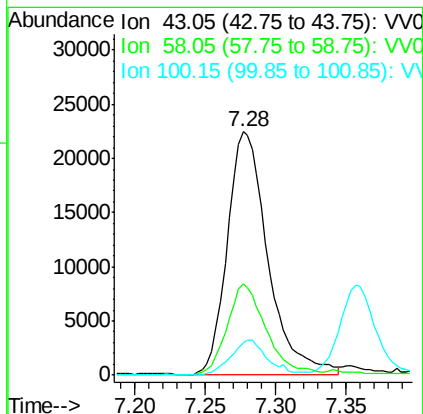
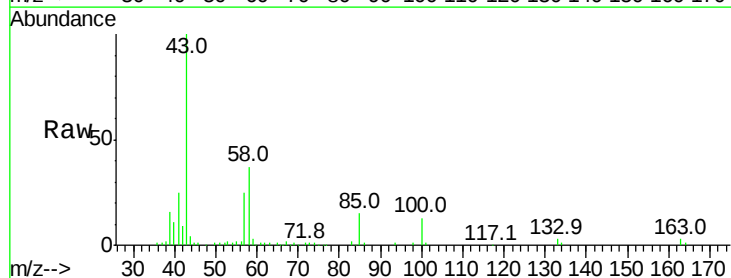
Tgt Ion: 75 Resp: 7158
 Ion Ratio Lower Upper
 75 100
 77 29.6 20.6 38.4

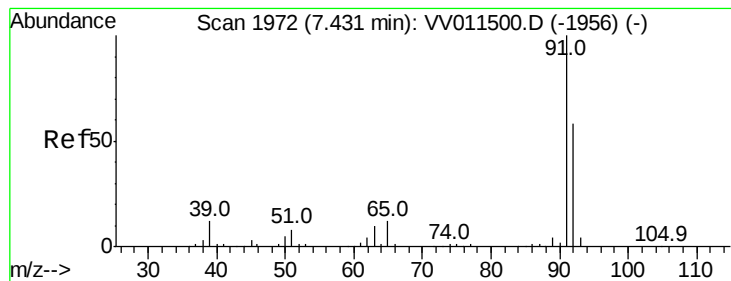


#40

4-Methyl-2-pentanone
 Concen: 5.377 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion: 43 Resp: 45402
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.7 43.1
 100 12.9 10.6 15.8





#42

Toluene

Concen: 0.474 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

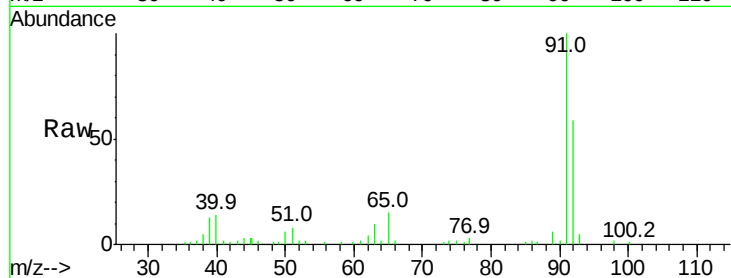
VSTD0.531

Tgt Ion: 91 Resp: 26891

Ion Ratio Lower Upper

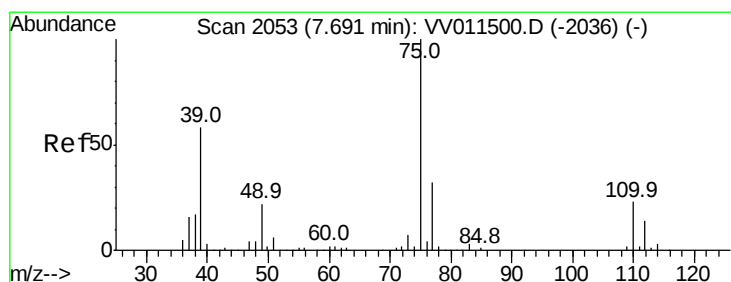
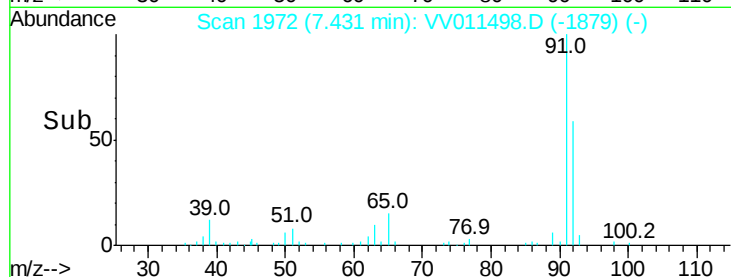
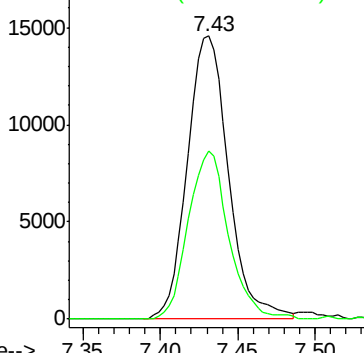
91 100

92 59.4 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.367 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011498.D

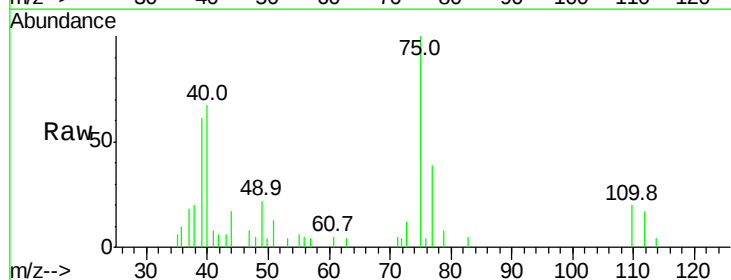
Acq: 14 Jun 2019 16:39

Tgt Ion: 75 Resp: 5414

Ion Ratio Lower Upper

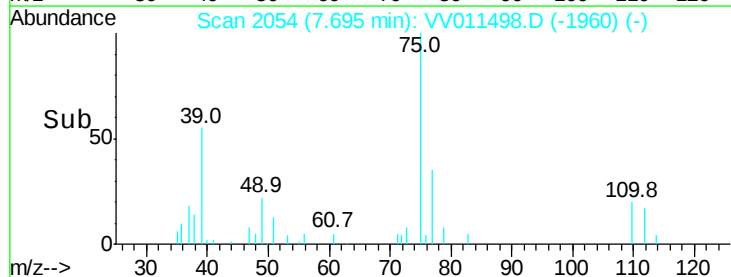
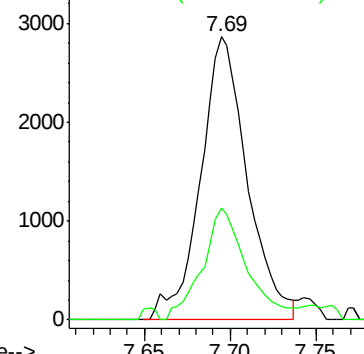
75 100

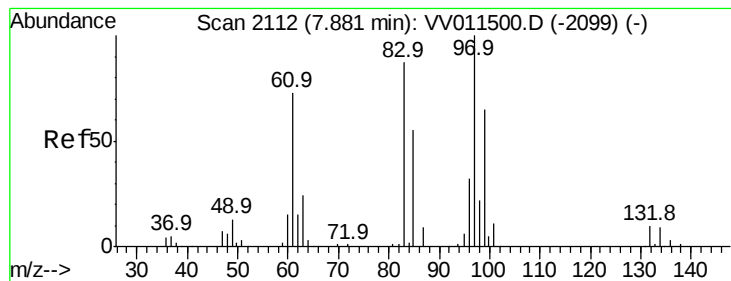
77 39.3 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.541 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tgt Ion: 97 Resp: 4588

