

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040937.D
 Acq On : 26 Oct 2020 11:58
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Quant Time: Oct 27 02:24:23 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	65370	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34051	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	55407	11.71	ug/L	0.00
7) Chloroethane-d5	1.92	69	43347	10.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	108581	10.96	ug/L	0.00
20) 2-Butanone-d5	4.66	46	195601	117.60	ug/L	0.00
24) Chloroform-d	5.08	84	97754	9.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	58816	10.39	ug/L	0.00
32) Benzene-d6	5.74	84	182106	10.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	58534	10.10	ug/L	0.00
41) Toluene-d8	7.91	98	168810	11.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	26665	11.18	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	153513	127.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54062	10.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	60546	10.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	58904	8.996 ug/L	99
3) Chloromethane	1.53	50	61354	8.742 ug/L	99
5) Vinyl chloride	1.61	62	60883	9.215 ug/L	99
6) Bromomethane	1.87	94	35550	10.330 ug/L	98
8) Chloroethane	1.94	64	38346	9.006 ug/L	97
9) Trichlorofluoromethane	2.15	101	81626	9.304 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	48345	9.463 ug/L	99
12) 1,1-Dichloroethene	2.59	96	45820	9.602 ug/L	95
13) Acetone	2.68	43	123524	105.530 ug/L	# 57
14) Carbon disulfide	2.81	76	152038	9.047 ug/L	98
15) Methyl Acetate	2.98	43	29213	10.187 ug/L	97
16) Methylene chloride	3.06	84	51347	8.743 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	123919	10.548 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	46563	9.459 ug/L	97
19) 1,1-Dichloroethane	3.89	63	92179	9.305 ug/L	97
21) 2-Butanone	4.75	43	201858	115.067 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	50730	9.428 ug/L	97
23) Bromochloromethane	5.00	128	24067	9.930 ug/L	98
25) Chloroform	5.11	83	93752	9.281 ug/L	97
27) 1,2-Dichloroethane	5.81	62	70072	10.041 ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	80589	9.750 ug/L	96
30) Cyclohexane	5.40	56	84009	10.153 ug/L	98
31) Carbon tetrachloride	5.54	117	69465	9.469 ug/L	98
33) Benzene	5.79	78	200686	9.786 ug/L	100
34) Trichloroethene	6.56	95	50510	9.616 ug/L	96
35) Methylcyclohexane	6.77	83	80926	10.352 ug/L	97
37) 1,2-Dichloropropane	6.80	63	53111	9.563 ug/L	99
38) Bromodichloromethane	7.11	83	69192	9.750 ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	76920	10.308 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	462832	119.953 ug/L	100

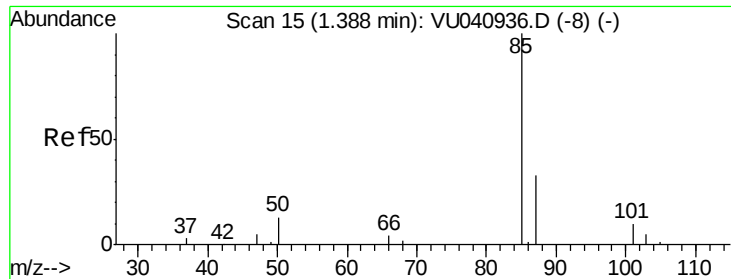
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	208260	10.072	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	72190	10.612	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	39740	10.391	ug/L	94
47) Tetrachloroethene	8.56	164	36566	9.396	ug/L	99
48) 2-Hexanone	8.69	43	344782	121.634	ug/L	100
49) Dibromochloromethane	8.82	129	47347	10.387	ug/L	98
50) 1,2-Dibromoethane	8.93	107	38376	10.703	ug/L	99
51) Chlorobenzene	9.45	112	126419	9.484	ug/L	99
52) Ethylbenzene	9.57	91	227221	10.217	ug/L	100
53) m,p-Xylene	9.69	106	84438	10.593	ug/L	100
54) o-Xylene	10.10	106	79735	10.509	ug/L	98
55) Styrene	10.11	104	144947	10.961	ug/L	98
56) Isopropylbenzene	10.48	105	213463	10.558	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	52972	10.740	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	39744	10.707	ug/L	99
61) Bromoform	10.29	173	26265	10.430	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	99498	9.423	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	101310	9.302	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	97202	9.733	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9469	9.929	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	69877	9.013	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	60906	9.362	ug/L	98
69) Naphthalene	14.08	128	122661	10.315	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	59081	9.399	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 8.996 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

