

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041452.D
 Acq On : 03 Dec 2020 16:16
 Operator : SY/MD
 Sample : VSTD00106
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

Quant Time: Dec 04 01:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53955	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53919	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	3118	0.86	ug/L	0.00
7) Chloroethane-d5	1.92	69	2767	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	7137	0.98	ug/L	0.00
20) 2-Butanone-d5	4.66	46	9710	10.16	ug/L	0.00
24) Chloroform-d	5.08	84	7558	0.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5097	1.10	ug/L	0.00
32) Benzene-d6	5.74	84	11985	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	3520	0.87	ug/L	0.00
41) Toluene-d8	7.90	98	10900	0.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1885	0.98	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	6490	10.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	3728	1.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	4792	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5052	0.956 ug/L	98
3) Chloromethane	1.53	50	3298	0.775 ug/L	90
5) Vinyl chloride	1.61	62	3252	0.710 ug/L #	82
6) Bromomethane	1.87	94	2464	1.268 ug/L	98
8) Chloroethane	1.94	64	2696	1.006 ug/L	95
9) Trichlorofluoromethane	2.15	101	7872	1.030 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3362	0.897 ug/L	99
12) 1,1-Dichloroethene	2.59	96	2775	0.840 ug/L	98
13) Acetone	2.66	43	7254	10.713 ug/L	92
14) Carbon disulfide	2.81	76	7963	0.721 ug/L	95
15) Methyl Acetate	2.98	43	1454	0.969 ug/L #	62
16) Methylene chloride	3.06	84	3971	0.850 ug/L	89
17) Methyl tert-butyl Ether	3.38	73	8263	0.967 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	2982	0.839 ug/L	89
19) 1,1-Dichloroethane	3.89	63	5709	0.810 ug/L	87
21) 2-Butanone	4.74	43	9061	8.754 ug/L #	71
22) cis-1,2-Dichloroethene	4.68	96	3101	0.811 ug/L	92
23) Bromochloromethane	4.99	128	1556	0.918 ug/L	87
25) Chloroform	5.11	83	7199	0.904 ug/L	95
27) 1,2-Dichloroethane	5.81	62	5131	0.969 ug/L #	95
29) 1,1,1-Trichloroethane	5.33	97	7112	1.030 ug/L	97
30) Cyclohexane	5.40	56	3929	0.718 ug/L	100
31) Carbon tetrachloride	5.54	117	6314	1.008 ug/L	98
33) Benzene	5.79	78	12007	0.839 ug/L	100
34) Trichloroethene	6.56	95	3744	0.955 ug/L	92
35) Methylcyclohexane	6.77	83	4482	0.798 ug/L	97
37) 1,2-Dichloropropane	6.80	63	3060	0.798 ug/L #	87
38) Bromodichloromethane	7.11	83	5135	0.945 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	4641	0.852 ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	19409	8.068 ug/L	99

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

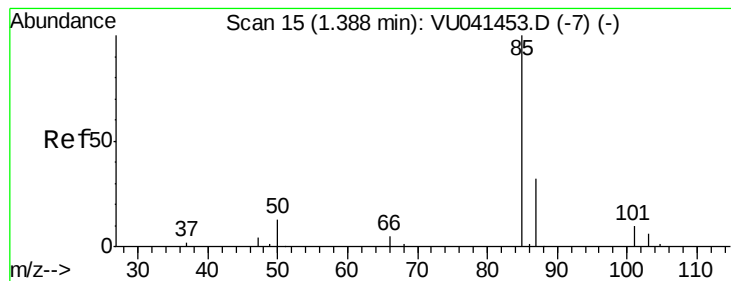
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

Quant Time: Dec 04 01:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	12700	0.831	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	4788	0.949	ug/L	93
45) 1,1,2-Trichloroethane	8.40	97	2609	0.952	ug/L	91
47) Tetrachloroethene	8.56	164	2644	0.893	ug/L	98
48) 2-Hexanone	8.69	43	15317	8.633	ug/L	97
49) Dibromochloromethane	8.82	129	3534	0.985	ug/L	92
50) 1,2-Dibromoethane	8.93	107	2467	0.931	ug/L #	98
51) Chlorobenzene	9.45	112	9281	0.928	ug/L	98
52) Ethylbenzene	9.57	91	14338	0.870	ug/L	100
53) m,p-Xylene	9.69	106	5333	0.885	ug/L	86
54) o-Xylene	10.10	106	4727	0.812	ug/L	98
55) Styrene	10.11	104	8456	0.862	ug/L	100
56) Isopropylbenzene	10.48	105	13949	0.882	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	3184	0.952	ug/L #	89
59) 1,2,3-Trichloropropane	10.82	75	2588	0.990	ug/L	90
61) Bromoform	10.29	173	2032	0.997	ug/L #	97
62) 1,3-Dichlorobenzene	11.74	146	7177	0.892	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	7549	0.945	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	7180	0.959	ug/L	94
66) 1,2-Dibromo-3-chloropropan	13.00	75	689	1.131	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	5707	0.991	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	4073	0.897	ug/L	97
69) Naphthalene	14.08	128	5393	0.762	ug/L	96
70) 1,2,3-Trichlorobenzene	14.32	180	3410	0.828	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.956 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

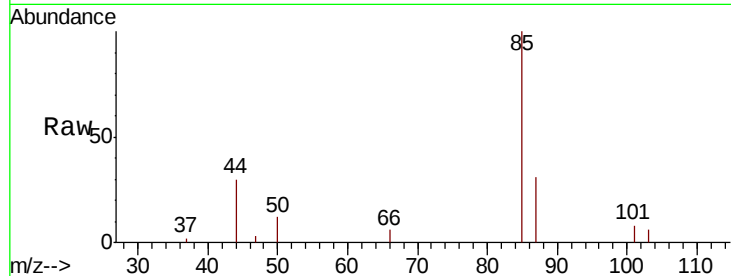
VSTD00106

Tot Ion: 85 Resp: 5052

Ion Ratio Lower Upper

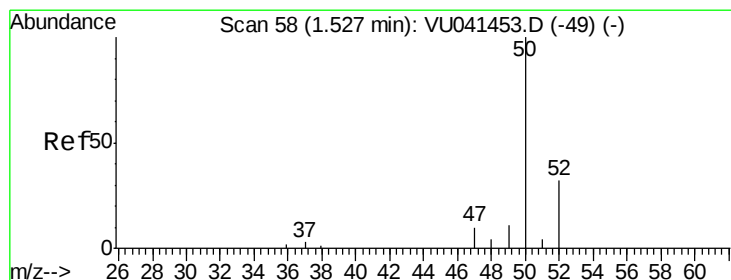
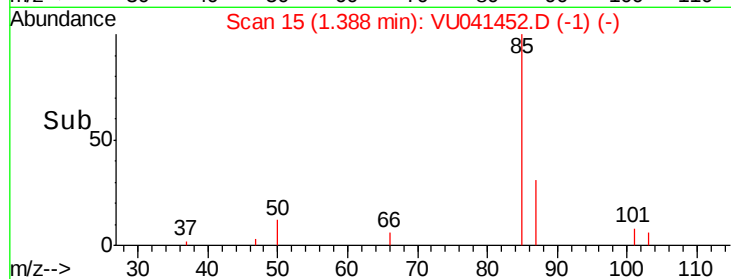
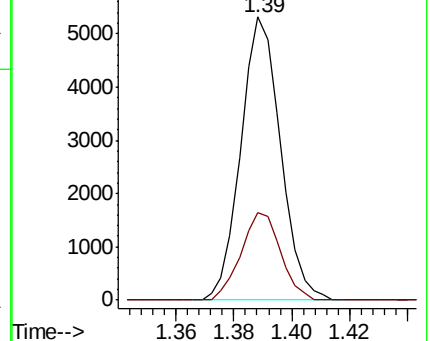
85 100

87 30.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.775 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041452.D

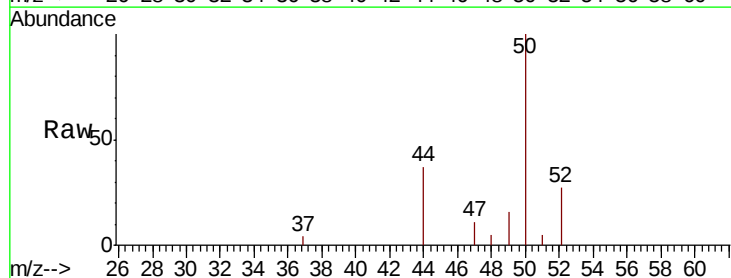
Acq: 03 Dec 2020 16:16

Tgt Ion: 50 Resp: 3298

Ion Ratio Lower Upper

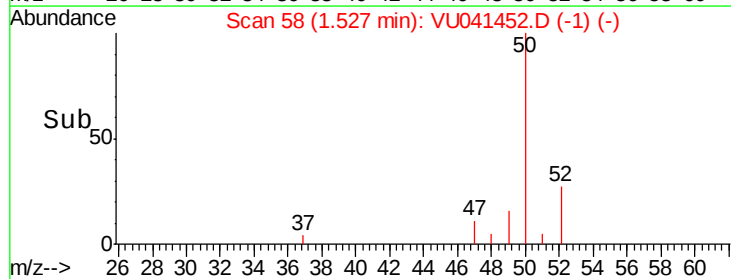
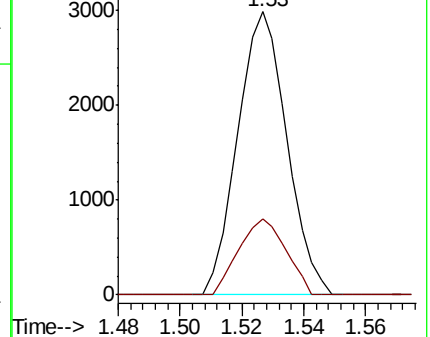
50 100

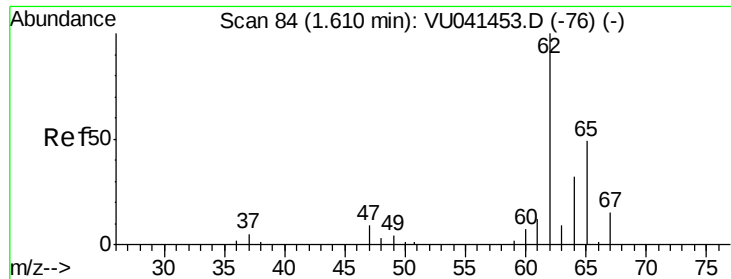
52 26.7 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.710 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

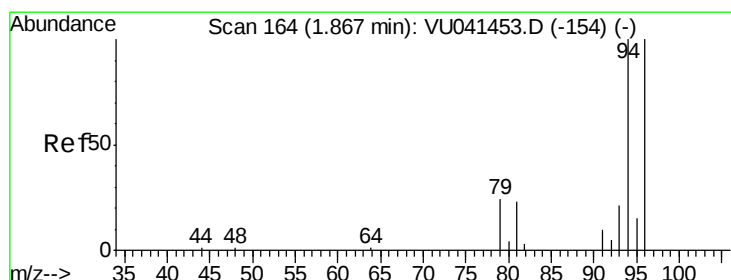
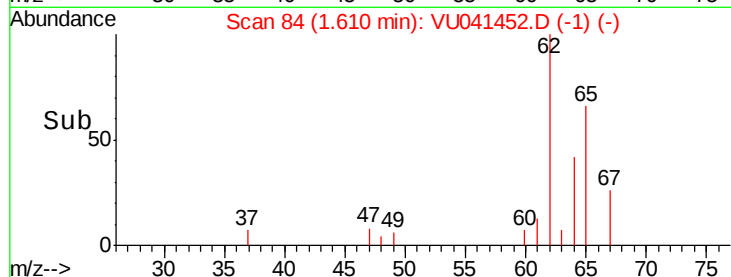
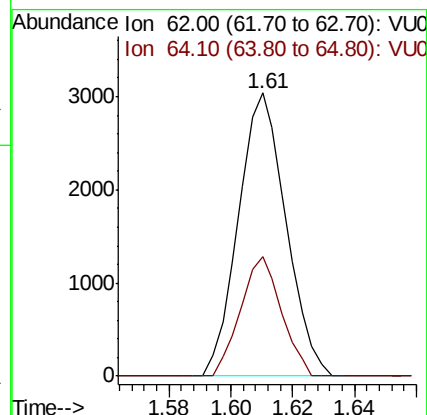
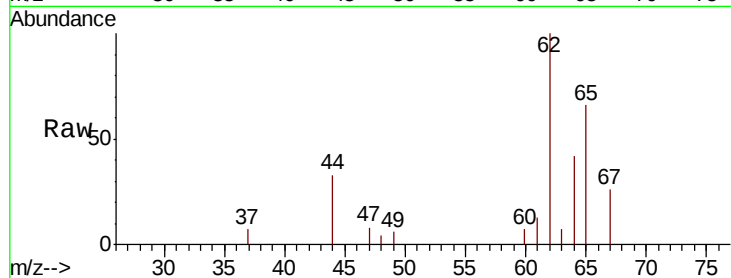
VSTD00106

Tot Ion: 62 Resp: 3252

Ion Ratio Lower Upper

62 100

64 42.3 22.5 41.7#



#6

Bromomethane

Concen: 1.268 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041452.D

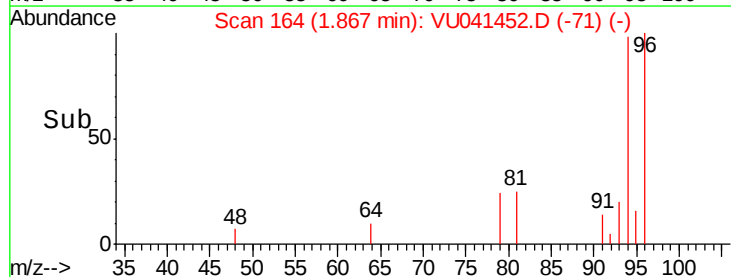
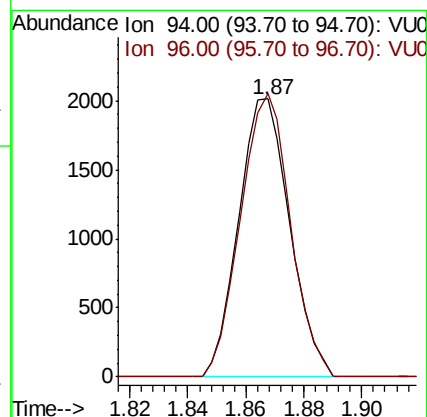
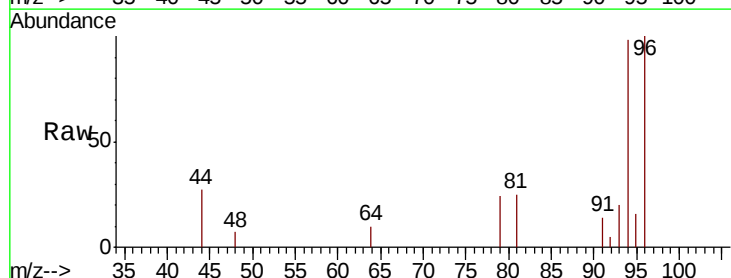
Acq: 03 Dec 2020 16:16

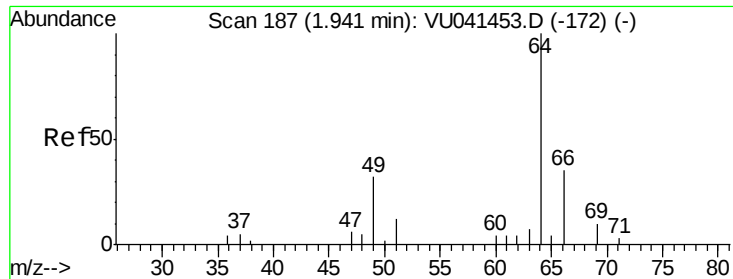
Tgt Ion: 94 Resp: 2464

Ion Ratio Lower Upper

94 100

96 101.9 69.9 129.7





#8

Chloroethane

Concen: 1.006 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

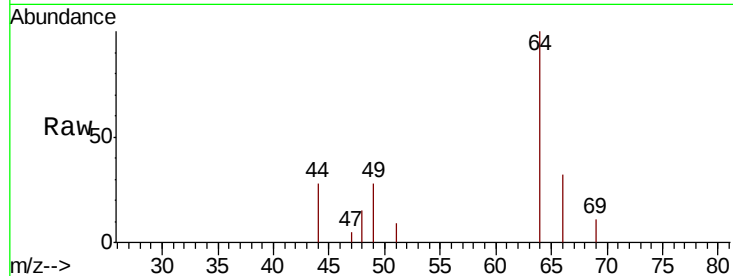
VSTD00106

Tot Ion: 64 Resp: 2696

Ion Ratio Lower Upper

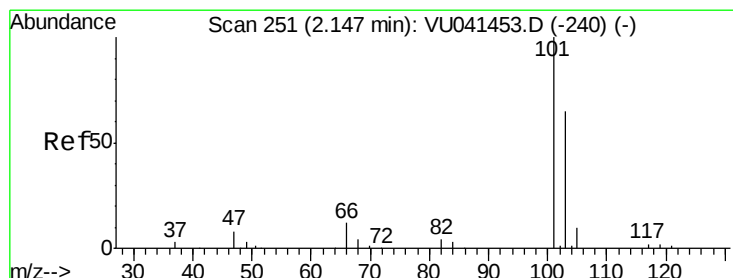
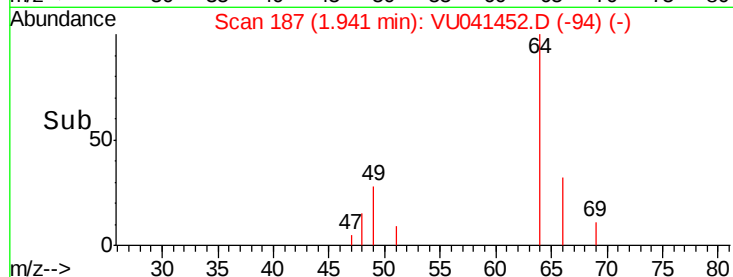
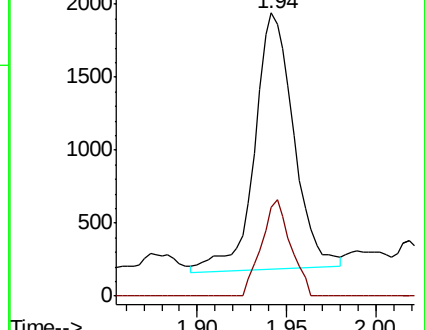
64 100