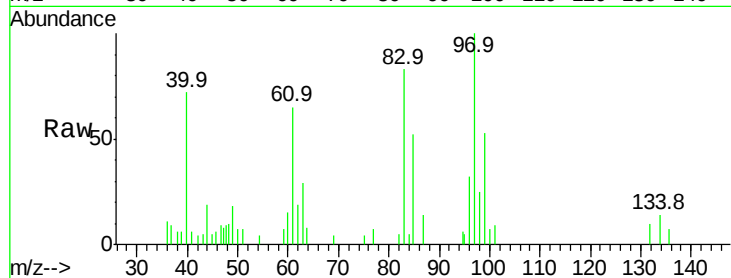
Ion Ratio Lower Upper

97 100

99 53.0 45.4 84.4

83 82.8 60.6 112.6

85 51.8 38.6 71.6

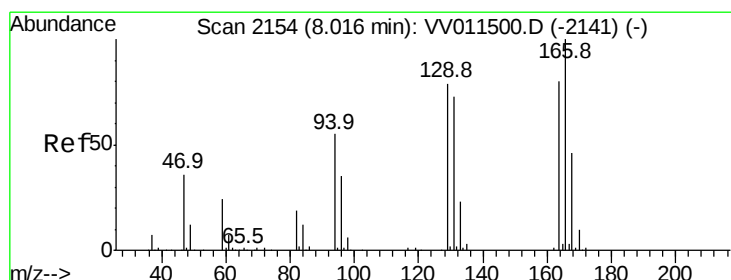
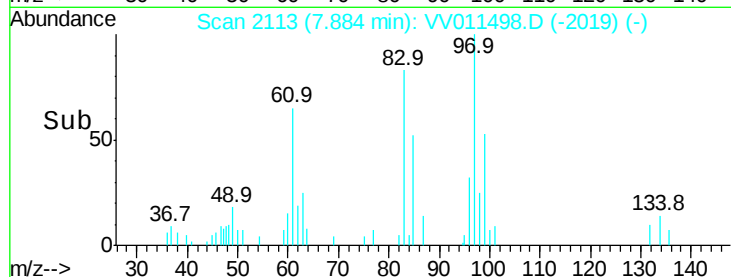
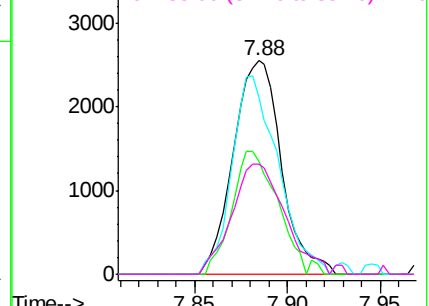


Abundance Ion 96.95 (96.65 to 97.65): VV011500.D (-2099) (-)

Ion 99.05 (98.75 to 99.75): VV011500.D (-2099) (-)

Ion 82.95 (82.65 to 83.65): VV011500.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV011500.D (-2099) (-)



#47

Tetrachloroethene

Concen: 0.518 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Tgt Ion: 164 Resp: 5154

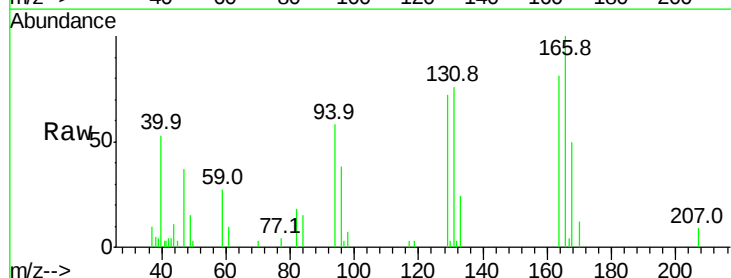
Ion Ratio Lower Upper

164 100

129 87.9 68.8 127.8

131 93.2 63.2 117.4

166 122.7 87.0 161.6

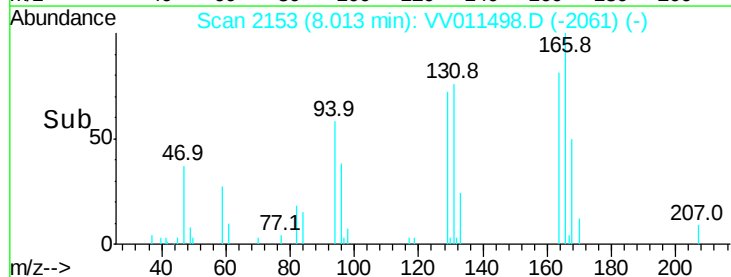
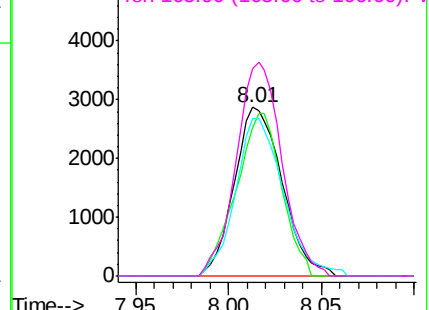


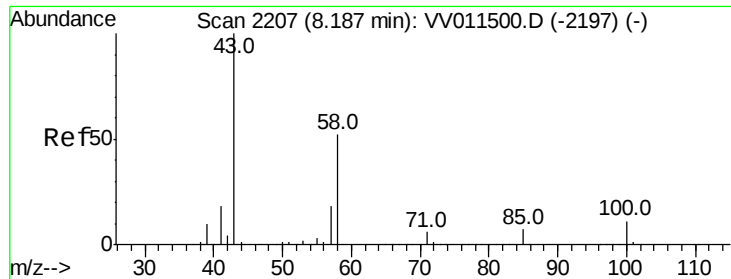
Abundance Ion 163.90 (163.60 to 164.60): VV011500.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV011500.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV011500.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV011500.D (-2141) (-)





#48

2-Hexanone

Concen: 5.092 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion: 43 Resp: 29987

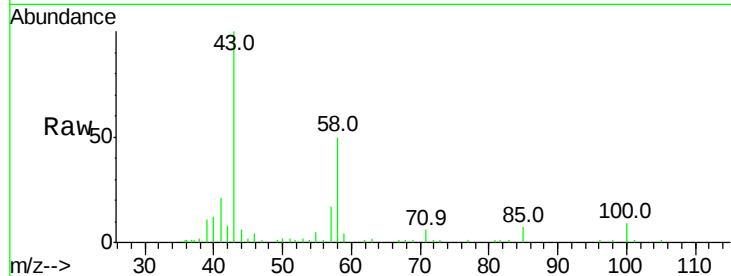
Ion Ratio Lower Upper

43 100

58 50.4 40.6 60.8

57 19.2 14.2 21.4

100 11.1 8.6 12.8

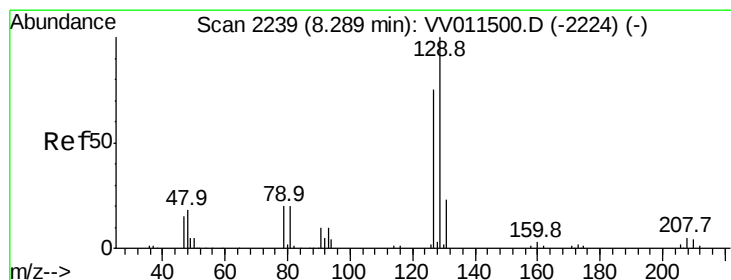
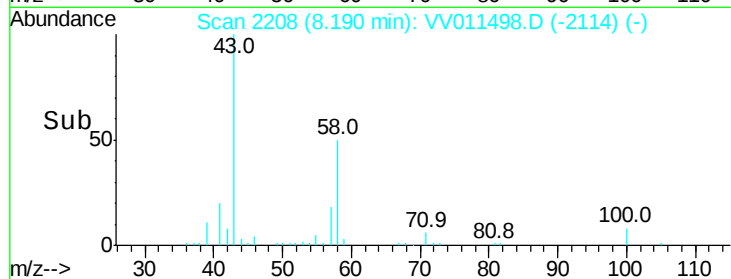
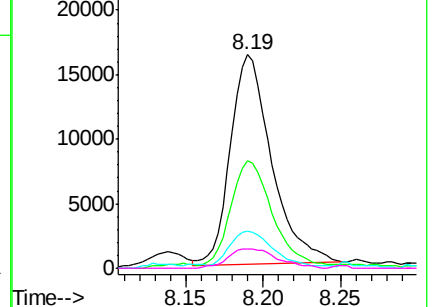


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.409 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011498.D