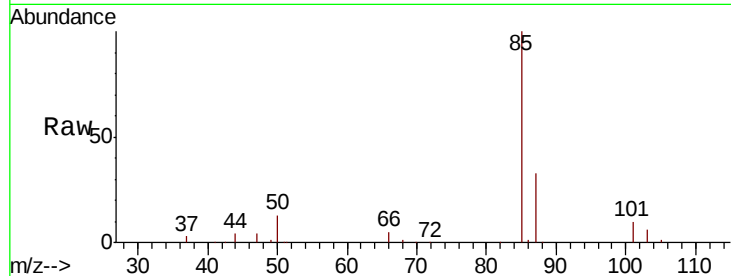
VSTD01004

Tot Ion: 85 Resp: 58904

Ion Ratio Lower Upper

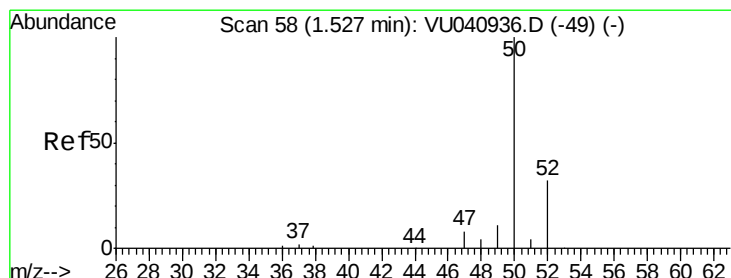
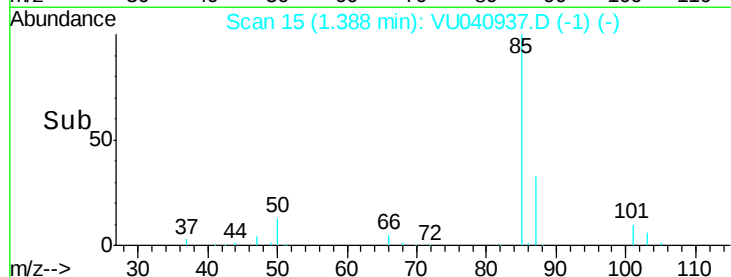
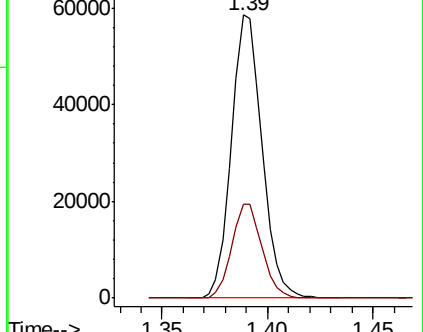
85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040937.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040937.D (-8) (-)



#3

Chloromethane

Concen: 8.742 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040937.D

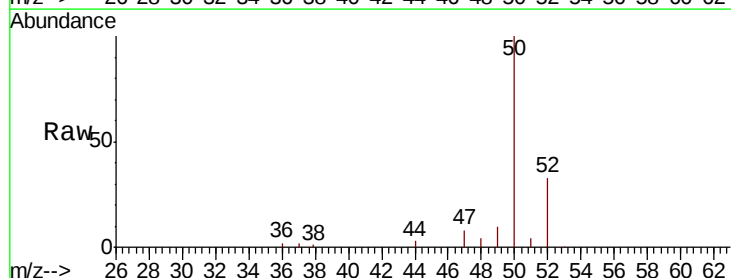
Acq: 26 Oct 2020 11:58

Tgt Ion: 50 Resp: 61354

Ion Ratio Lower Upper

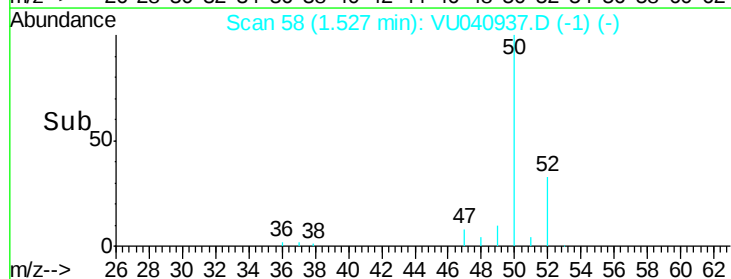
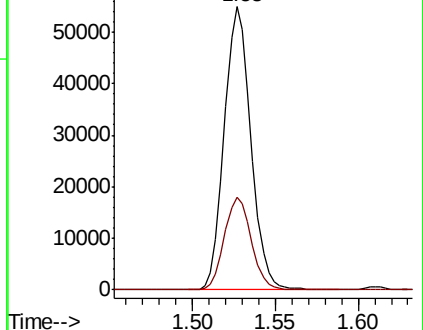
50 100

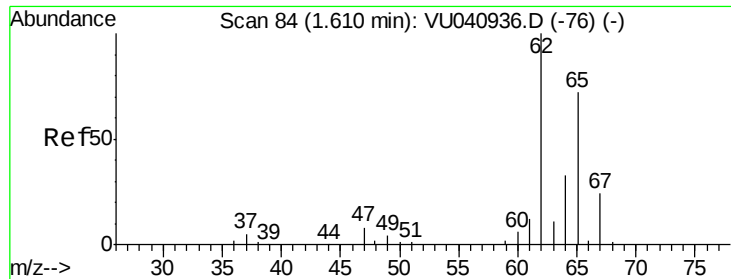
52 32.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU040937.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040937.D (-49) (-)





