

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040934.D
 Acq On : 26 Oct 2020 10:48
 Operator : SY/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Quant Time: Oct 27 02:23:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 02:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	72789	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	73568	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32492	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	2808	0.53	ug/L	0.00
7) Chloroethane-d5	1.92	69	2159	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	5711	0.52	ug/L	0.00
20) 2-Butanone-d5	4.67	46	7858	4.24	ug/L	0.00
24) Chloroform-d	5.08	84	5102	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	3207	0.51	ug/L	0.00
32) Benzene-d6	5.74	84	8466	0.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2832	0.43	ug/L	0.00
41) Toluene-d8	7.90	98	7345	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1146	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	5004	3.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	2541	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	2643	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3090	0.424 ug/L	98
3) Chloromethane	1.53	50	3660	0.468 ug/L	94
5) Vinyl chloride	1.61	62	3312	0.450 ug/L	95
6) Bromomethane	1.86	94	1912	0.499 ug/L	100
8) Chloroethane	1.94	64	2312	0.488 ug/L	98
9) Trichlorofluoromethane	2.15	101	4515	0.462 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2620	0.461 ug/L	94
12) 1,1-Dichloroethene	2.59	96	2576	0.485 ug/L	82
13) Acetone	2.67	43	2515	1.930 ug/L	86
14) Carbon disulfide	2.81	76	8233	0.440 ug/L	98
15) Methyl Acetate	2.97	43	1542	0.483 ug/L #	62
16) Methylene chloride	3.06	84	3074	0.470 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	6072	0.464 ug/L	94
18) trans-1,2-Dichloroethene	3.37	96	2578	0.470 ug/L	94
19) 1,1-Dichloroethane	3.89	63	5070	0.460 ug/L	98
21) 2-Butanone	4.74	43	9236	4.728 ug/L	91
22) cis-1,2-Dichloroethene	4.68	96	2369	0.395 ug/L	91
23) Bromochloromethane	4.99	128	1019	0.378 ug/L #	70
25) Chloroform	5.11	83	4935	0.439 ug/L	97
27) 1,2-Dichloroethane	5.81	62	3743	0.482 ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	4354	0.463 ug/L	96
30) Cyclohexane	5.40	56	3779	0.401 ug/L	97
31) Carbon tetrachloride	5.54	117	4008	0.480 ug/L	96
33) Benzene	5.79	78	10154	0.435 ug/L	100
34) Trichloroethene	6.55	95	2579	0.432 ug/L	94
35) Methylcyclohexane	6.77	83	3428	0.385 ug/L	99
37) 1,2-Dichloropropane	6.80	63	2802	0.443 ug/L #	89
38) Bromodichloromethane	7.11	83	3653	0.452 ug/L	92
39) cis-1,3-Dichloropropene	7.61	75	3474	0.409 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	18870	4.299 ug/L	97

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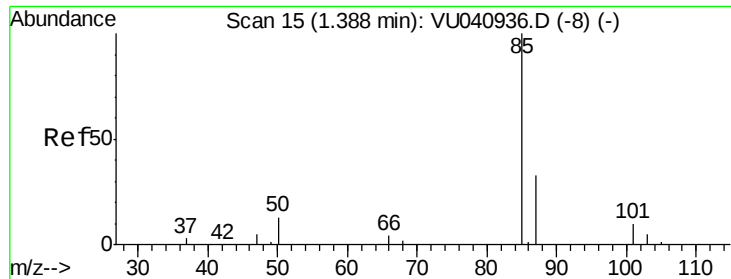
Instrument :
 MSVOA_U
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	9479	0.403	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	3079	0.398	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	2084	0.479	ug/L	88
47) Tetrachloroethene	8.56	164	1892	0.427	ug/L	95
48) 2-Hexanone	8.69	43	14416	4.471	ug/L	93
49) Dibromochloromethane	8.81	129	2278	0.439	ug/L	97
50) 1,2-Dibromoethane	8.93	107	1988	0.487	ug/L #	97
51) Chlorobenzene	9.45	112	6519	0.430	ug/L	94
52) Ethylbenzene	9.57	91	9682	0.383	ug/L	93
53) m,p-Xylene	9.69	106	3466	0.382	ug/L	87
54) o-Xylene	10.10	106	3131	0.363	ug/L	97
55) Styrene	10.11	104	5146	0.342	ug/L	98
56) Isopropylbenzene	10.48	105	8402	0.365	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	2642	0.471	ug/L	97
59) 1,2,3-Trichloropropane	10.83	75	2040	0.483	ug/L	94
61) Bromoform	10.29	173	1204	0.501	ug/L #	90
62) 1,3-Dichlorobenzene	11.74	146	4320	0.429	ug/L	94
63) 1,4-Dichlorobenzene	11.83	146	4796	0.462	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	4517	0.474	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	352	0.387	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	3168	0.428	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2319	0.374	ug/L	94
69) Naphthalene	14.08	128	3224	0.284	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.31	180	1963	0.327	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.424 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

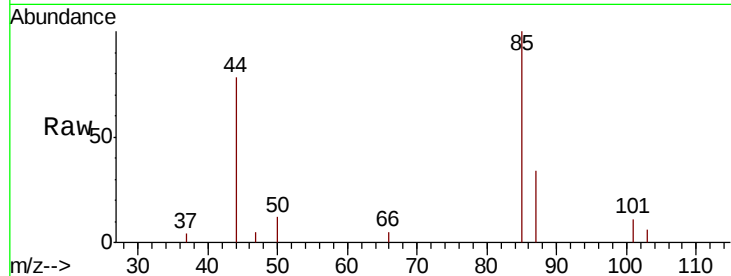
VSTD0.501

Tot Ion: 85 Resp: 3090

Ion Ratio Lower Upper

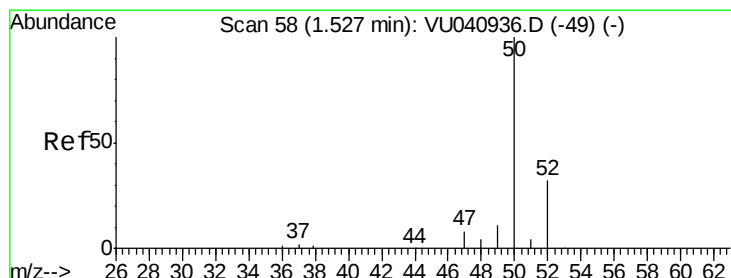
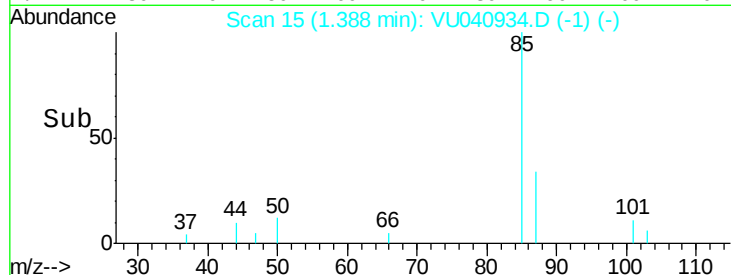
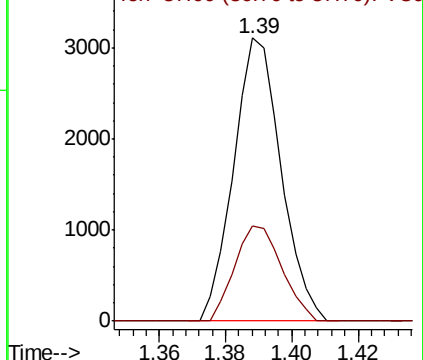
85 100

87 33.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.468 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040934.D

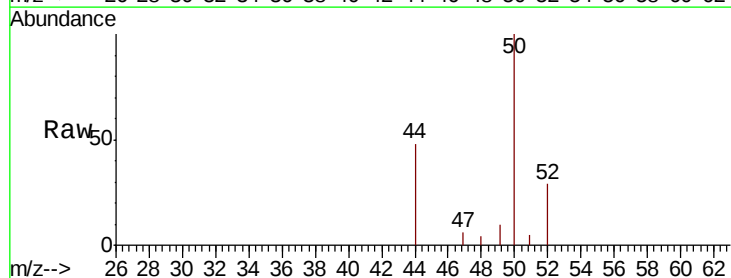
Acq: 26 Oct 2020 10:48

Tgt Ion: 50 Resp: 3660

Ion Ratio Lower Upper

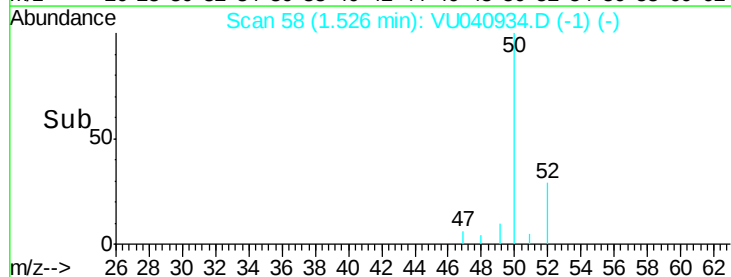
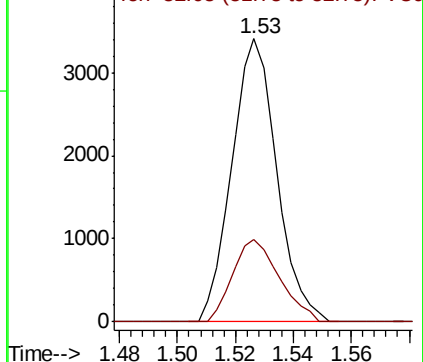
50 100

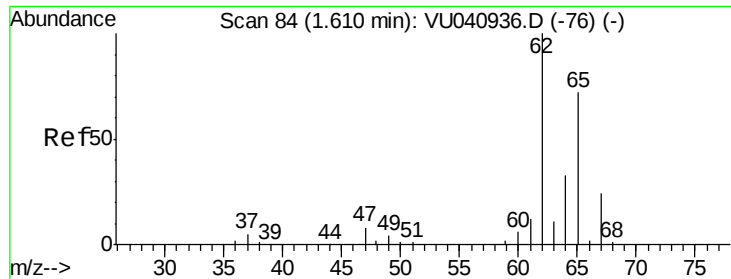
52 28.9 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

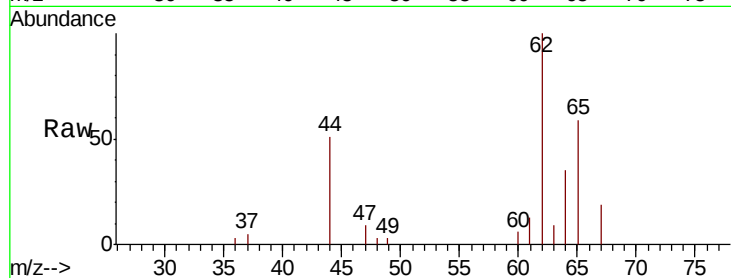
VSTD0.501

Tot Ion: 62 Resp: 3312

Ion Ratio Lower Upper

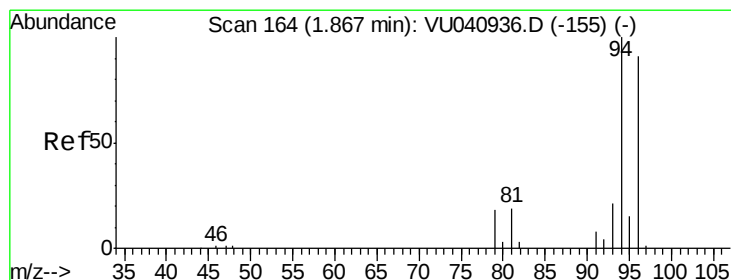
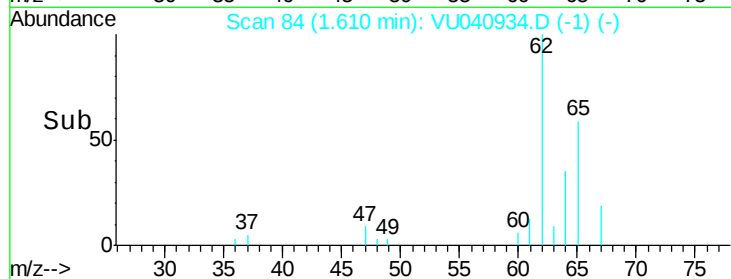
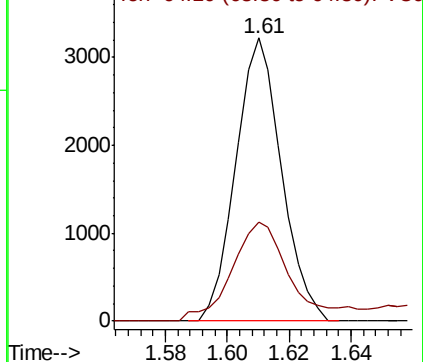
62 100

64 35.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.499 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040934.D

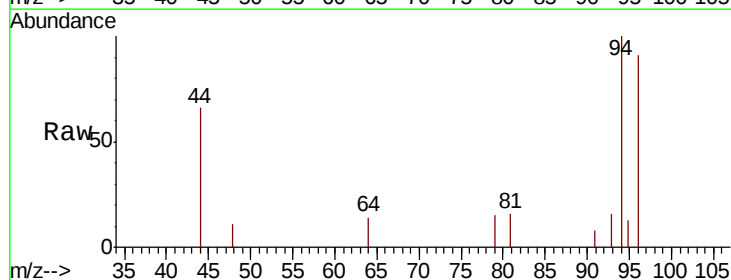
Acq: 26 Oct 2020 10:48

Tgt Ion: 94 Resp: 1912

Ion Ratio Lower Upper

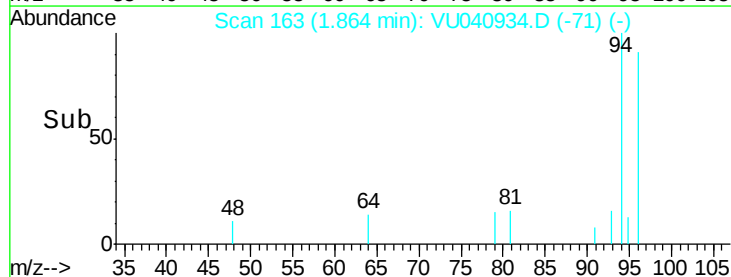
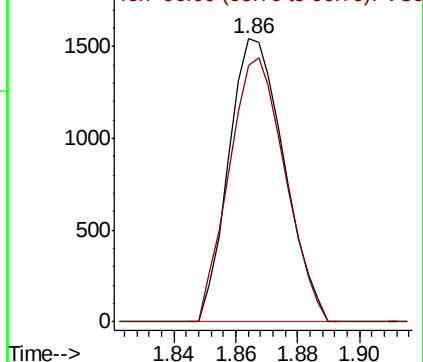
94 100

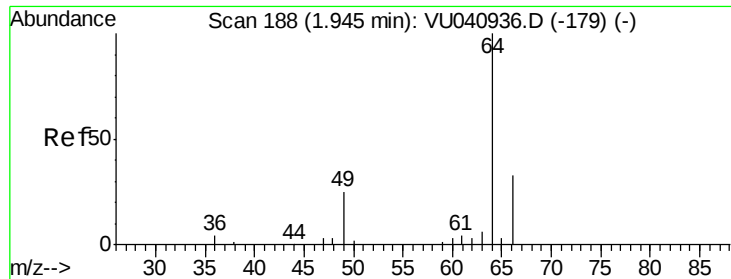
96 90.5 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.488 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

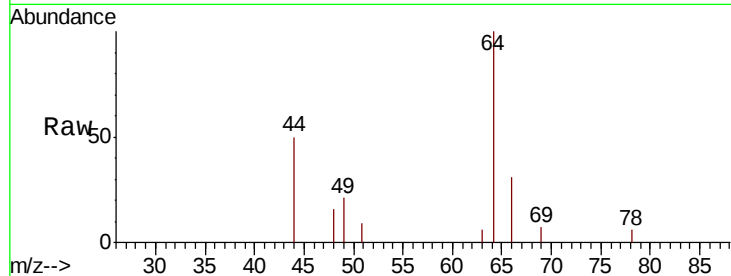
VSTD0.501

Tot Ion: 64 Resp: 2312

Ion Ratio Lower Upper

64 100

66 30.7 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU040934.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU040934.D (-179) (-)

1.94

1900

1500

1000

500

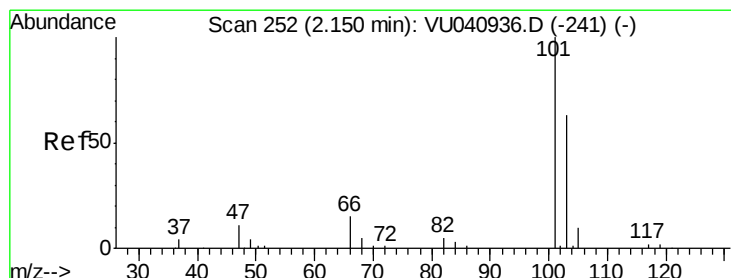
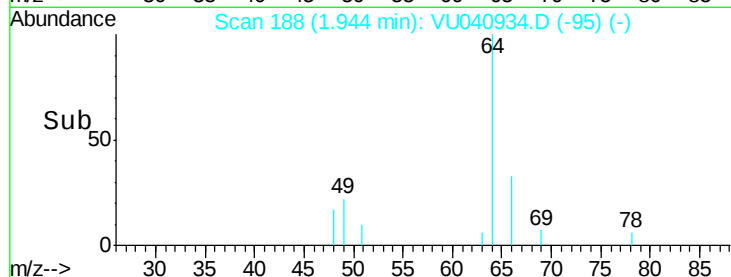
0

1.90

1.95

2.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.462 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040934.D

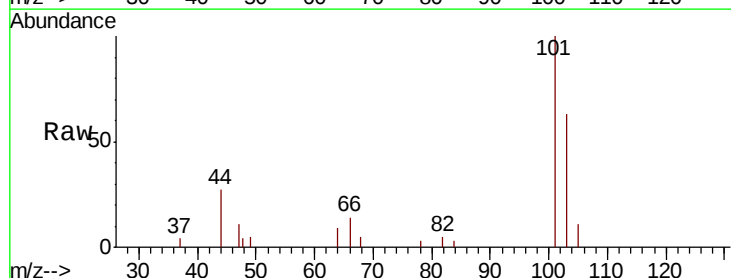
Acq: 26 Oct 2020 10:48

Tgt Ion: 101 Resp: 4515

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU040934.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU040934.D (-241) (-)