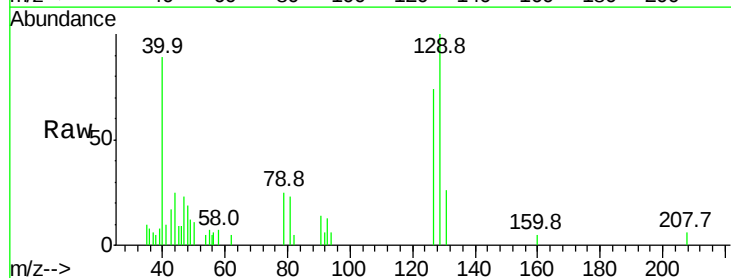
Acq: 14 Jun 2019 16:39

Tgt Ion: 129 Resp: 3940

Ion Ratio Lower Upper

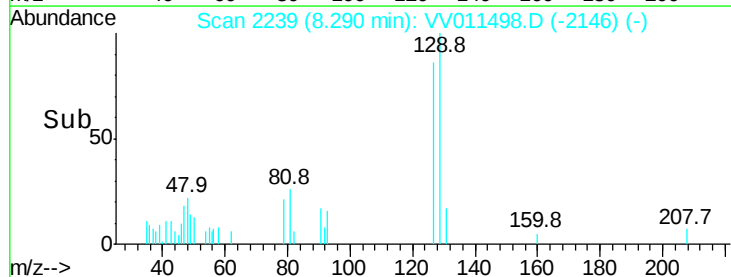
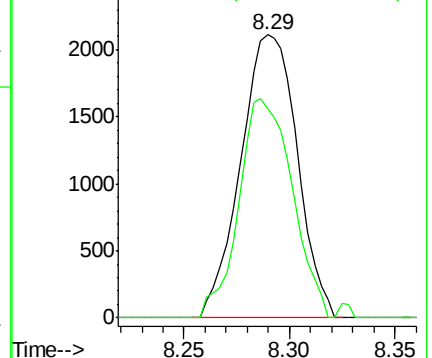
129 100

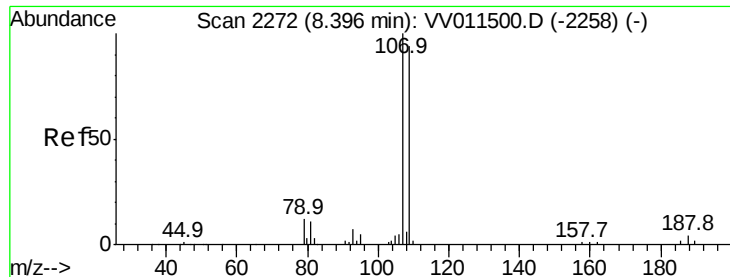
127 73.9 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

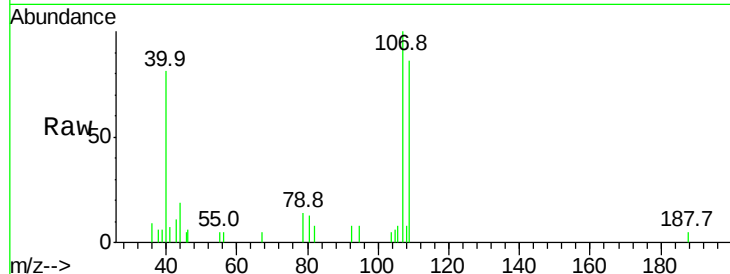




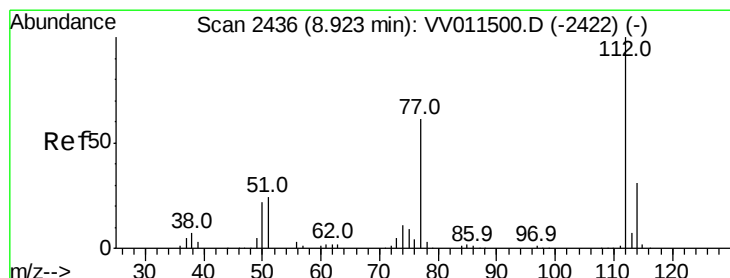
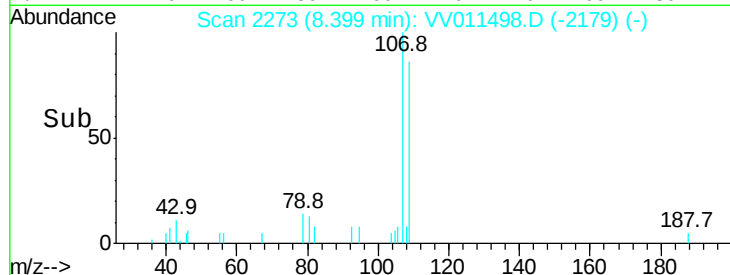
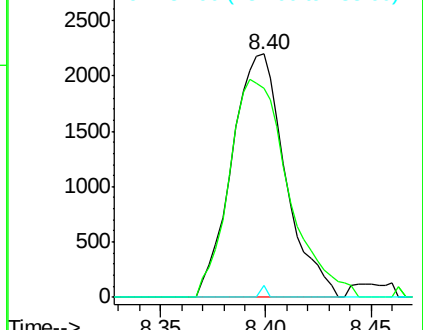
#50
1,2-Dibromoethane
Concen: 0.480 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:107 Resp: 3875
Ion Ratio Lower Upper
107 100
109 85.9 65.7 121.9
188 4.7 2.9 4.3#

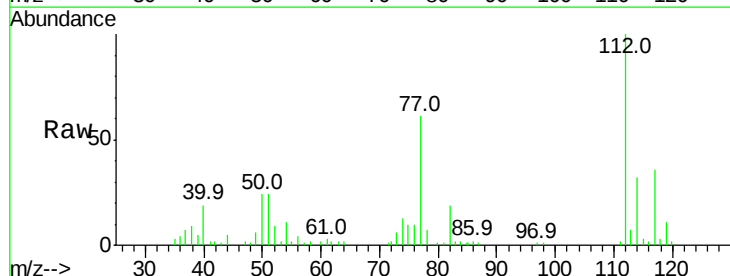


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

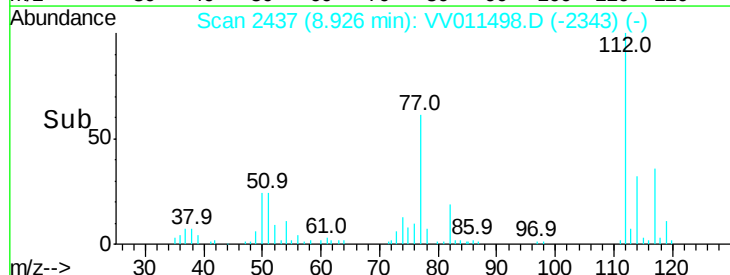
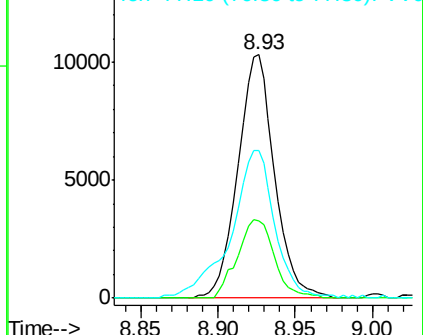


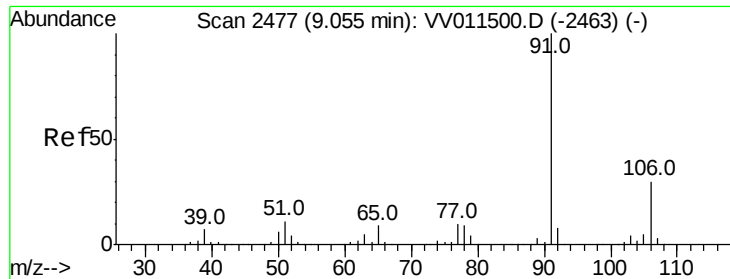
#51
Chlorobenzene
Concen: 0.490 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Tgt Ion:112 Resp: 16966
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 60.6 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.442 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

