

Data File : VV011500.D
Acq On : 14 Jun 2019 17:36
Operator : SY/MD
Sample : VSTD00551
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Quant Time: Jun 14 18:24:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 11:52:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	186573	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172957	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	77935	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67995	4.81	ug/L	0.00
7) Chloroethane-d5	1.58	69	41679	3.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	128790	4.56	ug/L	0.00
20) 2-Butanone-d5	3.96	46	195539	61.44	ug/L	-0.02
24) Chloroform-d	4.40	84	131529	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	73708	5.48	ug/L	0.00
32) Benzene-d6	5.09	84	250567	4.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	79397	4.98	ug/L	0.00
41) Toluene-d8	7.36	98	223442	4.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	26141	4.30	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	157955	61.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	58719	5.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	74067	4.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	82818	4.501 ug/L	99
3) Chloromethane	1.25	50	85798	4.823 ug/L	99
5) Vinyl chloride	1.32	62	87741	5.112 ug/L	93
6) Bromomethane	1.53	94	34610	3.875 ug/L	98
8) Chloroethane	1.59	64	38545	3.514 ug/L	94
9) Trichlorofluoromethane	1.76	101	99073	4.204 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	55562	4.594 ug/L	96
12) 1,1-Dichloroethene	2.13	96	56502	4.807 ug/L	94
13) Acetone	2.21	43	126931	59.480 ug/L	98
14) Carbon disulfide	2.31	76	153024	4.291 ug/L	100
15) Methyl Acetate	2.47	43	34527	6.092 ug/L	95
16) Methylene chloride	2.53	84	63238	5.221 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	173726	5.536 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	65884	5.006 ug/L	95
19) 1,1-Dichloroethane	3.22	63	134768	5.191 ug/L	98
21) 2-Butanone	4.04	43	211268	64.286 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	72119	4.948 ug/L	98
23) Bromochloromethane	4.30	128	28195	5.046 ug/L	93
25) Chloroform	4.42	83	135985	5.072 ug/L	99
27) 1,2-Dichloroethane	5.18	62	94351	5.759 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	109220	4.951 ug/L	98
30) Cyclohexane	4.72	56	107425	4.392 ug/L	100
31) Carbon tetrachloride	4.87	117	88986	4.826 ug/L	99
33) Benzene	5.14	78	285670	5.191 ug/L	100
34) Trichloroethene	5.96	95	72351	5.089 ug/L	98
35) Methylcyclohexane	6.17	83	102158	4.345 ug/L	99
37) 1,2-Dichloropropane	6.22	63	72607	5.301 ug/L	100
38) Bromodichloromethane	6.55	83	85898	5.072 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	96040	4.792 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	540259	61.936 ug/L	99

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Response via : Initial Calibration

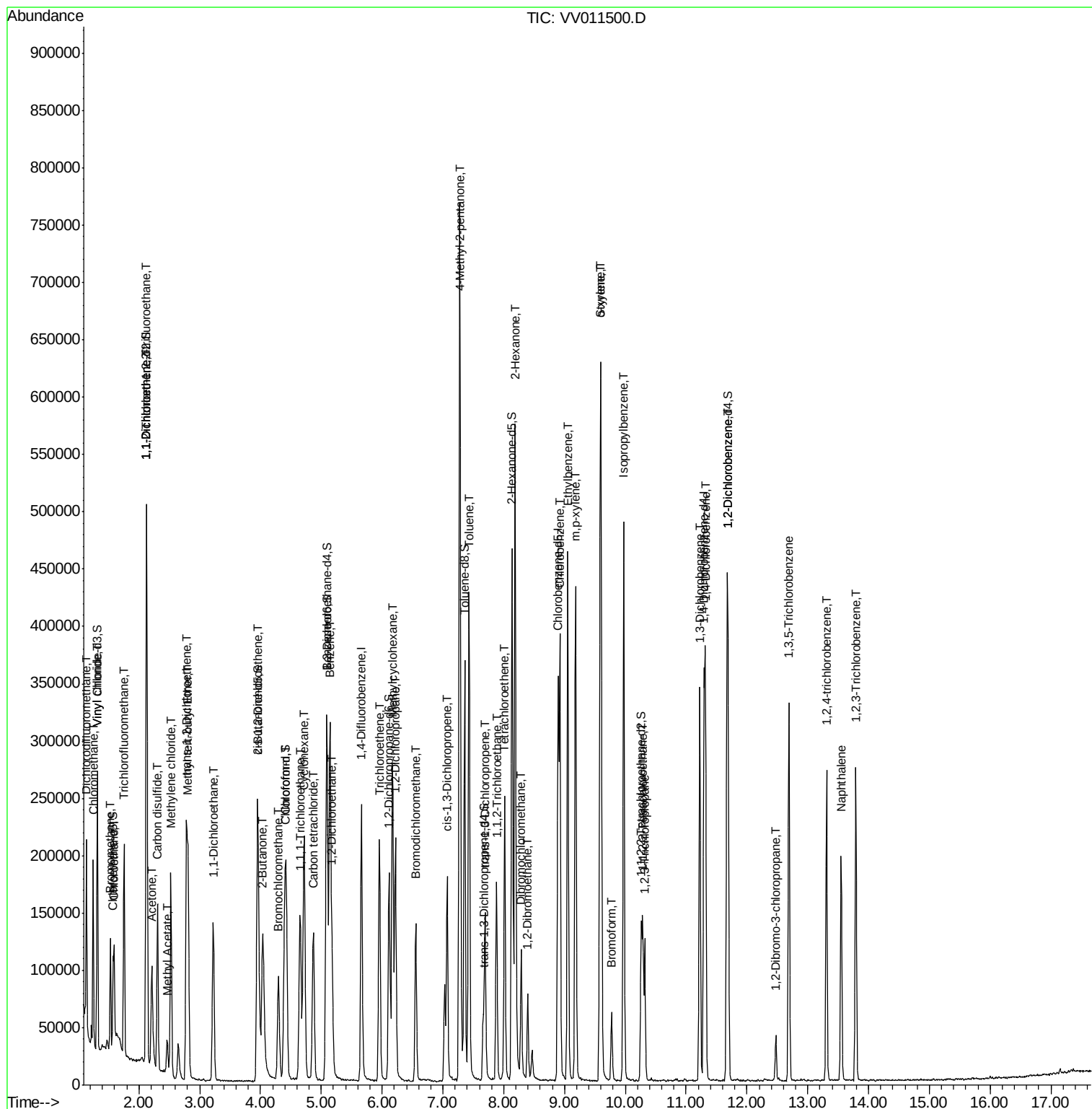
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	297028	5.064	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	72775	4.776	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	49442	5.639	ug/L	97
47) Tetrachloroethene	8.02	164	50183	4.884	ug/L	96
48) 2-Hexanone	8.19	43	383995	63.121	ug/L	98
49) Dibromochloromethane	8.29	129	51349	5.156	ug/L	98
50) 1,2-Dibromoethane	8.40	107	45827	5.498	ug/L	98
51) Chlorobenzene	8.92	112	178485	4.990	ug/L	99
52) Ethylbenzene	9.05	91	309153	4.746	ug/L	99
53) m,p-xylene	9.18	106	115215	4.783	ug/L	100
54) o-xylene	9.59	106	115340	4.879	ug/L	97
55) Styrene	9.60	104	192127	4.990	ug/L	97
56) Isopropylbenzene	9.97	105	289865	4.555	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	60607	5.701	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	46163	5.778	ug/L	98
61) Bromoform	9.77	173	23796	5.083	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	123958	4.810	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	126792	5.068	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	125060	5.250	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8773	5.140	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	90671	4.891	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	72919	5.180	ug/L	97
69) Naphthalene	13.55	128	141066	6.123	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	70844	5.613	ug/L	98

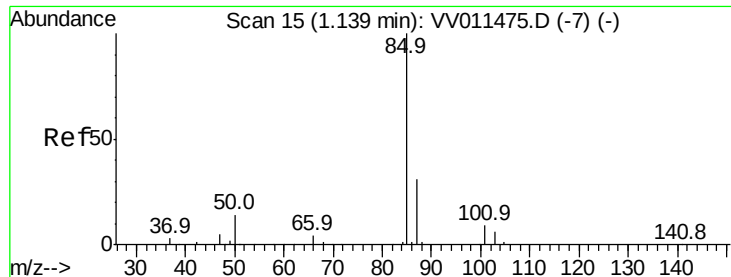
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.501 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

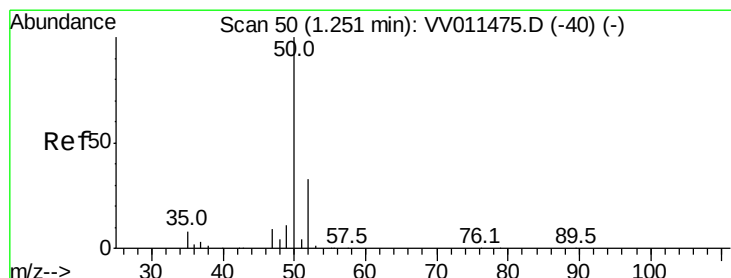
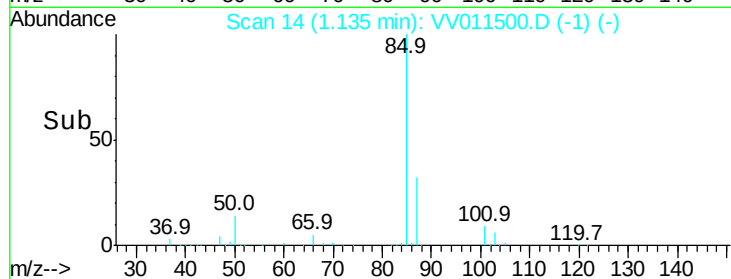
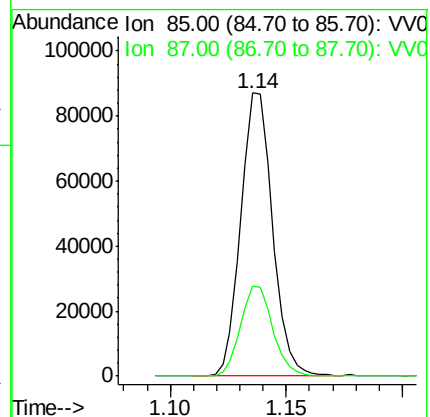
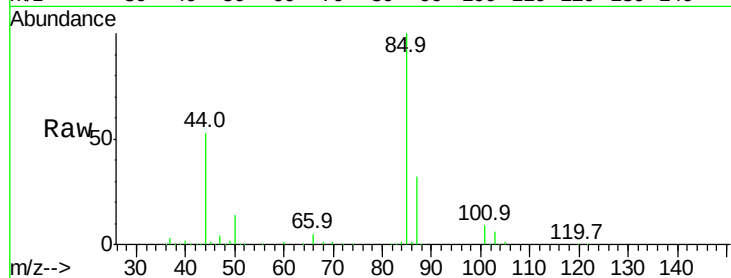
VSTD00533

Tgt Ion: 85 Resp: 82818

Ion Ratio Lower Upper

85 100

87 32.4 26.5 39.7



#3

Chloromethane

Concen: 4.823 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011500.D

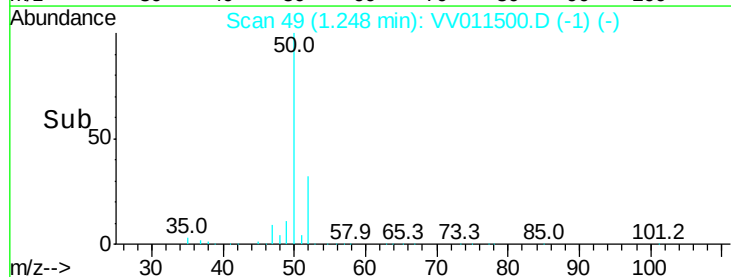
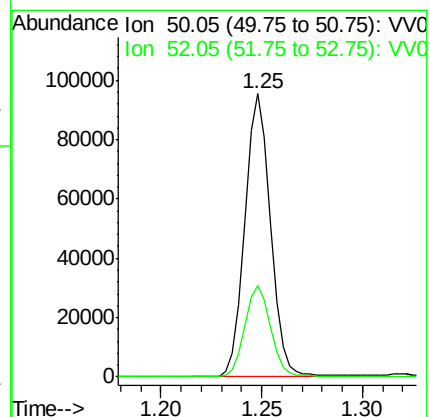
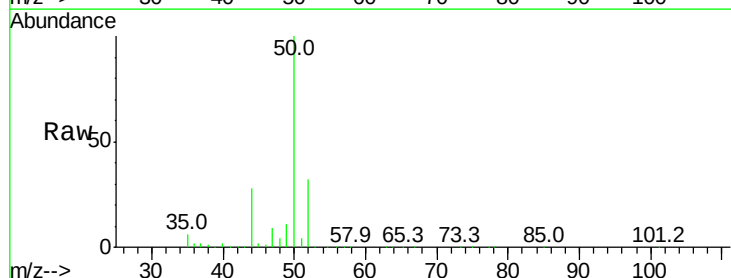
Acq: 14 Jun 2019 17:36

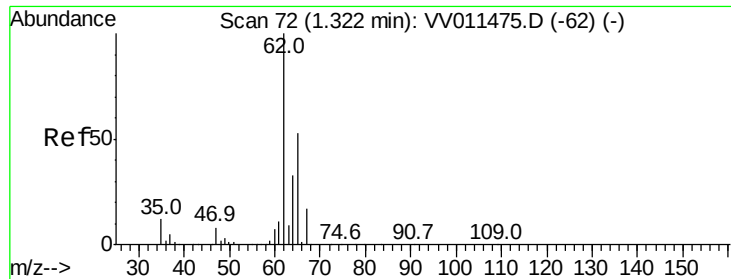
Tgt Ion: 50 Resp: 85798

Ion Ratio Lower Upper

50 100

52 32.4 22.3 41.5





#5

Vinyl chloride

Concen: 5.112 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

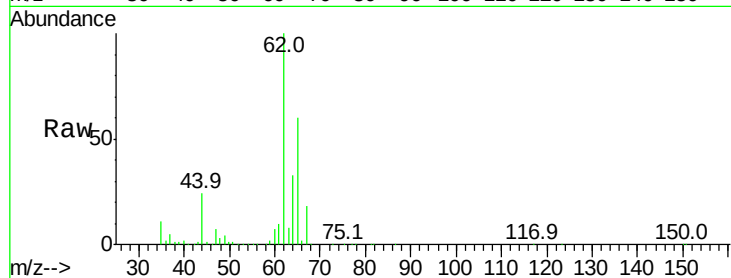
VSTD00533

Tgt Ion: 62 Resp: 87741

Ion Ratio Lower Upper

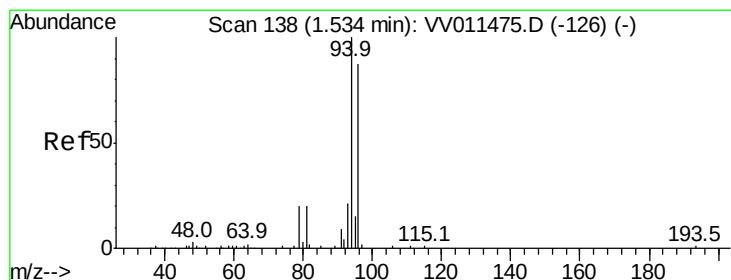
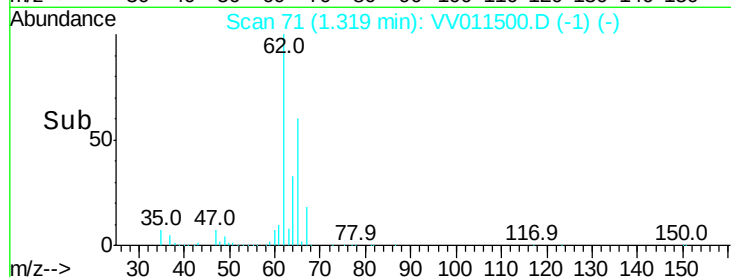
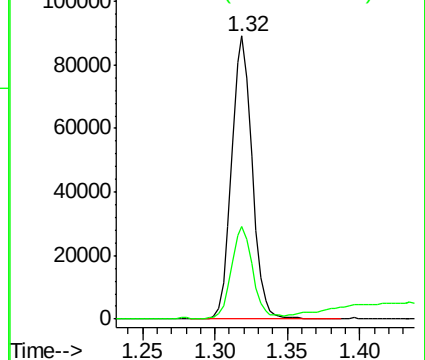
62 100

64 32.8 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.875 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011500.D

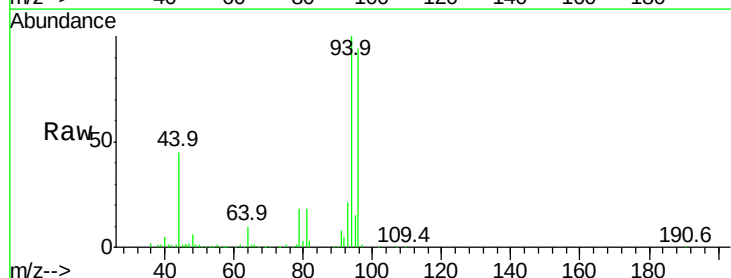
Acq: 14 Jun 2019 17:36

Tgt Ion: 94 Resp: 34610

Ion Ratio Lower Upper

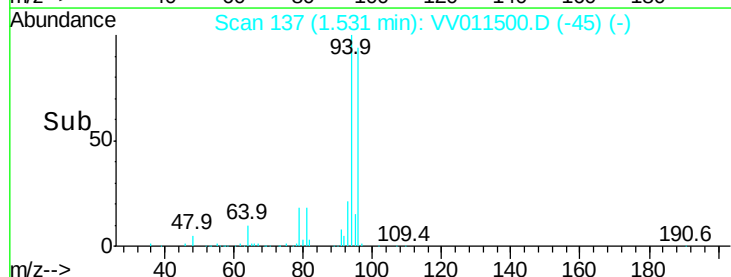
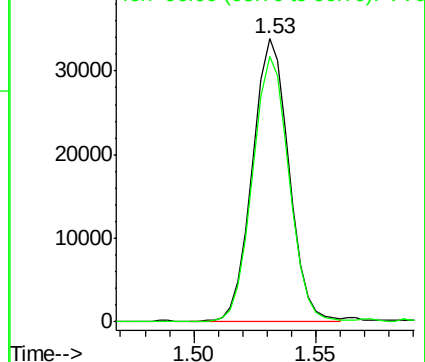
94 100

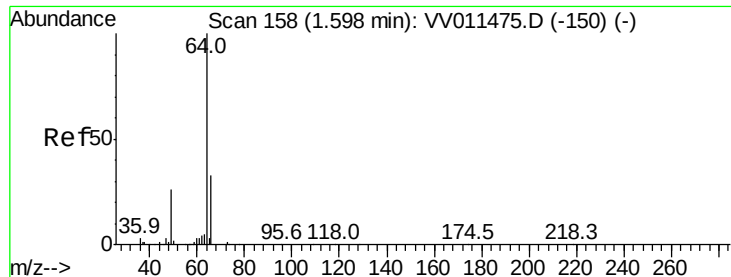
96 93.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.514 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

