

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041457.D
 Acq On : 03 Dec 2020 18:19
 Operator : SY/MD
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Quant Time: Dec 04 01:55:07 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	53515	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53994	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27156	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1213	0.34	ug/L	0.00
7) Chloroethane-d5	1.92	69	1025	0.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	3108	0.43	ug/L	0.00
20) 2-Butanone-d5	4.66	46	3973	4.19	ug/L	0.00
24) Chloroform-d	5.08	84	3311	0.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	2325	0.51	ug/L	0.00
32) Benzene-d6	5.74	84	5307	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	1472	0.36	ug/L	0.00
41) Toluene-d8	7.90	98	4629	0.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	773	0.40	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	3155	4.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	1841	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	2372	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2656	0.507 ug/L	99
3) Chloromethane	1.53	50	1808	0.428 ug/L	97
5) Vinyl chloride	1.61	62	2110	0.464 ug/L	98
6) Bromomethane	1.87	94	1321	0.685 ug/L	98
8) Chloroethane	1.95	64	1533	0.577 ug/L	83
9) Trichlorofluoromethane	2.15	101	4078	0.538 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1552	0.418 ug/L	95
12) 1,1-Dichloroethene	2.59	96	1518	0.464 ug/L	95
13) Acetone	2.66	43	3438	5.119 ug/L	94
14) Carbon disulfide	2.81	76	4392	0.401 ug/L	96
15) Methyl Acetate	2.97	43	849	0.571 ug/L #	51
16) Methylene chloride	3.06	84	3811	0.823 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	4812	0.568 ug/L	95
18) trans-1,2-Dichloroethene	3.37	96	1628	0.462 ug/L	89
19) 1,1-Dichloroethane	3.89	63	3070	0.439 ug/L	98
21) 2-Butanone	4.74	43	4716	4.594 ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	1789	0.472 ug/L	98
23) Bromochloromethane	4.99	128	934	0.556 ug/L #	92
25) Chloroform	5.11	83	4206	0.533 ug/L	99
27) 1,2-Dichloroethane	5.81	62	3076	0.585 ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	4063	0.587 ug/L	94
30) Cyclohexane	5.40	56	2150	0.392 ug/L #	88
31) Carbon tetrachloride	5.54	117	3523	0.561 ug/L	99
33) Benzene	5.79	78	6814	0.476 ug/L	100
34) Trichloroethene	6.55	95	1989	0.506 ug/L	89
35) Methylcyclohexane	6.78	83	2210	0.393 ug/L	97
37) 1,2-Dichloropropane	6.80	63	1914	0.499 ug/L #	87
38) Bromodichloromethane	7.11	83	3027	0.557 ug/L	80
39) cis-1,3-Dichloropropene	7.62	75	2530	0.464 ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	12749	5.292 ug/L	97

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

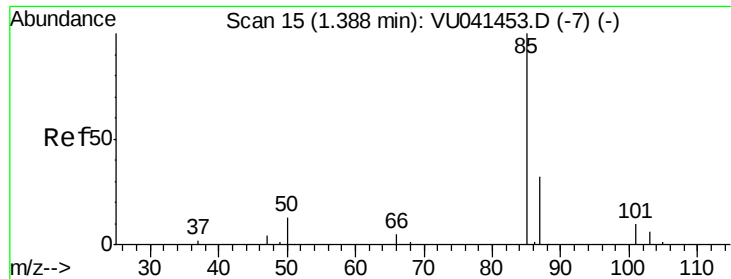
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Quant Time: Dec 04 01:55:07 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)

42) Toluene	7.97	91	7067	0.462	ug/L	90
44) trans-1,3-Dichloropropene	8.22	75	2804	0.555	ug/L #	80
45) 1,1,2-Trichloroethane	8.40	97	1493	0.544	ug/L	92
47) Tetrachloroethene	8.56	164	1142	0.385	ug/L	89
48) 2-Hexanone	8.69	43	9426	5.306	ug/L	96
49) Dibromochloromethane	8.81	129	1839	0.512	ug/L	90
50) 1,2-Dibromoethane	8.93	107	1359	0.512	ug/L #	97
51) Chlorobenzene	9.45	112	4866	0.486	ug/L	95
52) Ethylbenzene	9.57	91	8123	0.492	ug/L	98
53) m,p-Xylene	9.69	106	2920	0.484	ug/L	94
54) o-Xylene	10.10	106	2594	0.445	ug/L	90
55) Styrene	10.11	104	4827	0.491	ug/L	79
56) Isopropylbenzene	10.48	105	7638	0.482	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	1748	0.522	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	1676	0.640	ug/L #	80
61) Bromoform	10.29	173	1332	0.668	ug/L #	95
62) 1,3-Dichlorobenzene	11.74	146	4230	0.537	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	4143	0.530	ug/L	87
65) 1,2-Dichlorobenzene	12.21	146	4126	0.563	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.99	75	345	0.579	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	3072	0.545	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	2410	0.542	ug/L	93
69) Naphthalene	14.08	128	3751	0.541	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.32	180	2543	0.631	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.507 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

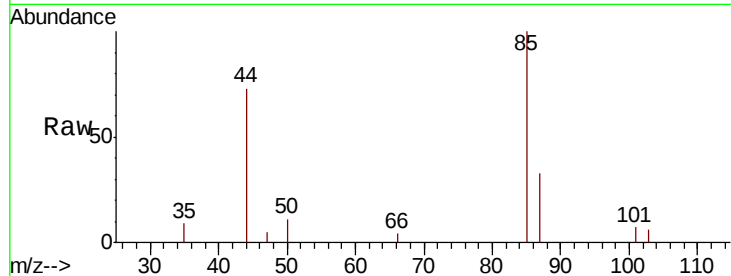
VSTD0.505

Tot Ion: 85 Resp: 2656

Ion Ratio Lower Upper

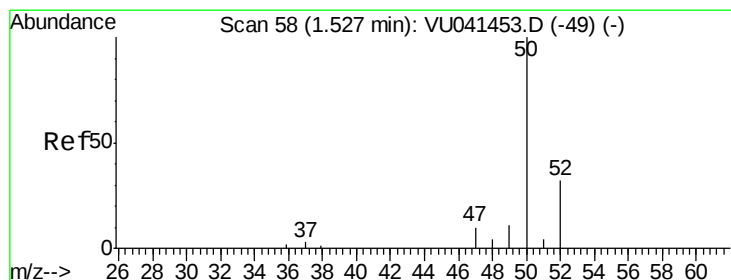
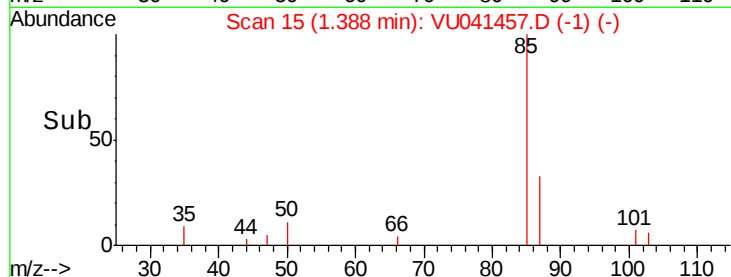
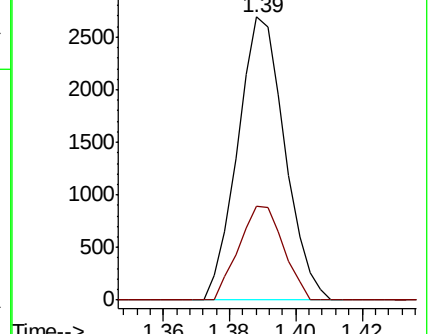
85 100

87 31.3 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: 0.428 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041457.D

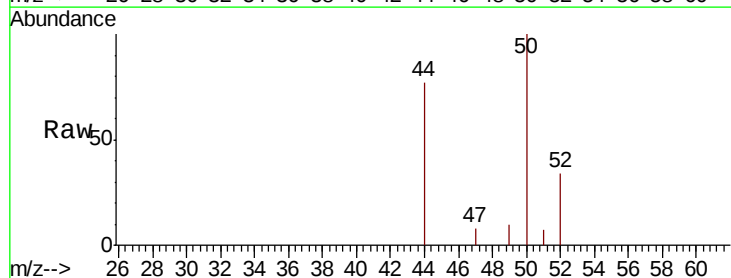
Acq: 03 Dec 2020 18:19

Tgt Ion: 50 Resp: 1808

Ion Ratio Lower Upper

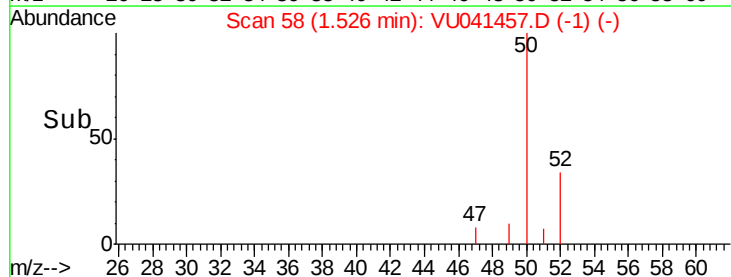
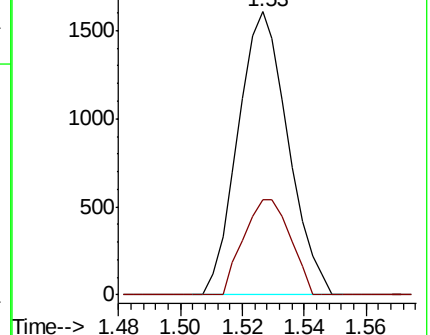
50 100

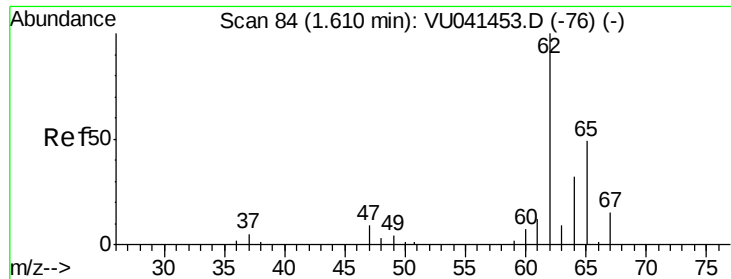
52 33.8 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.464 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampled :

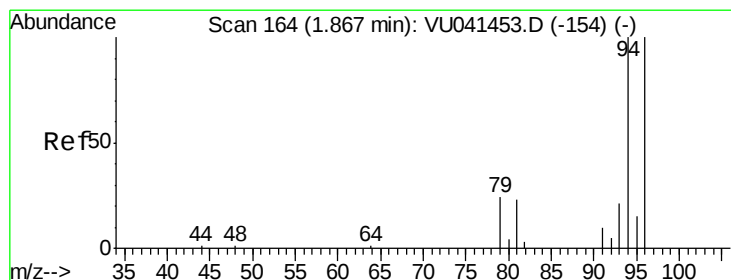
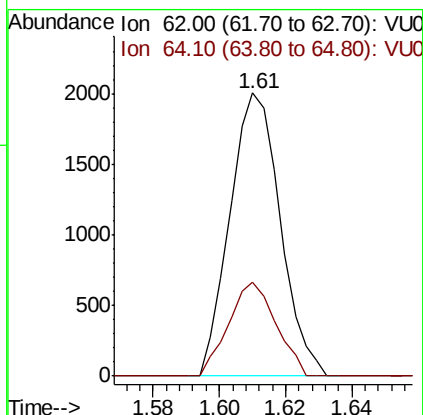
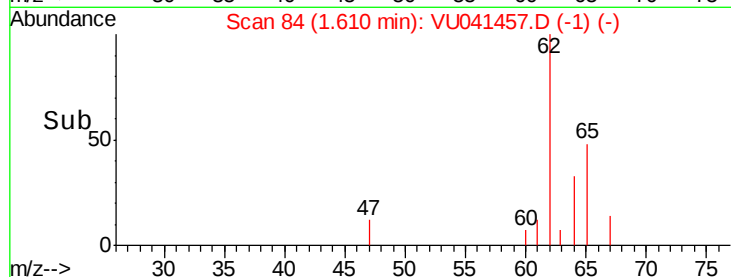
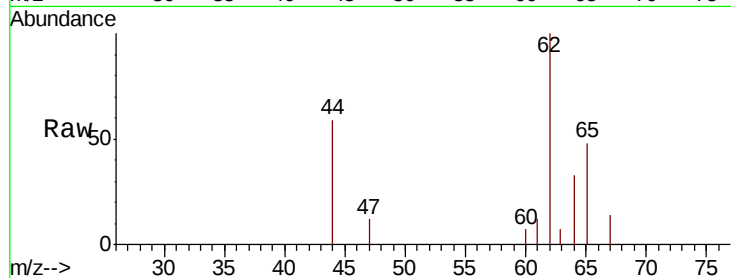
VSTD0.505

Tot Ion: 62 Resp: 2110

Ion Ratio Lower Upper

62 100

64 33.3 22.5 41.7



#6

Bromomethane

Concen: 0.685 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041457.D

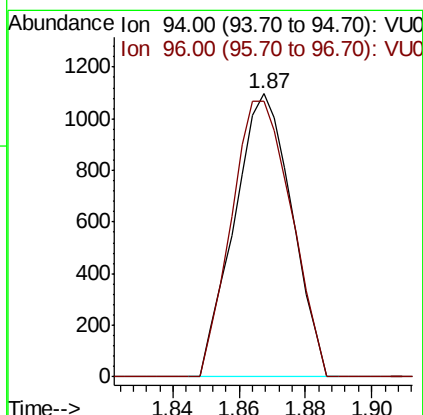
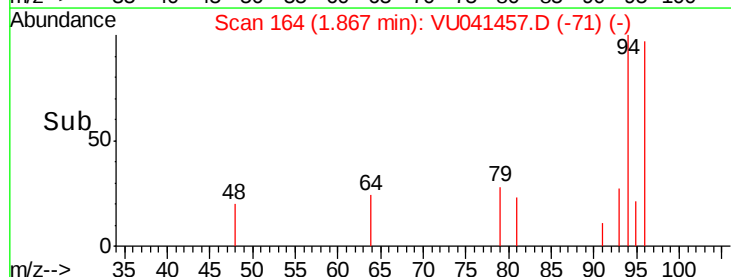
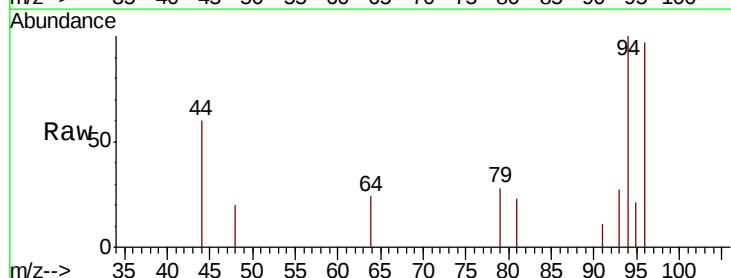
Acq: 03 Dec 2020 18:19

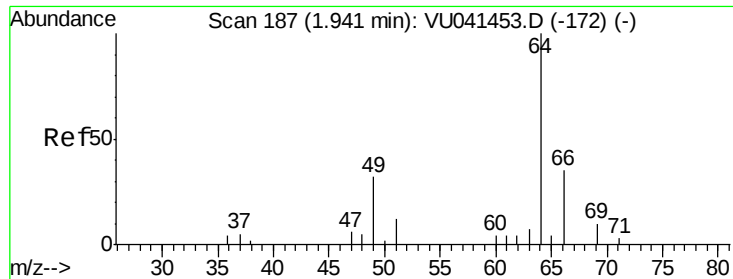
Tgt Ion: 94 Resp: 1321

Ion Ratio Lower Upper

94 100

96 97.4 69.9 129.7

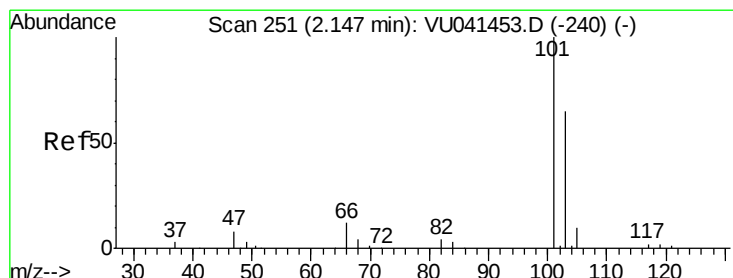
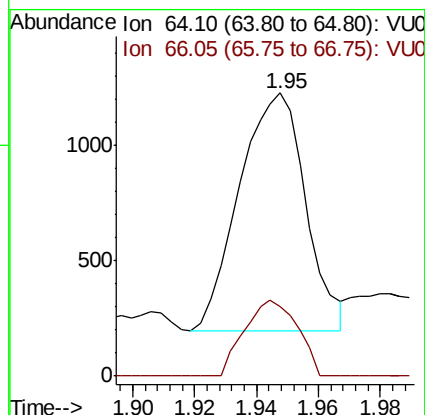
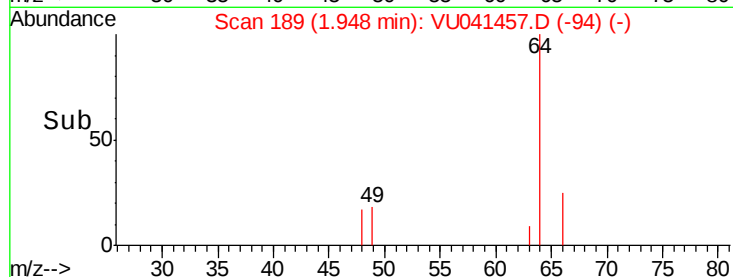
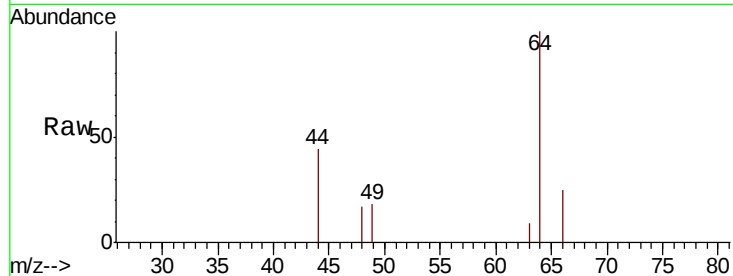




#8
Chloroethane
Concen: 0.577 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.01 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