2.15

3000

2000

1000

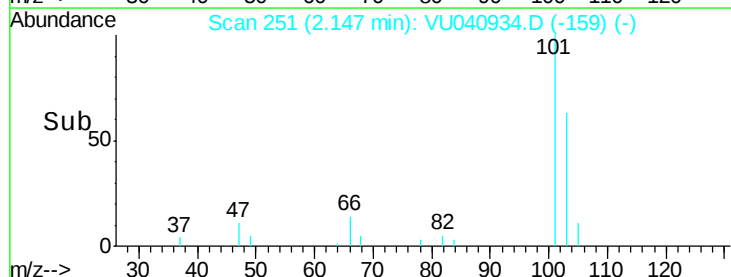
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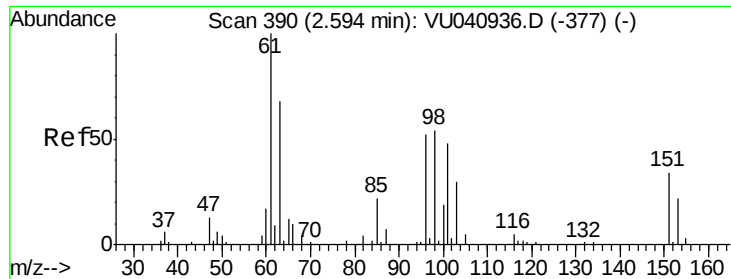
2.10

2.15

2.20

Time-->





#10

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

Concen: 0.461 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

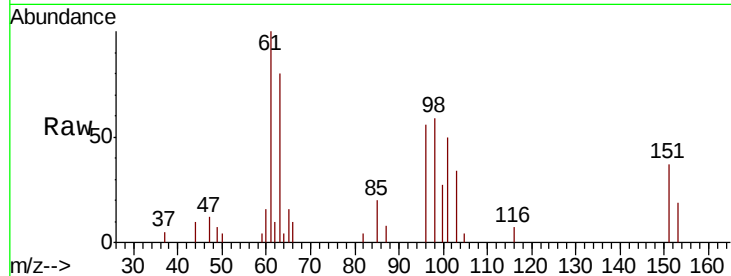
Tot Ion:101 Resp: 2620

Ion Ratio Lower Upper

101 100

85 40.5 35.0 52.4

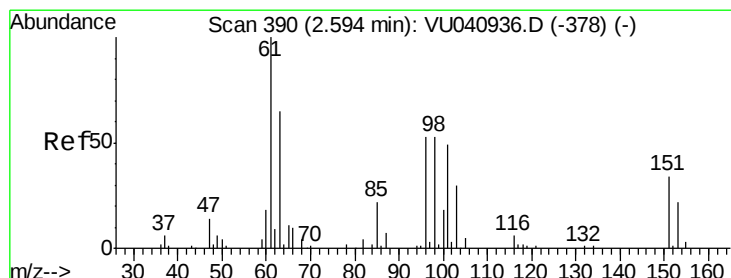
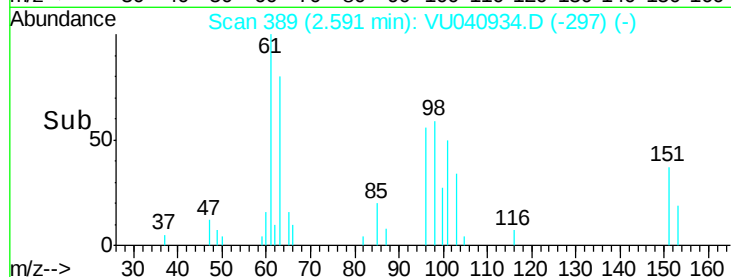
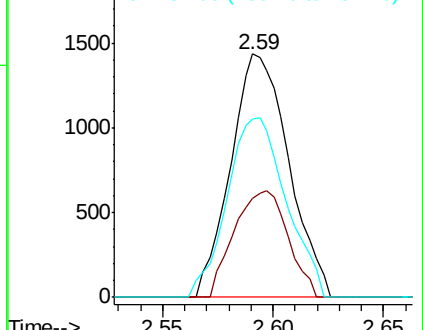
151 75.1 55.3 82.9



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: 0.485 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

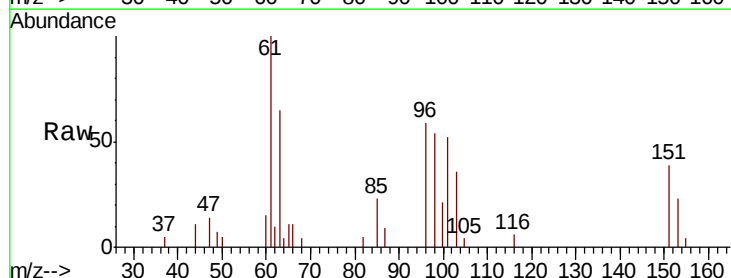
Tgt Ion: 96 Resp: 2576

Ion Ratio Lower Upper

96 100

61 168.7 134.3 249.5

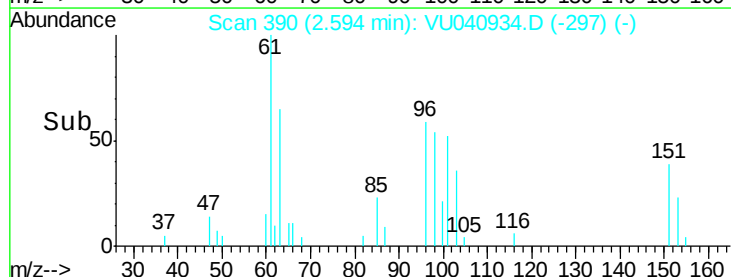
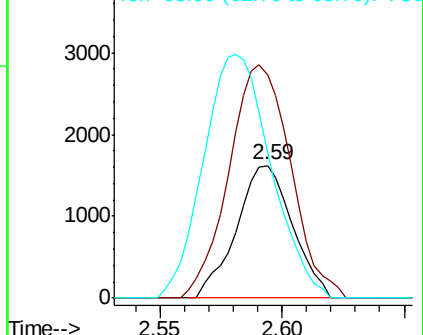
63 109.3 95.0 176.4

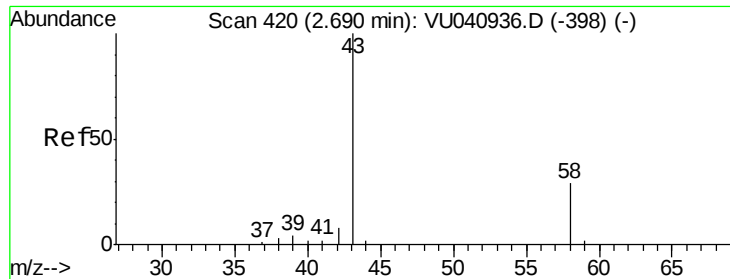


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.930 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

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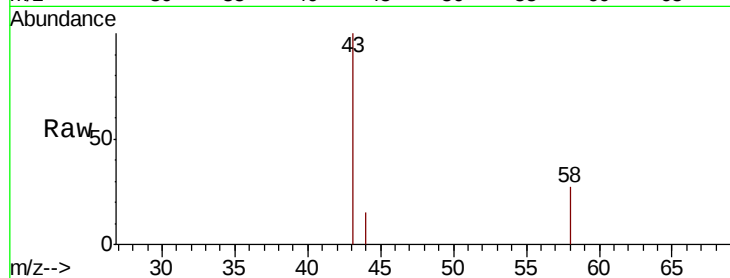
VSTD0.501

Tot Ion: 43 Resp: 2515

Ion Ratio Lower Upper

43 100

58 18.1 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU040934.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU040934.D (-398) (-)

2.67

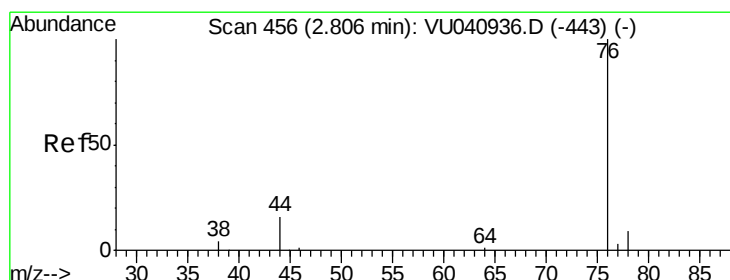
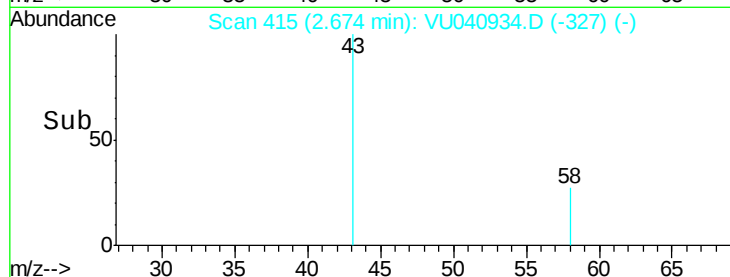
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 0.440 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040934.D

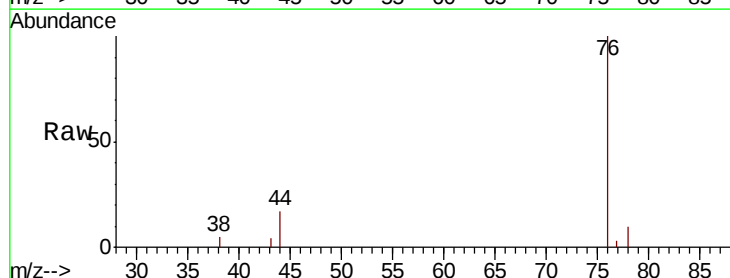
Acq: 26 Oct 2020 10:48

Tgt Ion: 76 Resp: 8233

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040934.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040934.D (-443) (-)

2.81

5000

4000

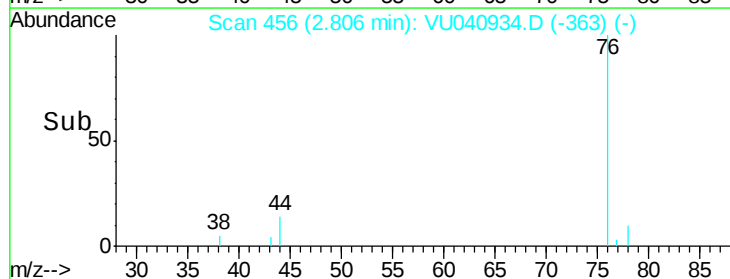
3000

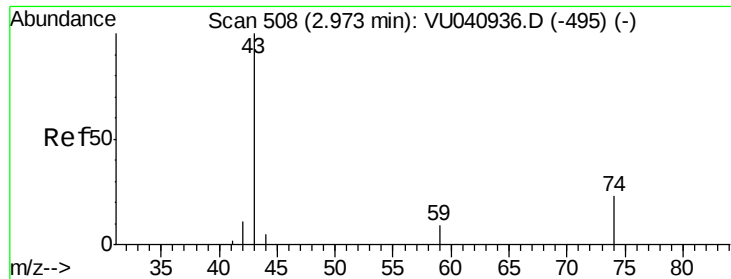
2000

1000

0

Time-->





#15

Methyl Acetate

Concen: 0.483 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

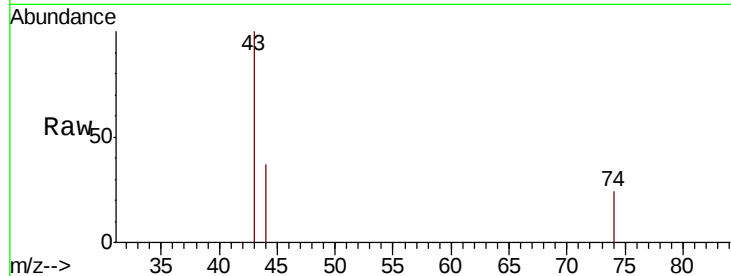
VSTD0.501

Tot Ion: 43 Resp: 1542

Ion Ratio Lower Upper

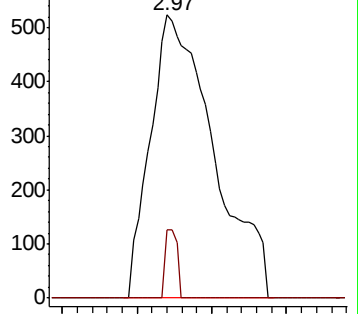
43 100

74 4.4 18.3 27.5#

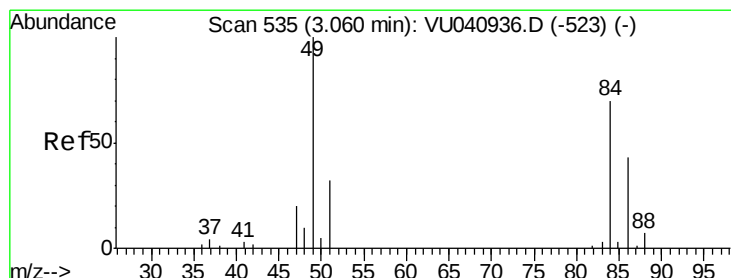
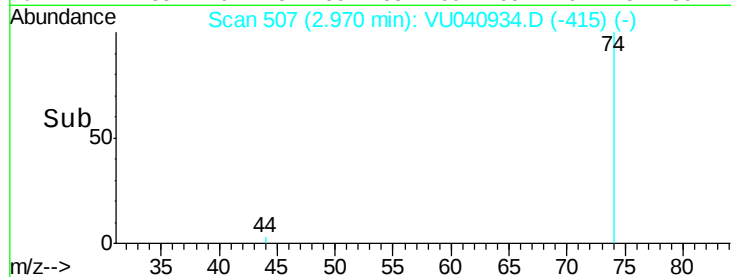


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



Time-->



#16

Methylene chloride

Concen: 0.470 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

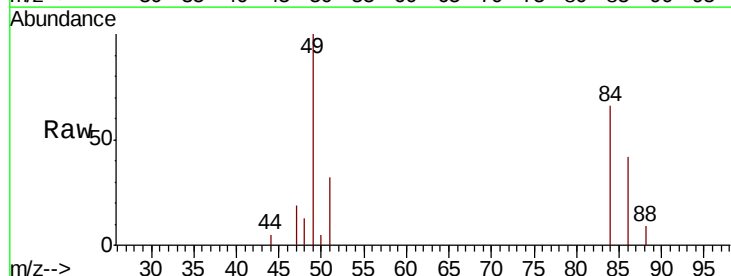
Tgt Ion: 84 Resp: 3074

Ion Ratio Lower Upper

84 100

86 63.0 42.8 79.6

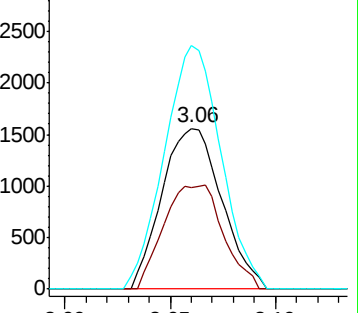
49 151.8 99.5 184.7



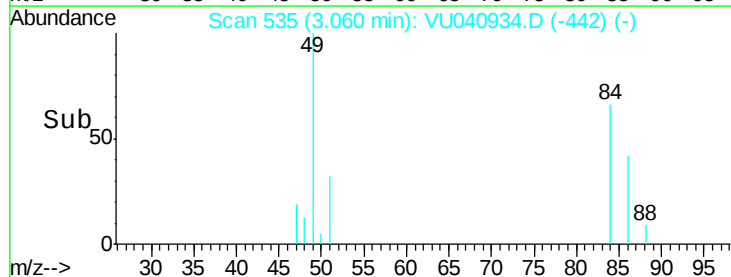
Abundance Ion 84.05 (83.75 to 84.75): VU0

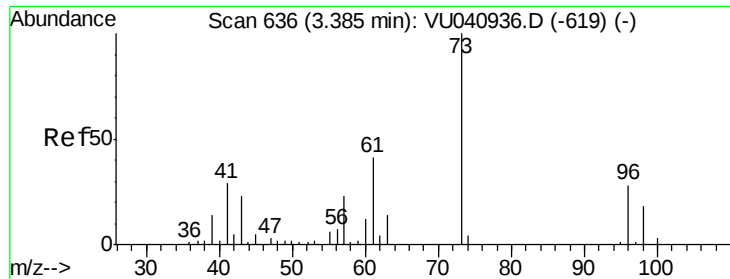
Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



Time-->

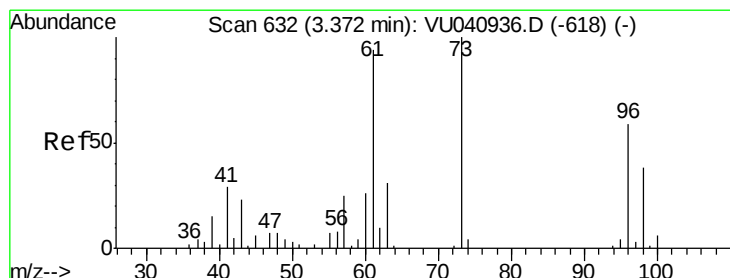
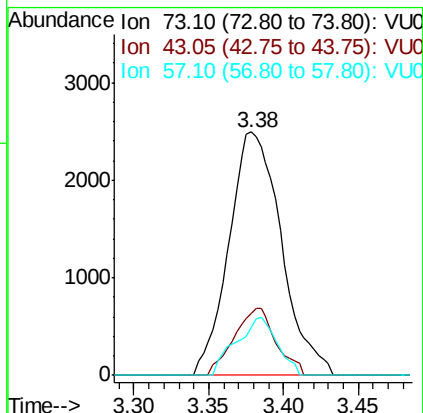
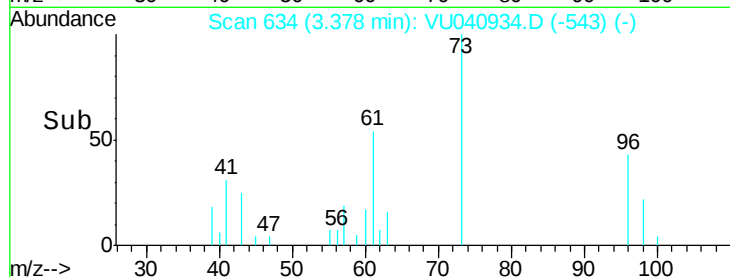
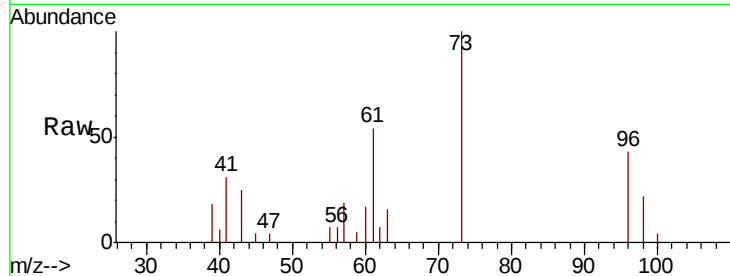