66 31.6 24.1 44.7



Abundance Ion 64.10 (63.80 to 64.80): VU041453.D (-172) (-)

Ion 66.05 (65.75 to 66.75): VU041453.D (-172) (-)



#9

Trichlorofluoromethane

Concen: 1.030 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041452.D

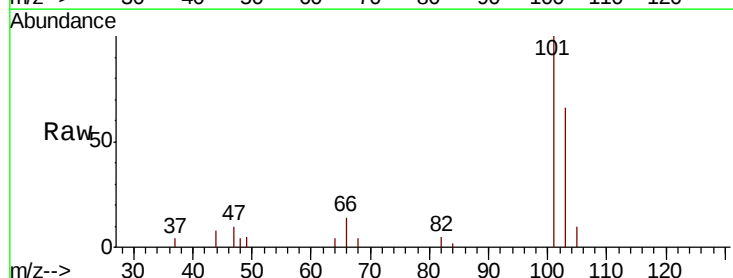
Acq: 03 Dec 2020 16:16

Tgt Ion: 101 Resp: 7872

Ion Ratio Lower Upper

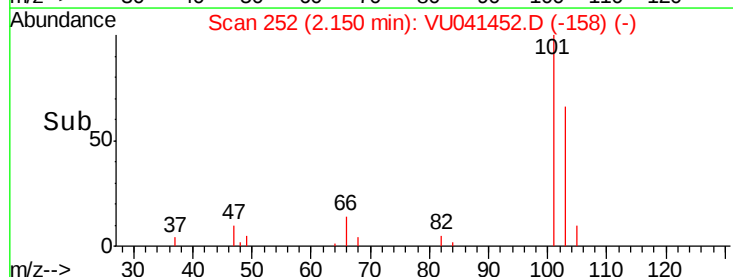
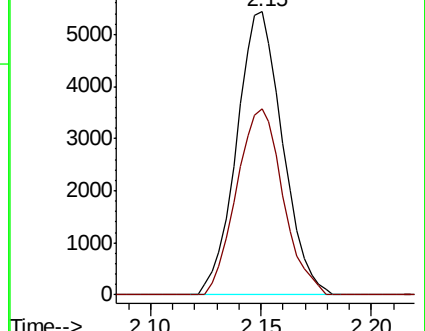
101 100

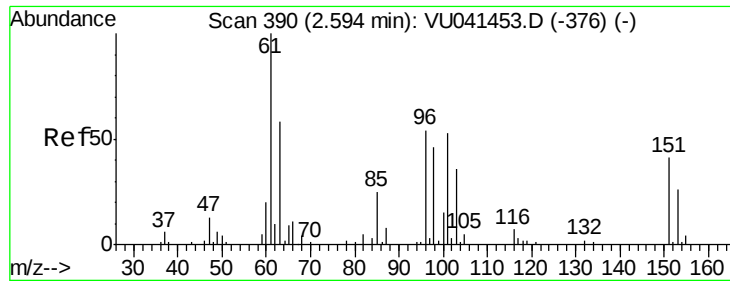
103 66.3 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU041453.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041453.D (-240) (-)





#10

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

Concen: 0.897 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00106

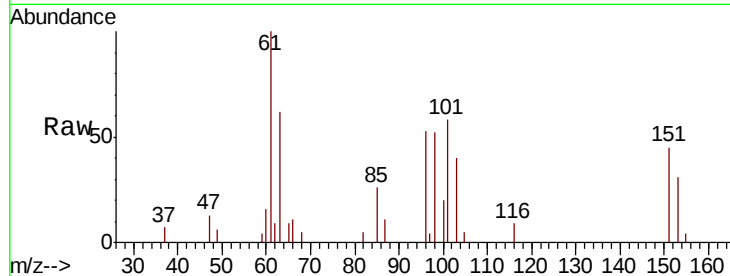
Tot Ion:101 Resp: 3362

Ion Ratio Lower Upper

101 100

85 46.5 37.4 56.0

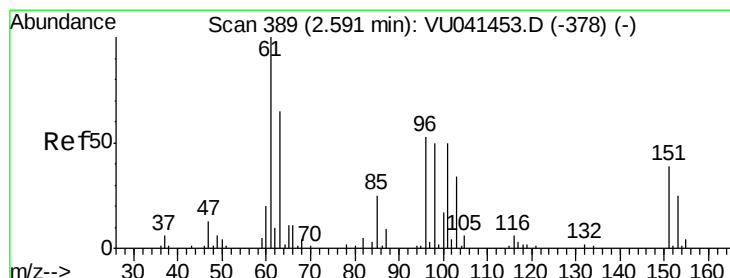
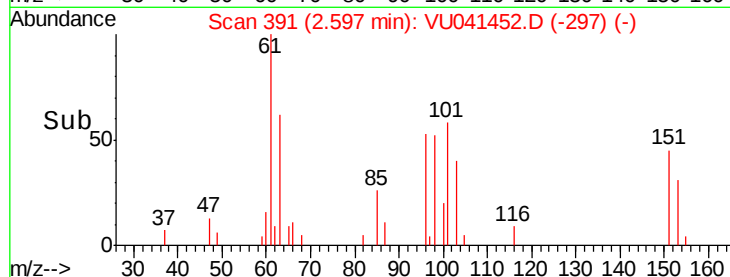
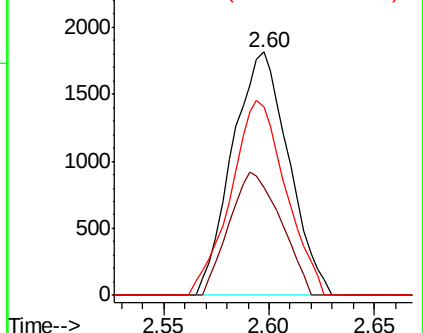
151 78.0 61.8 92.8



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: 0.840 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

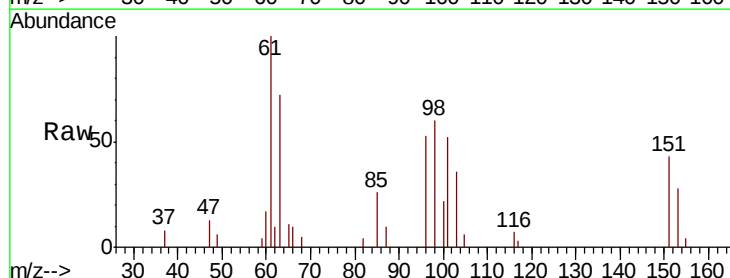
Tgt Ion: 96 Resp: 2775

Ion Ratio Lower Upper

96 100

61 187.9 132.6 246.2

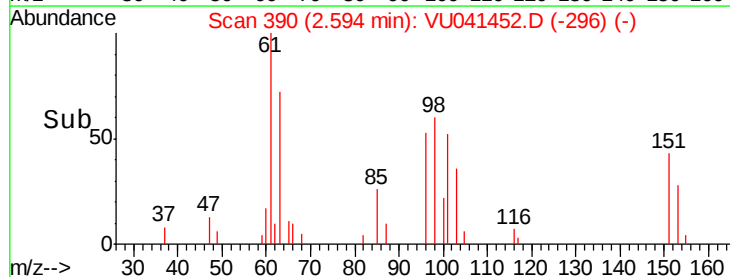
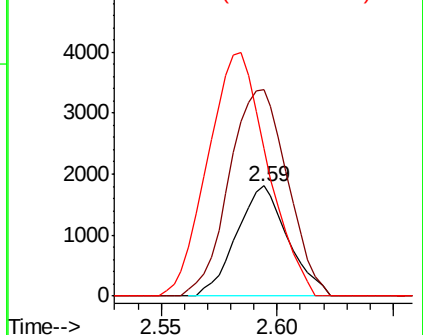
63 134.5 91.9 170.7

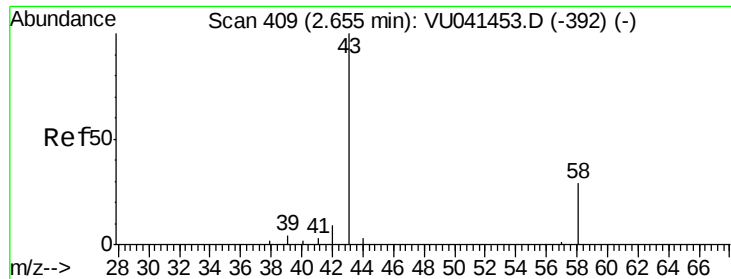


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.713 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

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MSVOA_Y

ClientSampleId :

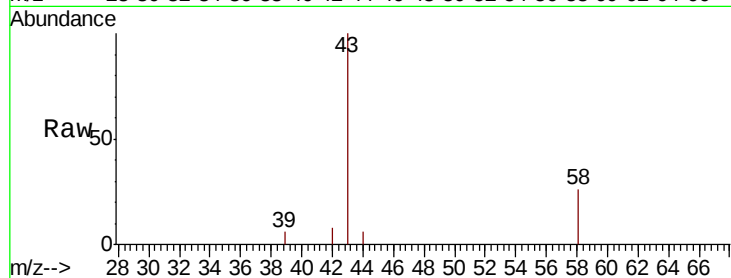
VSTD00106

Tot Ion: 43 Resp: 7254

Ion Ratio Lower Upper

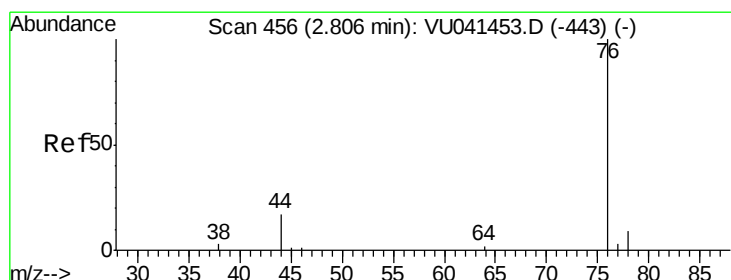
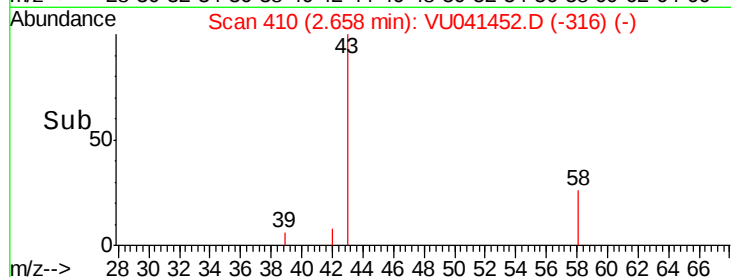
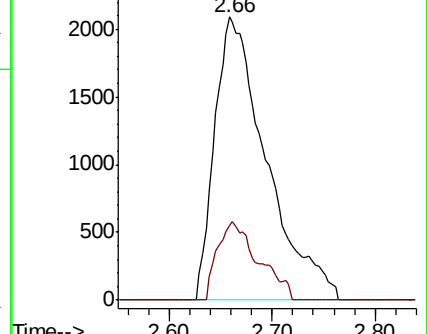
43 100

58 22.0 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU041453.D (-392) (-)

Ion 58.05 (57.75 to 58.75): VU041453.D (-392) (-)



#14

Carbon disulfide

Concen: 0.721 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041452.D

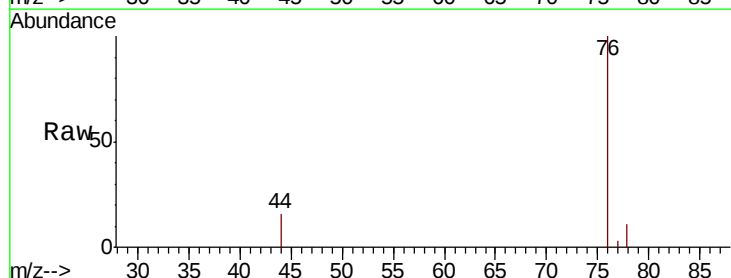
Acq: 03 Dec 2020 16:16

Tgt Ion: 76 Resp: 7963

Ion Ratio Lower Upper

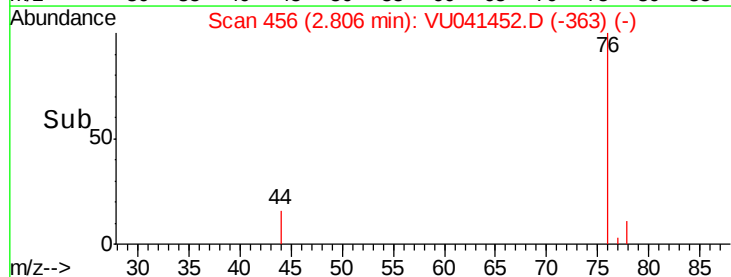
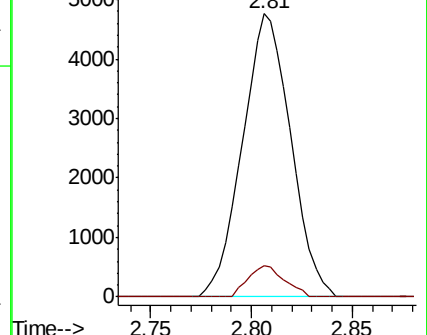
76 100

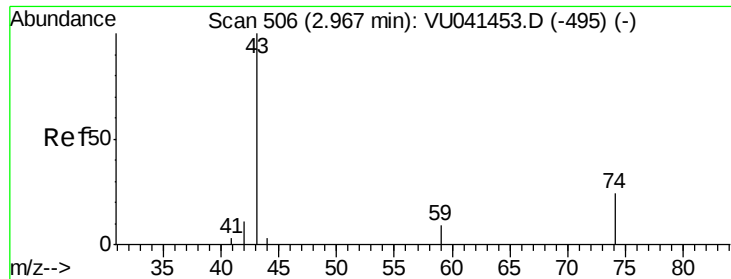
78 11.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041453.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041453.D (-443) (-)





#15

Methyl Acetate

Concen: 0.969 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.01 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

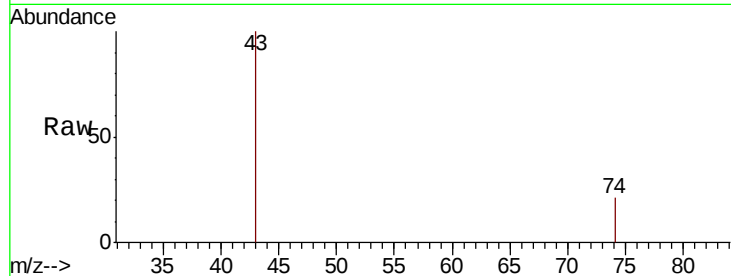
VSTD00106

Tot Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

74 5.2 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.98

600

400

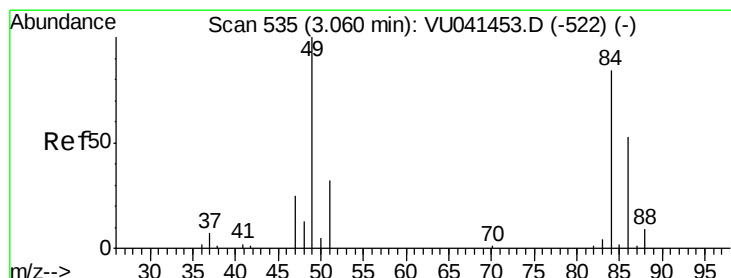
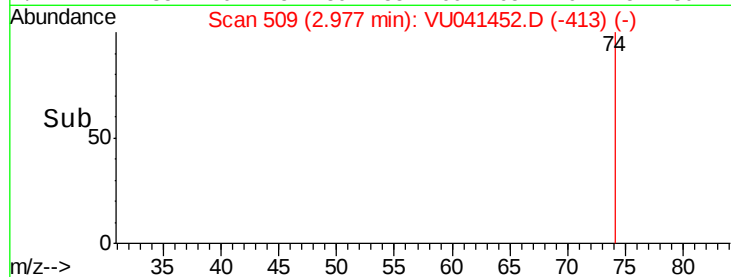
200