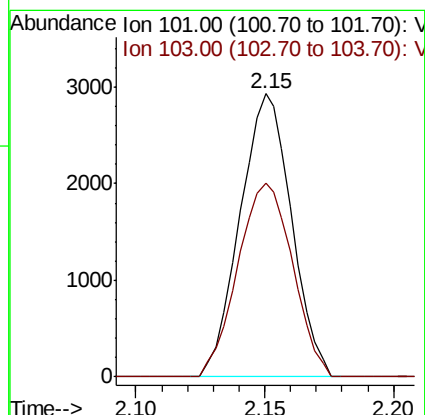
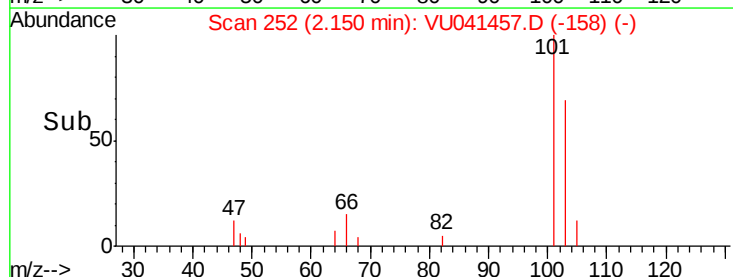
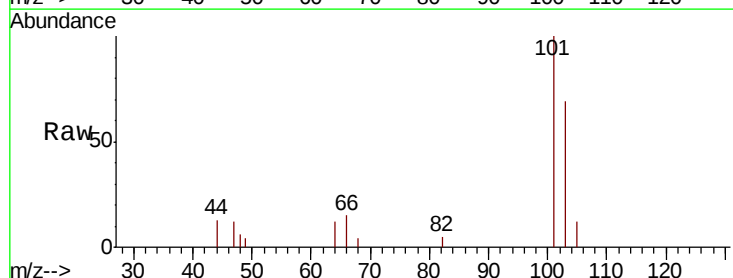
Instrument :
MSVOA_Y
ClientSampled :
VSTD0.505

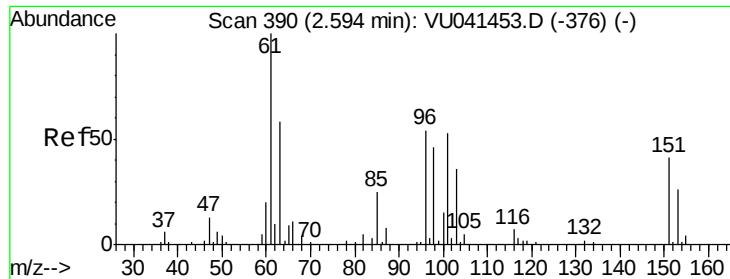
Tot Ion: 64 Resp: 1533
Ion Ratio Lower Upper
64 100
66 24.8 24.1 44.7



#9
Trichlorofluoromethane
Concen: 0.538 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 101 Resp: 4078
Ion Ratio Lower Upper
101 100
103 73.0 52.1 78.1





#10

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

Concen: 0.418 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

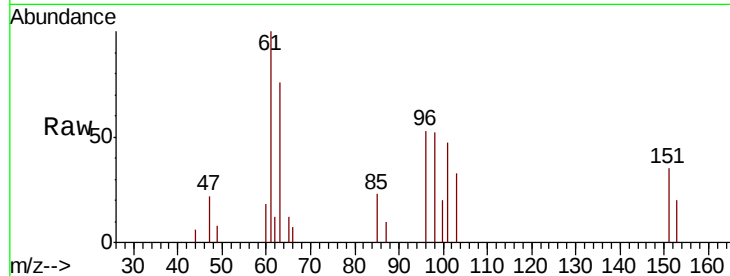
Tot Ion:101 Resp: 1552

Ion Ratio Lower Upper

101 100

85 46.1 37.4 56.0

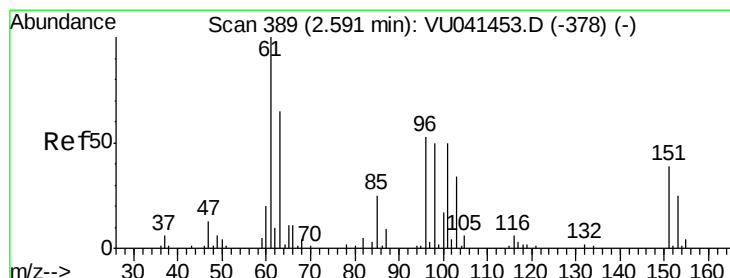
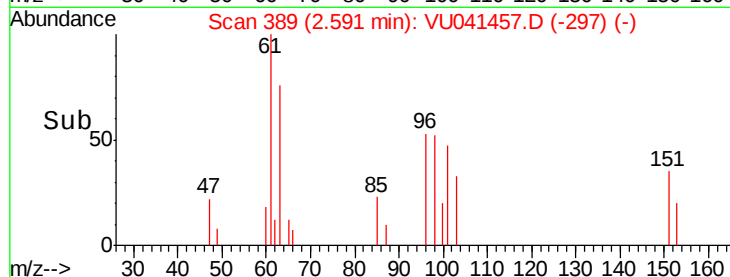
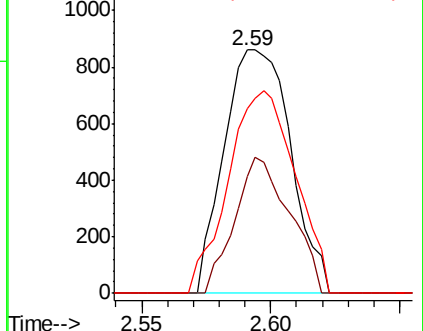
151 83.7 61.8 92.8



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: 0.464 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

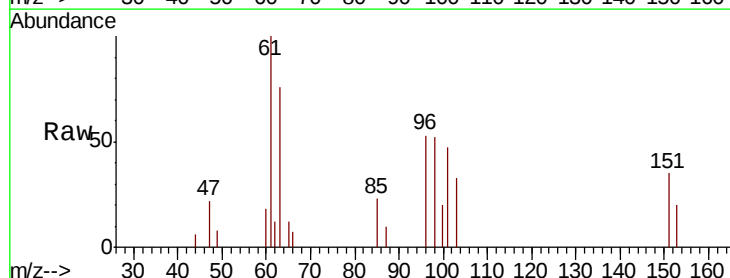
Tgt Ion: 96 Resp: 1518

Ion Ratio Lower Upper

96 100

61 190.1 132.6 246.2

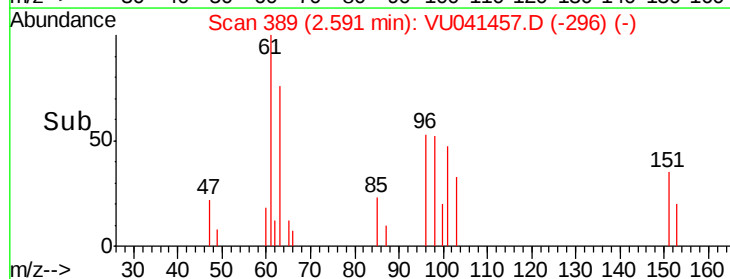
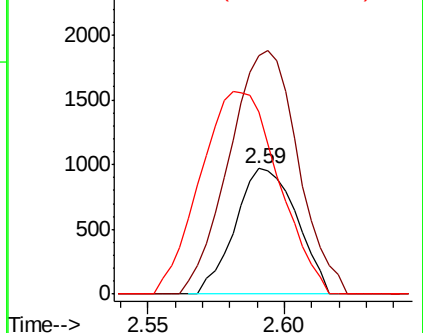
63 145.3 91.9 170.7

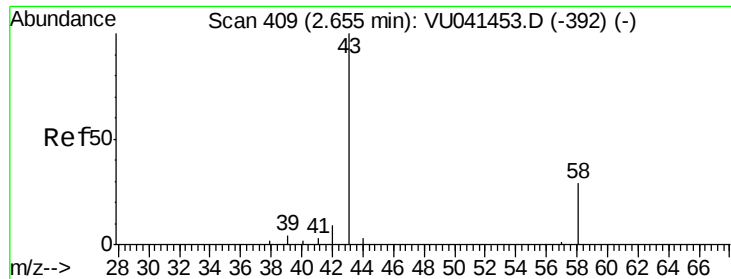


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.119 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampled :

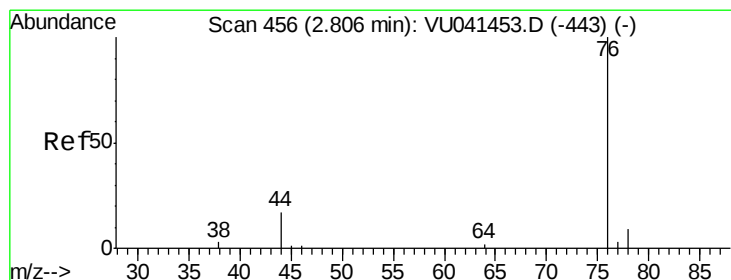
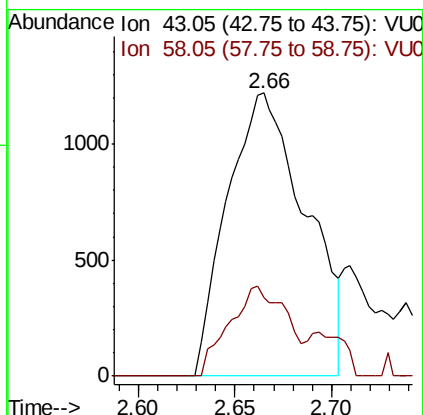
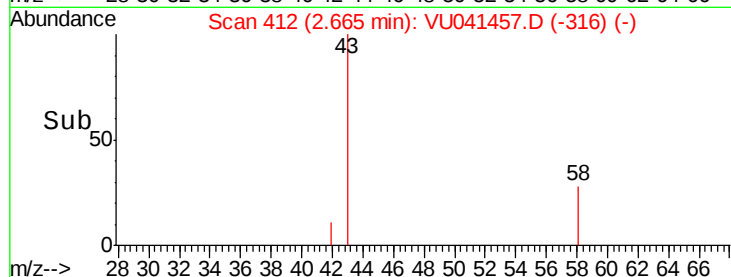
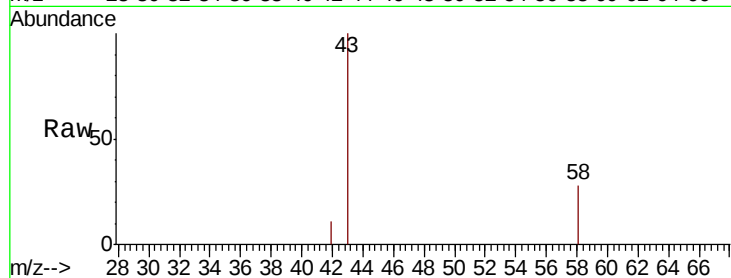
VSTD0.505

Tot Ion: 43 Resp: 3438

Ion Ratio Lower Upper

43 100

58 22.9 0.0 52.2



#14

Carbon disulfide

Concen: 0.401 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041457.D

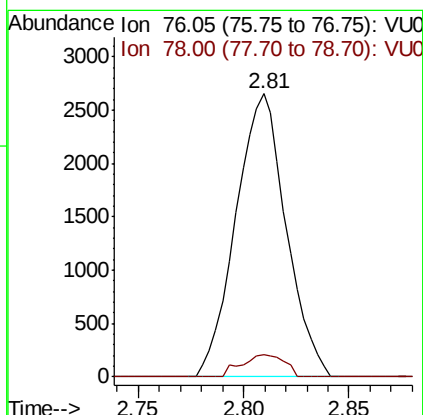
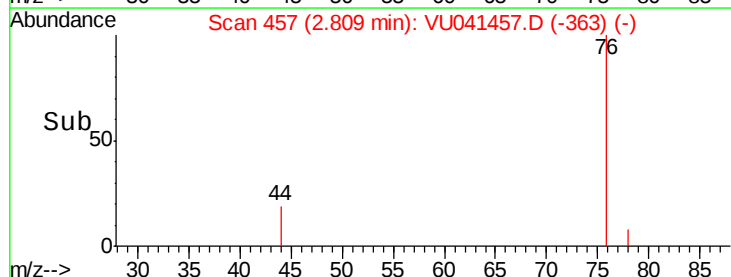
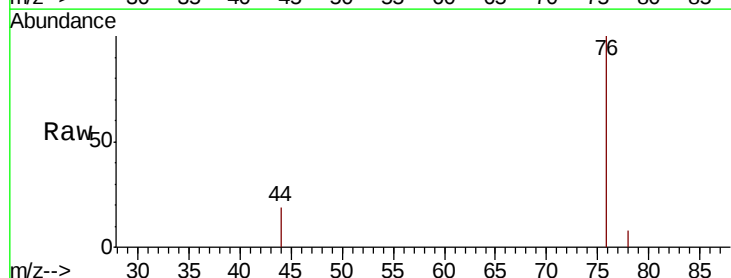
Acq: 03 Dec 2020 18:19

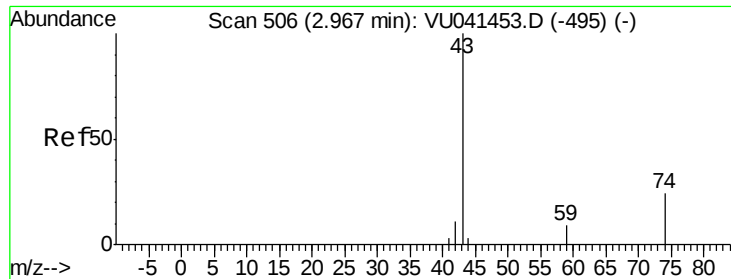
Tgt Ion: 76 Resp: 4392

Ion Ratio Lower Upper

76 100

78 7.9 7.5 11.3

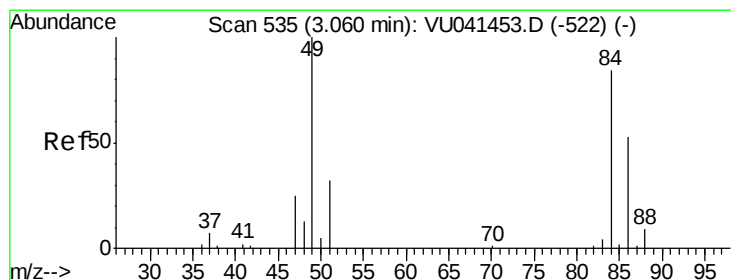
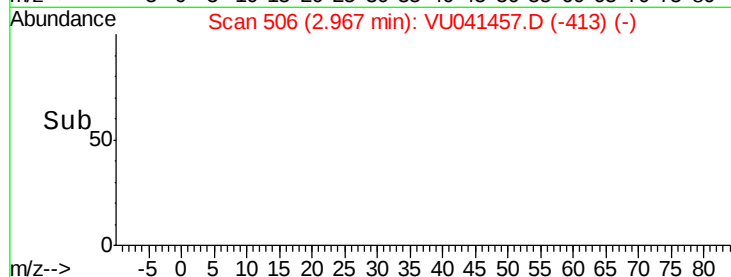
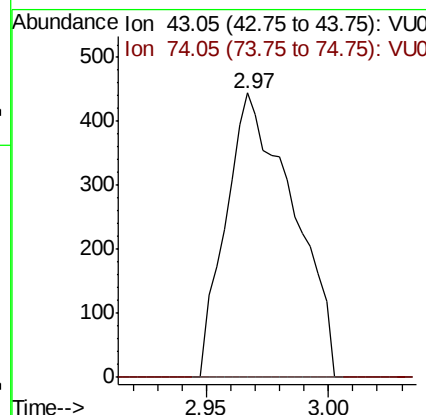
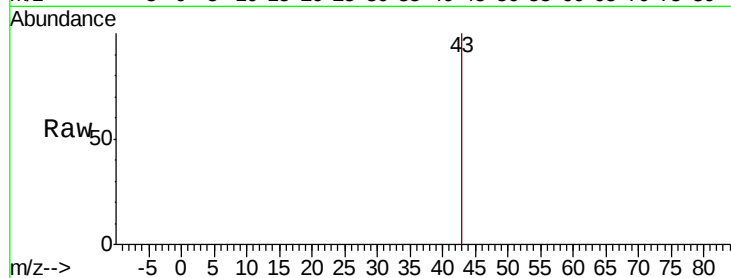




#15
Methyl Acetate
Concen: 0.571 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

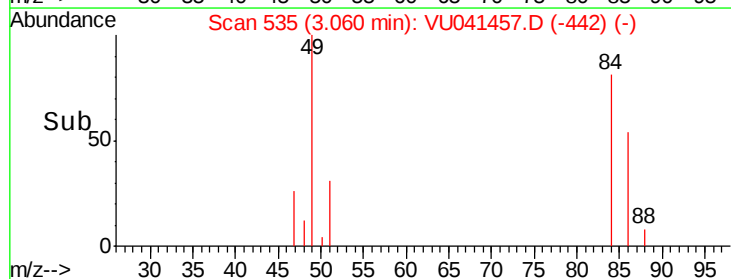
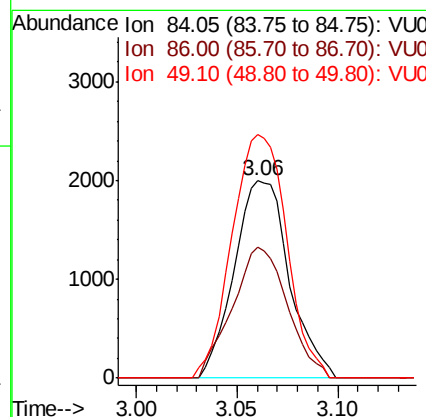
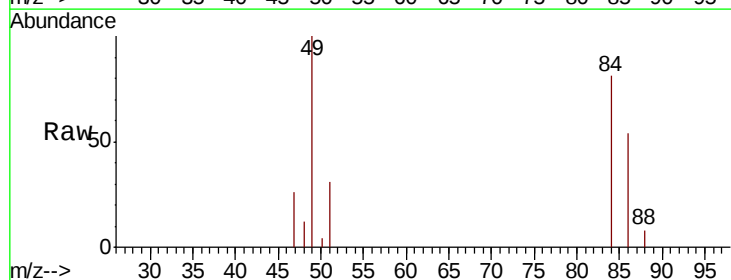
Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

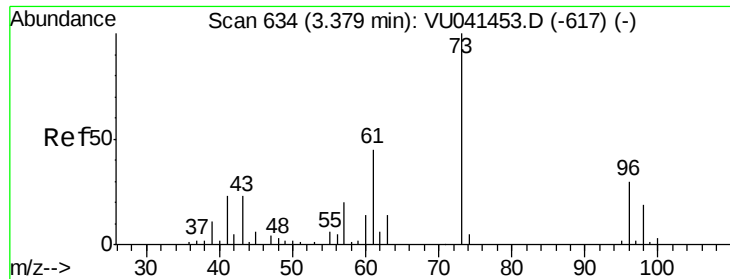
Tot Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#16
Methylene chloride
Concen: 0.823 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 84 Resp: 3811
Ion Ratio Lower Upper
84 100
86 66.5 44.3 82.3
49 123.5 83.2 154.4