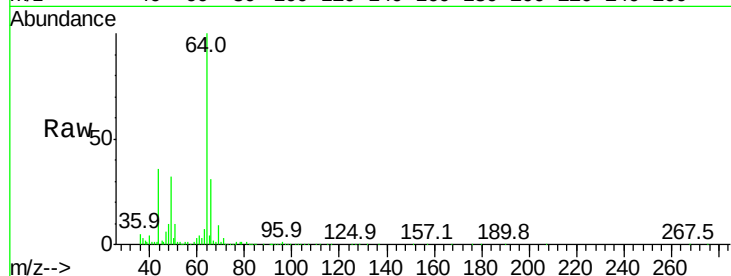
VSTD00533

Tgt Ion: 64 Resp: 38545

Ion Ratio Lower Upper

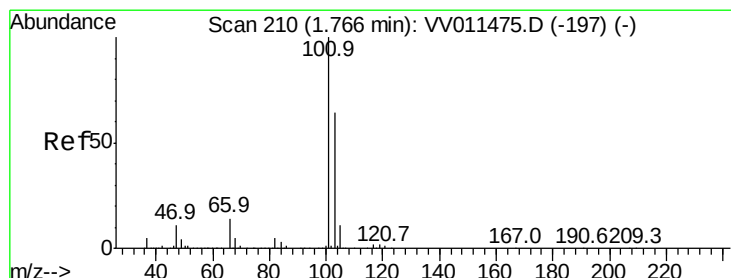
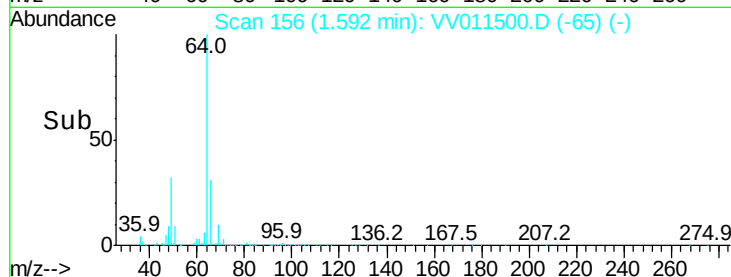
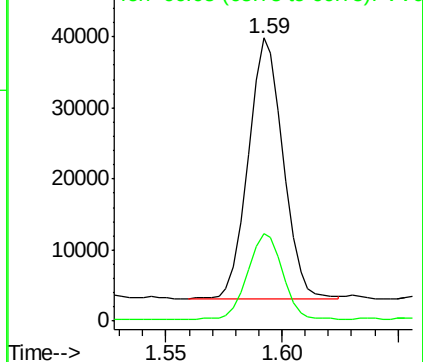
64 100

66 30.9 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011475.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV011500.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 4.204 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV011500.D

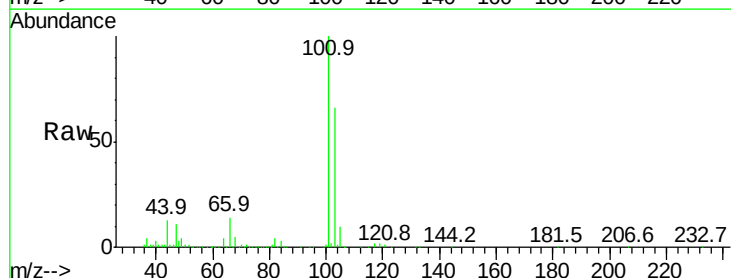
Acq: 14 Jun 2019 17:36

Tgt Ion: 101 Resp: 99073

Ion Ratio Lower Upper

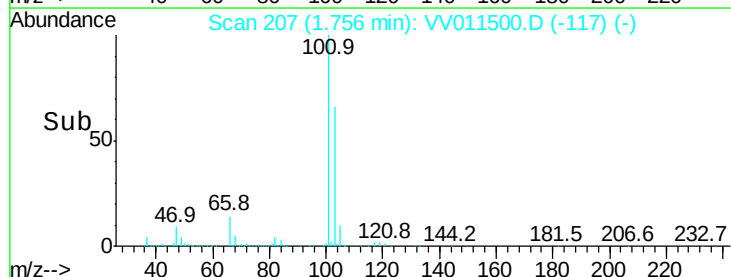
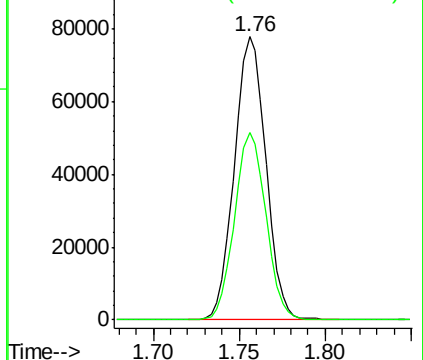
101 100

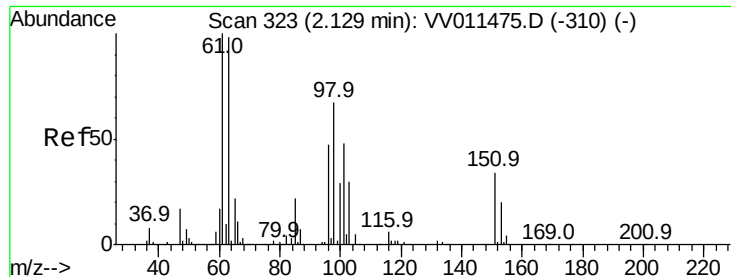
103 65.6 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV011475.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV011500.D (-117) (-)





#10

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

Concen: 4.594 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

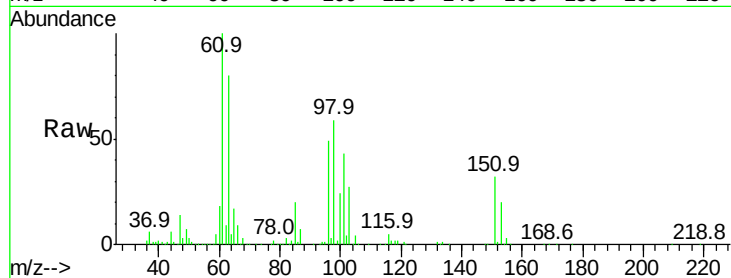
Tgt Ion:101 Resp: 55562

Ion Ratio Lower Upper

101 100

85 46.6 35.5 53.3

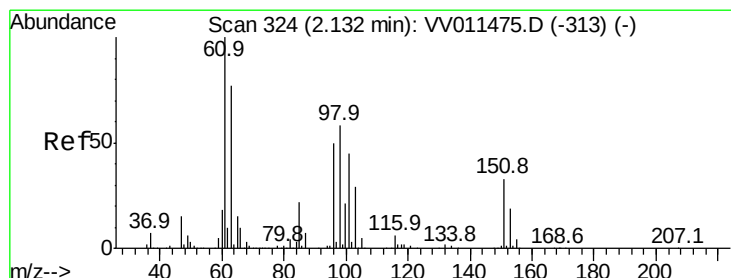
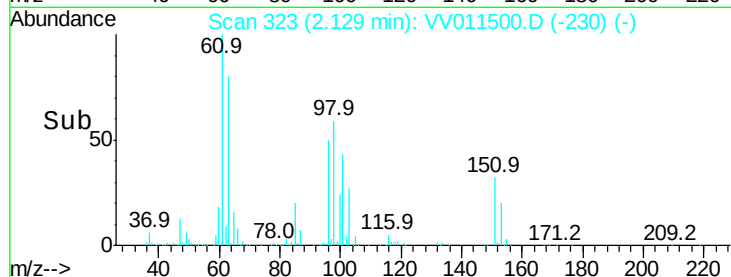
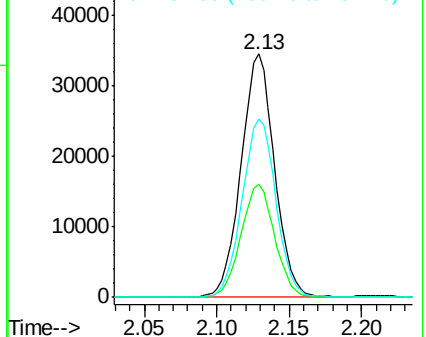
151 74.3 56.9 85.3



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: 4.807 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

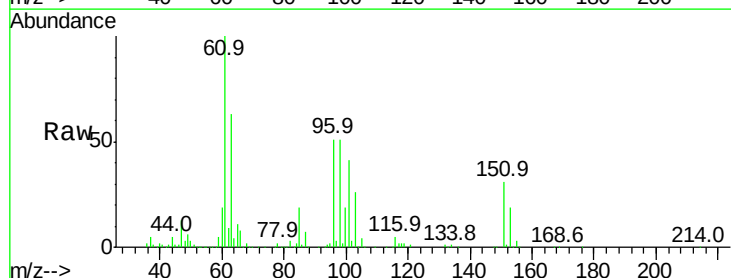
Tgt Ion: 96 Resp: 56502

Ion Ratio Lower Upper

96 100

61 194.2 139.8 259.6

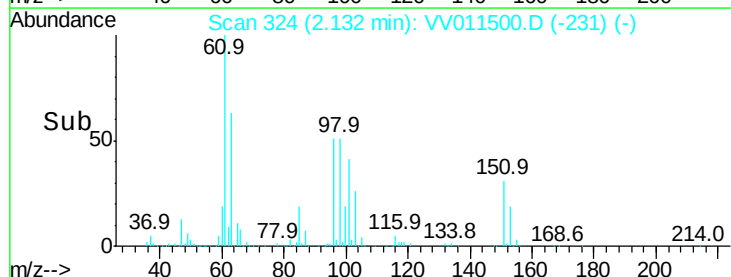
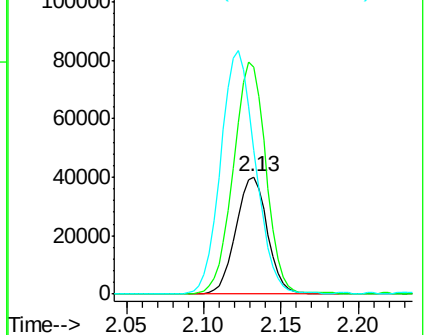
63 123.2 94.3 175.1

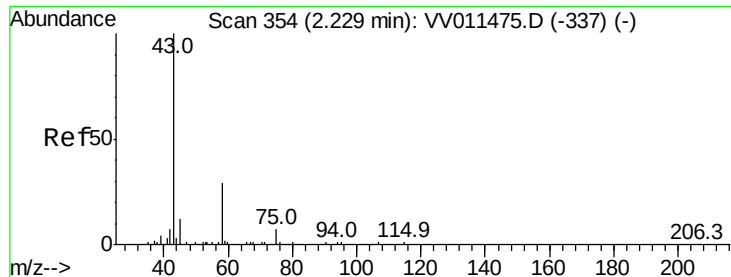


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 59.480 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.02 min

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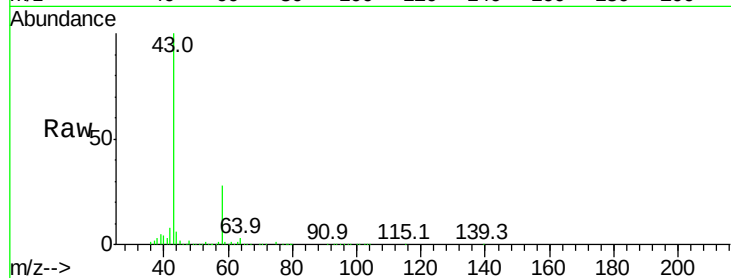
VSTD00533

Tgt Ion: 43 Resp: 126931

Ion Ratio Lower Upper

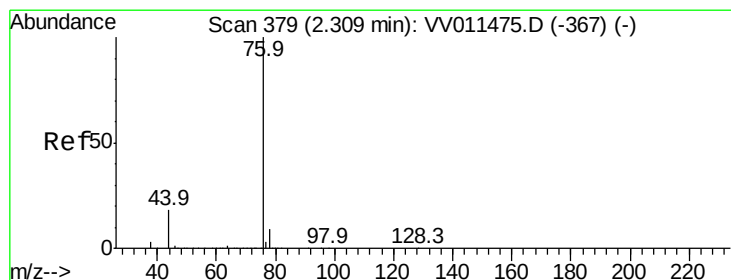
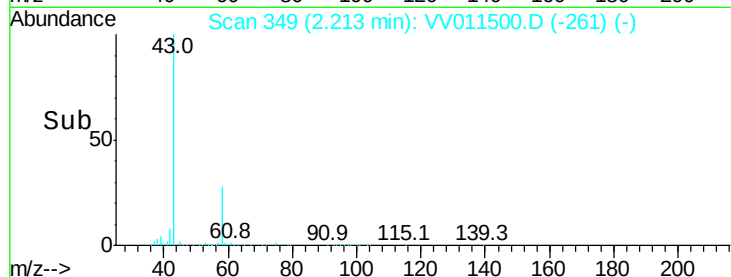
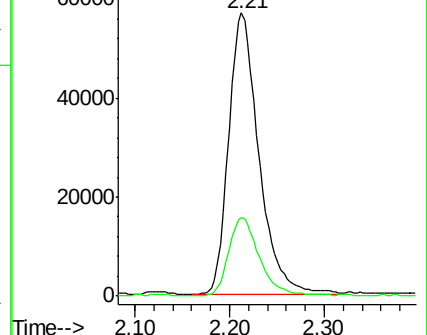
43 100

58 28.9 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011475.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV011475.D (-337) (-)



#14

Carbon disulfide

Concen: 4.291 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011500.D

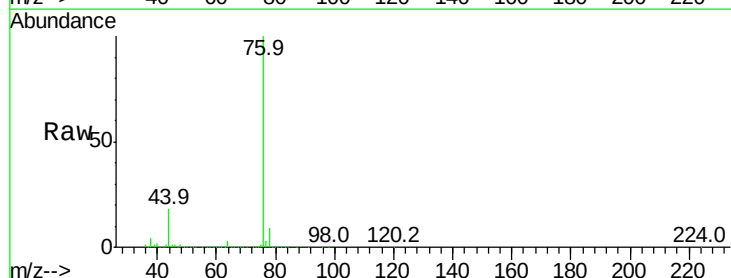
Acq: 14 Jun 2019 17:36

Tgt Ion: 76 Resp: 153024

Ion Ratio Lower Upper

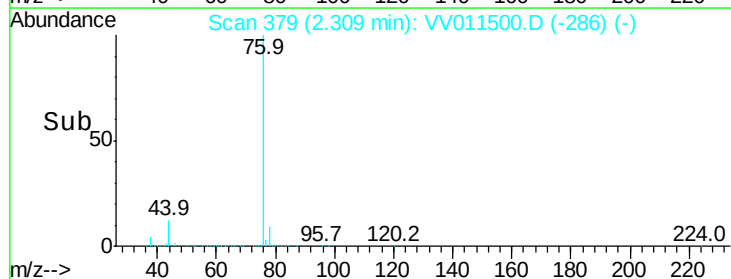
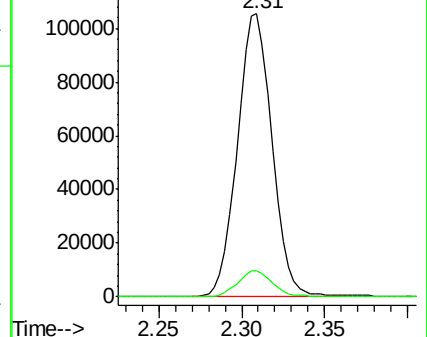
76 100

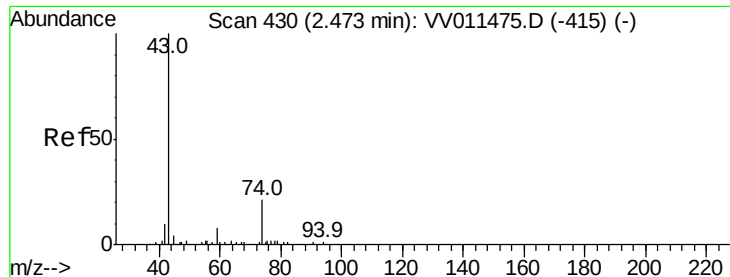
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011475.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011475.D (-367) (-)





#15

Methyl Acetate

Concen: 6.092 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

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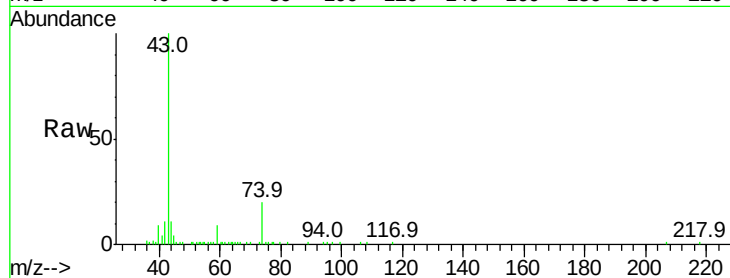
VSTD00533

Tgt Ion: 43 Resp: 34527

Ion Ratio Lower Upper

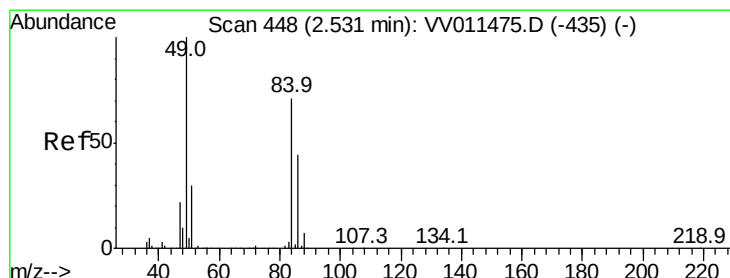
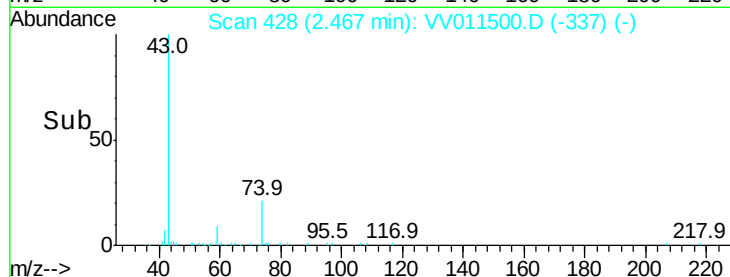
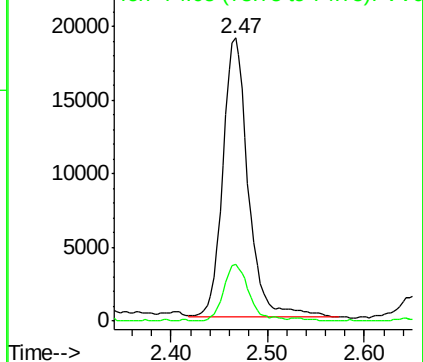
43 100

