

Data File : VU036679.D
Acq On : 06 Feb 2020 11:29
Operator : JC/MD
Sample : VSTD00531
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005101

Quant Time: Feb 07 04:31:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 04:29:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	269465	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	252277	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	111227	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	8685	3.60	ug/L	0.00
7) Chloroethane-d5	1.93	69	8304	3.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	16687	4.13	ug/L	0.00
21) 2-Butanone-d5	4.68	46	14702	10.44	ug/L	0.00
24) Chloroform-d	5.11	84	15305	3.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	11096	4.58	ug/L	0.00
32) Benzene-d6	5.76	84	31755	4.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	10515	4.54	ug/L	0.00
41) Toluene-d8	7.93	98	28747	4.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	4773	4.33	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	10598	10.63	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	14694	4.41	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	10095	4.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	9465	3.746 ug/L	100
3) Chloromethane	1.54	50	11220	4.177 ug/L	99
5) Vinyl chloride	1.62	62	12336	4.255 ug/L	99
6) Bromomethane	1.87	94	7879	3.916 ug/L	89
8) Chloroethane	1.95	64	8288	3.964 ug/L	89
9) Trichlorofluoromethane	2.16	101	14483	3.924 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	8855	4.778 ug/L	98
12) 1,1-Dichloroethene	2.61	96	8397	4.566 ug/L	92
13) Acetone	2.66	43	19691	14.432 ug/L	99
14) Carbon disulfide	2.82	76	24926	4.340 ug/L	98
15) Methyl Acetate	2.99	43	11787	5.274 ug/L	100
16) Methylene chloride	3.08	84	10984	5.199 ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	8873	4.641 ug/L	98
18) Methyl tert-butyl Ether	3.41	73	31557	5.392 ug/L	99
19) 1,1-Dichloroethane	3.91	63	17901	4.835 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	9870	4.659 ug/L	98
22) 2-Butanone	4.76	43	20543	12.471 ug/L	96
23) Bromochloromethane	5.02	128	4748	4.432 ug/L	97
25) Chloroform	5.13	83	17601	4.601 ug/L	99
27) 1,2-Dichloroethane	5.84	62	14786	4.944 ug/L	100
29) Cyclohexane	5.43	56	16953	5.947 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	13586	4.474 ug/L	96
31) Carbon tetrachloride	5.57	117	11300	4.258 ug/L	99
33) Benzene	5.81	78	39635	5.146 ug/L	100
34) Trichloroethene	6.58	95	9491	4.692 ug/L	91
35) Methylcyclohexane	6.80	83	17572	5.817 ug/L	99
37) 1,2-Dichloropropane	6.83	63	10574	5.033 ug/L	# 96
38) Bromodichloromethane	7.14	83	12450	4.634 ug/L	# 95
39) cis-1,3-Dichloropropene	7.64	75	15733	5.024 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	31775	11.542 ug/L	99

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42) Toluene	8.00	91	42419	5.219	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	13613	4.790	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	9635	4.875	ug/L	97
46) Tetrachloroethene	8.58	164	7194	4.660	ug/L	96
48) 2-Hexanone	8.72	43	26693	12.590	ug/L	98
49) Dibromochloromethane	8.84	129	8956	4.161	ug/L	100
50) 1,2-Dibromoethane	8.95	107	9775	4.742	ug/L	96
51) Chlorobenzene	9.47	112	25801	4.926	ug/L	98
52) Ethylbenzene	9.60	91	45937	5.328	ug/L	99
53) m,p-Xylene	9.72	106	16398	5.121	ug/L	96
54) o-xylene	10.12	106	16784	5.323	ug/L	95
55) Styrene	10.14	104	25475	4.785	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.81	83	16455	4.905	ug/L	98
59) Bromoform	10.32	173	5877	4.210	ug/L #	98
60) 1,2,3-Trichloropropane	10.85	75	14101	6.060	ug/L	98
61) Isopropylbenzene	10.51	105	43266	6.058	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	36220	6.211	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	36358	6.295	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	17652	5.110	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	18264	5.173	ug/L	97
67) 1,2-Dichlorobenzene	12.23	146	18652	5.309	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	3583	5.471	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.23	180	11977	4.665	ug/L	98
70) 1,2,4-trichlorobenzene	13.85	180	8768	4.136	ug/L	100
71) Naphthalene	14.10	128	26094	3.994	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	8904	4.066	ug/L	96

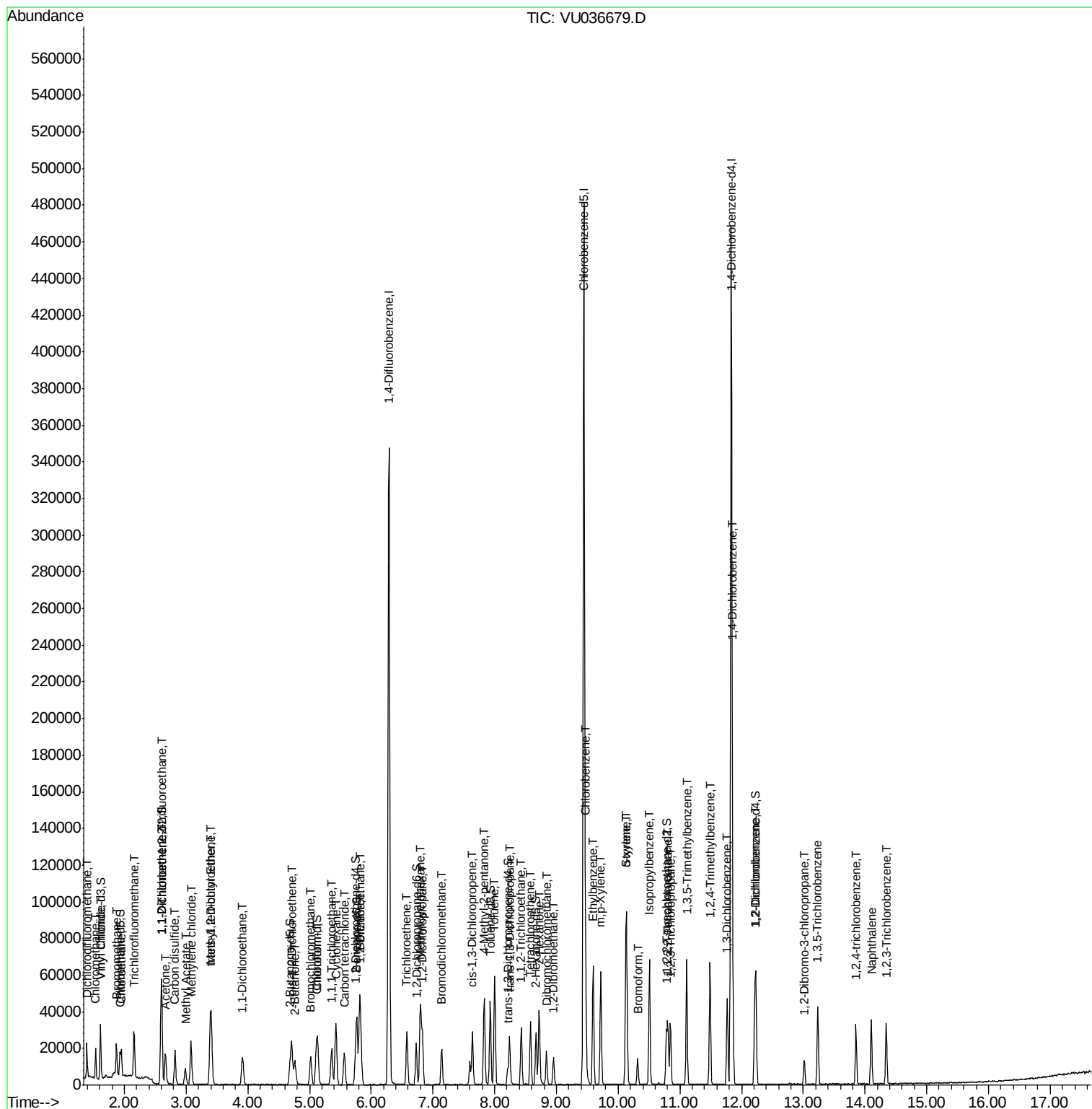
(#) = qualifier out of range (m) = manual integration (+) = signals summed

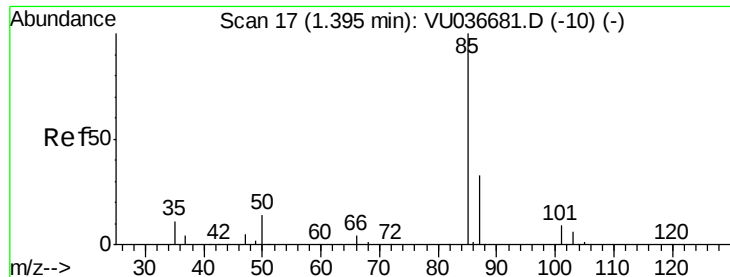
Data File : VU036679.D

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#2

Dichlorodifluoromethane

Concen: 3.746 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

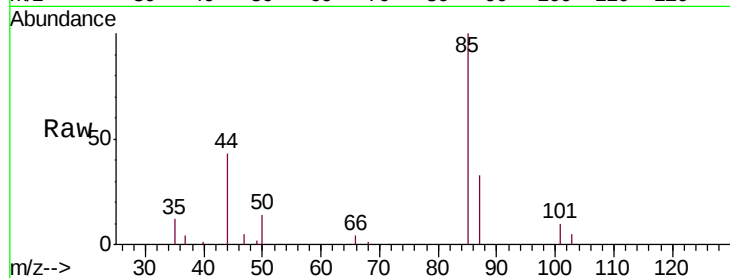
VSTD005101

Tgt Ion: 85 Resp: 9465

Ion Ratio Lower Upper

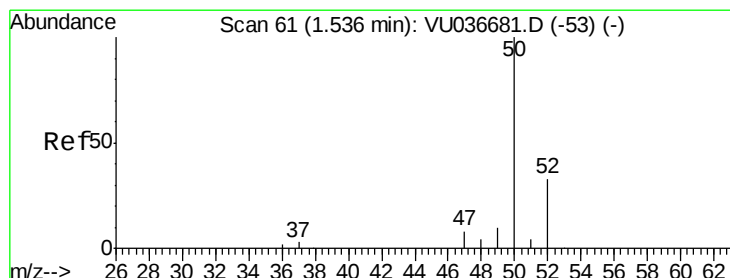
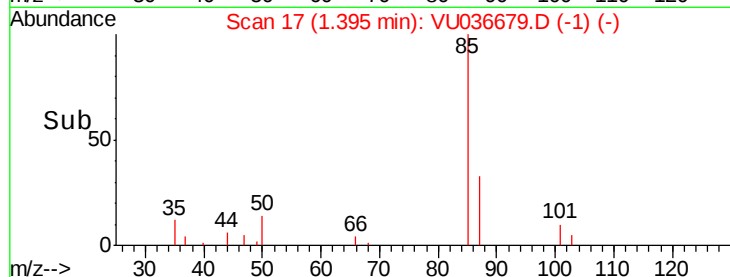
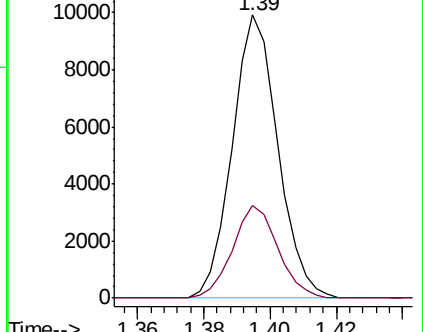
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036681.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036681.D (-10) (-)



#3

Chloromethane

Concen: 4.177 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036679.D

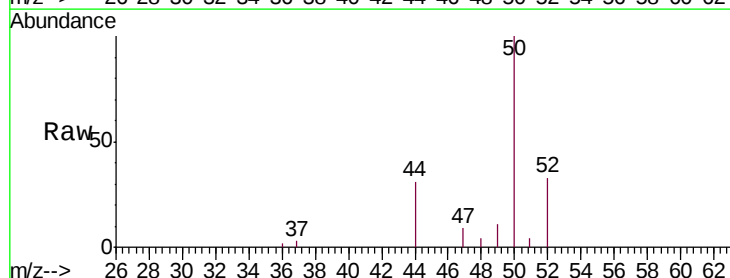
Acq: 06 Feb 2020 11:29

Tgt Ion: 50 Resp: 11220

Ion Ratio Lower Upper

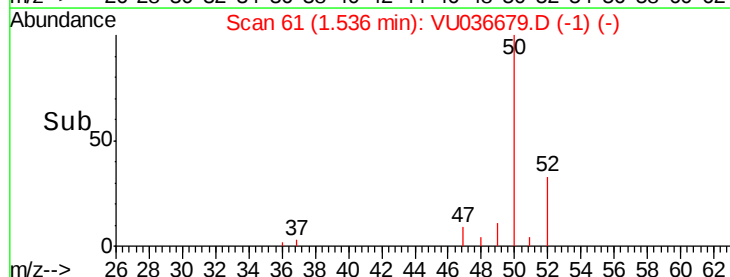
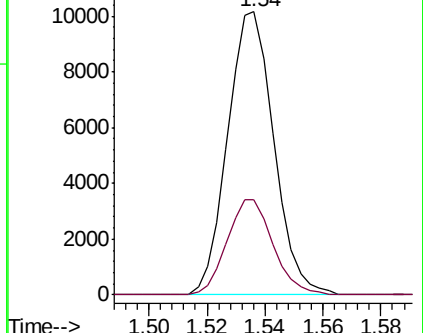
50 100

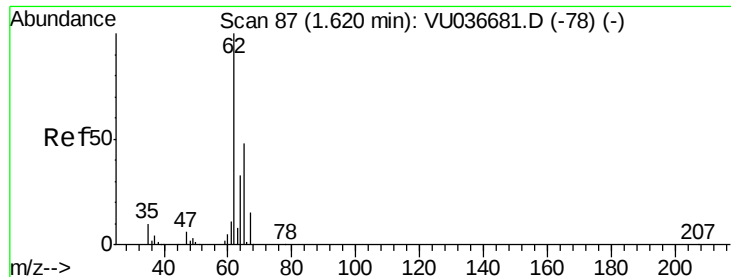
52 33.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036681.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036681.D (-53) (-)





#5

Vinyl chloride

Concen: 4.255 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

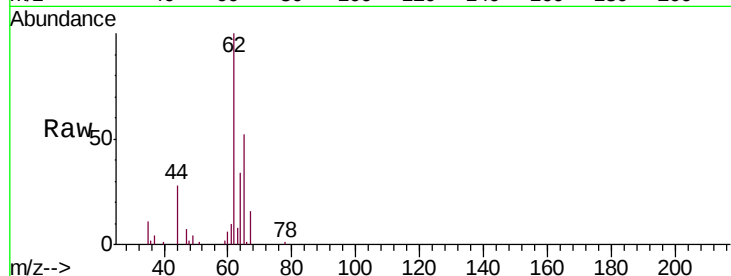
VSTD005101

Tgt Ion: 62 Resp: 12336

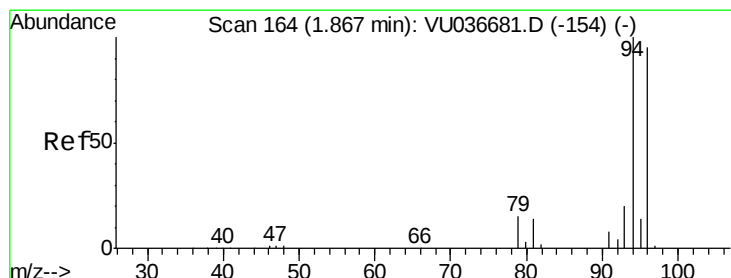
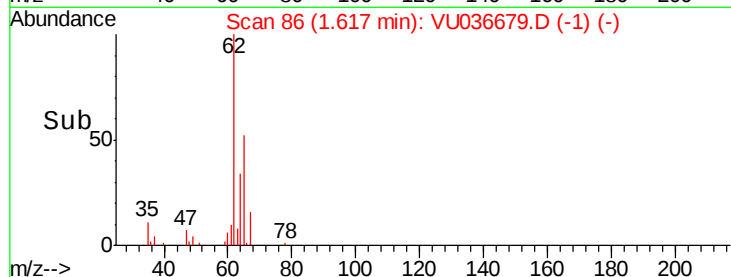
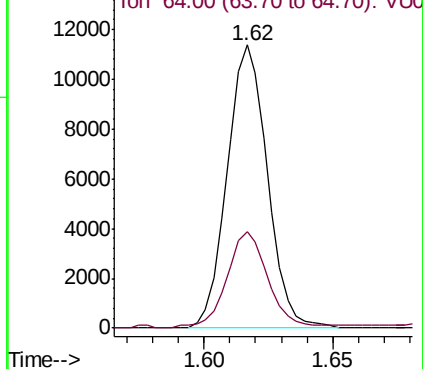
Ion Ratio Lower Upper

62 100

64 34.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036681.D (-78) (-)



#6

Bromomethane

Concen: 3.916 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036679.D

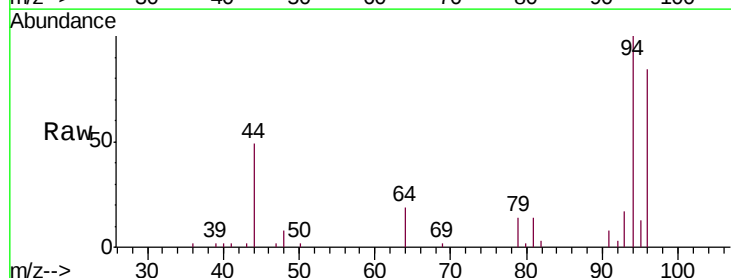
Acq: 06 Feb 2020 11:29

Tgt Ion: 94 Resp: 7879

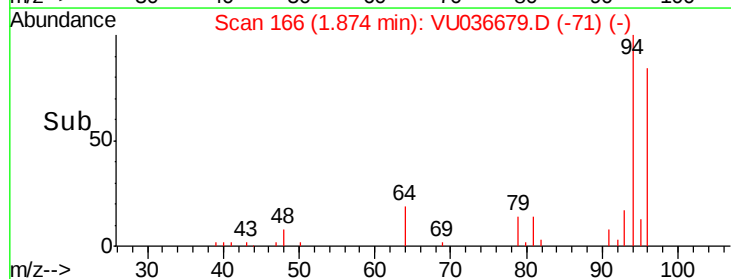
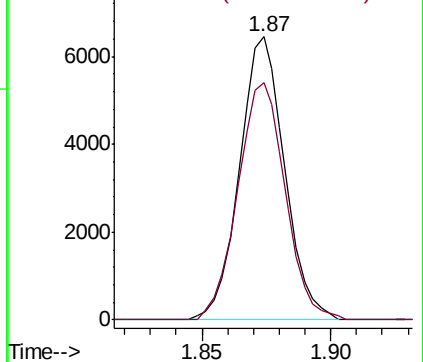
Ion Ratio Lower Upper

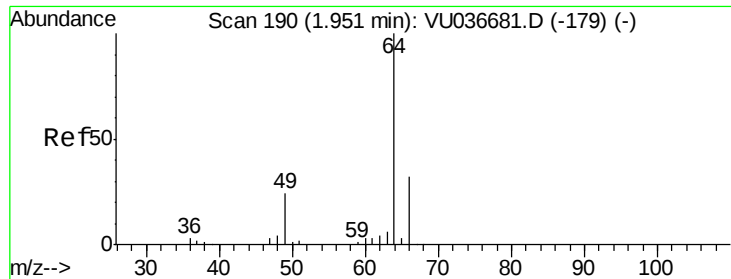
94 100

96 84.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036681.D (-154) (-)