0

2.95

3.00

Time-->



#16

Methylene chloride

Concen: 0.850 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

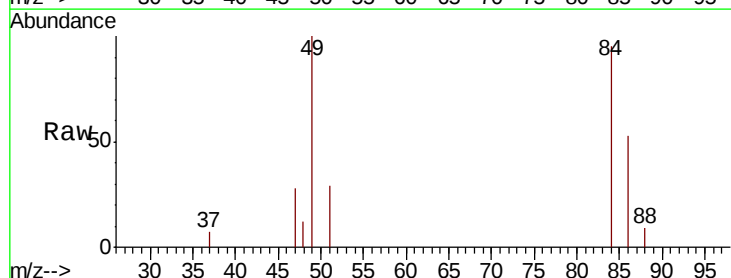
Tgt Ion: 84 Resp: 3971

Ion Ratio Lower Upper

84 100

86 55.6 44.3 82.3

49 105.6 83.2 154.4



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

3000

2500

2000

1500

1000

500

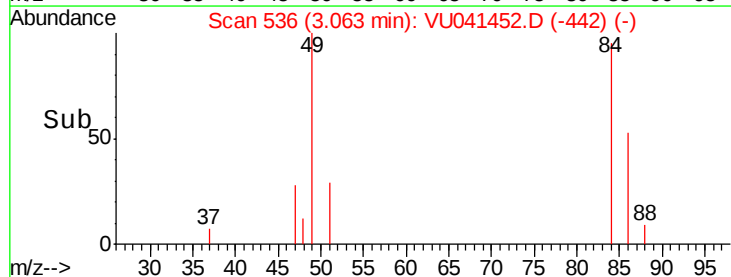
0

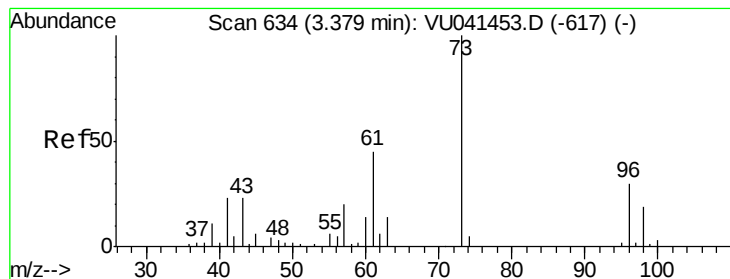
3.00

3.05

3.10

Time-->



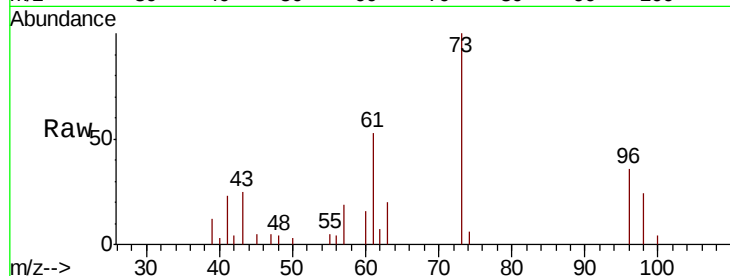


#17

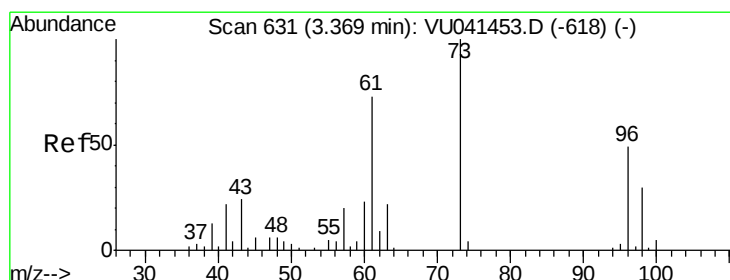
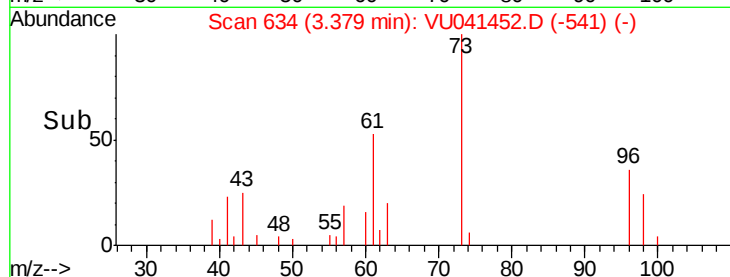
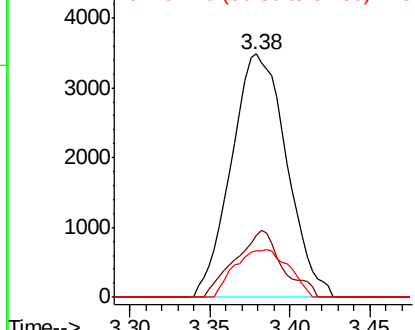
Methvl tert-butvl Ether
 Concen: 0.967 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

Tot Ion: 73 Resp: 8263
 Ion Ratio Lower Upper
 73 100
 43 23.4 19.3 28.9
 57 19.1 16.1 24.1



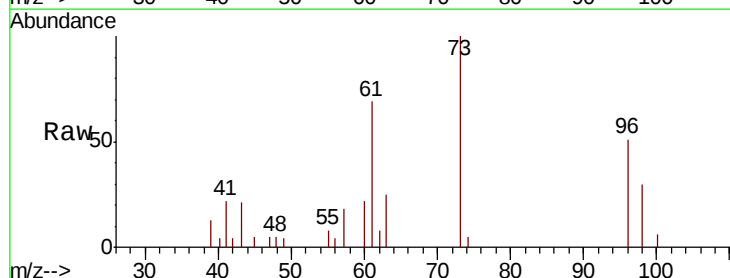
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



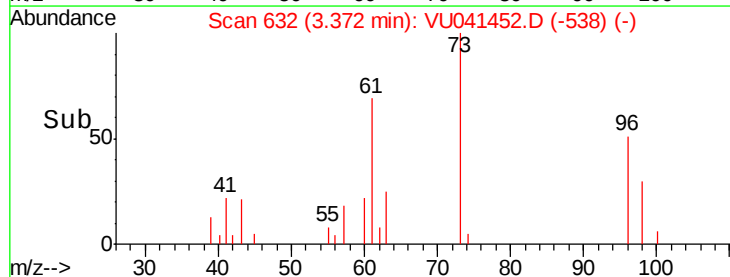
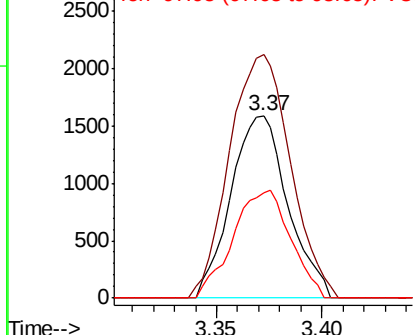
#18

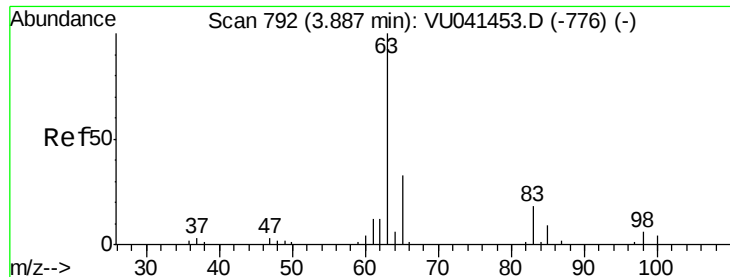
trans-1,2-Dichloroethene
 Concen: 0.839 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion: 96 Resp: 2982
 Ion Ratio Lower Upper
 96 100
 61 133.4 104.4 193.8
 98 57.7 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

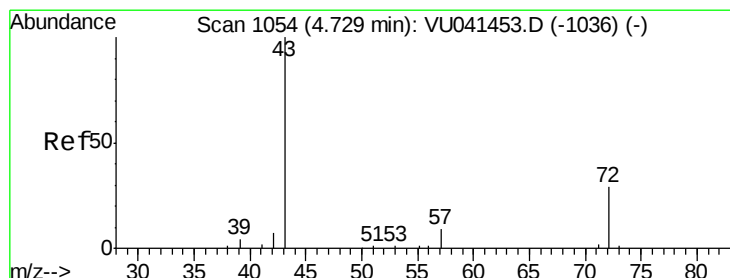
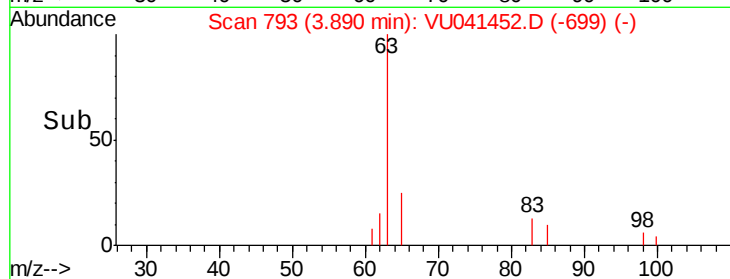
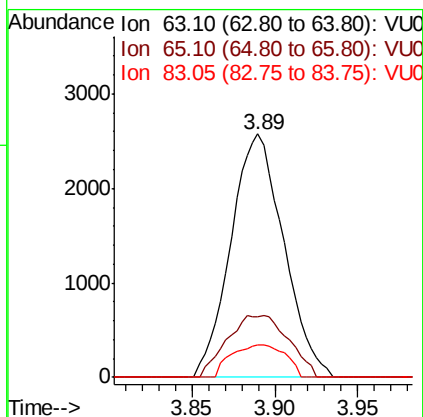
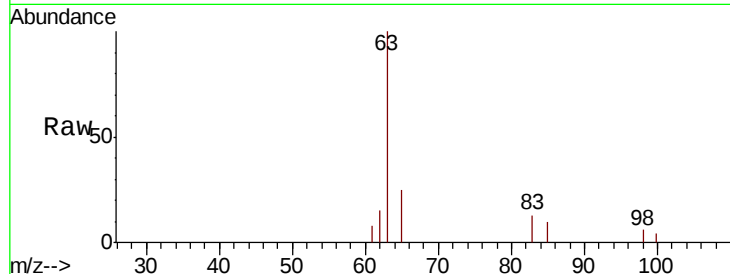




#19
 1,1-Dichloroethane
 Concen: 0.810 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

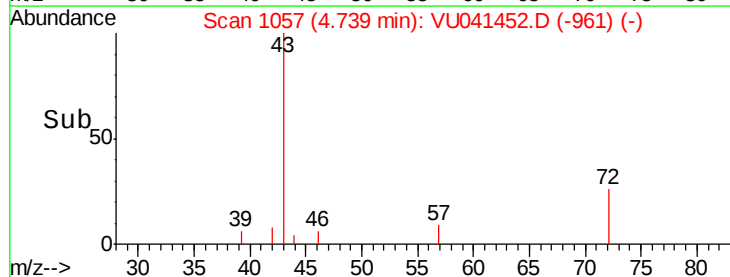
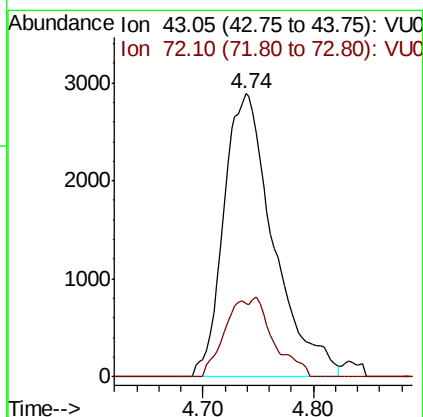
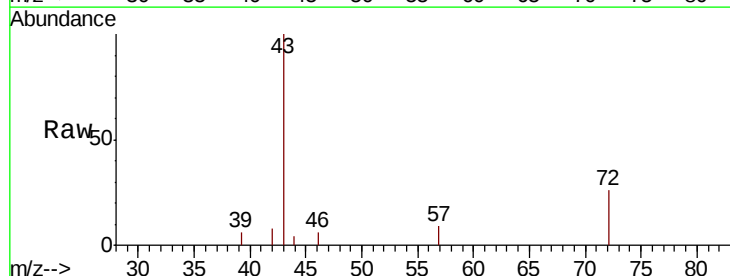
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

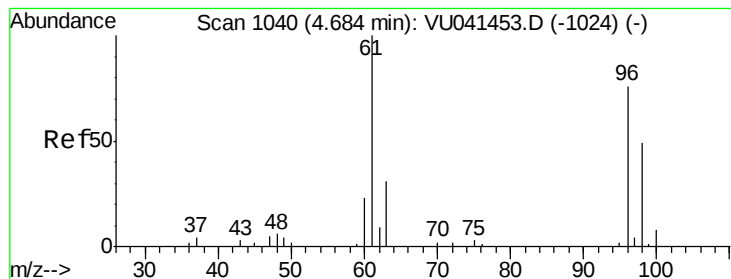
Tot Ion: 63 Resp: 5709
 Ion Ratio Lower Upper
 63 100
 65 24.7 23.3 43.3
 83 13.3 12.4 23.0



#21
 2-Butanone
 Concen: 8.754 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion: 43 Resp: 9061
 Ion Ratio Lower Upper
 43 100
 72 13.9 14.9 44.5#





#22

cis-1,2-Dichloroethene

Concen: 0.811 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00106

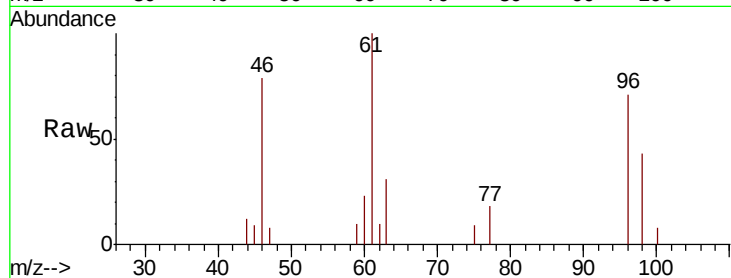
Tot Ion: 96 Resp: 3101

Ion Ratio Lower Upper

96 100

61 140.1 91.7 170.3

68 0.0 0.0 0.0

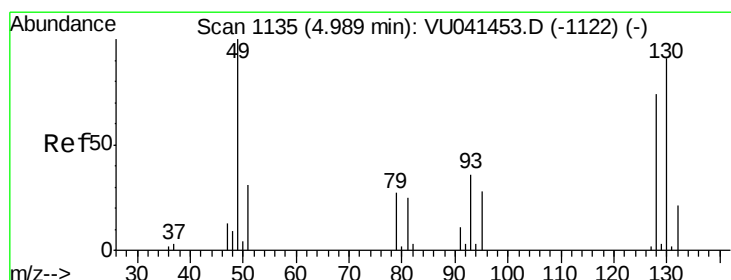
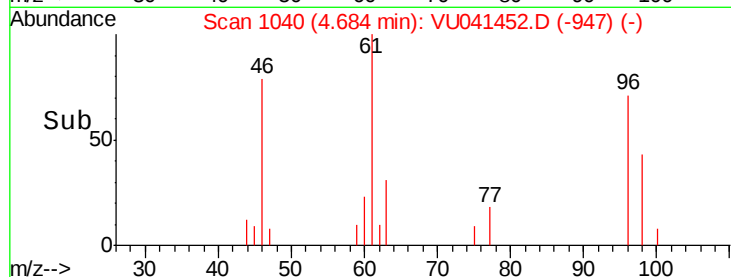
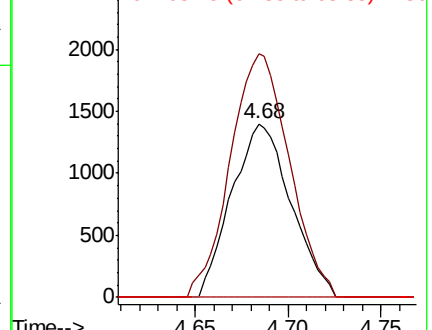


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.918 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Tgt Ion: 128 Resp: 1556

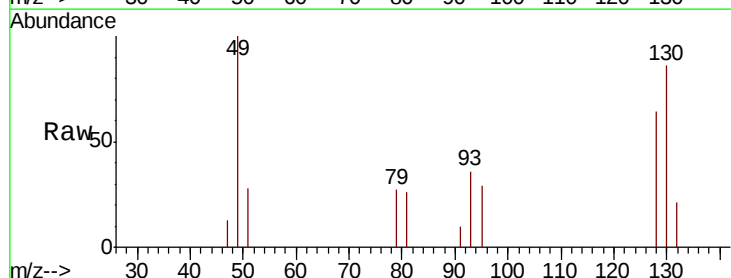
Ion Ratio Lower Upper

128 100

49 156.7 94.7 175.9

130 135.1 85.9 159.5

51 43.9 33.9 50.9



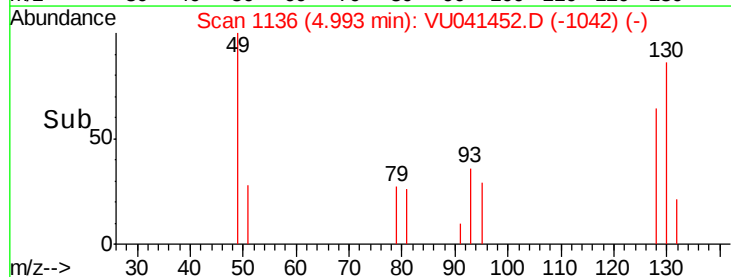
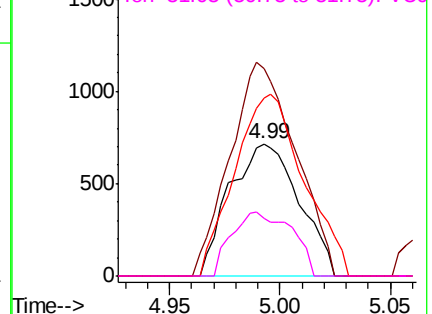
Abundance

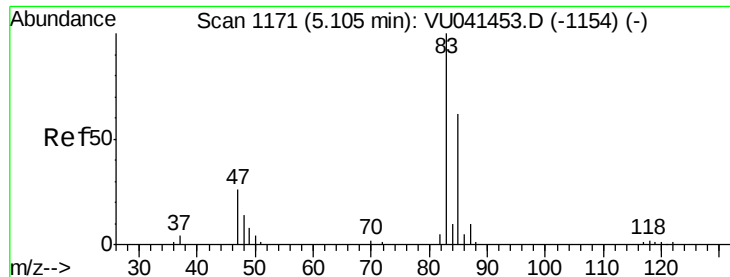
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

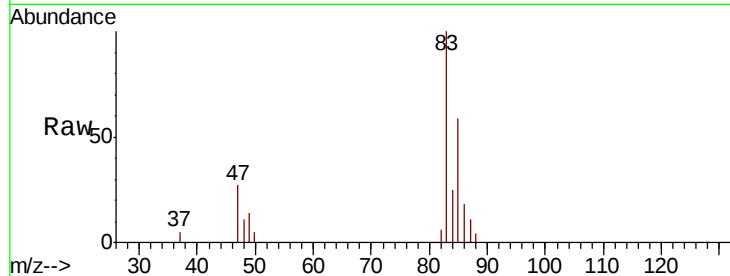




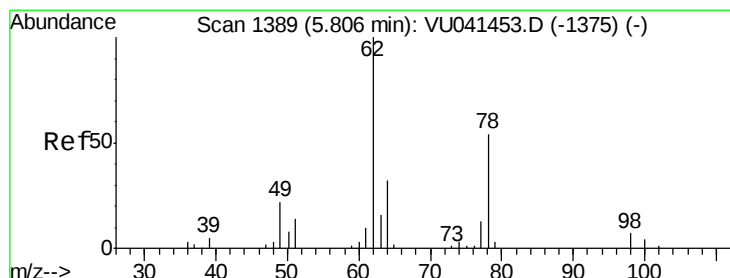
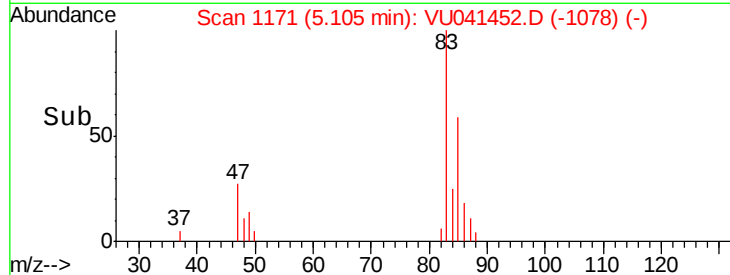
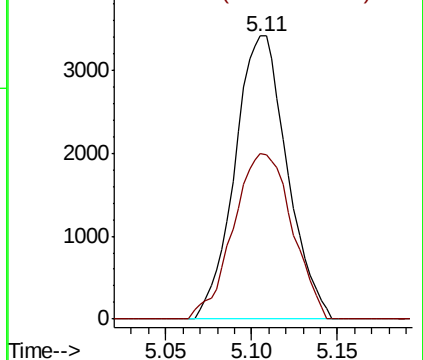
#25
Chloroform
Concen: 0.904 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00106