74 20.6 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.221 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

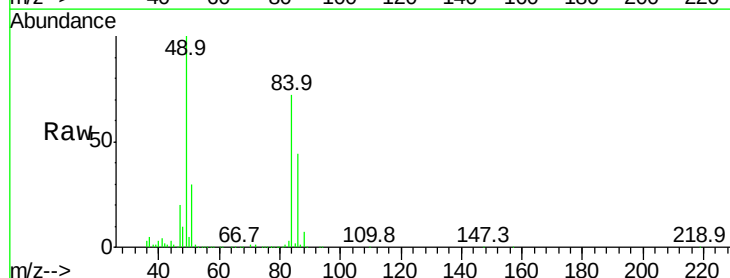
Tgt Ion: 84 Resp: 63238

Ion Ratio Lower Upper

84 100

86 60.7 44.9 83.3

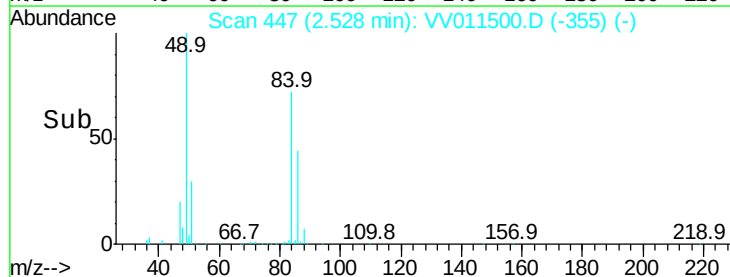
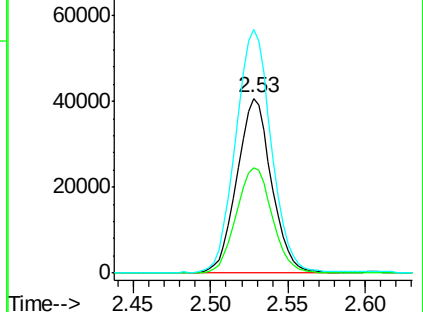
49 139.6 102.1 189.5

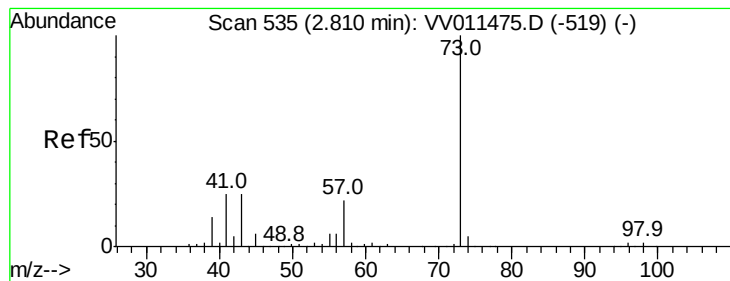


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.536 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

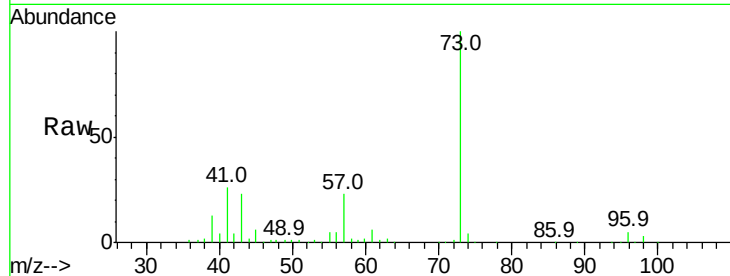
Tgt Ion: 73 Resp: 173726

Ion Ratio Lower Upper

73 100

43 22.8 18.7 28.1

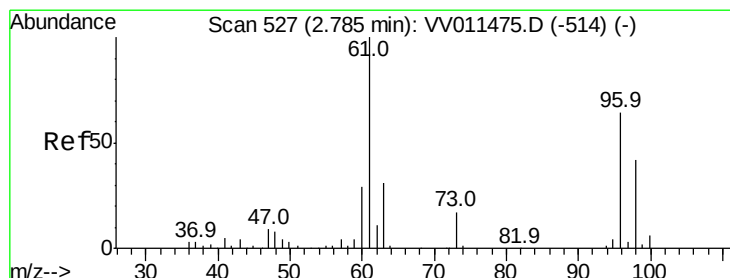
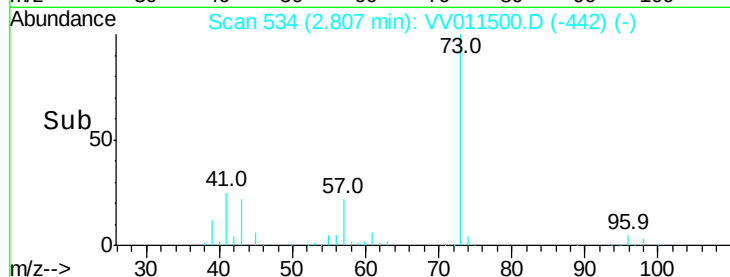
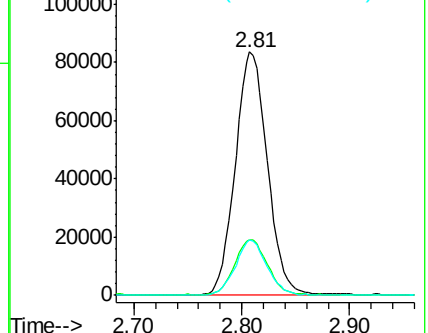
57 21.8 18.1 27.1



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: 5.006 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

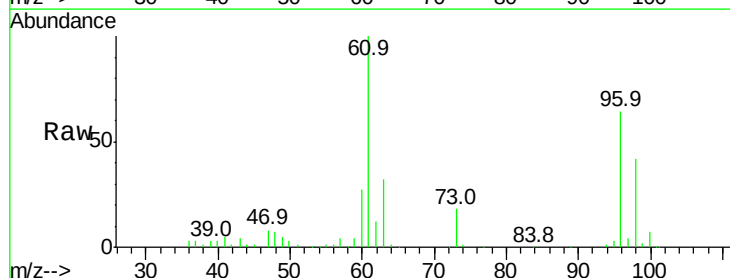
Tgt Ion: 96 Resp: 65884

Ion Ratio Lower Upper

96 100

61 157.2 104.0 193.2

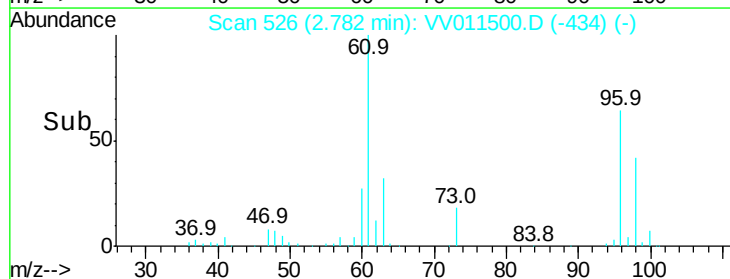
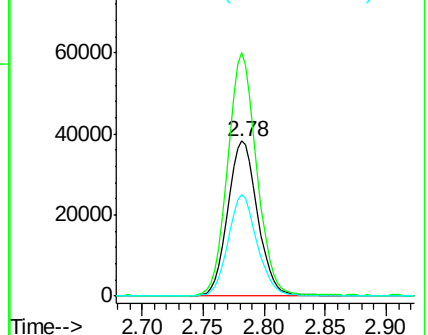
98 65.4 45.7 84.9

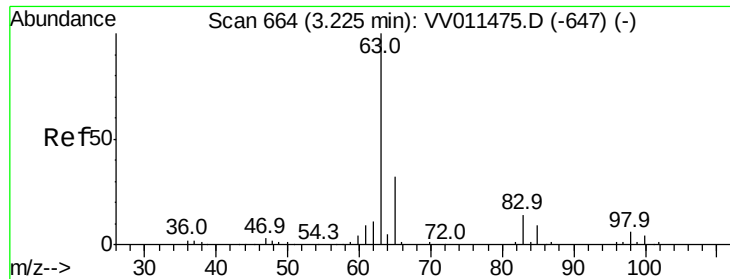


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

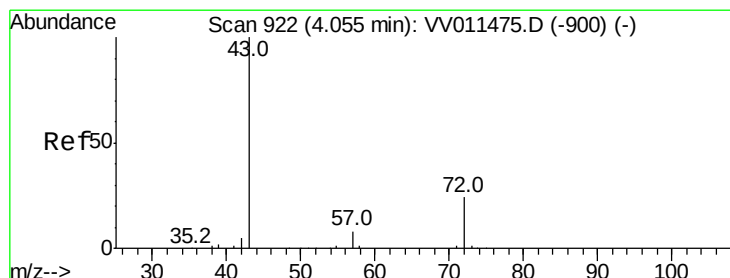
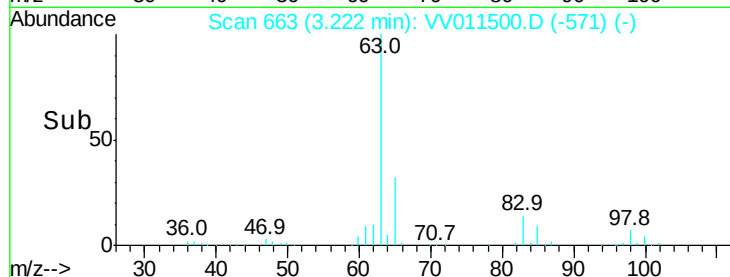
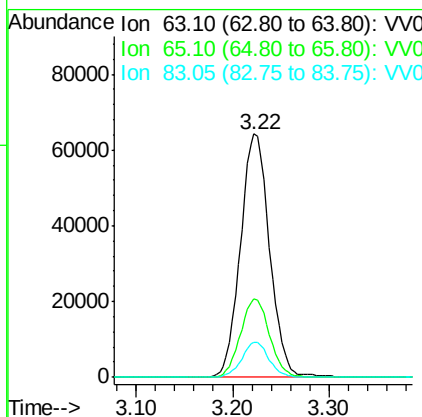
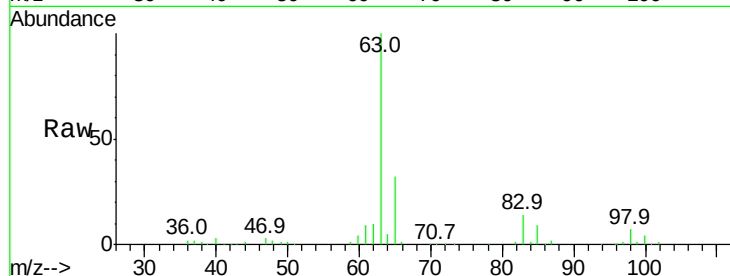




#19
 1,1-Dichloroethane
 Concen: 5.191 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

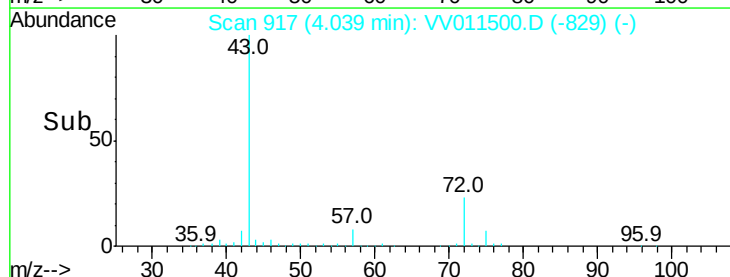
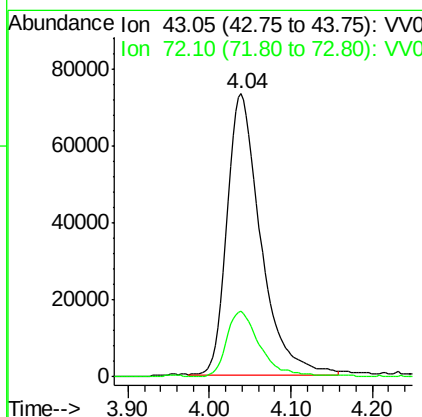
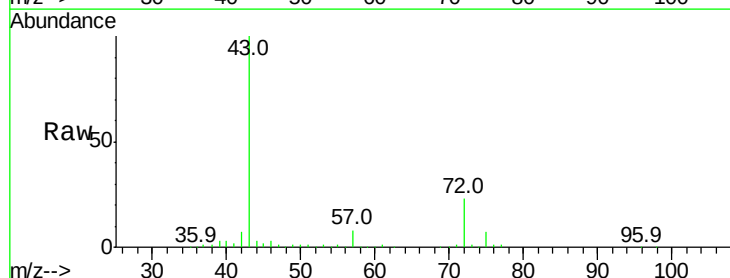
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

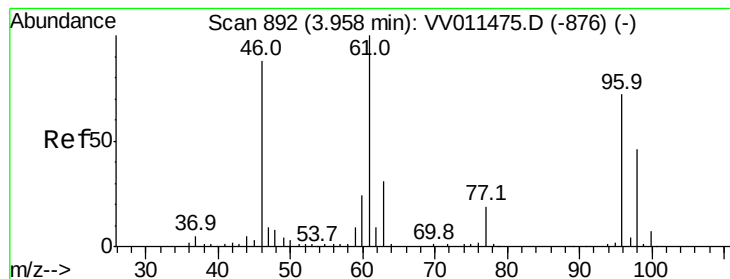
Tgt Ion:	63	Resp:	134768
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.1	41.1
83	14.5	9.2	17.0



#21
 2-Butanone
 Concen: 64.286 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion:	43	Resp:	211268
Ion	Ratio	Lower	Upper
43	100		
72	23.6	12.7	38.1



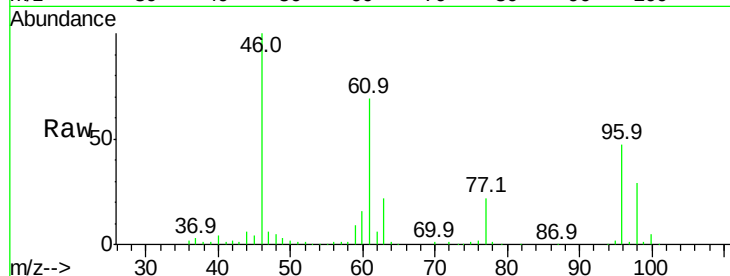


#22

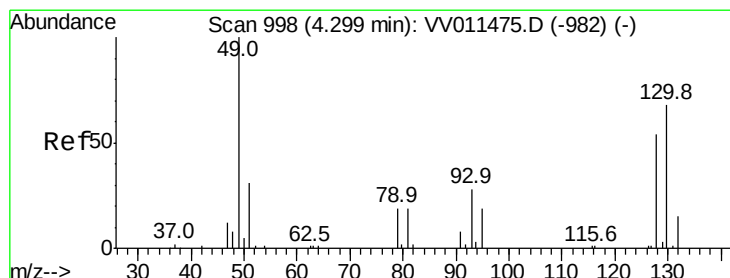
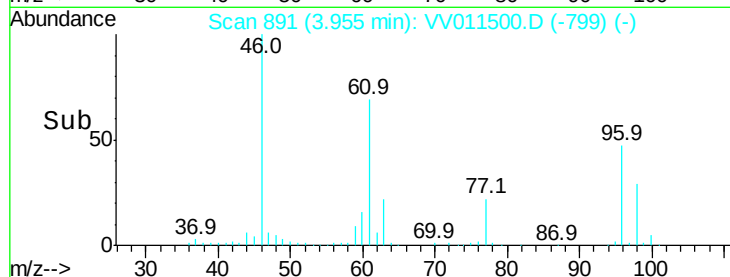
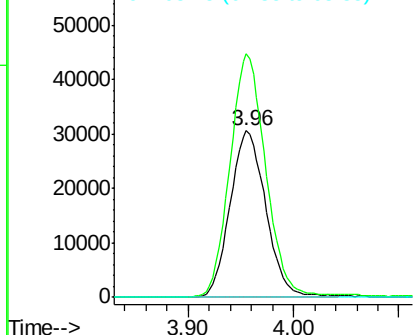
cis-1,2-Dichloroethene
Concen: 4.948 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion: 96 Resp: 72119
Ion Ratio Lower Upper
96 100
61 146.0 100.8 187.2
68 0.0 0.0 0.0



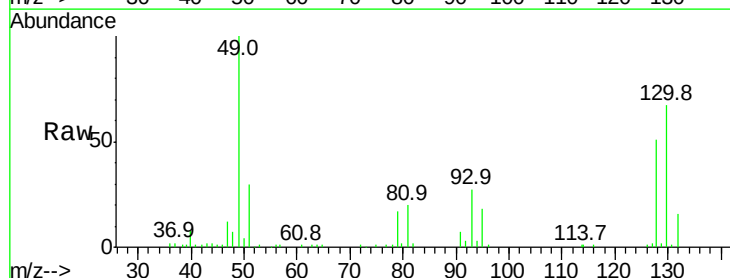
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



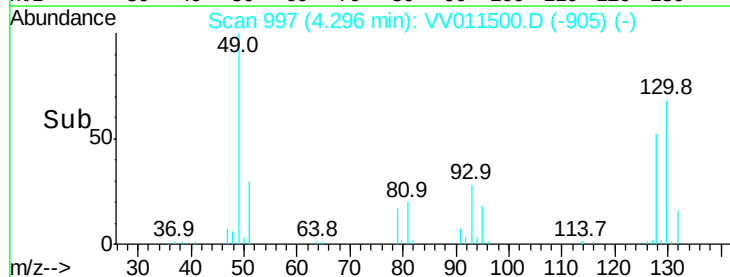
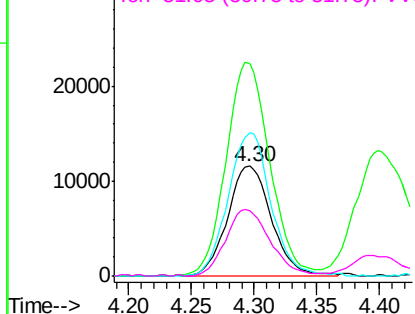
#23

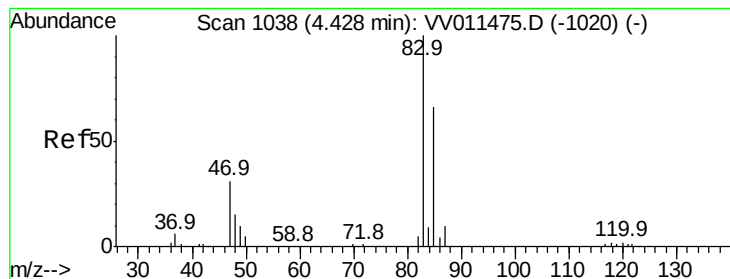
Bromochloromethane
Concen: 5.046 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Tgt Ion: 128 Resp: 28195
Ion Ratio Lower Upper
128 100
49 194.6 128.9 239.5
130 130.4 82.5 153.1
51 59.2 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.072 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