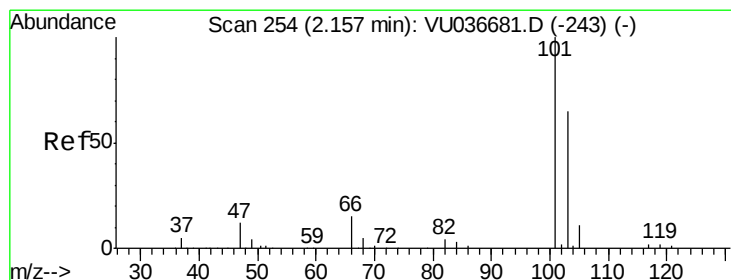
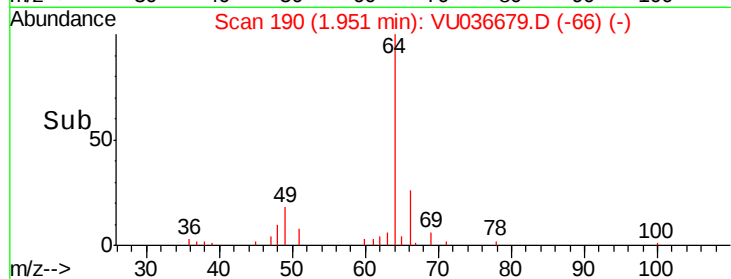
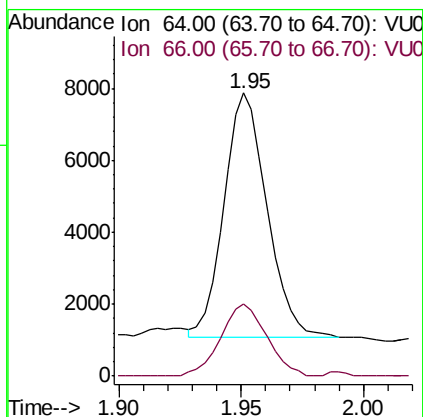
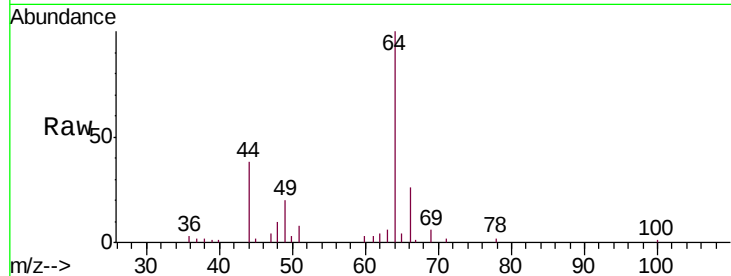




#8
Chloroethane
Concen: 3.964 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

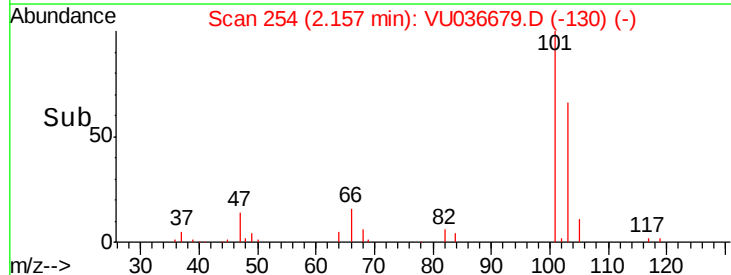
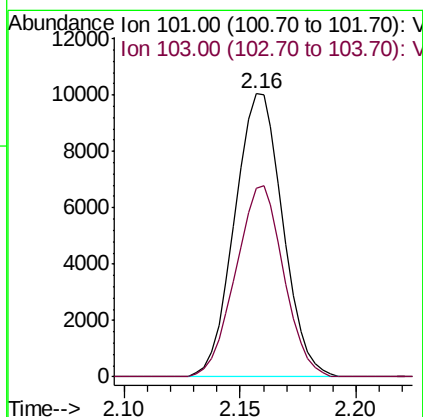
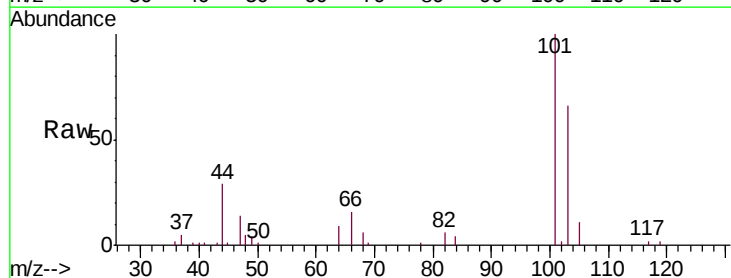
Instrument :
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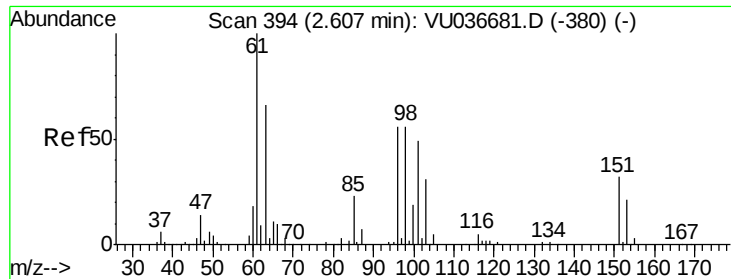
Tgt Ion: 64 Resp: 8288
Ion Ratio Lower Upper
64 100
66 25.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 3.924 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Tgt Ion: 101 Resp: 14483
Ion Ratio Lower Upper
101 100
103 67.4 51.6 77.4





#10

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

Concen: 4.778 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD005101

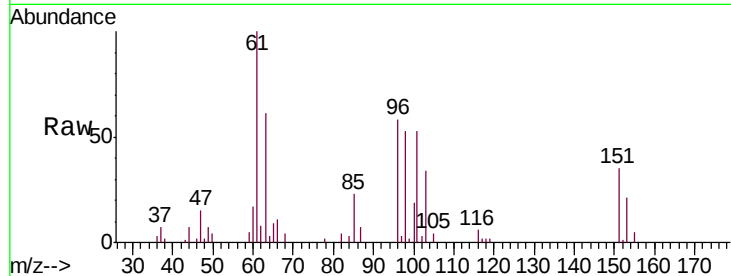
Tgt Ion: 101 Resp: 8855

Ion Ratio Lower Upper

101 100

85 43.8 36.5 54.7

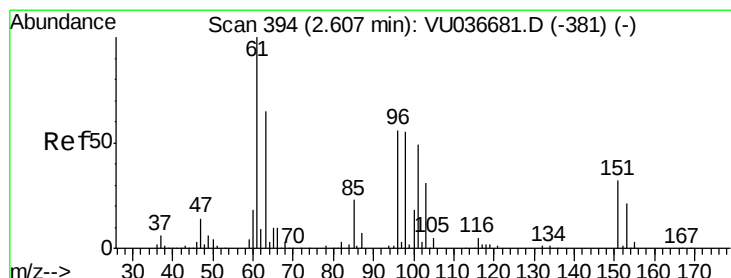
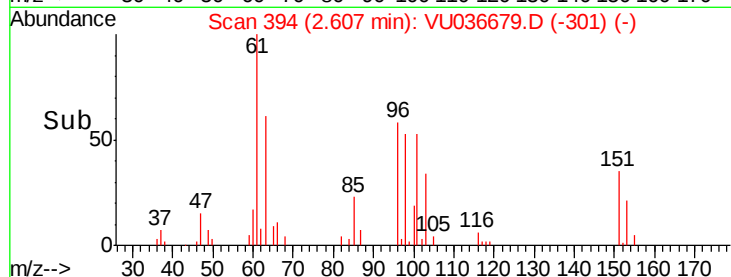
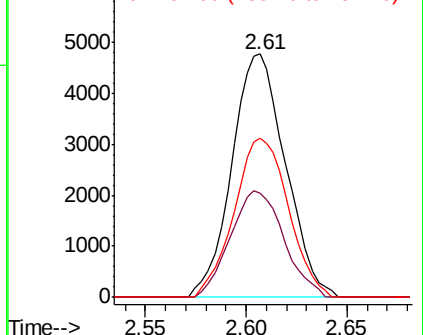
151 66.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.566 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

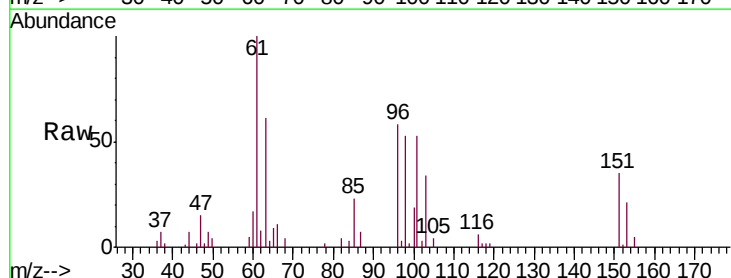
Tgt Ion: 96 Resp: 8397

Ion Ratio Lower Upper

96 100

61 171.2 124.4 231.0

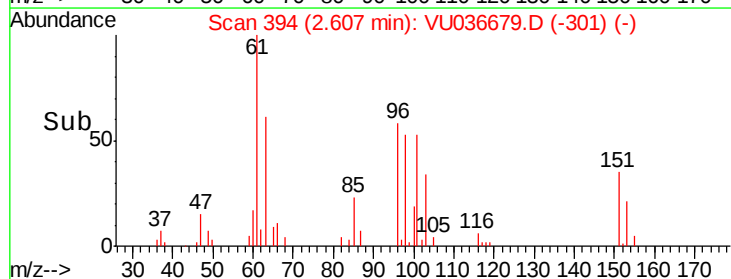
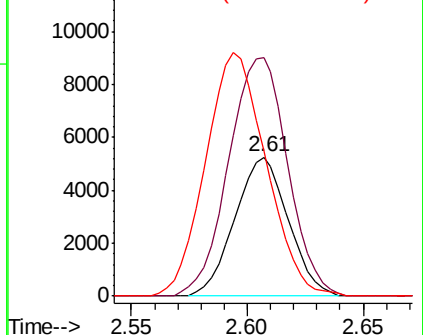
63 104.6 83.4 155.0

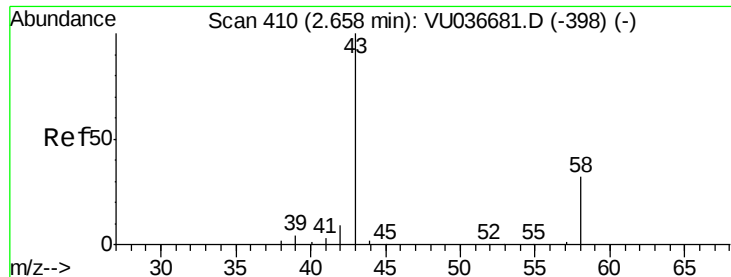


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 14.432 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

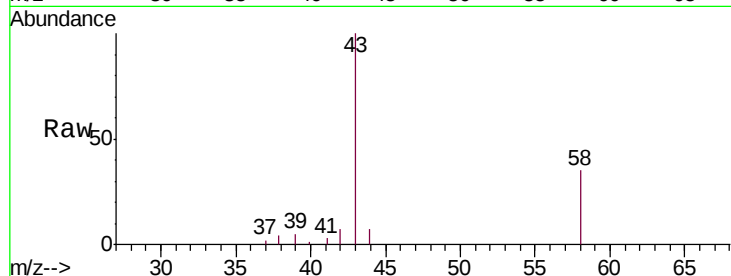
VSTD005101

Tgt Ion: 43 Resp: 19691

Ion Ratio Lower Upper

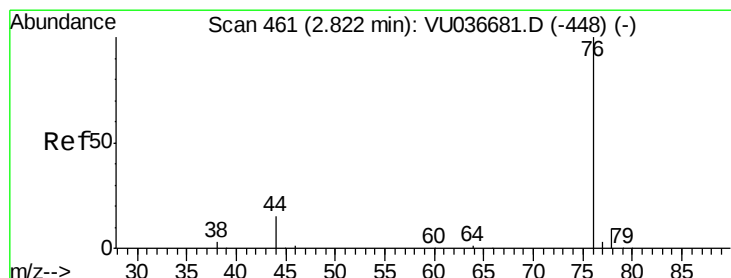
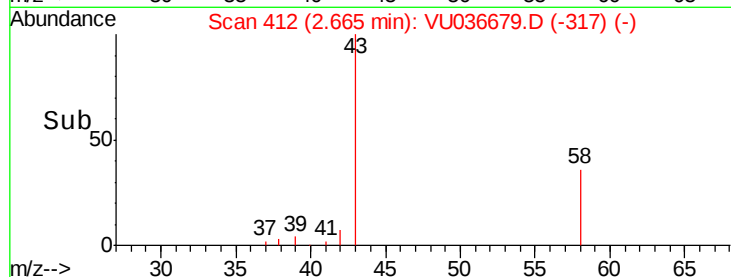
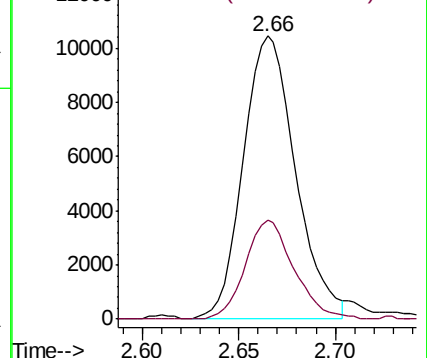
43 100

58 32.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036679.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU036679.D (-317) (-)



#14

Carbon disulfide

Concen: 4.340 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036679.D

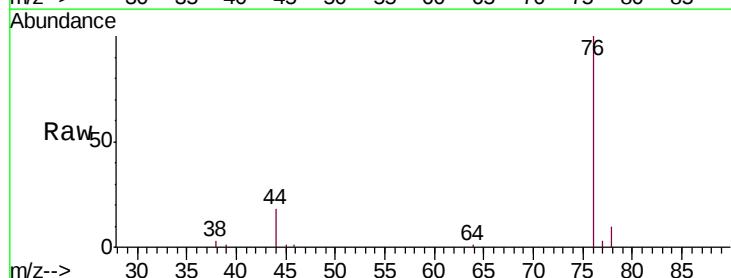
Acq: 06 Feb 2020 11:29

Tgt Ion: 76 Resp: 24926

Ion Ratio Lower Upper

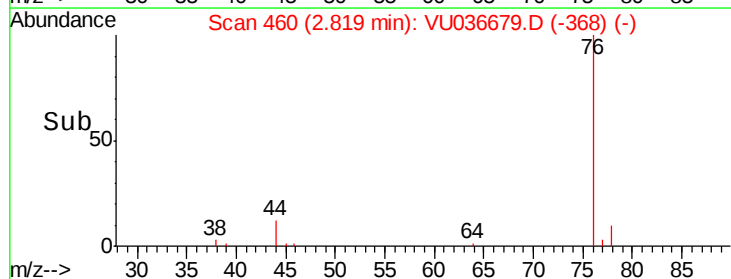
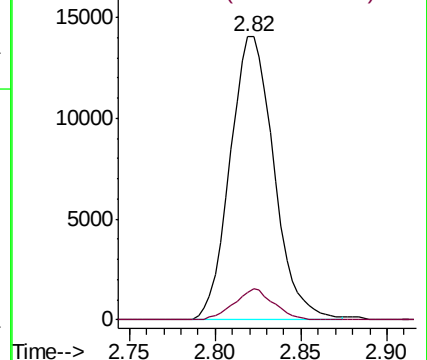
76 100

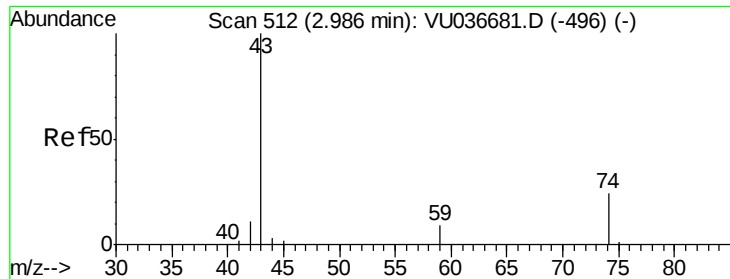
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036679.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036679.D (-368) (-)

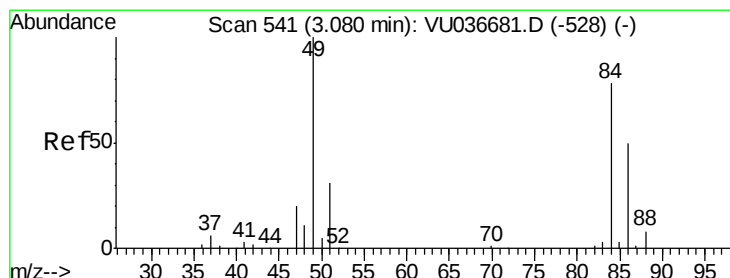
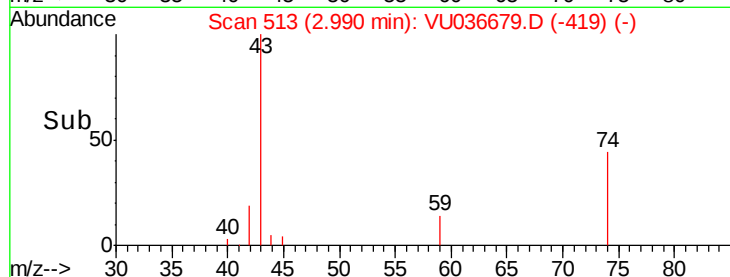
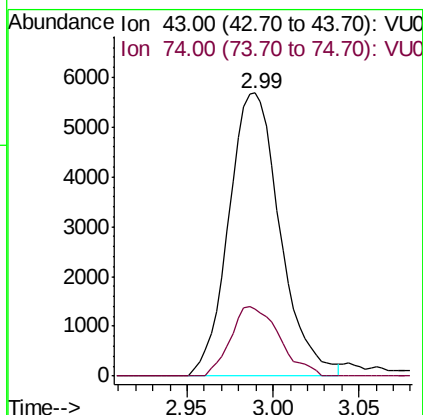
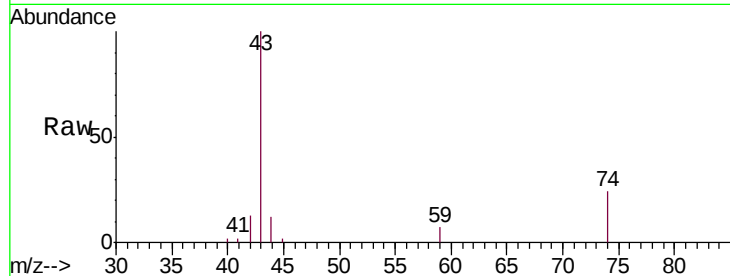




#15
Methyl Acetate
Concen: 5.274 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

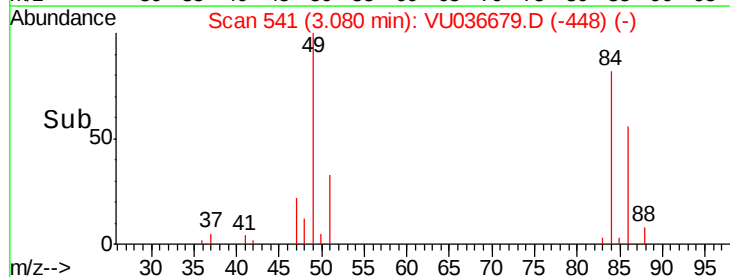
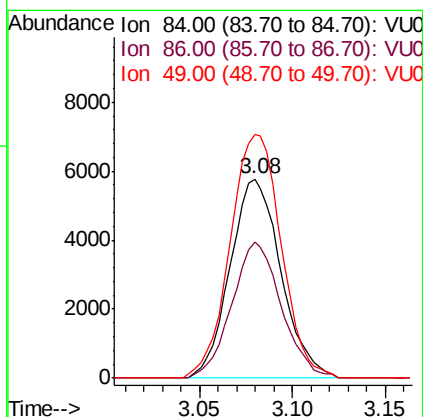
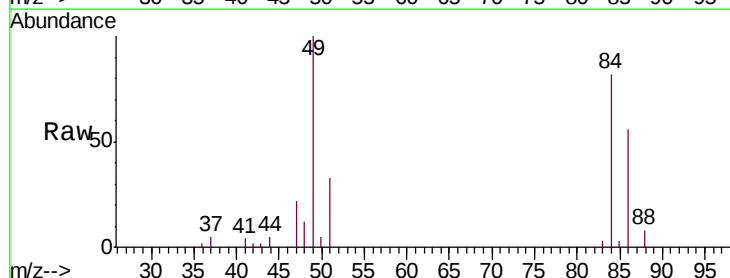
Instrument :
MSVOA_U
ClientSampleId :
VSTD005101