#5

Vinyl chloride

Concen: 9.215 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

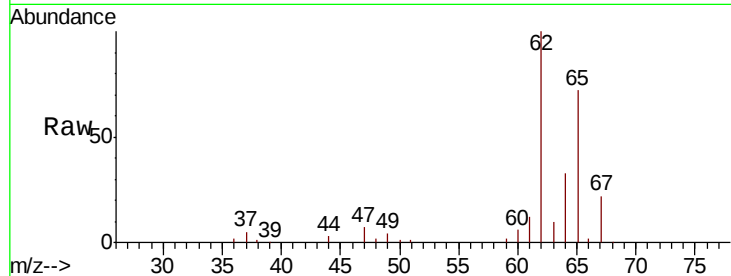
VSTD01004

Tot Ion: 62 Resp: 60883

Ion Ratio Lower Upper

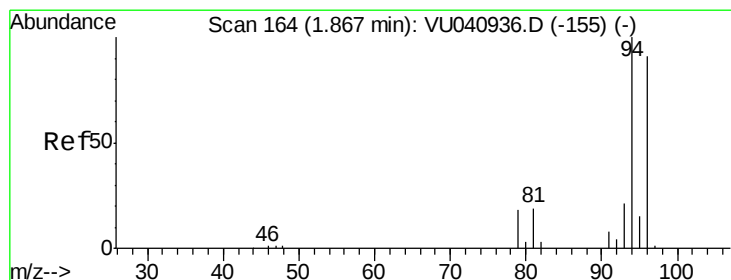
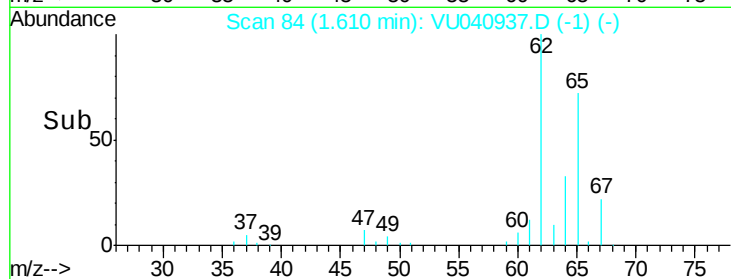
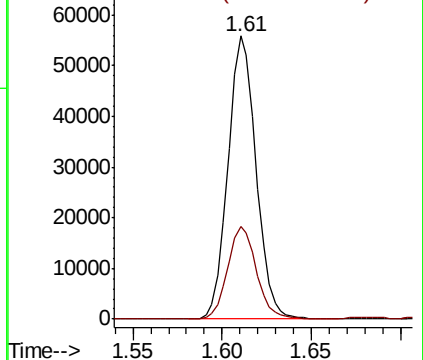
62 100

64 32.8 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: 10.330 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040937.D

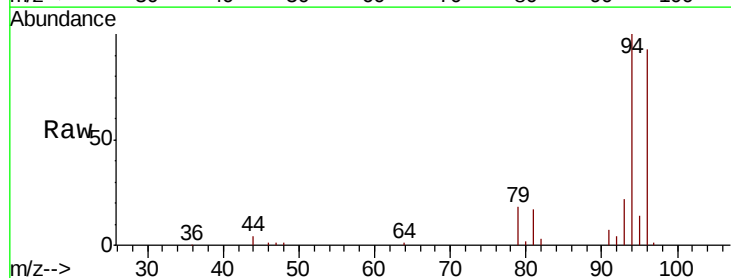
Acq: 26 Oct 2020 11:58

Tgt Ion: 94 Resp: 35550

Ion Ratio Lower Upper

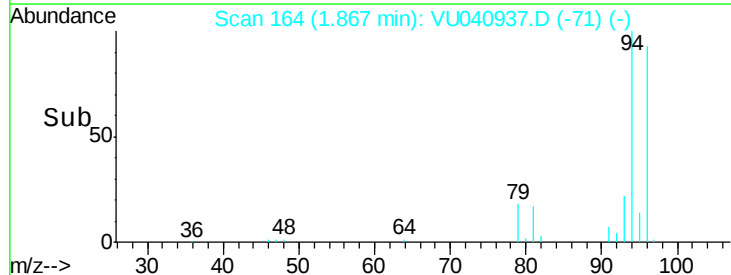
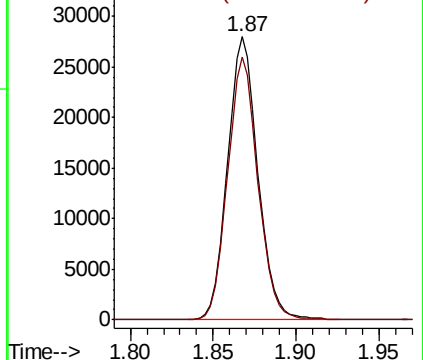
94 100

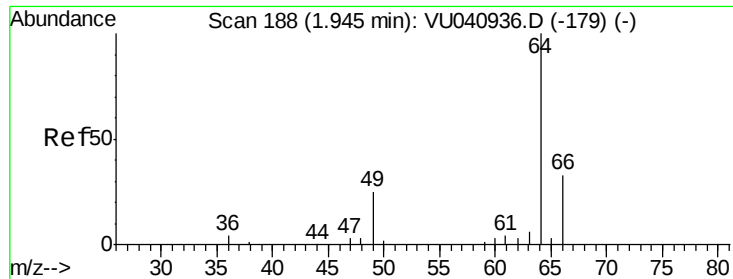
96 92.9 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