Tot Ion: 83 Resp: 7199
Ion Ratio Lower Upper
83 100
85 58.6 43.7 81.1

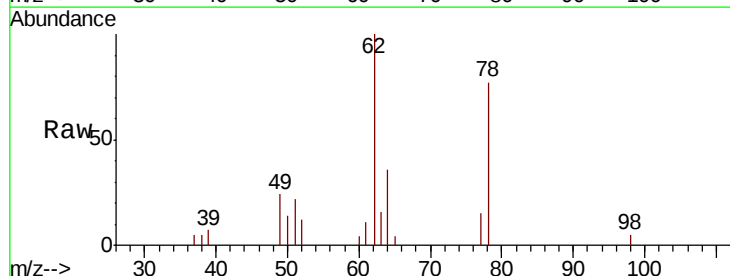


Abundance Ion 83.05 (82.75 to 83.75): VU041452.D (-1078) (-)
Ion 85.00 (84.70 to 85.70): VU041452.D (-1078) (-)

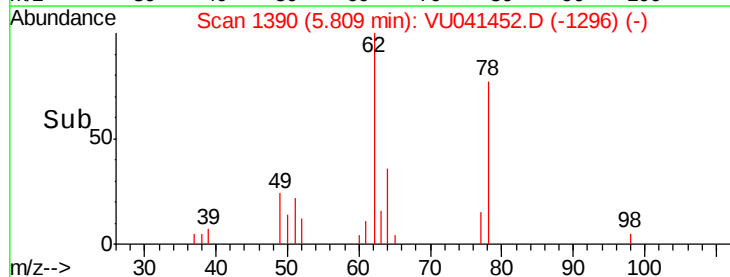
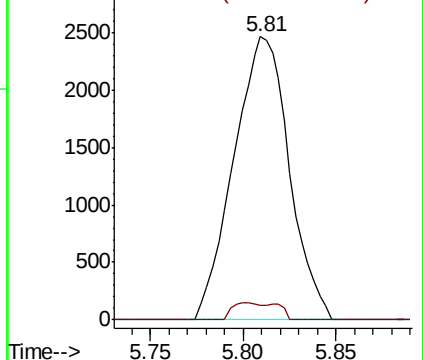


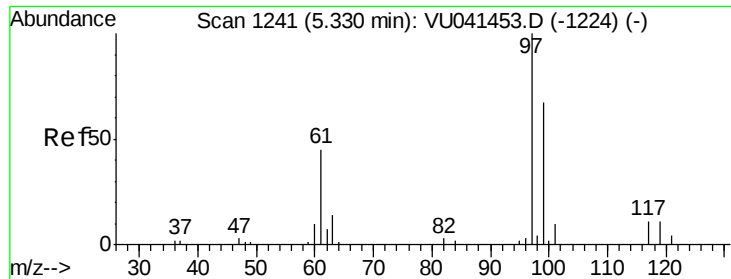
#27
1,2-Dichloroethane
Concen: 0.969 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Tgt Ion: 62 Resp: 5131
Ion Ratio Lower Upper
62 100
98 5.4 5.6 8.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041452.D (-1296) (-)
Ion 98.05 (97.75 to 98.75): VU041452.D (-1296) (-)

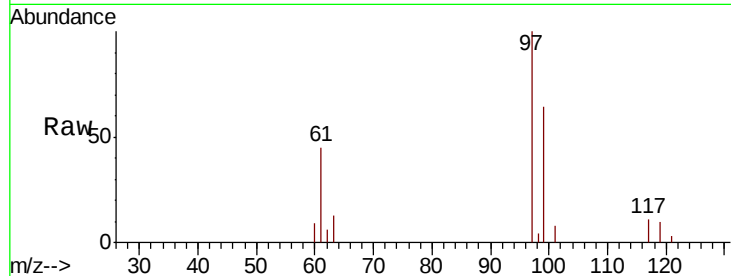




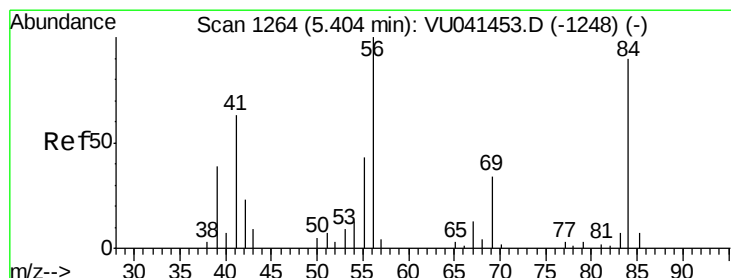
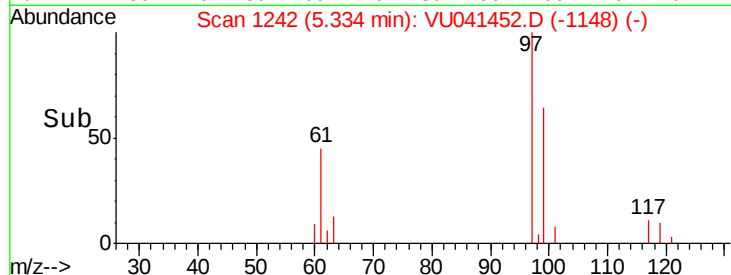
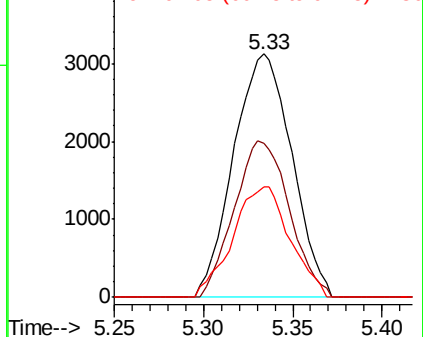
#29
1,1,1-Trichloroethane
Concen: 1.030 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Instrument :
MSVOA_Y
ClientSampled :
VSTD00106

Tot Ion: 97 Resp: 7112
Ion Ratio Lower Upper
97 100
99 61.2 51.0 76.6
61 44.6 34.7 52.1

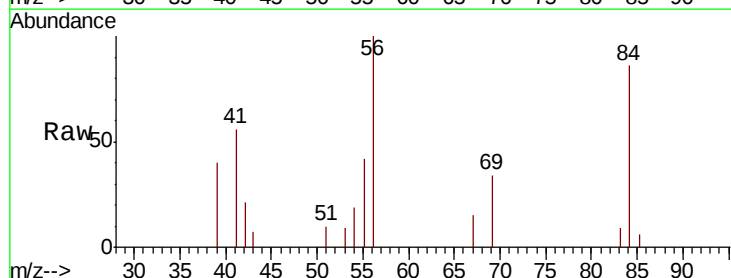


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

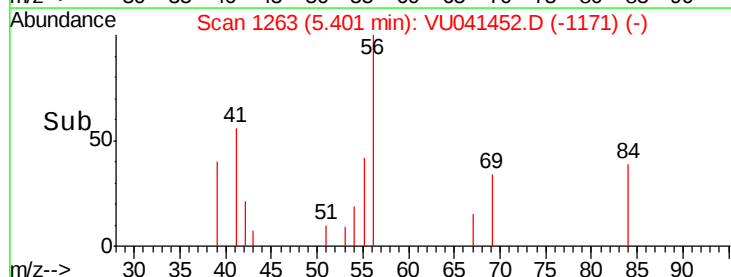
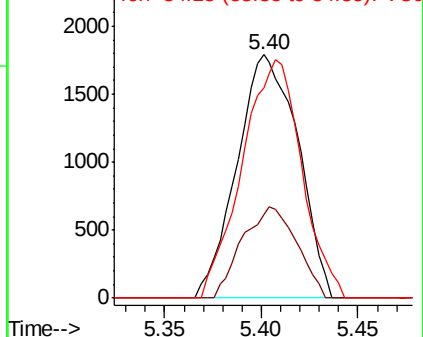


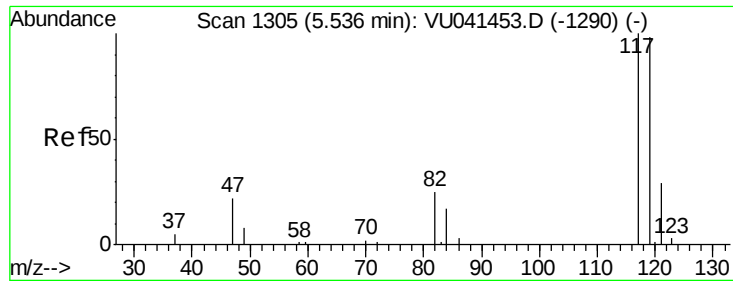
#30
Cyclohexane
Concen: 0.718 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Tgt Ion: 56 Resp: 3929
Ion Ratio Lower Upper
56 100
69 33.4 26.6 39.8
84 95.5 76.7 115.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0



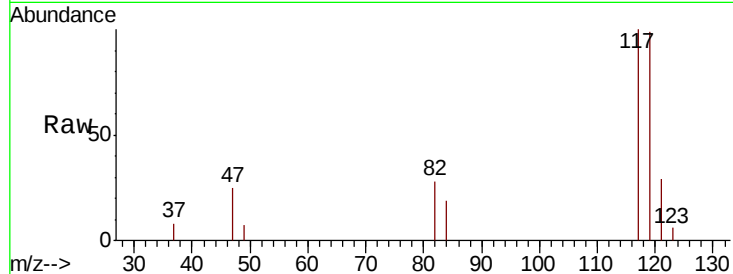


#31

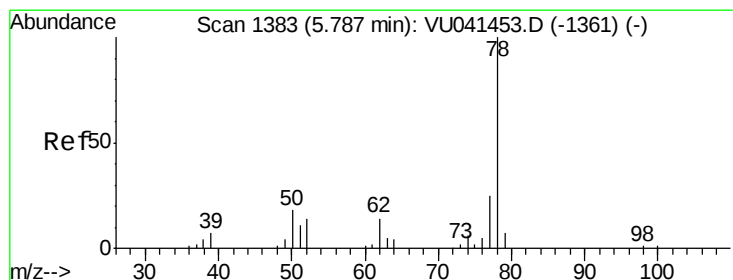
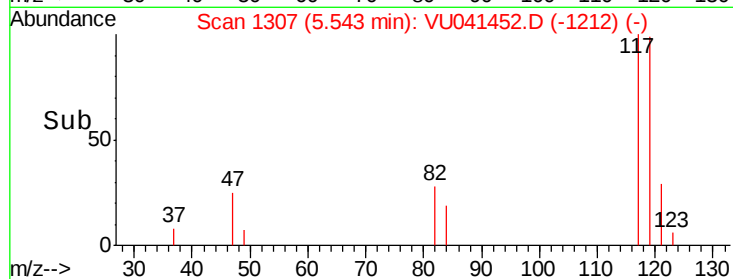
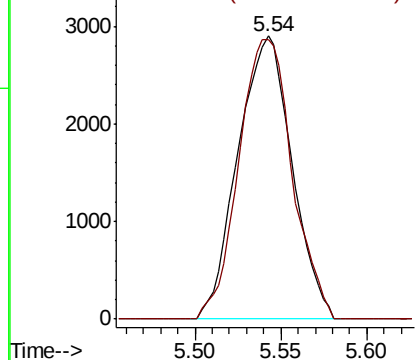
Carbon tetrachloride
Concen: 1.008 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00106

Tot Ion:117 Resp: 6314
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.4



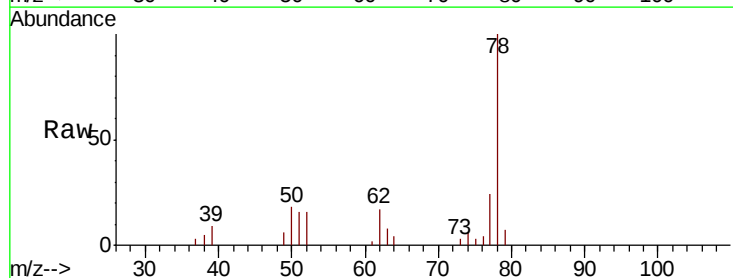
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



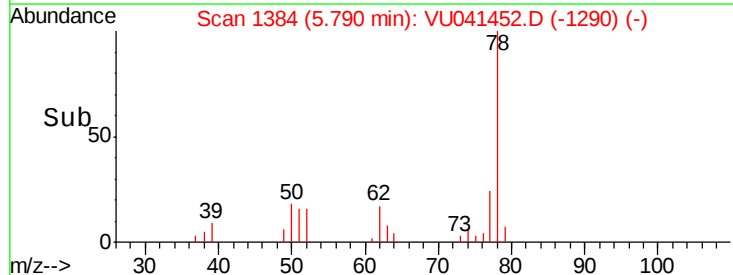
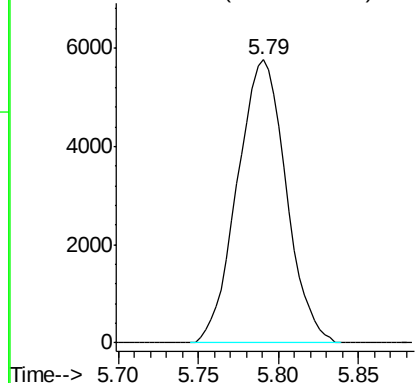
#33

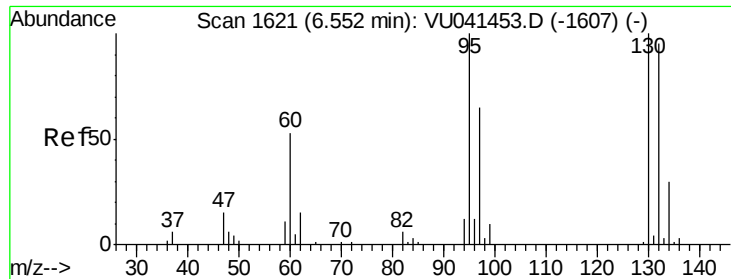
Benzene
Concen: 0.839 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Tgt Ion: 78 Resp: 12007



Abundance Ion 78.10 (77.80 to 78.80): VU0

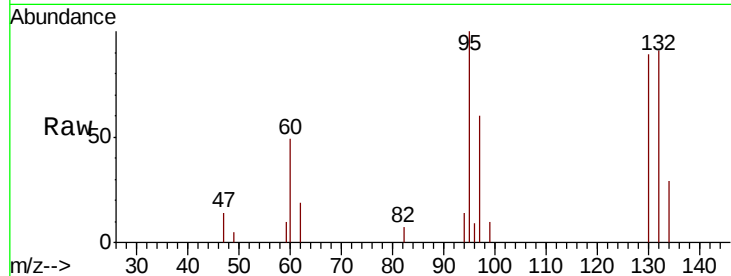




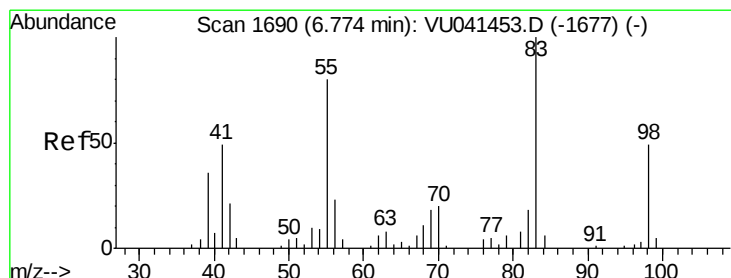
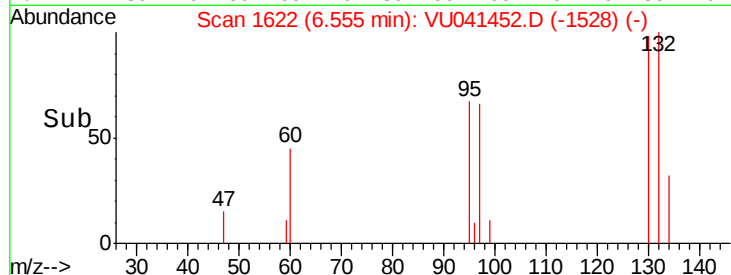
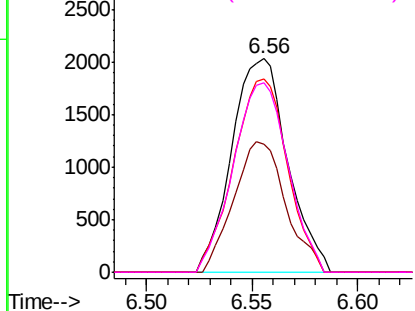
#34
 Trichloroethene
 Concen: 0.955 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

Tot Ion: 95 Resp: 3744
 Ion Ratio Lower Upper
 95 100
 97 60.2 45.8 85.0
 132 90.7 66.5 123.5
 130 88.6 70.3 130.5