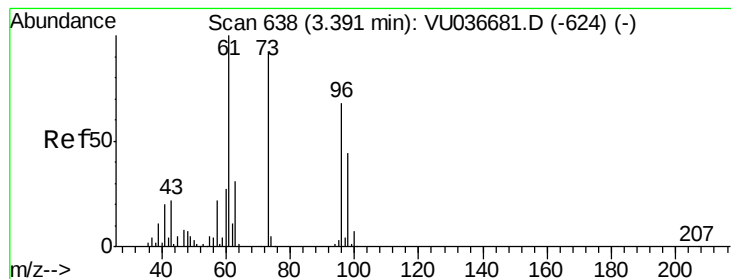
Tgt Ion: 43 Resp: 11787
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 5.199 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Tgt Ion: 84 Resp: 10984
Ion Ratio Lower Upper
84 100
86 68.7 44.4 82.5
49 122.4 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 4.641 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD005101

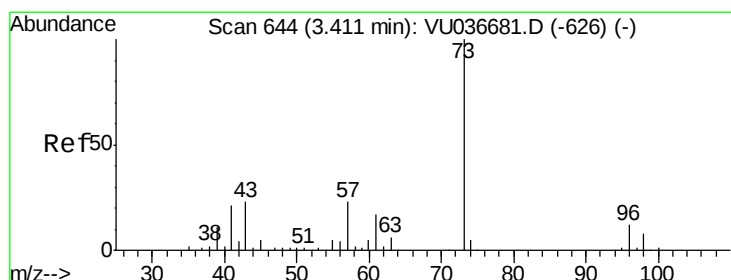
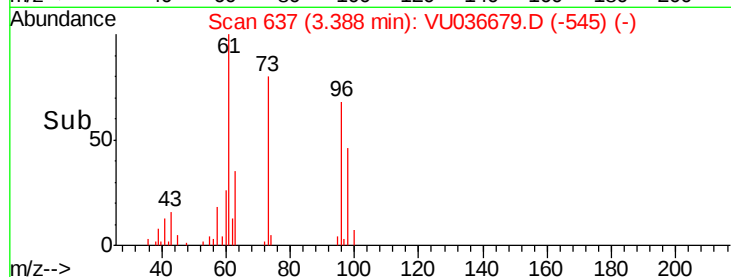
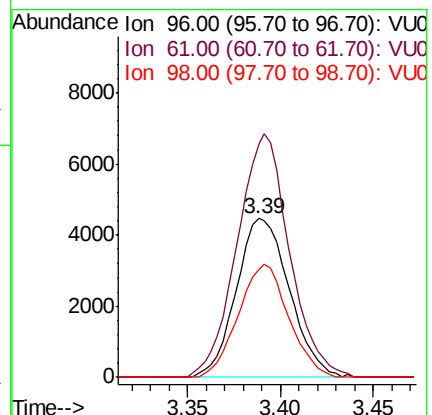
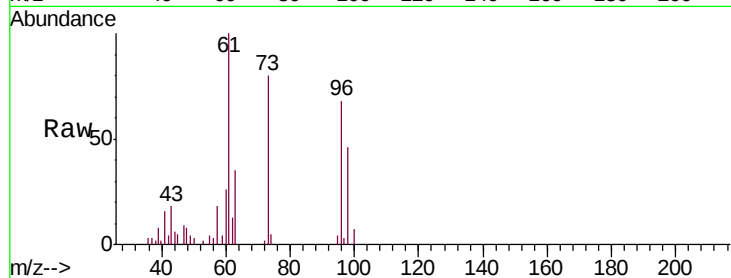
Tgt Ion: 96 Resp: 8873

Ion Ratio Lower Upper

96 100

61 146.9 103.4 192.0

98 68.1 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 5.392 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

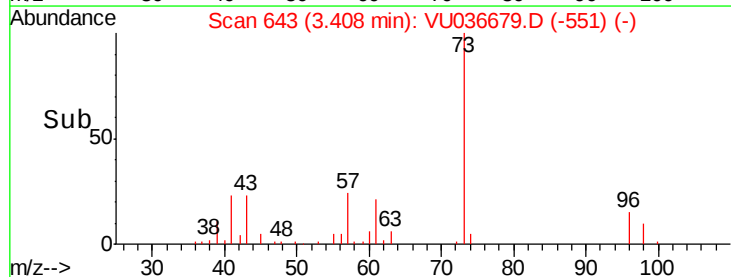
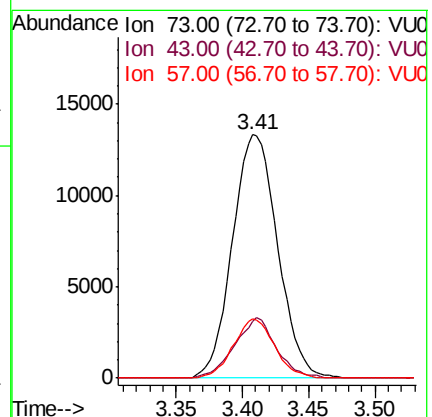
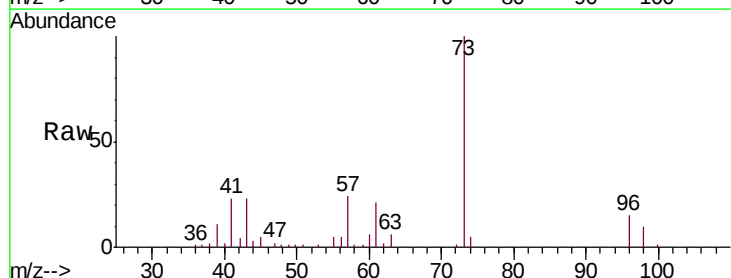
Tgt Ion: 73 Resp: 31557

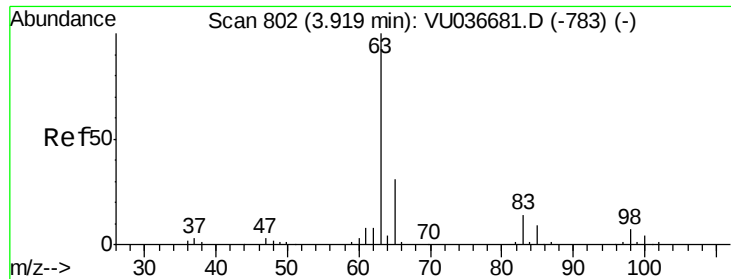
Ion Ratio Lower Upper

73 100

43 22.7 18.6 28.0

57 22.2 18.3 27.5

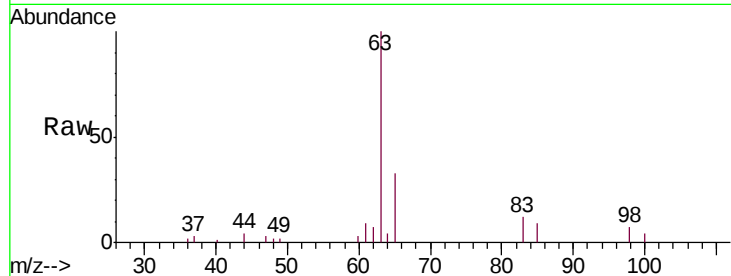




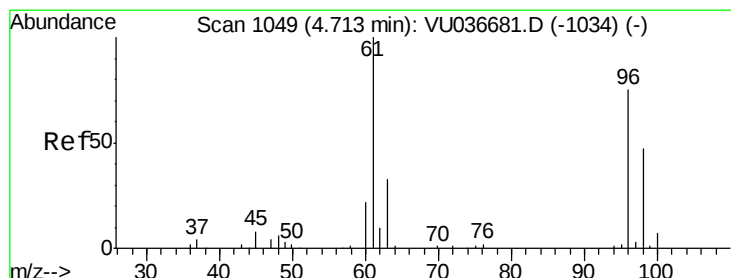
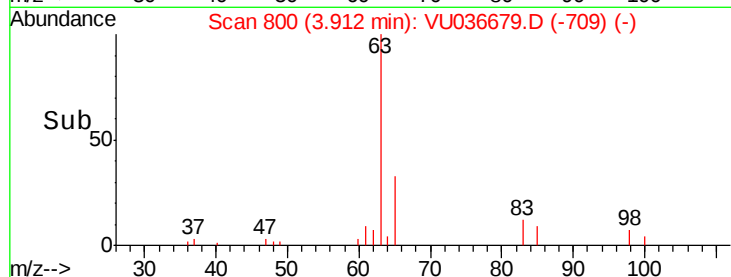
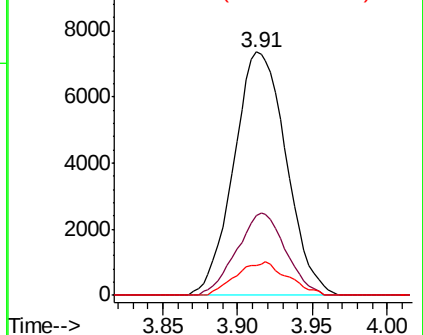
#19
 1,1-Dichloroethane
 Concen: 4.835 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

Tgt Ion: 63 Resp: 17901
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.0 40.8
 83 12.0 10.1 18.7

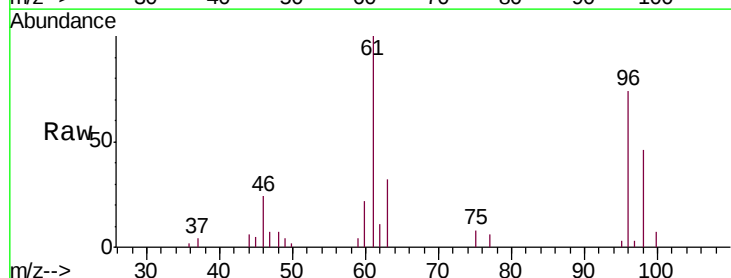


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

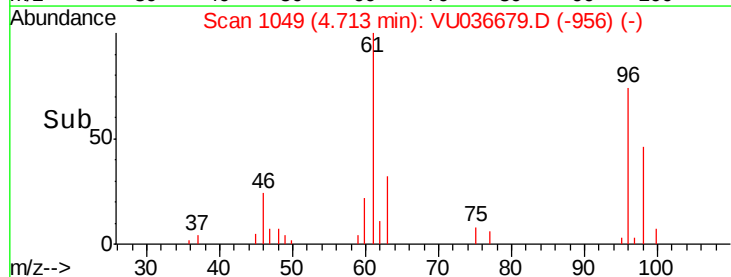
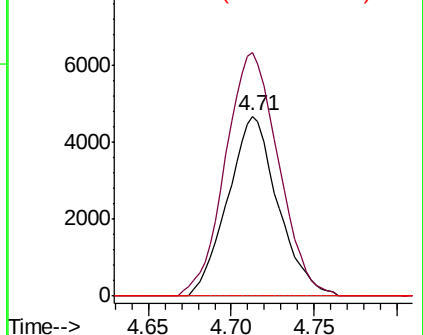


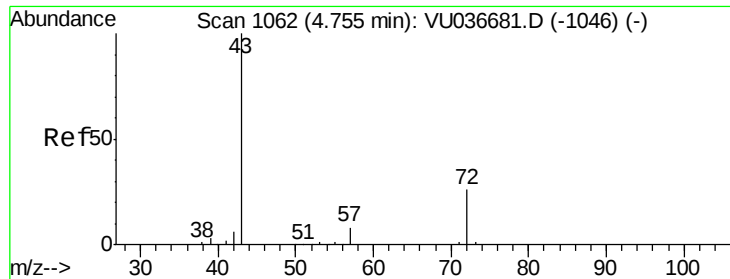
#20
 cis-1,2-Dichloroethene
 Concen: 4.659 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion: 96 Resp: 9870
 Ion Ratio Lower Upper
 96 100
 61 135.3 93.3 173.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 12.471 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

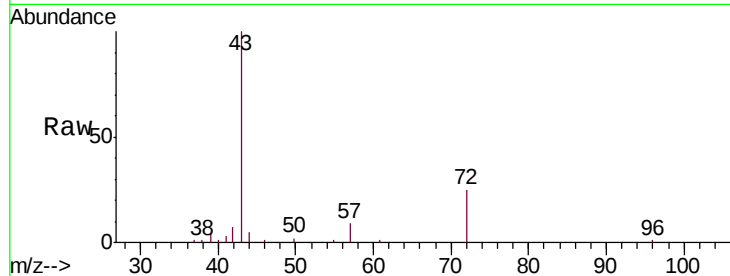
VSTD005101

Tgt Ion: 43 Resp: 20543

Ion Ratio Lower Upper

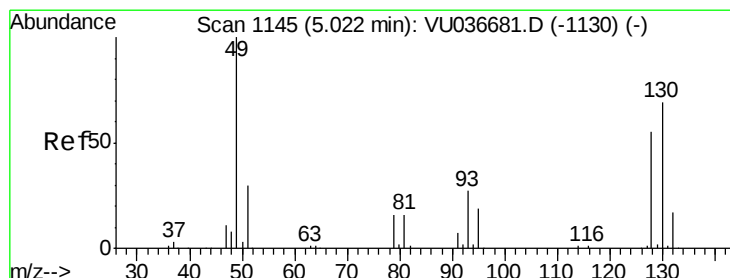
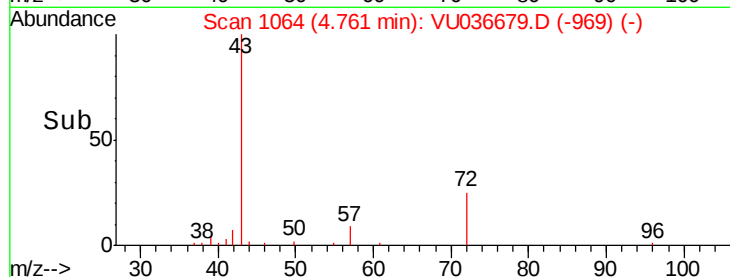
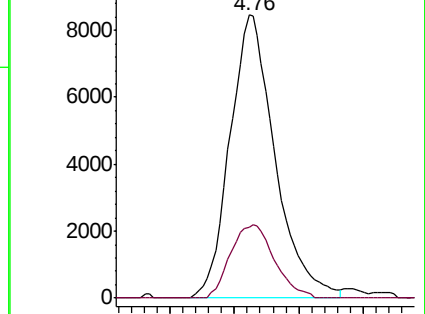
43 100

72 25.1 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036679.D (-1064) (-)

Ion 72.00 (71.70 to 72.70): VU036679.D (-1064) (-)



#23

Bromochloromethane

Concen: 4.432 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Tgt Ion: 128 Resp: 4748

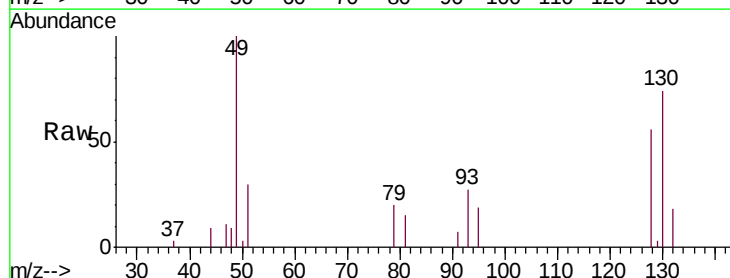
Ion Ratio Lower Upper

128 100

49 179.5 127.3 236.5

130 133.7 88.5 164.3

51 54.6 44.4 66.6

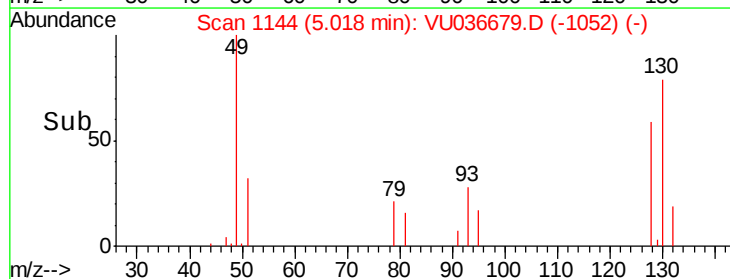
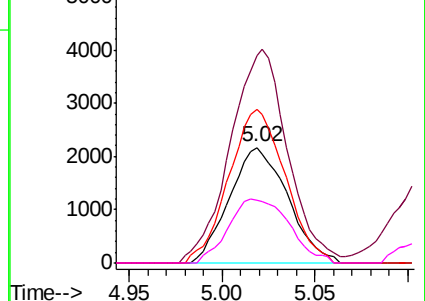


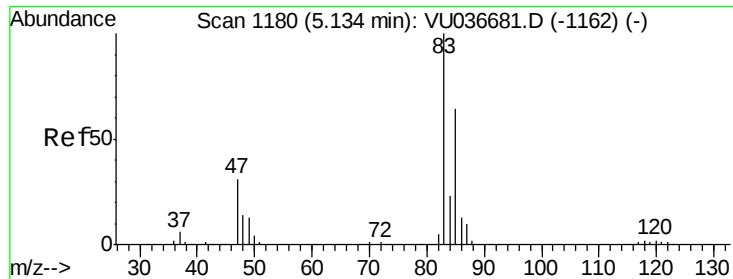
Abundance Ion 128.00 (127.70 to 128.70): VU036679.D (-1144) (-)

Ion 49.00 (48.70 to 49.70): VU036679.D (-1144) (-)

Ion 130.00 (129.70 to 130.70): VU036679.D (-1144) (-)

Ion 51.00 (50.70 to 51.70): VU036679.D (-1144) (-)

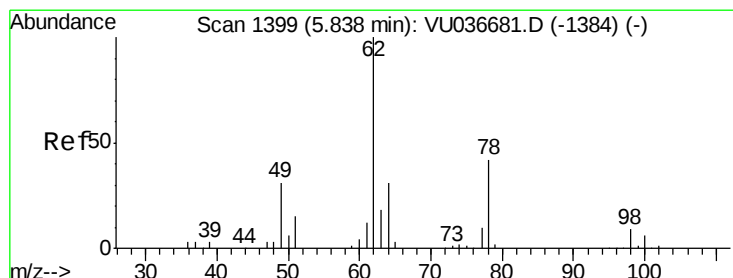
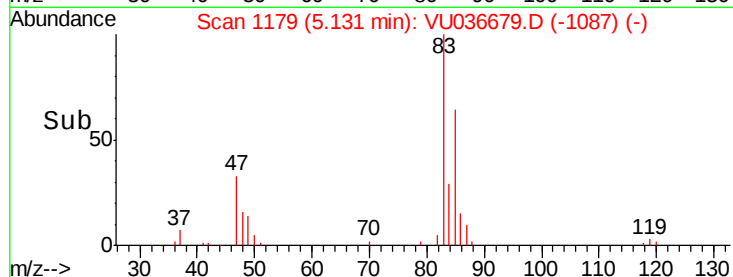
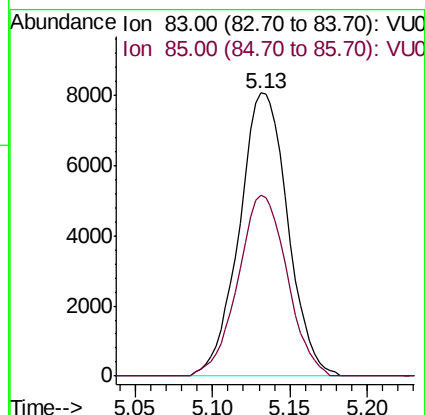
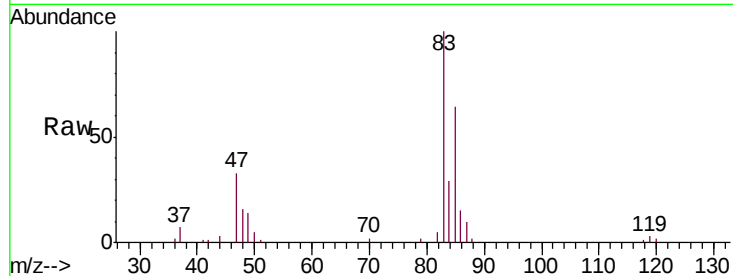




#25
Chloroform
Concen: 4.601 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