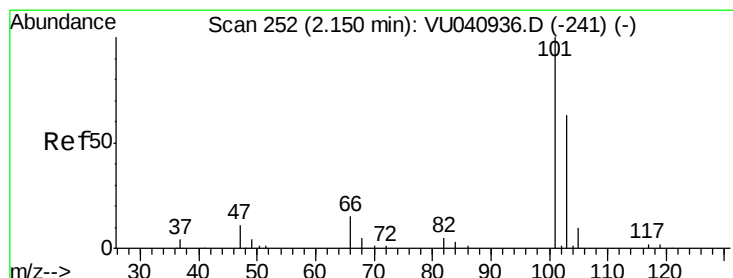
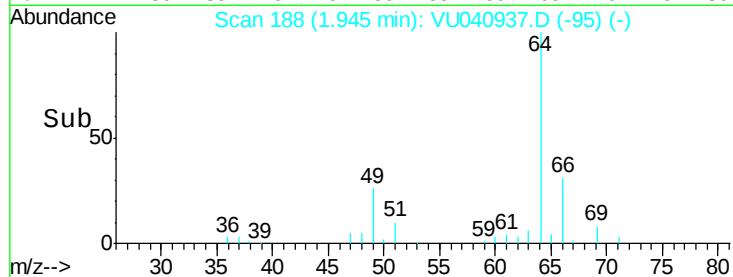
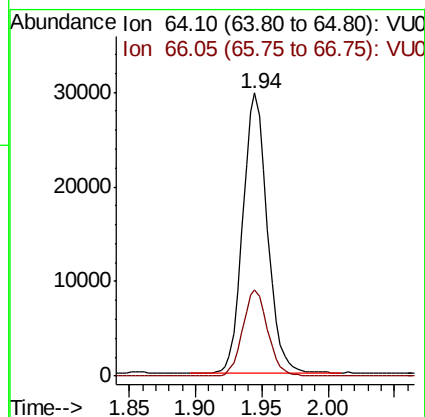
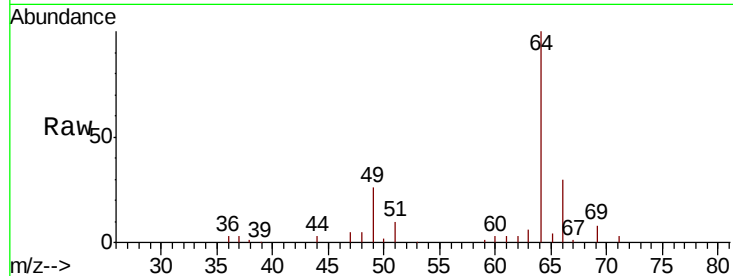




#8
 Chloroethane
 Concen: 9.006 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

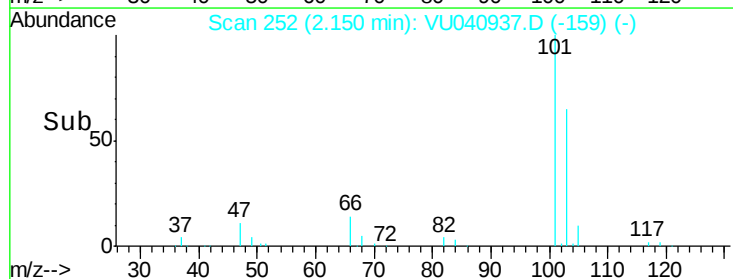
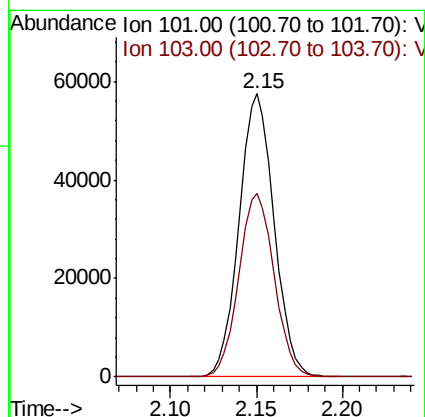
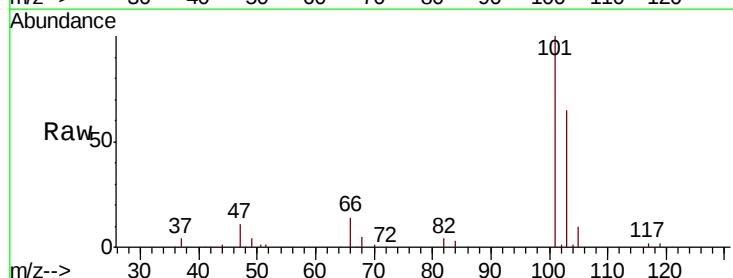
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

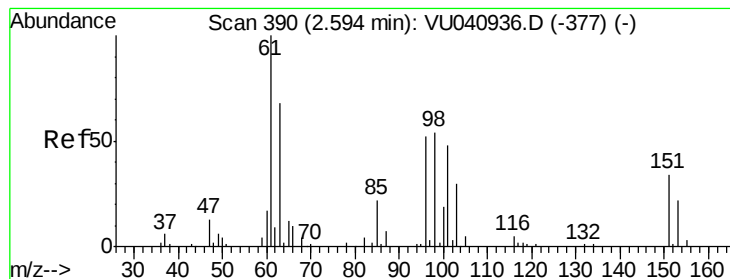
Tot Ion: 64 Resp: 38346
 Ion Ratio Lower Upper
 64 100
 66 30.4 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 9.304 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

Tgt Ion: 101 Resp: 81626
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.0 76.4