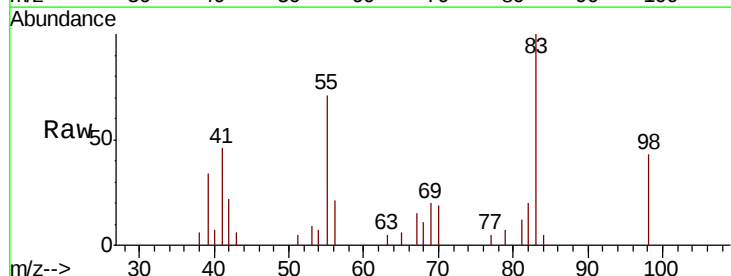


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

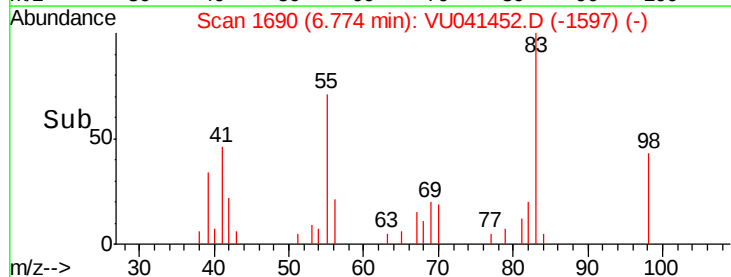
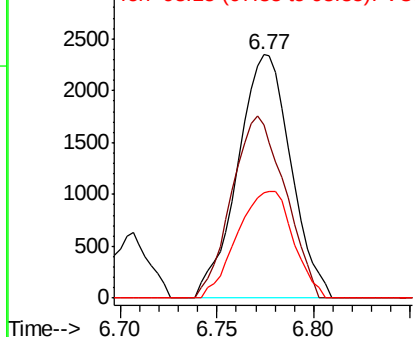


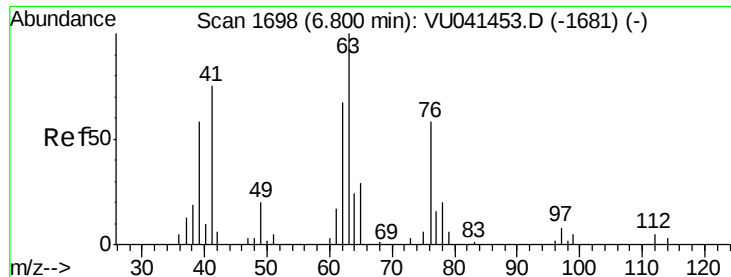
#35
 Methylcyclohexane
 Concen: 0.798 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion: 83 Resp: 4482
 Ion Ratio Lower Upper
 83 100
 55 75.2 62.2 93.2
 98 46.2 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

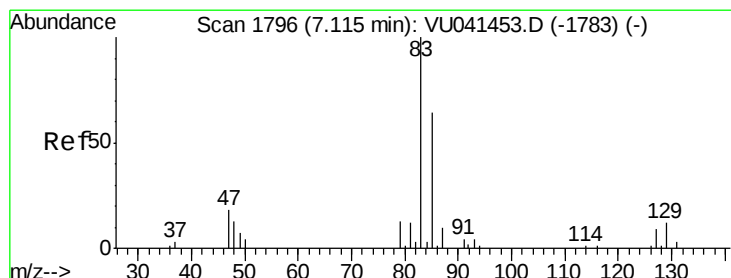
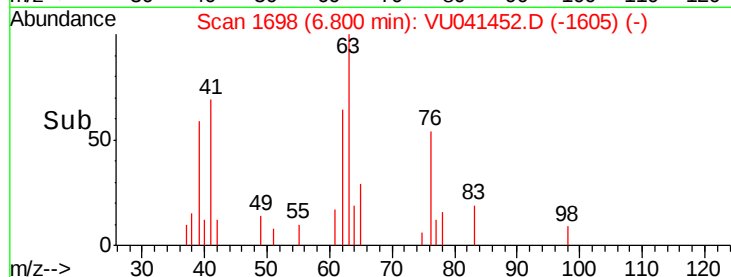
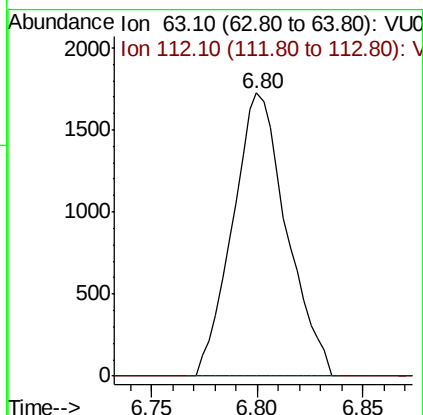
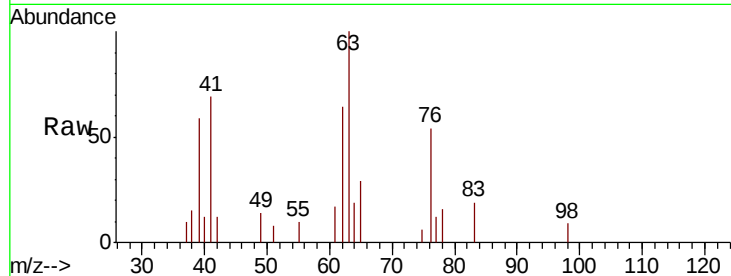




#37
 1,2-Dichloropropane
 Concen: 0.798 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

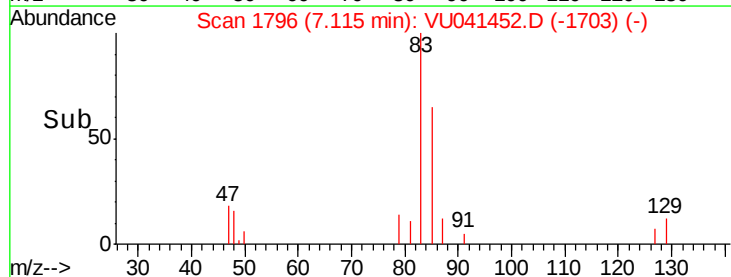
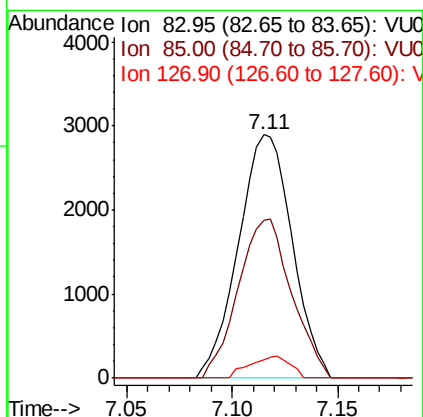
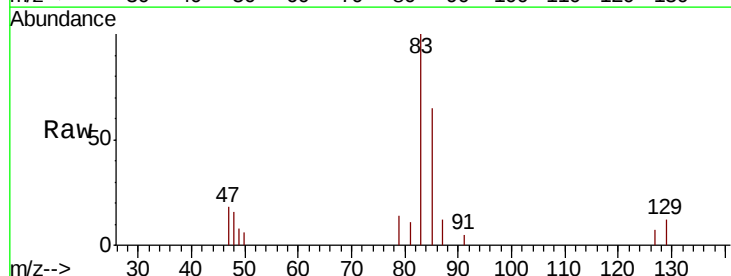
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

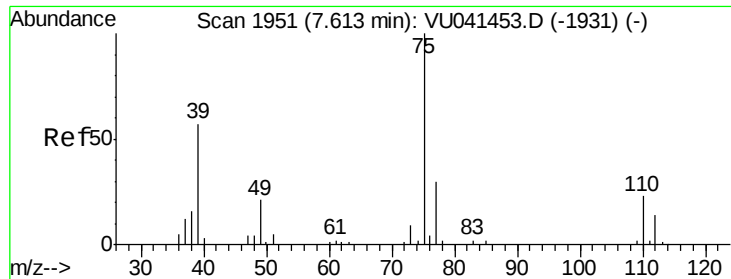
Tot Ion: 63 Resp: 3060
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.945 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion: 83 Resp: 5135
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.8 83.2
 127 7.4 7.0 10.4

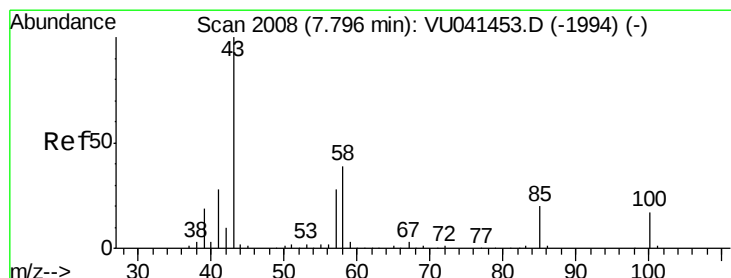
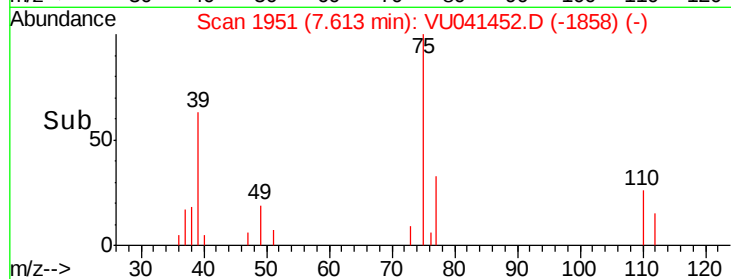
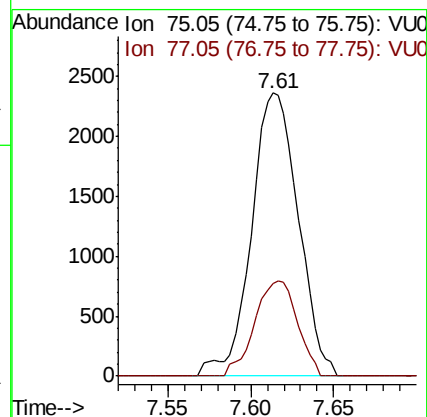
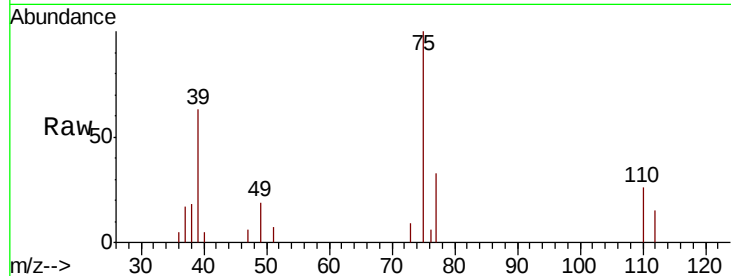




#39
 cis-1,3-Dichloropropene
 Concen: 0.852 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

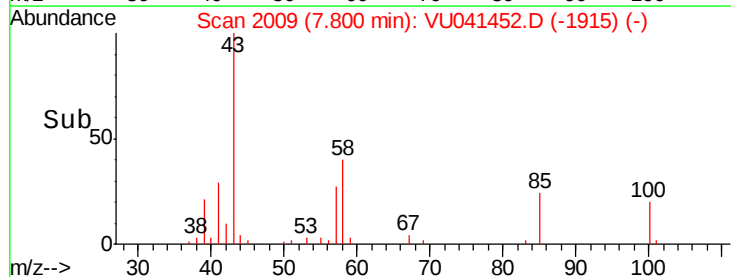
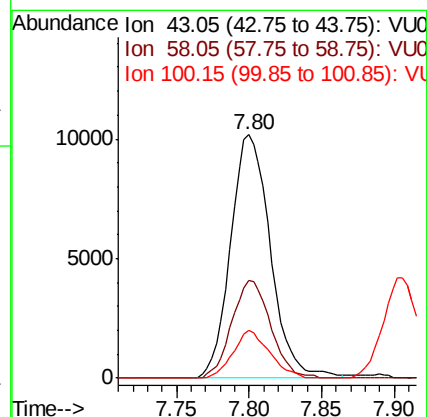
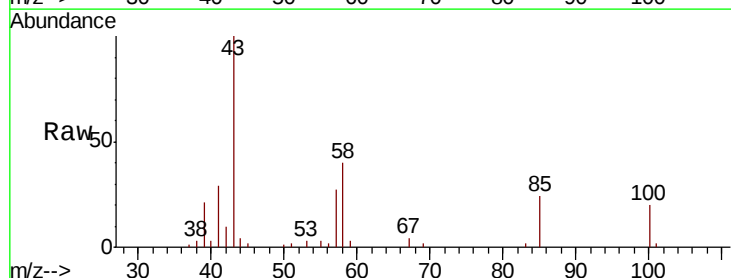
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

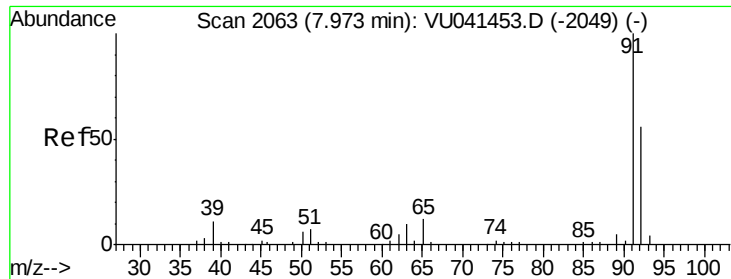
Tot Ion: 75 Resp: 4641
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 8.068 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion: 43 Resp: 19409
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.1 46.7
 100 17.9 13.7 20.5





#42

Toluene

Concen: 0.831 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

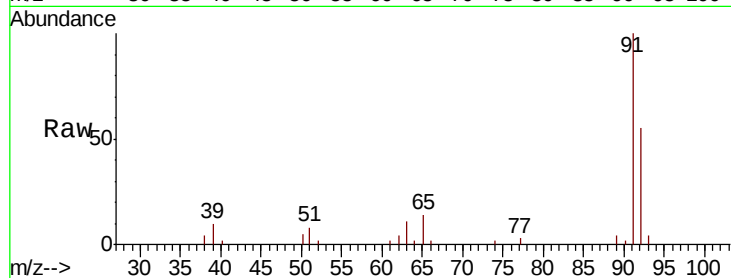
VSTD00106

Tot Ion: 91 Resp: 12700

Ion Ratio Lower Upper

91 100

92 55.0 39.5 73.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

8000

6000

4000

2000

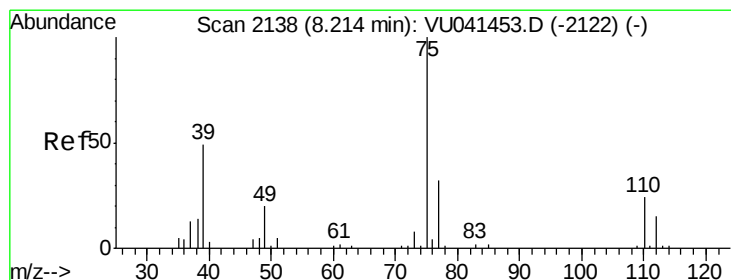
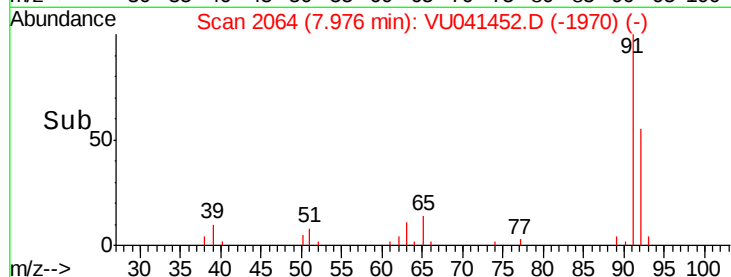
0

Time-->

7.90

7.95

8.00



#44

trans-1,3-Dichloropropene

Concen: 0.949 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041452.D

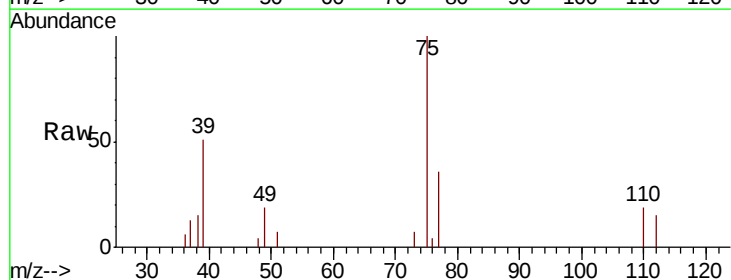
Acq: 03 Dec 2020 16:16

Tgt Ion: 75 Resp: 4788

Ion Ratio Lower Upper

75 100

77 36.0 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

3000

2500

2000

1500

1000

500

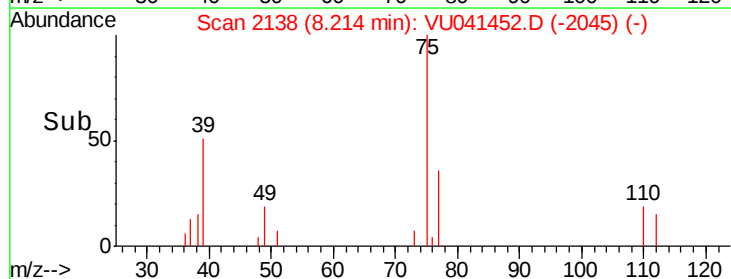
0

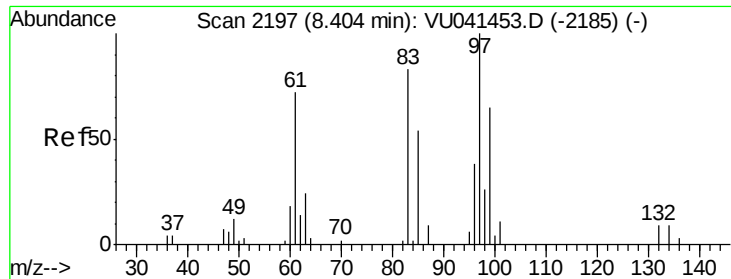
Time-->

8.15

8.20

8.25

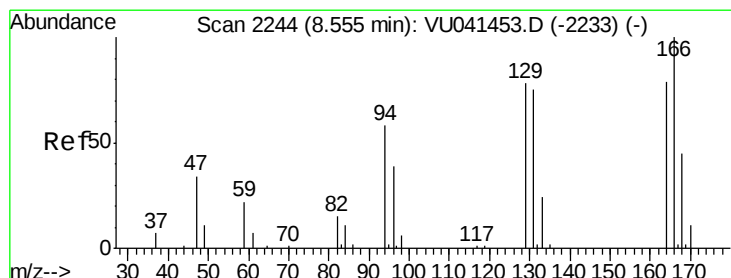
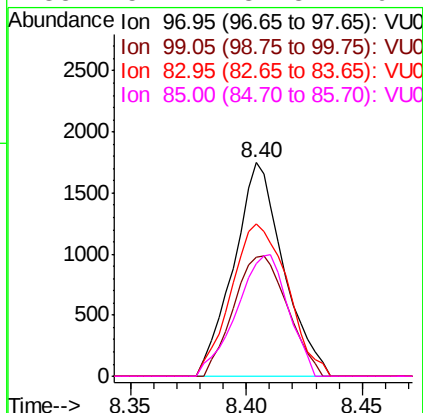
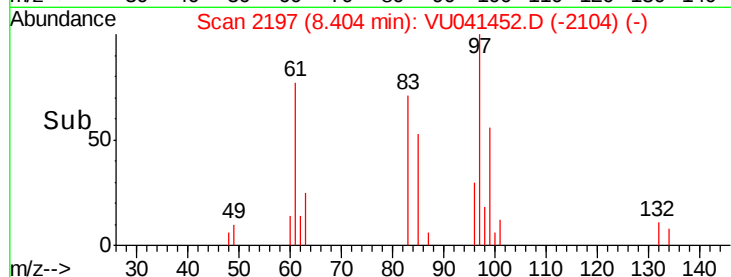
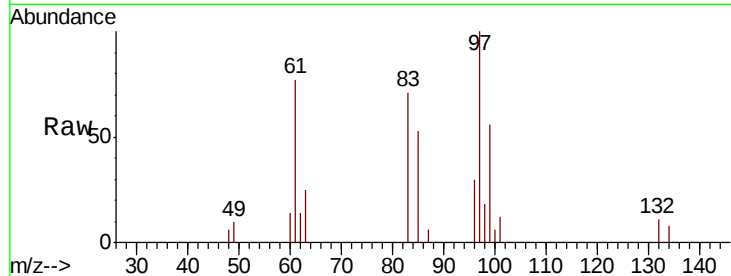