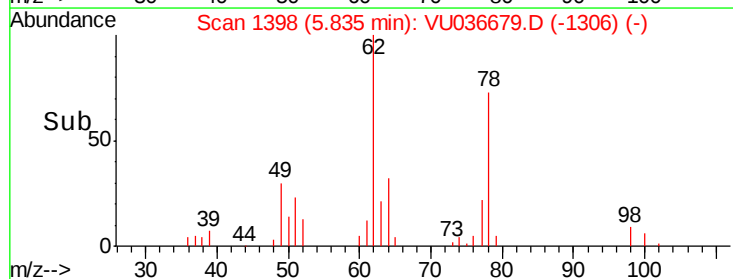
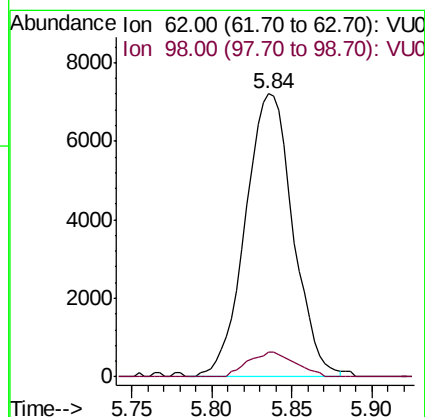
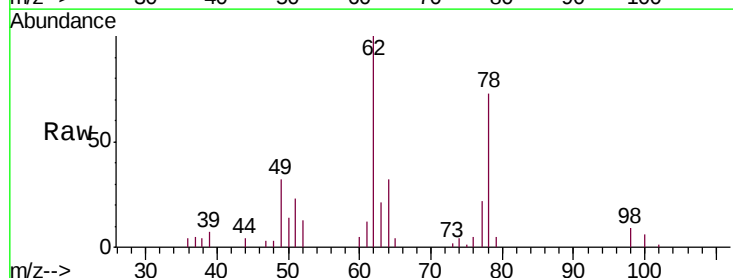
Instrument :
MSVOA_U
ClientSampleId :
VSTD005101

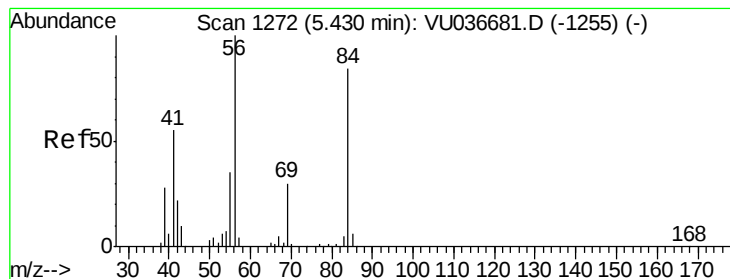
Tgt Ion: 83 Resp: 17601
Ion Ratio Lower Upper
83 100
85 64.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.944 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Tgt Ion: 62 Resp: 14786
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4





#29

Cyclohexane

Concen: 5.947 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD005101

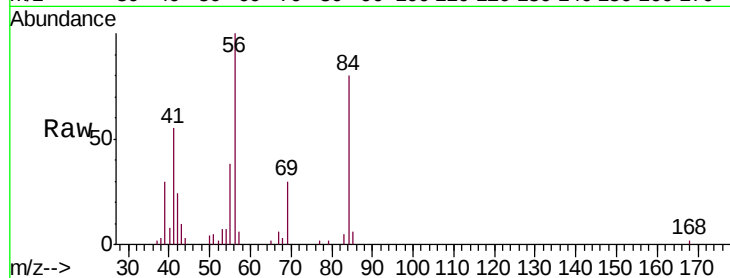
Tgt Ion: 56 Resp: 16953

Ion Ratio Lower Upper

56 100

69 31.5 25.0 37.4

84 83.7 68.2 102.2

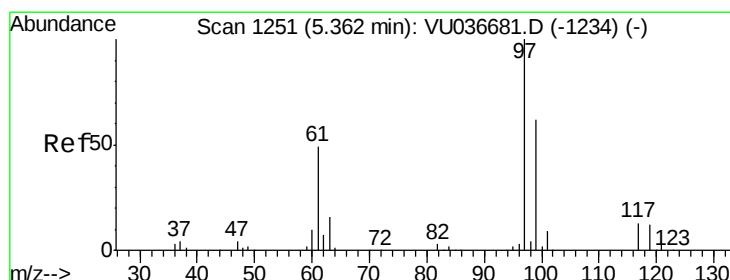
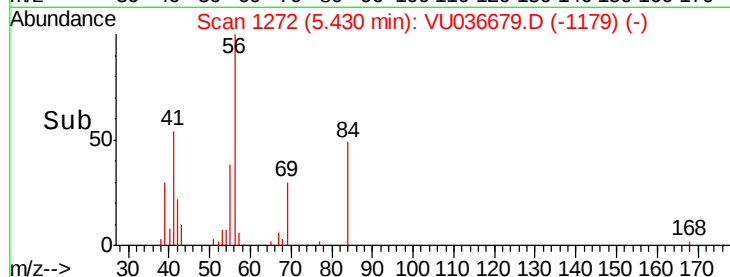
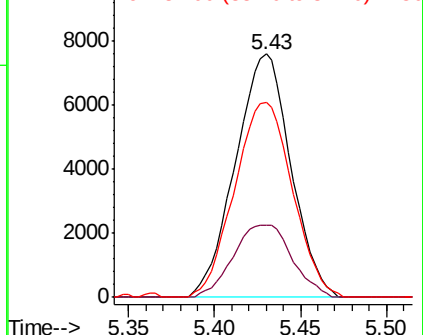


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 4.474 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

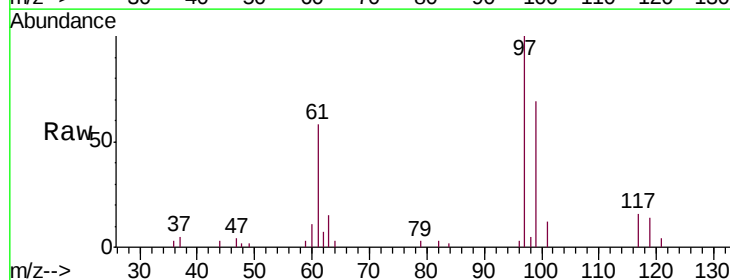
Tgt Ion: 97 Resp: 13586

Ion Ratio Lower Upper

97 100

99 66.5 50.9 76.3

61 53.1 40.2 60.2

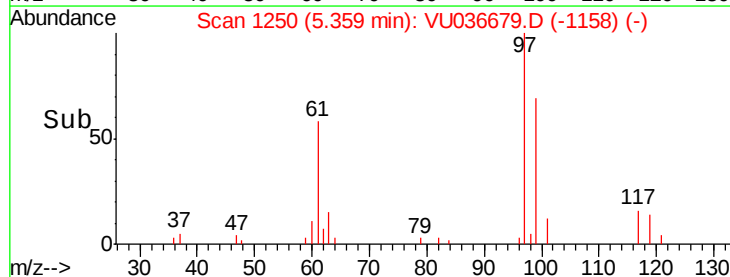
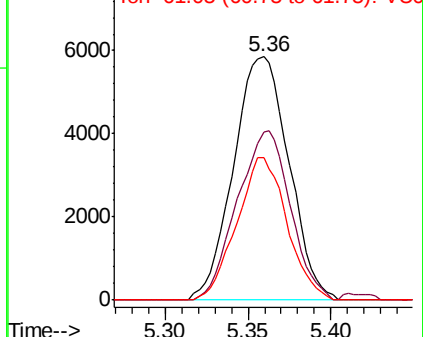


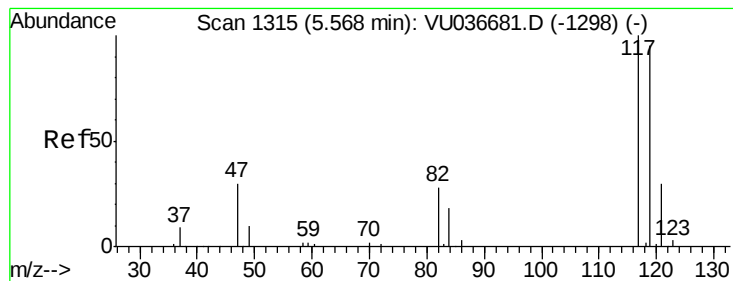
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 4.258 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

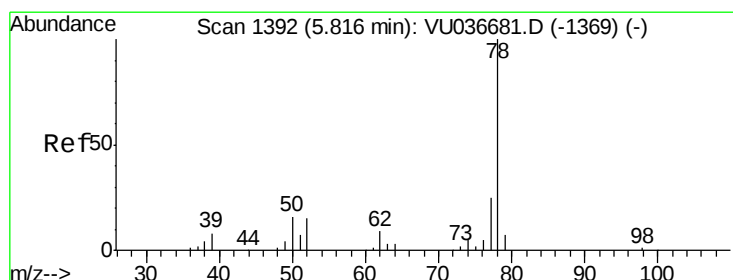
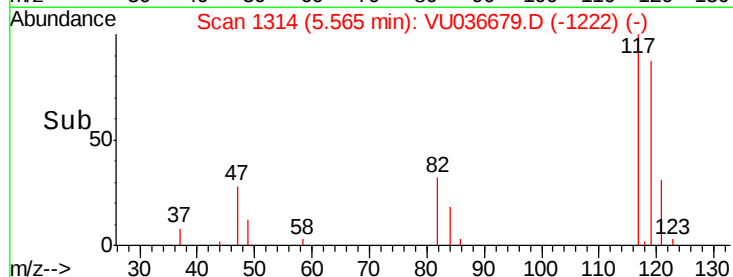
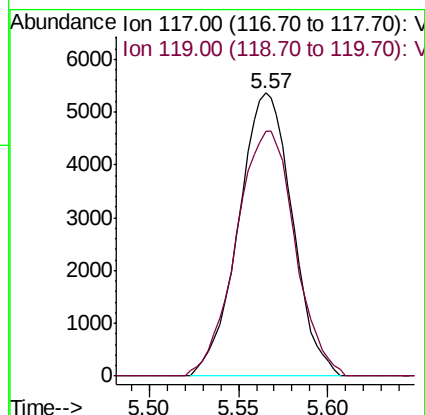
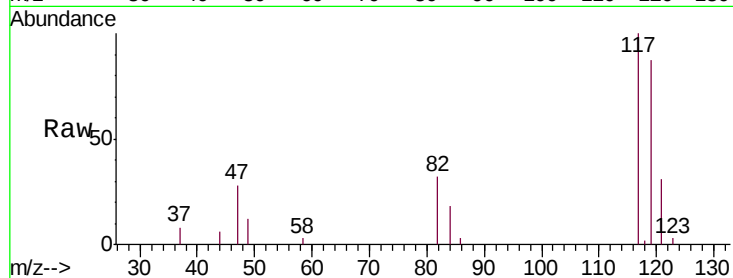
VSTD005101

Tgt Ion:117 Resp: 11300

Ion Ratio Lower Upper

117 100

119 94.3 76.2 114.4



#33

Benzene

Concen: 5.146 ug/L

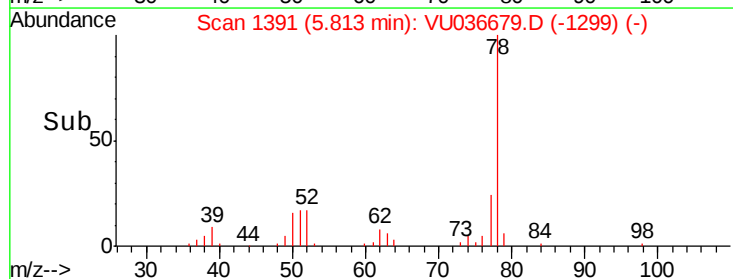
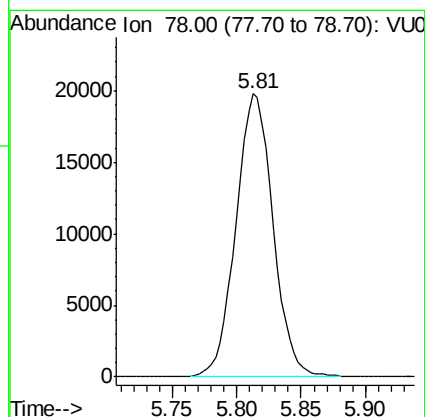
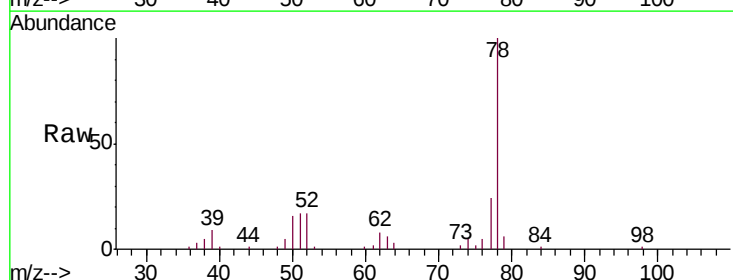
RT: 5.81 min Scan# 1391

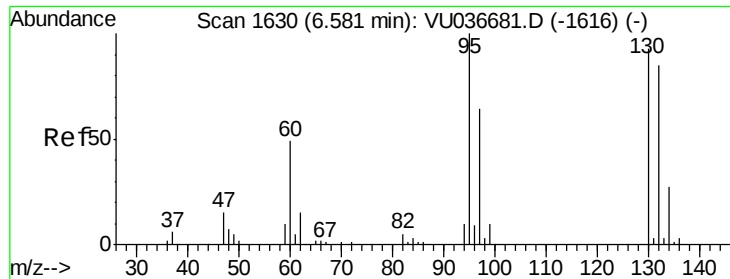
Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Tgt Ion: 78 Resp: 39635





#34

Trichloroethene

Concen: 4.692 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD005101

Tgt Ion: 95 Resp: 9491

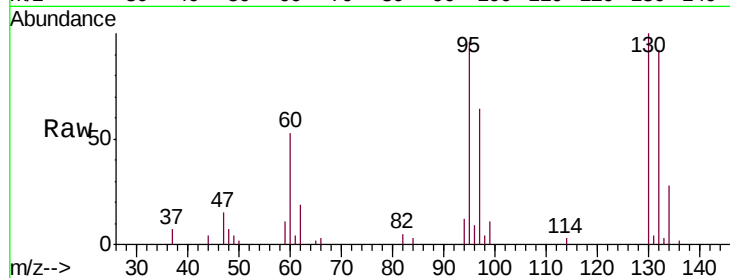
Ion Ratio Lower Upper

95 100

97 66.9 44.5 82.7

132 95.3 59.6 110.8

130 103.9 65.0 120.8

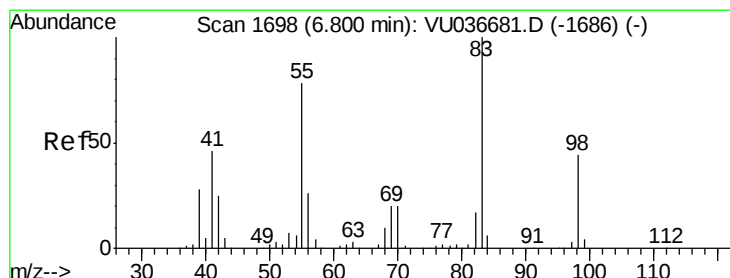
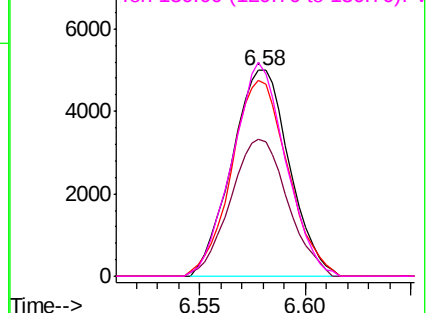
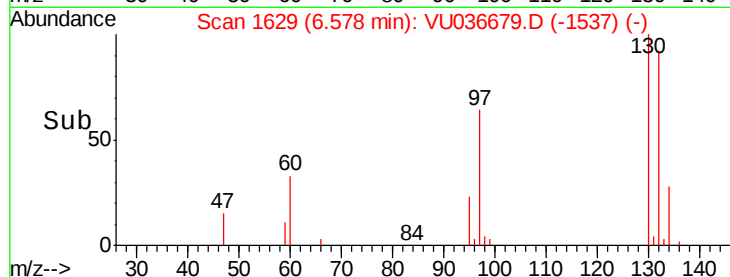


Abundance Ion 95.00 (94.70 to 95.70): VU036679.D (-1629) (-)

Ion 97.00 (96.70 to 97.70): VU036679.D (-1629) (-)

Ion 132.00 (131.70 to 132.70): VU036679.D (-1629) (-)

Ion 130.00 (129.70 to 130.70): VU036679.D (-1629) (-)



#35

Methylcyclohexane

Concen: 5.817 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

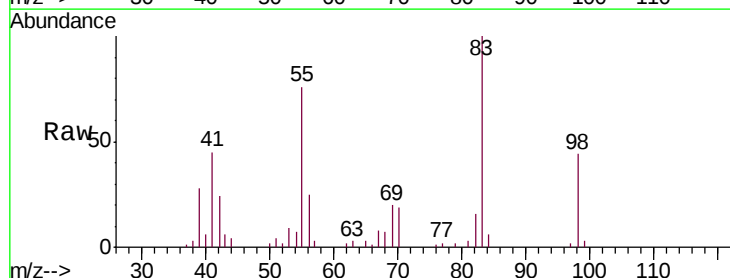
Tgt Ion: 83 Resp: 17572

Ion Ratio Lower Upper

83 100

55 76.6 61.2 91.8

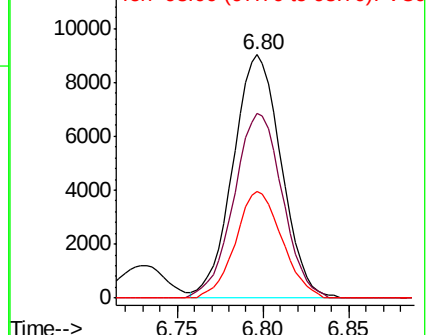
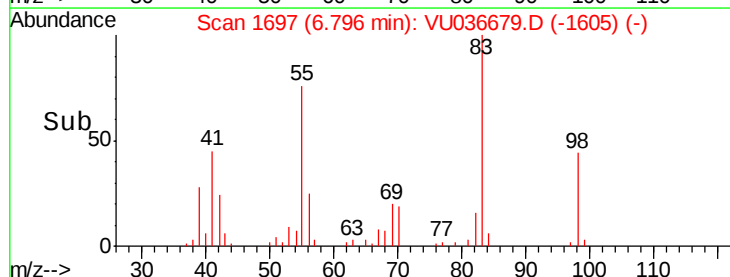
98 42.2 35.4 53.0

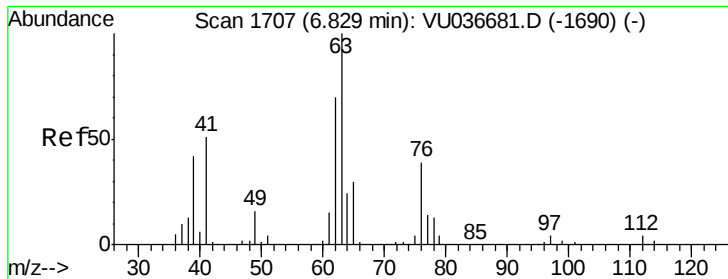


Abundance Ion 83.00 (82.70 to 83.70): VU036679.D (-1697) (-)

Ion 55.00 (54.70 to 55.70): VU036679.D (-1697) (-)

Ion 98.00 (97.70 to 98.70): VU036679.D (-1697) (-)