#17
Methvl tert-butvl Ether
Concen: 0.464 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.01 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

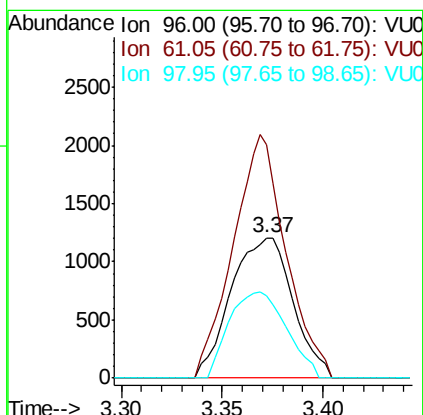
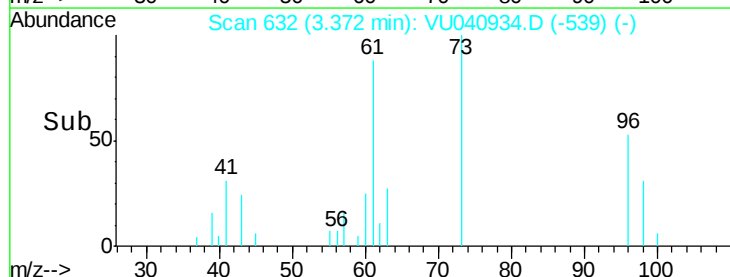
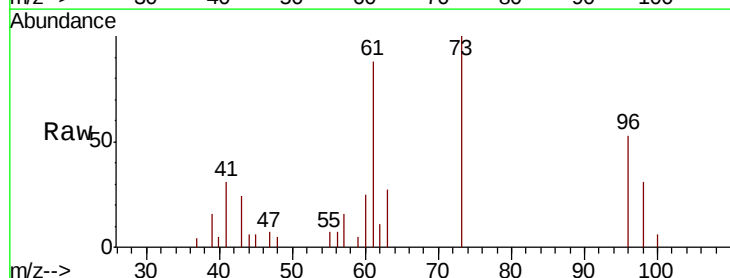
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

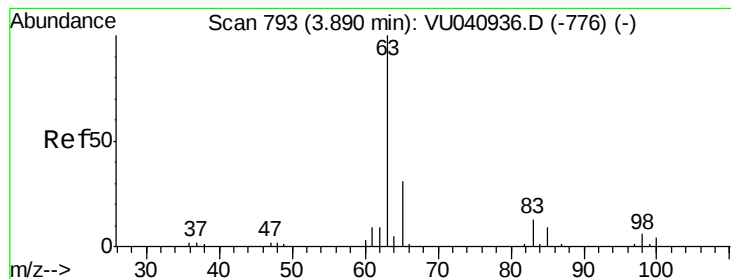
Tot Ion: 73 Resp: 6072
Ion Ratio Lower Upper
73 100
43 22.1 18.5 27.7
57 18.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 0.470 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Tgt Ion: 96 Resp: 2578
Ion Ratio Lower Upper
96 100
61 166.1 110.9 205.9
98 59.2 45.4 84.2





#19

1,1-Dichloroethane

Concen: 0.460 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

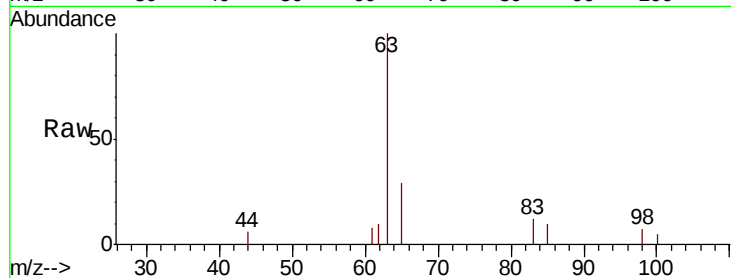
Tot Ion: 63 Resp: 5070

Ion Ratio Lower Upper

63 100

65 29.2 21.3 39.6

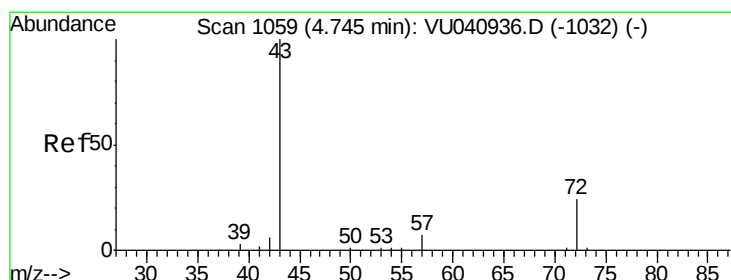
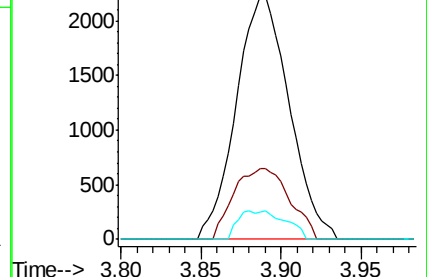
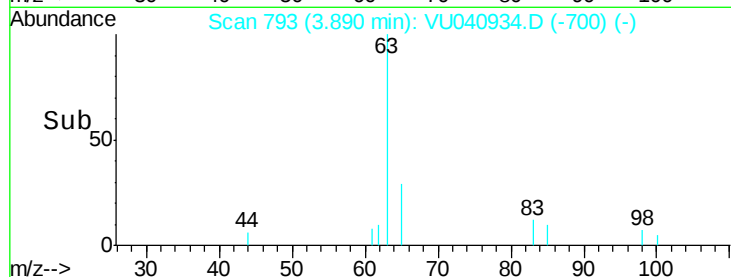
83 11.6 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU040934.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040934.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040934.D (-700) (-)



#21

2-Butanone

Concen: 4.728 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU040934.D

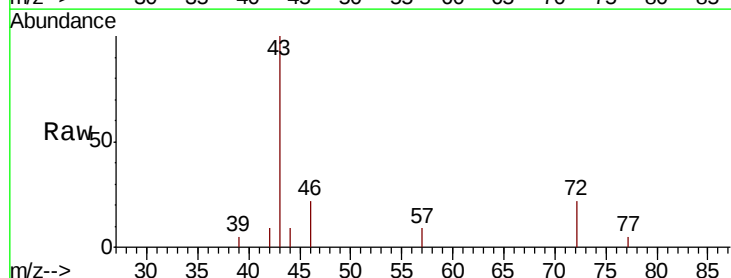
Acq: 26 Oct 2020 10:48

Tgt Ion: 43 Resp: 9236

Ion Ratio Lower Upper

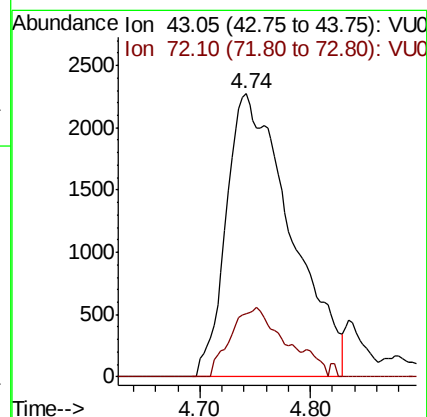
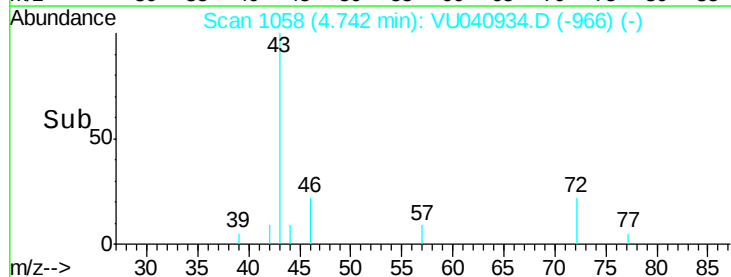
43 100

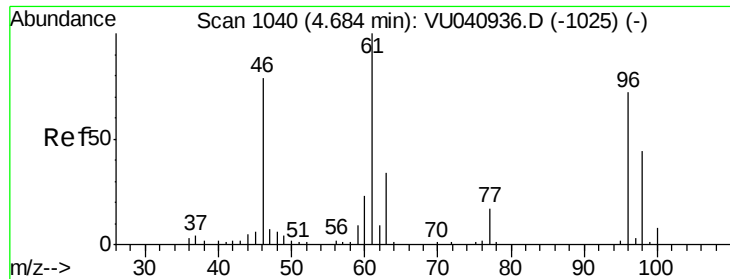
72 19.1 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU040934.D (-966) (-)

Ion 72.10 (71.80 to 72.80): VU040934.D (-966) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.395 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

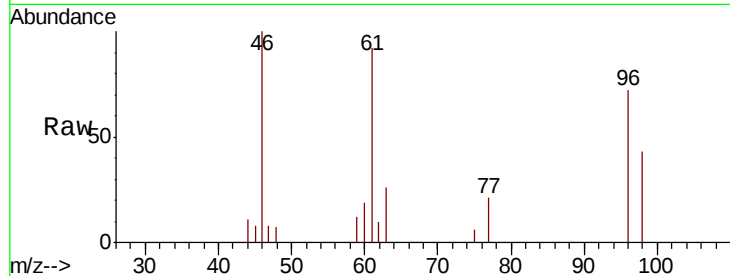
Tot Ion: 96 Resp: 2369

Ion Ratio Lower Upper

96 100

61 127.4 97.2 180.4

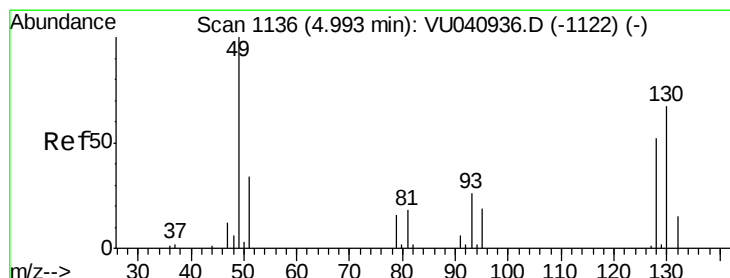
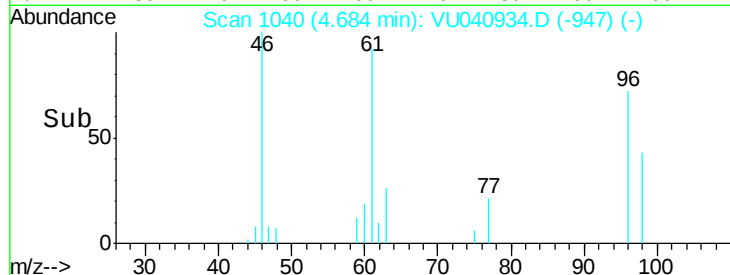
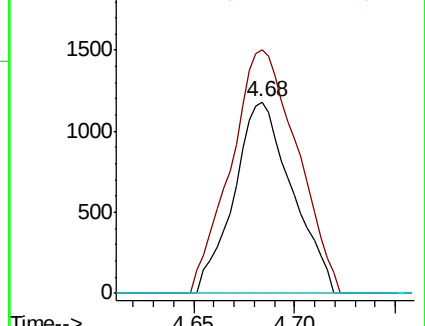
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040934.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040934.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU040934.D (-1025) (-)



#23

Bromochloromethane

Concen: 0.378 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Tgt Ion: 128 Resp: 1019

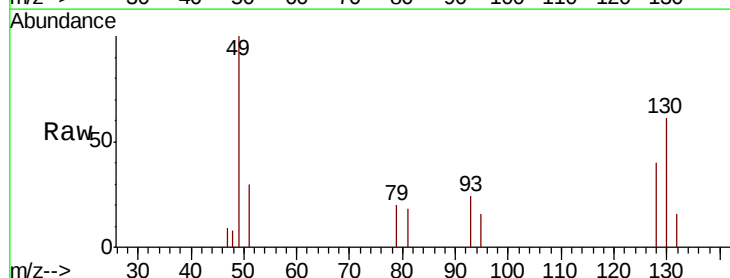
Ion Ratio Lower Upper

128 100

49 252.9 135.0 250.8#

130 153.9 89.9 167.0

51 74.7 51.9 77.9

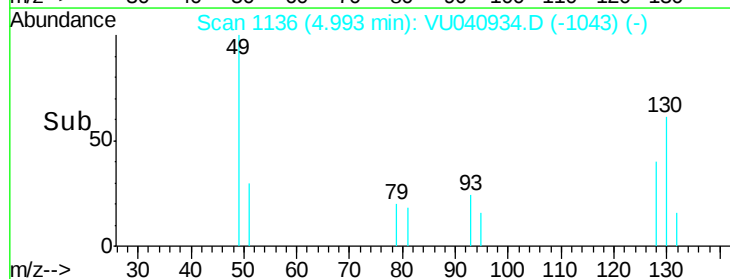
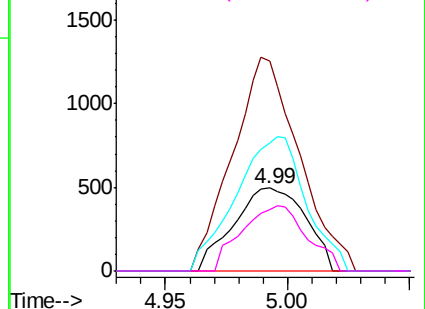


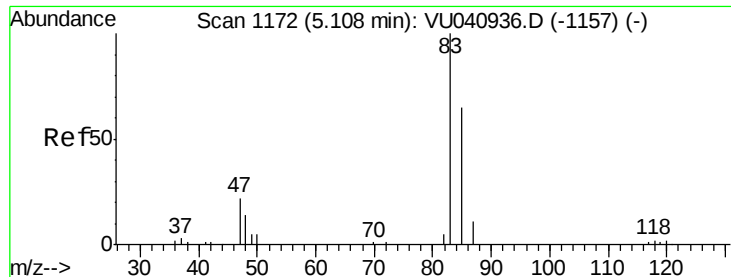
Abundance Ion 127.90 (127.60 to 128.60): VU040934.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040934.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040934.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040934.D (-1043) (-)





#25

Chloroform

Concen: 0.439 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

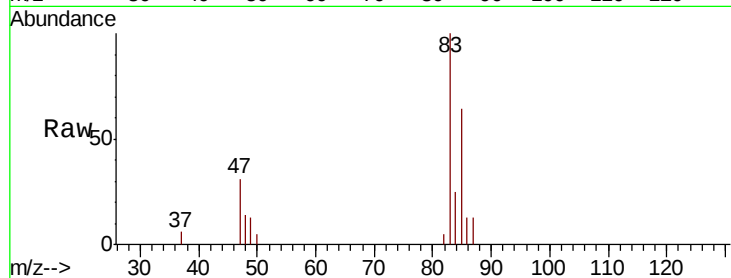
VSTD0.501

Tot Ion: 83 Resp: 4935

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

2500

2000

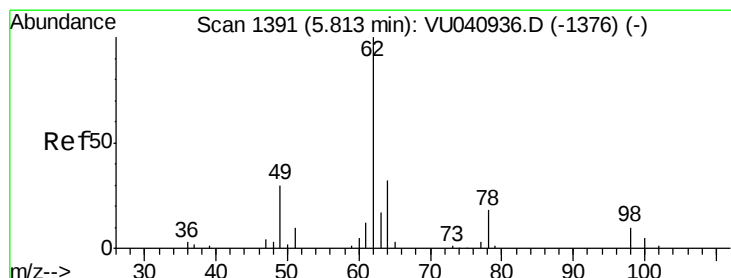
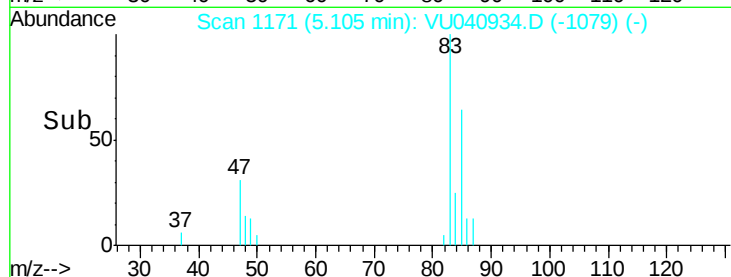
1500