#10

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

Concen: 9.463 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

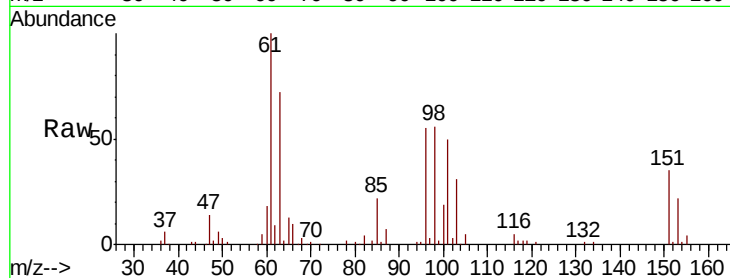
Tot Ion:101 Resp: 48345

Ion Ratio Lower Upper

101 100

85 45.5 35.0 52.4

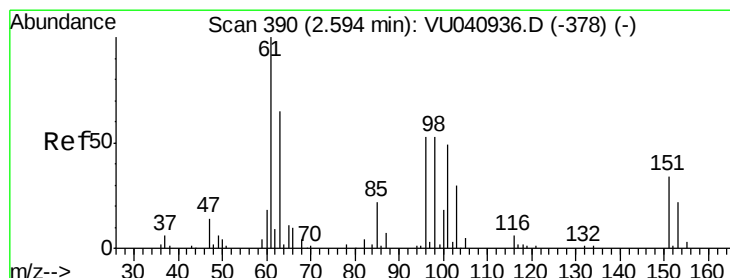
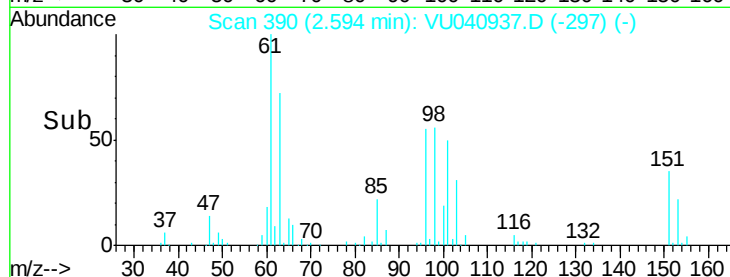
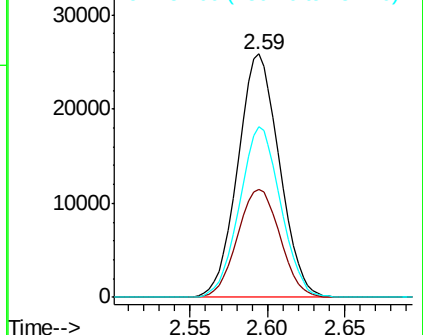
151 69.4 55.3 82.9



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: 9.602 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

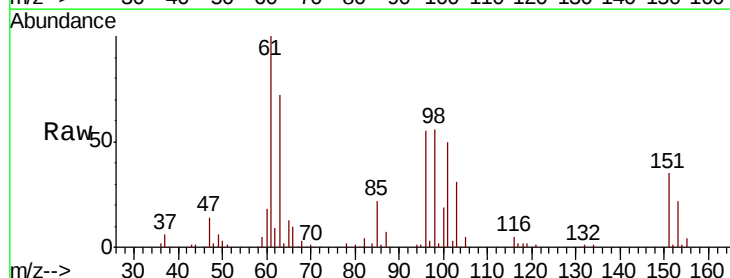
Tgt Ion: 96 Resp: 45820

Ion Ratio Lower Upper

96 100

61 182.7 134.3 249.5

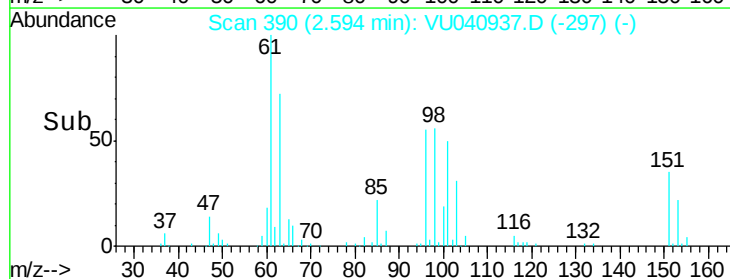
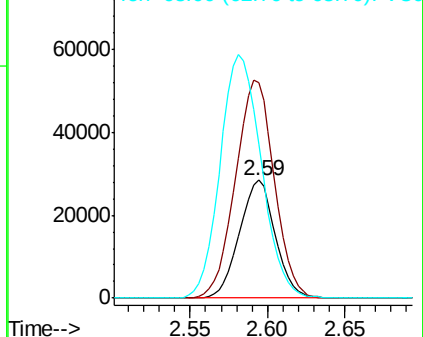
63 130.8 95.0 176.4

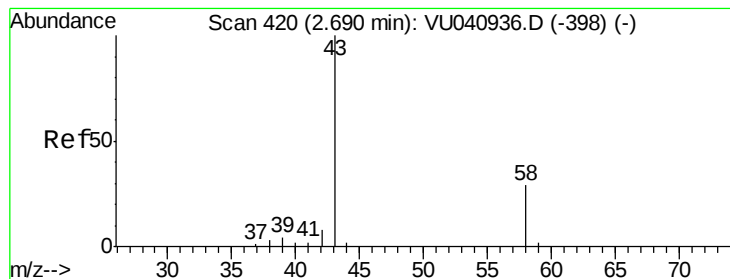


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 105.530 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