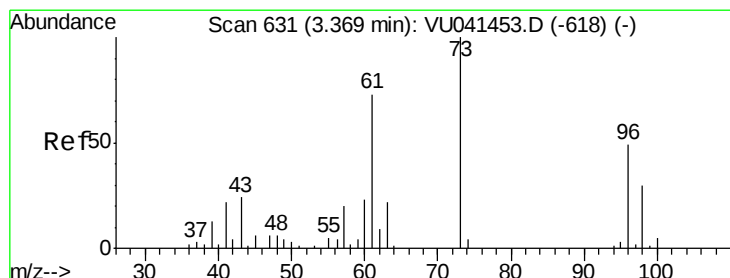
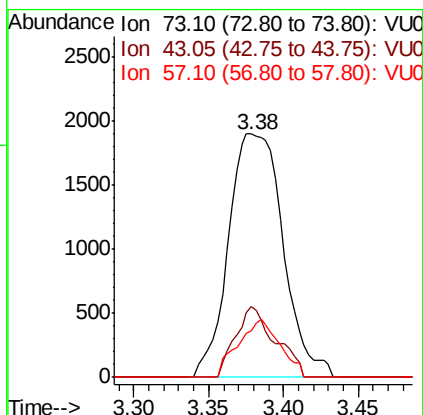
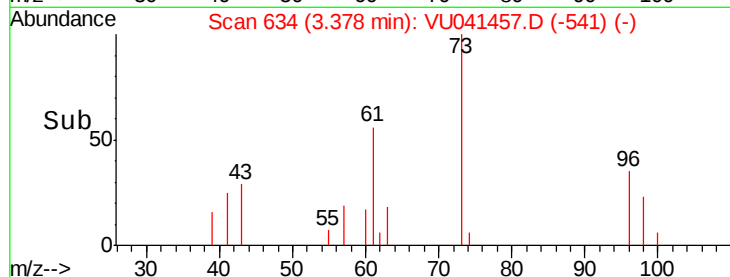
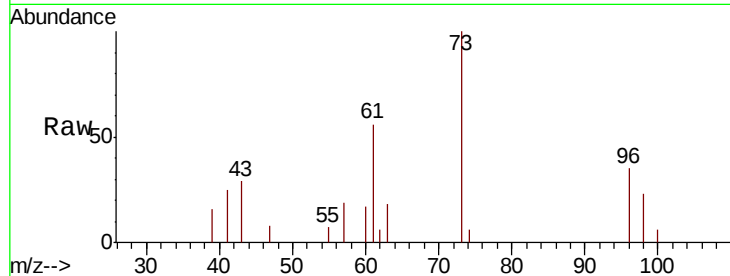




#17
Methvl tert-butvl Ether
Concen: 0.568 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

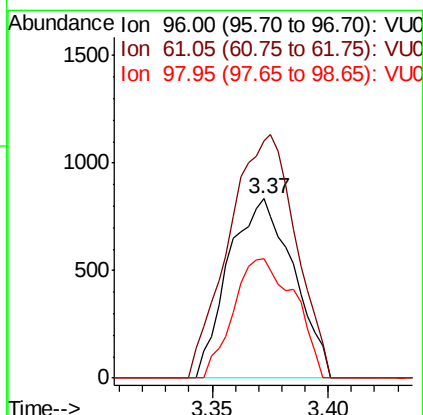
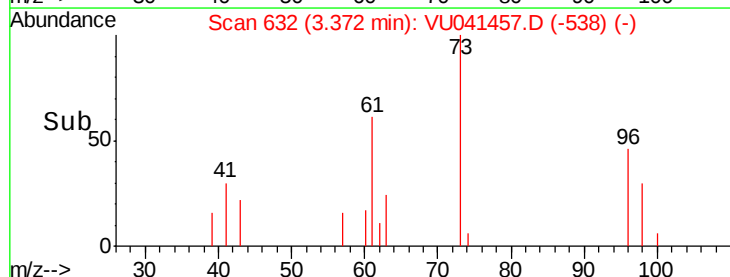
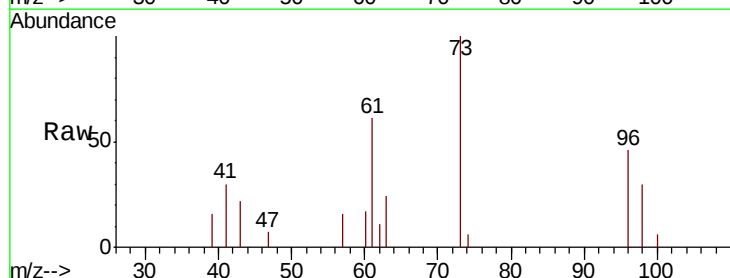
Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

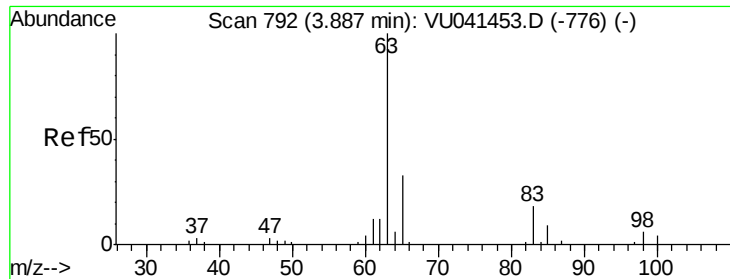
Tot Ion: 73 Resp: 4812
Ion Ratio Lower Upper
73 100
43 21.2 19.3 28.9
57 18.2 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 0.462 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 96 Resp: 1628
Ion Ratio Lower Upper
96 100
61 132.7 104.4 193.8
98 66.4 43.6 81.0

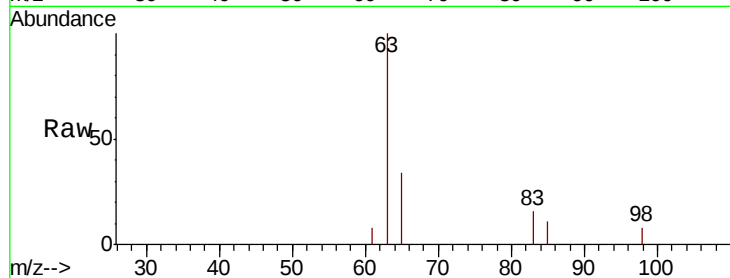




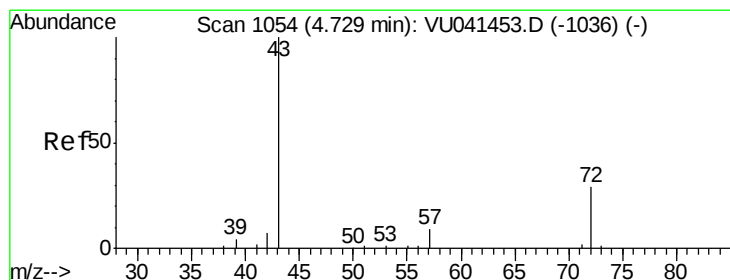
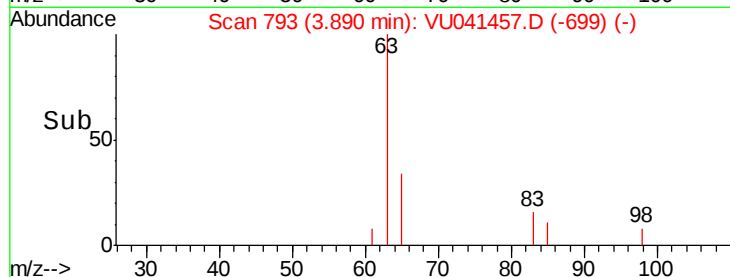
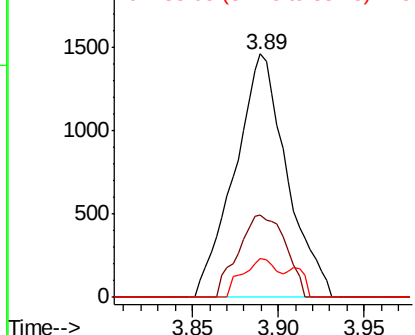
#19
 1,1-Dichloroethane
 Concen: 0.439 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion:	63	Resp:	3070
Ion	Ratio	Lower	Upper
63	100		
65	33.7	23.3	43.3
83	15.9	12.4	23.0

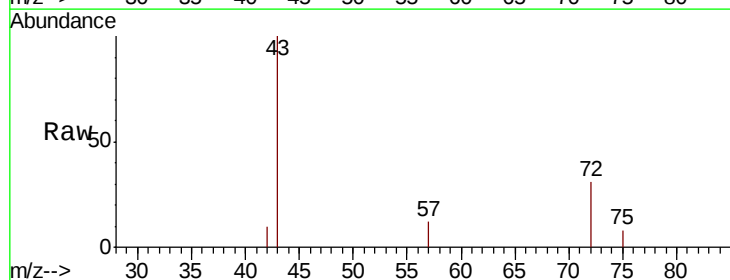


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

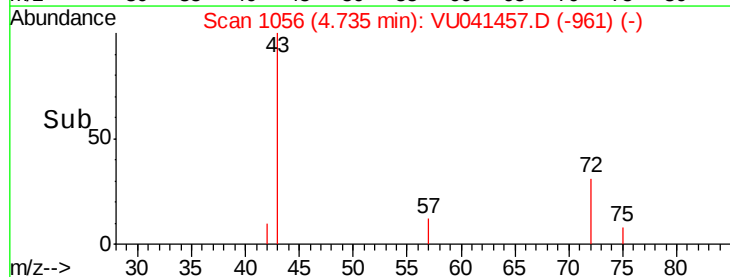
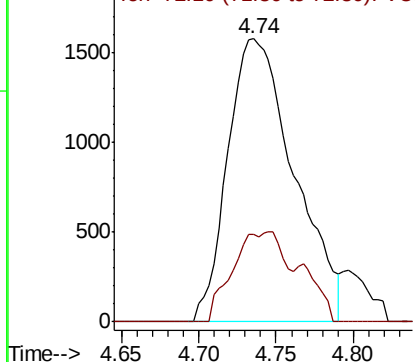


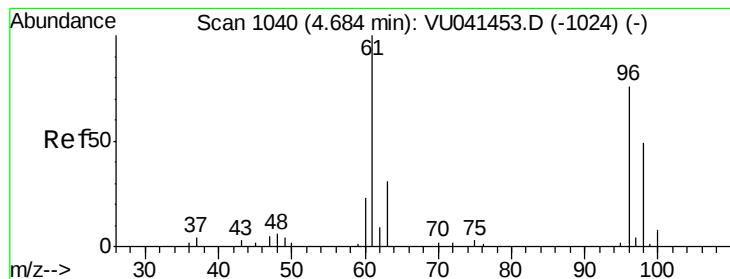
#21
 2-Butanone
 Concen: 4.594 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion:	43	Resp:	4716
Ion	Ratio	Lower	Upper
43	100		
72	25.2	14.9	44.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.472 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

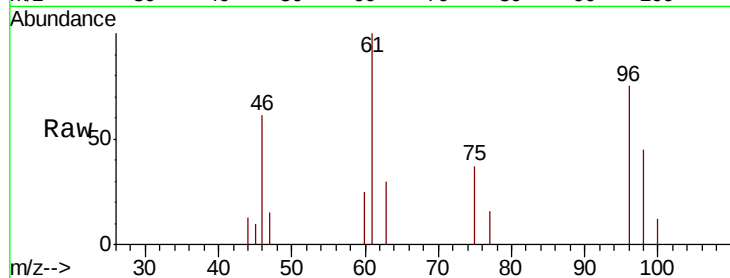
Tot Ion: 96 Resp: 1789

Ion Ratio Lower Upper

96 100

61 133.3 91.7 170.3

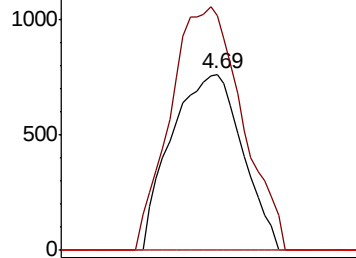
68 0.0 0.0 0.0



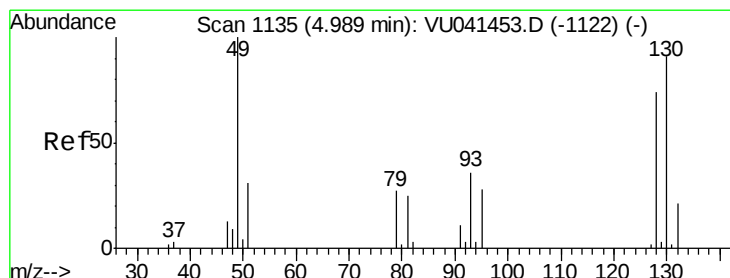
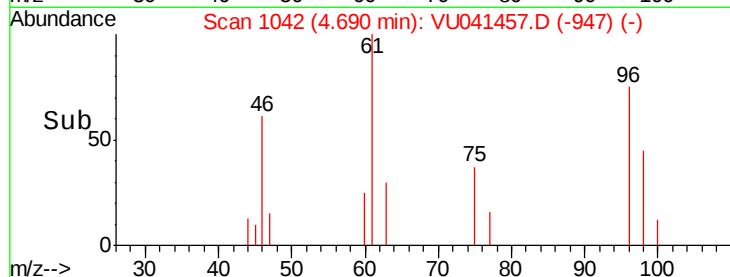
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



Time-->



#23

Bromochloromethane

Concen: 0.556 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Tgt Ion: 128 Resp: 934

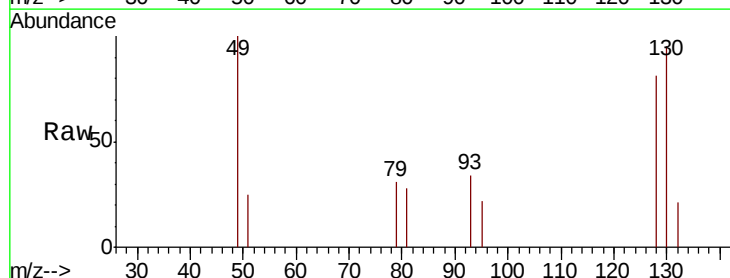
Ion Ratio Lower Upper

128 100

49 123.8 94.7 175.9

130 118.0 85.9 159.5

51 31.4 33.9 50.9#

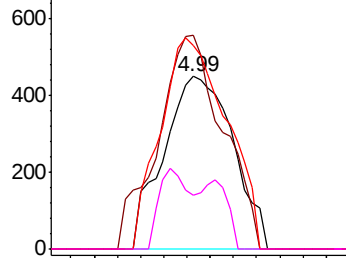


Abundance Ion 127.90 (127.60 to 128.60): V

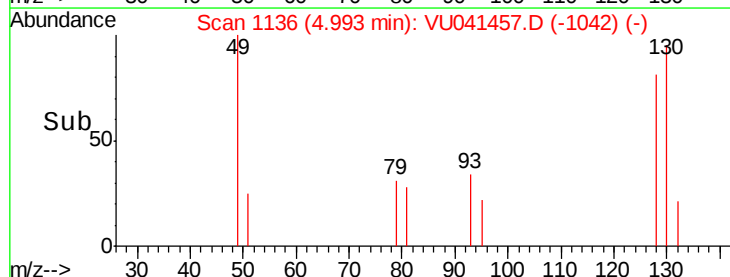
Ion 49.10 (48.80 to 49.80): VU0

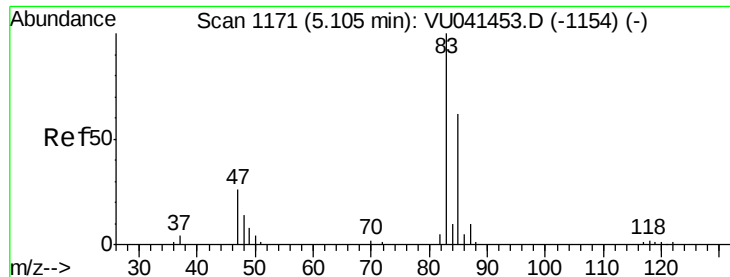
Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



Time-->

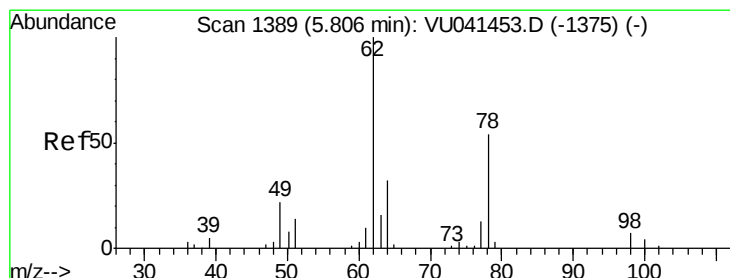
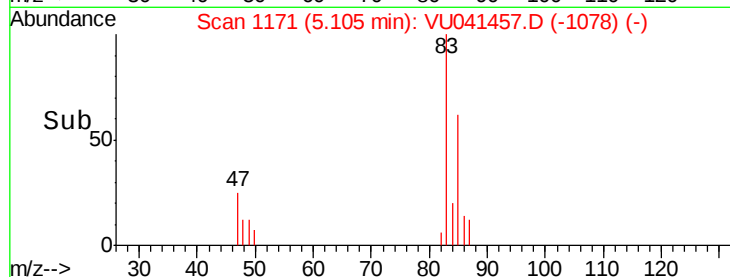
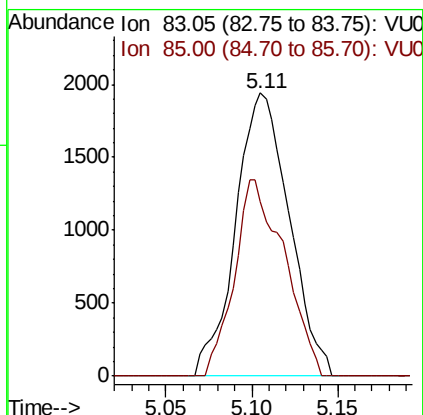
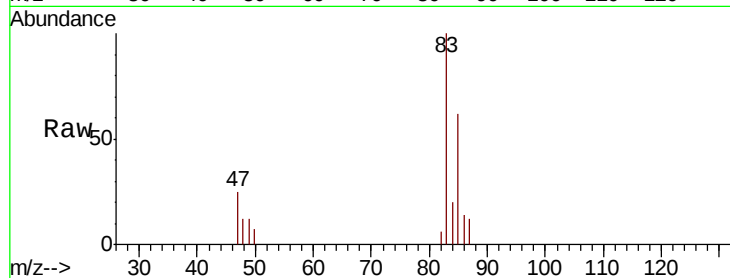




#25
Chloroform
Concen: 0.533 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