#45
1,1,2-Trichloroethane
Concen: 0.952 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

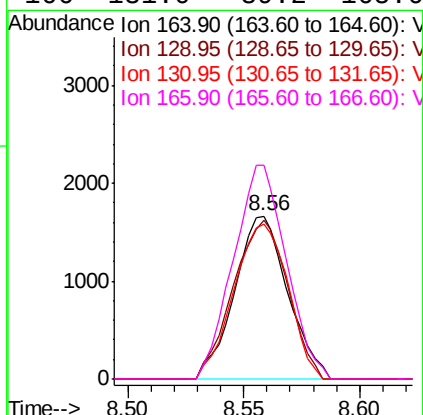
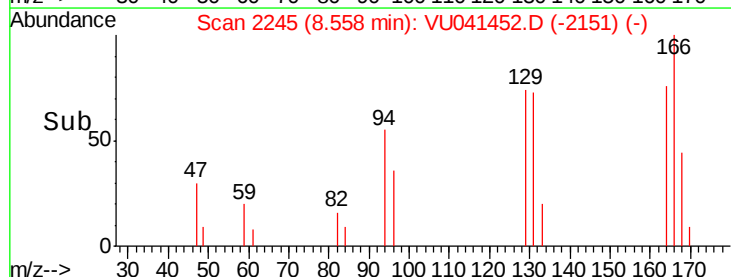
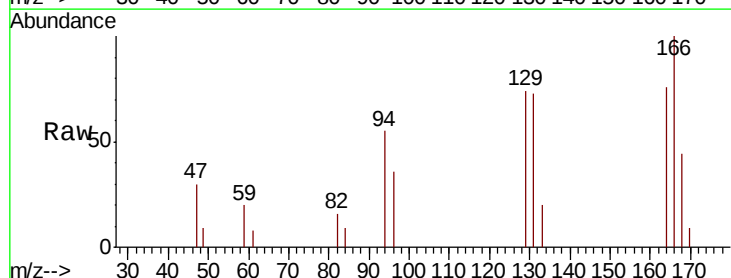
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00106

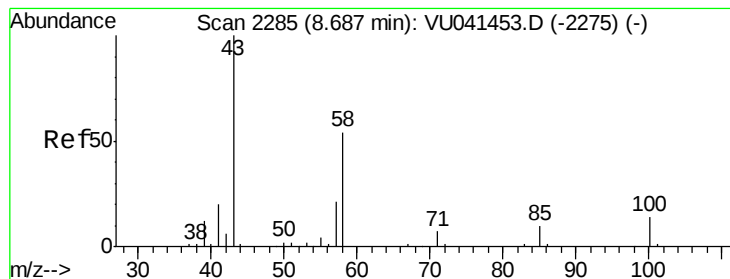
Tot Ion: 97 Resp: 2609
Ion Ratio Lower Upper
97 100
99 55.6 45.2 84.0
83 71.3 57.8 107.4
85 52.7 37.8 70.2



#47
Tetrachloroethene
Concen: 0.893 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Tgt Ion: 164 Resp: 2644
Ion Ratio Lower Upper
164 100
129 97.4 69.4 128.8
131 95.1 66.5 123.5
166 131.0 89.2 165.6





#48

2-Hexanone

Concen: 8.633 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00106

Tot Ion: 43 Resp: 15317

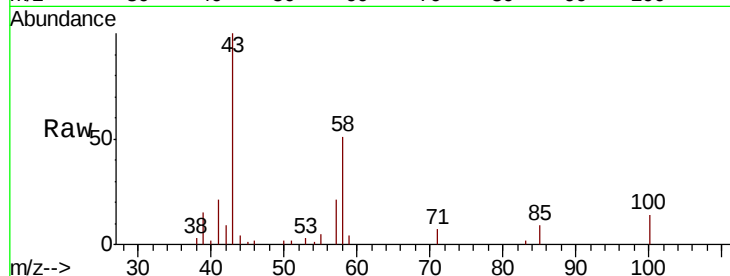
Ion Ratio Lower Upper

43 100

58 51.1 42.9 64.3

57 19.6 17.2 25.8

100 12.9 10.6 15.8



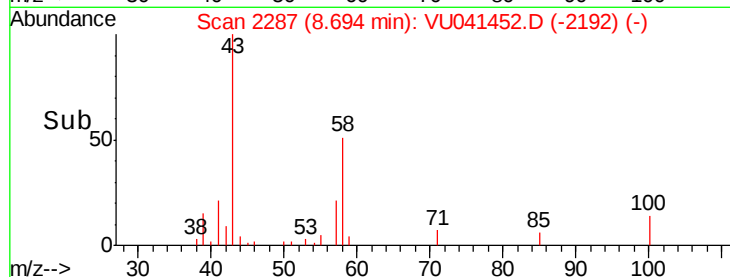
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

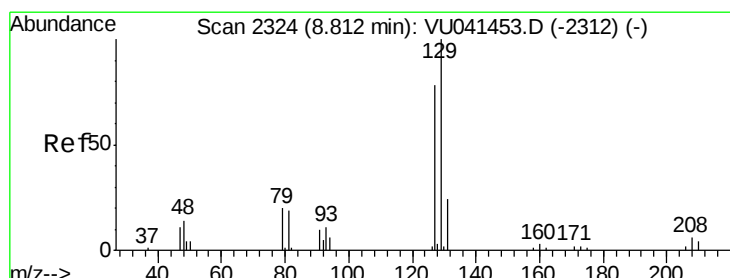
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

Time-->



Time-->



#49

Dibromochloromethane

Concen: 0.985 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041452.D

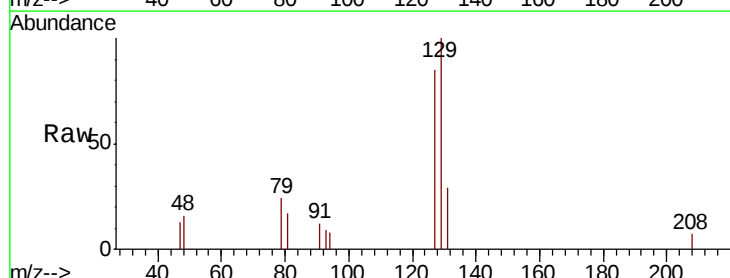
Acq: 03 Dec 2020 16:16

Tgt Ion: 129 Resp: 3534

Ion Ratio Lower Upper

129 100

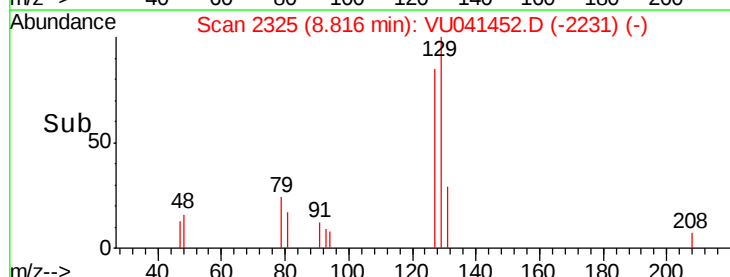
127 84.7 54.6 101.4



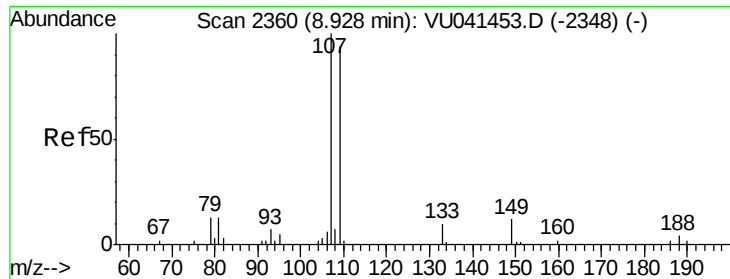
Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->



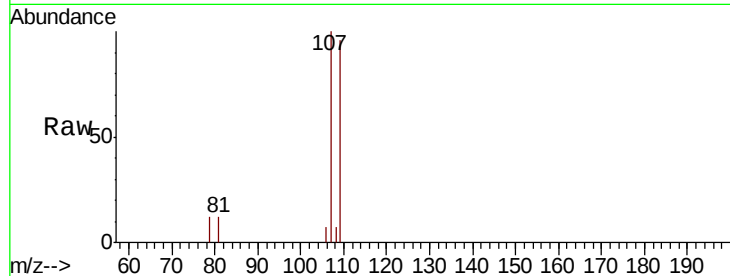
Time-->



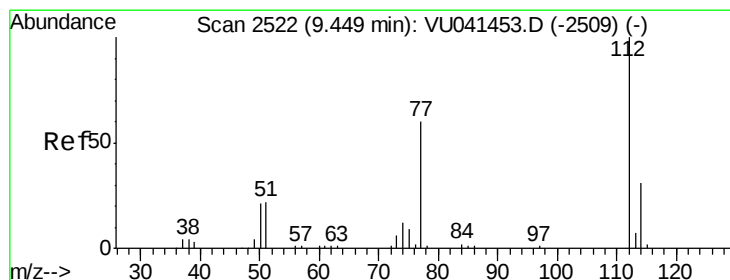
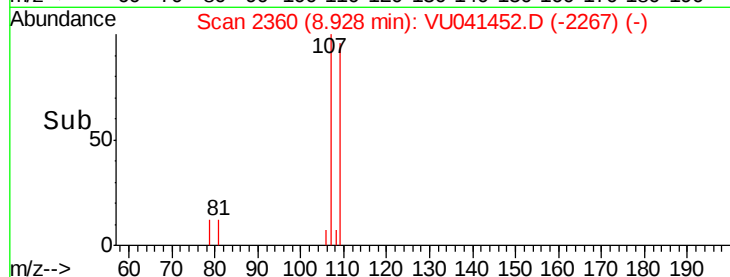
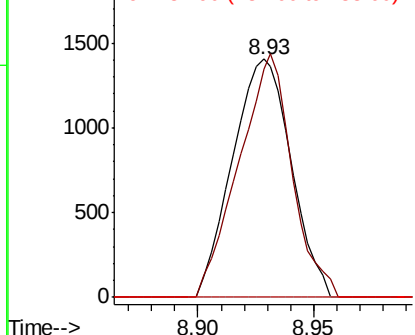
#50
1,2-Dibromoethane
Concen: 0.931 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00106

Tot Ion:107 Resp: 2467
Ion Ratio Lower Upper
107 100
109 95.9 66.0 122.6
188 0.0 3.1 4.7#

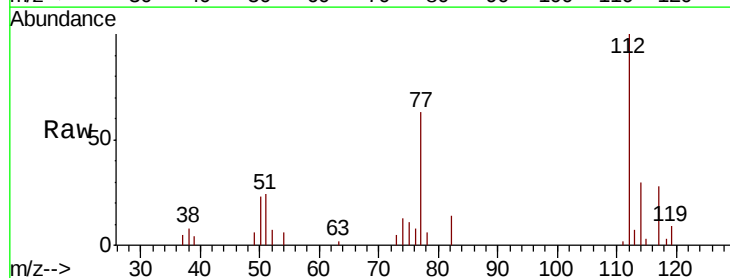


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

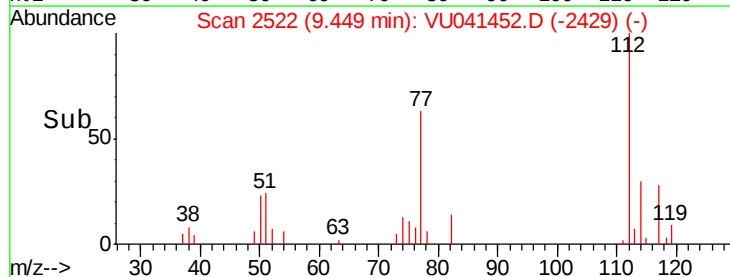
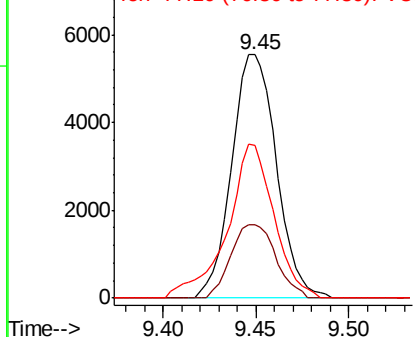


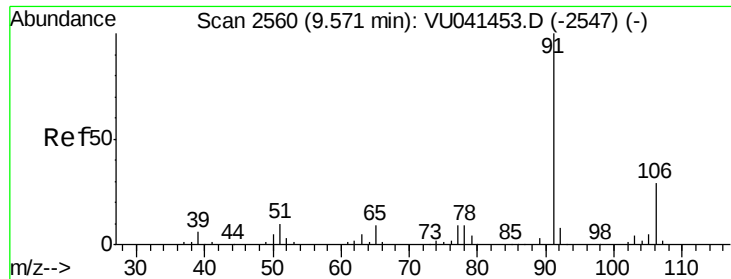
#51
Chlorobenzene
Concen: 0.928 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Tgt Ion:112 Resp: 9281
Ion Ratio Lower Upper
112 100
114 30.1 22.0 41.0
77 62.9 48.8 73.2



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): VU





#52

Ethylbenzene

Concen: 0.870 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

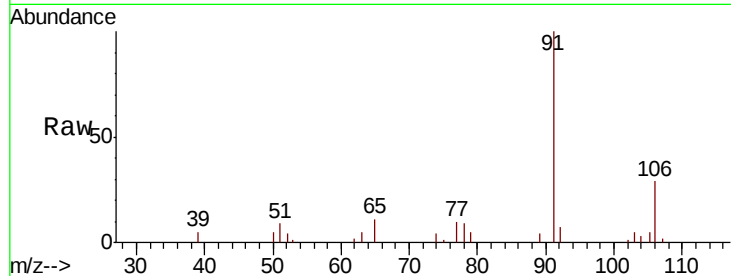
VSTD00106

Tot Ion: 91 Resp: 14338

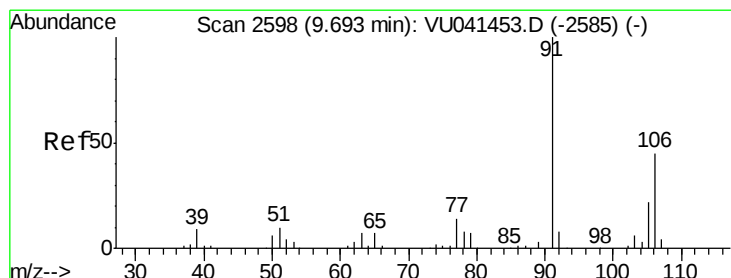
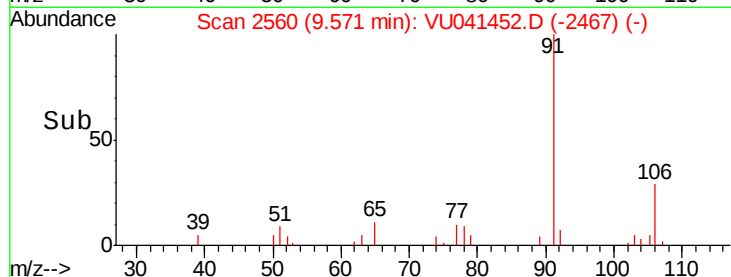
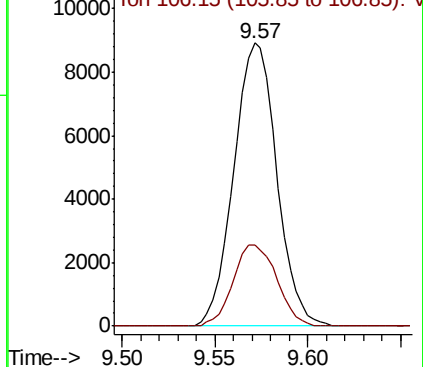
Ion Ratio Lower Upper

91 100

106 28.9 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU041452.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.885 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041452.D

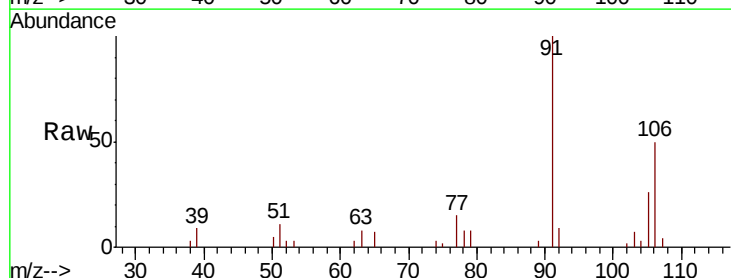
Acq: 03 Dec 2020 16:16

Tgt Ion: 106 Resp: 5333

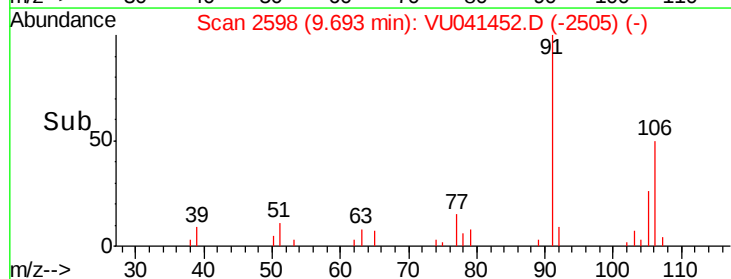
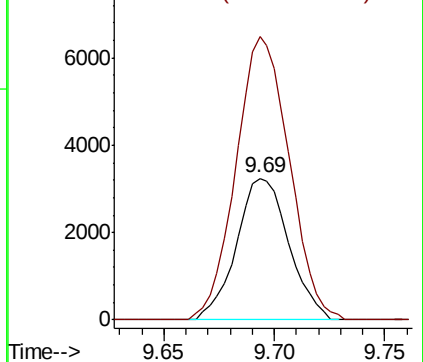
Ion Ratio Lower Upper