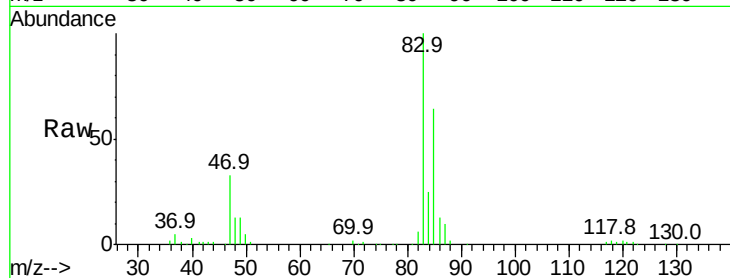
VSTD00533

Tgt Ion: 83 Resp: 135985

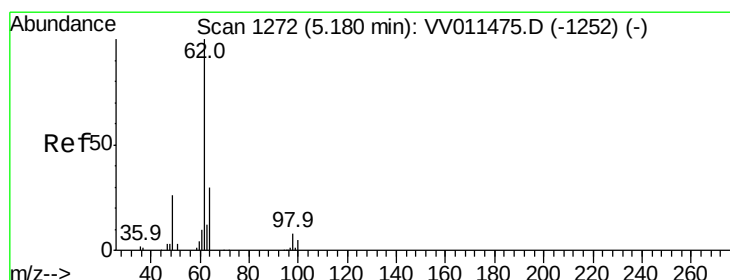
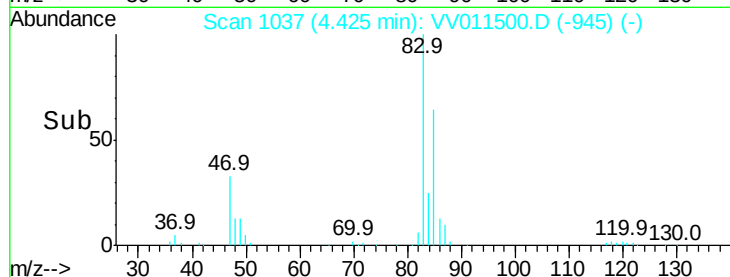
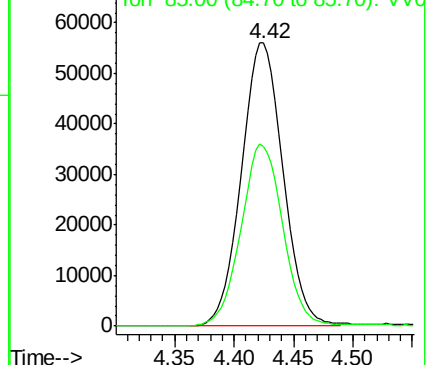
Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VV011500.D (-945) (-)



#27

1,2-Dichloroethane

Concen: 5.759 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV011500.D

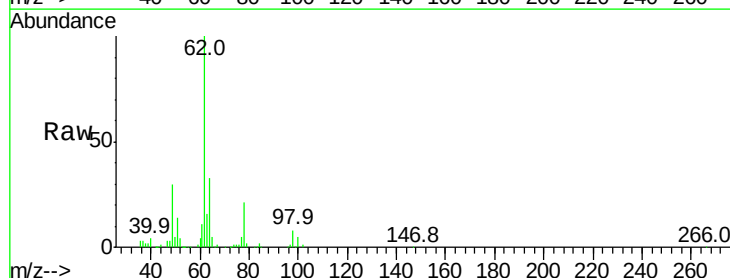
Acq: 14 Jun 2019 17:36

Tgt Ion: 62 Resp: 94351

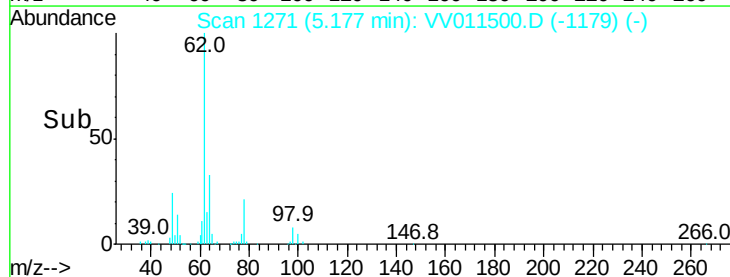
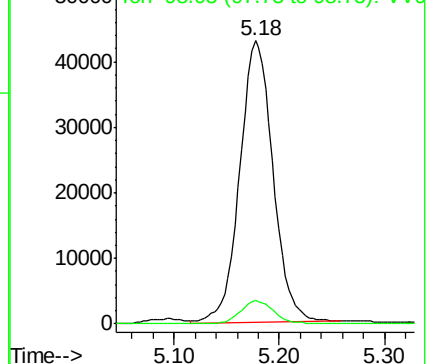
Ion Ratio Lower Upper

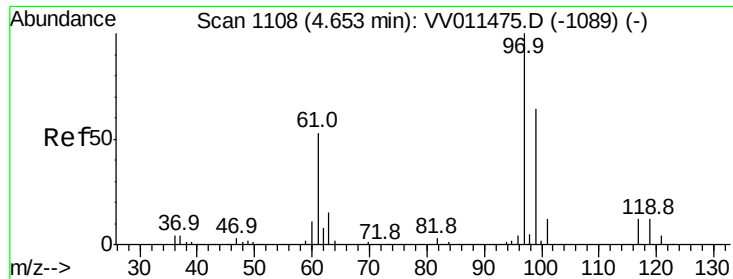
62 100

98 8.1 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV011500.D (-1179) (-)

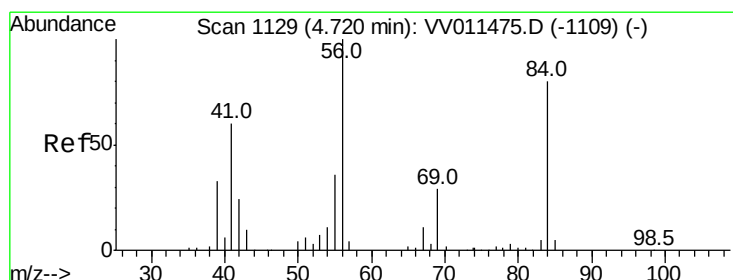
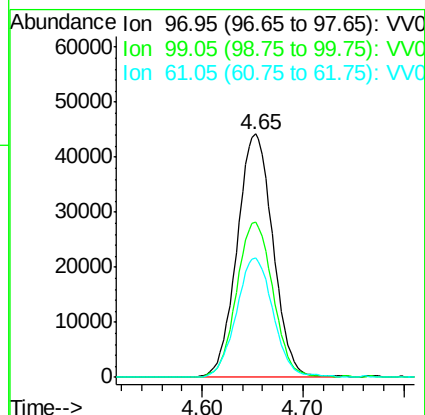
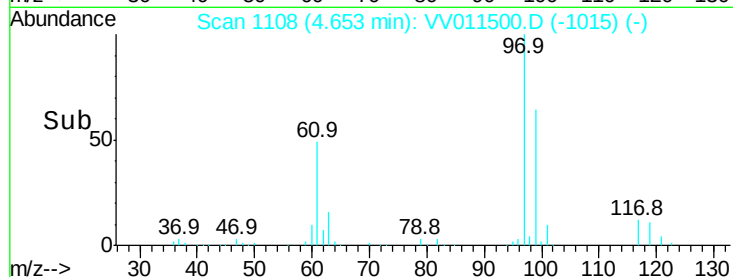
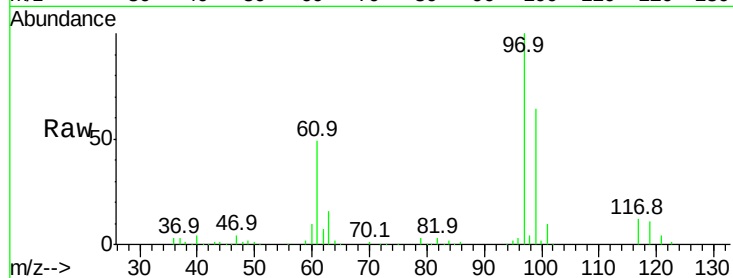




#29
1,1,1-Trichloroethane
Concen: 4.951 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

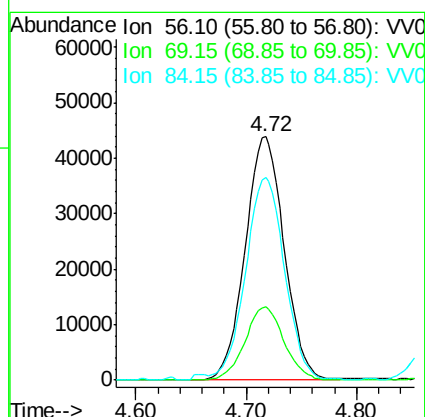
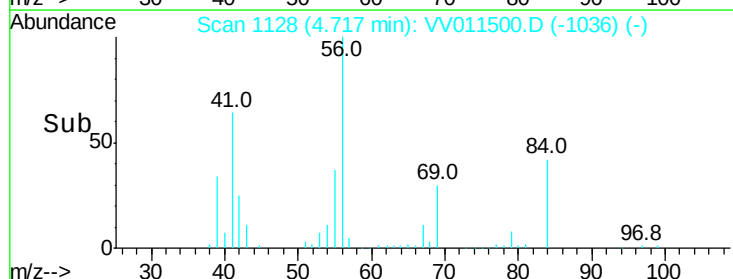
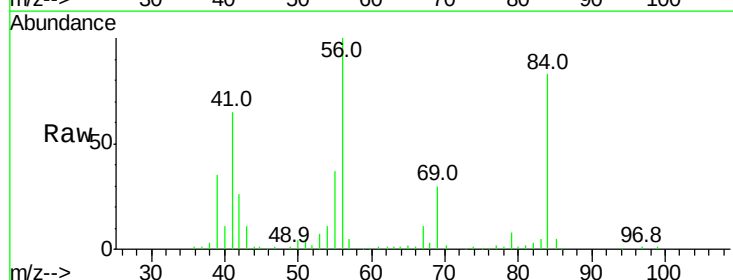
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

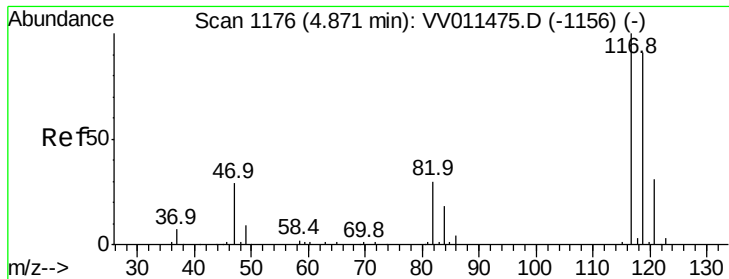
Tgt Ion: 97 Resp: 109220
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 50.5 38.9 58.3



#30
Cyclohexane
Concen: 4.392 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Tgt Ion: 56 Resp: 107425
Ion Ratio Lower Upper
56 100
69 30.1 24.1 36.1
84 83.5 66.4 99.6

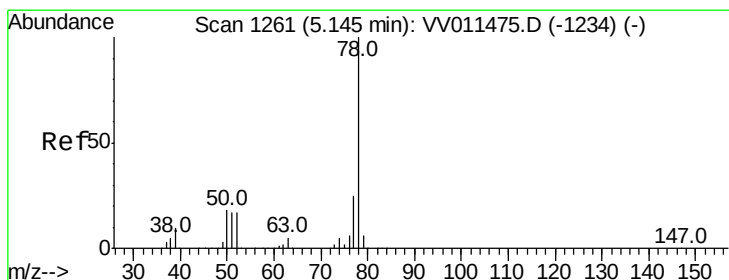
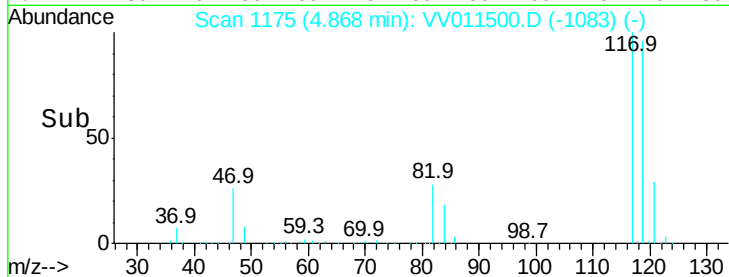
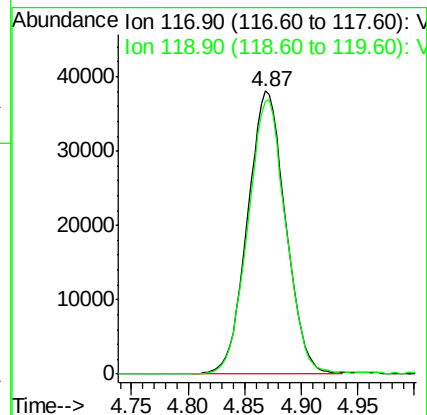
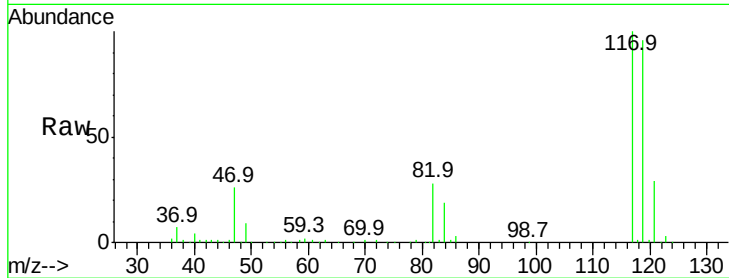




#31
Carbon tetrachloride
Concen: 4.826 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

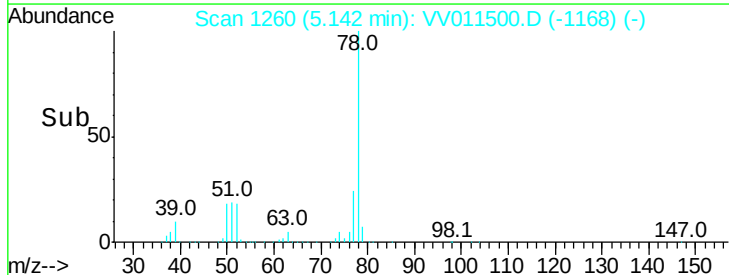
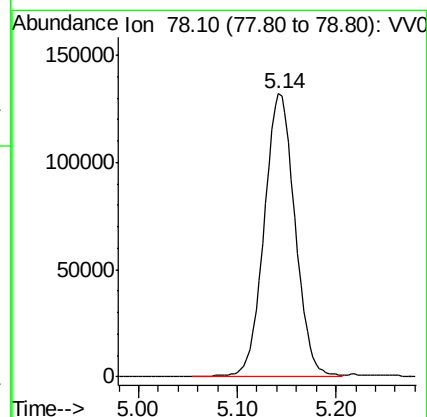
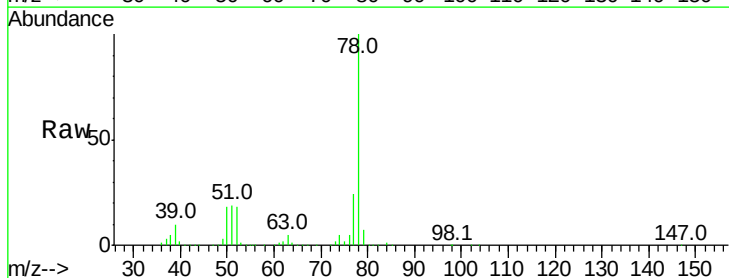
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

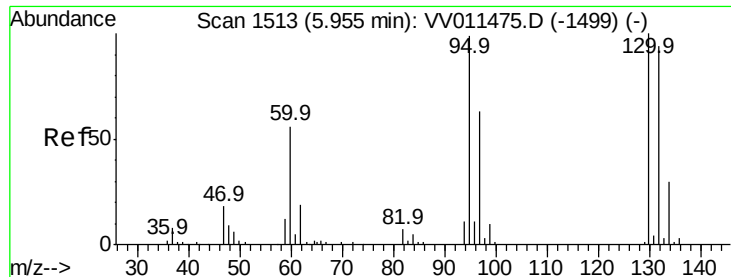
Tgt Ion:117 Resp: 88986
Ion Ratio Lower Upper
117 100
119 96.8 77.9 116.9



#33
Benzene
Concen: 5.191 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Tgt Ion: 78 Resp: 285670





#34

Trichloroethene

Concen: 5.089 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

Tgt Ion: 95 Resp: 72351

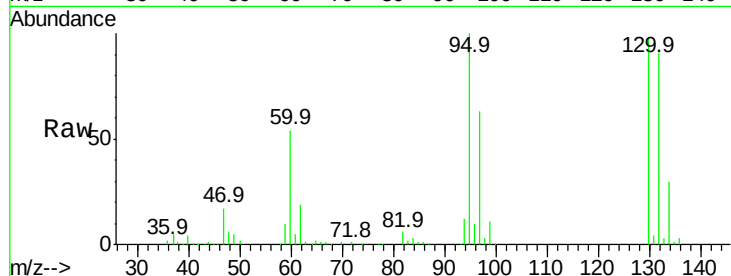
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.2

132 90.7 66.4 123.2

130 97.9 68.3 126.8

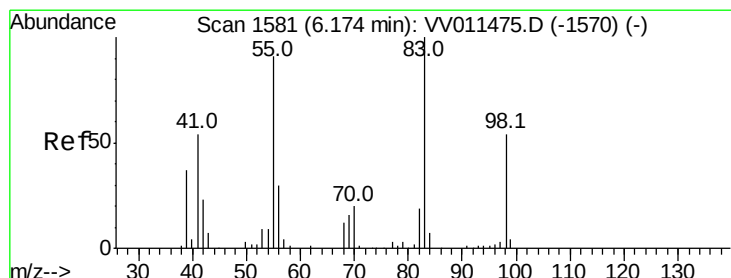
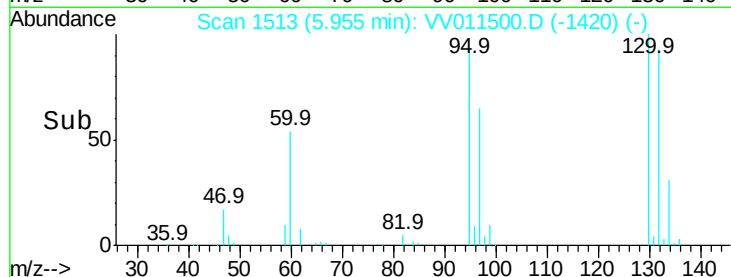
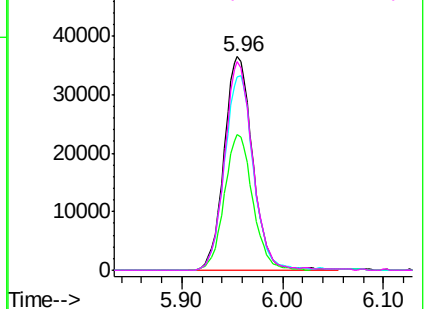