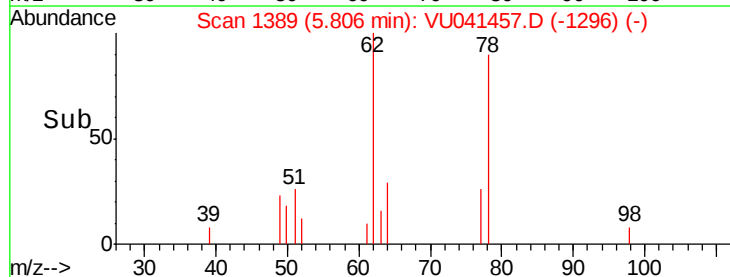
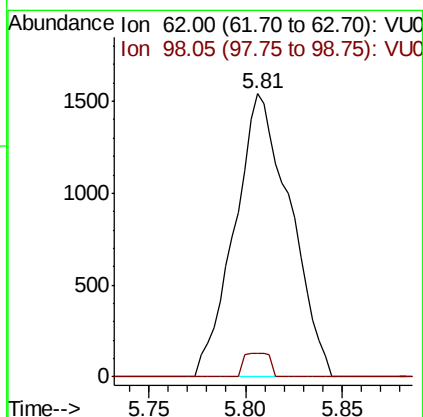
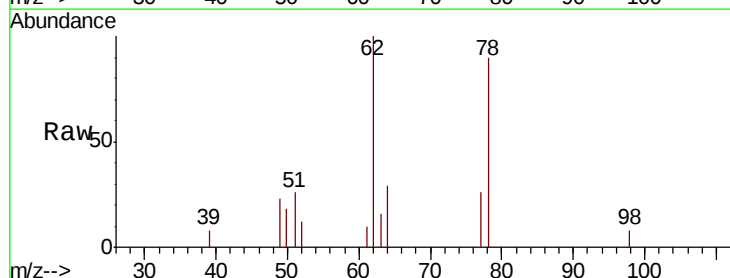
Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

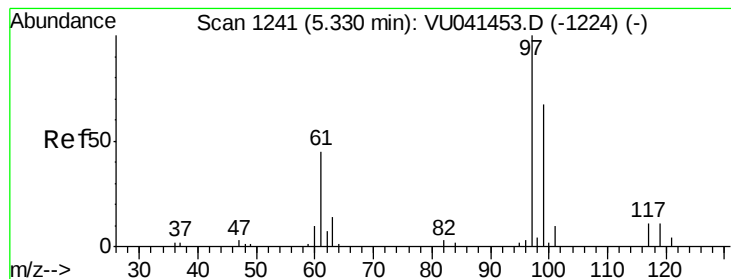
Tot Ion: 83 Resp: 4206
Ion Ratio Lower Upper
83 100
85 61.6 43.7 81.1



#27
1,2-Dichloroethane
Concen: 0.585 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

Tgt Ion: 62 Resp: 3076
Ion Ratio Lower Upper
62 100
98 8.1 5.6 8.4





#29

1,1,1-Trichloroethane

Concen: 0.587 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampled :

VSTD0.505

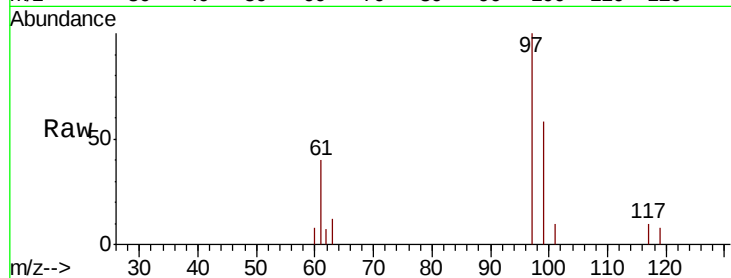
Tot Ion: 97 Resp: 4063

Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.6

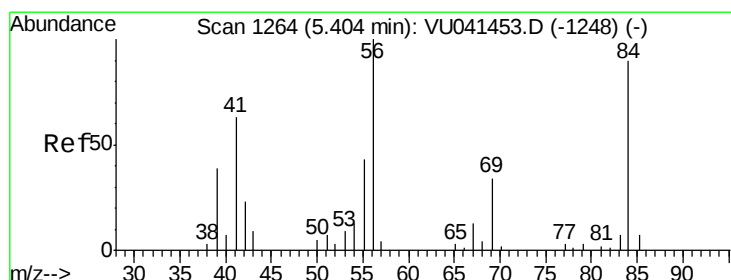
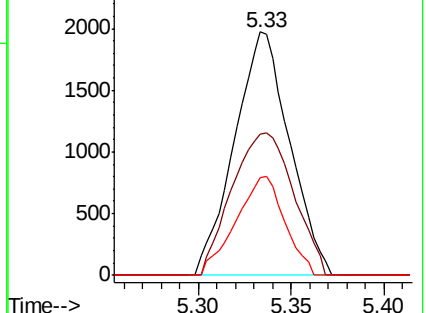
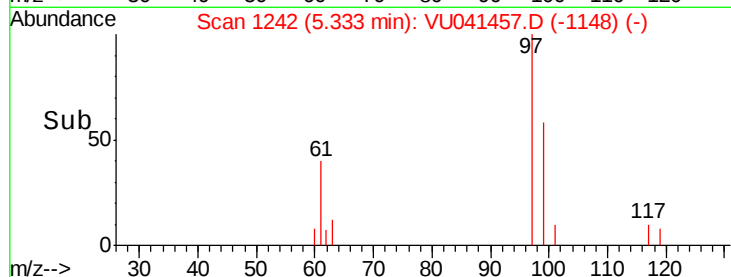
61 36.0 34.7 52.1



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: 0.392 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

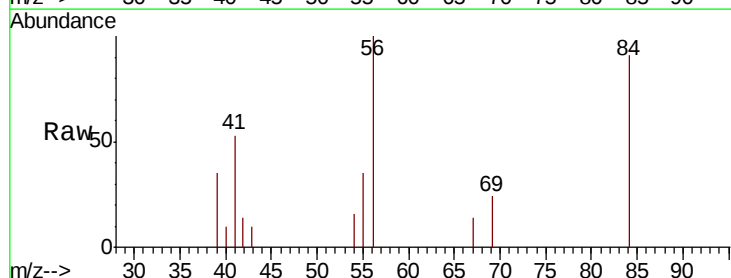
Tgt Ion: 56 Resp: 2150

Ion Ratio Lower Upper

56 100

69 17.5 26.6 39.8#

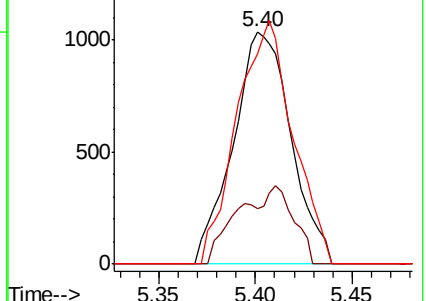
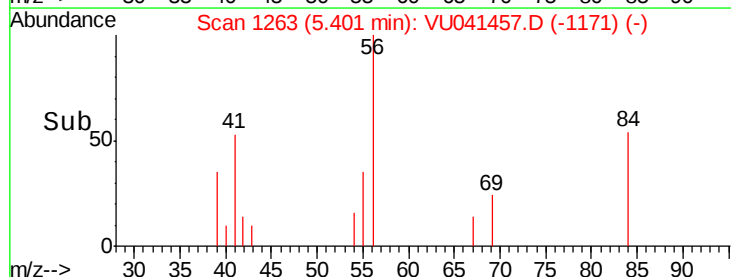
84 102.0 76.7 115.1

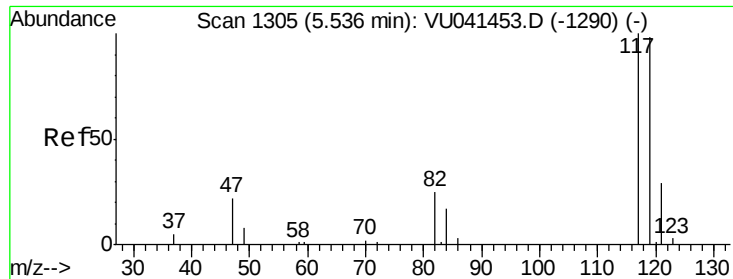


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

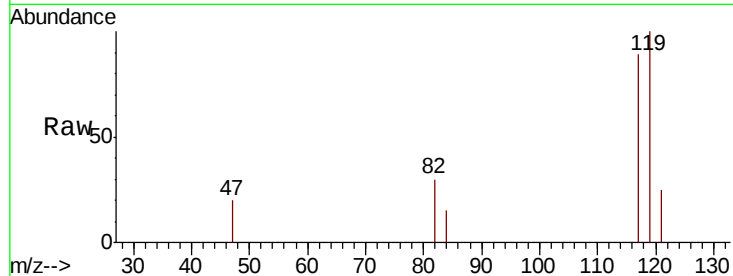




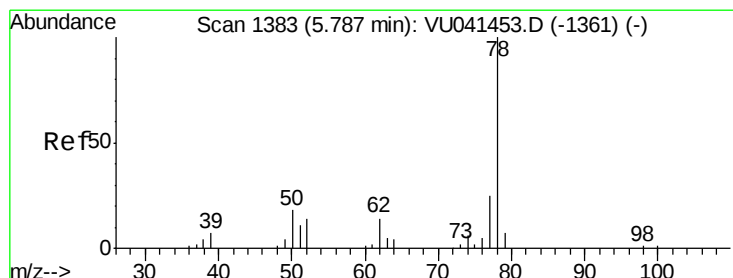
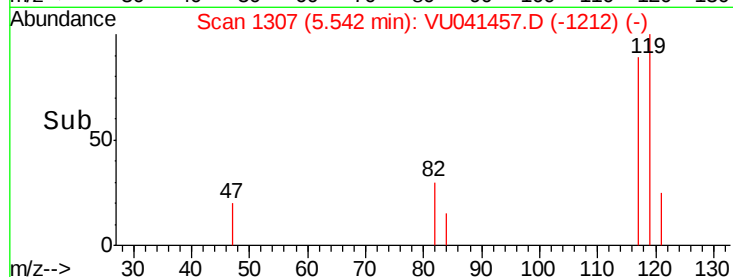
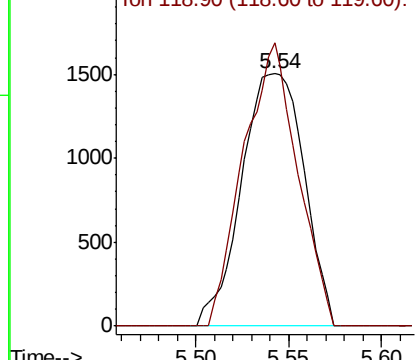
#31
Carbon tetrachloride
Concen: 0.561 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTD0.505

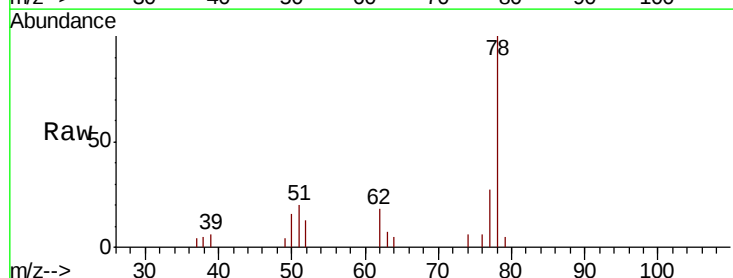
Tot Ion:117 Resp: 3523
Ion Ratio Lower Upper
117 100
119 97.4 77.0 115.4



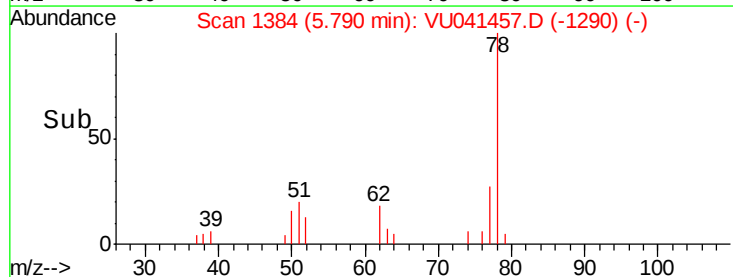
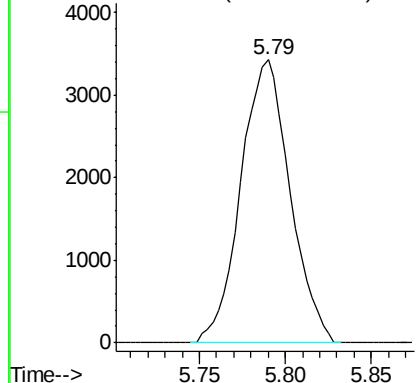
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

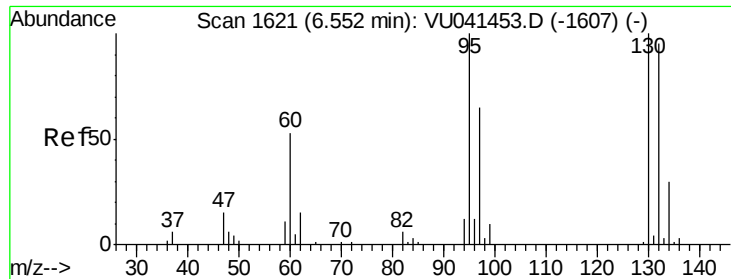


#33
Benzene
Concen: 0.476 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041457.D
Acq: 03 Dec 2020 18:19
Tgt Ion: 78 Resp: 6814



Abundance Ion 78.10 (77.80 to 78.80): VU0

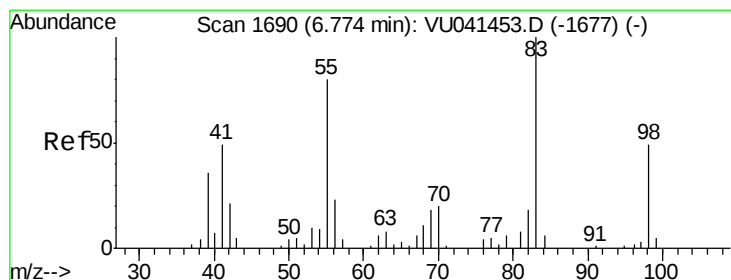
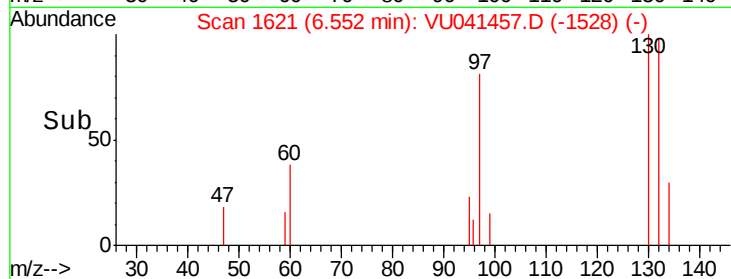
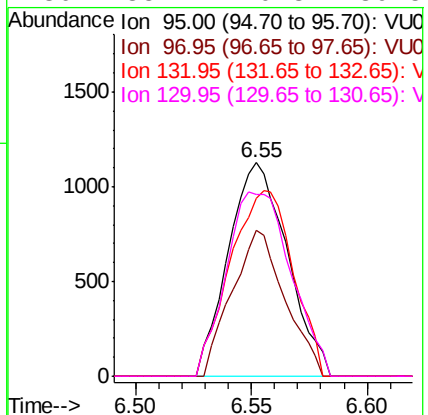
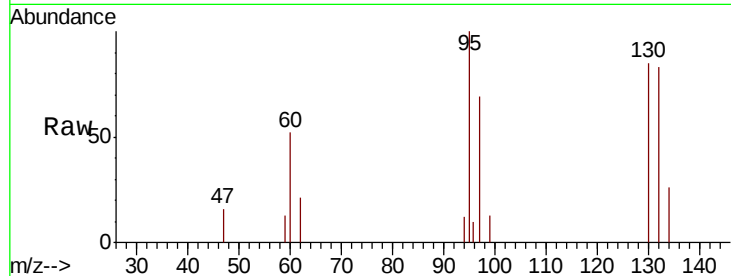




#34
 Trichloroethene
 Concen: 0.506 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

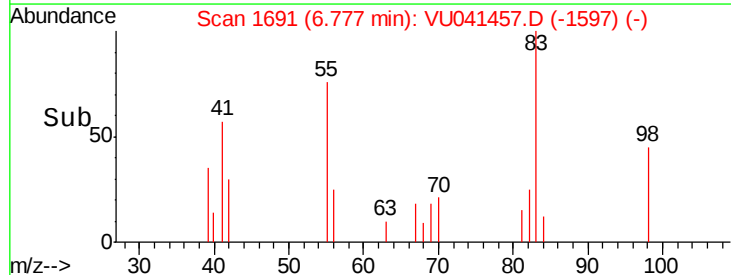
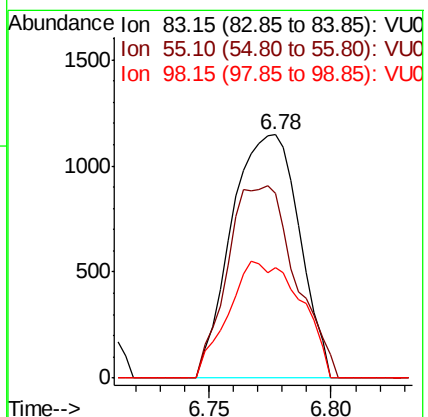
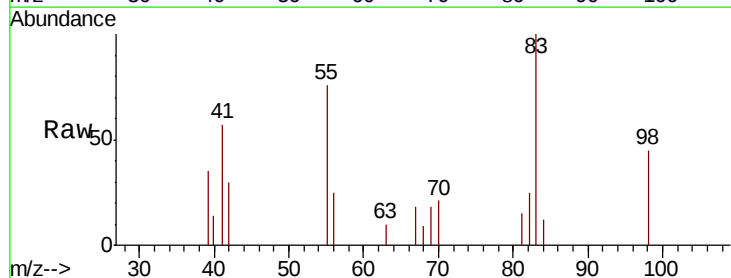
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

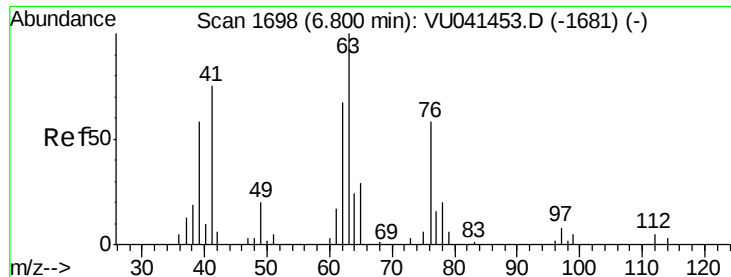
Tot Ion:	95	Resp:	1989
Ion	Ratio	Lower	Upper
95	100		
97	68.6	45.8	85.0
132	83.1	66.5	123.5
130	85.2	70.3	130.5