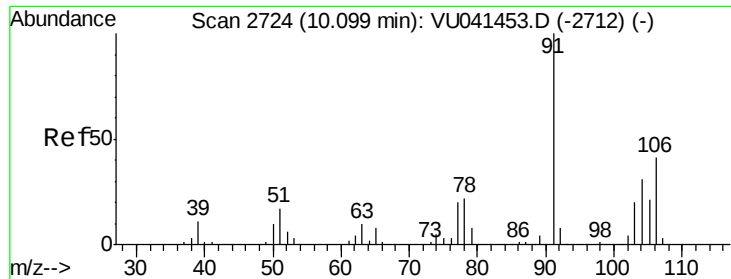
106 100

91 199.4 155.8 289.4



Abundance Ion 106.15 (105.85 to 106.85): VU041452.D (-2598) (-)

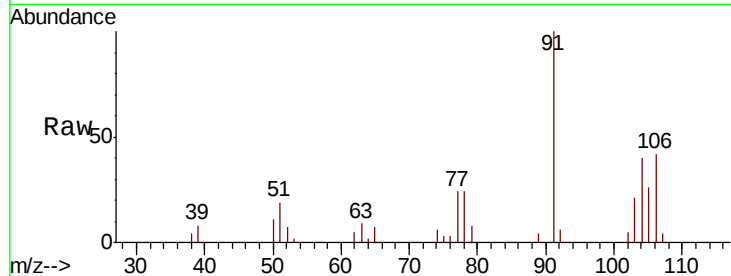




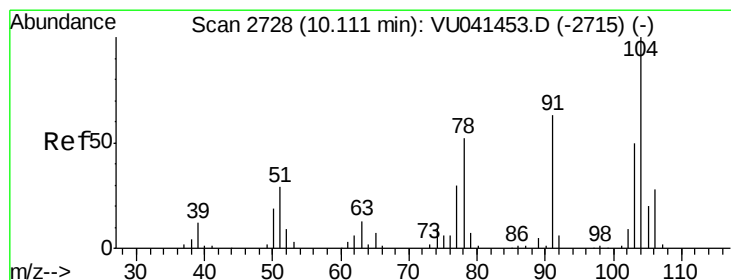
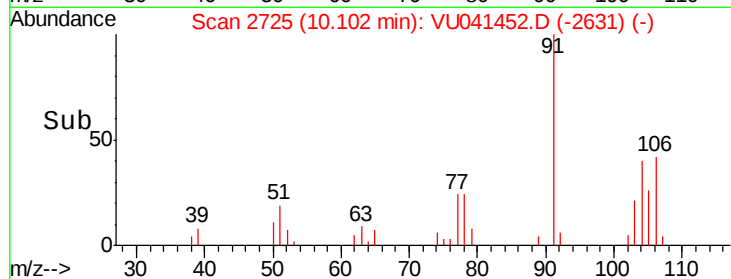
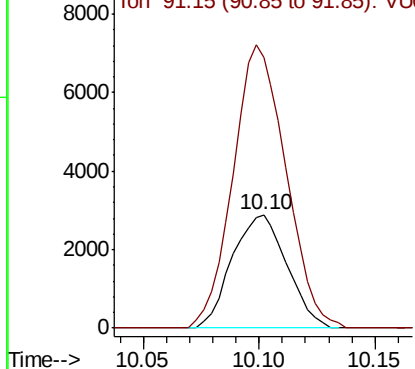
#54
o-Xylene
Concen: 0.812 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00106

Tot Ion:106 Resp: 4727
Ion Ratio Lower Upper
106 100
91 238.7 169.8 315.4

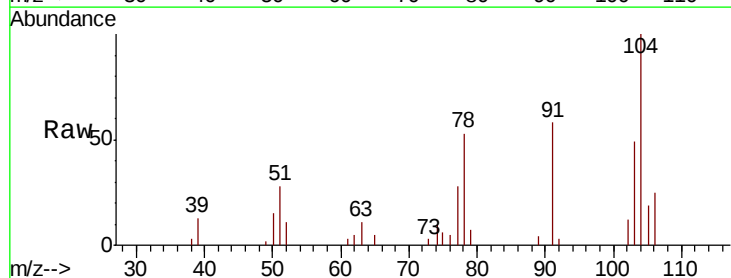


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

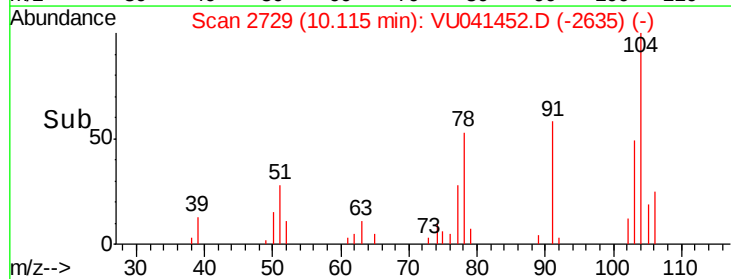
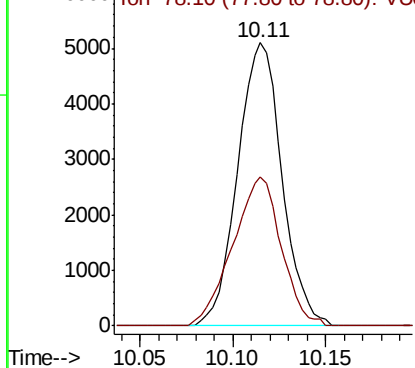


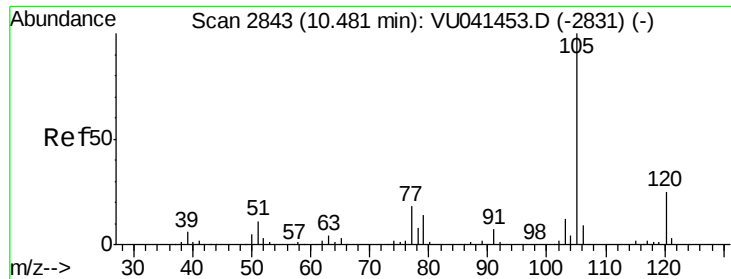
#55
Styrene
Concen: 0.862 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041452.D
Acq: 03 Dec 2020 16:16

Tgt Ion:104 Resp: 8456
Ion Ratio Lower Upper
104 100
78 52.8 36.9 68.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.882 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00106

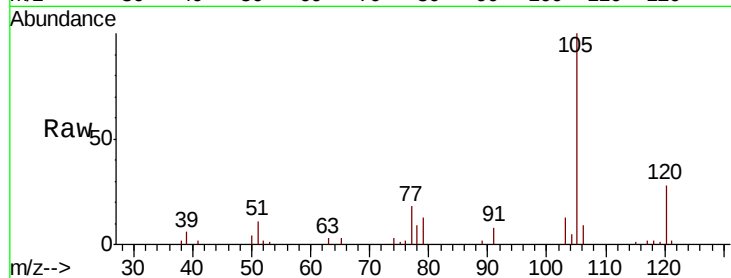
Tot Ion:105 Resp: 13949

Ion Ratio Lower Upper

105 100

120 26.4 20.3 30.5

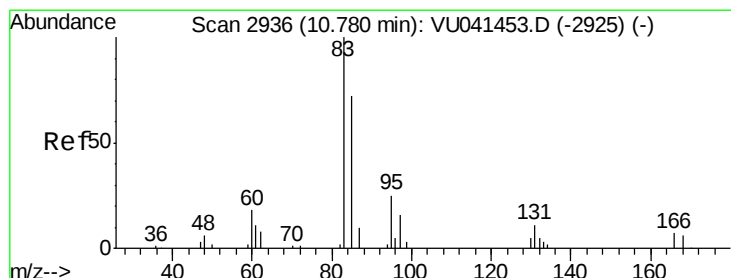
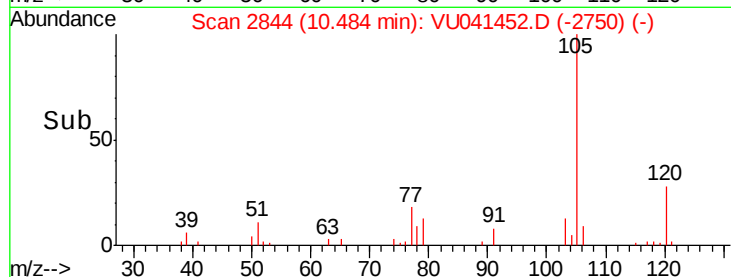
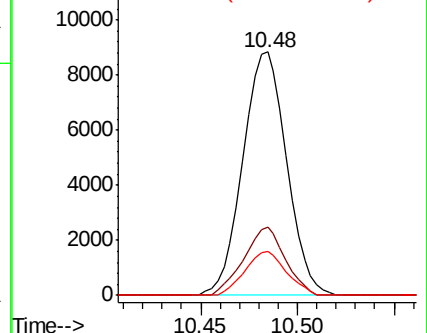
77 17.0 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.952 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

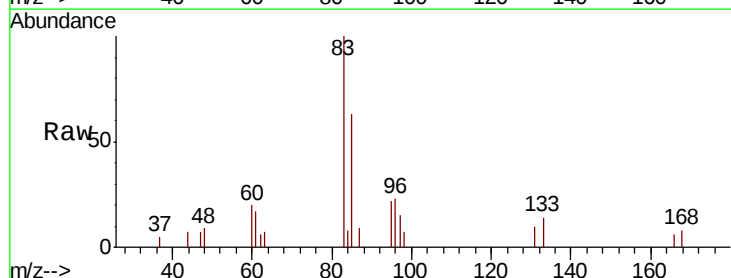
Tgt Ion: 83 Resp: 3184

Ion Ratio Lower Upper

83 100

85 63.2 50.7 94.3

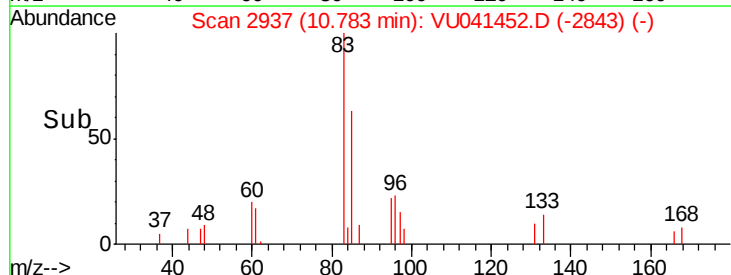
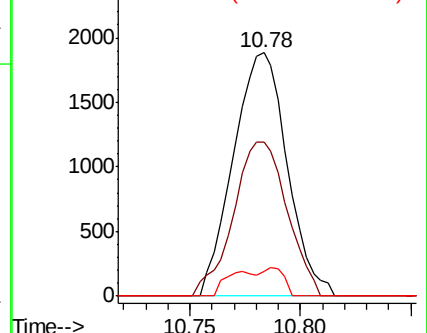
131 9.9 10.3 15.5#

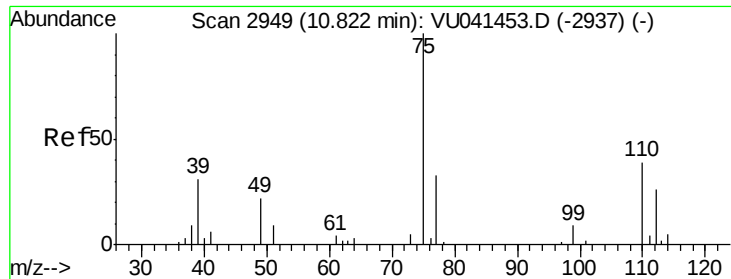


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.990 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

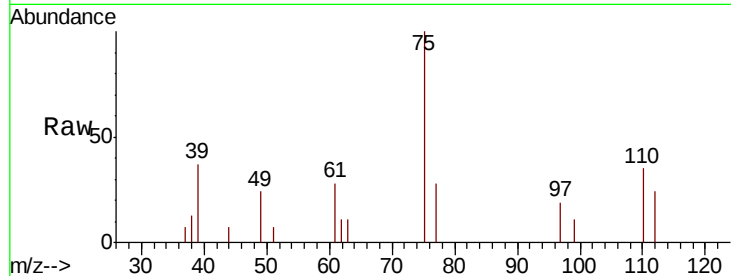
VSTD00106

Tot Ion: 75 Resp: 2588

Ion Ratio Lower Upper

75 100

77 28.4 27.3 40.9



Abundance Ion 75.00 (74.70 to 75.70): VU041453.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041453.D (-2937) (-)

10.82

1500

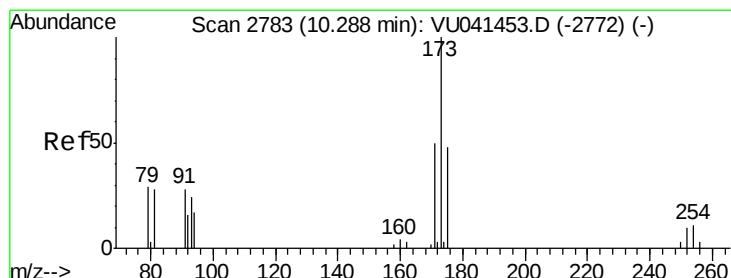
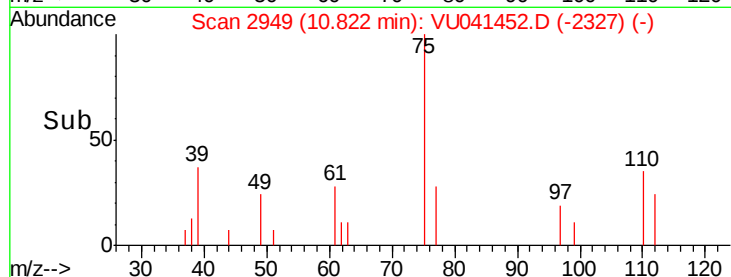
1000

500

0

10.80 10.85

Time-->



#61

Bromoform

Concen: 0.997 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

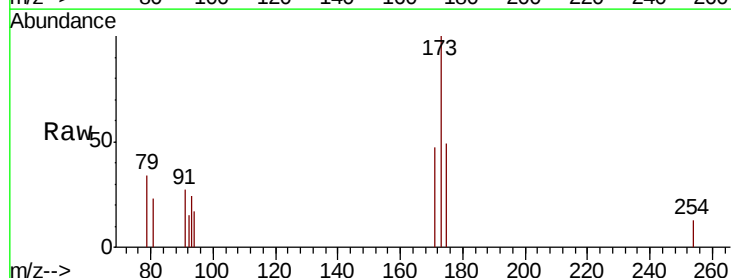
Tgt Ion: 173 Resp: 2032

Ion Ratio Lower Upper

173 100

175 49.2 38.0 57.0

254 6.7 7.7 11.5#



Abundance Ion 172.90 (172.60 to 173.60): VU041453.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041453.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041453.D (-2772) (-)

10.29

1500

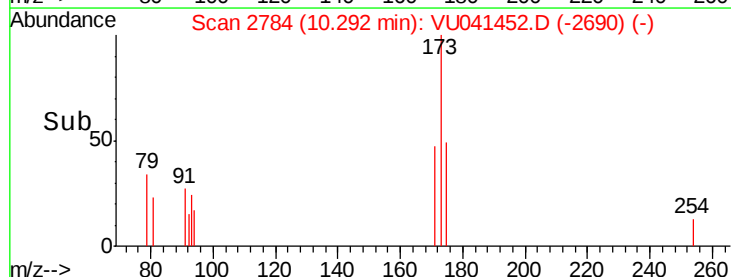
1000

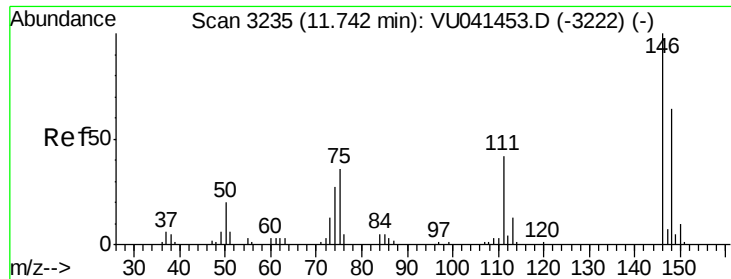
500

0

10.25 10.30

Time-->

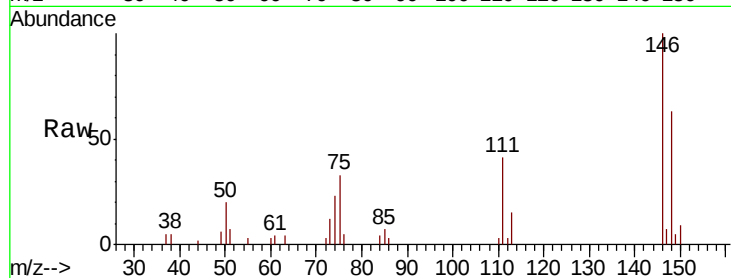




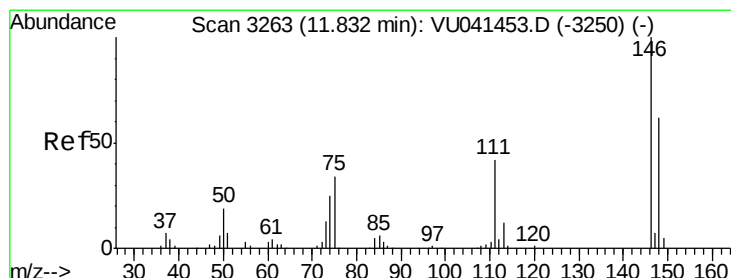
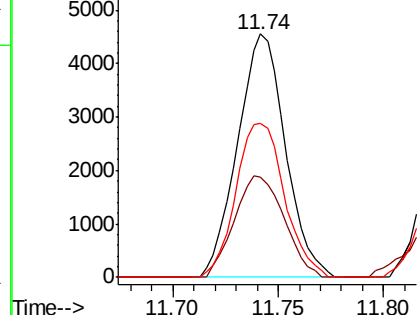
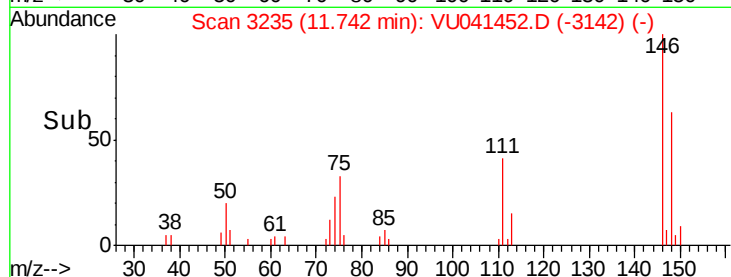
#62
 1,3-Dichlorobenzene
 Concen: 0.892 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