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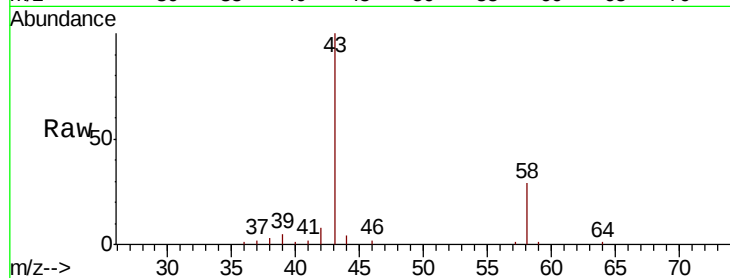
VSTD01004

Tot Ion: 43 Resp: 123524

Ion Ratio Lower Upper

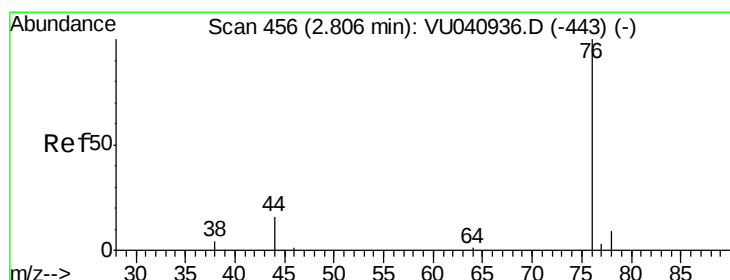
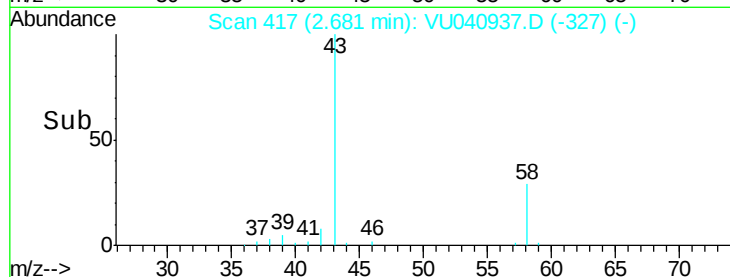
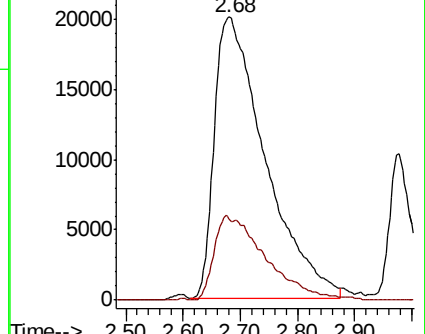
43 100

58 29.7 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 9.047 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040937.D

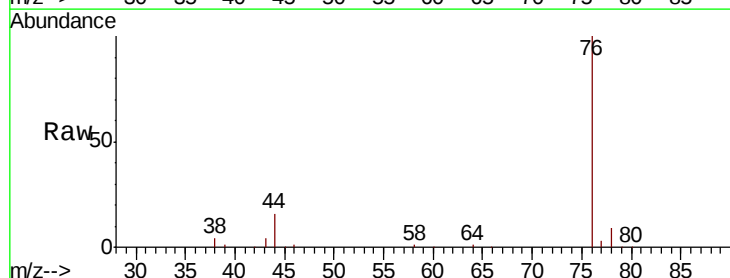
Acq: 26 Oct 2020 11:58

Tgt Ion: 76 Resp: 152038

Ion Ratio Lower Upper

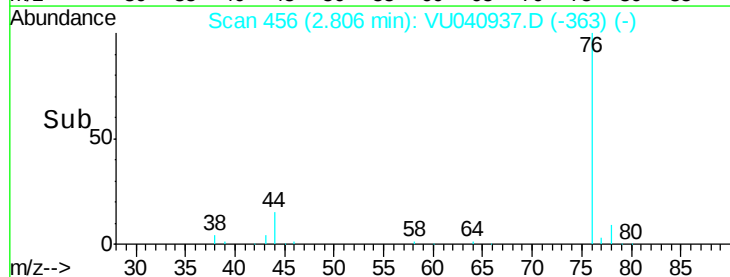
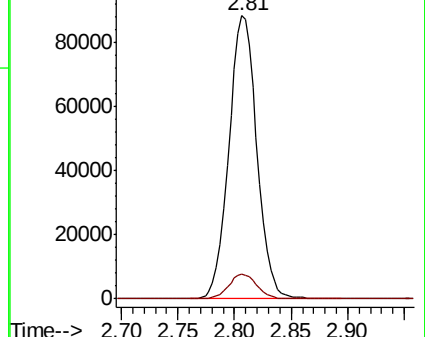
76 100

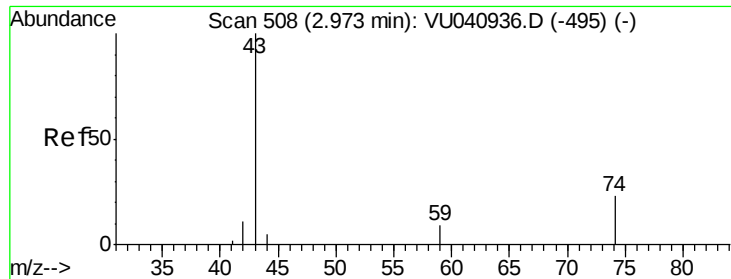
78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 10.187 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