1000

500

0

Time-->



#27

1,2-Dichloroethane

Concen: 0.482 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VU040934.D

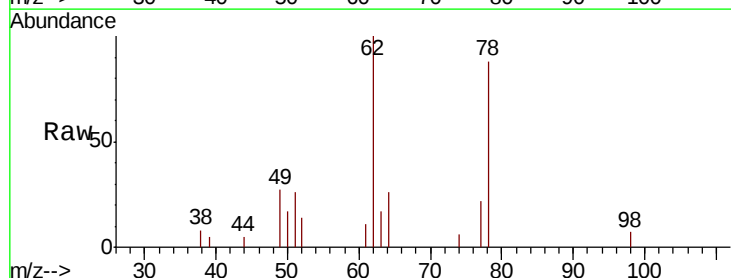
Acq: 26 Oct 2020 10:48

Tgt Ion: 62 Resp: 3743

Ion Ratio Lower Upper

62 100

98 7.4 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.81

2000

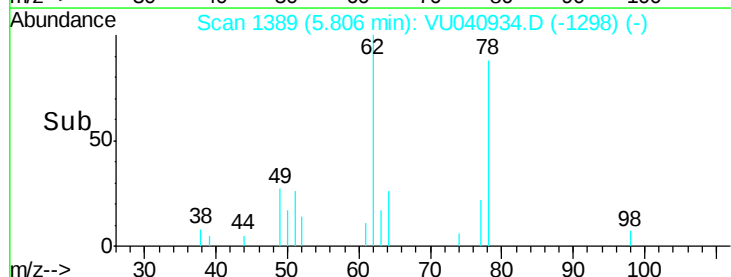
1500

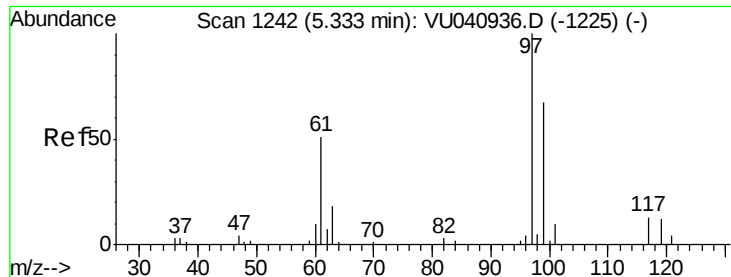
1000

500

0

Time-->

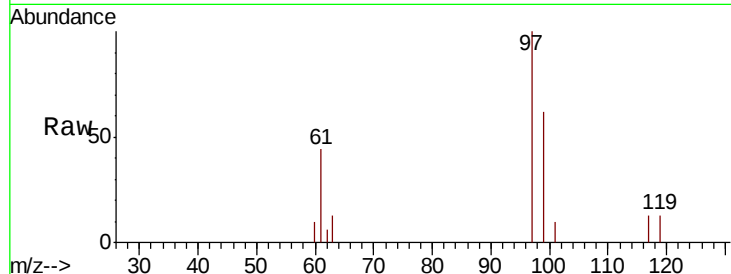




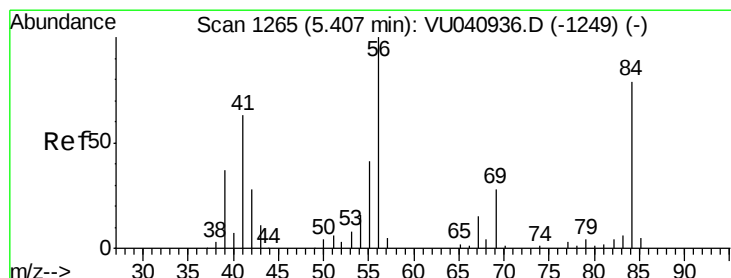
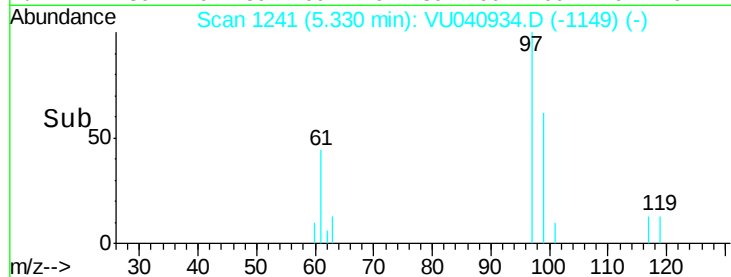
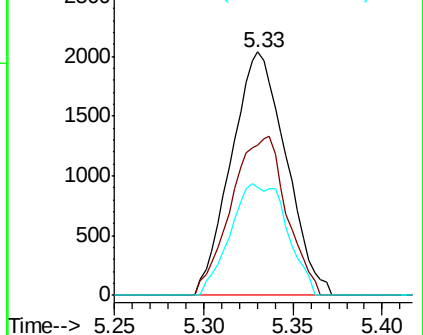
#29
 1,1,1-Trichloroethane
 Concen: 0.463 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 97 Resp: 4354
 Ion Ratio Lower Upper
 97 100
 99 65.8 53.4 80.0
 61 47.4 41.6 62.4

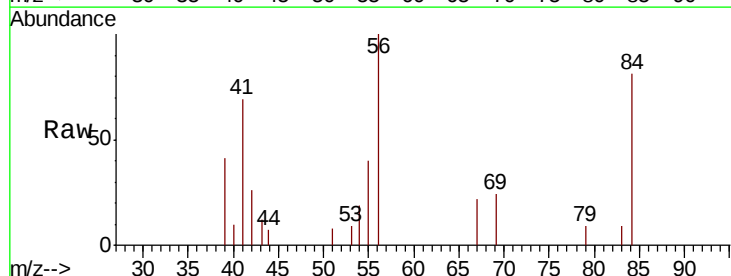


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

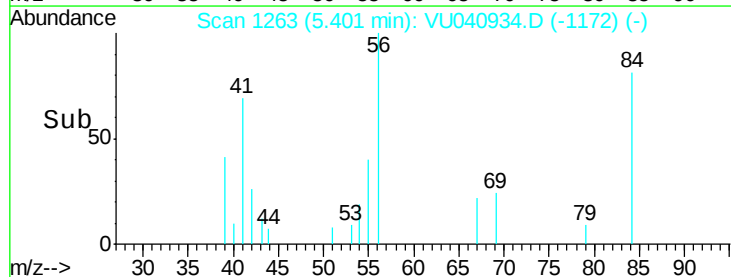
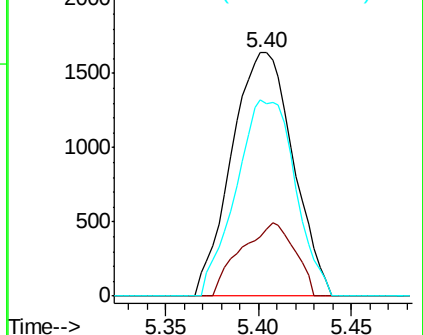


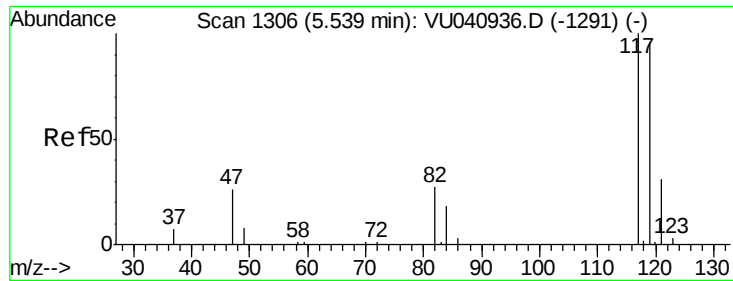
#30
 Cyclohexane
 Concen: 0.401 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion: 56 Resp: 3779
 Ion Ratio Lower Upper
 56 100
 69 26.4 22.8 34.2
 84 77.5 63.6 95.4



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

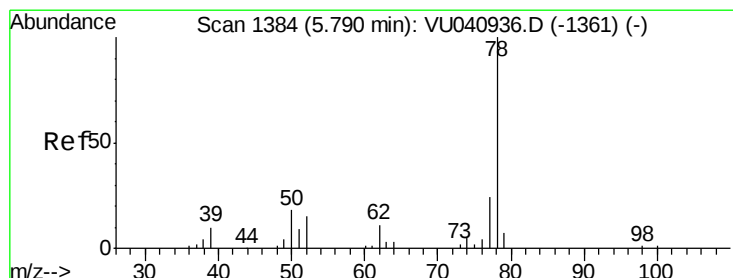
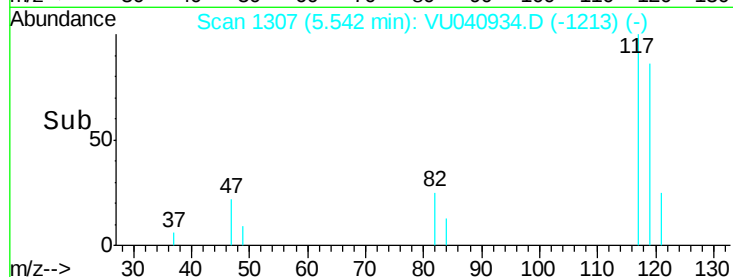
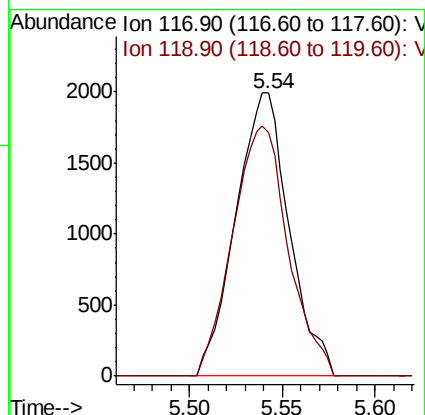
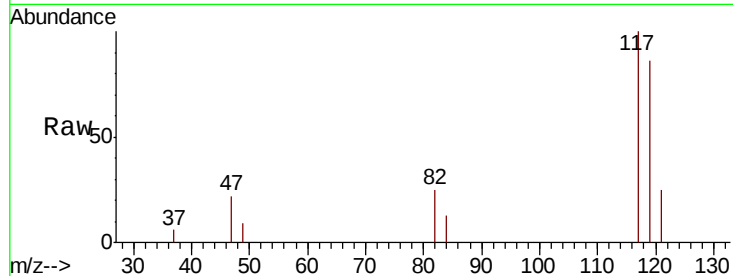




#31
Carbon tetrachloride
Concen: 0.480 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

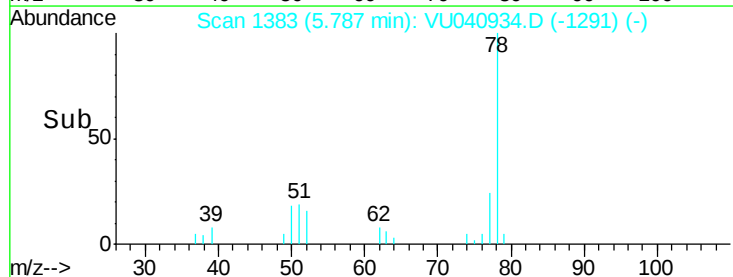
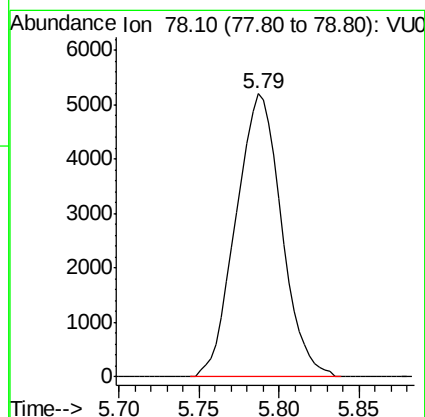
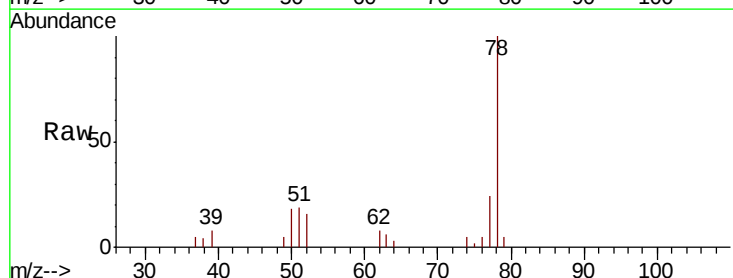
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

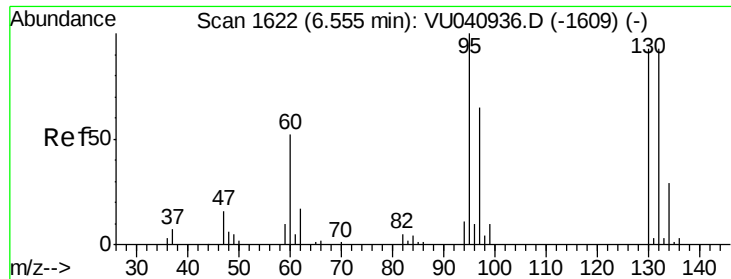
Tot Ion:117 Resp: 4008
Ion Ratio Lower Upper
117 100
119 91.4 76.1 114.1



#33
Benzene
Concen: 0.435 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Tgt Ion: 78 Resp: 10154

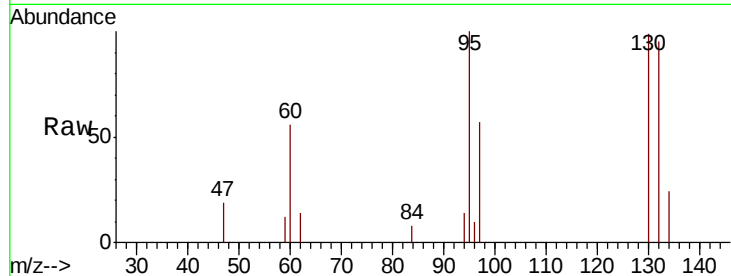




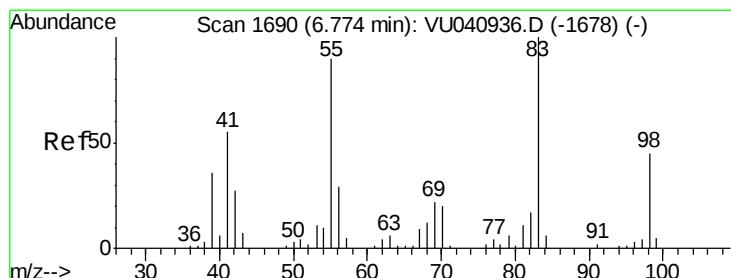
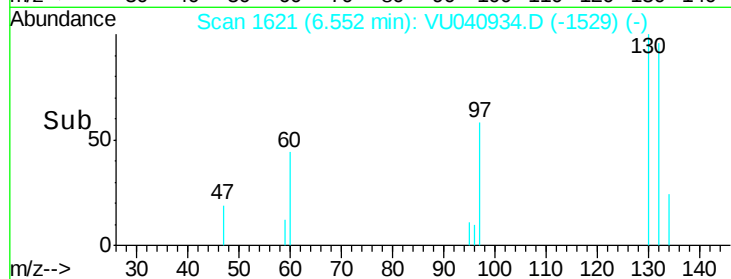
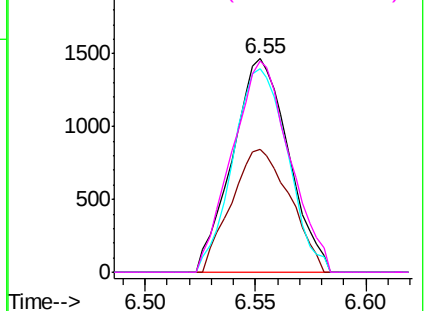
#34
 Trichloroethene
 Concen: 0.432 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion: 95 Resp: 2579
 Ion Ratio Lower Upper
 95 100
 97 57.4 45.6 84.6
 132 95.5 64.8 120.4
 130 99.1 64.8 120.4

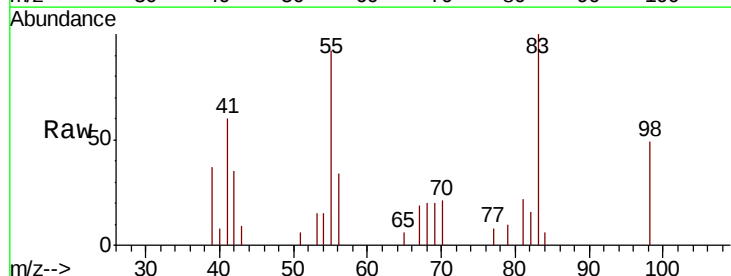


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

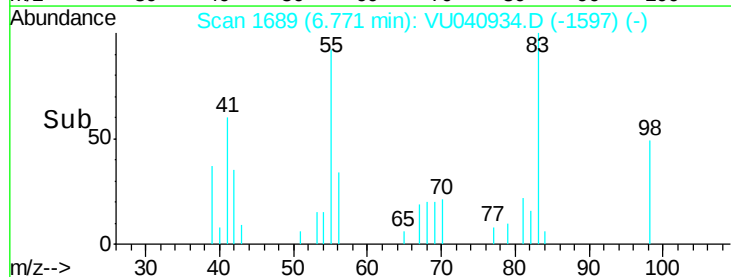
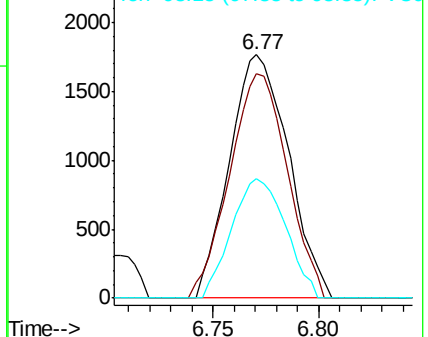


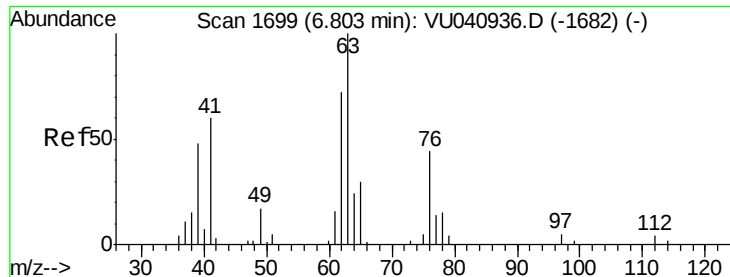
#35
 Methylcyclohexane
 Concen: 0.385 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion: 83 Resp: 3428
 Ion Ratio Lower Upper
 83 100
 55 90.2 72.0 108.0
 98 44.8 36.6 55.0



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: 0.443 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