#35
 Methylcyclohexane
 Concen: 0.393 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion:	83	Resp:	2210
Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.2	93.2
98	51.3	38.2	57.4

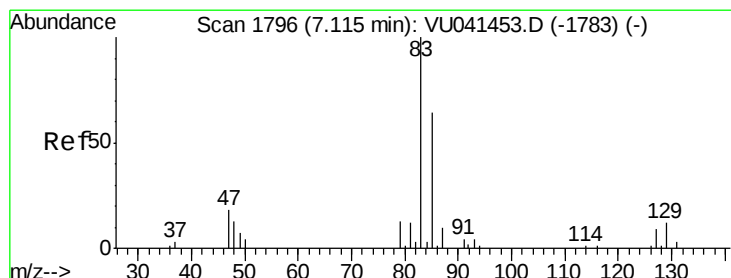
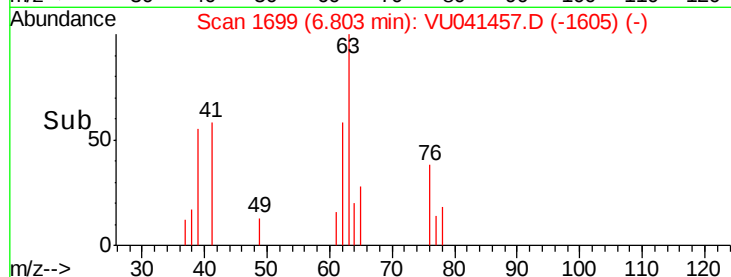
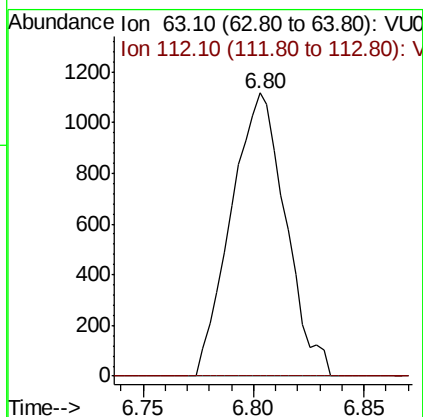
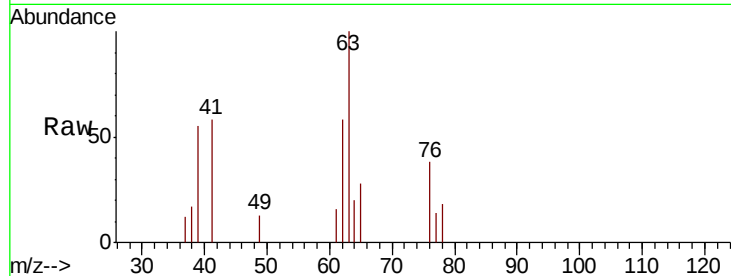




#37
 1,2-Dichloropropane
 Concen: 0.499 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

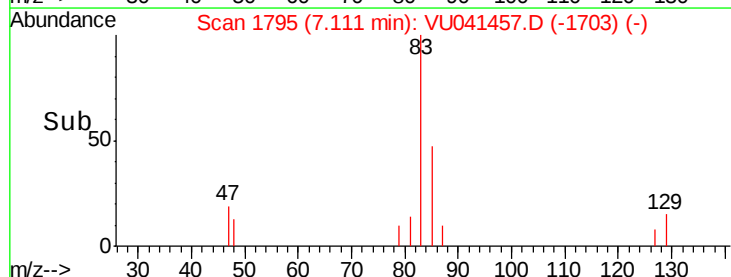
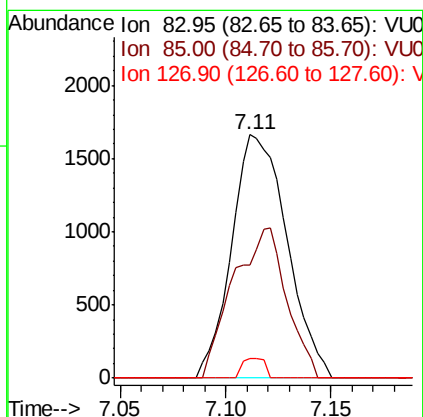
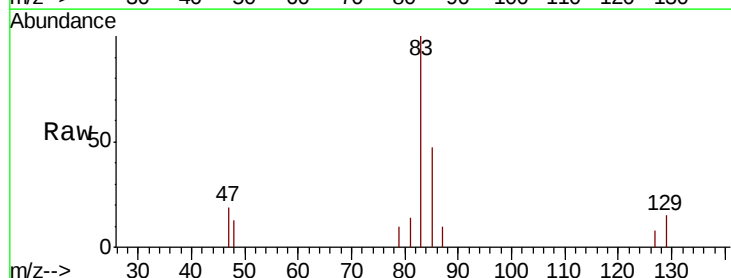
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

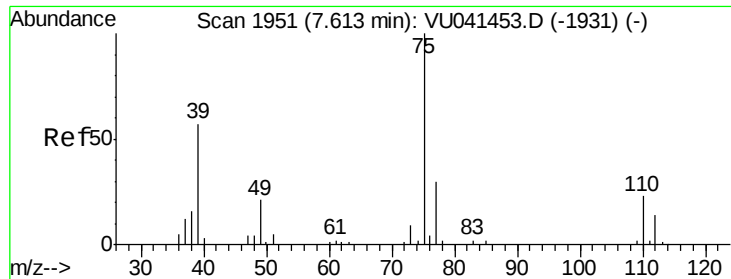
Tot Ion: 63 Resp: 1914
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.557 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion: 83 Resp: 3027
 Ion Ratio Lower Upper
 83 100
 85 46.5 44.8 83.2
 127 8.1 7.0 10.4

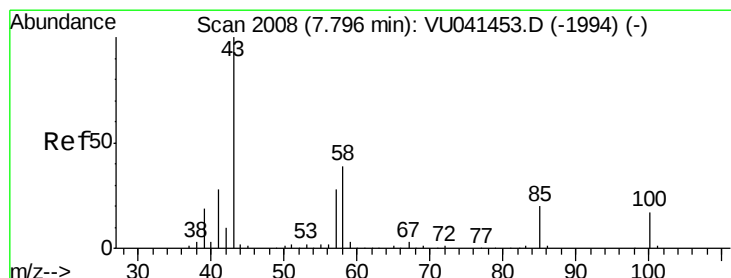
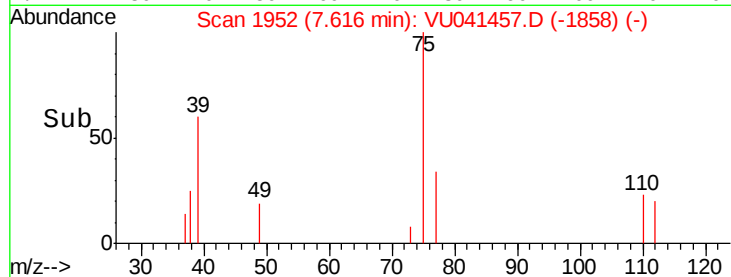
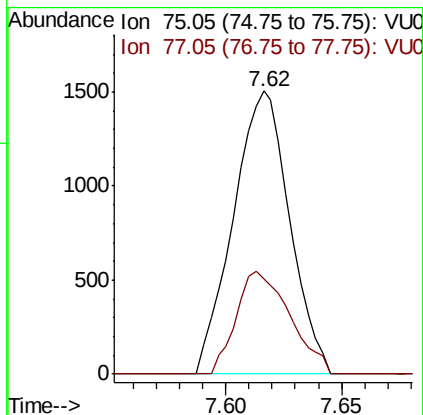
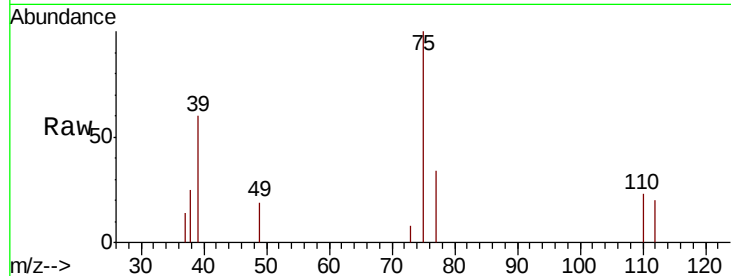




#39
 cis-1,3-Dichloropropene
 Concen: 0.464 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

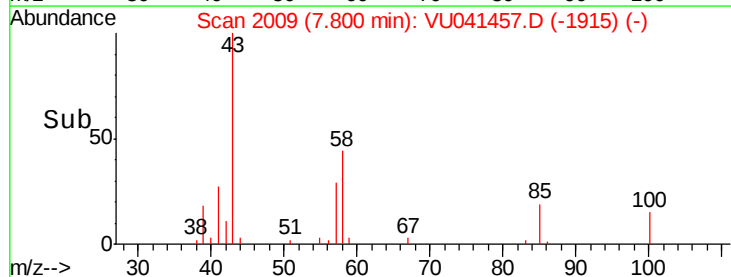
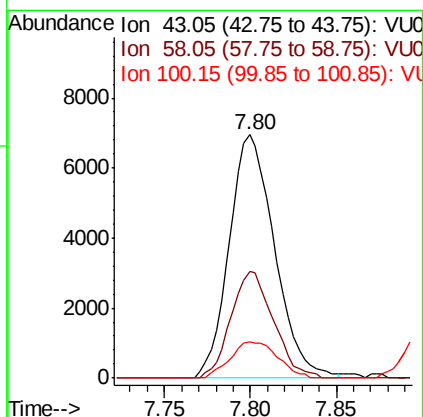
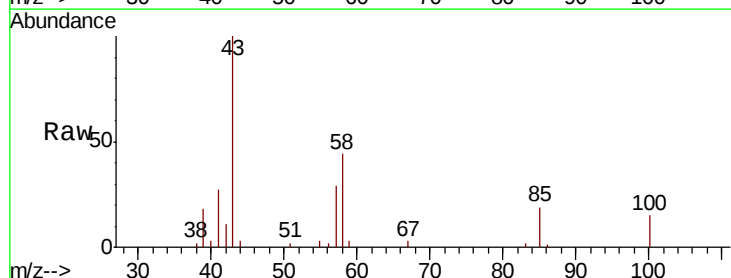
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

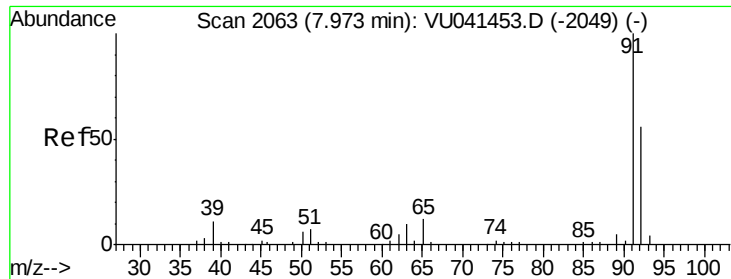
Tot Ion: 75 Resp: 2530
 Ion Ratio Lower Upper
 75 100
 77 33.8 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 5.292 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion: 43 Resp: 12749
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.1 46.7
 100 15.5 13.7 20.5





#42

Toluene

Concen: 0.462 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

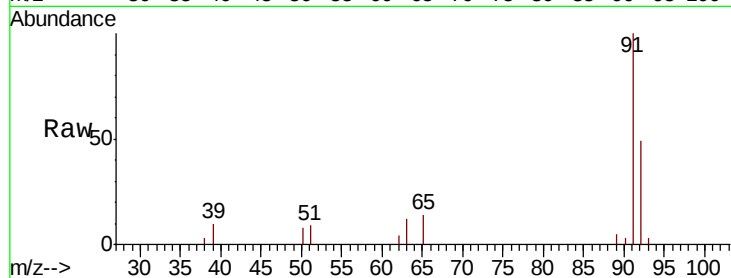
VSTD0.505

Tot Ion: 91 Resp: 7067

Ion Ratio Lower Upper

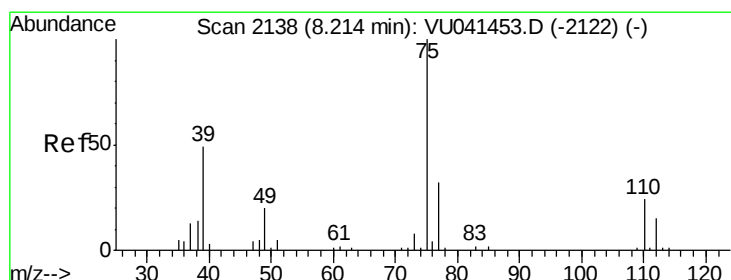
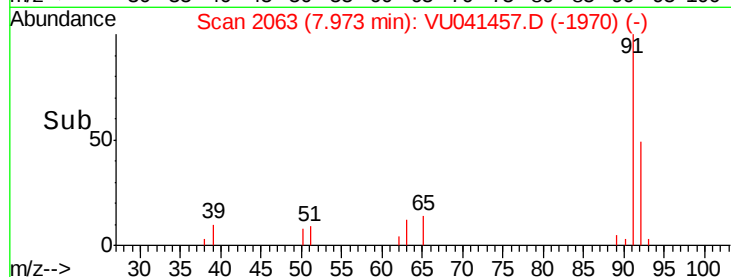
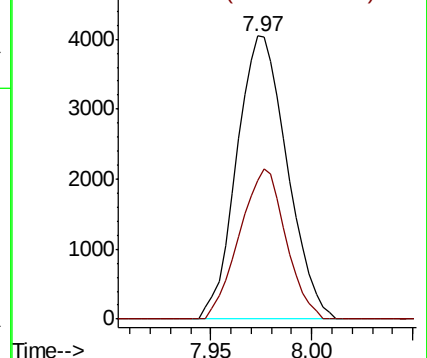
91 100

92 49.1 39.5 73.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.555 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041457.D

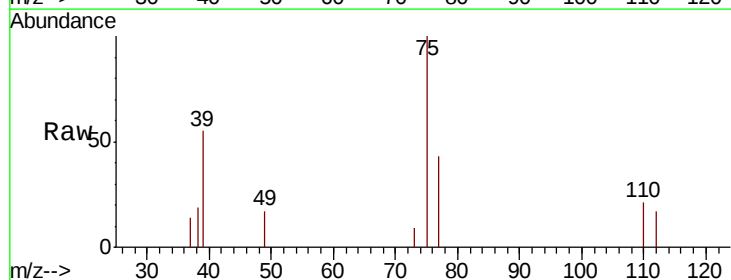
Acq: 03 Dec 2020 18:19

Tgt Ion: 75 Resp: 2804

Ion Ratio Lower Upper

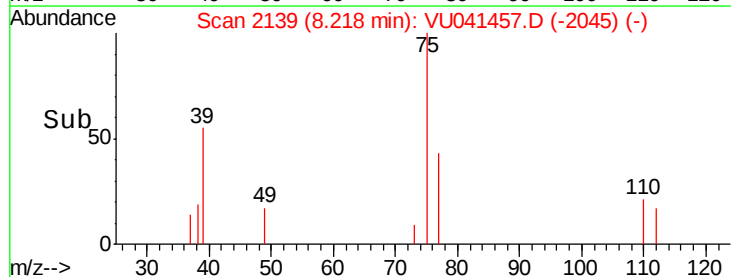
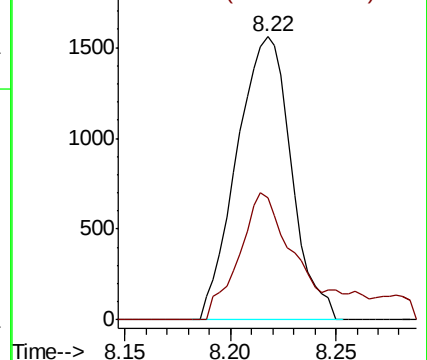
75 100

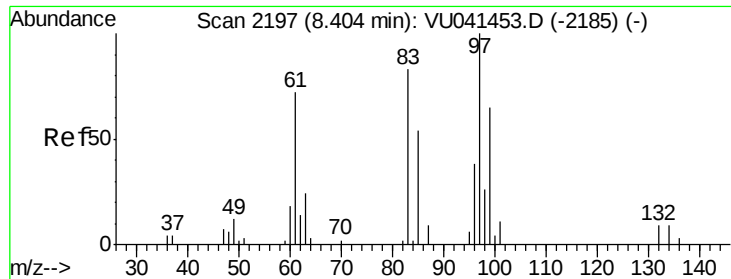
77 42.9 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

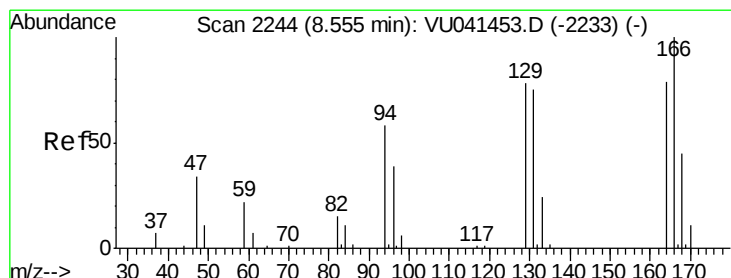
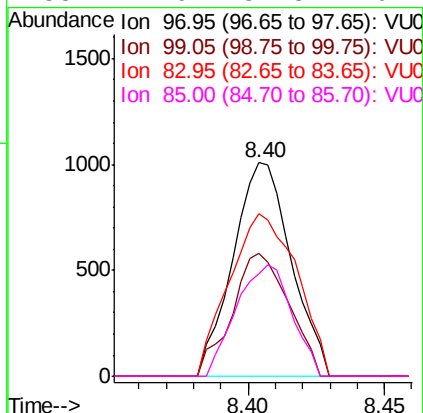
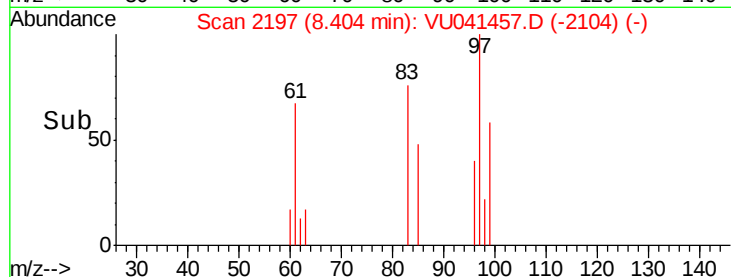
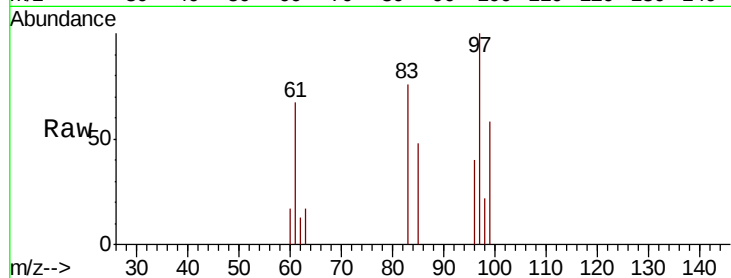