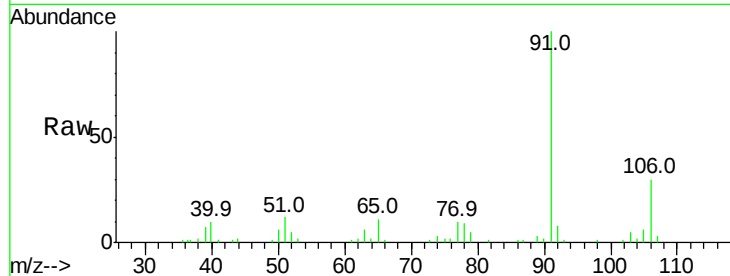
VSTD0.531

Tgt Ion: 91 Resp: 27899

Ion Ratio Lower Upper

91 100

106 29.9 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) (-)

9.05

20000

15000

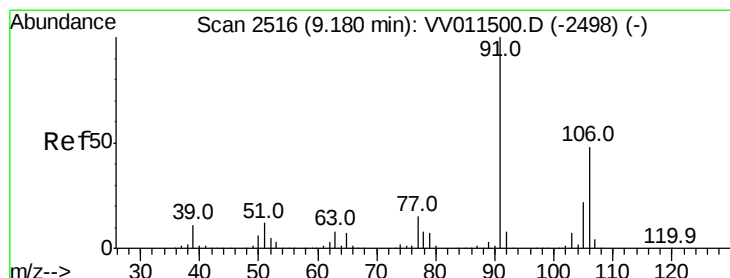
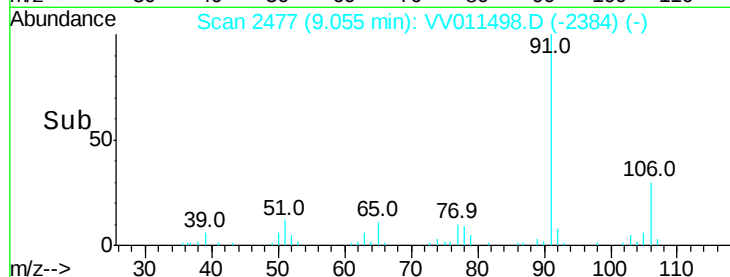
10000

5000

0

Time-->

9.00 9.05 9.10



#53

m,p-xylene

Concen: 0.420 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011498.D

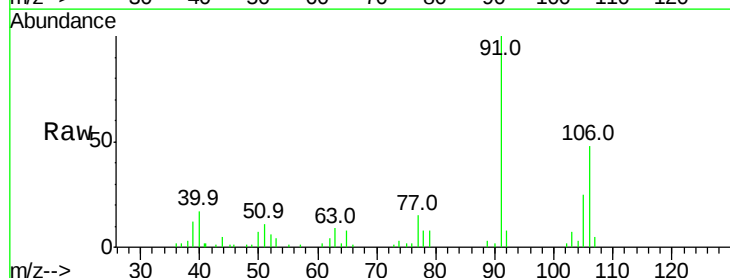
Acq: 14 Jun 2019 16:39

Tgt Ion: 106 Resp: 9799

Ion Ratio Lower Upper

106 100

91 209.4 145.5 270.3



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

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

9.18

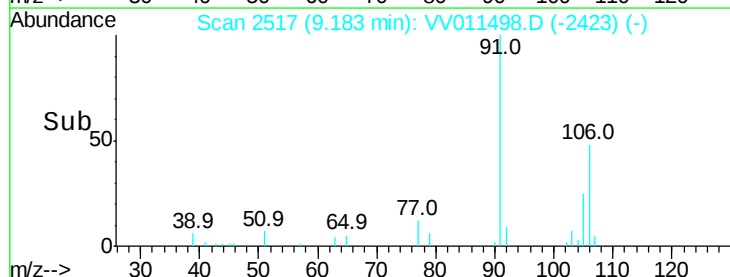
10000

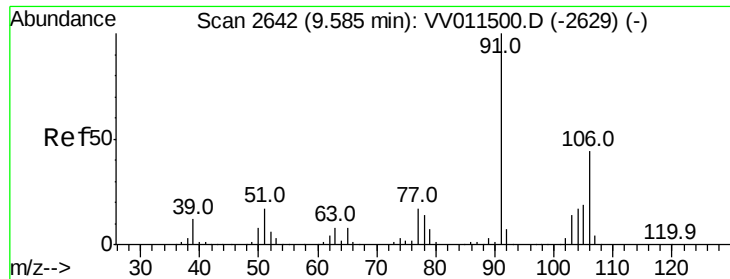
5000

0

Time-->

9.10 9.15 9.20 9.25

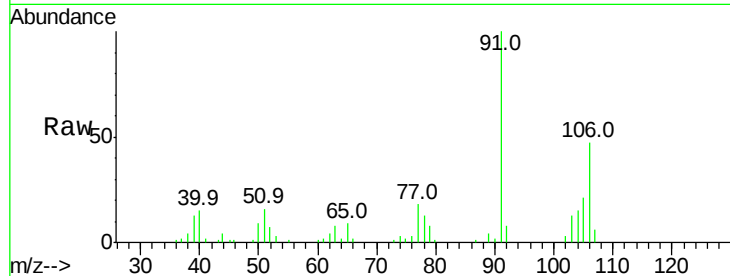




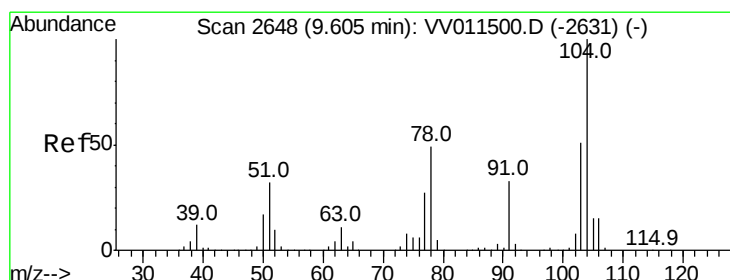
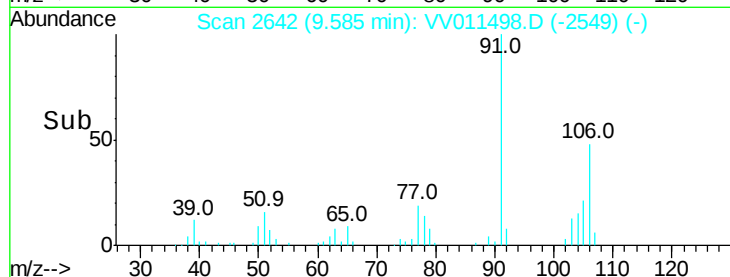
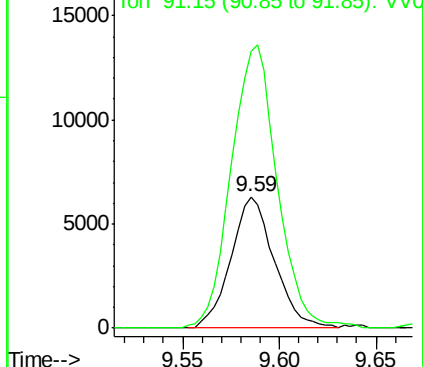
#54
o-xylene
Concen: 0.430 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:106 Resp: 9837
Ion Ratio Lower Upper
106 100
91 210.6 158.8 294.8

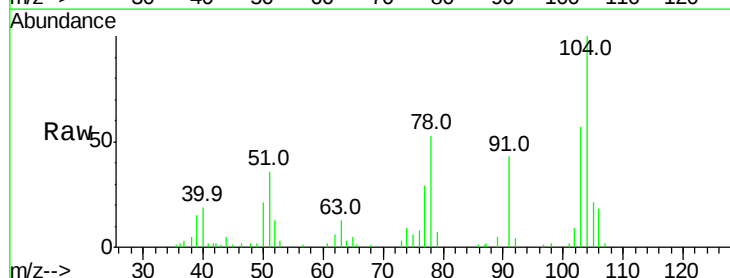


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

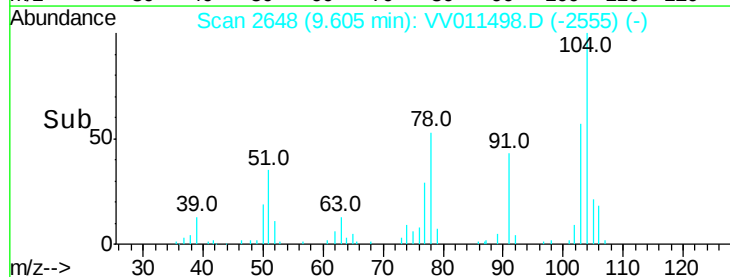
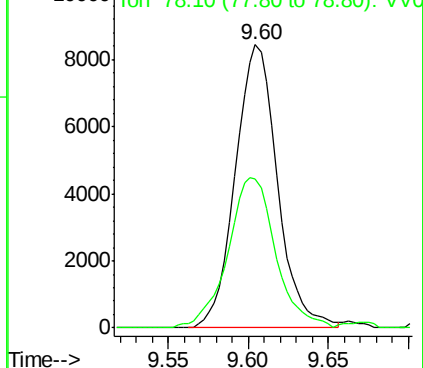