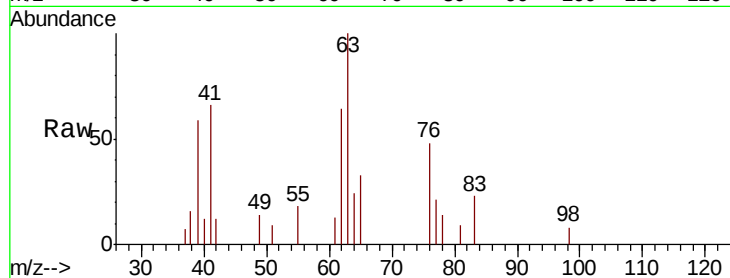
VSTD0.501

Tot Ion: 63 Resp: 2802

Ion Ratio Lower Upper

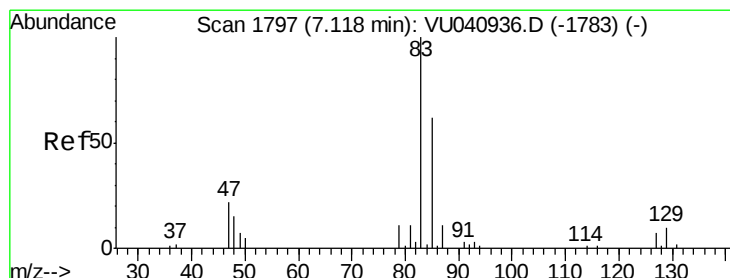
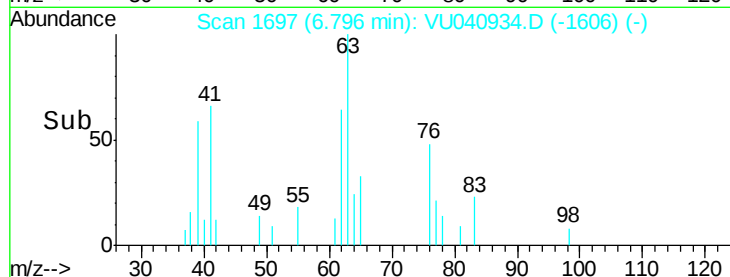
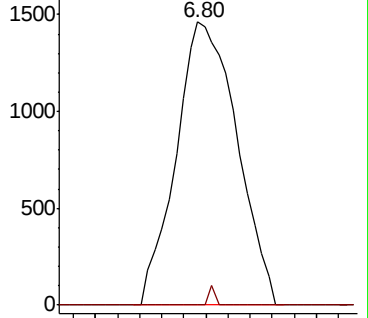
63 100

112 0.7 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU040936.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040936.D (-1682) (-)



#38

Bromodichloromethane

Concen: 0.452 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

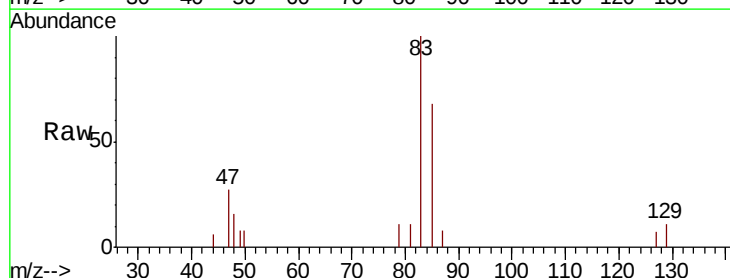
Tgt Ion: 83 Resp: 3653

Ion Ratio Lower Upper

83 100

85 68.3 43.3 80.3

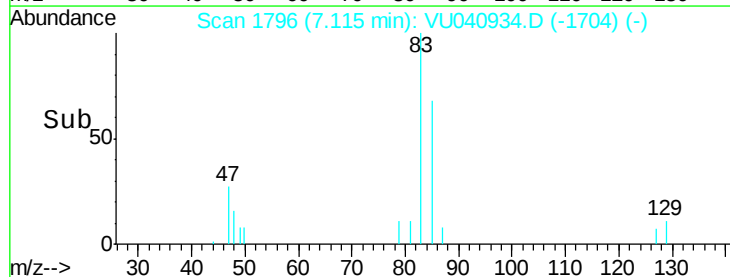
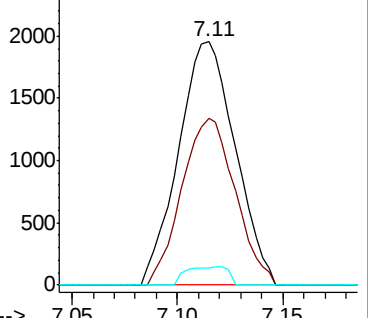
127 7.0 5.9 8.9

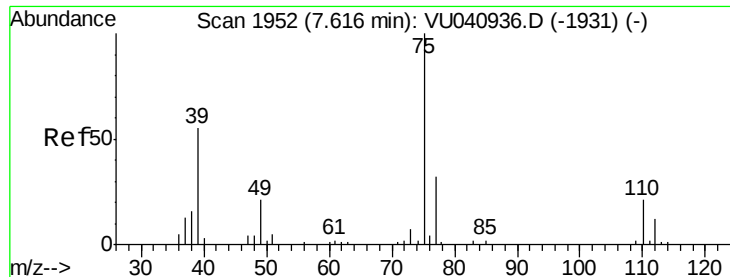


Abundance Ion 82.95 (82.65 to 83.65): VU040936.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU040936.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU040936.D (-1783) (-)

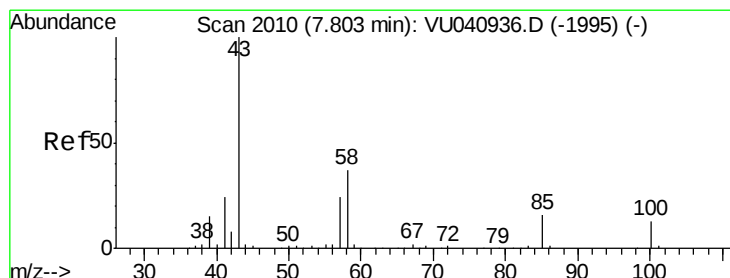
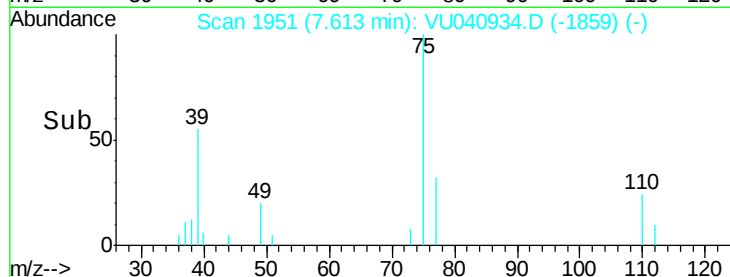
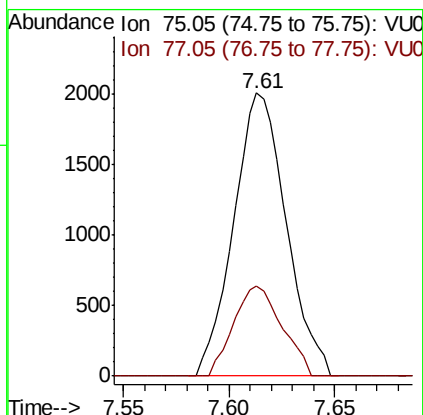
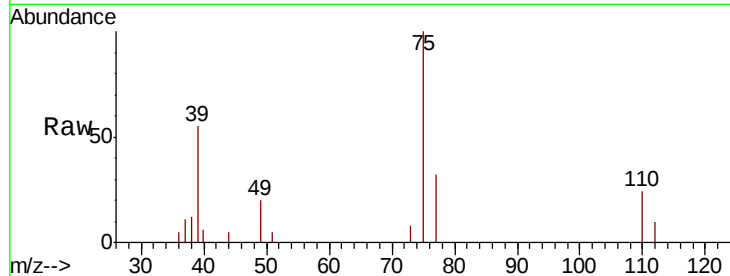




#39
 cis-1,3-Dichloropropene
 Concen: 0.409 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

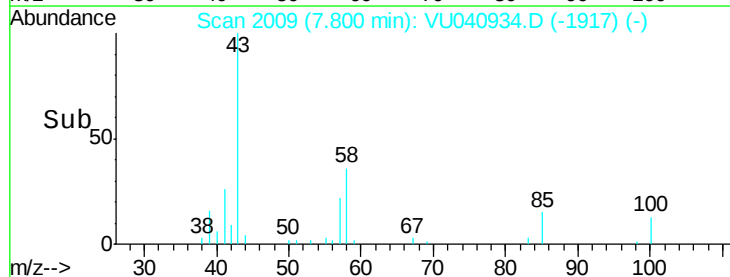
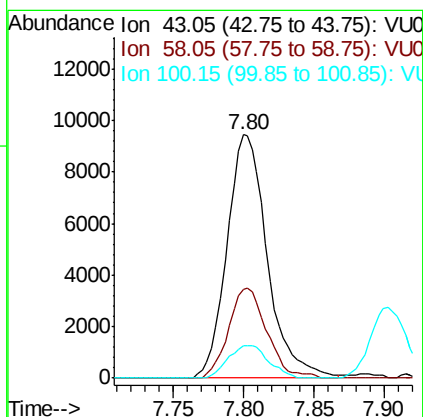
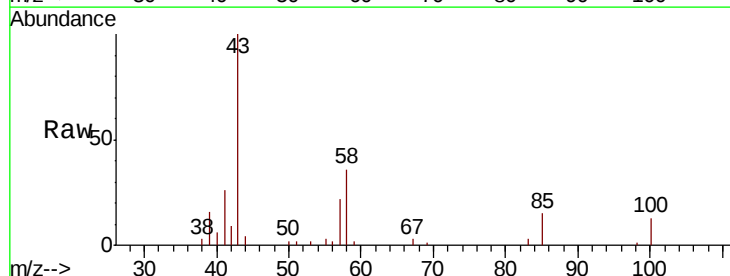
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

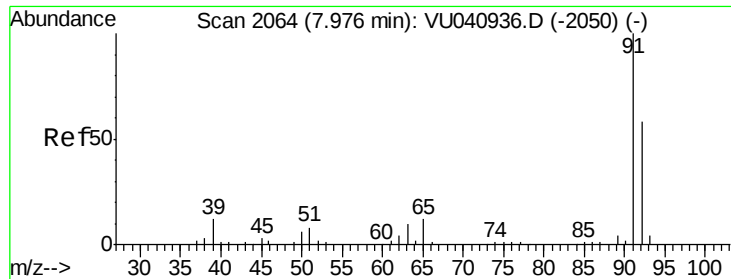
Tot Ion: 75 Resp: 3474
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 4.299 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion: 43 Resp: 18870
 Ion Ratio Lower Upper
 43 100
 58 35.0 29.8 44.6
 100 13.3 10.5 15.7





#42

Toluene

Concen: 0.403 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

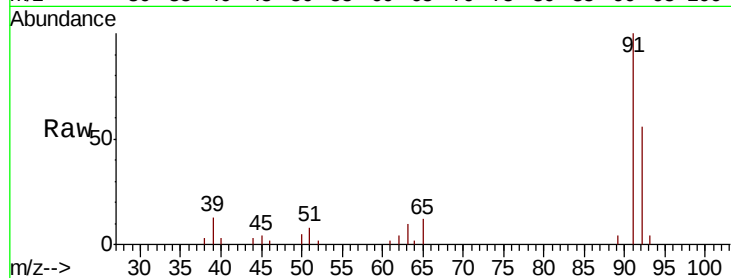
VSTD0.501

Tot Ion: 91 Resp: 9479

Ion Ratio Lower Upper

91 100

92 56.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

6000

5000

4000

3000

2000

1000

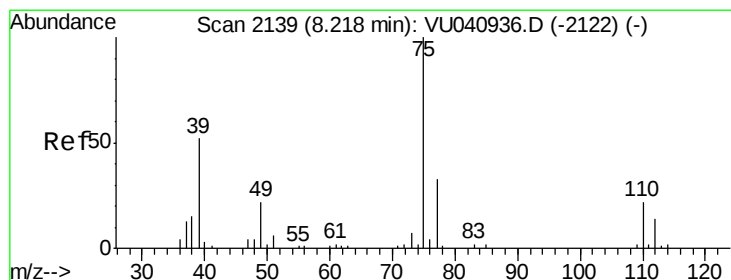
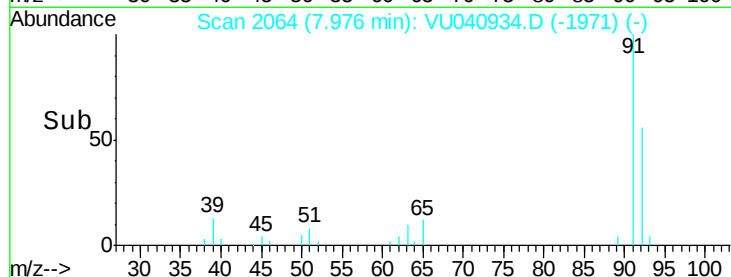
0

Time-->

7.90

7.95

8.00



#44

trans-1,3-Dichloropropene

Concen: 0.398 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040934.D

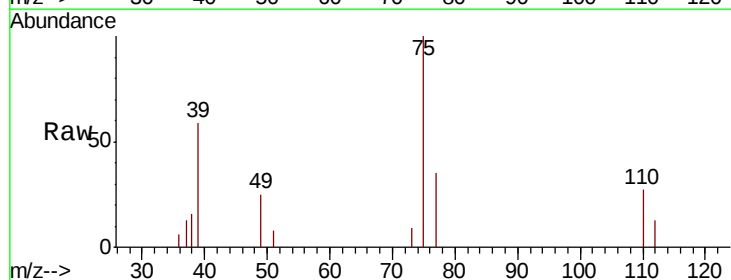
Acq: 26 Oct 2020 10:48

Tgt Ion: 75 Resp: 3079

Ion Ratio Lower Upper

75 100

77 34.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

2000

1500

1000

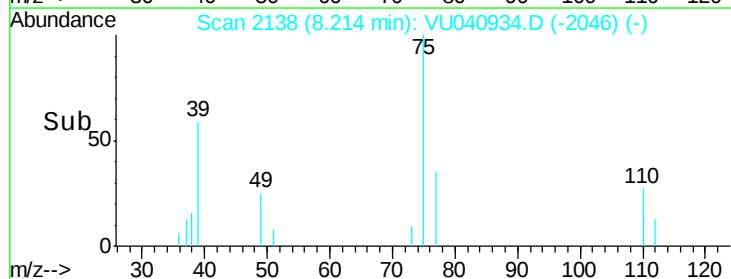
500

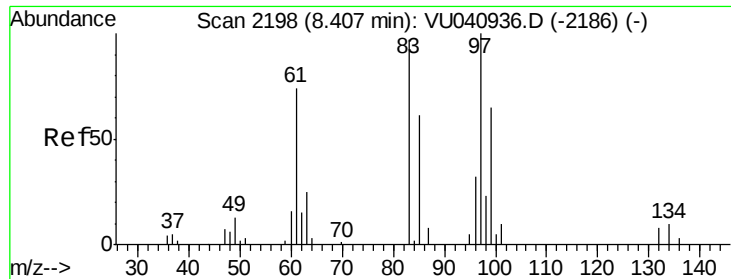
0

Time-->

8.20

8.25

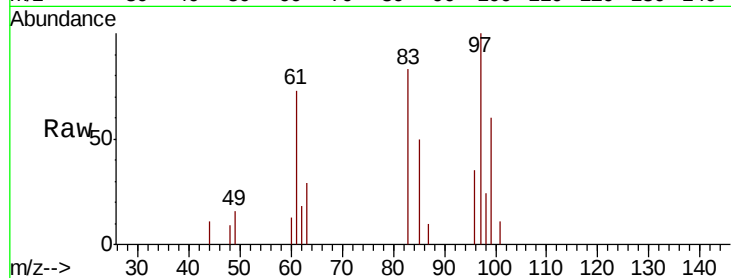




#45
1,1,2-Trichloroethane
Concen: 0.479 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:	97	Resp:	2084
Ion	Ratio	Lower	Upper
97	100		
99	60.4	45.8	85.2
83	83.1	67.9	126.1
85	49.8	42.8	79.6



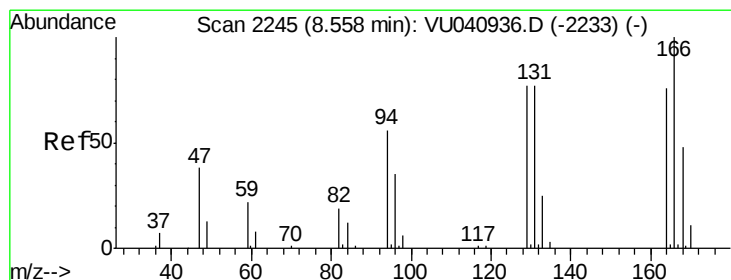
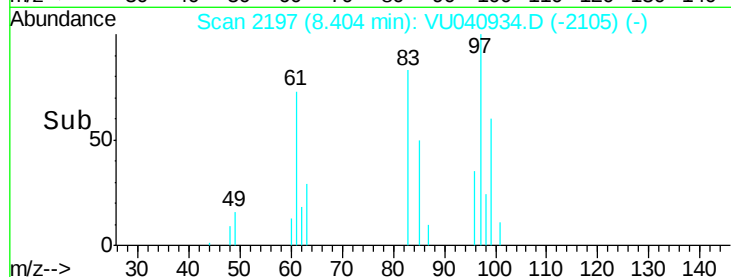
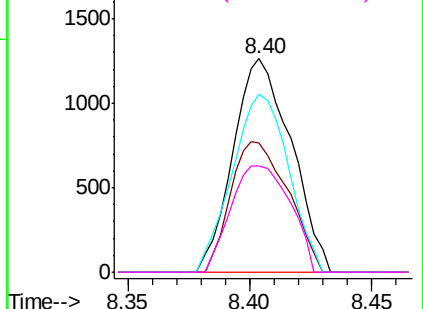
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

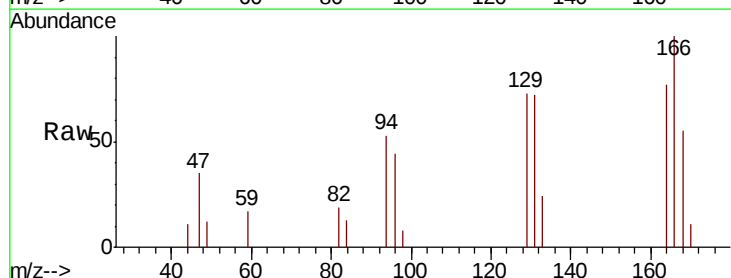
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 0.427 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Tgt Ion:	164	Resp:	1892
Ion	Ratio	Lower	Upper
164	100		
129	93.7	70.3	130.7
131	92.7	70.8	131.4
166	129.2	92.0	170.8