#37

1,2-Dichloropropane

Concen: 5.033 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

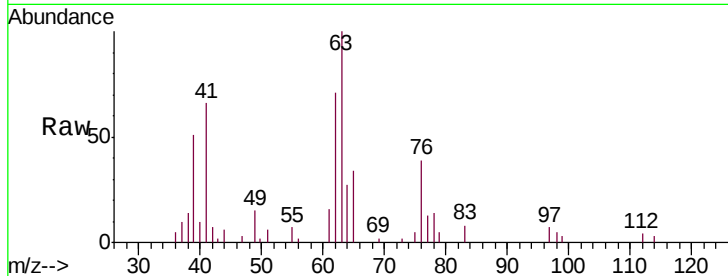
VSTD005101

Tgt Ion: 63 Resp: 10574

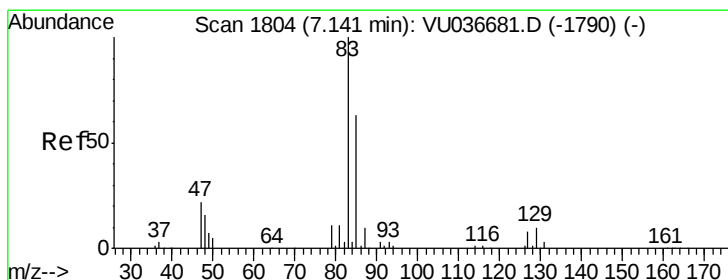
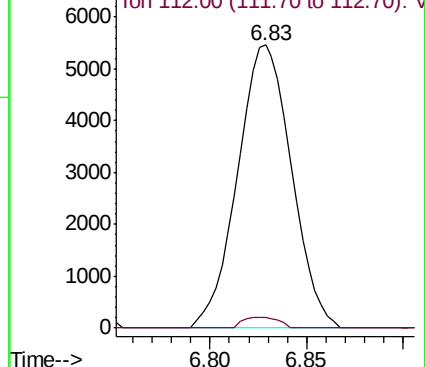
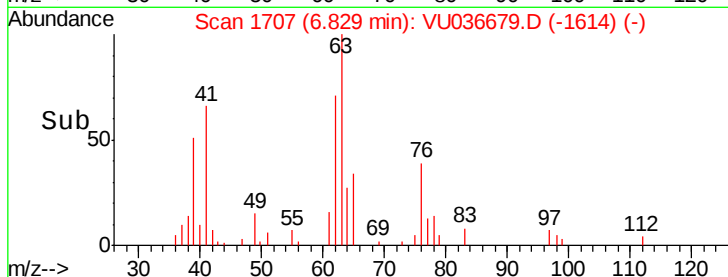
Ion Ratio Lower Upper

63 100

112 2.5 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU036679.D (-1614) (-)



#38

Bromodichloromethane

Concen: 4.634 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

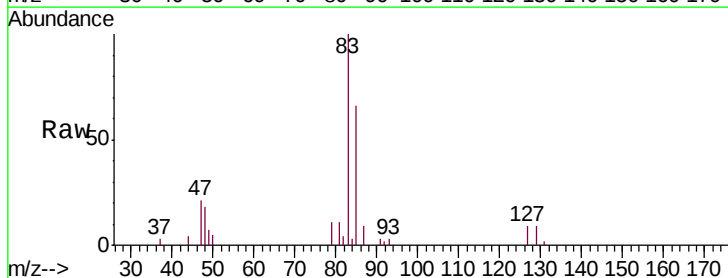
Tgt Ion: 83 Resp: 12450

Ion Ratio Lower Upper

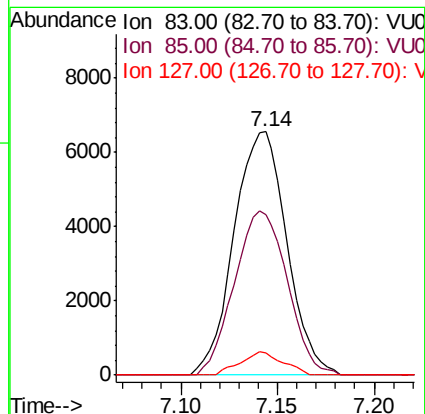
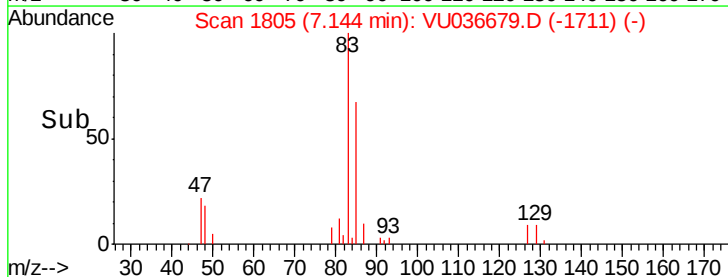
83 100

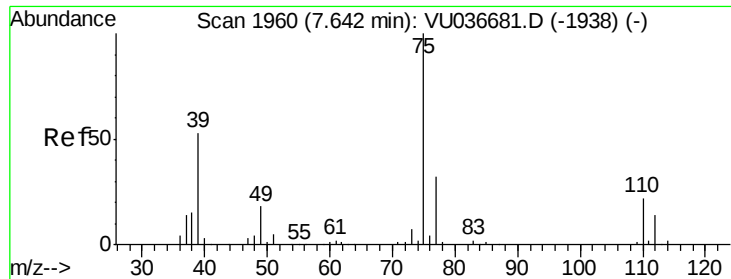
85 66.1 43.9 81.5

127 9.3 6.0 9.0#



Abundance Ion 83.00 (82.70 to 83.70): VU036679.D (-1711) (-)

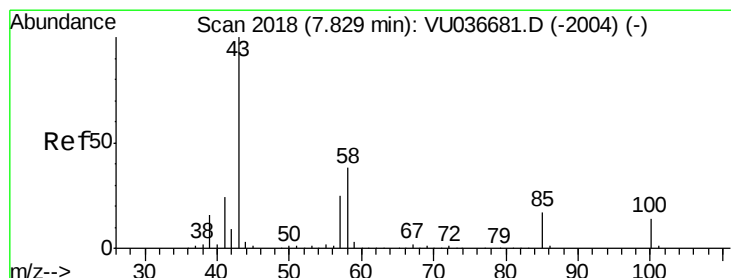
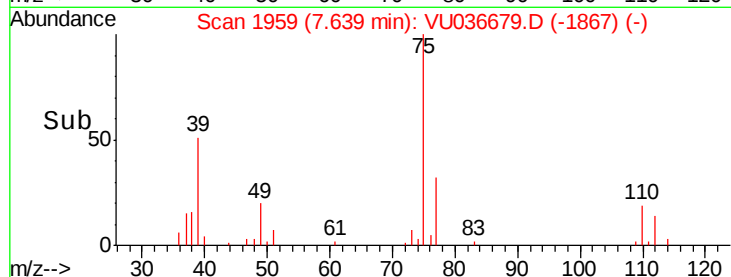
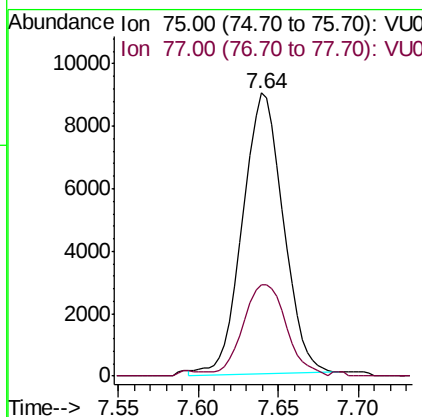
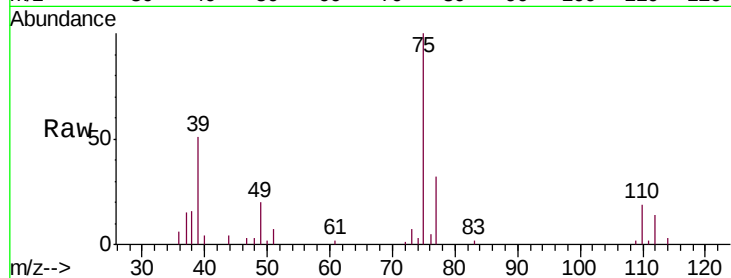




#39
 cis-1,3-Dichloropropene
 Concen: 5.024 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

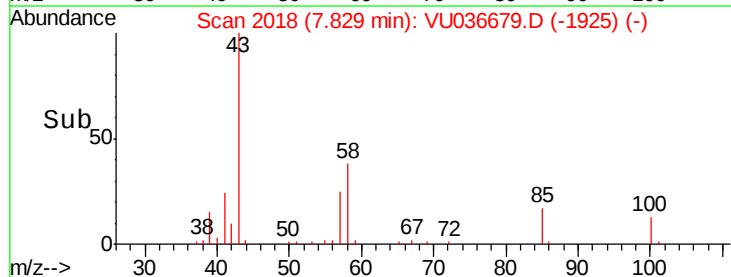
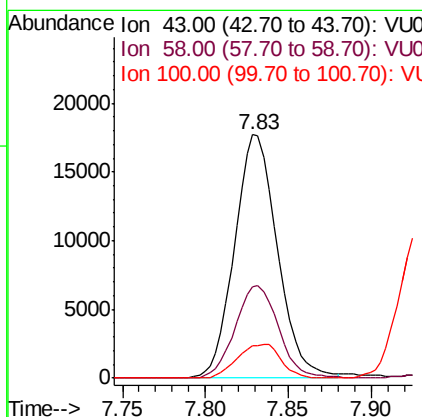
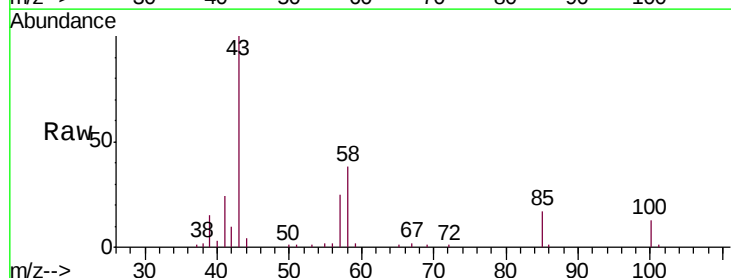
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

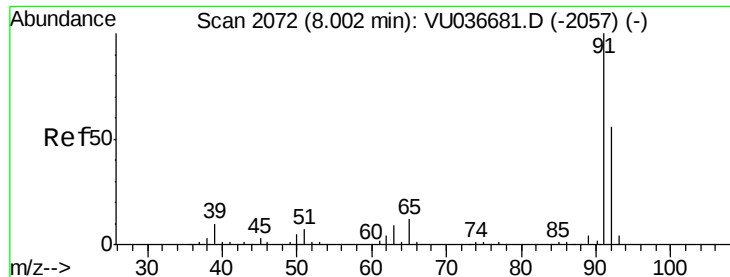
Tgt Ion: 75 Resp: 15733
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 11.542 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion: 43 Resp: 31775
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.0 46.6
 100 14.1 11.4 17.2





#42

Toluene

Concen: 5.219 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

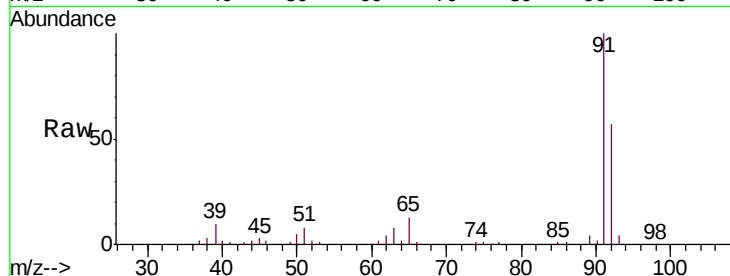
VSTD005101

Tgt Ion: 91 Resp: 42419

Ion Ratio Lower Upper

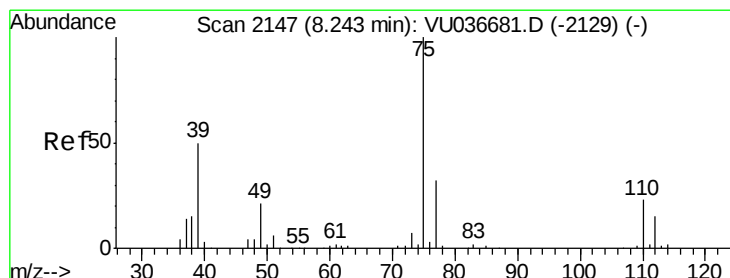
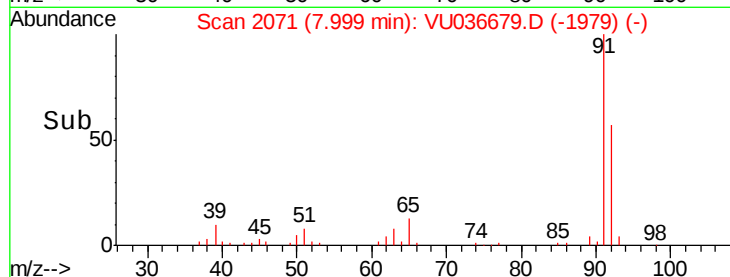
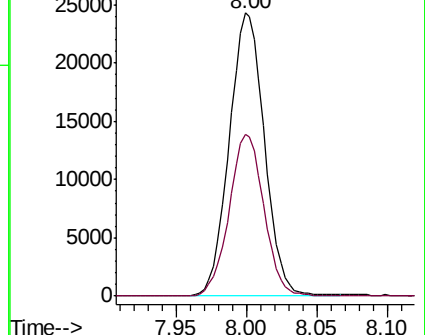
91 100

92 57.2 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036679.D (-1979) (-)

Ion 92.00 (91.70 to 92.70): VU036679.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.790 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036679.D

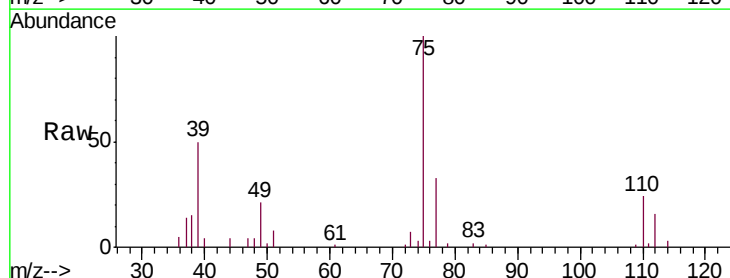
Acq: 06 Feb 2020 11:29

Tgt Ion: 75 Resp: 13613

Ion Ratio Lower Upper

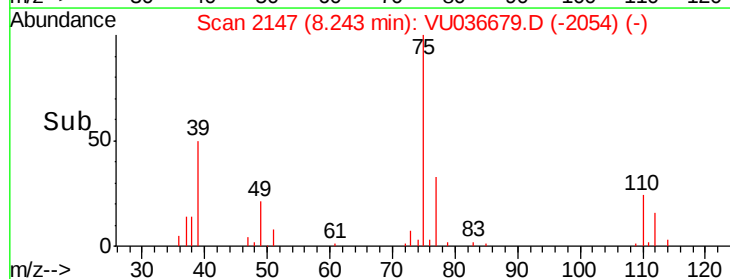
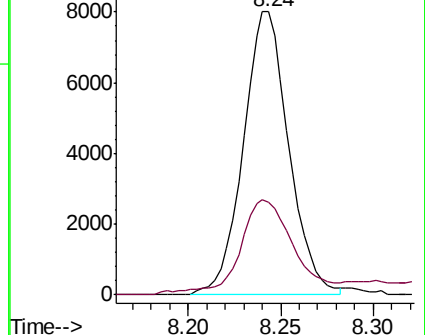
75 100

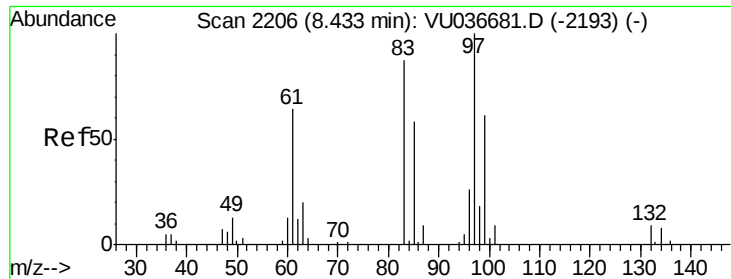
77 32.6 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036679.D (-2054) (-)

Ion 77.00 (76.70 to 77.70): VU036679.D (-2054) (-)

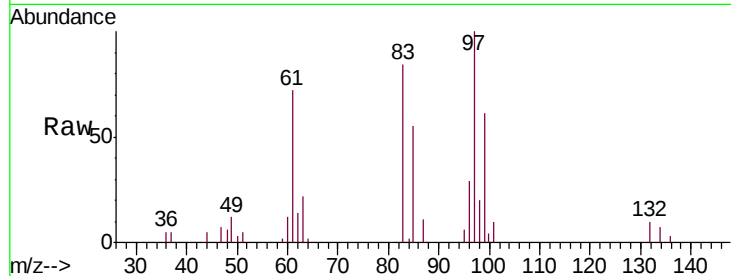




#45
 1,1,2-Trichloroethane
 Concen: 4.875 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

Tgt Ion:	97	Resp:	9635
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.6	79.0
83	84.0	61.1	113.5
85	54.9	40.4	75.0



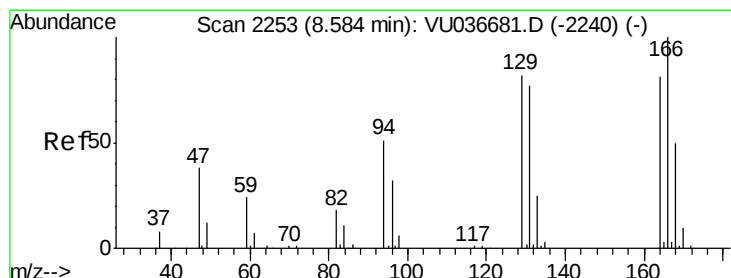
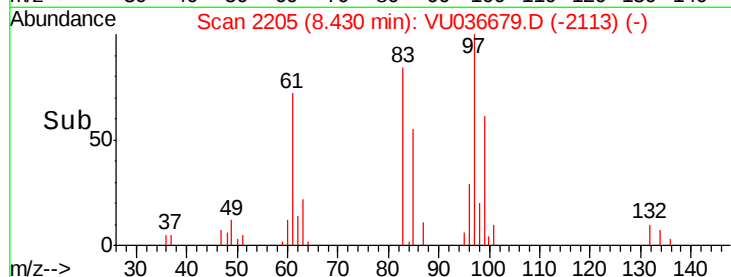
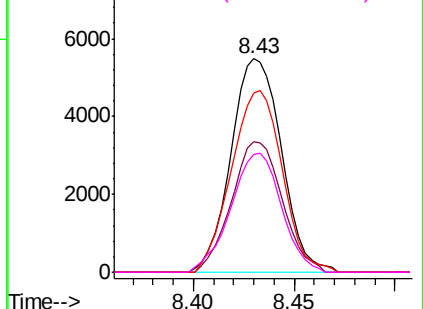
Abundance

Ion 97.00 (96.70 to 97.70): VU036679.D (-2113) (-)

Ion 99.00 (98.70 to 99.70): VU036679.D (-2113) (-)

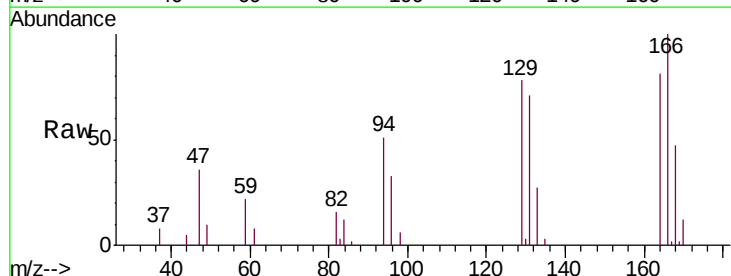
Ion 83.00 (82.70 to 83.70): VU036679.D (-2113) (-)

Ion 85.00 (84.70 to 85.70): VU036679.D (-2113) (-)



#46
 Tetrachloroethene
 Concen: 4.660 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion:	164	Resp:	7194
Ion	Ratio	Lower	Upper
164	100		
129	95.9	71.0	131.9
131	87.9	66.6	123.6
166	123.7	86.4	160.4