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.345 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

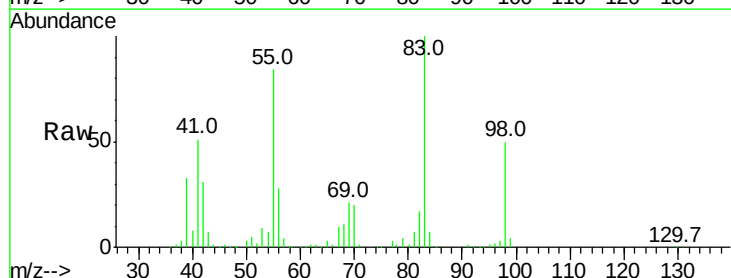
Tgt Ion: 83 Resp: 102158

Ion Ratio Lower Upper

83 100

55 84.9 67.0 100.6

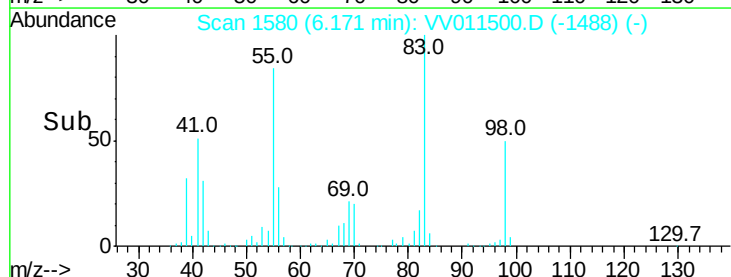
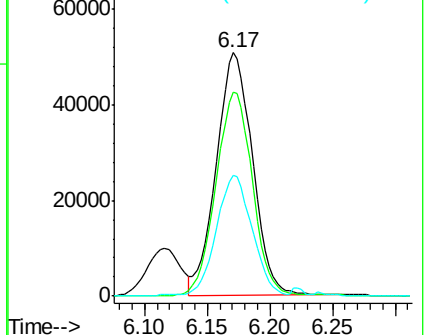
98 49.5 40.0 60.0

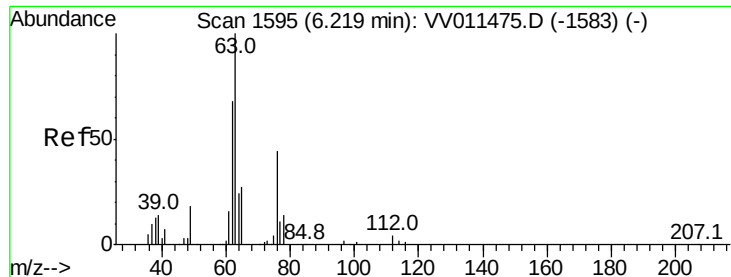


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.301 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

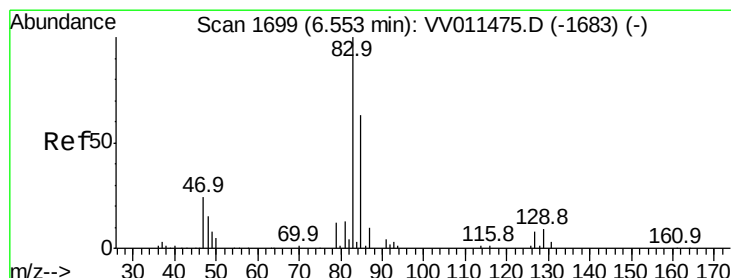
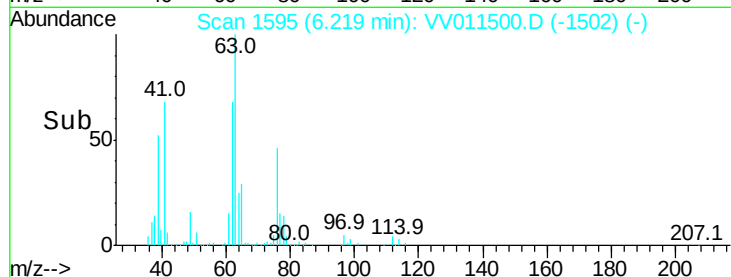
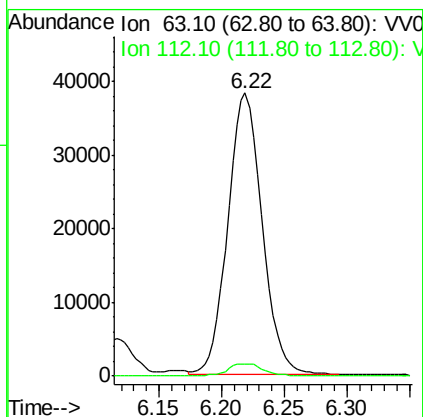
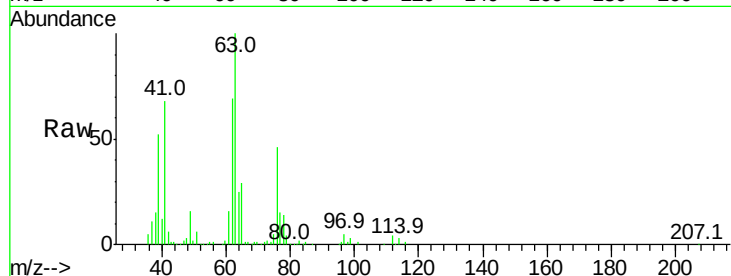
VSTD00533

Tgt Ion: 63 Resp: 72607

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



#38

Bromodichloromethane

Concen: 5.072 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

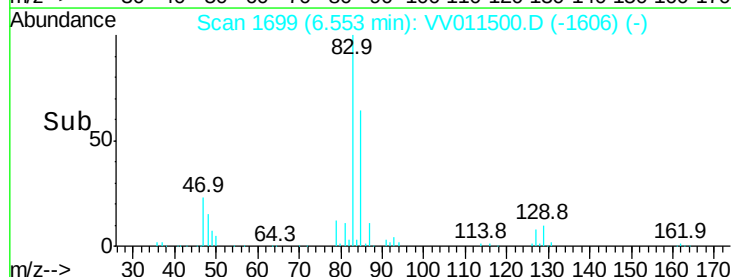
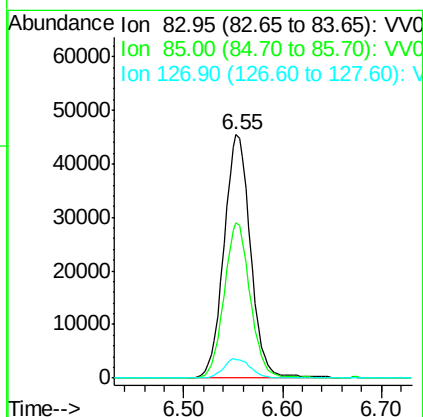
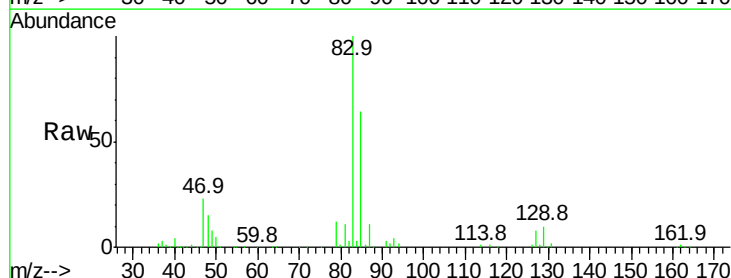
Tgt Ion: 83 Resp: 85898

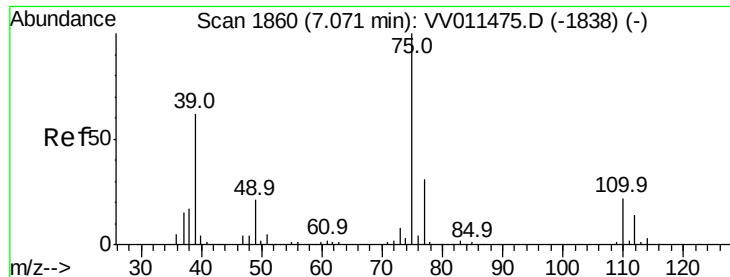
Ion Ratio Lower Upper

83 100

85 63.9 44.5 82.7

127 7.8 7.0 10.4

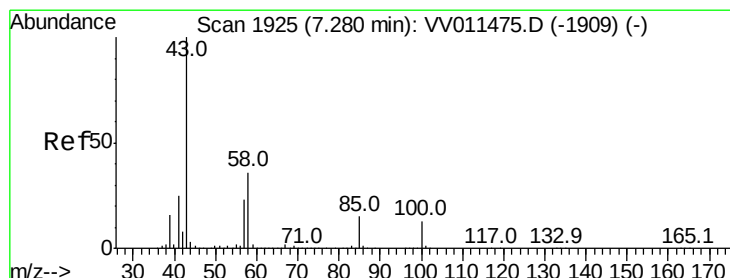
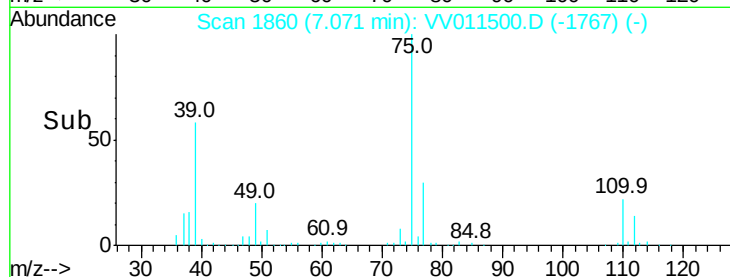
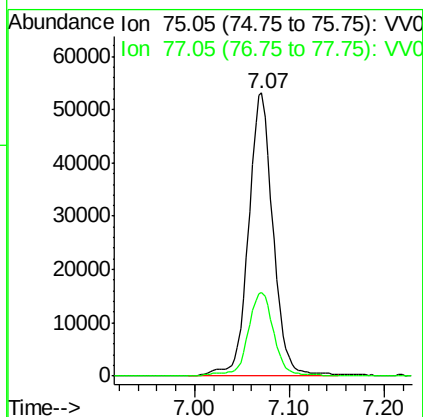
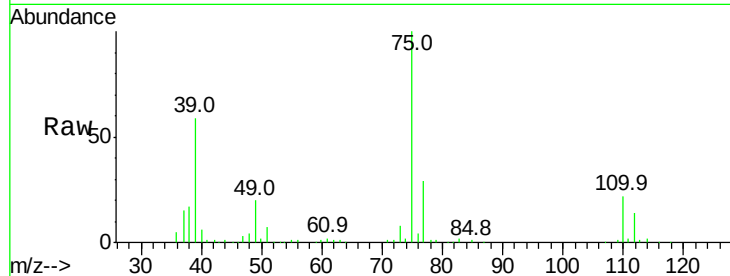




#39
 cis-1,3-Dichloropropene
 Concen: 4.792 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

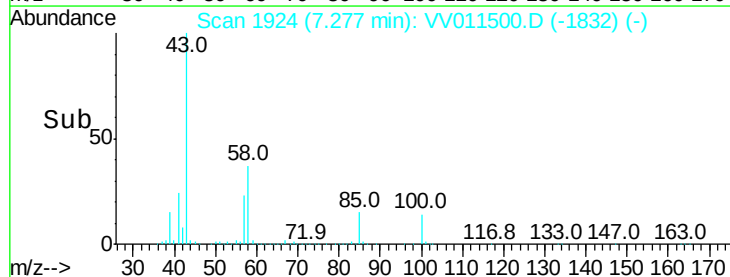
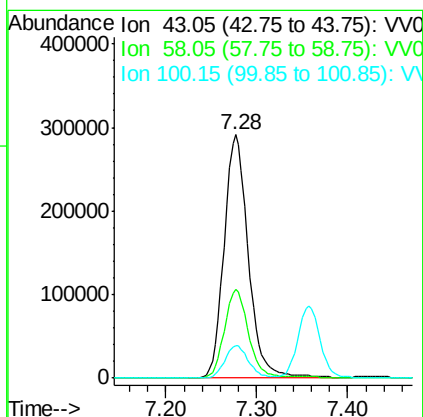
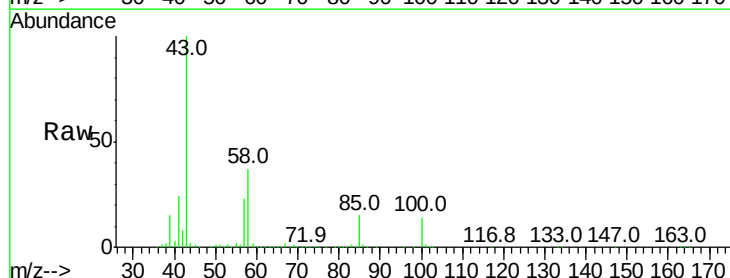
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

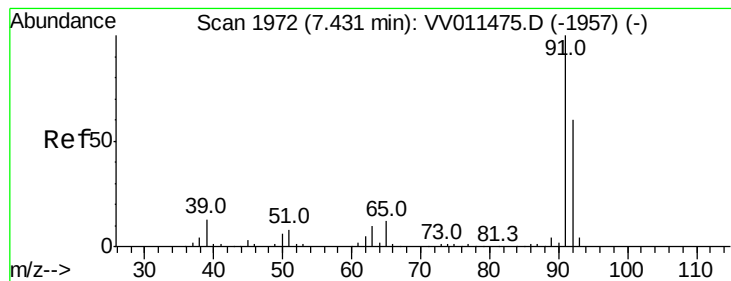
Tgt Ion: 75 Resp: 96040
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 61.936 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion: 43 Resp: 540259
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.3 43.9
 100 13.2 10.6 16.0





#42

Toluene

Concen: 5.064 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

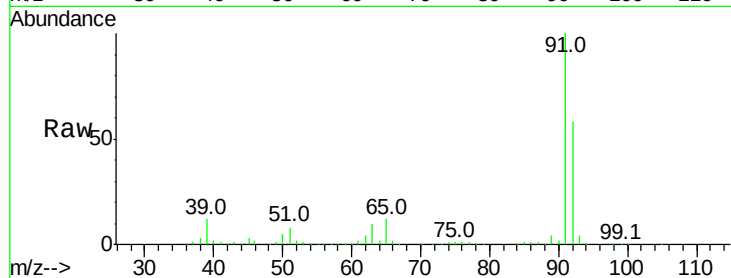
VSTD00533

Tgt Ion: 91 Resp: 297028

Ion Ratio Lower Upper

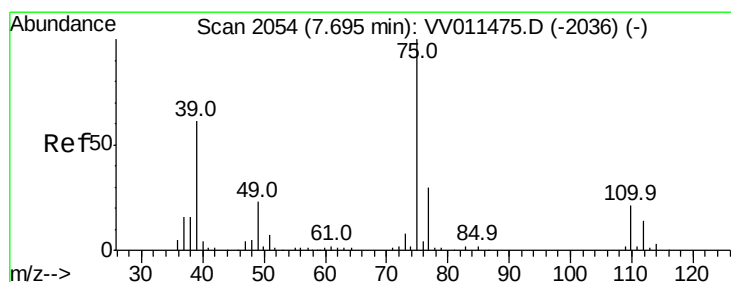
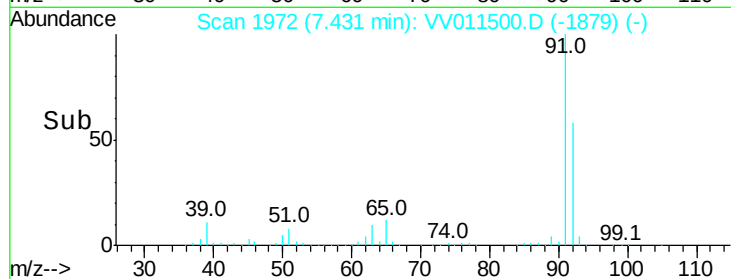
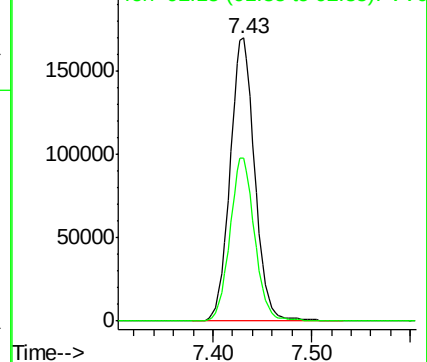
91 100

92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV011500.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV011500.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.776 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011500.D

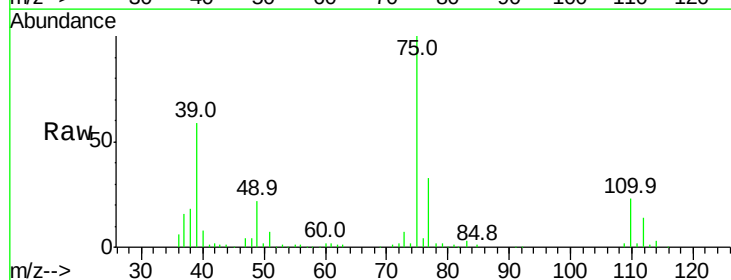
Acq: 14 Jun 2019 17:36

Tgt Ion: 75 Resp: 72775

Ion Ratio Lower Upper

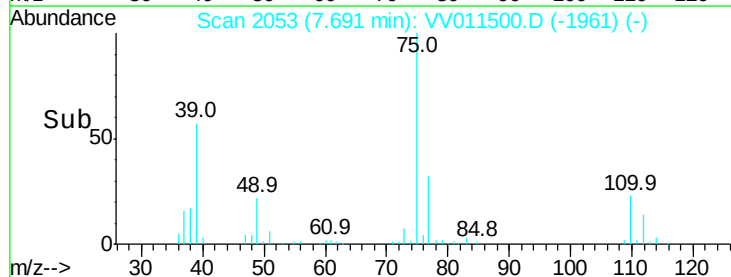
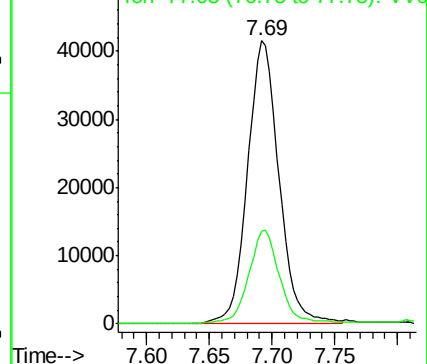
75 100

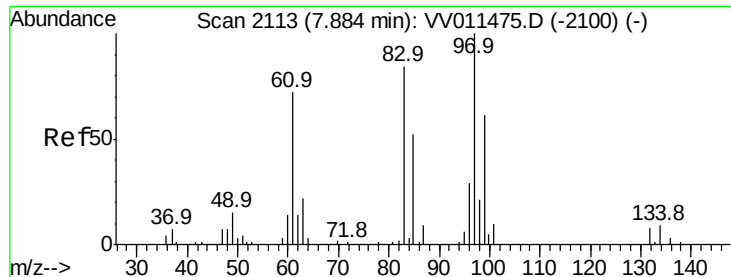
77 32.6 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV011500.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV011500.D (-1961) (-)