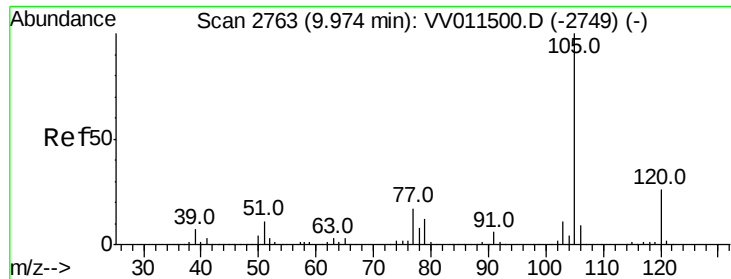
#55
Styrene
Concen: 0.407 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011498.D
Acq: 14 Jun 2019 16:39

Tgt Ion:104 Resp: 15168
Ion Ratio Lower Upper
104 100
78 52.5 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: 0.425 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

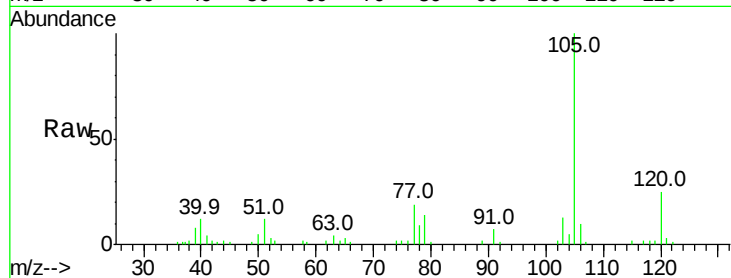
Tgt Ion: 105 Resp: 26205

Ion Ratio Lower Upper

105 100

120 25.1 20.7 31.1

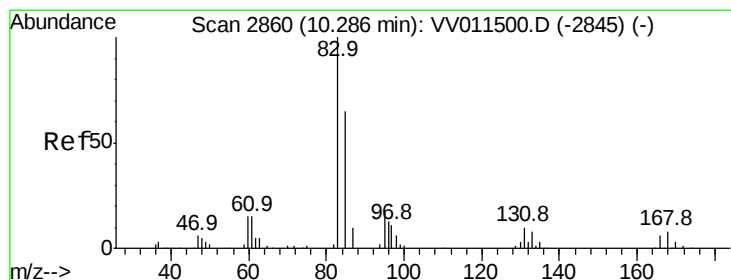
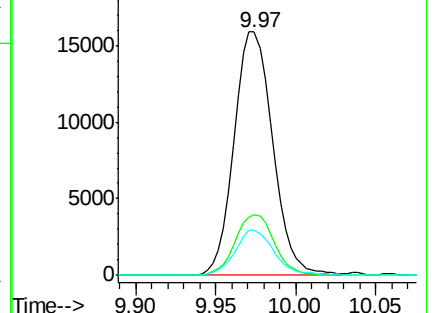
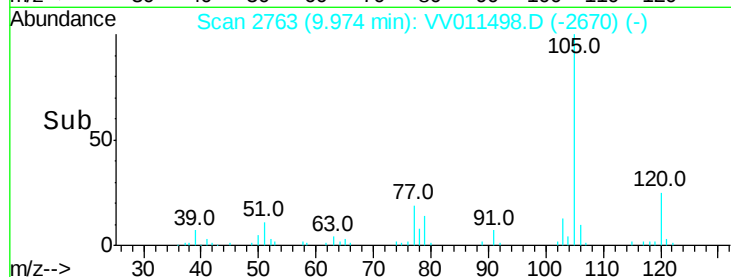
77 18.7 13.8 20.8



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: 0.519 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

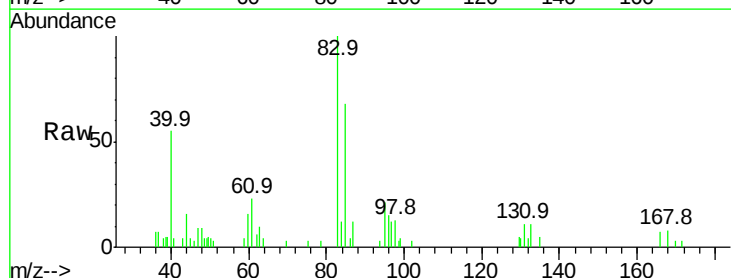
Tgt Ion: 83 Resp: 5341

Ion Ratio Lower Upper

83 100

85 68.2 45.6 84.8

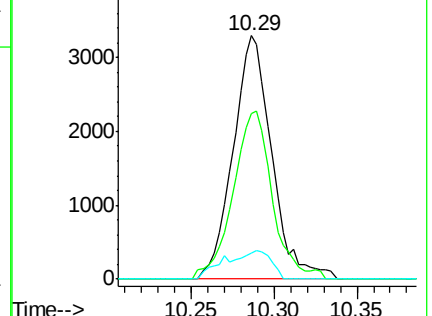
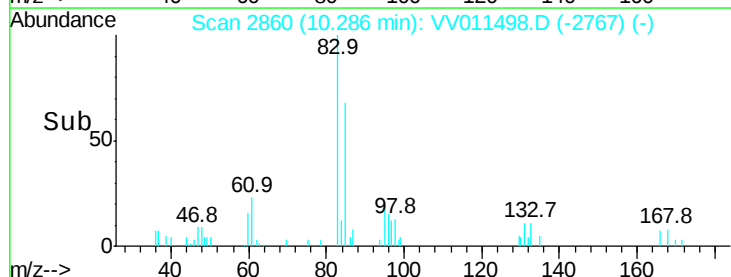
131 10.9 7.9 11.9