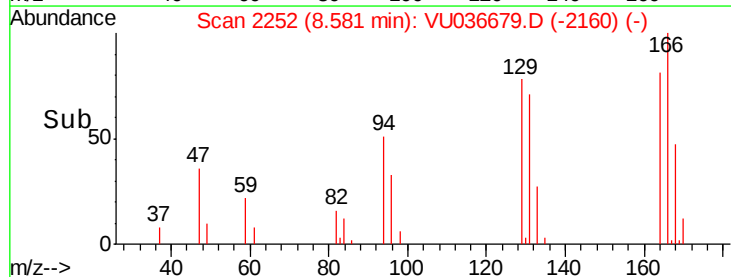
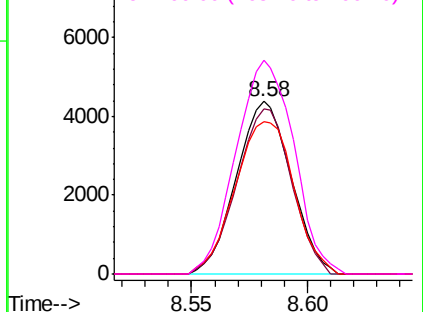
Abundance

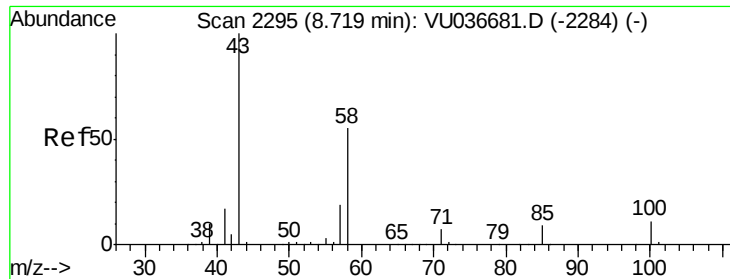
Ion 164.00 (163.70 to 164.70): VU036679.D (-2160) (-)

Ion 129.00 (128.70 to 129.70): VU036679.D (-2160) (-)

Ion 131.00 (130.70 to 131.70): VU036679.D (-2160) (-)

Ion 166.00 (165.70 to 166.70): VU036679.D (-2160) (-)

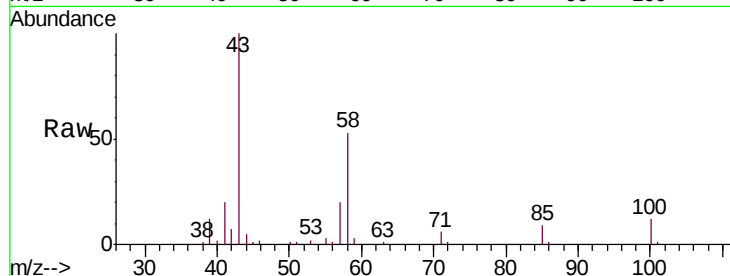




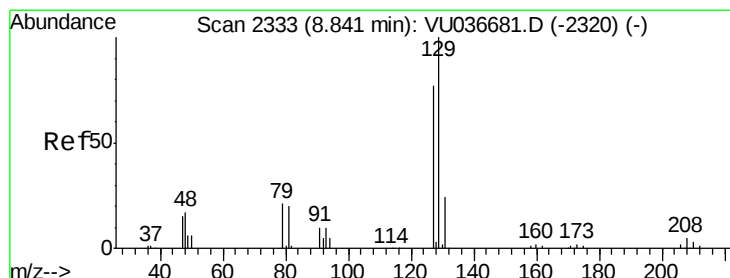
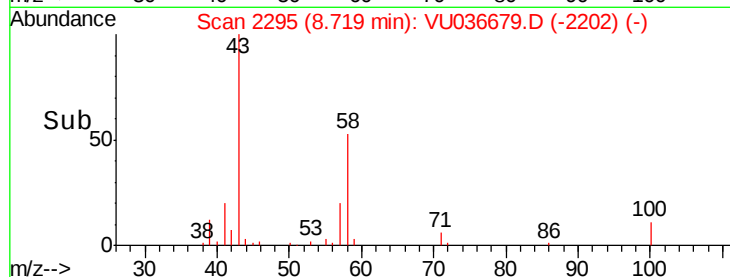
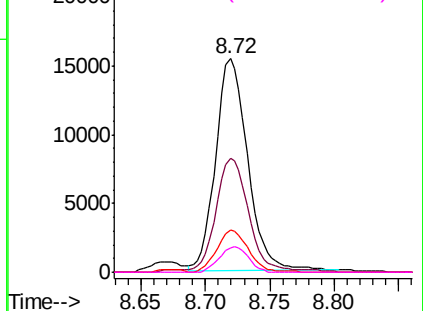
#48
2-Hexanone
Concen: 12.590 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD005101

Tgt Ion:	43	Resp:	26693
Ion	Ratio	Lower	Upper
43	100		
58	52.4	43.6	65.4
57	19.5	15.5	23.3
100	10.7	9.0	13.4

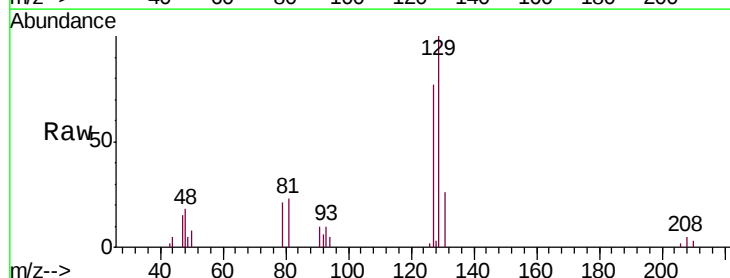


Abundance Ion 43.00 (42.70 to 43.70): VU036679.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VU036679.D (-2295) (-)
Ion 57.00 (56.70 to 57.70): VU036679.D (-2295) (-)
Ion 100.00 (99.70 to 100.70): VU036679.D (-2295) (-)

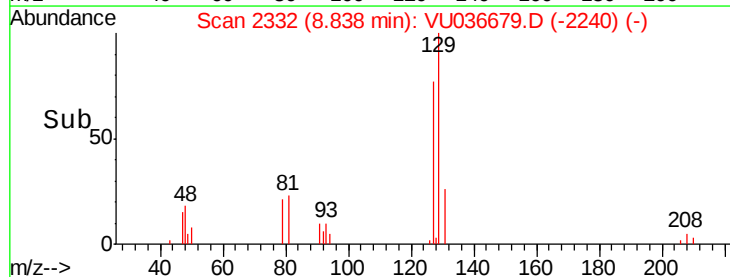
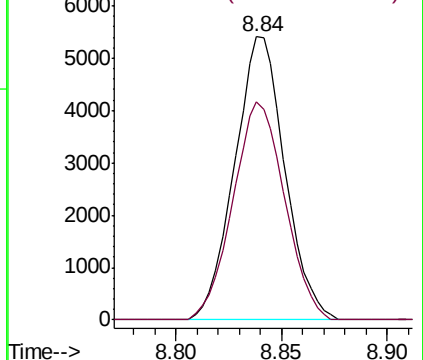


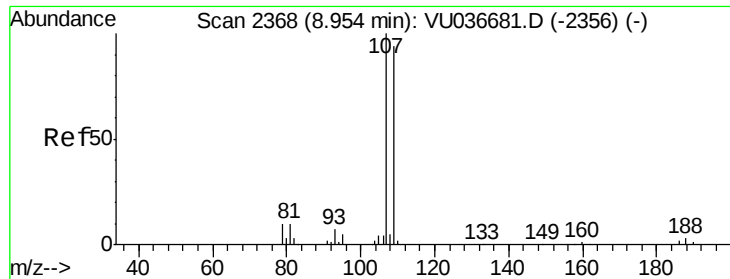
#49
Dibromochloromethane
Concen: 4.161 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Tgt Ion:	129	Resp:	8956
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.6	99.6



Abundance Ion 129.00 (128.70 to 129.70): VU036679.D (-2332) (-)
Ion 127.00 (126.70 to 127.70): VU036679.D (-2332) (-)

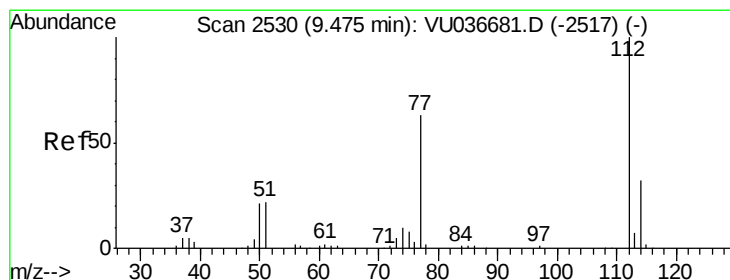
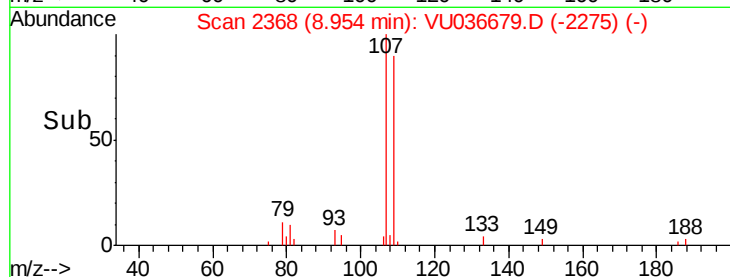
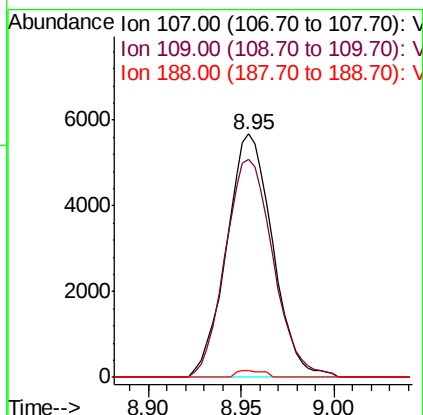
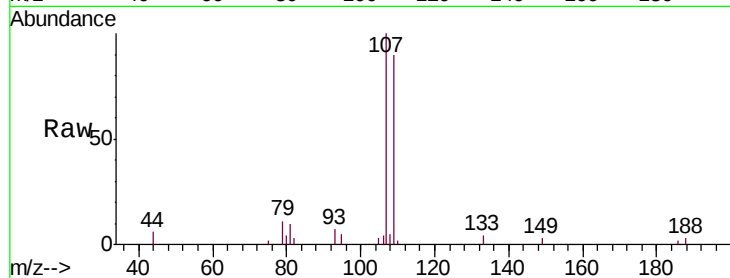




#50
1,2-Dibromoethane
Concen: 4.742 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

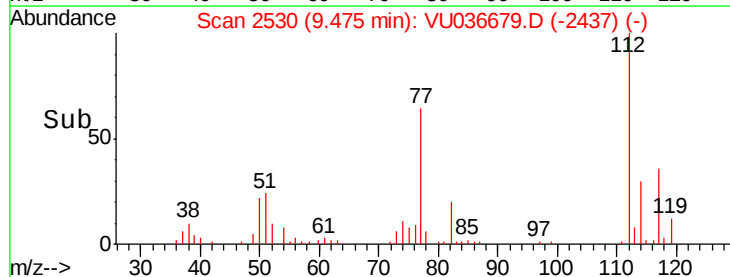
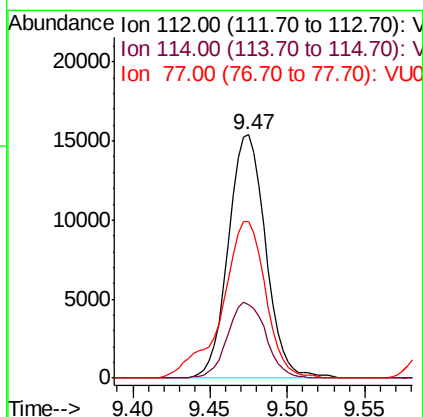
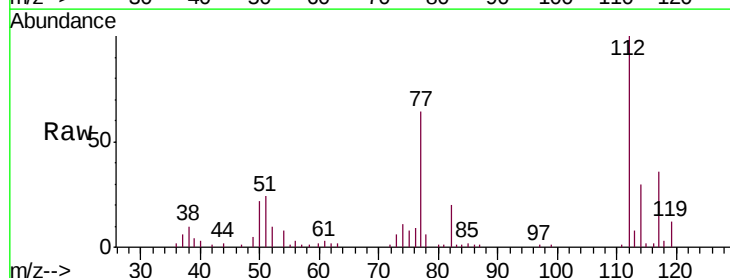
Instrument :
MSVOA_U
ClientSampleId :
VSTD005101

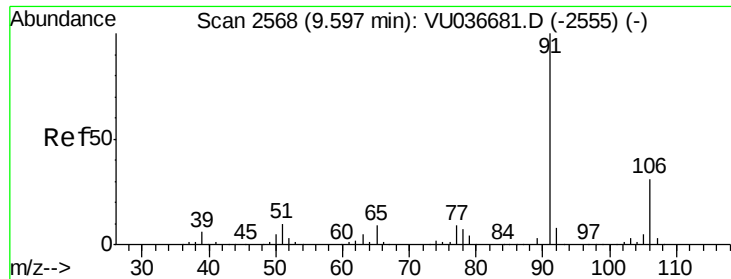
Tgt Ion:107 Resp: 9775
Ion Ratio Lower Upper
107 100
109 89.8 65.8 122.2
188 2.7 2.5 3.7



#51
Chlorobenzene
Concen: 4.926 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Tgt Ion:112 Resp: 25801
Ion Ratio Lower Upper
112 100
114 30.3 22.7 42.1
77 64.3 50.6 75.8





#52

Ethylbenzene

Concen: 5.328 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

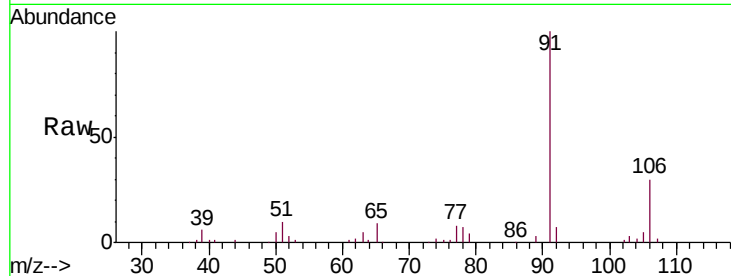
VSTD005101

Tgt Ion: 91 Resp: 45937

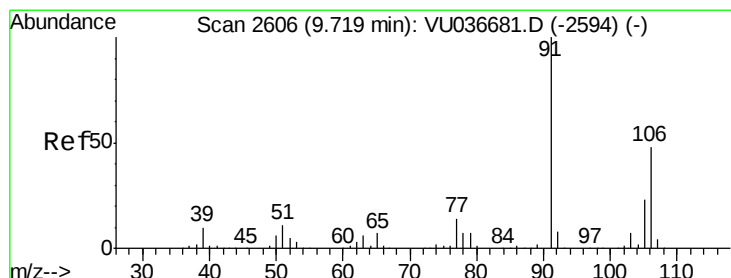
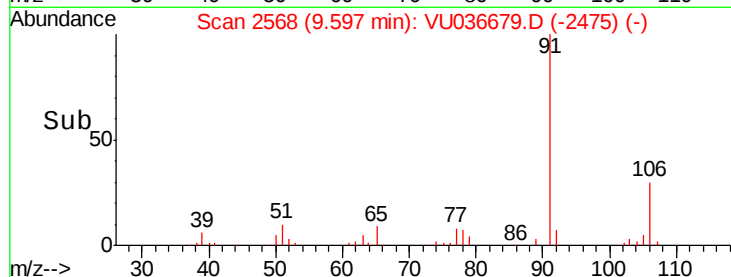
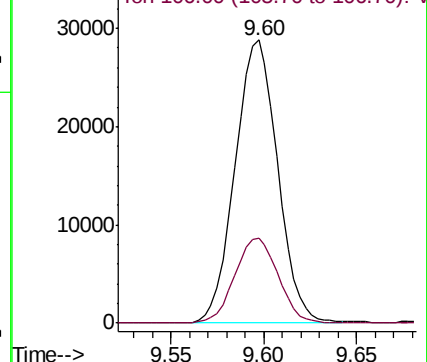
Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036679.D (-2475) (-)



#53

m,p-Xylene

Concen: 5.121 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036679.D

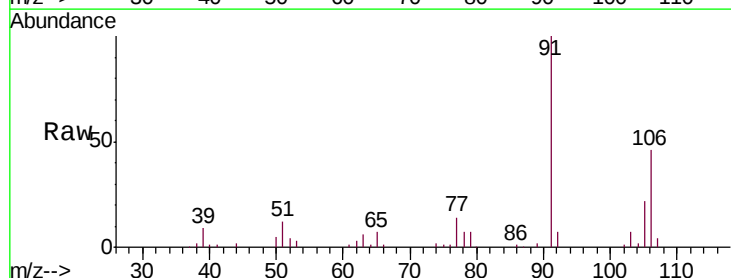
Acq: 06 Feb 2020 11:29

Tgt Ion: 106 Resp: 16398

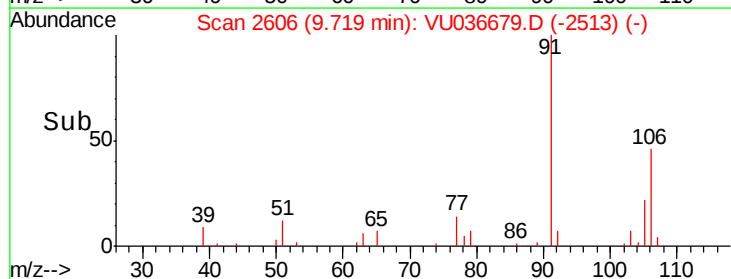
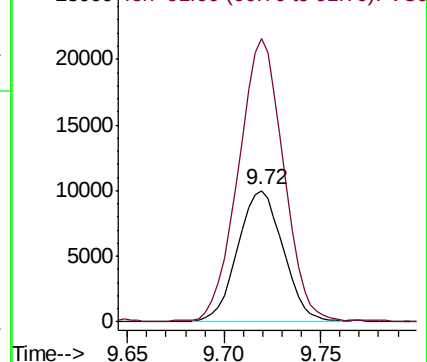
Ion Ratio Lower Upper

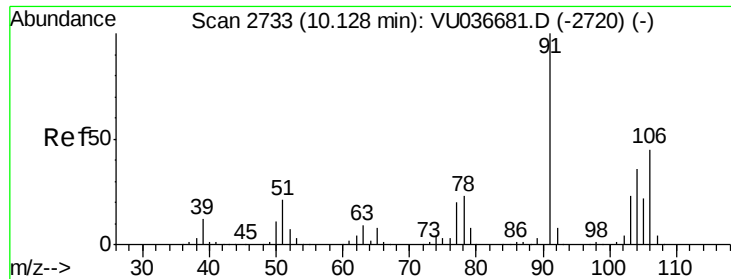
106 100

91 215.2 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036679.D (-2513) (-)





#54

o-xylene

Concen: 5.323 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

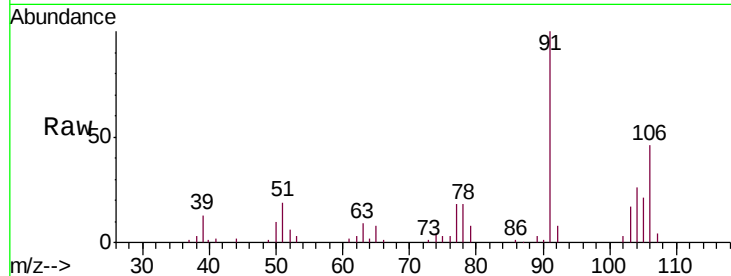
VSTD005101

Tgt Ion:106 Resp: 16784

Ion Ratio Lower Upper

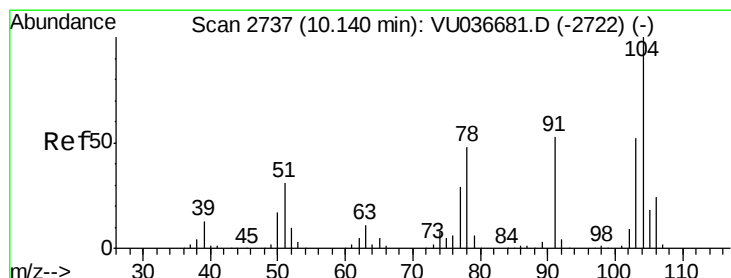
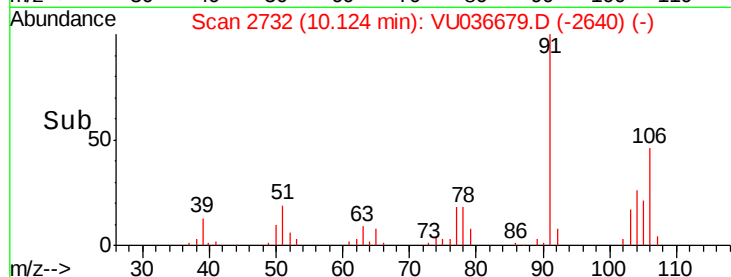
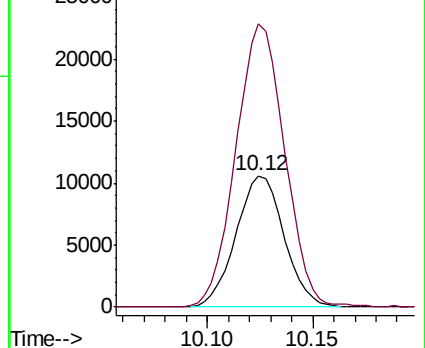
106 100