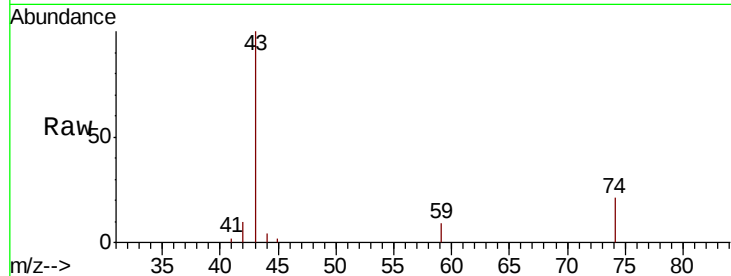
VSTD01004

Tot Ion: 43 Resp: 29213

Ion Ratio Lower Upper

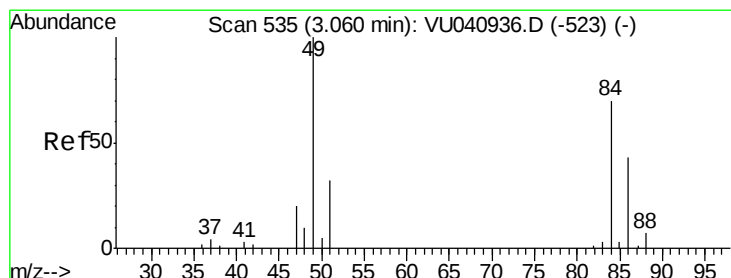
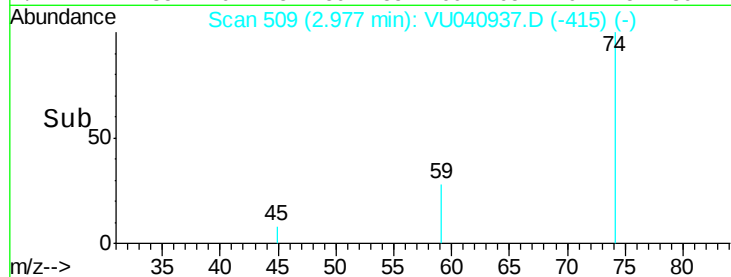
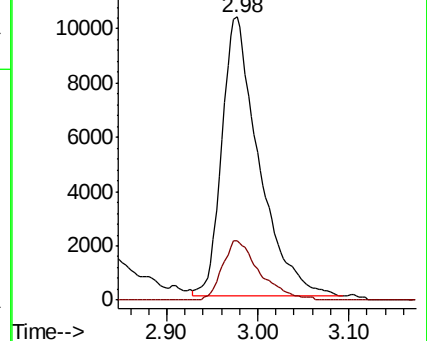
43 100

74 21.2 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 8.743 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

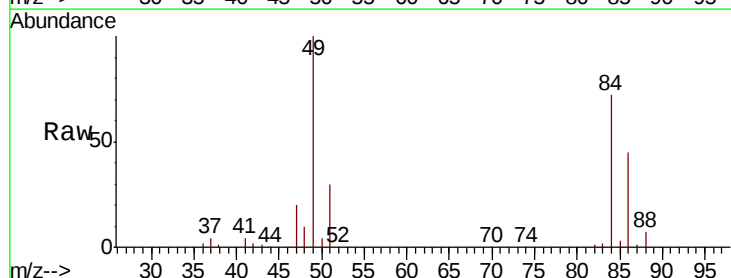
Tgt Ion: 84 Resp: 51347

Ion Ratio Lower Upper

84 100

86 62.7 42.8 79.6

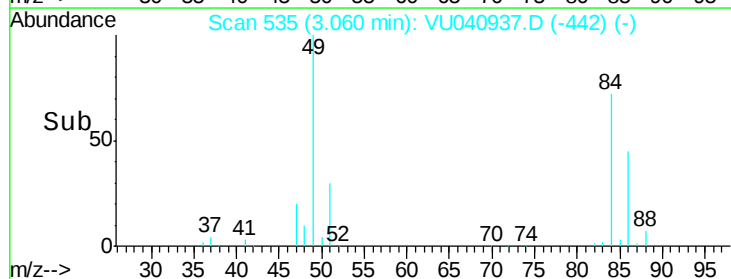
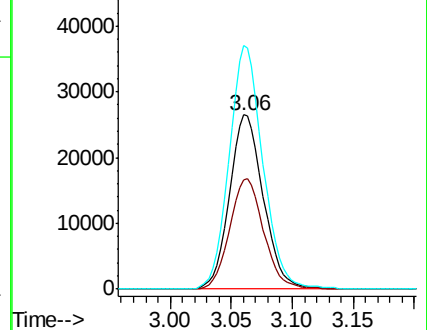
49 139.7 99.5 184.7