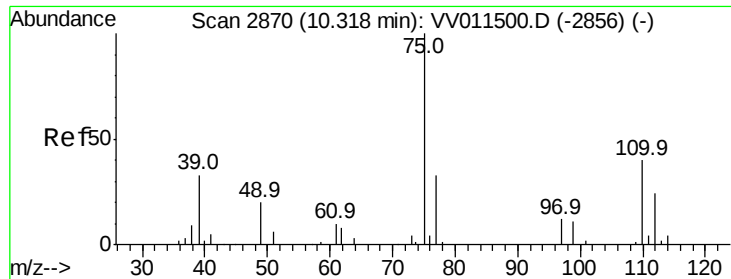


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

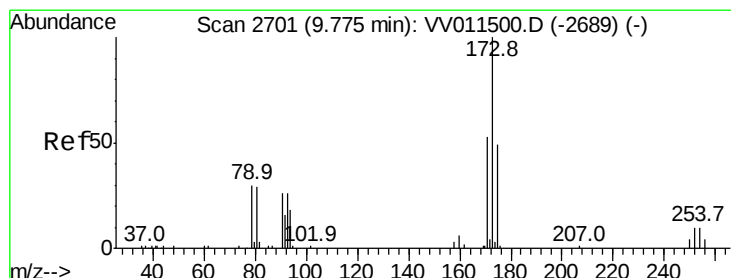
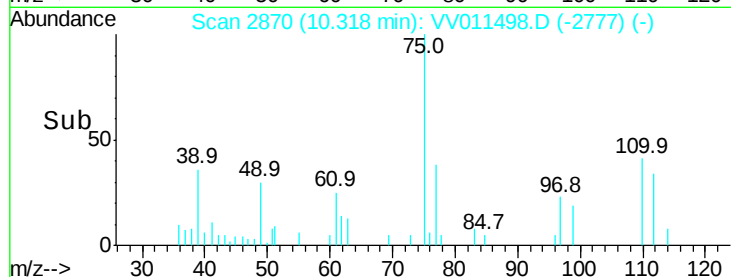
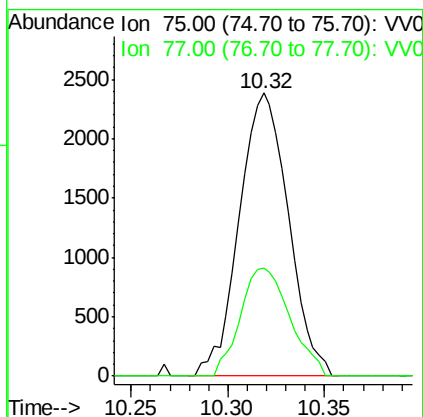
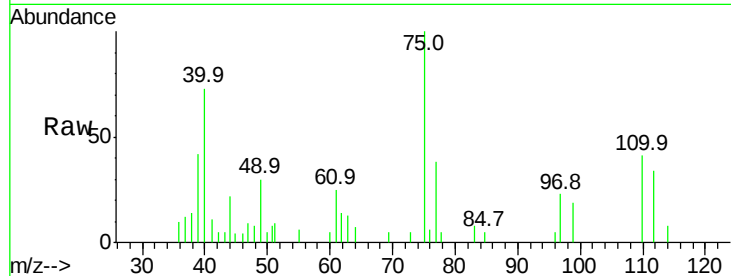




#59
 1,2,3-Trichloropropane
 Concen: 0.544 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

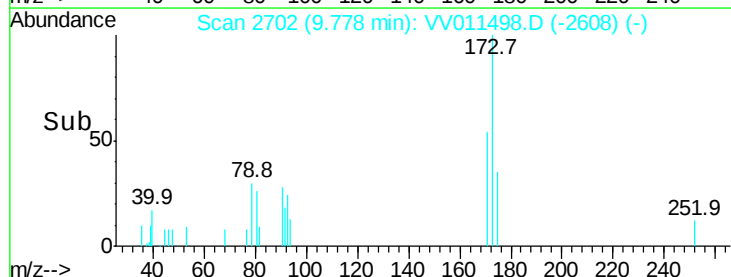
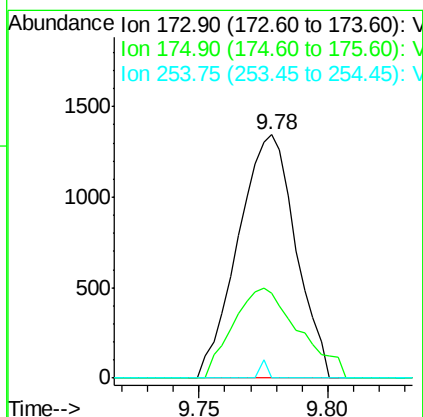
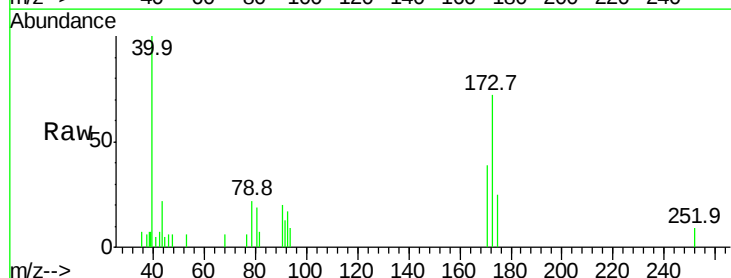
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

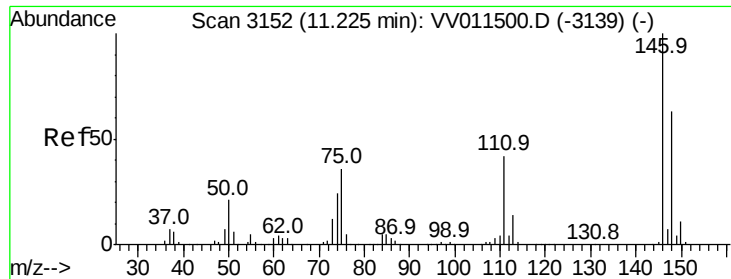
Tgt Ion: 75 Resp: 4206
 Ion Ratio Lower Upper
 75 100
 77 38.4 26.0 39.0



#61
 Bromoform
 Concen: 0.500 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion: 173 Resp: 2096
 Ion Ratio Lower Upper
 173 100
 175 42.3 38.3 57.5
 254 1.0 7.9 11.9#

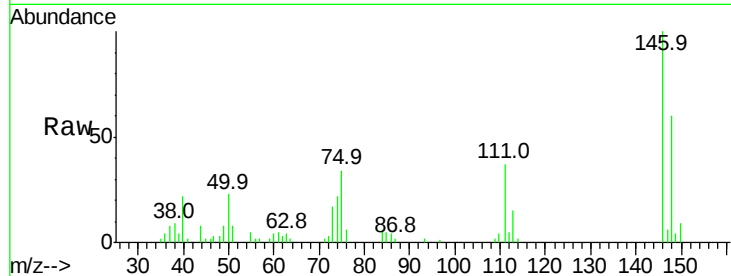




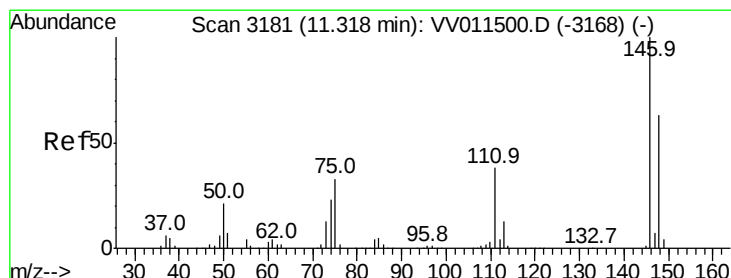
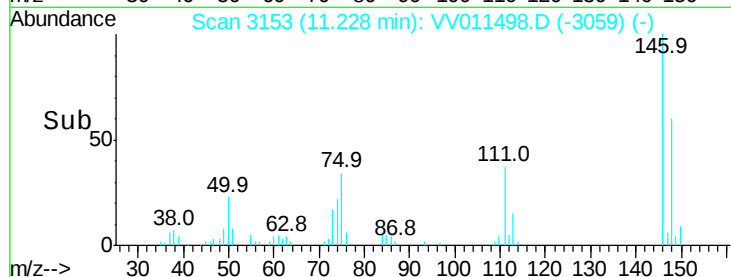
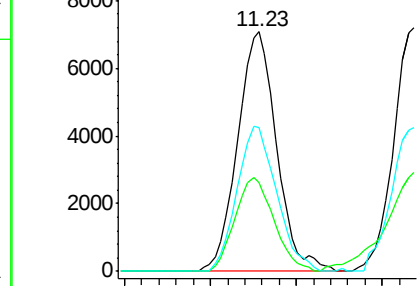
#62
 1,3-Dichlorobenzene
 Concen: 0.486 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:146 Resp: 11210
 Ion Ratio Lower Upper
 146 100
 111 37.0 29.2 54.2
 148 60.2 44.3 82.3

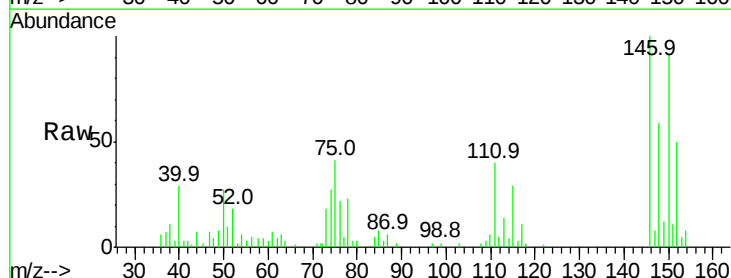


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

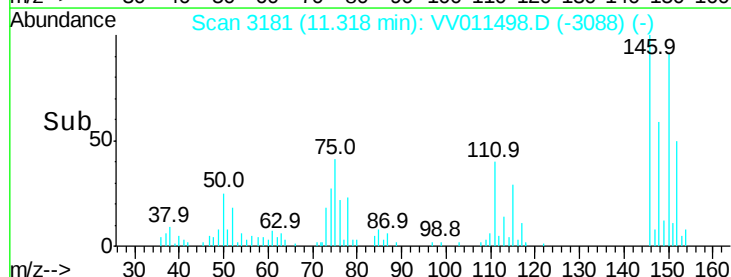
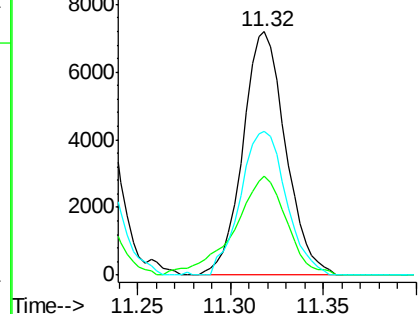