91 215.1 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.785 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036679.D

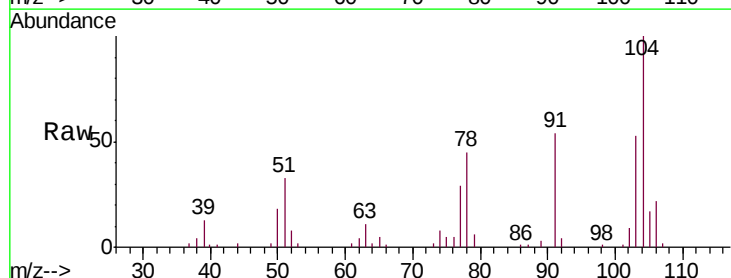
Acq: 06 Feb 2020 11:29

Tgt Ion:104 Resp: 25475

Ion Ratio Lower Upper

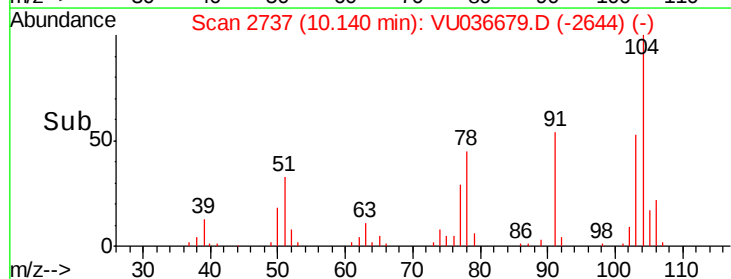
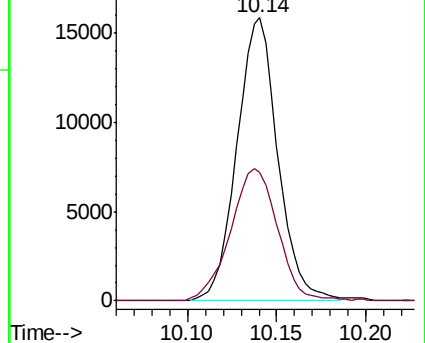
104 100

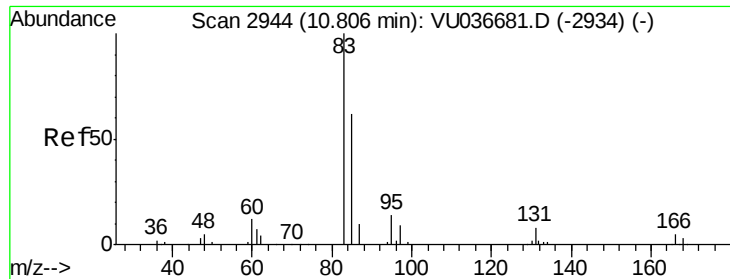
78 45.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.905 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD005101

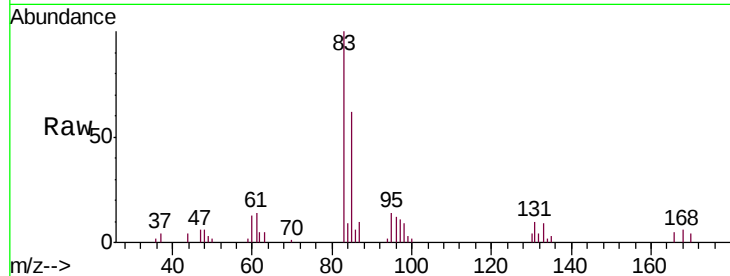
Tgt Ion: 83 Resp: 16455

Ion Ratio Lower Upper

83 100

85 62.3 44.7 82.9

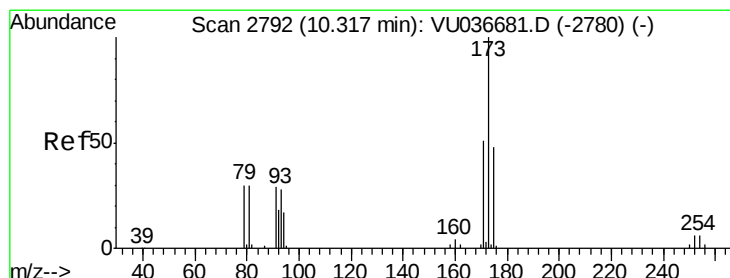
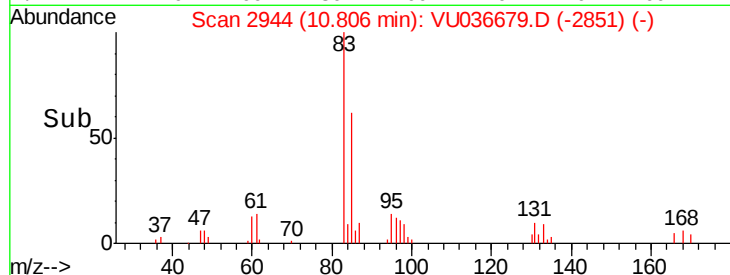
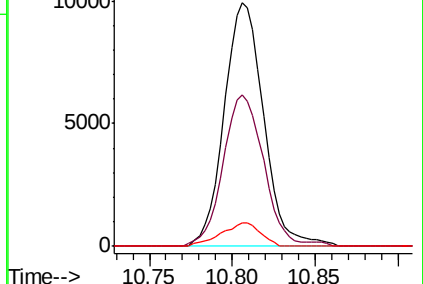
131 9.7 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036679.D (-2851) (-)

Ion 85.00 (84.70 to 85.70): VU036679.D (-2851) (-)

Ion 131.00 (130.70 to 131.70): VU036679.D (-2851) (-)



#59

Bromoform

Concen: 4.210 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036679.D

Acq: 06 Feb 2020 11:29

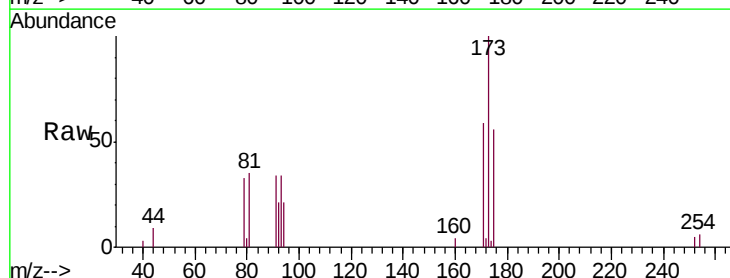
Tgt Ion: 173 Resp: 5877

Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.4

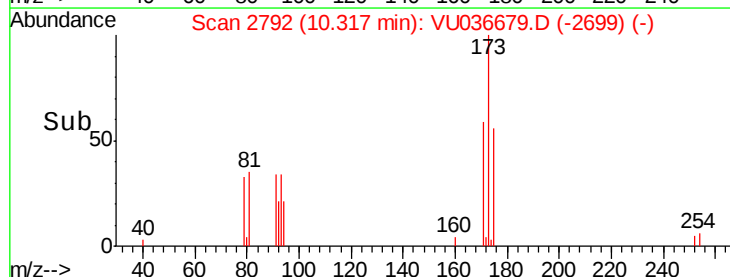
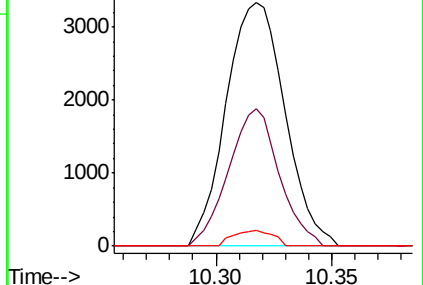
254 4.4 4.8 7.2#

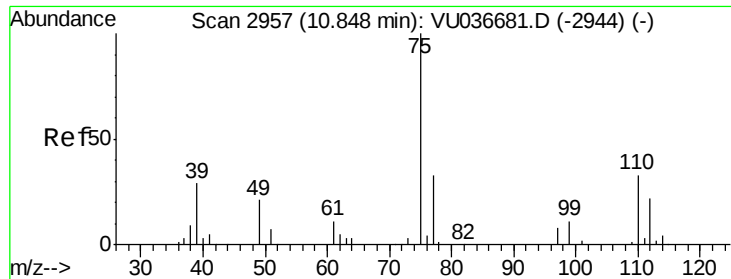


Abundance Ion 173.00 (172.70 to 173.70): VU036679.D (-2699) (-)

Ion 175.00 (174.70 to 175.70): VU036679.D (-2699) (-)

Ion 254.00 (253.70 to 254.70): VU036679.D (-2699) (-)

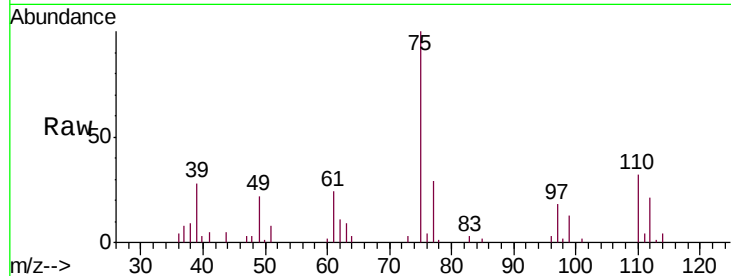




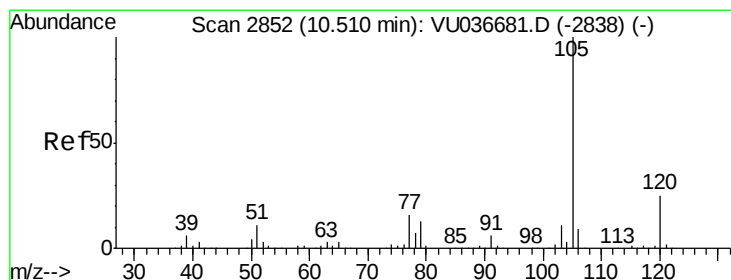
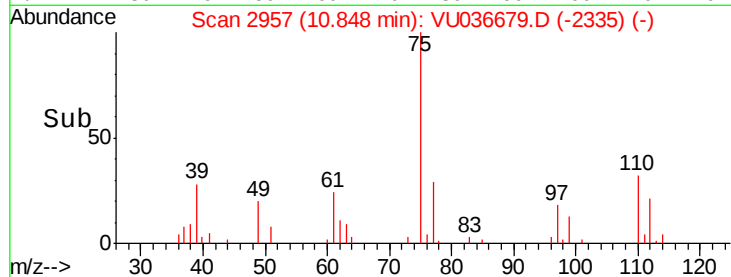
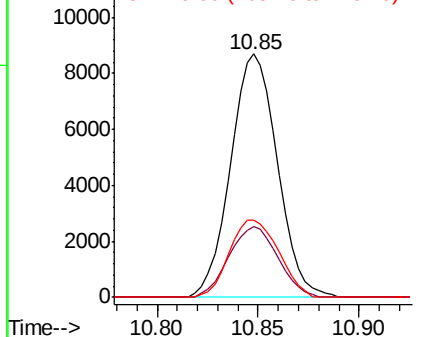
#60
 1,2,3-Trichloropropane
 Concen: 6.060 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. 0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

Tgt Ion: 75 Resp: 14101
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.1 39.1
 110 33.5 26.9 40.3

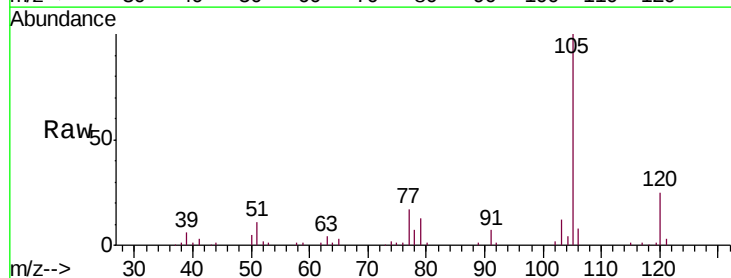


Abundance Ion 75.00 (74.70 to 75.70): VU036681.D (-2944) (-)
 Ion 77.00 (76.70 to 77.70): VU036679.D (-2230) (-)
 Ion 110.00 (109.70 to 110.70): VU036679.D (-2230) (-)

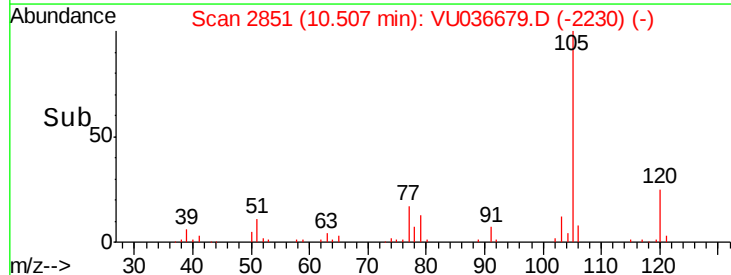
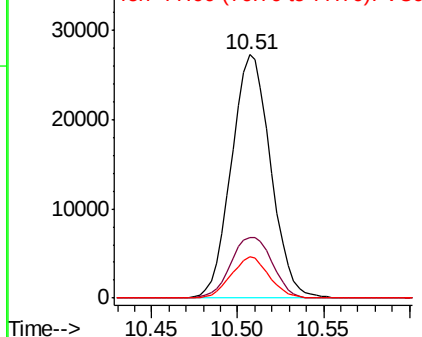


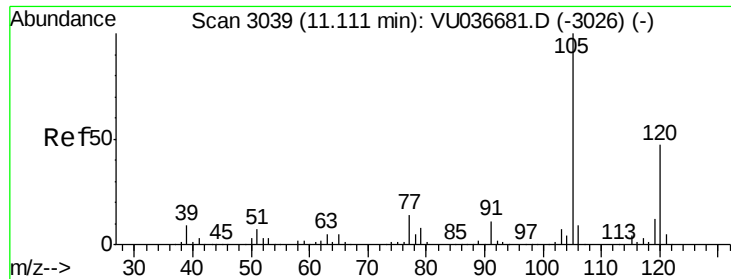
#61
 Isopropylbenzene
 Concen: 6.058 ug/L
 RT: 10.51 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion: 105 Resp: 43266
 Ion Ratio Lower Upper
 105 100
 120 26.4 20.2 30.4
 77 16.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VU036681.D (-2838) (-)
 Ion 120.00 (119.70 to 120.70): VU036679.D (-2230) (-)
 Ion 77.00 (76.70 to 77.70): VU036679.D (-2230) (-)

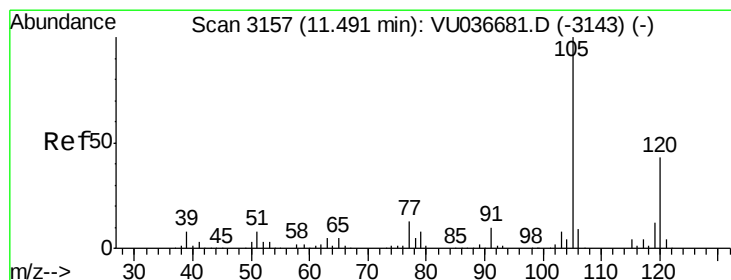
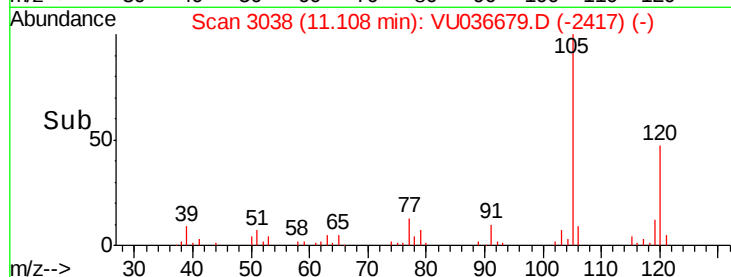
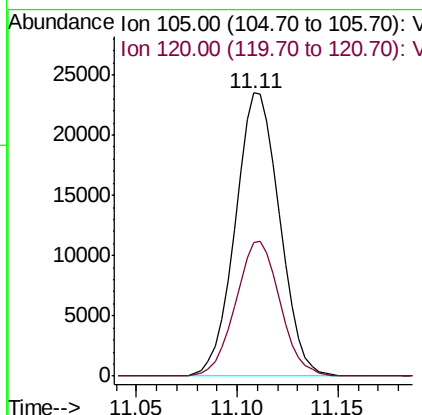
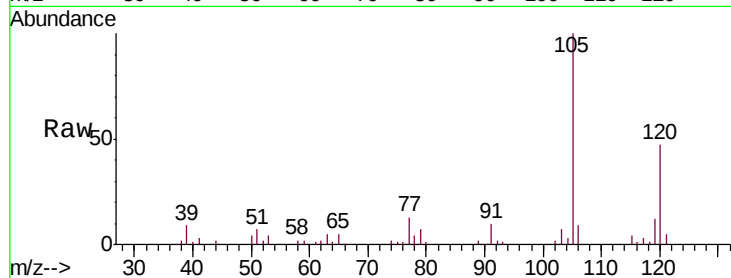




#62
 1,3,5-Trimethylbenzene
 Concen: 6.211 ug/L
 RT: 11.11 min Scan# 3038
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

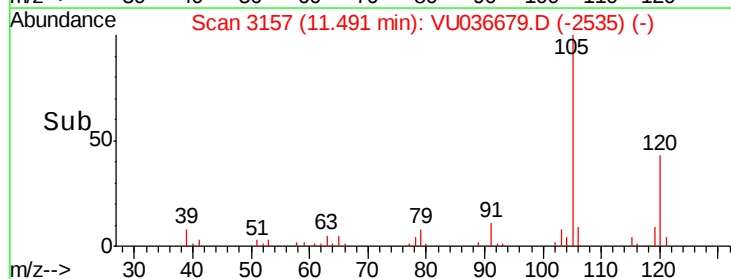
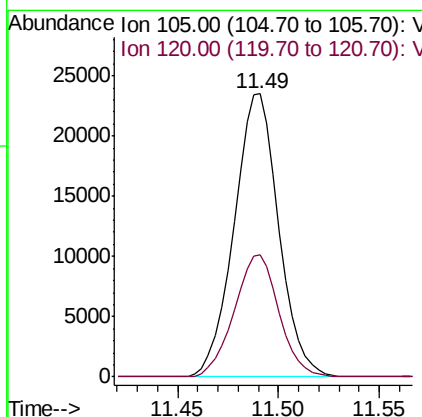
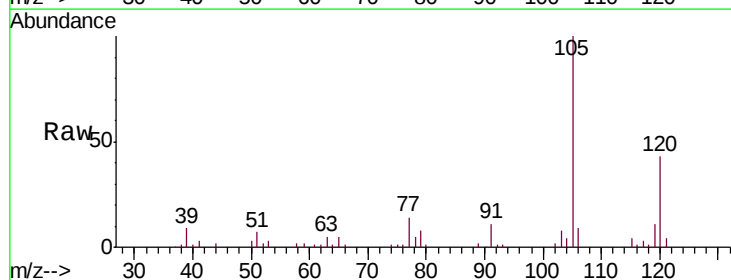
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