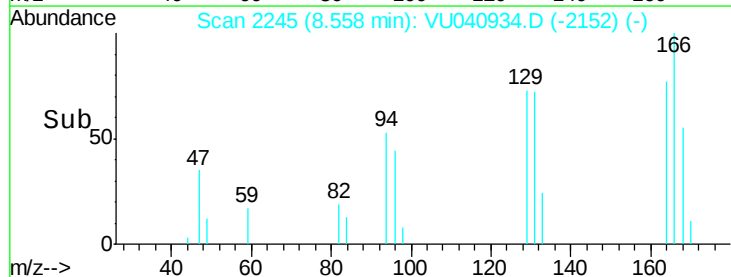
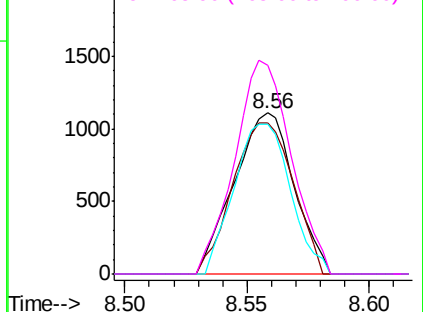
Abundance

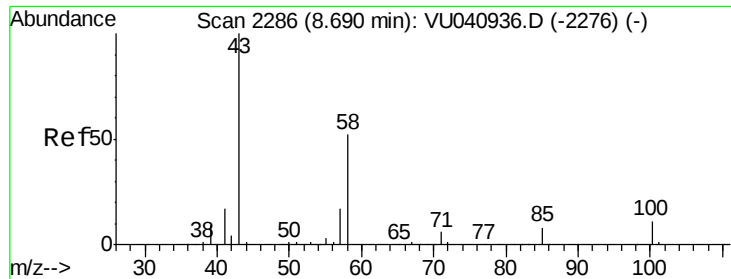
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

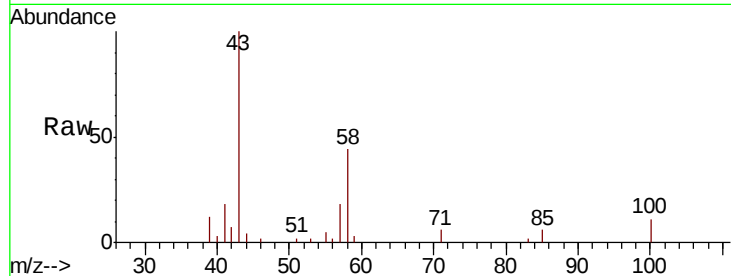




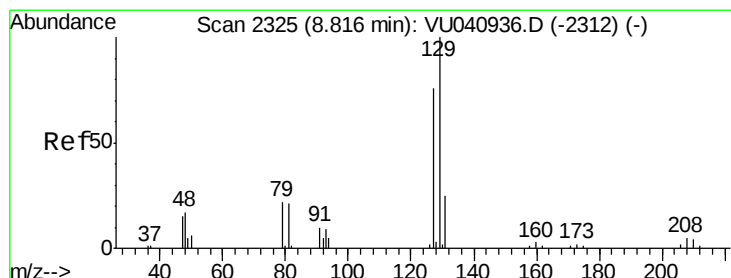
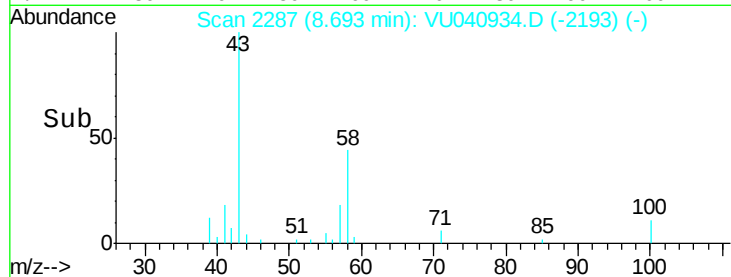
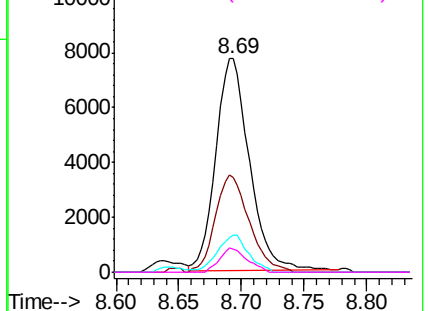
#48
2-Hexanone
Concen: 4.471 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion: 43 Resp: 14416
Ion Ratio Lower Upper
43 100
58 46.1 41.4 62.2
57 16.4 14.6 21.8
100 9.2 8.3 12.5

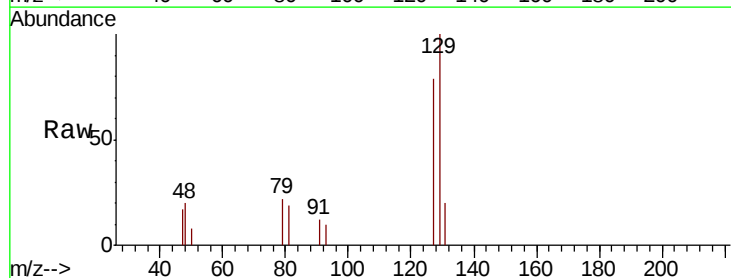


Abundance Ion 43.05 (42.75 to 43.75): VU040934.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040934.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040934.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040934.D (-2193) (-)

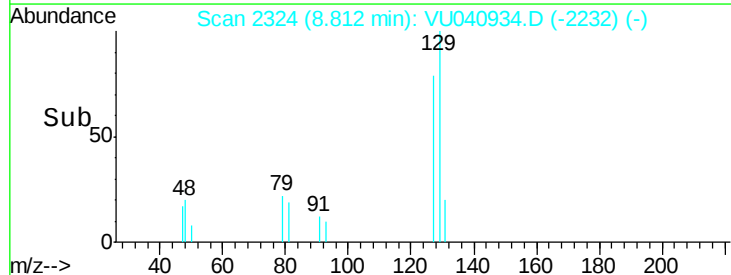
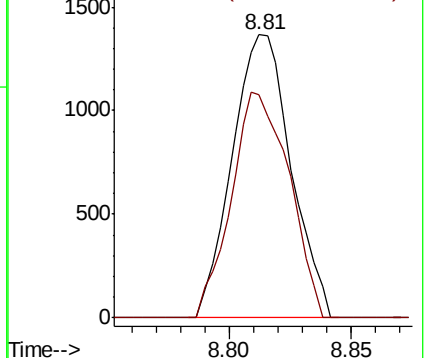


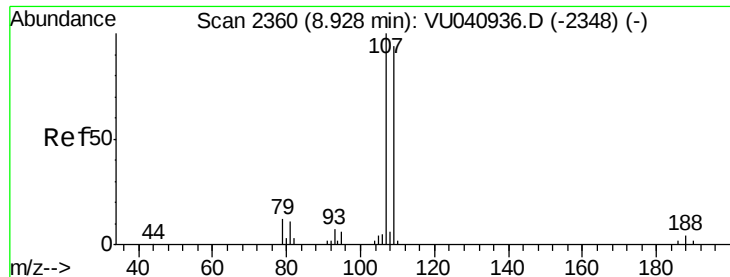
#49
Dibromochloromethane
Concen: 0.439 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Tgt Ion: 129 Resp: 2278
Ion Ratio Lower Upper
129 100
127 78.8 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU040934.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040934.D (-2232) (-)

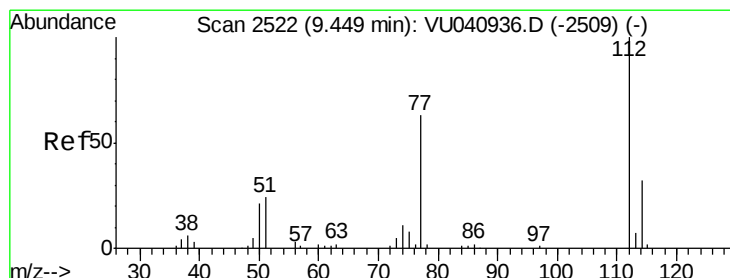
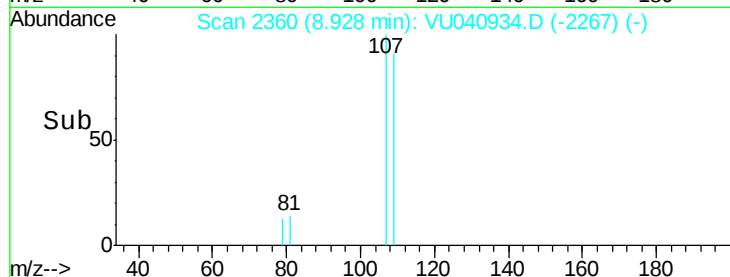
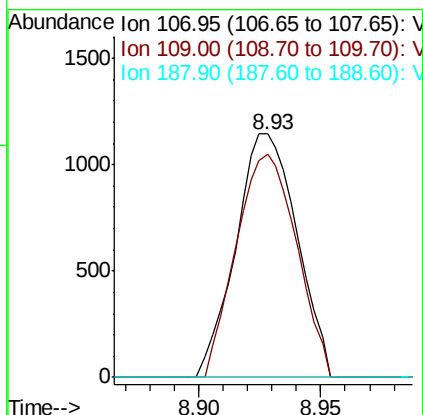
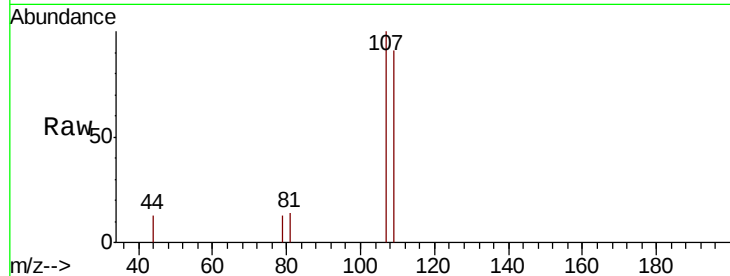




#50
 1,2-Dibromoethane
 Concen: 0.487 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

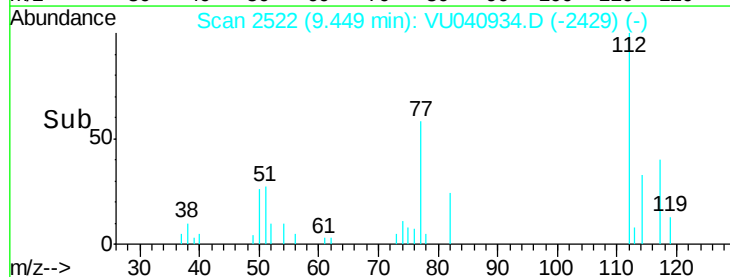
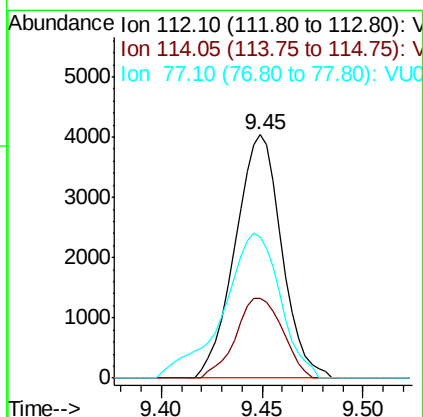
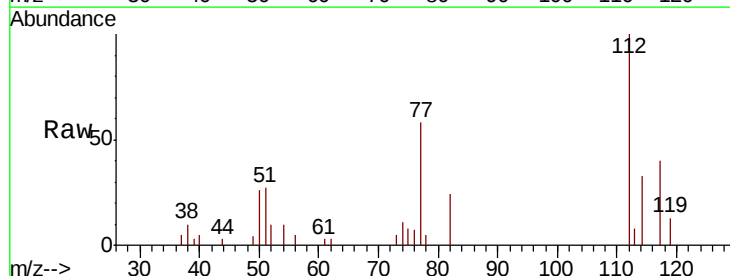
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

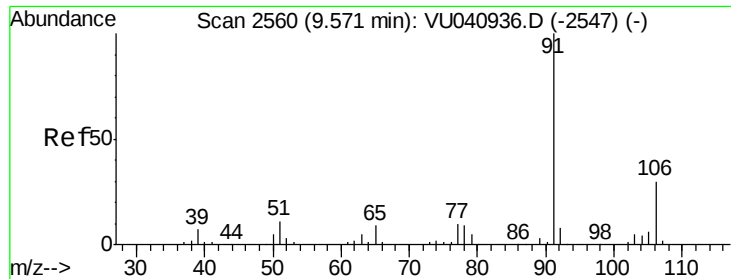
Tot Ion:107 Resp: 1988
 Ion Ratio Lower Upper
 107 100
 109 91.4 65.6 121.8
 188 0.0 2.9 4.3#



#51
 Chlorobenzene
 Concen: 0.430 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion:112 Resp: 6519
 Ion Ratio Lower Upper
 112 100
 114 33.0 22.4 41.6
 77 58.2 51.2 76.8





#52

Ethylbenzene

Concen: 0.383 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

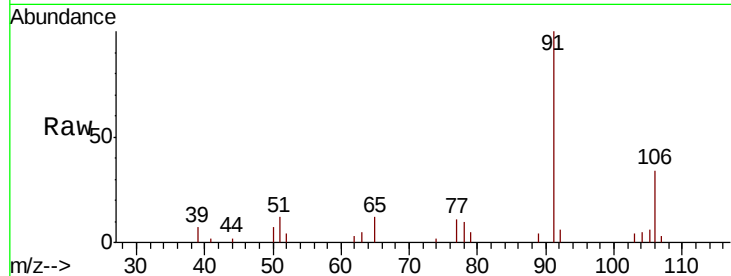
VSTD0.501

Tot Ion: 91 Resp: 9682

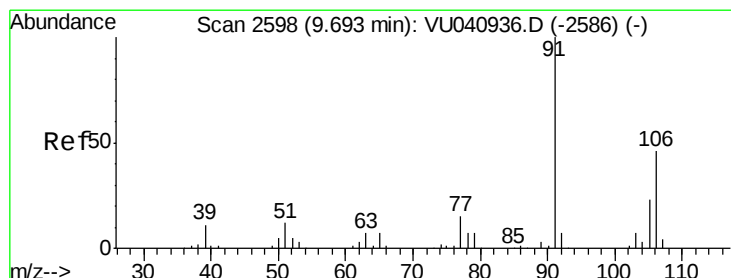
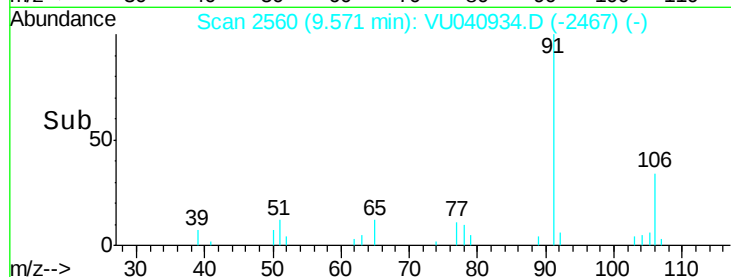
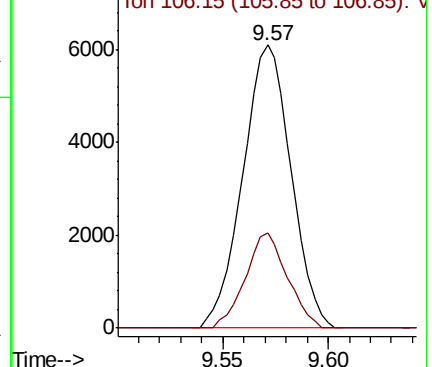
Ion Ratio Lower Upper

91 100

106 33.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040934.D (-2505) (-)



#53

m,p-Xylene

Concen: 0.382 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040934.D

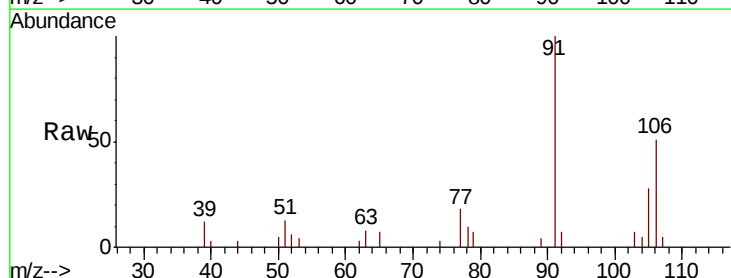
Acq: 26 Oct 2020 10:48

Tgt Ion: 106 Resp: 3466

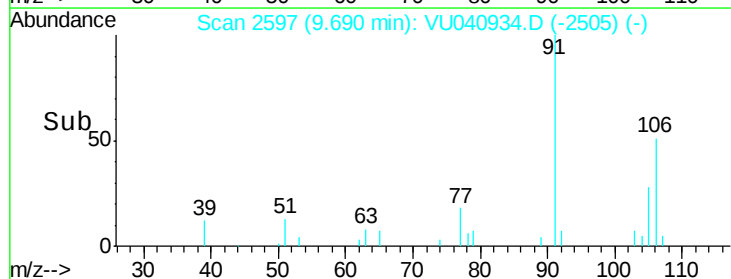
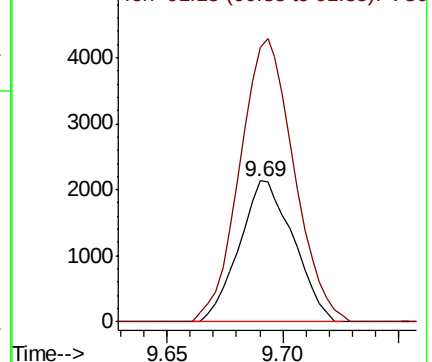
Ion Ratio Lower Upper

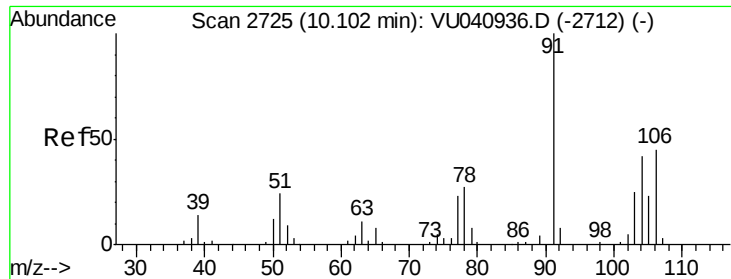
106 100

91 194.4 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040934.D (-2505) (-)