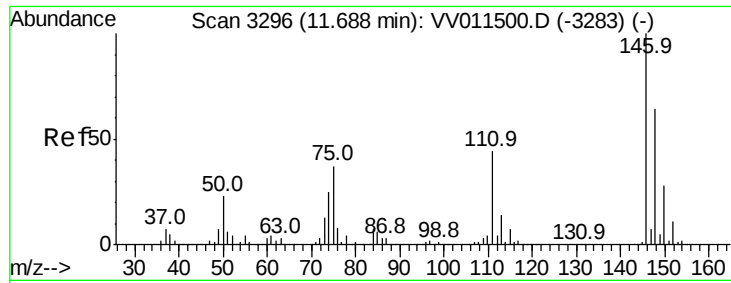
#63
 1,4-Dichlorobenzene
 Concen: 0.515 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion:146 Resp: 11518
 Ion Ratio Lower Upper
 146 100
 111 40.5 26.7 49.7
 148 59.2 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

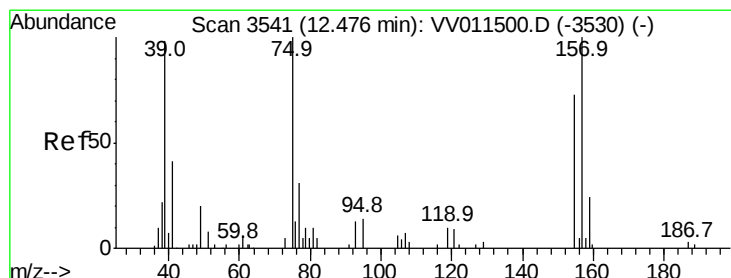
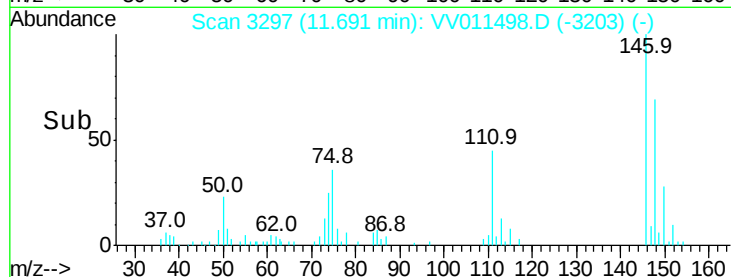
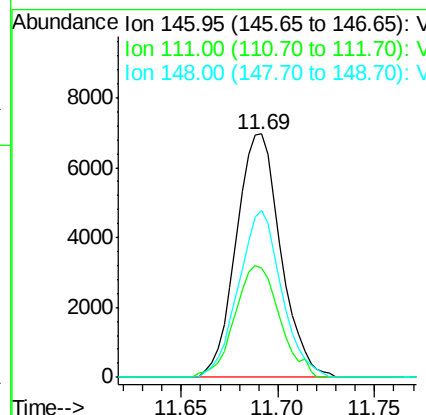
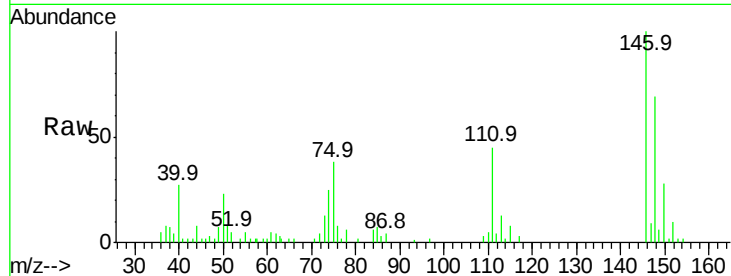




#65
 1,2-Dichlorobenzene
 Concen: 0.523 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

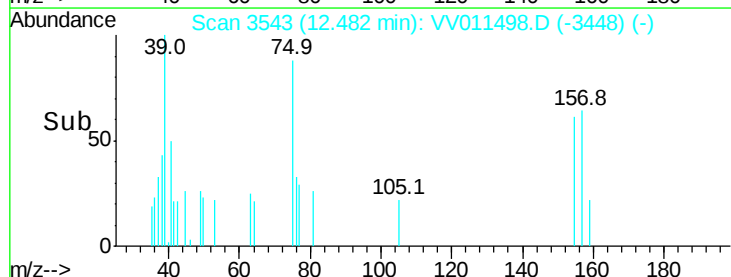
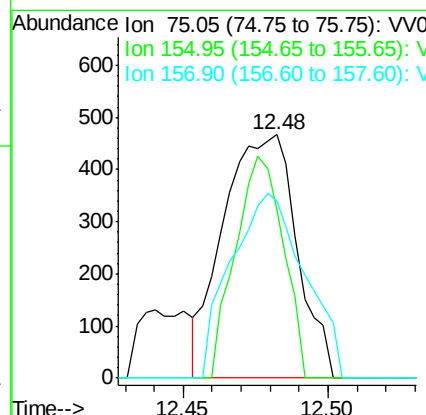
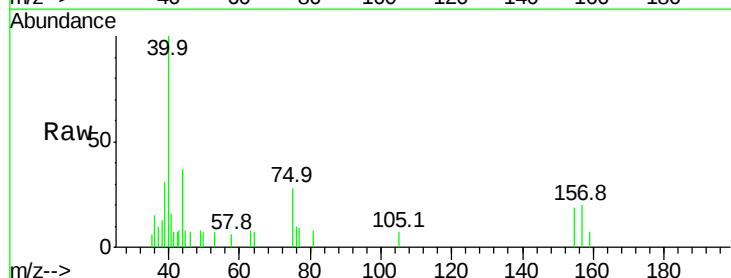
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

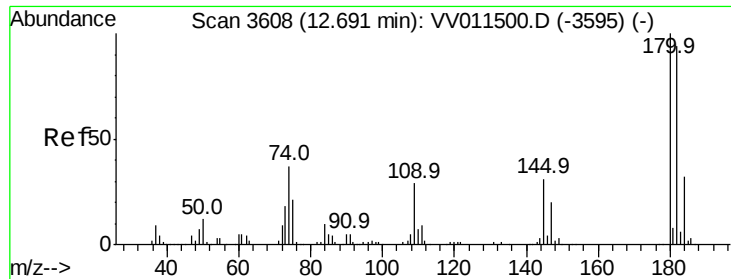
Tgt Ion: 146 Resp: 11158
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.3 52.9
 148 68.5 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.536 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion: 75 Resp: 819
 Ion Ratio Lower Upper
 75 100
 155 69.0 58.5 87.7
 157 72.6 79.8 119.6#