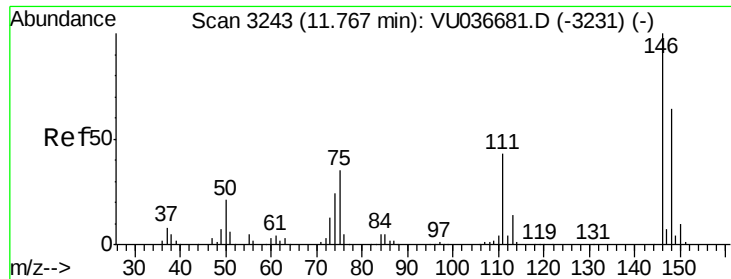
Tgt Ion:105 Resp: 36220
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 6.295 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion:105 Resp: 36358
 Ion Ratio Lower Upper
 105 100
 120 43.1 34.7 52.1

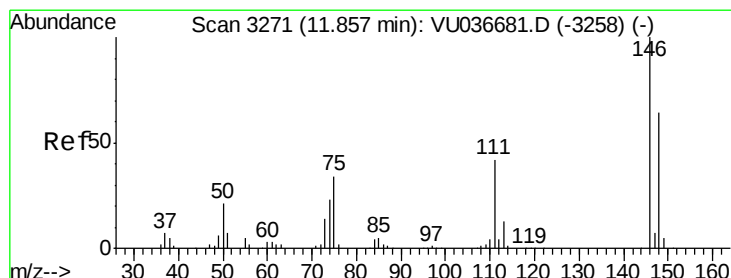
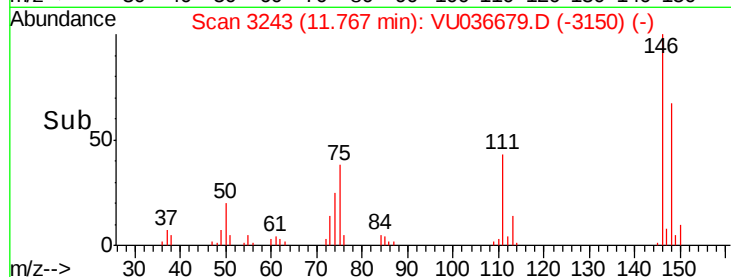
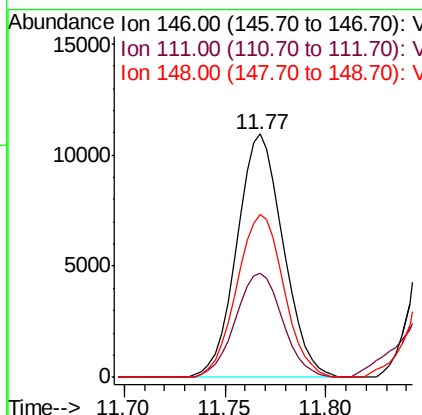
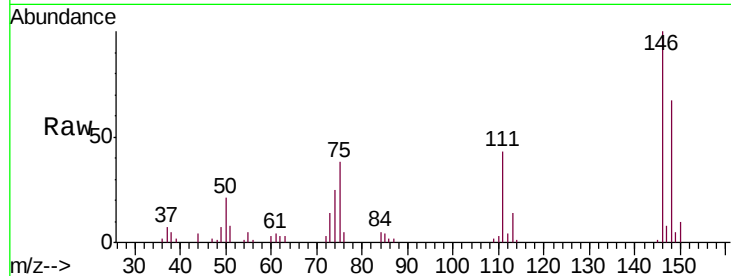




#64
 1,3-Dichlorobenzene
 Concen: 5.110 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

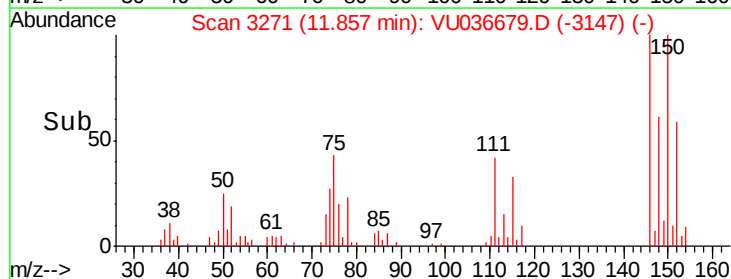
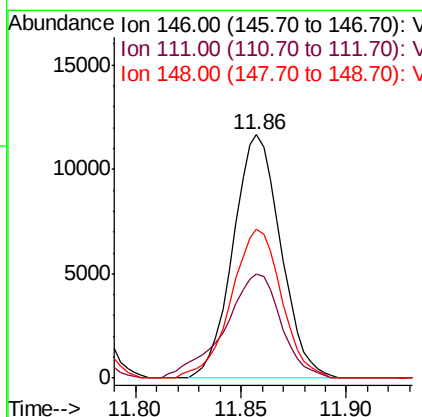
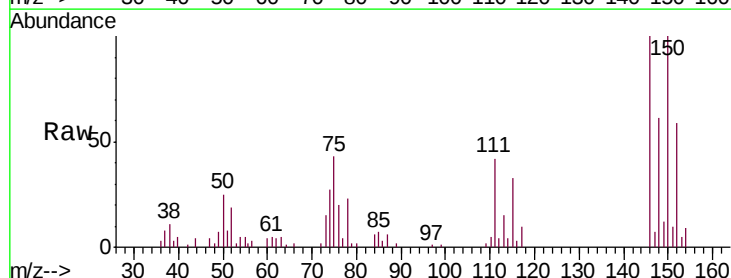
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

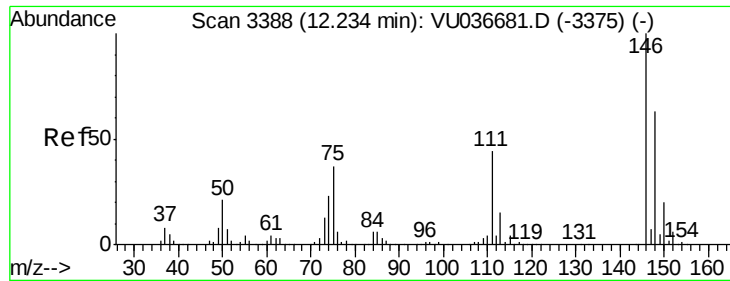
Tgt Ion:146 Resp: 17652
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.4 56.4
 148 66.8 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 5.173 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion:146 Resp: 18264
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.3 54.3
 148 61.4 44.8 83.2

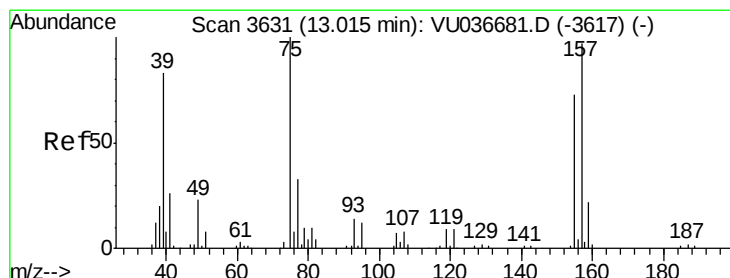
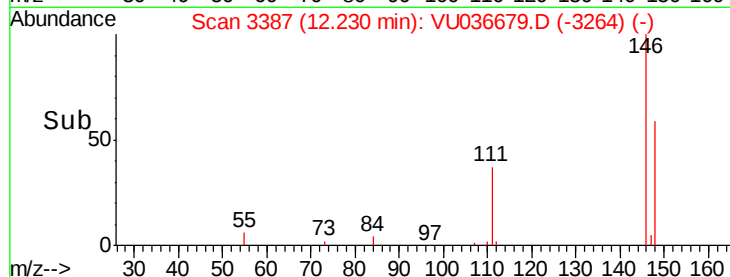
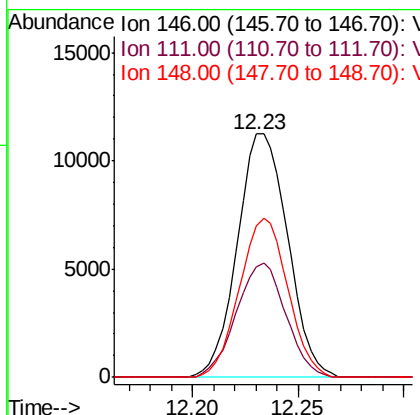
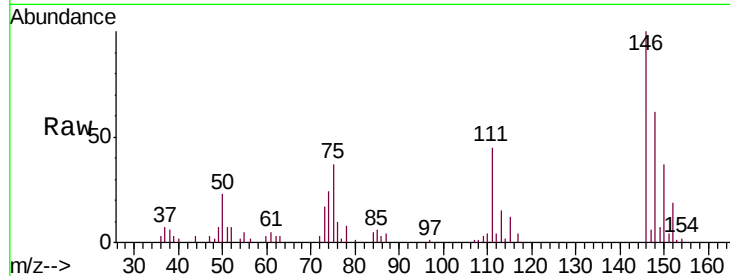




#67
 1,2-Dichlorobenzene
 Concen: 5.309 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

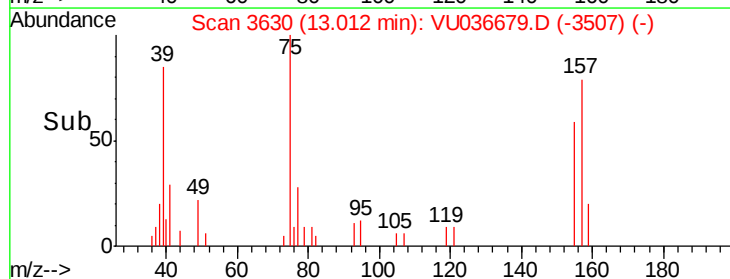
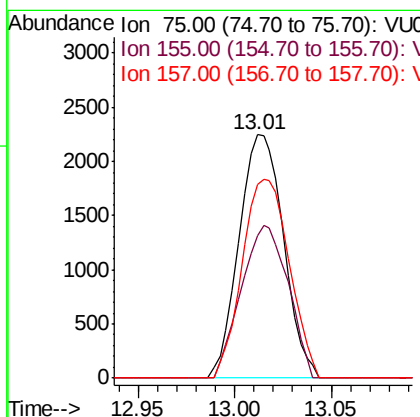
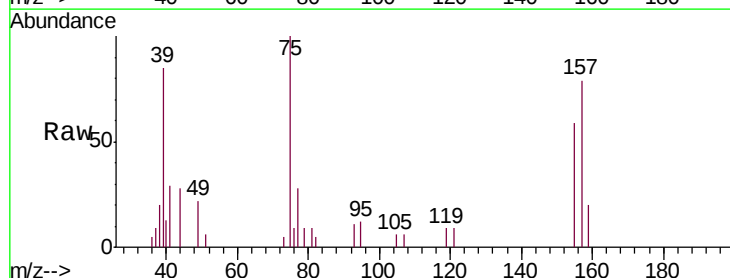
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

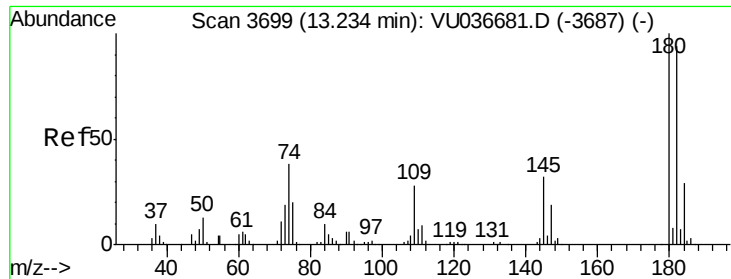
Tgt Ion: 146 Resp: 18652
 Ion Ratio Lower Upper
 146 100
 111 45.5 35.4 53.0
 148 62.3 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.471 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion: 75 Resp: 3583
 Ion Ratio Lower Upper
 75 100
 155 58.7 58.7 88.1#
 157 79.4 77.8 116.6

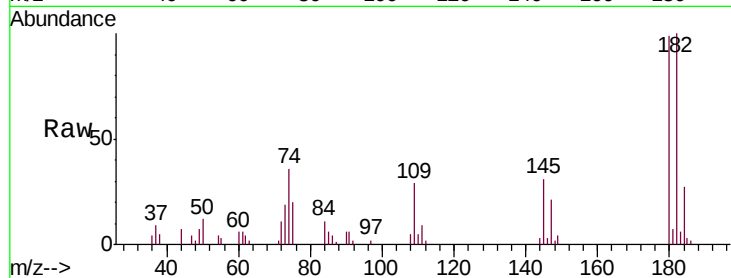




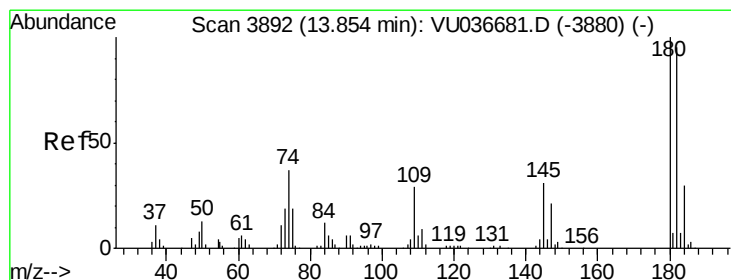
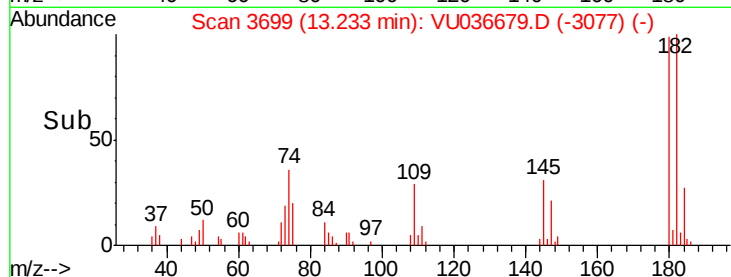
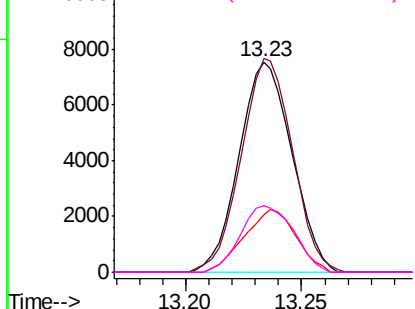
#69
 1,3,5-Trichlorobenzene
 Concen: 4.665 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. -0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005101

Tgt Ion:180 Resp: 11977
 Ion Ratio Lower Upper
 180 100
 182 98.1 76.2 114.4
 184 29.2 23.8 35.6
 145 31.8 25.0 37.6

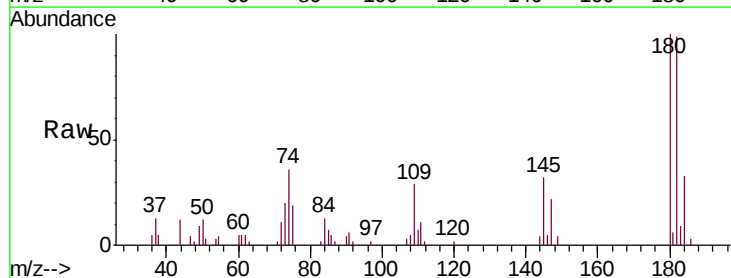


Abundance Ion 180.00 (179.70 to 180.70): V
 12000 Ion 182.00 (181.70 to 182.70): V
 10000 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

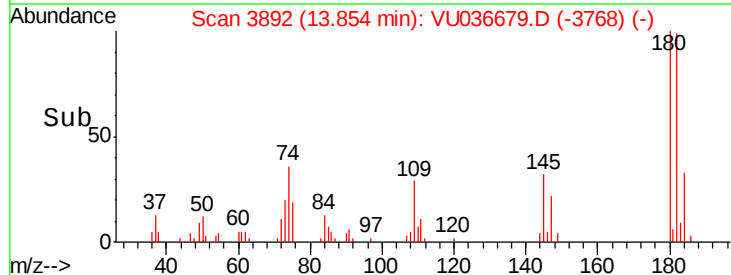
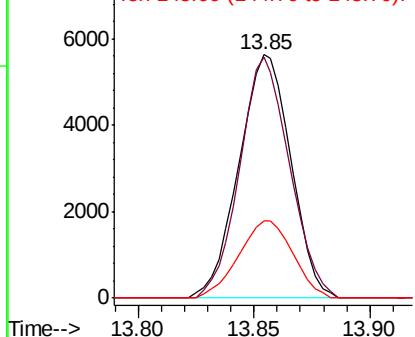


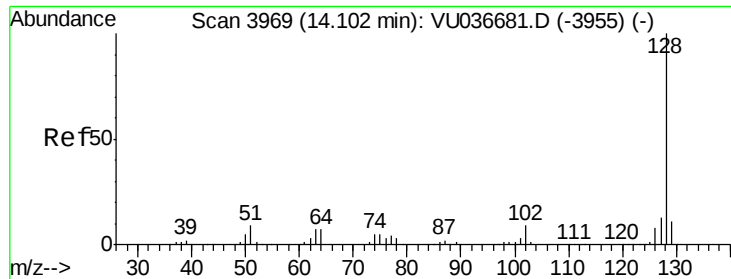
#70
 1,2,4-trichlorobenzene
 Concen: 4.136 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036679.D
 Acq: 06 Feb 2020 11:29

Tgt Ion:180 Resp: 8768
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 145 33.1 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V
 6000 Ion 182.00 (181.70 to 182.70): V
 4000 Ion 145.00 (144.70 to 145.70): V

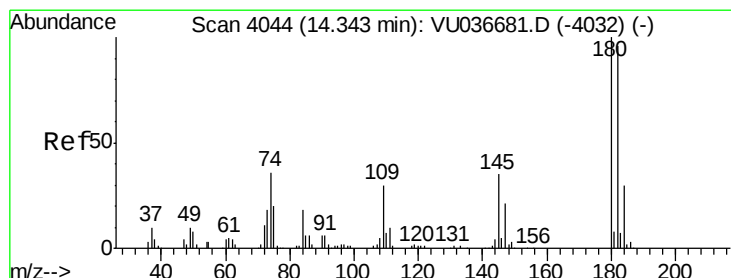
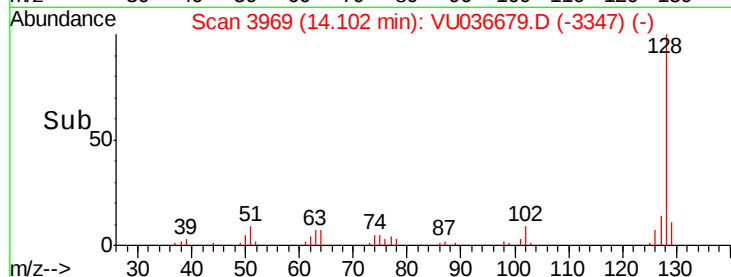
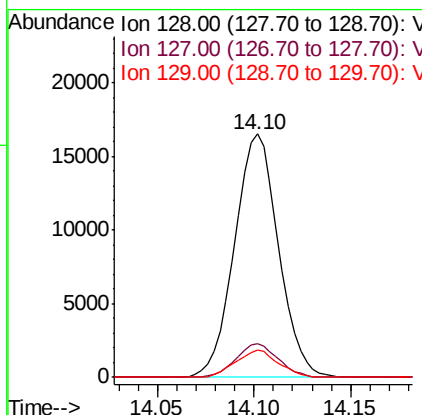
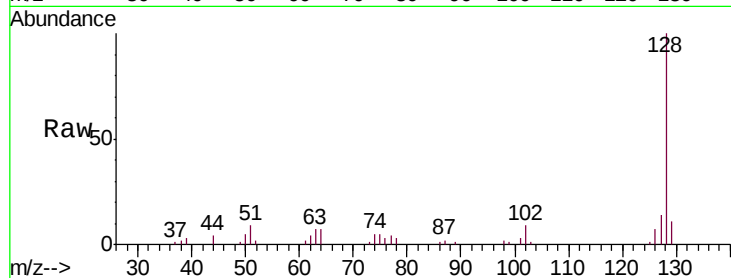




#71
Naphthalene
Concen: 3.994 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD005101

Tgt Ion:128 Resp: 26094
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 4.066 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. 0.00 min
Lab File: VU036679.D
Acq: 06 Feb 2020 11:29

Tgt Ion:180 Resp: 8904
Ion Ratio Lower Upper
180 100
182 100.2 76.8 115.2
145 35.2 27.5 41.3