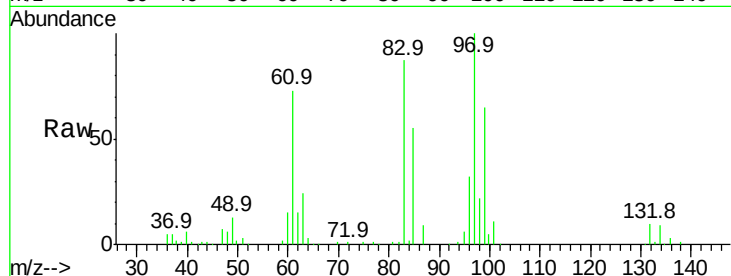




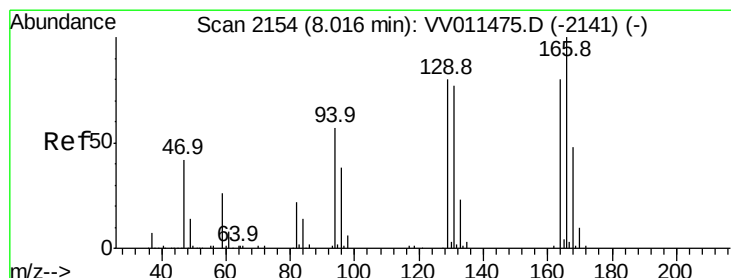
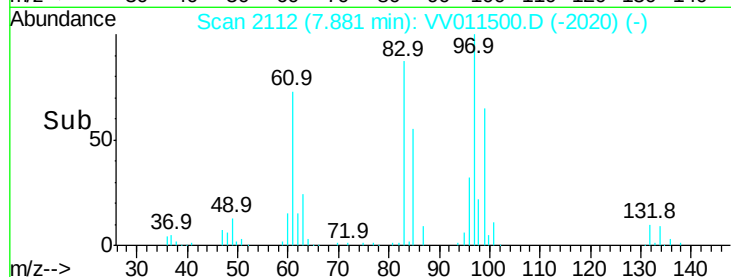
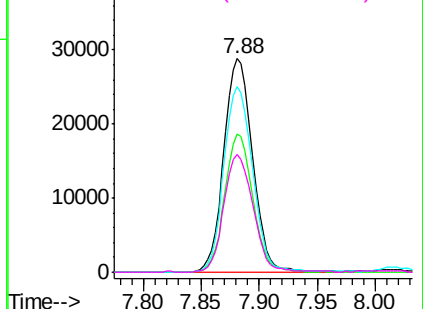
#45
 1,1,2-Trichloroethane
 Concen: 5.639 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 97 Resp: 49442
 Ion Ratio Lower Upper
 97 100
 99 64.9 42.1 78.3
 83 86.6 59.4 110.2
 85 55.1 39.7 73.7

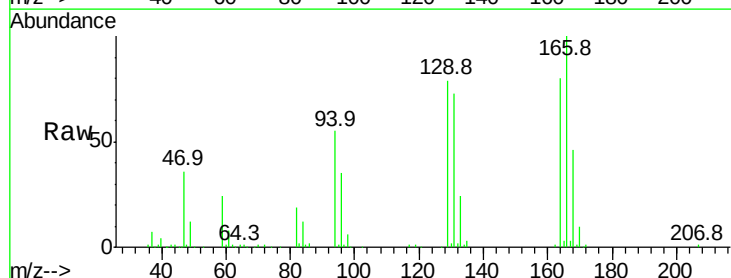


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

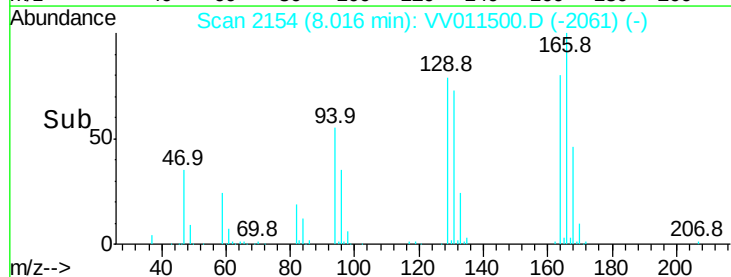
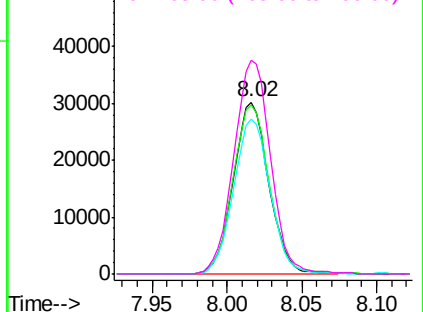


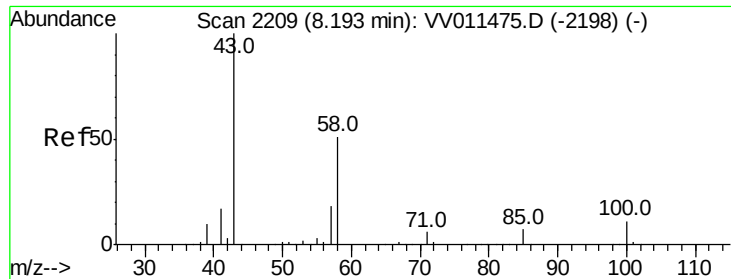
#47
 Tetrachloroethene
 Concen: 4.884 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion: 164 Resp: 50183
 Ion Ratio Lower Upper
 164 100
 129 98.3 69.9 129.9
 131 90.3 66.8 124.2
 166 124.3 90.2 167.6



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

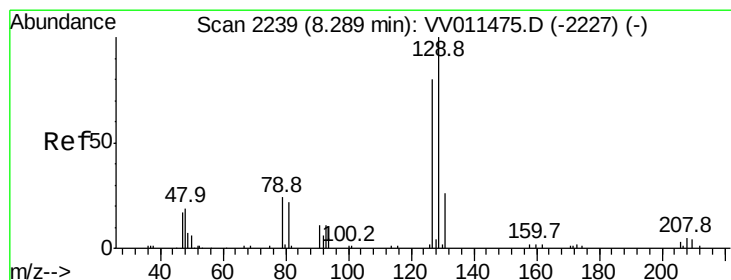
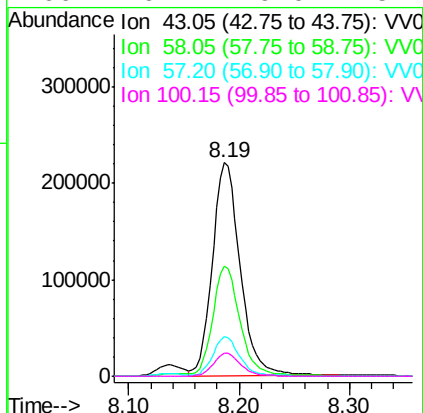
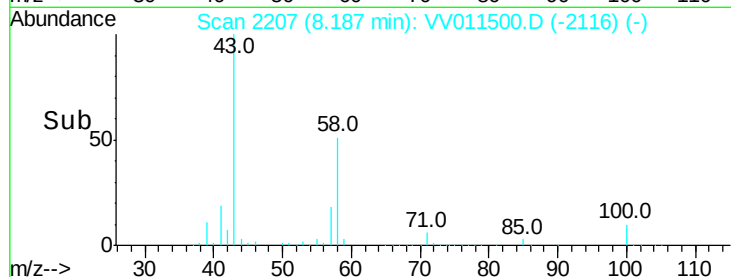
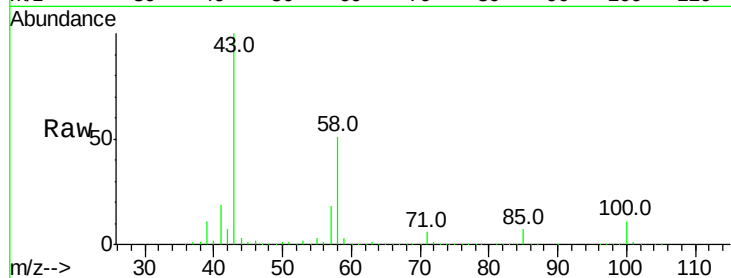




#48
2-Hexanone
Concen: 63.121 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

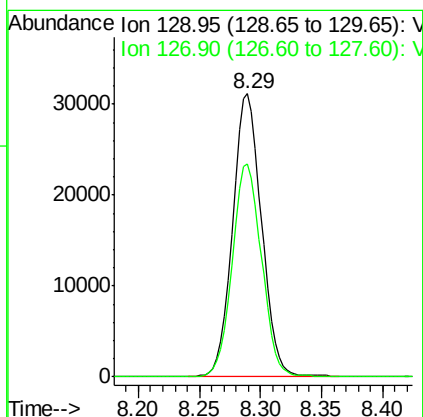
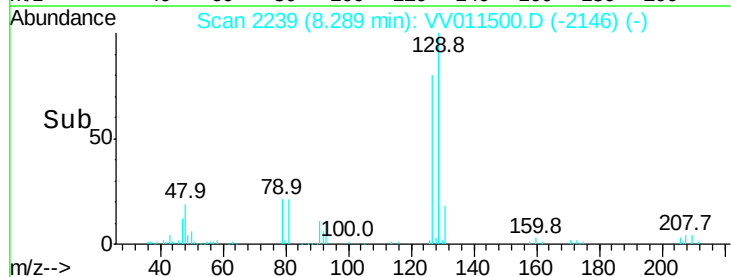
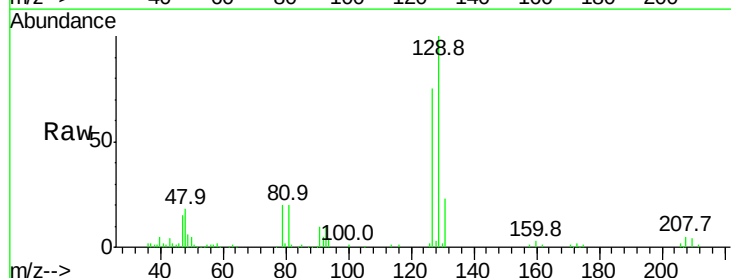
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

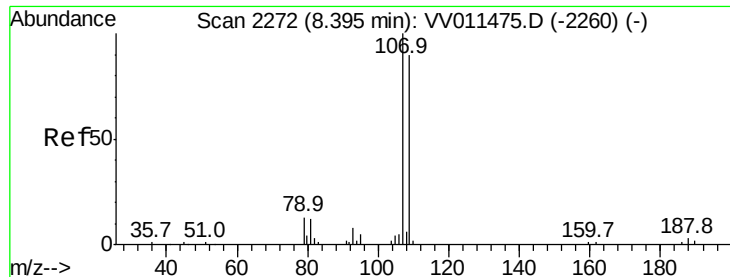
Tgt Ion: 43 Resp: 383995
Ion Ratio Lower Upper
43 100
58 50.7 41.4 62.0
57 17.8 15.0 22.4
100 10.7 9.0 13.4



#49
Dibromochloromethane
Concen: 5.156 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Tgt Ion: 129 Resp: 51349
Ion Ratio Lower Upper
129 100
127 75.1 53.7 99.7

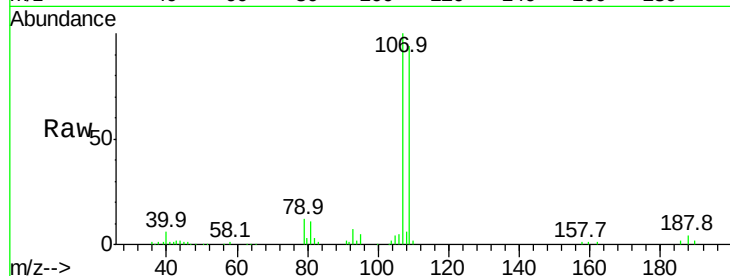




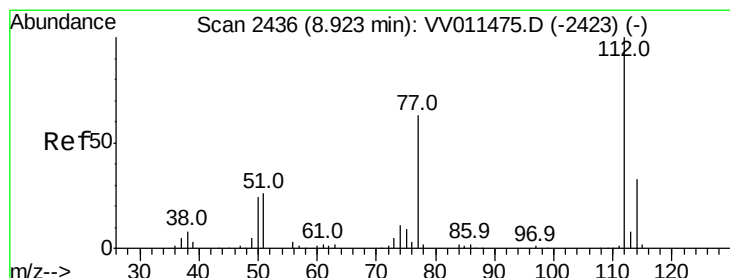
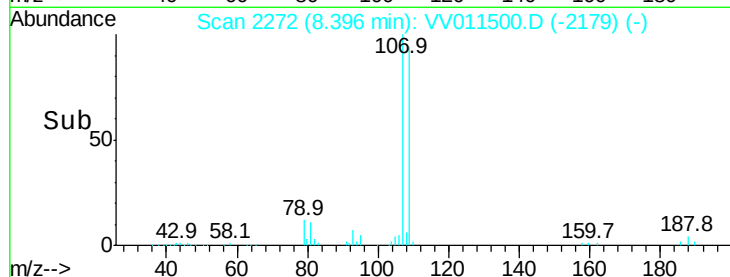
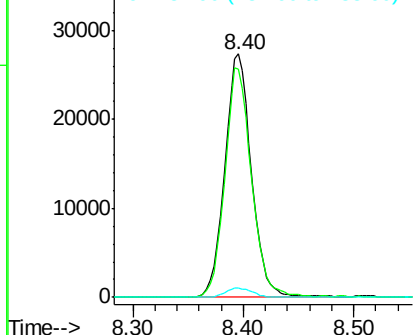
#50
1,2-Dibromoethane
Concen: 5.498 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 45827
Ion Ratio Lower Upper
107 100
109 93.8 64.5 119.9
188 3.6 2.7 4.1

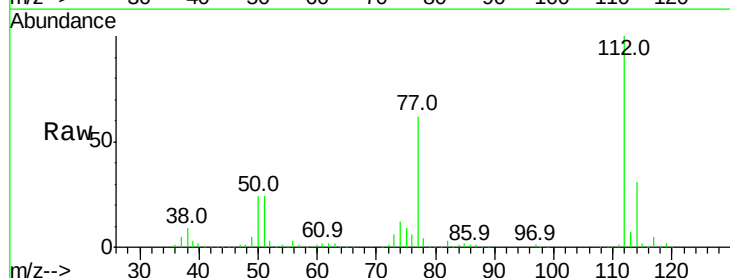


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

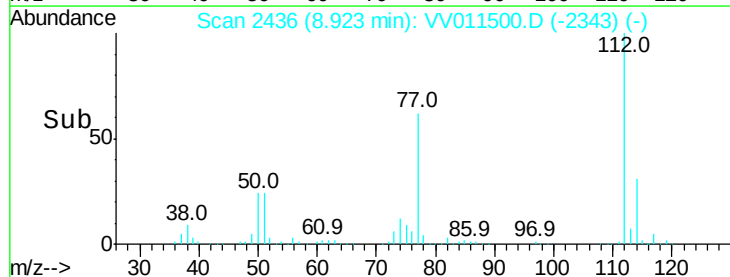
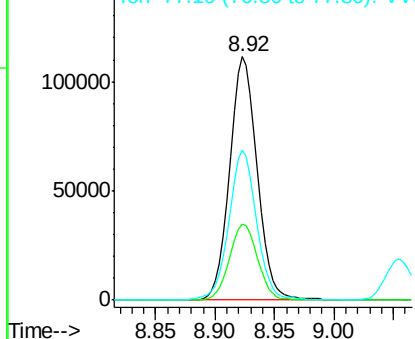


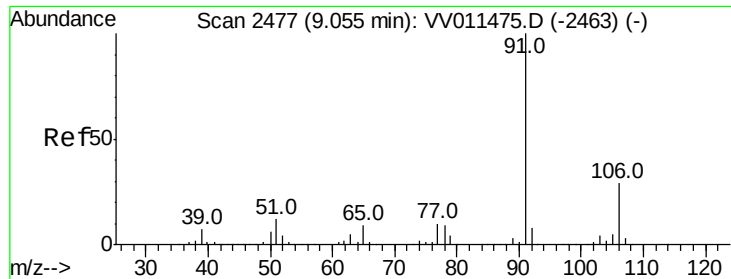
#51
Chlorobenzene
Concen: 4.990 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011500.D
Acq: 14 Jun 2019 17:36

Tgt Ion:112 Resp: 178485
Ion Ratio Lower Upper
112 100
114 31.3 22.6 42.0
77 61.6 50.1 75.1



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: 4.746 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

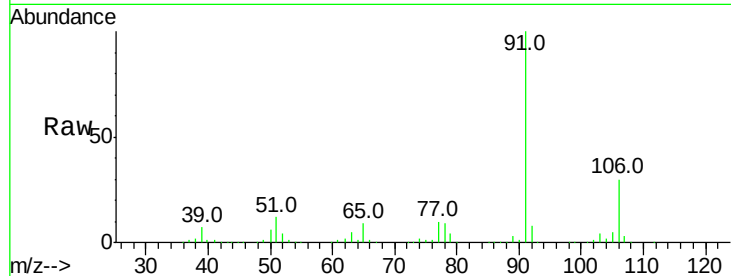
VSTD00533

Tgt Ion: 91 Resp: 309153

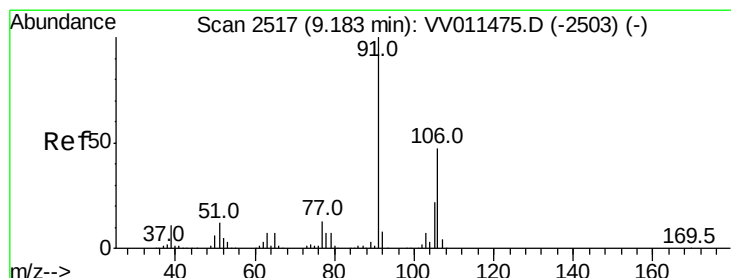
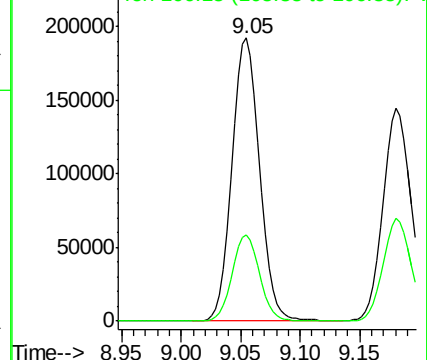
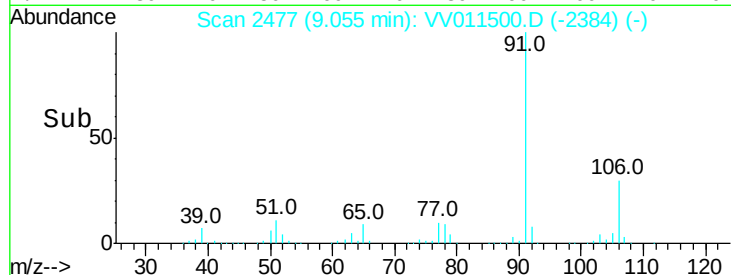
Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011500.D (-2384) (-)