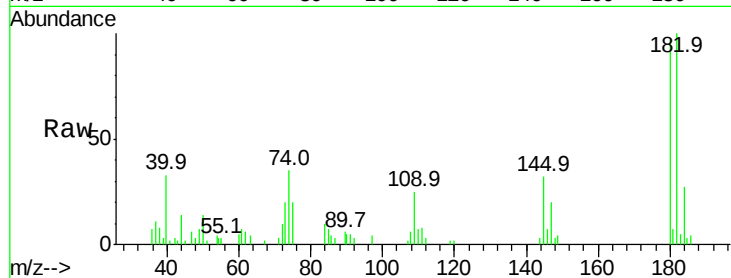




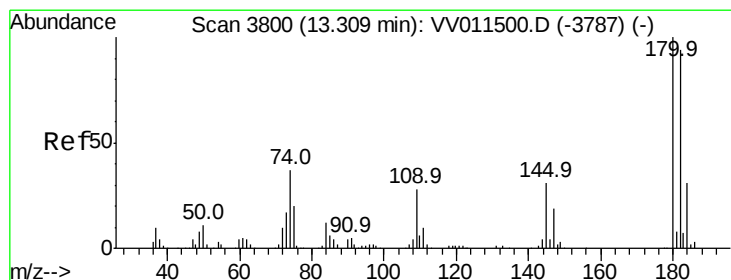
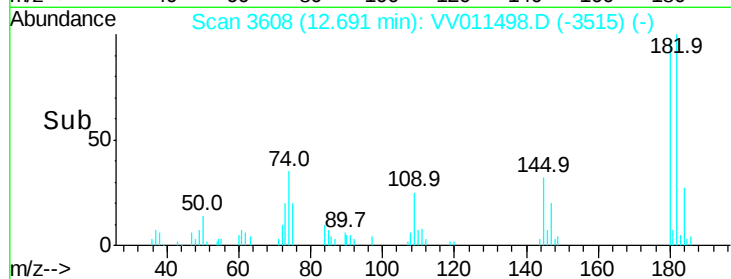
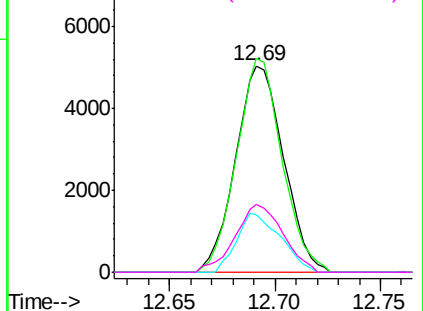
#67
 1,3,5-Trichlorobenzene
 Concen: 0.481 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:180 Resp: 7972
 Ion Ratio Lower Upper
 180 100
 182 97.9 75.4 113.0
 184 26.0 24.0 36.0
 145 32.4 24.4 36.6

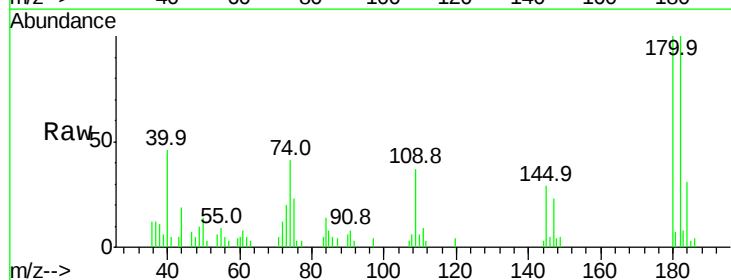


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

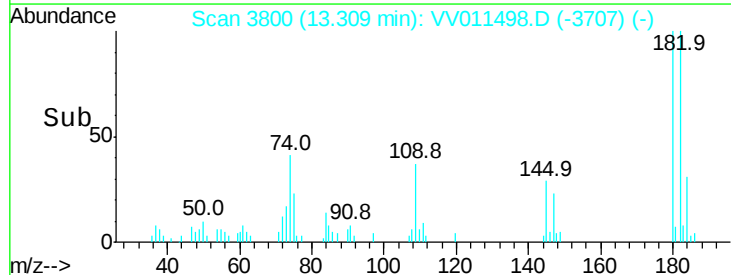
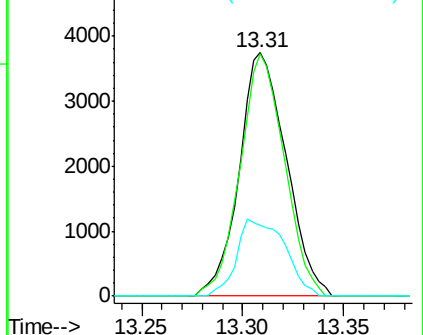


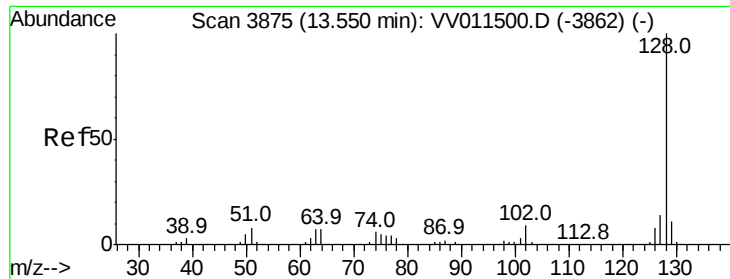
#68
 1,2,4-trichlorobenzene
 Concen: 0.486 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011498.D
 Acq: 14 Jun 2019 16:39

Tgt Ion:180 Resp: 6121
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.2 114.4
 145 32.2 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: 0.530 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

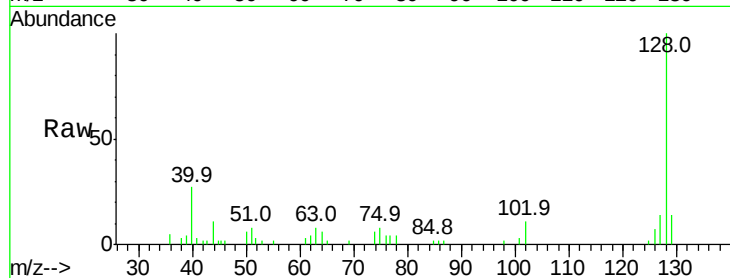
Tgt Ion:128 Resp: 10932

Ion Ratio Lower Upper

128 100

129 12.6 8.7 13.1

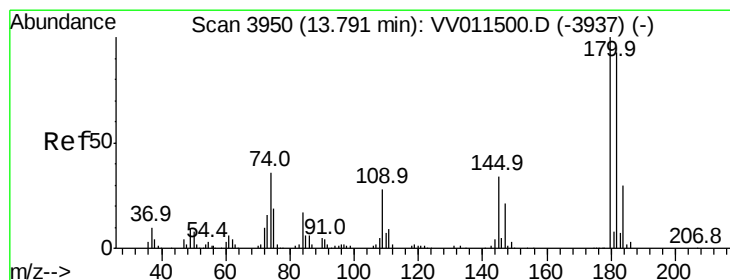
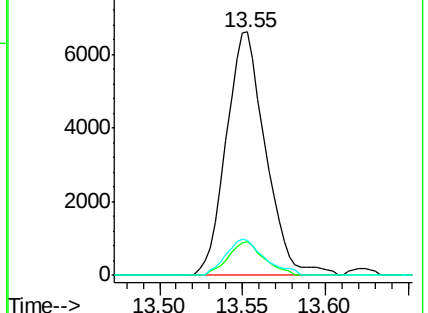
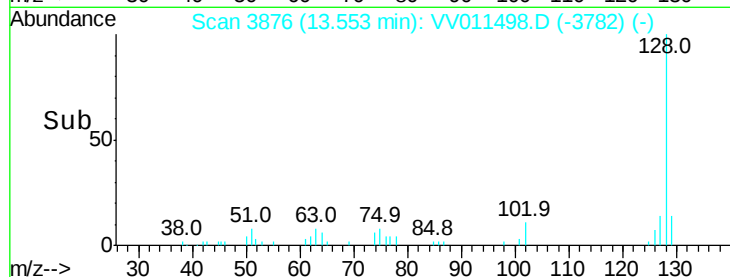
127 14.5 10.9 16.3



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: 0.534 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011498.D

Acq: 14 Jun 2019 16:39

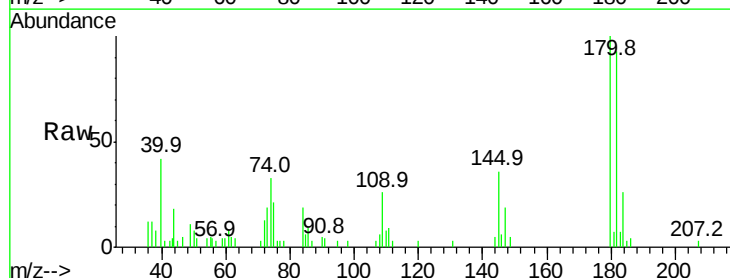
Tgt Ion:180 Resp: 6026

Ion Ratio Lower Upper

180 100

182 92.0 76.6 115.0

145 35.0 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