#45
 1,1,2-Trichloroethane
 Concen: 0.544 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

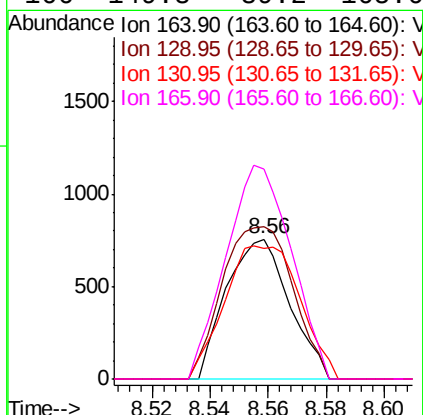
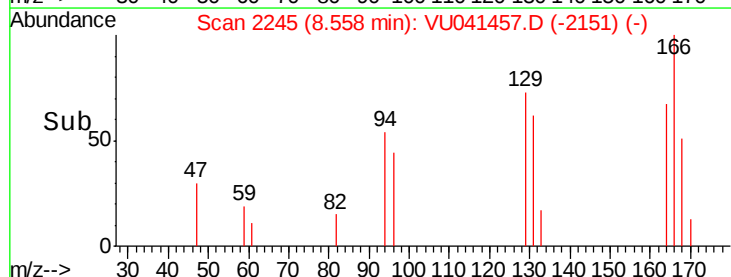
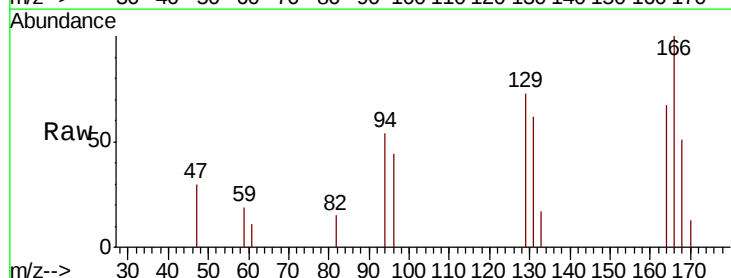
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

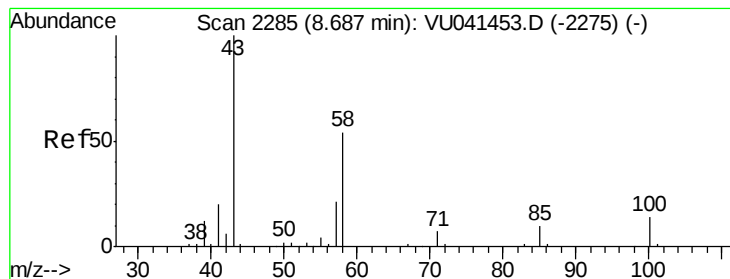
Tot Ion:	97	Resp:	1493
Ion	Ratio	Lower	Upper
97	100		
99	57.6	45.2	84.0
83	76.4	57.8	107.4
85	47.9	37.8	70.2



#47
 Tetrachloroethene
 Concen: 0.385 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion:	164	Resp:	1142
Ion	Ratio	Lower	Upper
164	100		
129	108.7	69.4	128.8
131	93.3	66.5	123.5
166	149.8	89.2	165.6





#48

2-Hexanone

Concen: 5.306 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

Tot Ion: 43 Resp: 9426

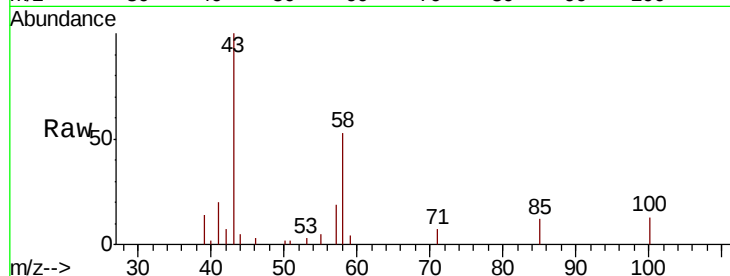
Ion Ratio Lower Upper

43 100

58 56.8 42.9 64.3

57 19.5 17.2 25.8

100 11.9 10.6 15.8

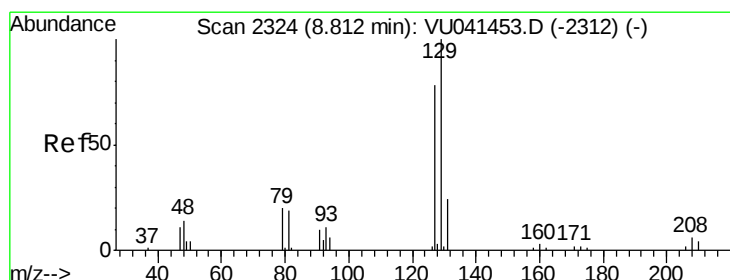
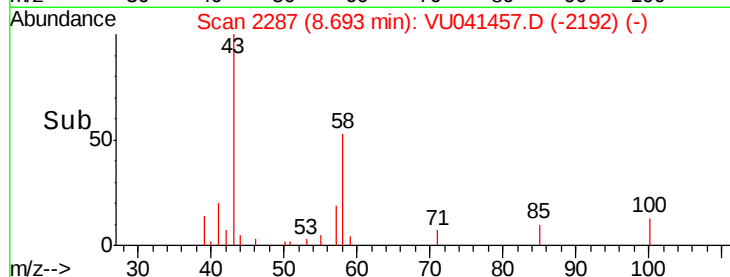
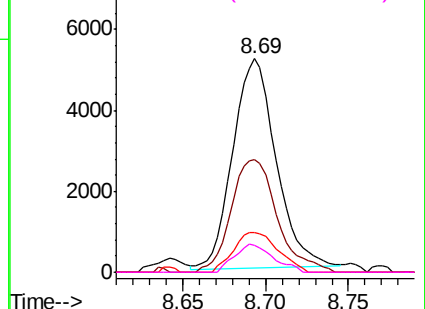


Abundance Ion 43.05 (42.75 to 43.75): VU0

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



#49

Dibromochloromethane

Concen: 0.512 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041457.D

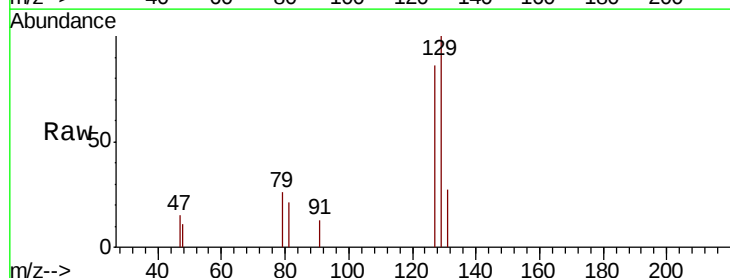
Acq: 03 Dec 2020 18:19

Tgt Ion: 129 Resp: 1839

Ion Ratio Lower Upper

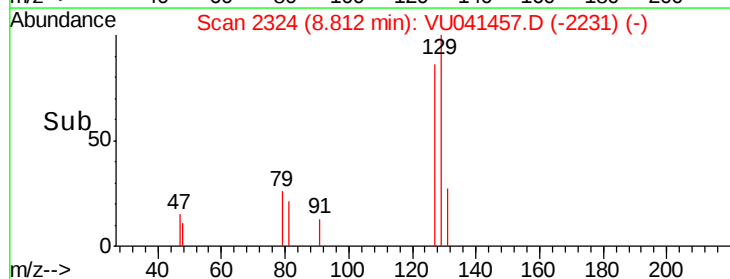
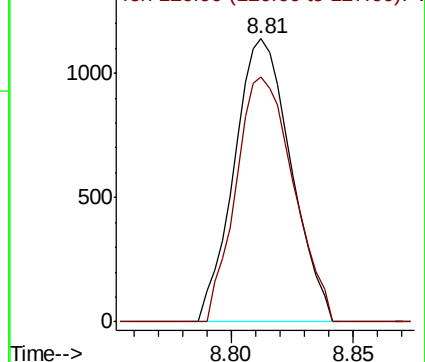
129 100

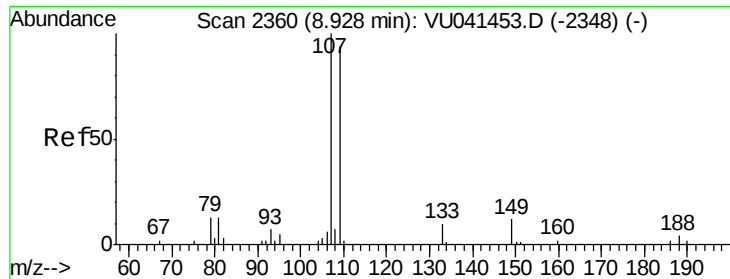
127 86.5 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

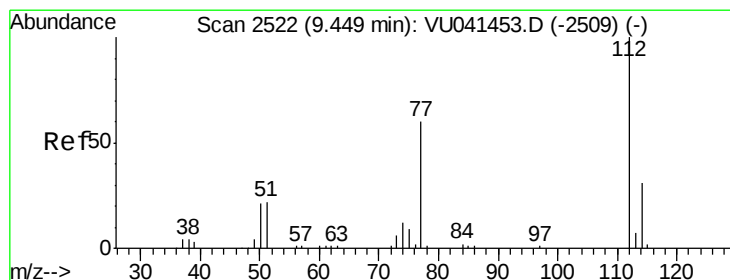
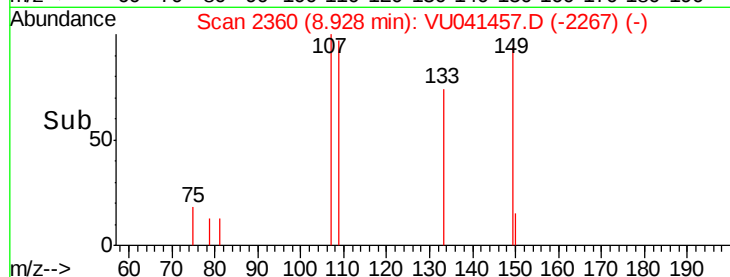
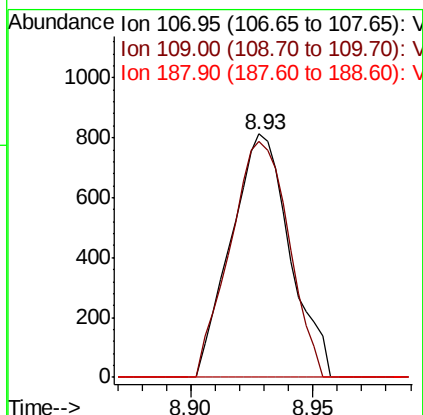
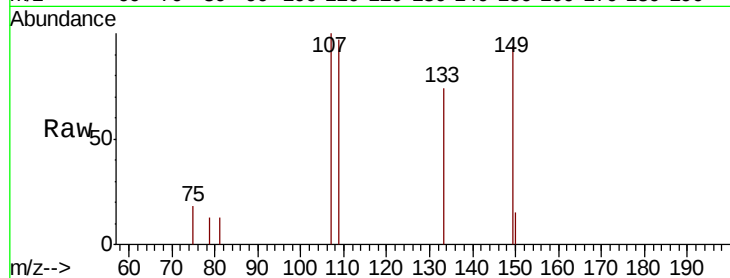




#50
 1,2-Dibromoethane
 Concen: 0.512 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

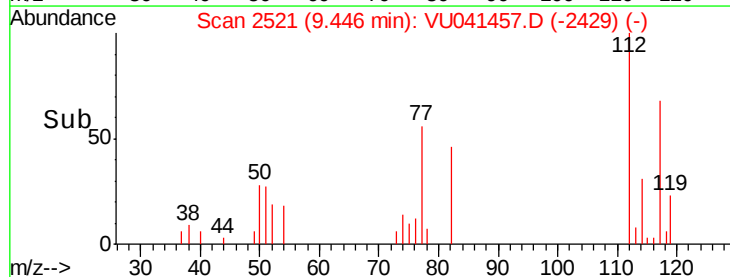
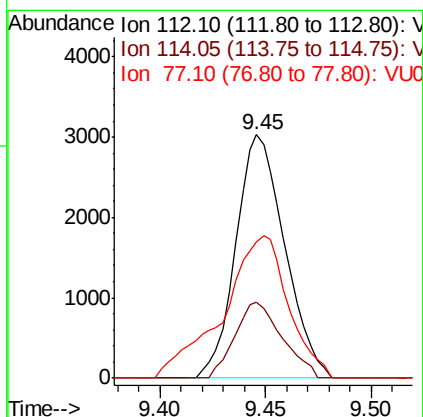
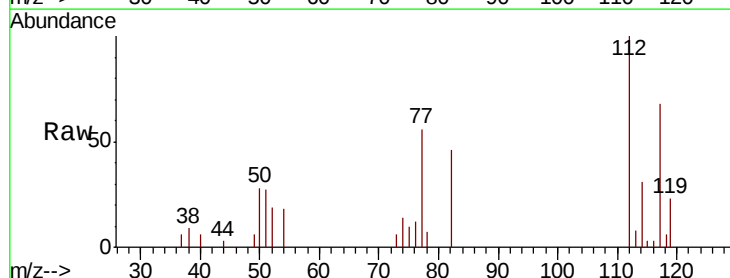
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

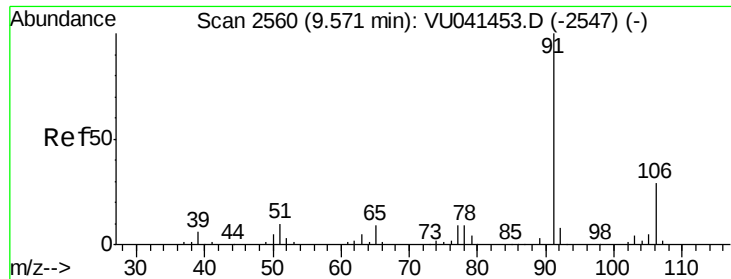
Tot Ion:107 Resp: 1359
 Ion Ratio Lower Upper
 107 100
 109 96.8 66.0 122.6
 188 0.0 3.1 4.7#



#51
 Chlorobenzene
 Concen: 0.486 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion:112 Resp: 4866
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.0 41.0
 77 55.7 48.8 73.2





#52

Ethylbenzene

Concen: 0.492 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

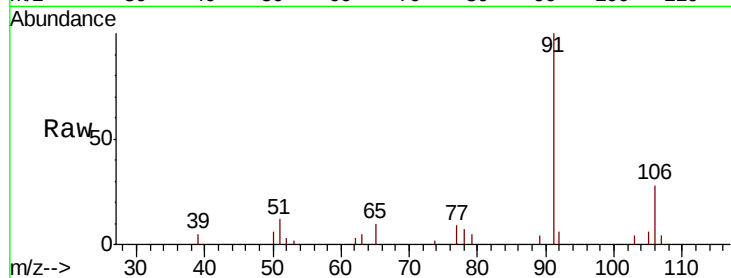
VSTD0.505

Tot Ion: 91 Resp: 8123

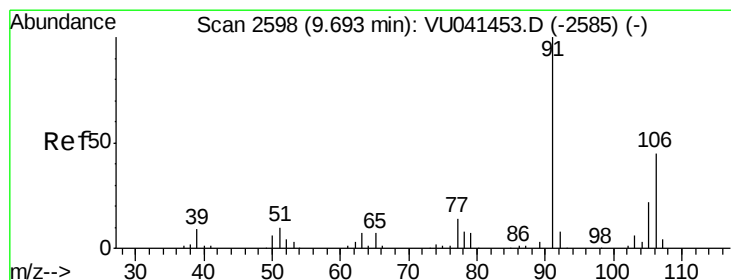
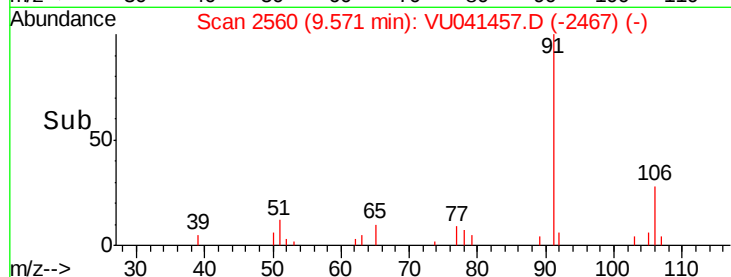
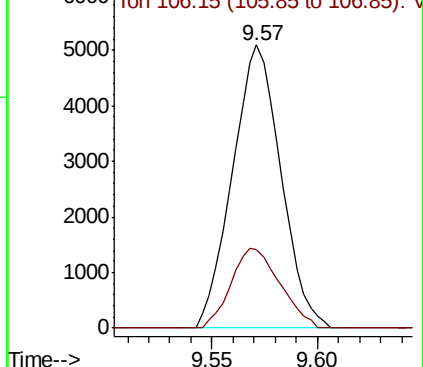
Ion Ratio Lower Upper

91 100

106 27.9 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU041457.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.484 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041457.D

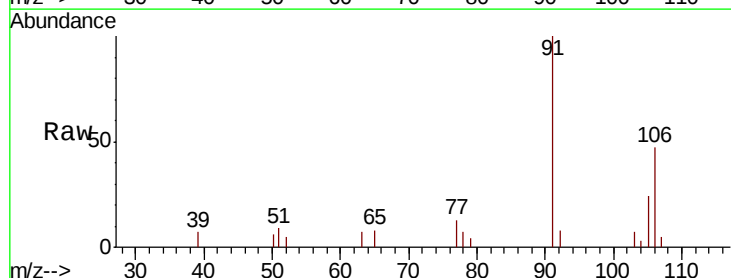
Acq: 03 Dec 2020 18:19

Tgt Ion: 106 Resp: 2920

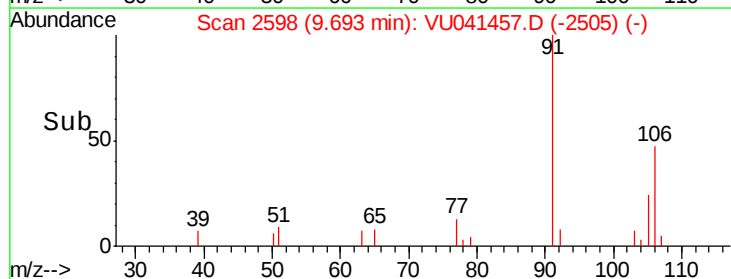
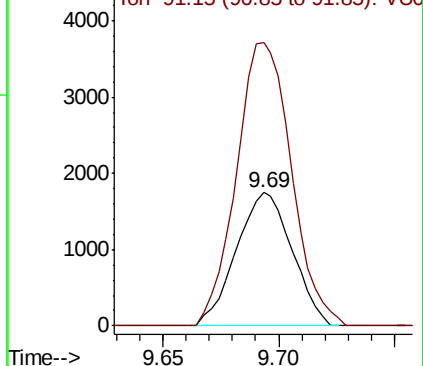
Ion Ratio Lower Upper