#53

m,p-xylene

Concen: 4.783 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011500.D

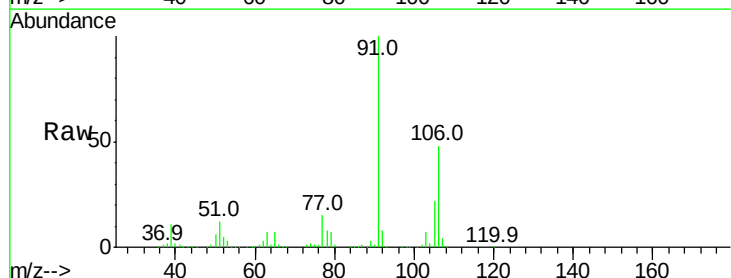
Acq: 14 Jun 2019 17:36

Tgt Ion: 106 Resp: 115215

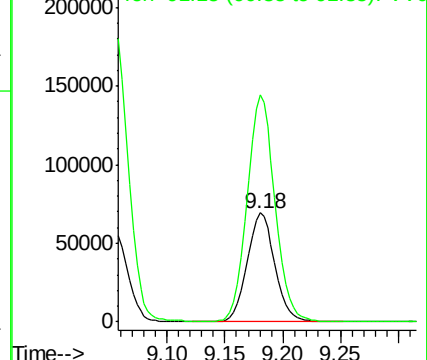
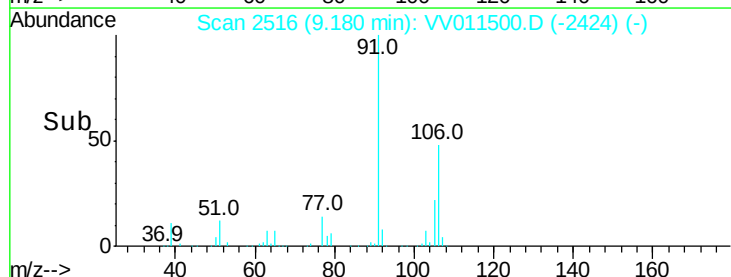
Ion Ratio Lower Upper

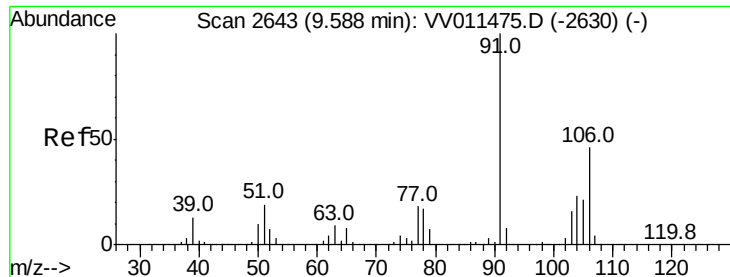
106 100

91 207.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011500.D (-2424) (-)





#54

o-xylene

Concen: 4.879 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

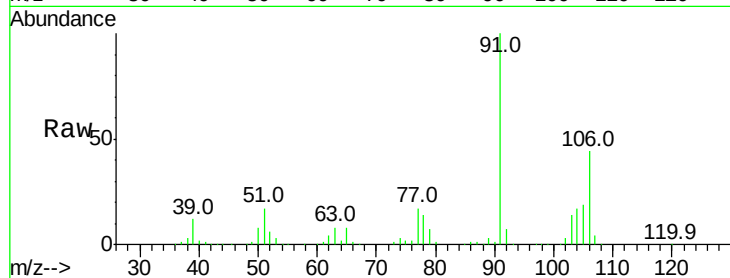
VSTD00533

Tgt Ion:106 Resp: 115340

Ion Ratio Lower Upper

106 100

91 226.8 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

150000

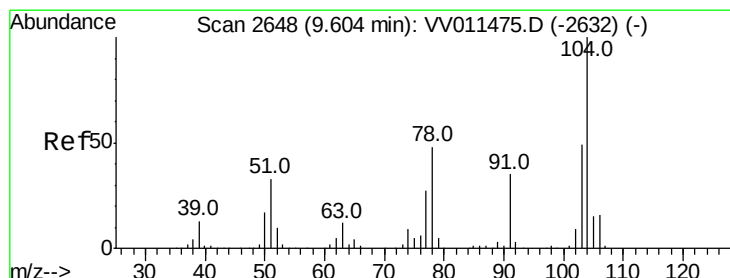
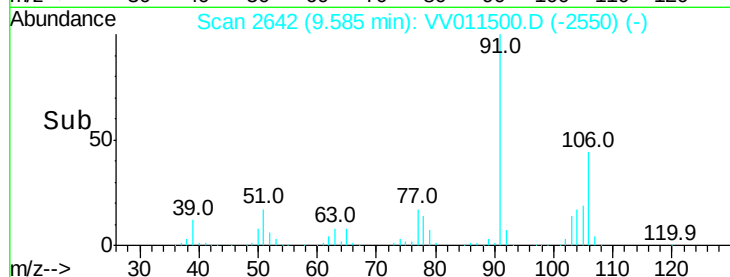
100000

50000

0

9.59

Time--> 9.50 9.55 9.60 9.65



#55

Styrene

Concen: 4.990 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011500.D

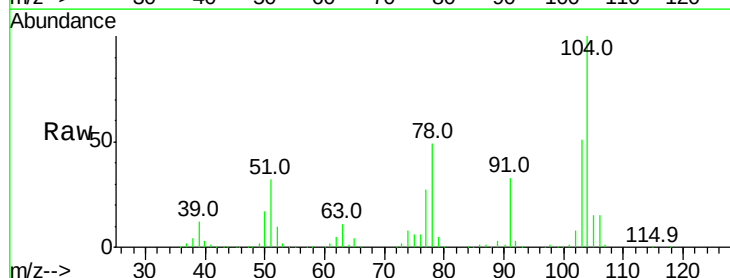
Acq: 14 Jun 2019 17:36

Tgt Ion:104 Resp: 192127

Ion Ratio Lower Upper

104 100

78 48.6 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

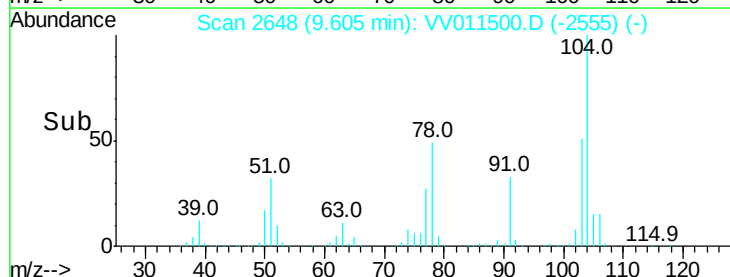
100000

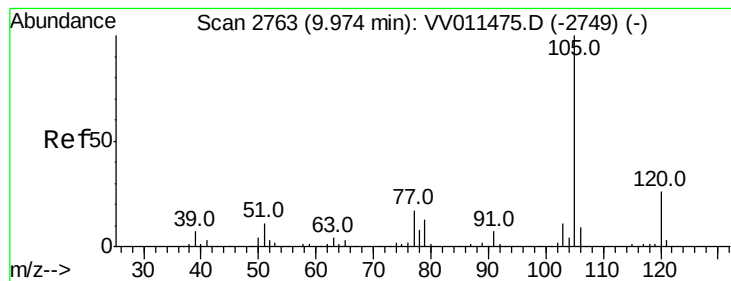
50000

0

9.60

Time--> 9.50 9.60 9.70





#56

Isopropylbenzene

Concen: 4.555 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

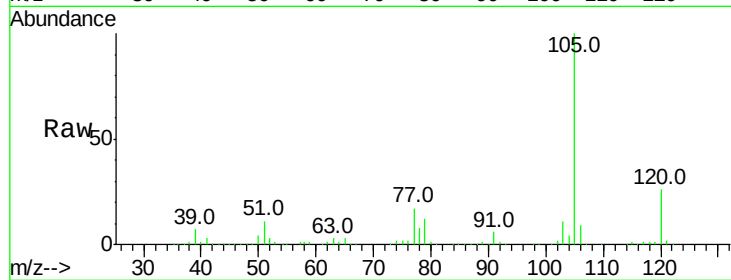
Tgt Ion:105 Resp: 289865

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

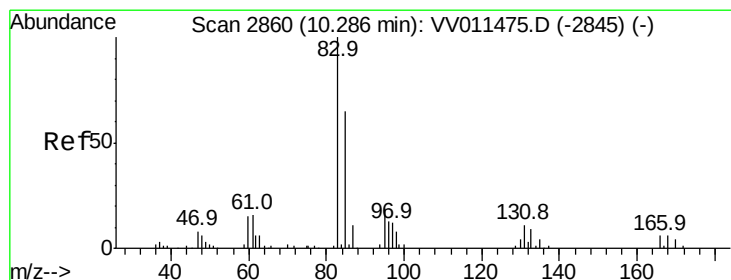
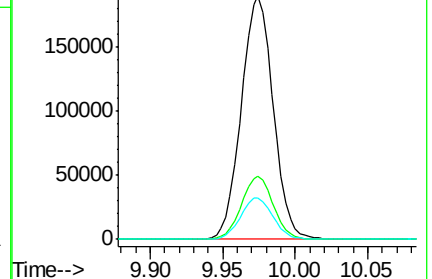
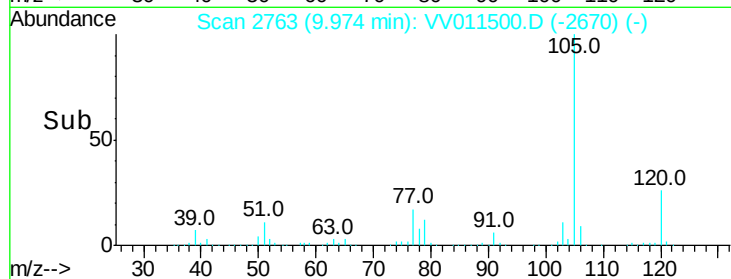
77 17.3 13.8 20.6



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: 5.701 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

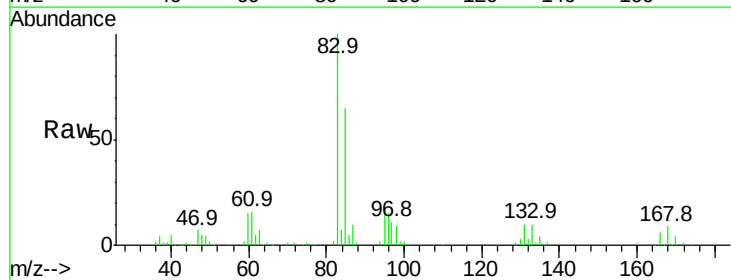
Tgt Ion: 83 Resp: 60607

Ion Ratio Lower Upper

83 100

85 65.2 43.5 80.9

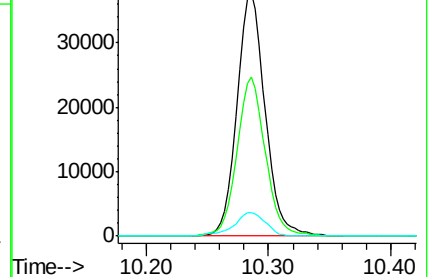
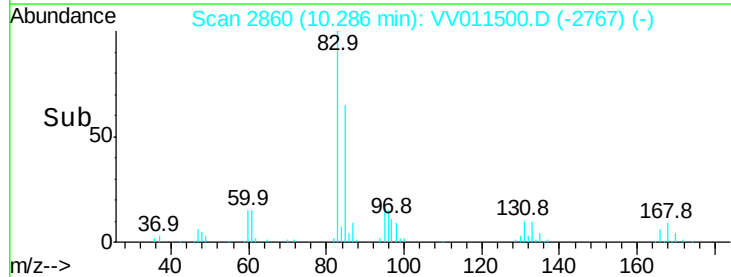
131 9.9 7.5 11.3

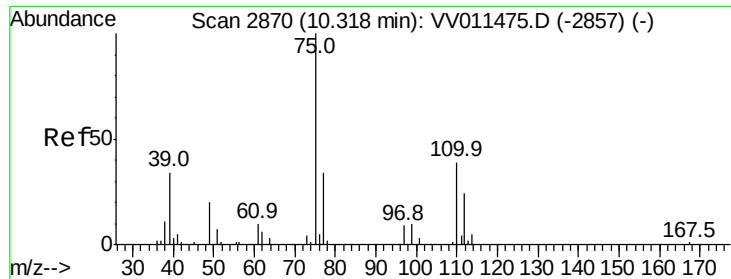


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

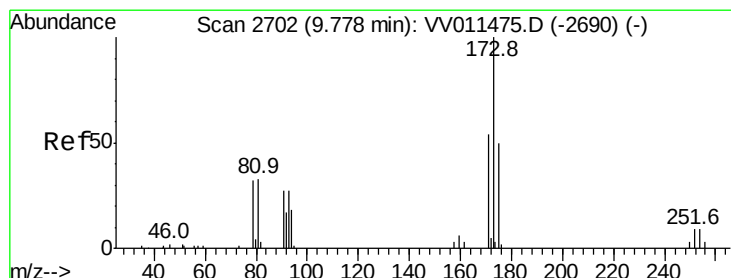
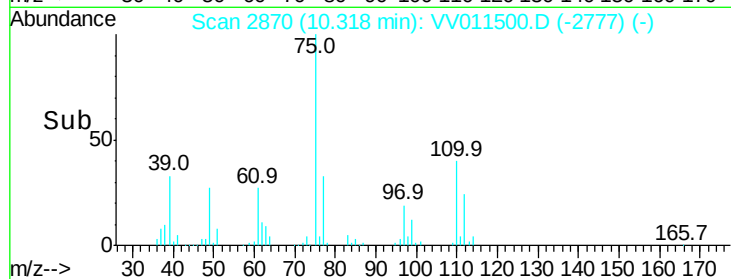
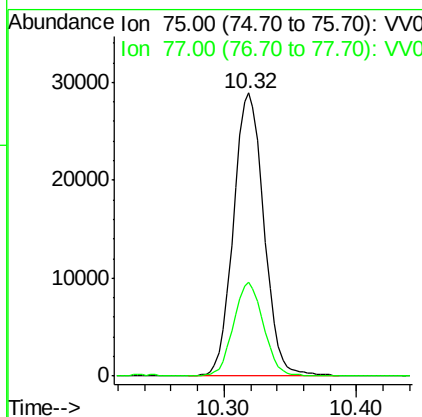
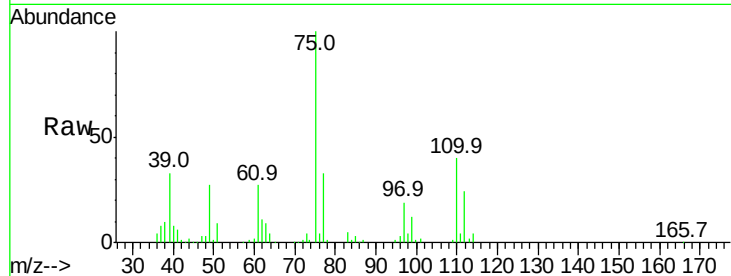




#59
 1,2,3-Trichloropropane
 Concen: 5.778 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

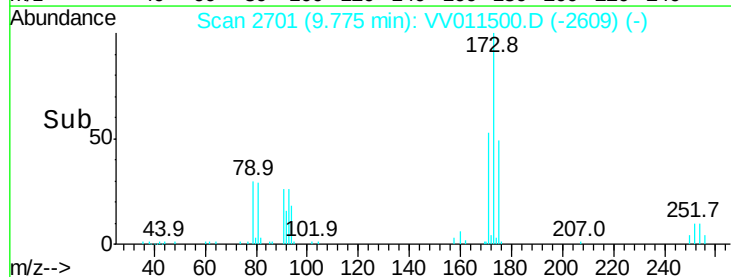
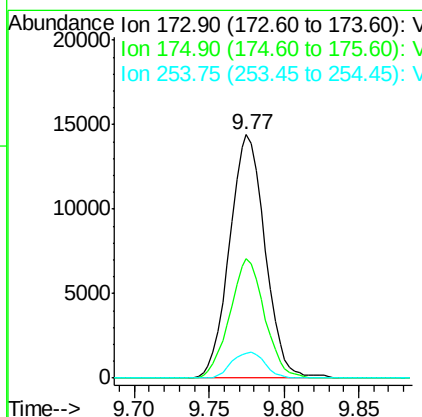
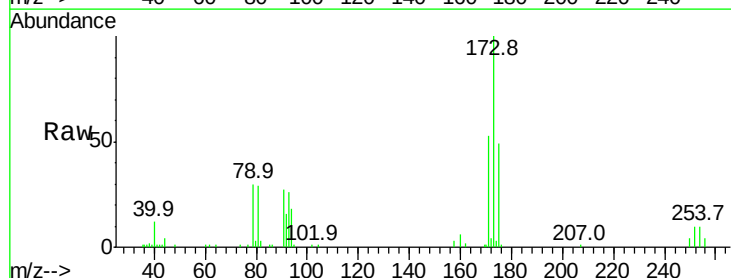
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

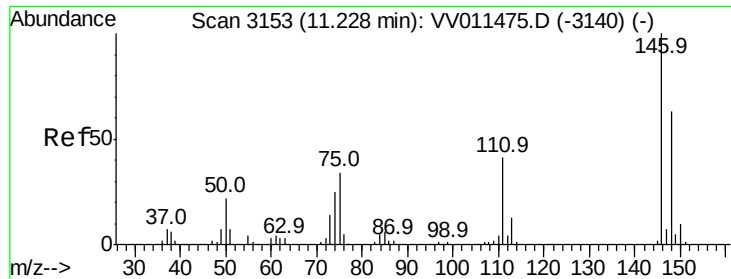
Tgt Ion: 75 Resp: 46163
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.7 40.1



#61
 Bromoform
 Concen: 5.083 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion: 173 Resp: 23796
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.0 55.4
 254 9.9 6.9 10.3