Tot Ion:146 Resp: 7177
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.3 54.3
 148 63.1 44.7 82.9

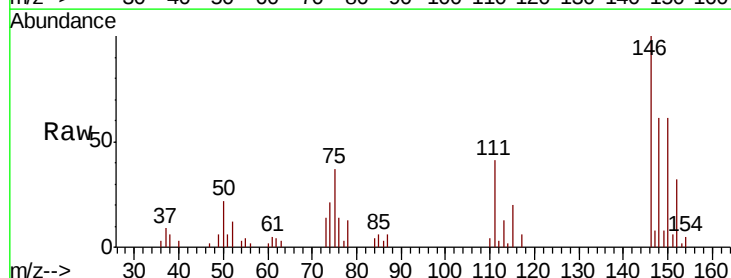


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

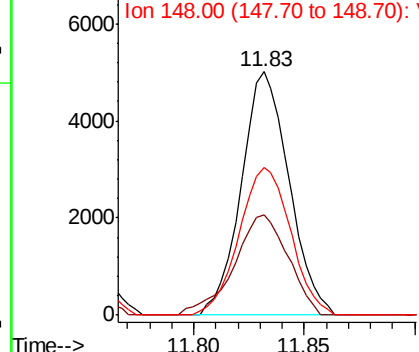
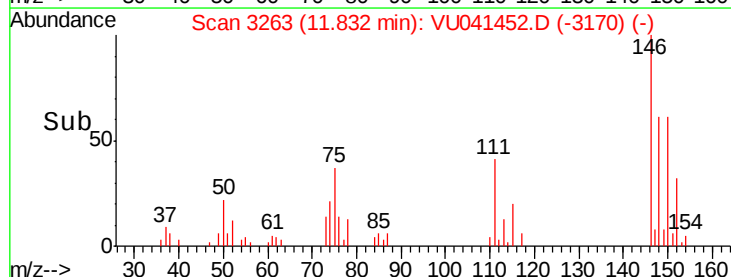


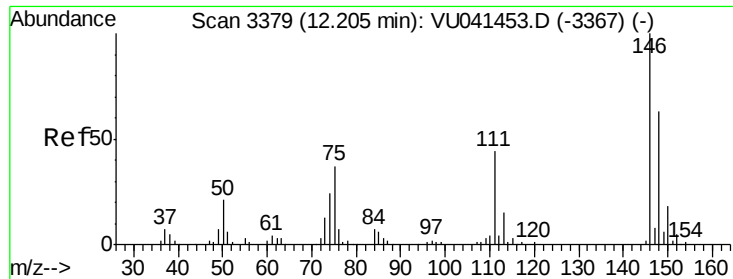
#63
 1,4-Dichlorobenzene
 Concen: 0.945 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion:146 Resp: 7549
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.8 55.4
 148 60.7 43.1 80.1



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





#65

1,2-Dichlorobenzene

Concen: 0.959 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampled :

VSTD00106

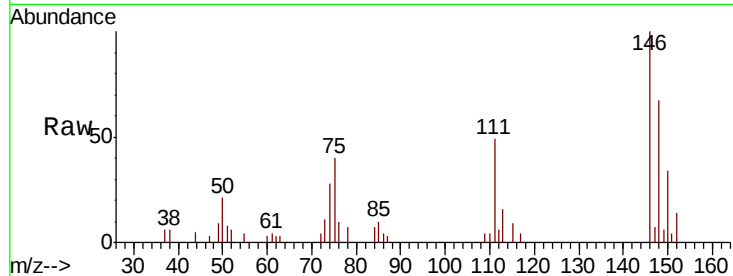
Tot Ion:146 Resp: 7180

Ion Ratio Lower Upper

146 100

111 49.3 35.6 53.4

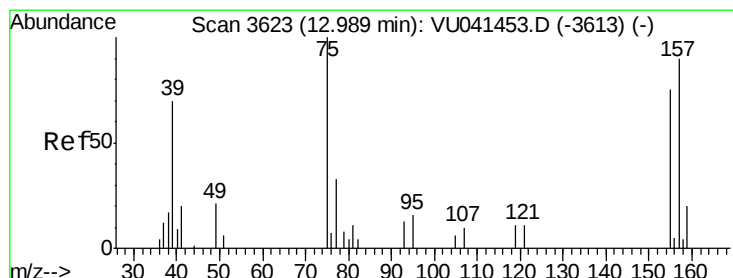
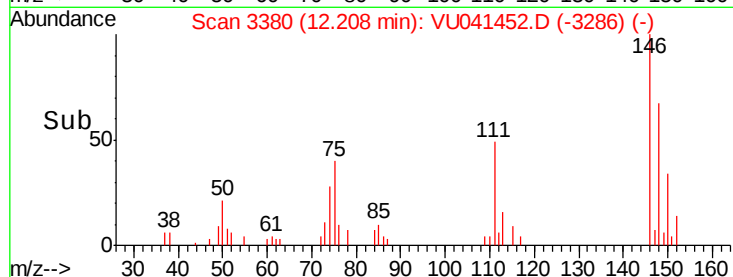
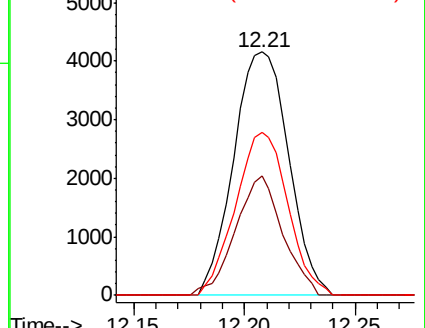
148 67.2 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.131 ug/L

RT: 13.00 min Scan# 3625

Delta R.T. 0.01 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

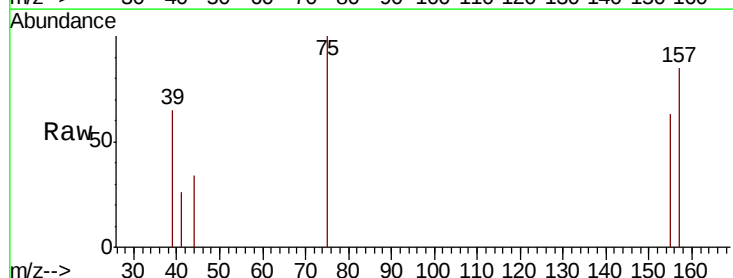
Tgt Ion: 75 Resp: 689

Ion Ratio Lower Upper

75 100

155 62.5 60.0 90.0

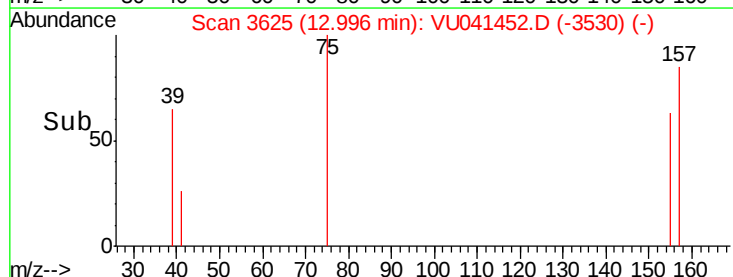
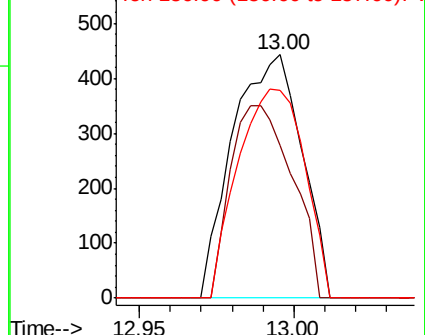
157 85.3 72.3 108.5

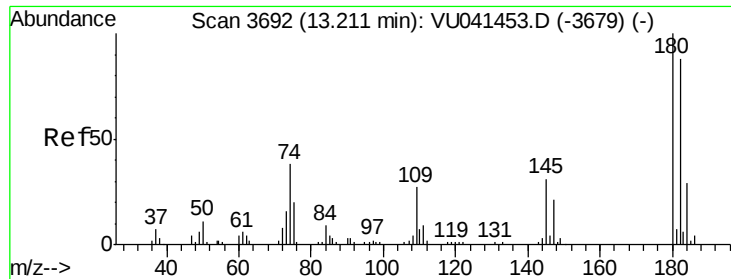


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

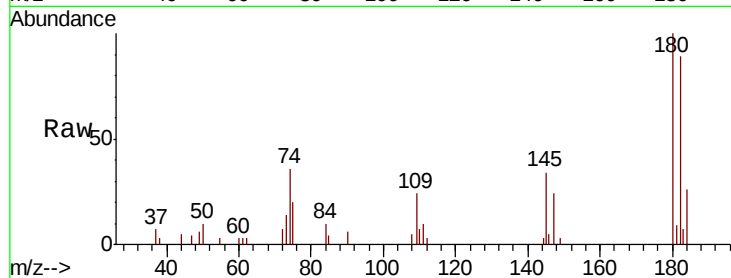




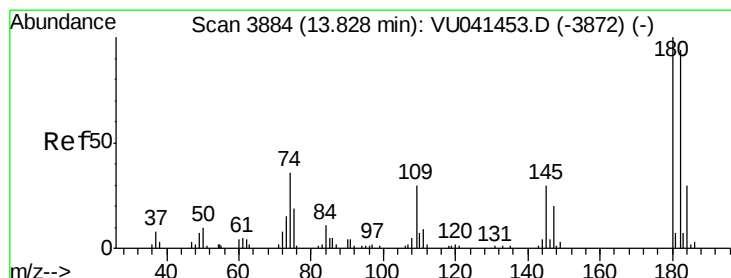
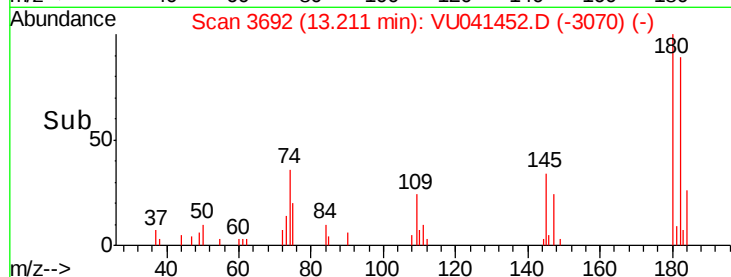
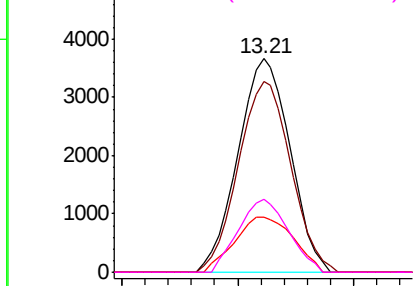
#67
 1,3,5-Trichlorobenzene
 Concen: 0.991 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00106

Tot Ion:180 Resp: 5707
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.2 114.4
 184 29.2 24.3 36.5
 145 32.9 25.7 38.5

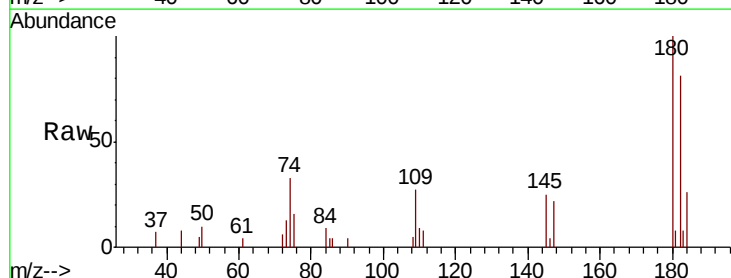


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

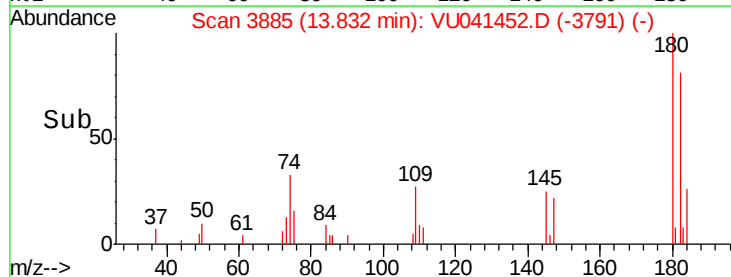
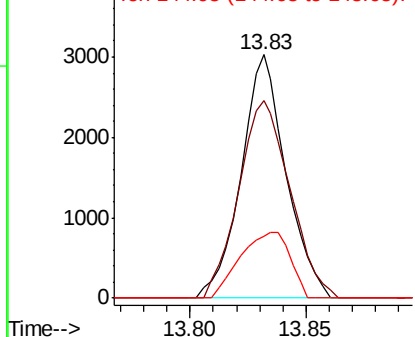


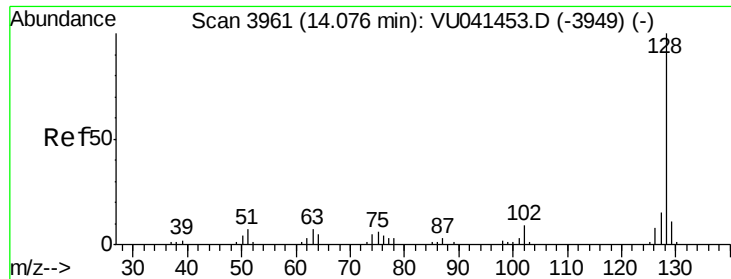
#68
 1,2,4-trichlorobenzene
 Concen: 0.897 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041452.D
 Acq: 03 Dec 2020 16:16

Tgt Ion:180 Resp: 4073
 Ion Ratio Lower Upper
 180 100
 182 92.5 76.1 114.1
 145 29.9 24.9 37.3



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





#69

Naphthalene

Concen: 0.762 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00106

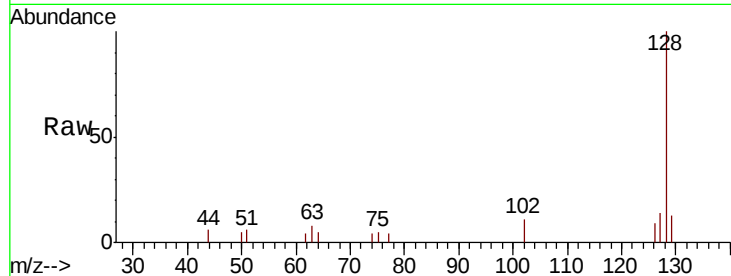
Tot Ion:128 Resp: 5393

Ion Ratio Lower Upper

128 100

129 10.1 8.5 12.7

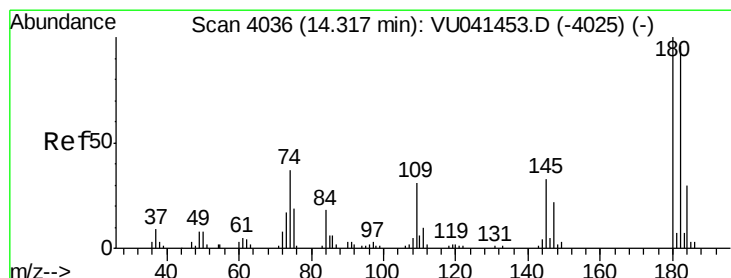
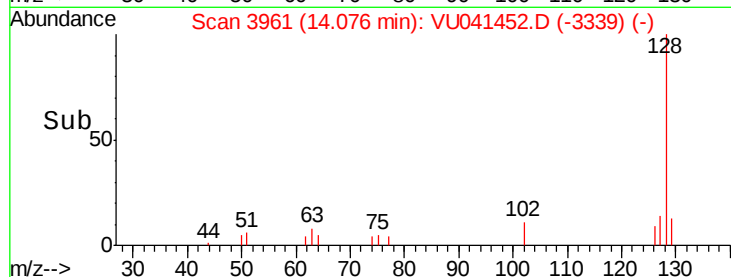
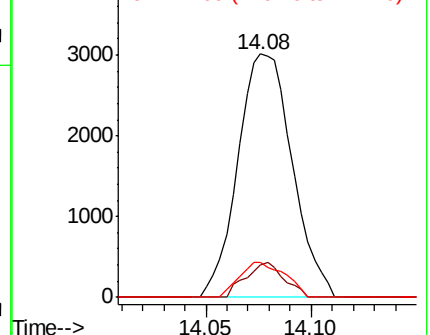
127 12.1 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.828 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041452.D

Acq: 03 Dec 2020 16:16

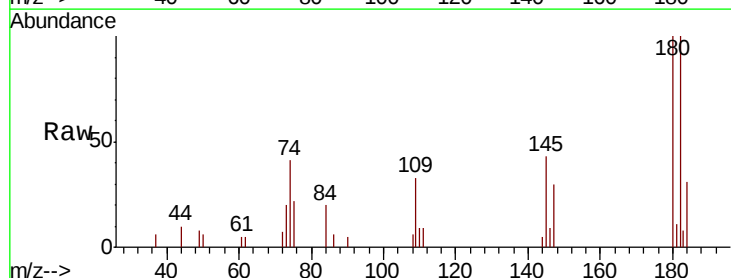
Tgt Ion:180 Resp: 3410

Ion Ratio Lower Upper

180 100

182 97.8 75.3 112.9

145 37.0 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