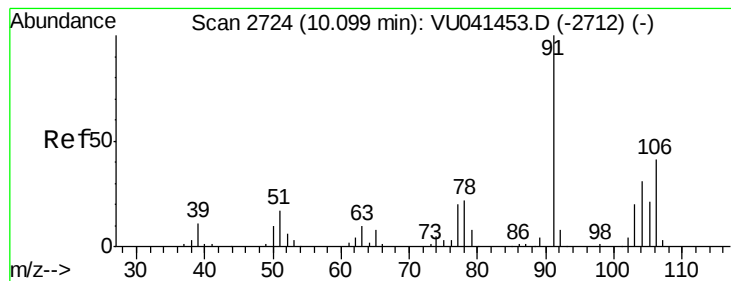
106 100

91 212.6 155.8 289.4



Abundance Ion 106.15 (105.85 to 106.85): VU041457.D (-2598) (-)





#54

o-Xylene

Concen: 0.445 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampled :

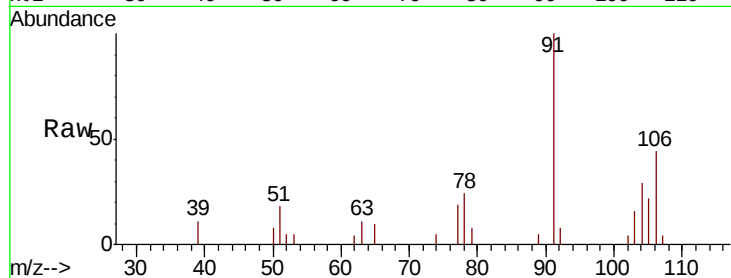
VSTD0.505

Tot Ion:106 Resp: 2594

Ion Ratio Lower Upper

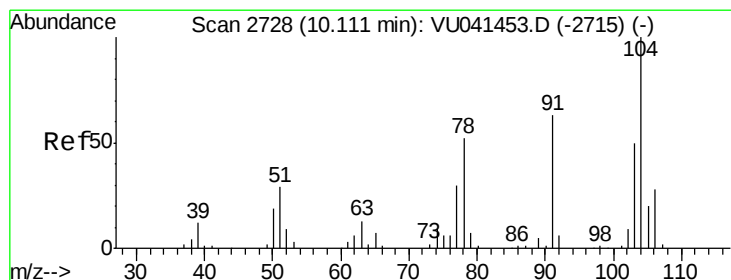
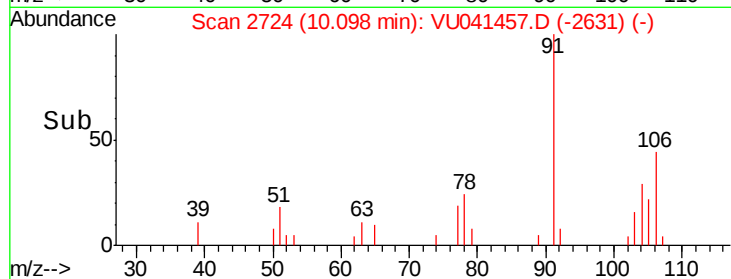
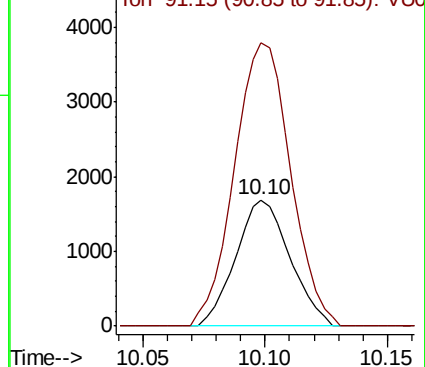
106 100

91 224.8 169.8 315.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.491 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU041457.D

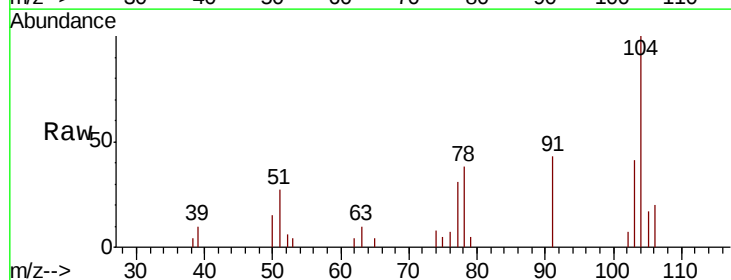
Acq: 03 Dec 2020 18:19

Tgt Ion:104 Resp: 4827

Ion Ratio Lower Upper

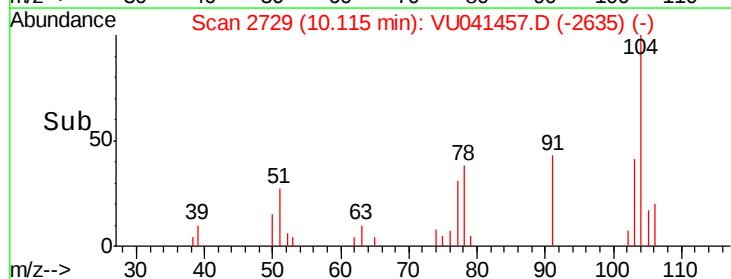
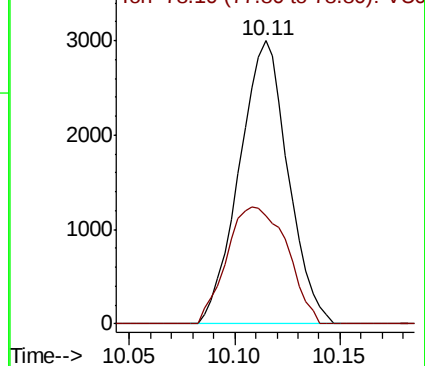
104 100

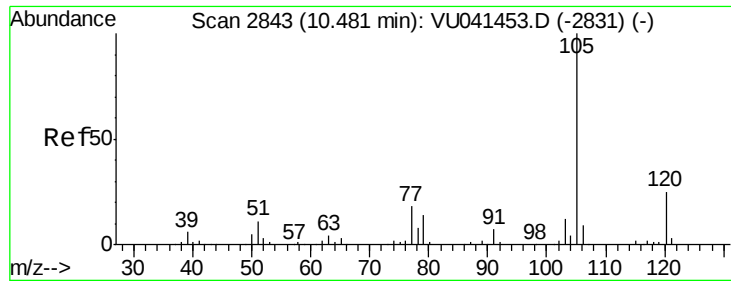
78 38.1 36.9 68.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.482 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

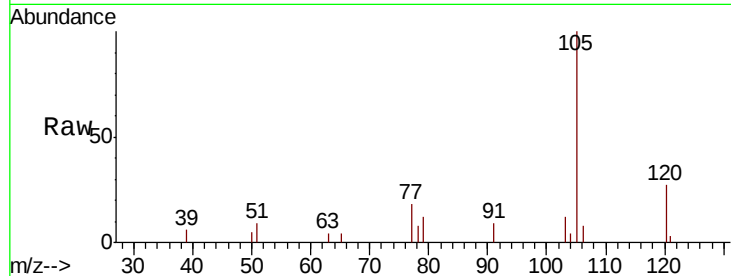
Tot Ion: 105 Resp: 7638

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

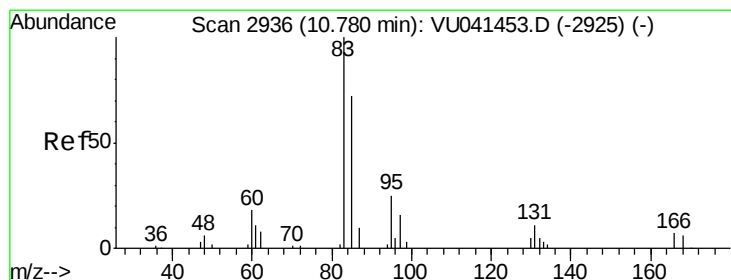
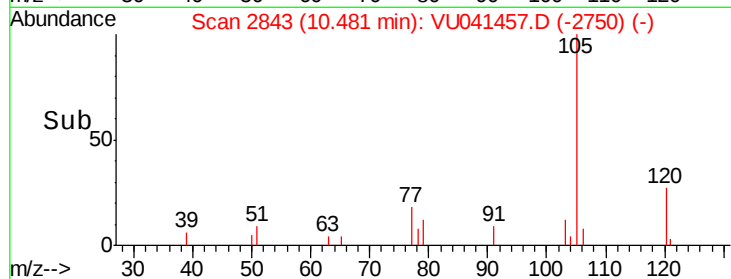
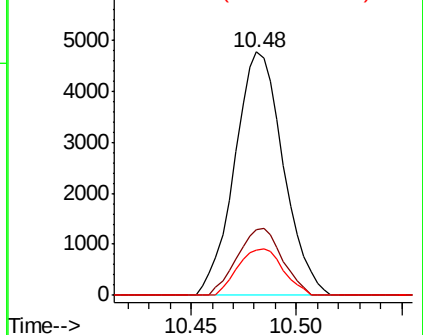
77 17.7 14.2 21.2



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: 0.522 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

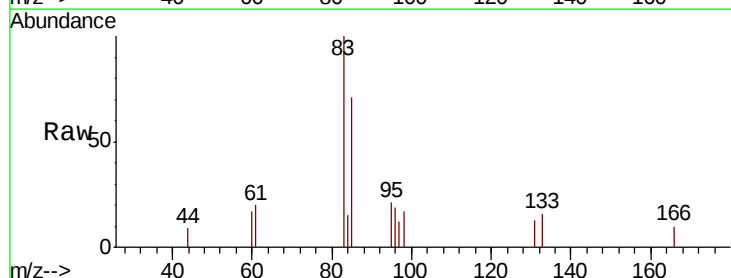
Tgt Ion: 83 Resp: 1748

Ion Ratio Lower Upper

83 100

85 71.4 50.7 94.3

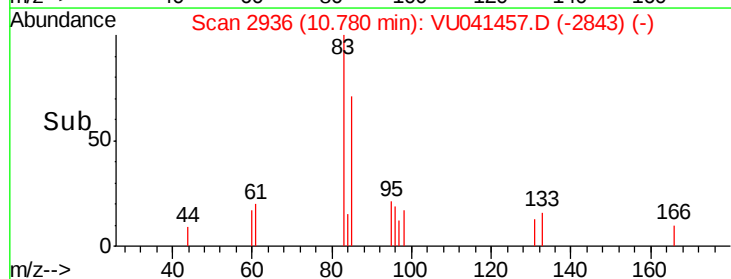
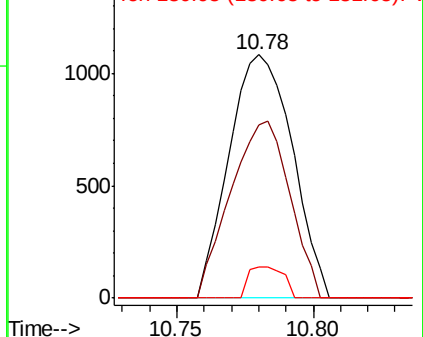
131 12.7 10.3 15.5

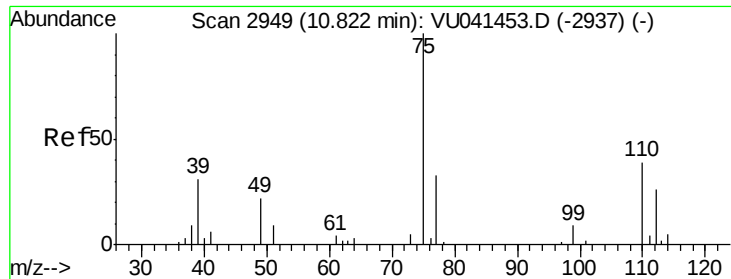


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.640 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

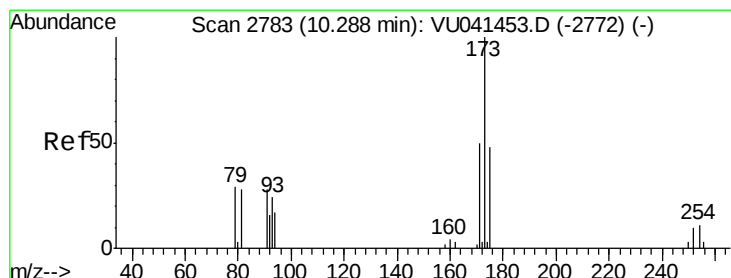
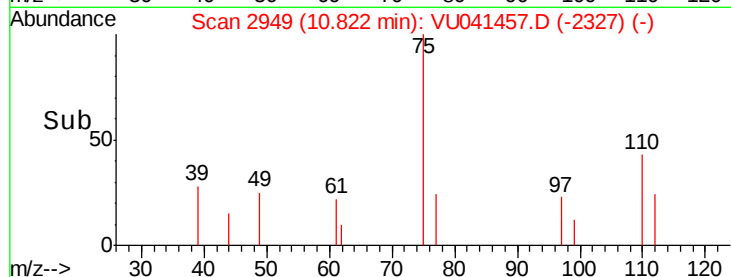
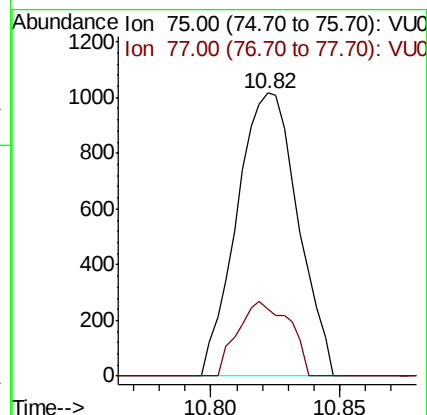
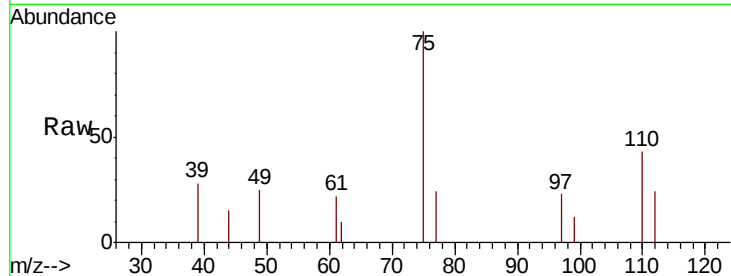
VSTD0.505

Tot Ion: 75 Resp: 1676

Ion Ratio Lower Upper

75 100

77 22.6 27.3 40.9#



#61

Bromoform

Concen: 0.668 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

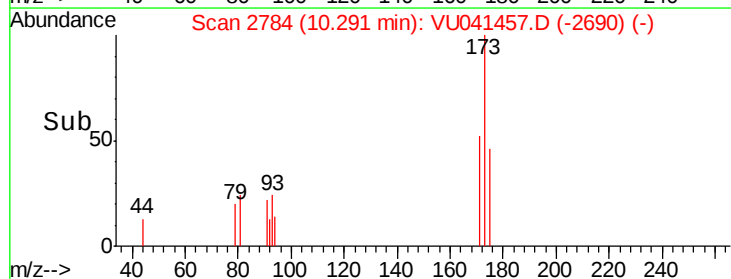
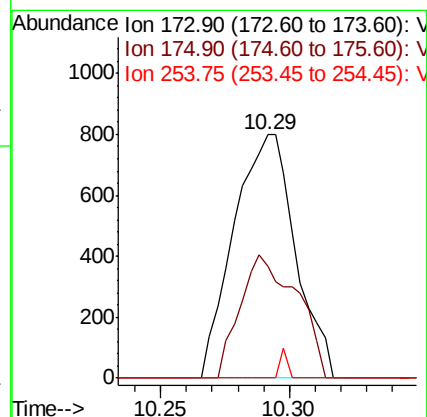
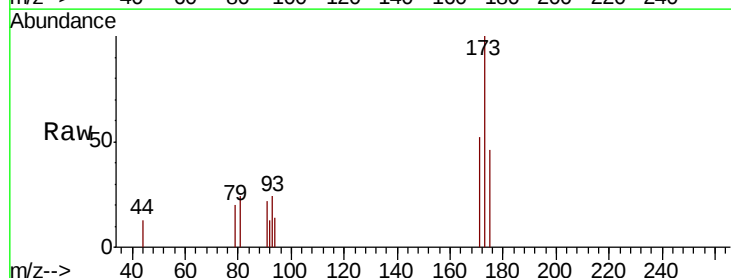
Tgt Ion: 173 Resp: 1332