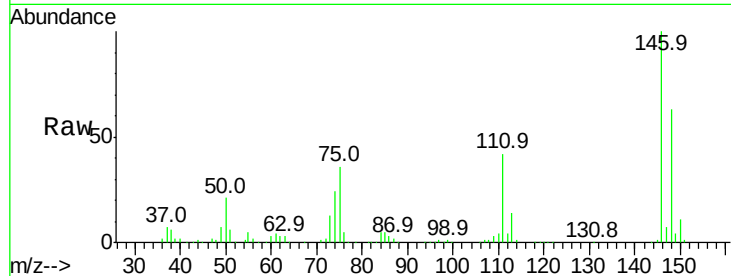




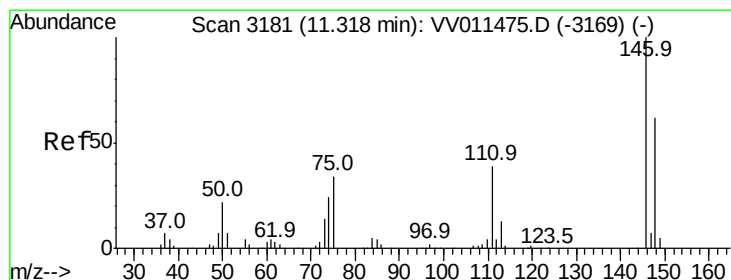
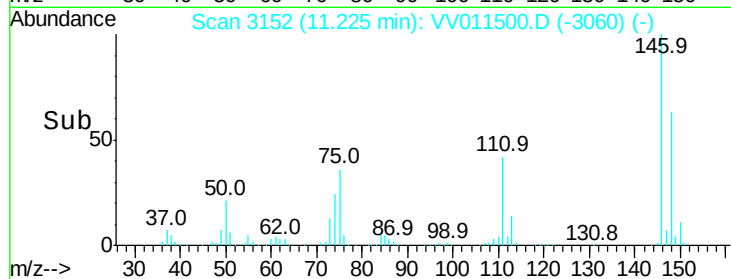
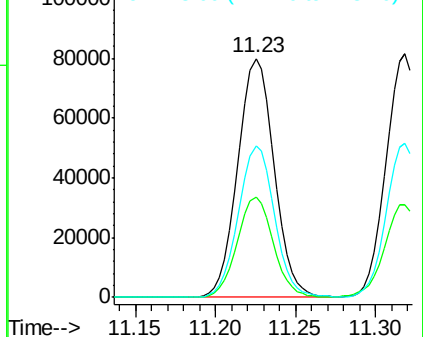
#62
 1,3-Dichlorobenzene
 Concen: 4.810 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:146 Resp: 123958
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.0 53.9
 148 63.3 44.0 81.8

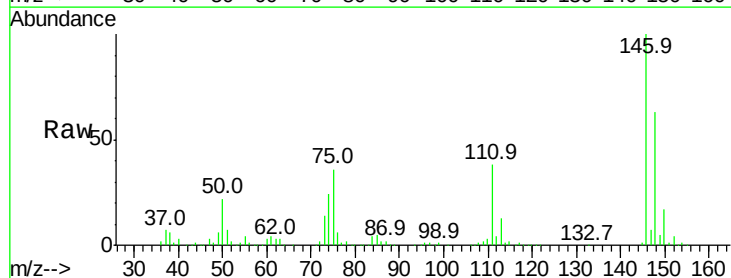


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

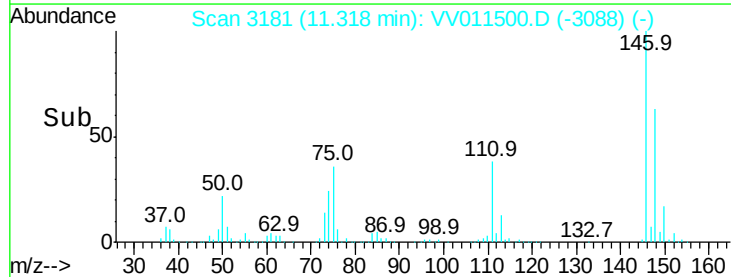
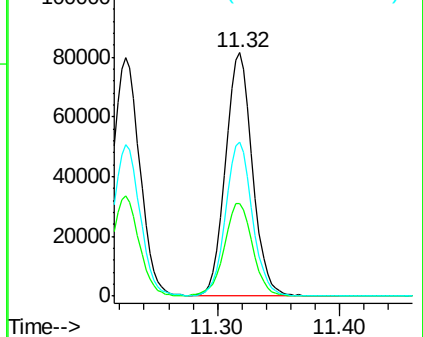


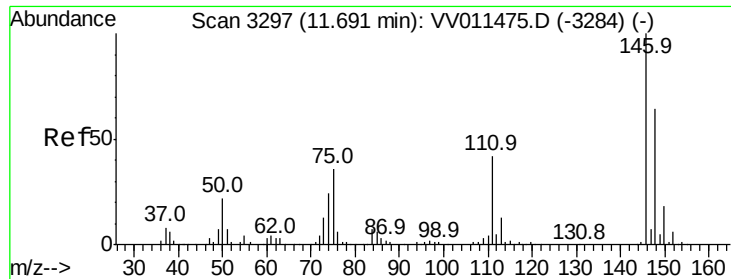
#63
 1,4-Dichlorobenzene
 Concen: 5.068 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion:146 Resp: 126792
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.3 52.5
 148 63.2 44.6 82.8



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

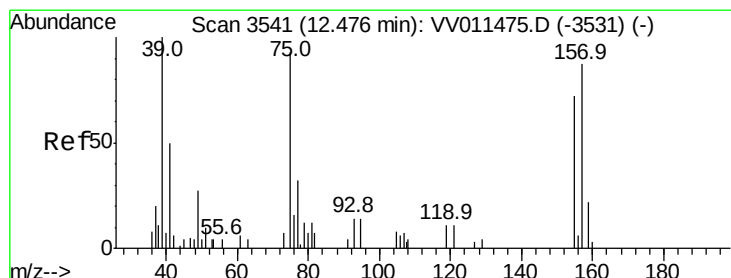
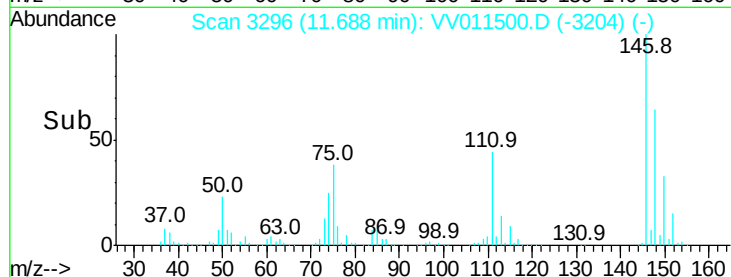
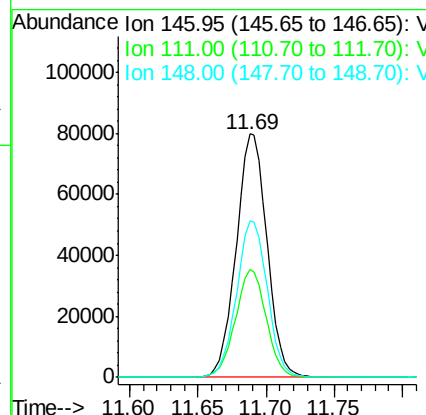
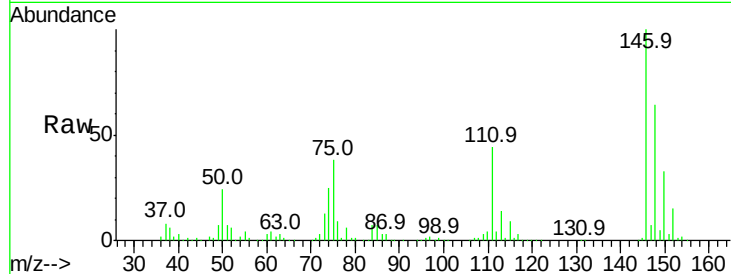




#65
 1,2-Dichlorobenzene
 Concen: 5.250 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

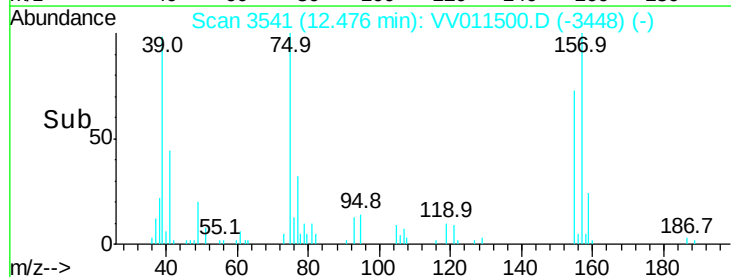
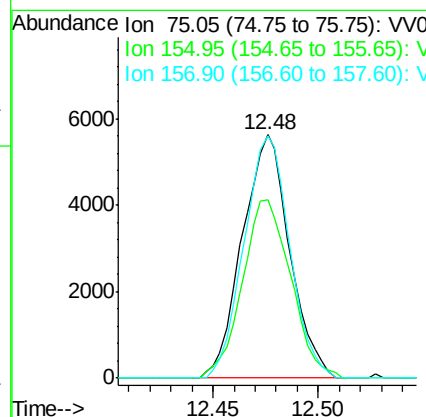
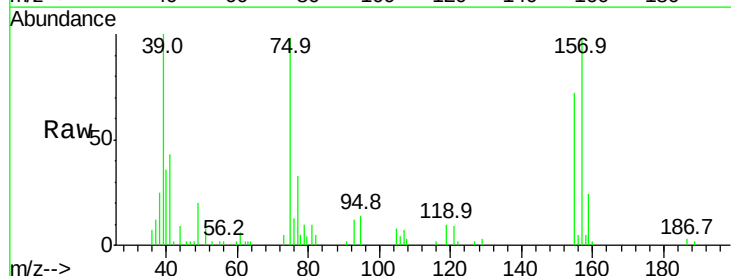
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

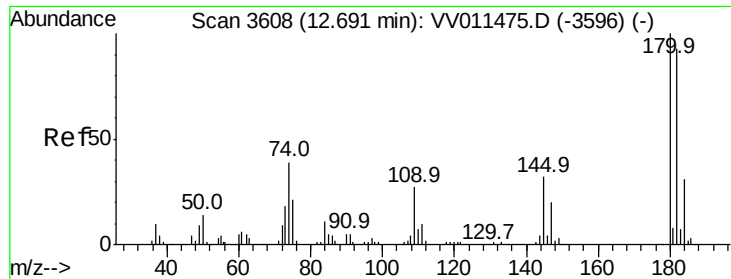
Tgt Ion: 146 Resp: 125060
 Ion Ratio Lower Upper
 146 100
 111 44.1 33.9 50.9
 148 64.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.140 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion: 75 Resp: 8773
 Ion Ratio Lower Upper
 75 100
 155 73.1 64.4 96.6
 157 99.7 66.7 100.1

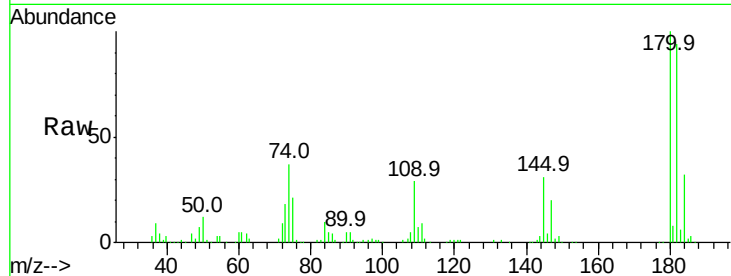




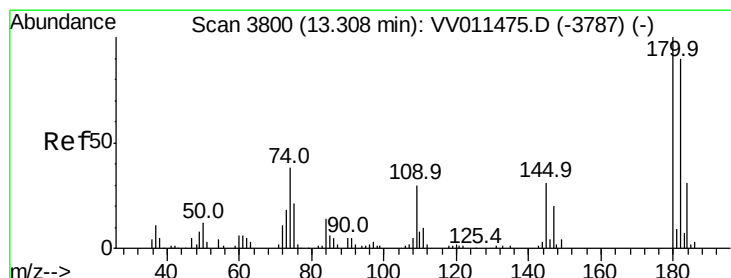
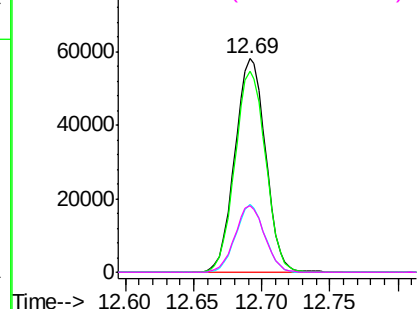
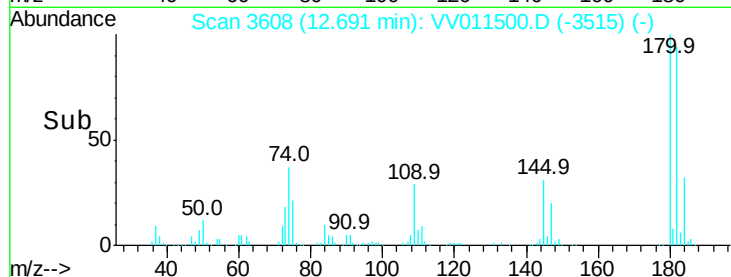
#67
 1,3,5-Trichlorobenzene
 Concen: 4.891 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:180 Resp: 90671
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 184 30.0 23.8 35.8
 145 30.5 24.2 36.2

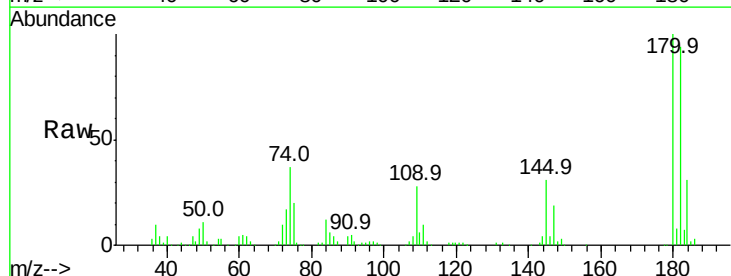


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

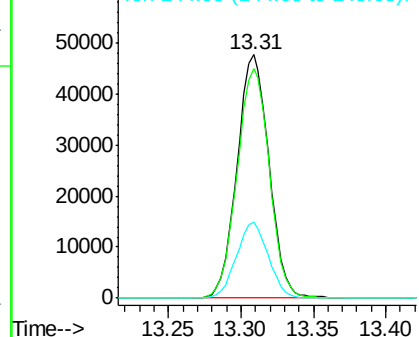
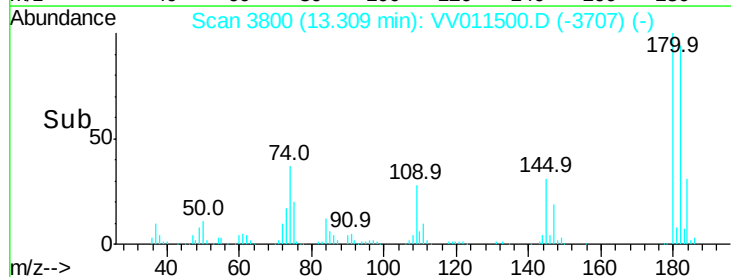


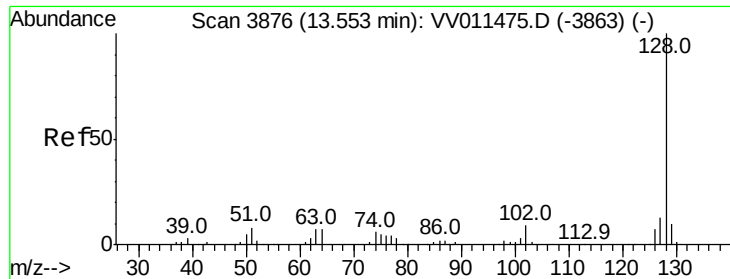
#68
 1,2,4-trichlorobenzene
 Concen: 5.180 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011500.D
 Acq: 14 Jun 2019 17:36

Tgt Ion:180 Resp: 72919
 Ion Ratio Lower Upper
 180 100
 182 95.3 78.8 118.2
 145 30.9 26.3 39.5



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: 6.123 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

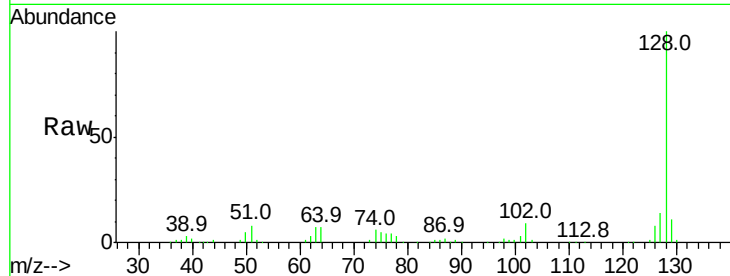
Tgt Ion:128 Resp: 141066

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

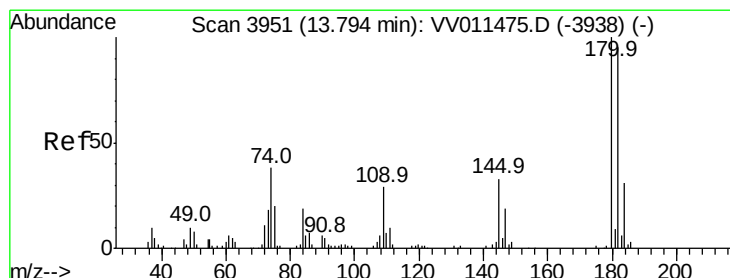
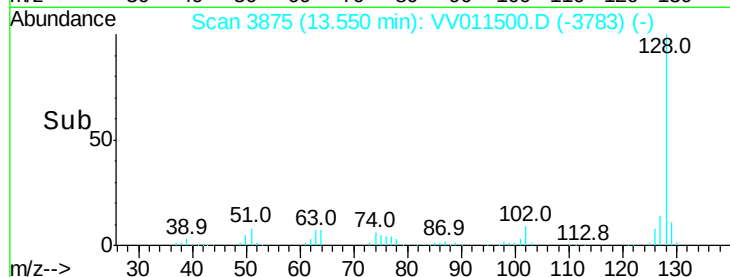
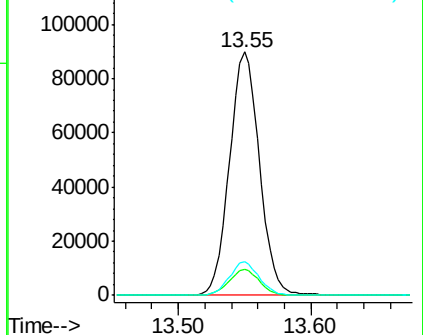
127 13.6 10.5 15.7



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: 5.613 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011500.D

Acq: 14 Jun 2019 17:36

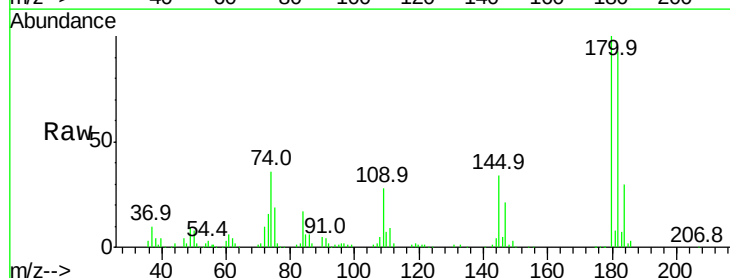
Tgt Ion:180 Resp: 70844

Ion Ratio Lower Upper

180 100

182 95.8 78.6 117.8

145 33.9 26.9 40.3



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