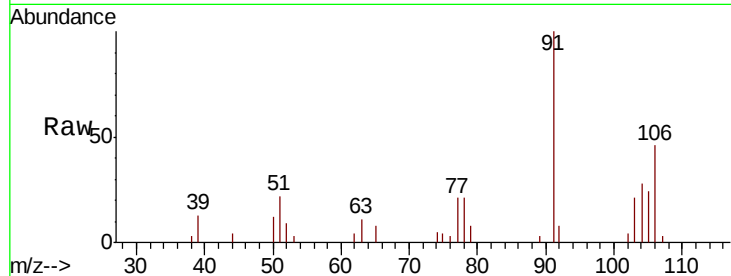




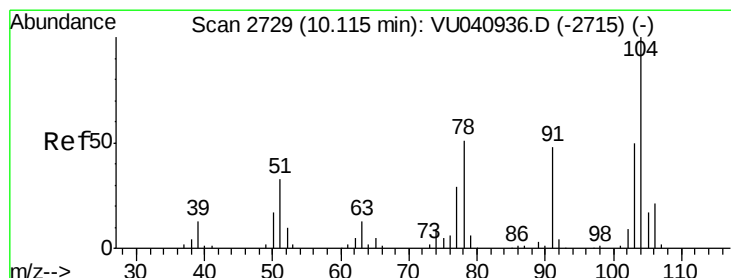
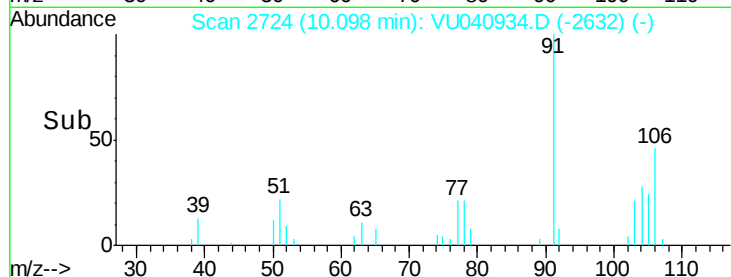
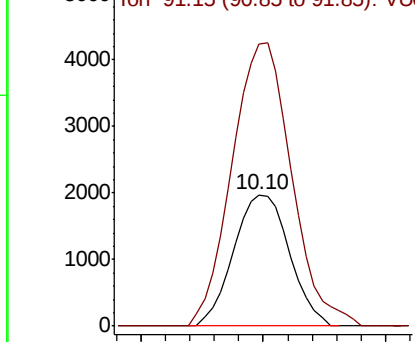
#54
o-Xylene
Concen: 0.363 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tot Ion:106 Resp: 3131
Ion Ratio Lower Upper
106 100
91 215.4 154.3 286.5

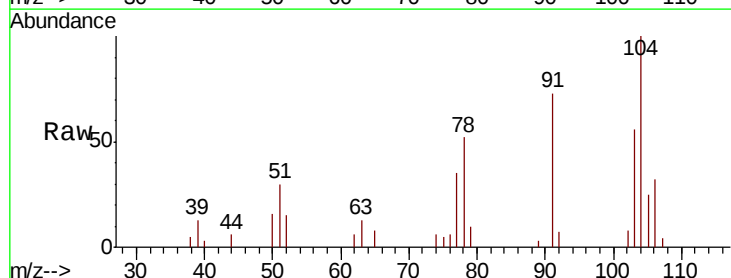


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

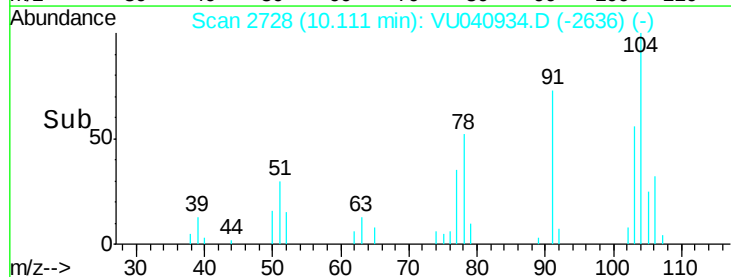
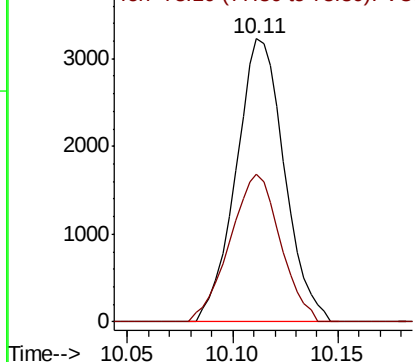


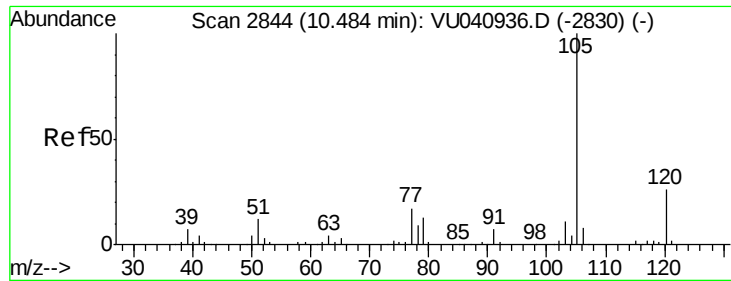
#55
Styrene
Concen: 0.342 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040934.D
Acq: 26 Oct 2020 10:48

Tgt Ion:104 Resp: 5146
Ion Ratio Lower Upper
104 100
78 52.0 35.5 65.9



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





#56

Isopropylbenzene

Concen: 0.365 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

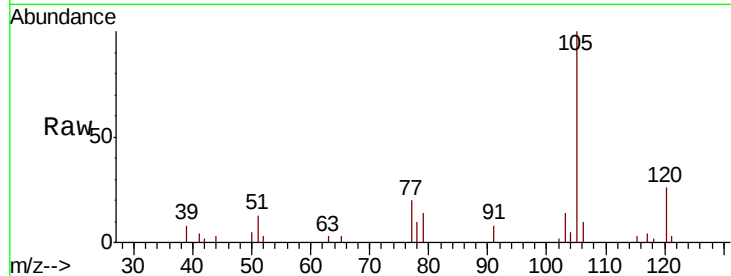
Tot Ion:105 Resp: 8402

Ion Ratio Lower Upper

105 100

120 24.8 20.7 31.1

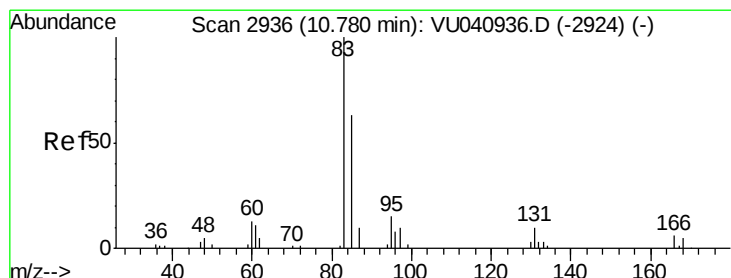
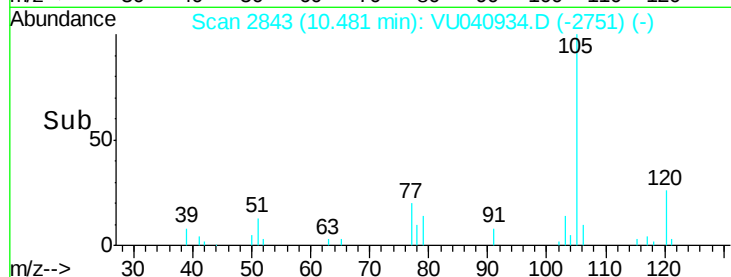
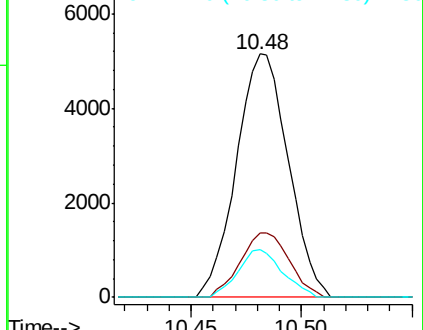
77 16.9 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.471 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

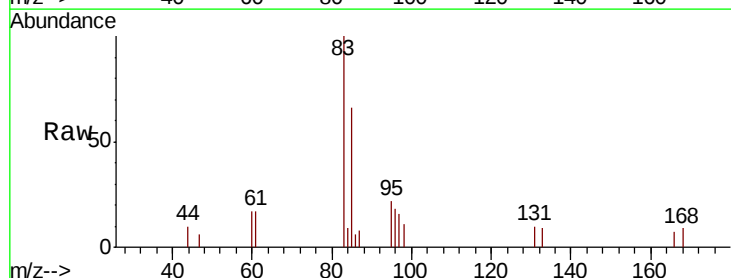
Tgt Ion: 83 Resp: 2642

Ion Ratio Lower Upper

83 100

85 66.2 44.4 82.4

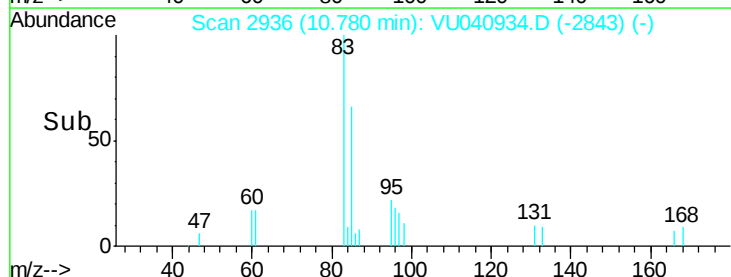
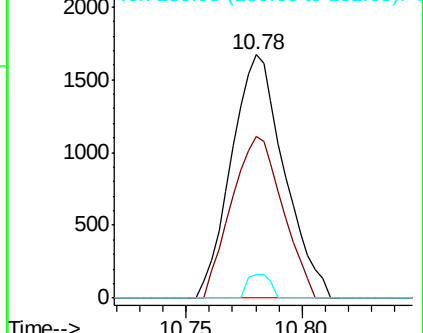
131 9.7 7.7 11.5

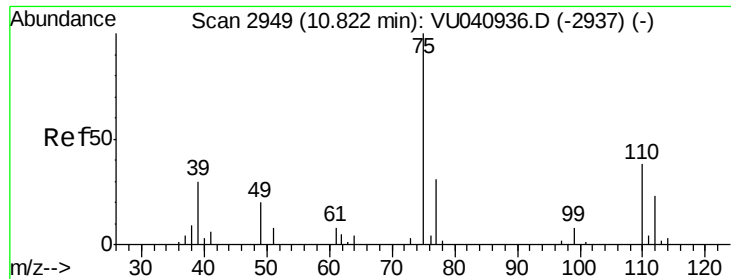


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

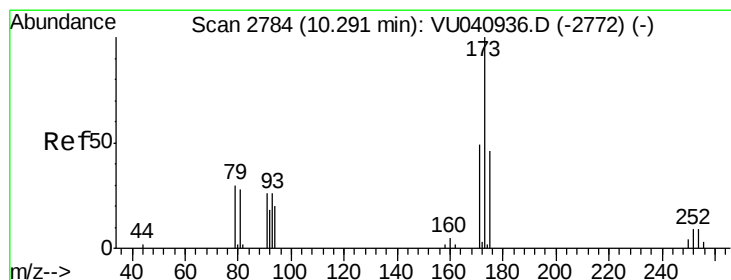
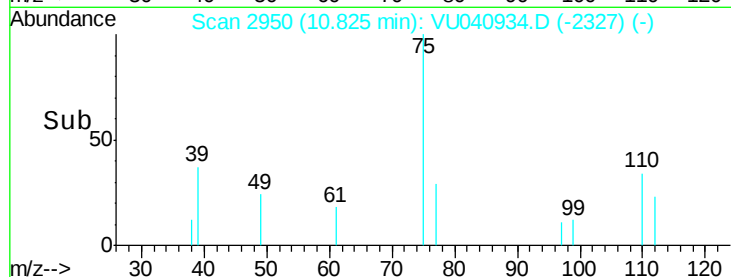
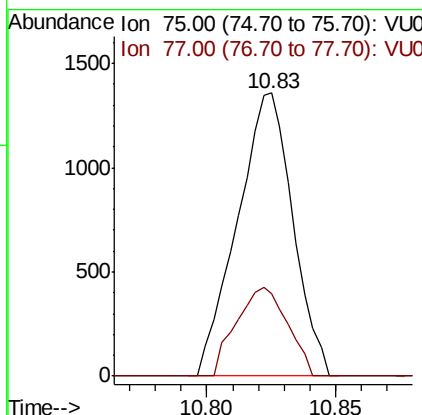
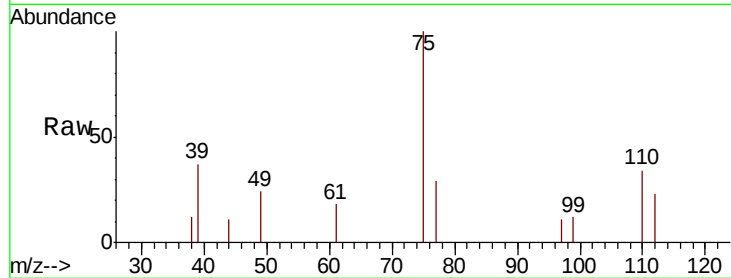




#59
 1,2,3-Trichloropropane
 Concen: 0.483 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

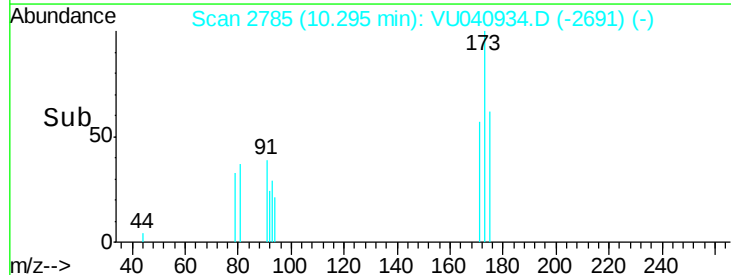
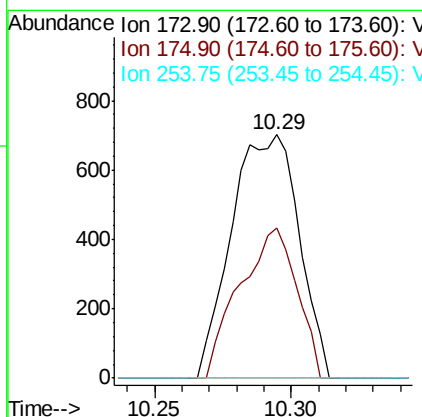
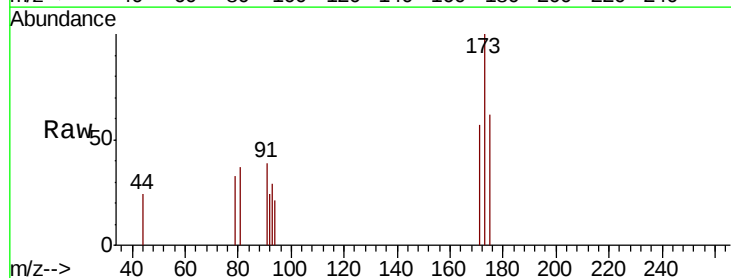
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

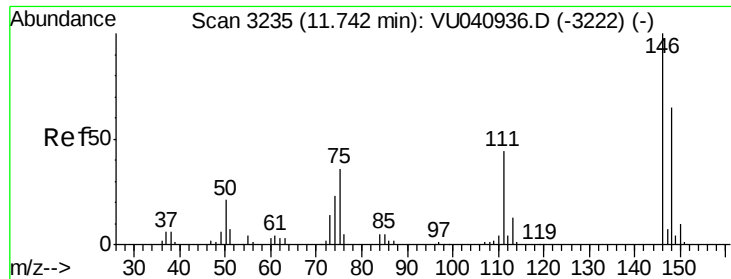
Tot Ion: 75 Resp: 2040
 Ion Ratio Lower Upper
 75 100
 77 28.9 25.7 38.5



#61
 Bromoform
 Concen: 0.501 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion: 173 Resp: 1204
 Ion Ratio Lower Upper
 173 100
 175 52.5 37.6 56.4
 254 0.0 6.6 9.8#

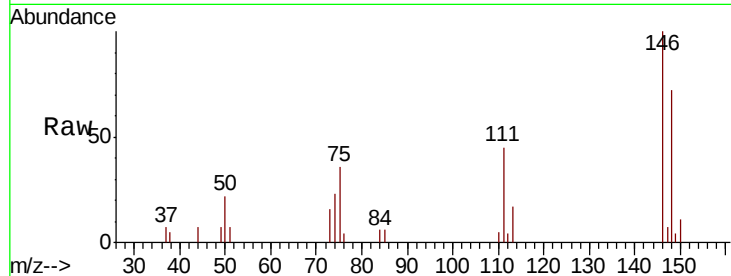




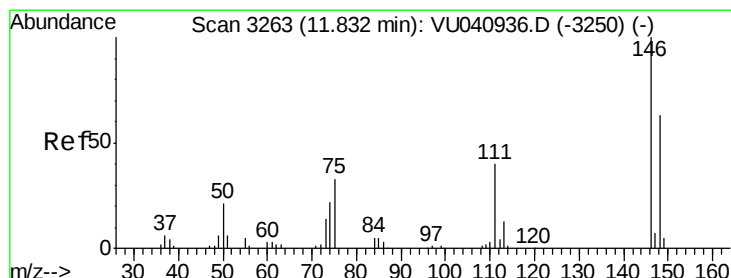
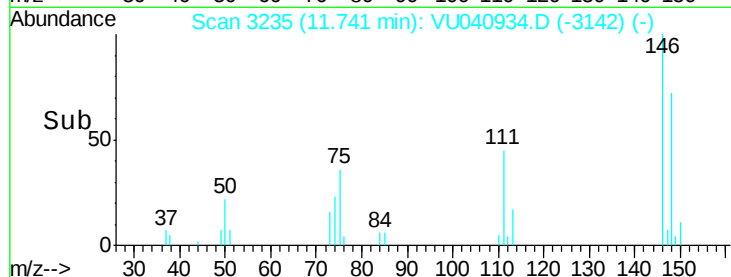
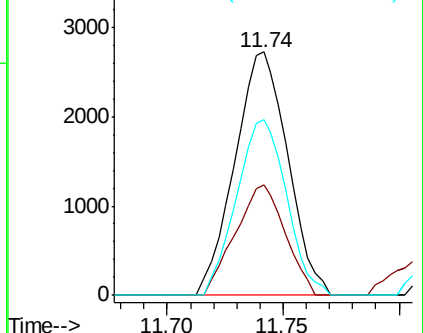
#62
 1,3-Dichlorobenzene
 Concen: 0.429 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion:146 Resp: 4320
 Ion Ratio Lower Upper
 146 100
 111 45.1 30.9 57.3
 148 72.2 45.8 85.2