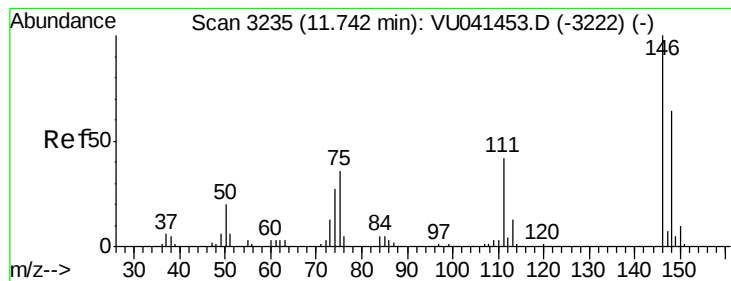
Ion Ratio Lower Upper

173 100

175 46.5 38.0 57.0

254 1.4 7.7 11.5#





#62

1,3-Dichlorobenzene

Concen: 0.537 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

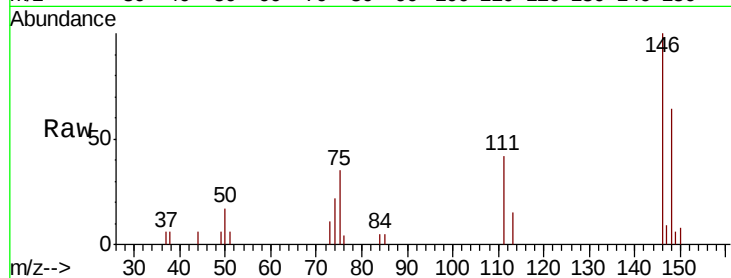
Tot Ion:146 Resp: 4230

Ion Ratio Lower Upper

146 100

111 41.6 29.3 54.3

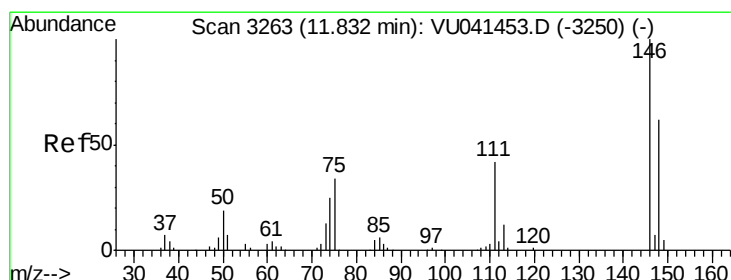
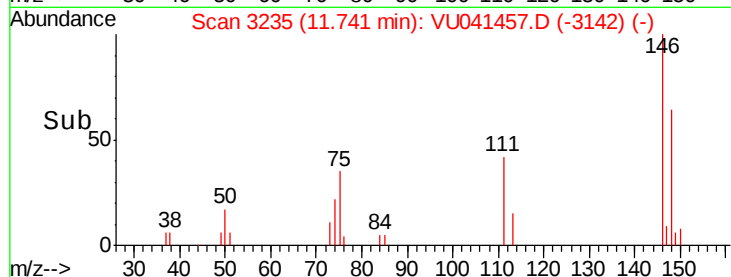
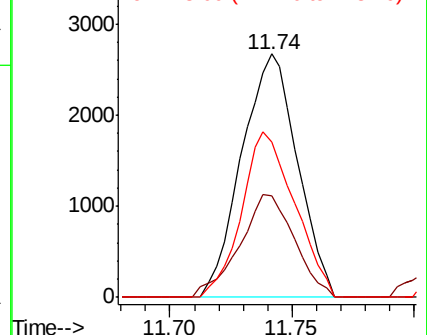
148 63.9 44.7 82.9



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: 0.530 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

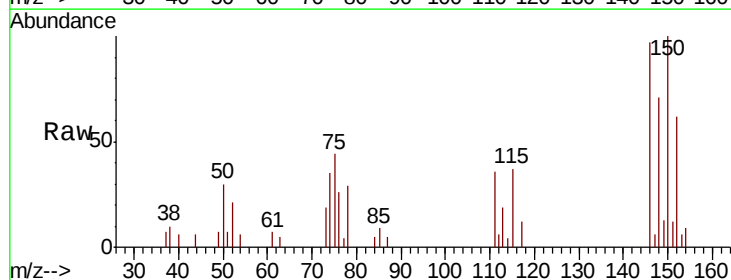
Tgt Ion:146 Resp: 4143

Ion Ratio Lower Upper

146 100

111 36.6 29.8 55.4

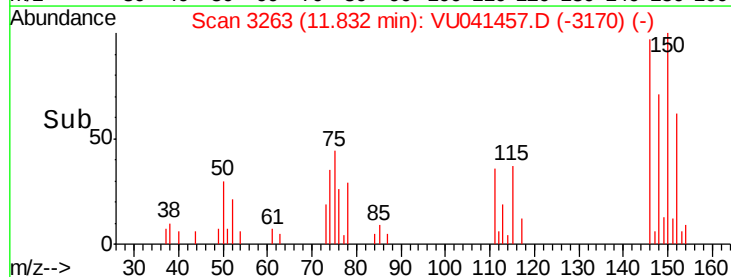
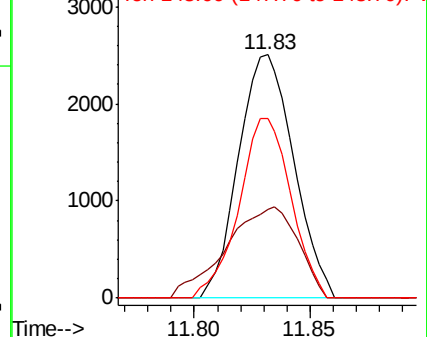
148 73.6 43.1 80.1

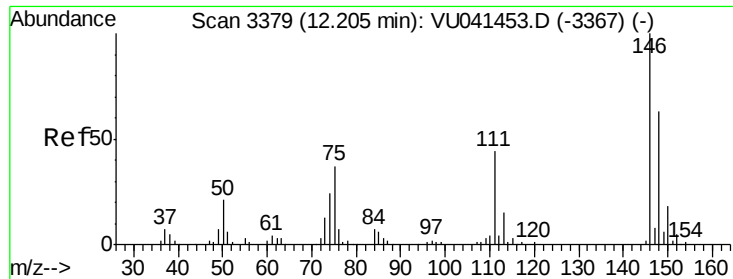


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.563 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

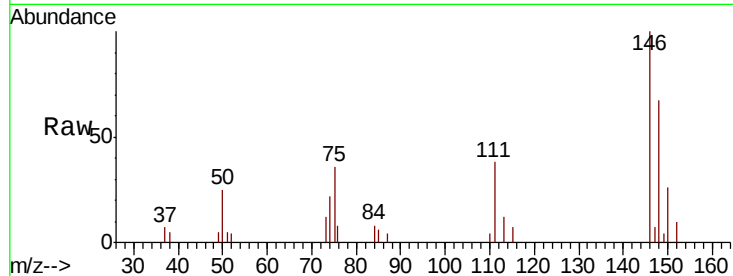
Tot Ion:146 Resp: 4126

Ion Ratio Lower Upper

146 100

111 38.0 35.6 53.4

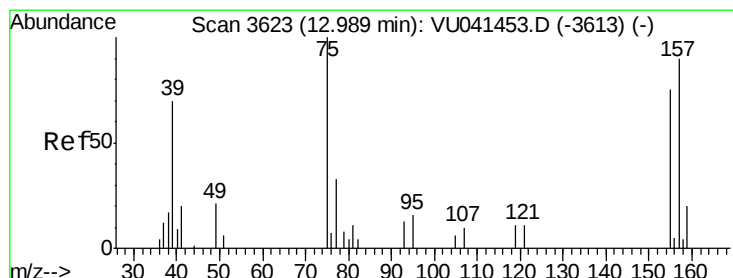
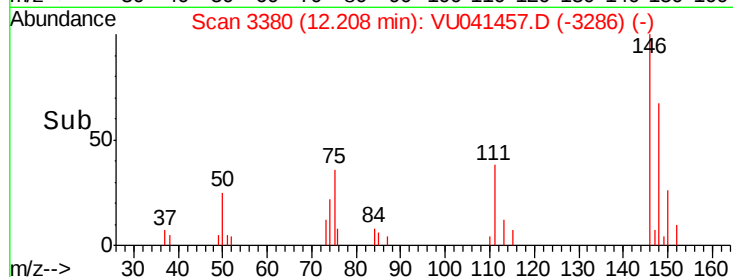
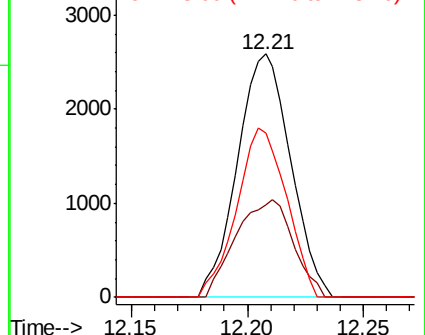
148 67.3 50.8 76.2



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: 0.579 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

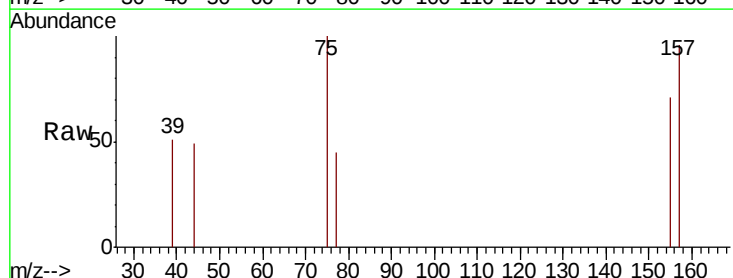
Tgt Ion: 75 Resp: 345

Ion Ratio Lower Upper

75 100

155 71.2 60.0 90.0

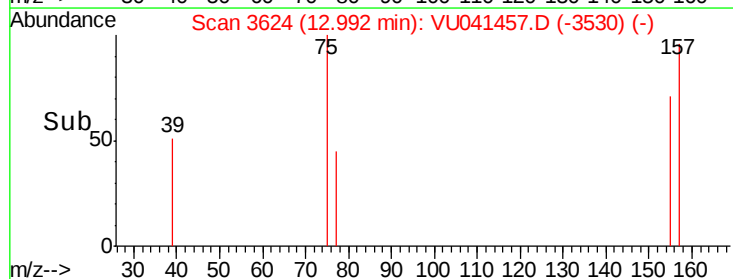
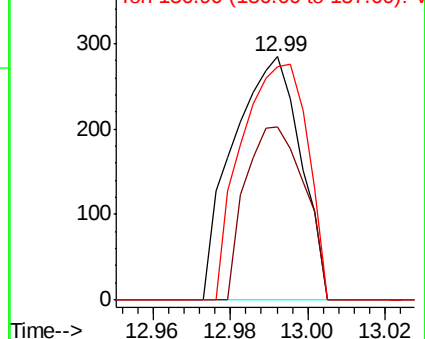
157 95.8 72.3 108.5

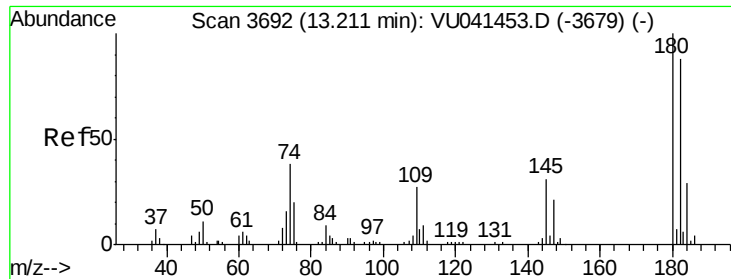


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

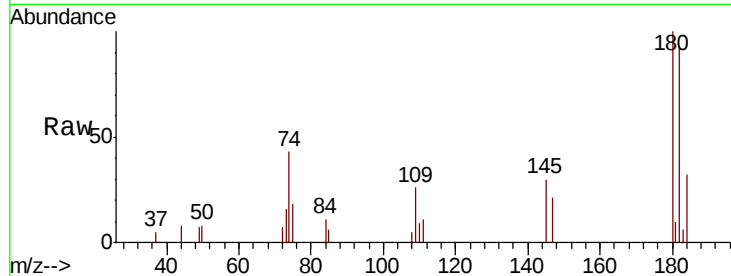




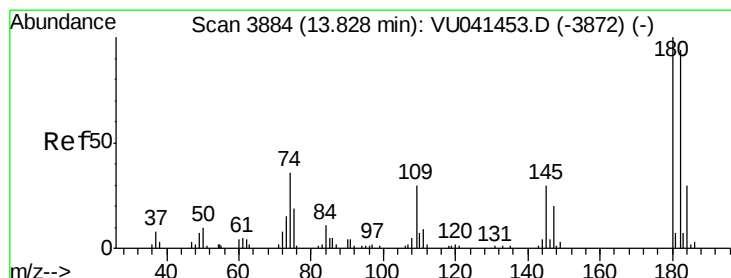
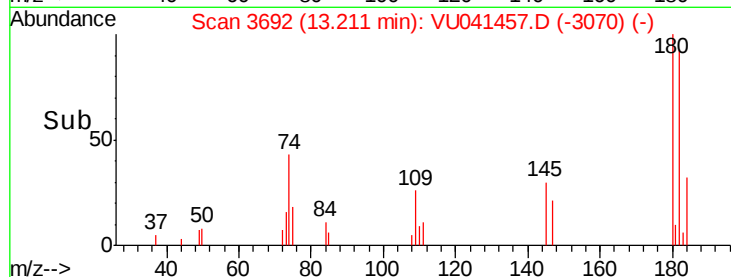
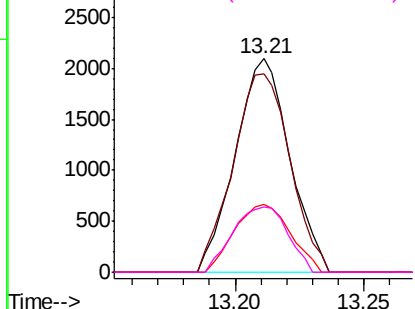
#67
 1,3,5-Trichlorobenzene
 Concen: 0.545 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD0.505

Tot Ion:180 Resp: 3072
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.2 114.4
 184 32.6 24.3 36.5
 145 30.9 25.7 38.5

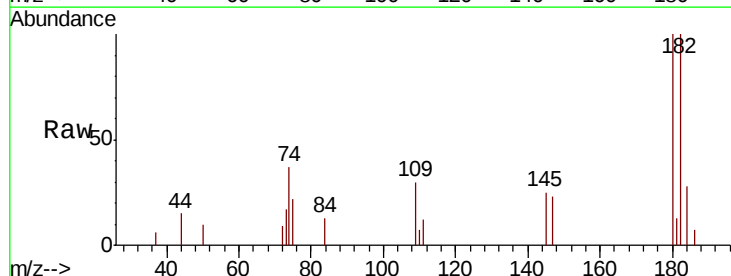


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

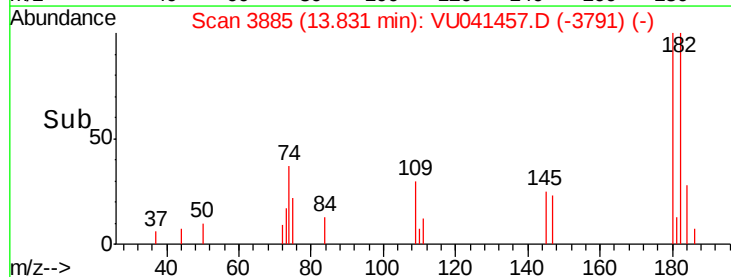
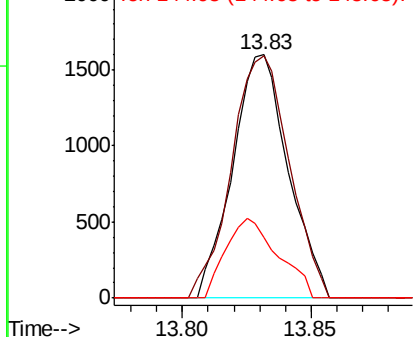


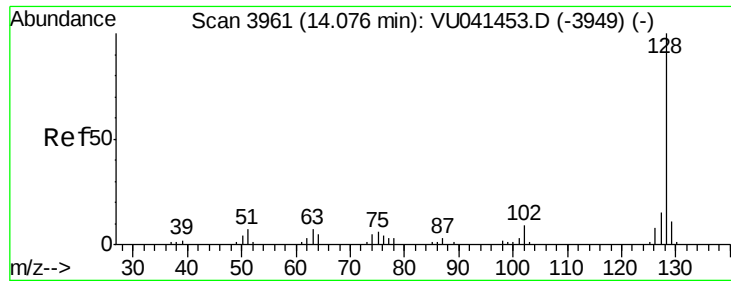
#68
 1,2,4-trichlorobenzene
 Concen: 0.542 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041457.D
 Acq: 03 Dec 2020 18:19

Tgt Ion:180 Resp: 2410
 Ion Ratio Lower Upper
 180 100
 182 103.8 76.1 114.1
 145 30.7 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: 0.541 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTD0.505

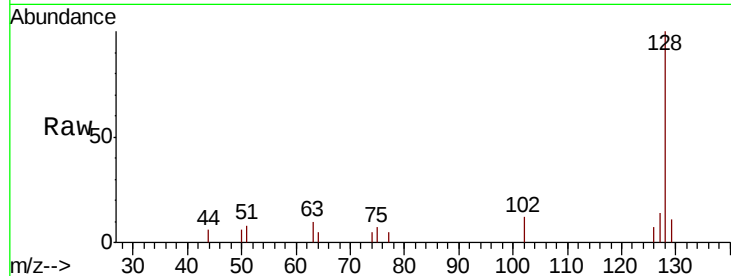
Tot Ion:128 Resp: 3751

Ion Ratio Lower Upper

128 100

129 5.5 8.5 12.7#

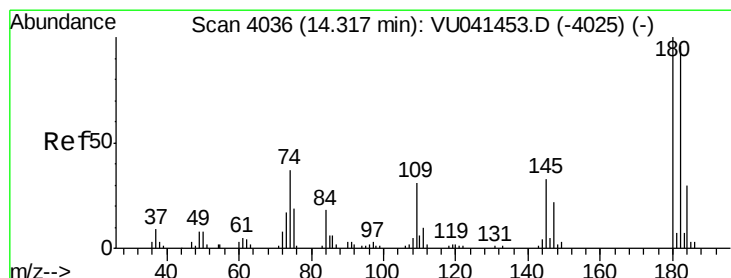
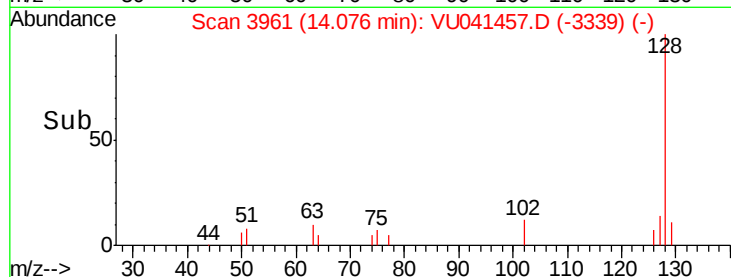
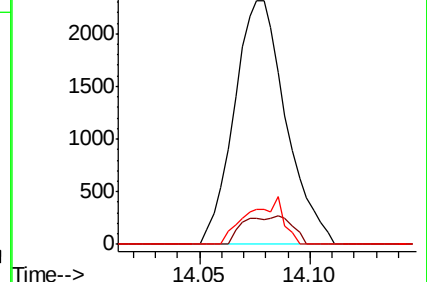
127 13.3 11.6 17.4



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: 0.631 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041457.D

Acq: 03 Dec 2020 18:19

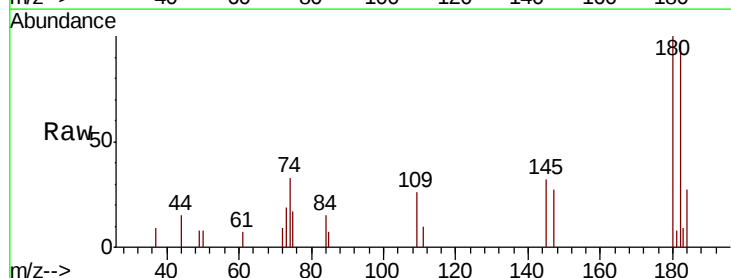
Tgt Ion:180 Resp: 2543

Ion Ratio Lower Upper

180 100

182 88.3 75.3 112.9

145 31.1 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