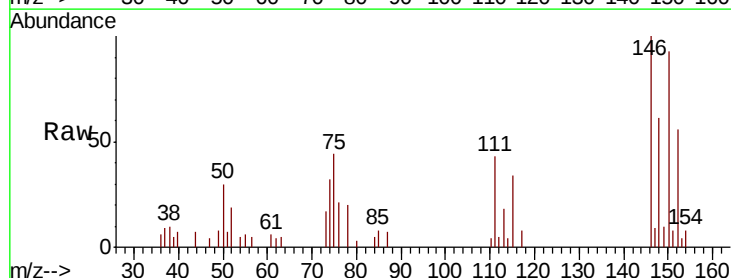


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

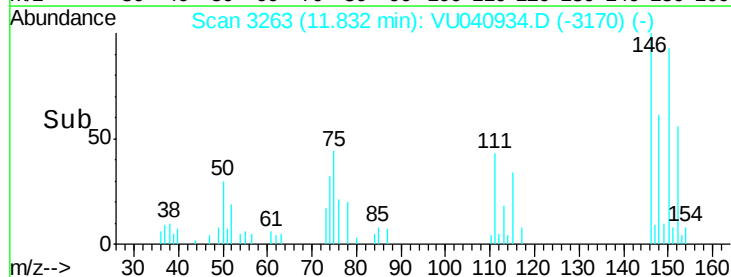
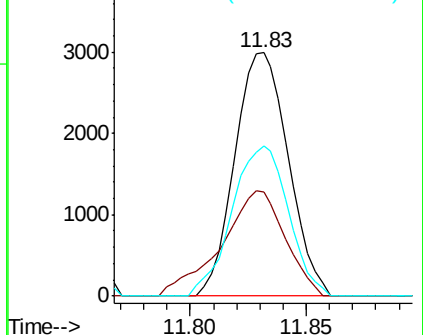


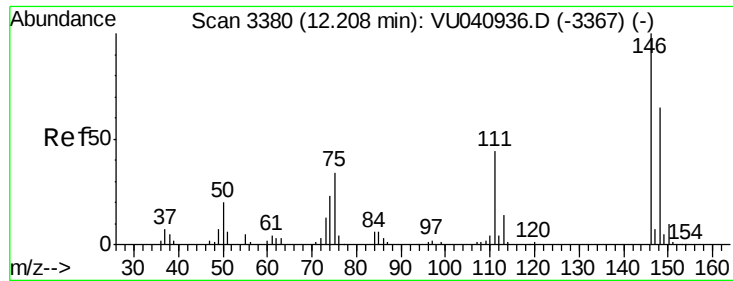
#63
 1,4-Dichlorobenzene
 Concen: 0.462 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion:146 Resp: 4796
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.3 52.7
 148 61.5 44.2 82.2



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





#65

1,2-Dichlorobenzene

Concen: 0.474 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

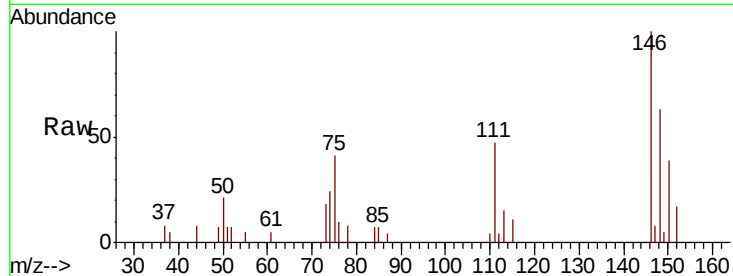
Tot Ion:146 Resp: 4517

Ion Ratio Lower Upper

146 100

111 47.2 35.0 52.6

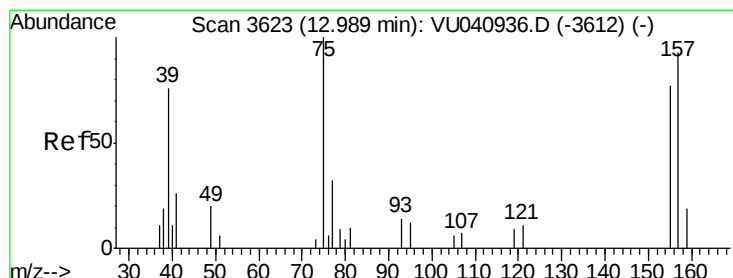
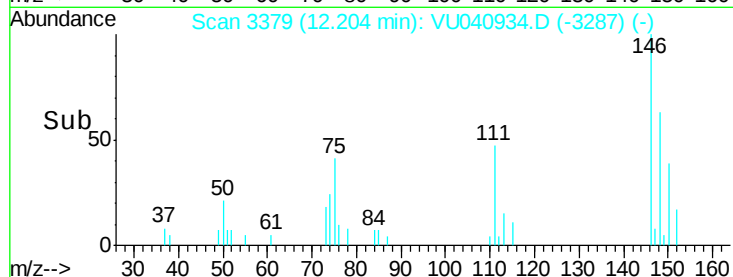
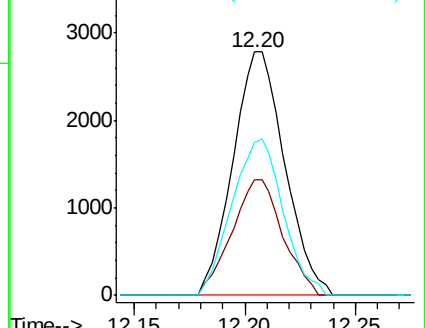
148 62.9 52.0 78.0



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: 0.387 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

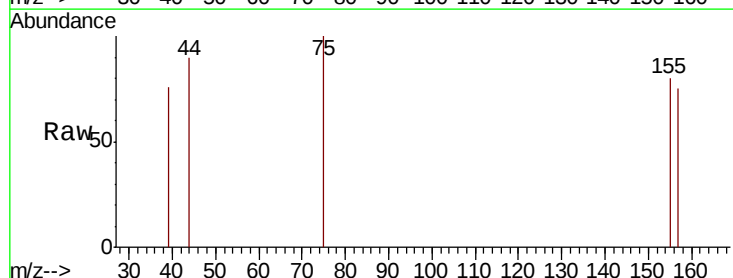
Tgt Ion: 75 Resp: 352

Ion Ratio Lower Upper

75 100

155 79.9 61.4 92.2

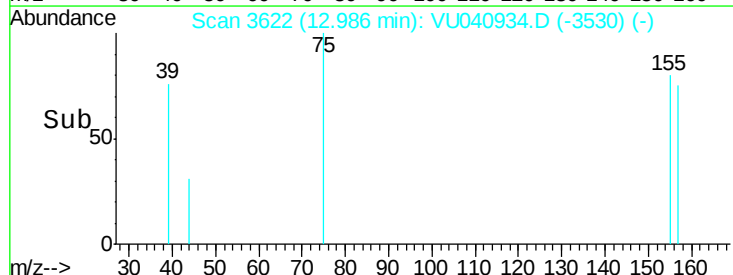
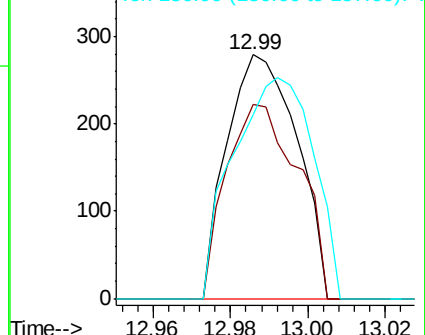
157 75.3 74.2 111.4

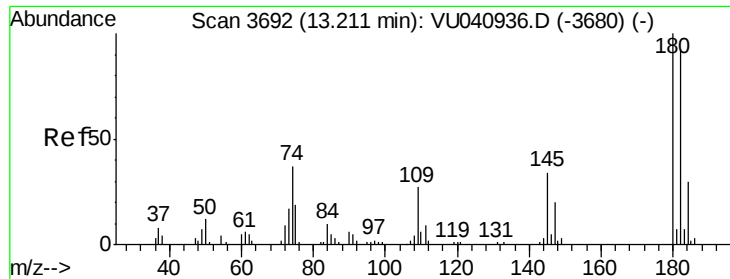


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

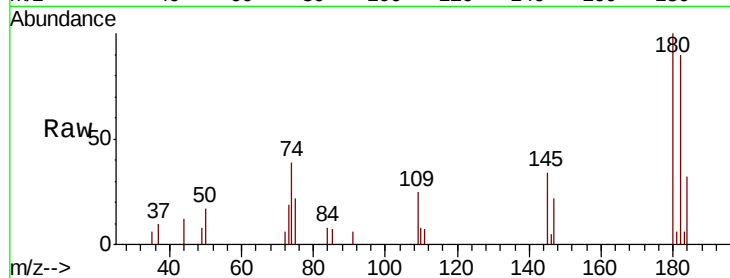




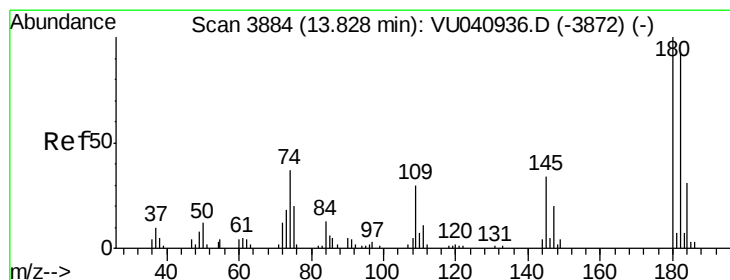
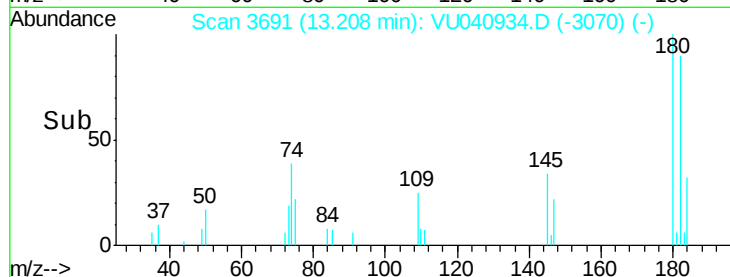
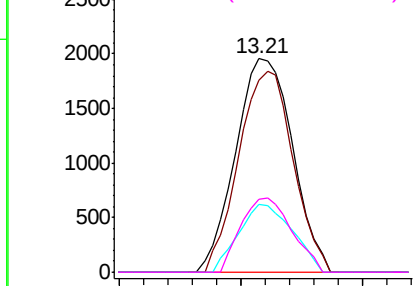
#67
 1,3,5-Trichlorobenzene
 Concen: 0.428 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tot Ion:180 Resp: 3168
 Ion Ratio Lower Upper
 180 100
 182 89.6 75.7 113.5
 184 29.9 23.7 35.5
 145 30.9 26.1 39.1

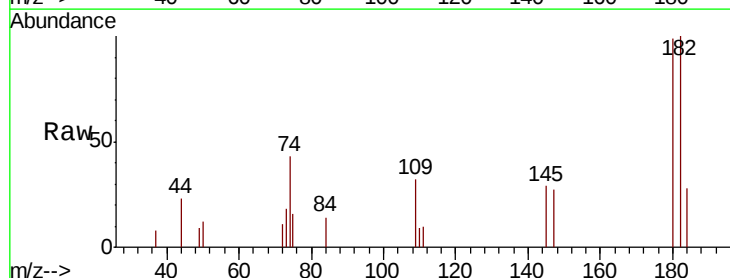


Abundance Ion 180.00 (179.70 to 180.70): V
 3000 Ion 182.00 (181.70 to 182.70): V
 2500 Ion 184.00 (183.70 to 184.70): V
 2000 Ion 145.00 (144.70 to 145.70): V
 1500
 1000
 500
 0

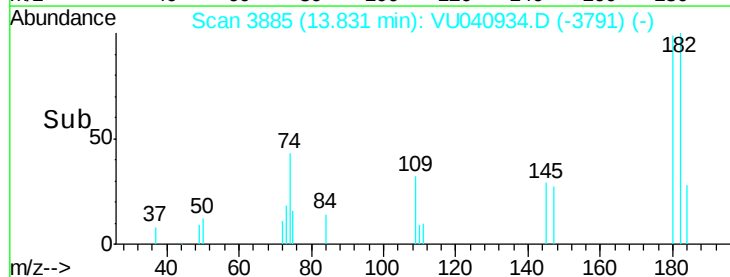
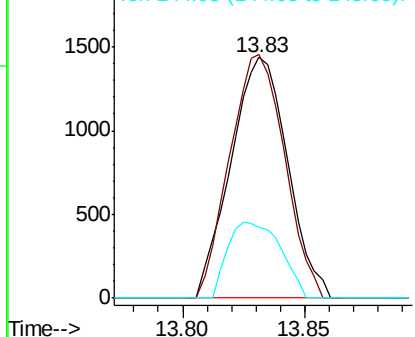


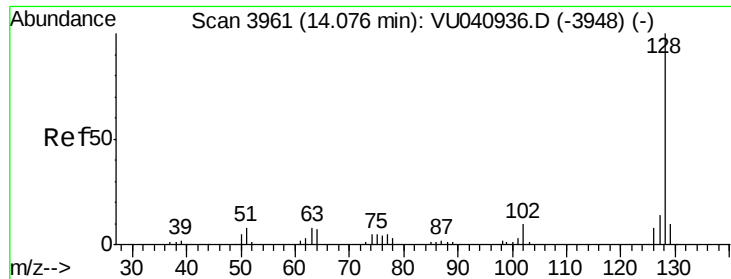
#68
 1,2,4-trichlorobenzene
 Concen: 0.374 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040934.D
 Acq: 26 Oct 2020 10:48

Tgt Ion:180 Resp: 2319
 Ion Ratio Lower Upper
 180 100
 182 97.8 73.5 110.3
 145 29.5 26.6 40.0



Abundance Ion 179.90 (179.60 to 180.60): V
 2000 Ion 182.00 (181.70 to 182.70): V
 1500 Ion 144.95 (144.65 to 145.65): V
 1000
 500
 0





#69

Naphthalene

Concen: 0.284 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

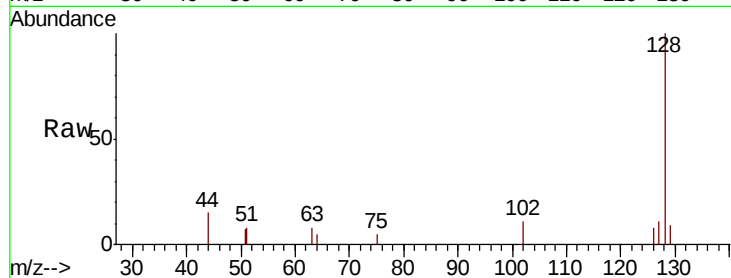
Tot Ion:128 Resp: 3224

Ion Ratio Lower Upper

128 100

129 6.6 8.7 13.1#

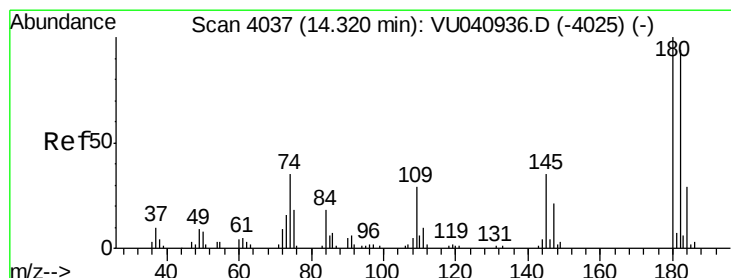
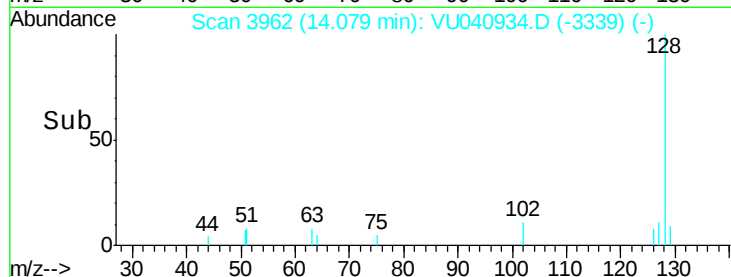
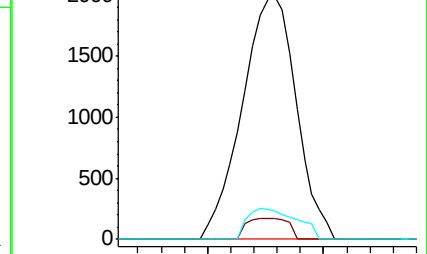
127 11.4 10.8 16.2



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: 0.327 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.01 min

Lab File: VU040934.D

Acq: 26 Oct 2020 10:48

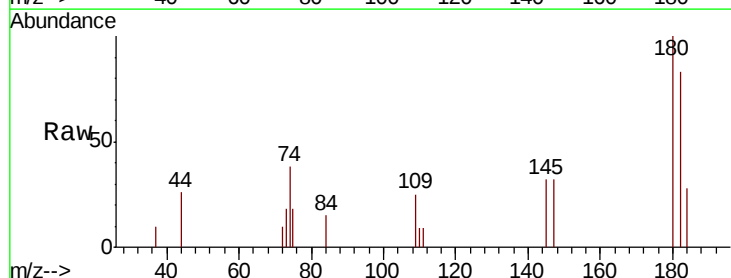
Tgt Ion:180 Resp: 1963

Ion Ratio Lower Upper

180 100

182 94.3 77.7 116.5

145 31.1 29.4 44.0



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