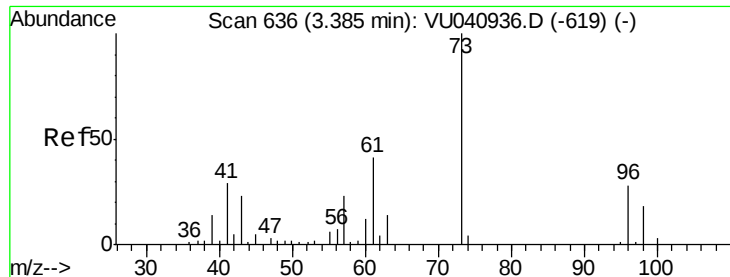


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

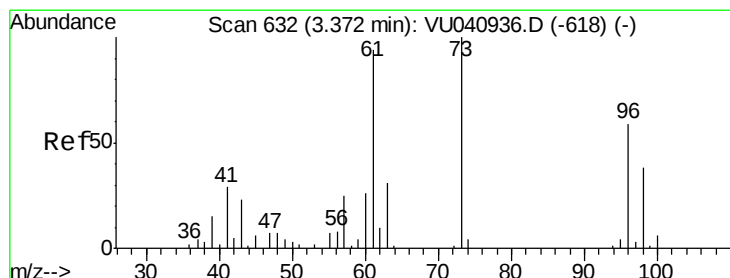
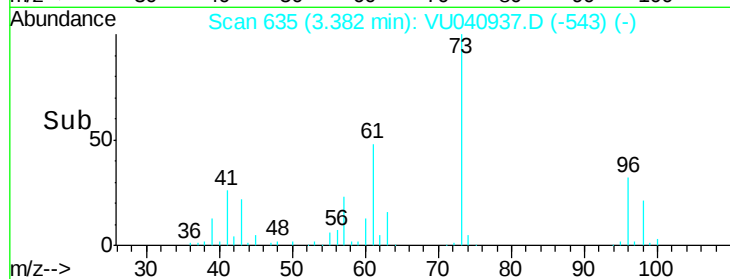
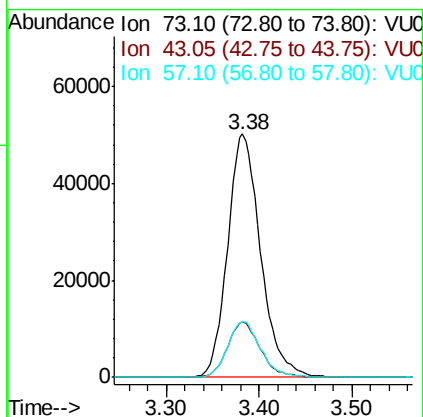
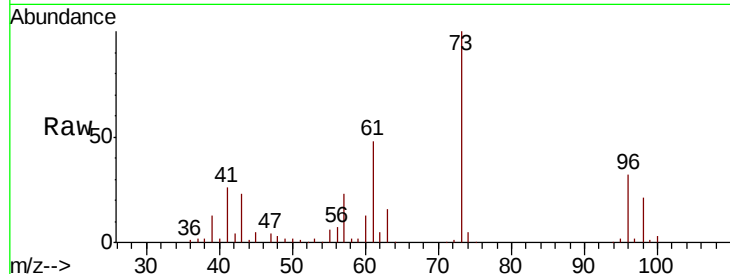




#17
Methvl tert-butvl Ether
Concen: 10.548 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

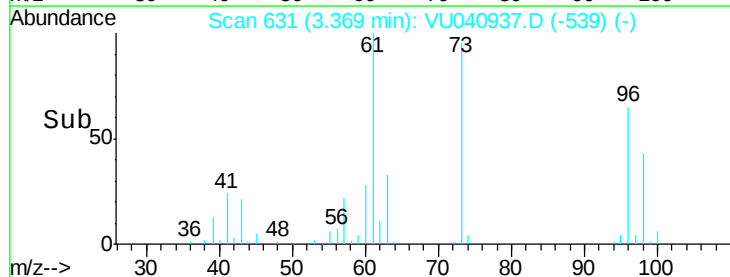
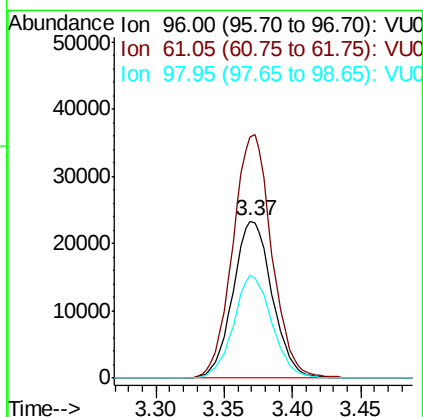
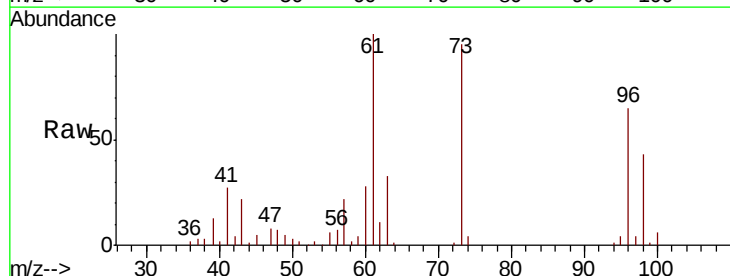
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

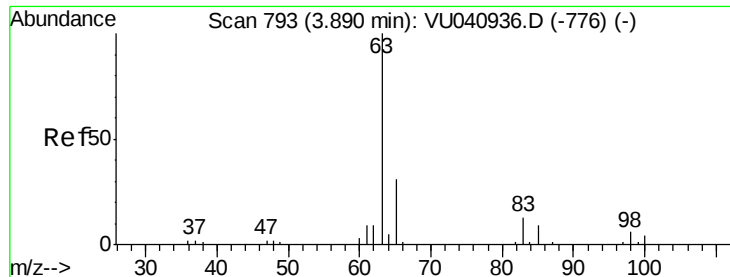
Tot Ion: 73 Resp: 123919
Ion Ratio Lower Upper
73 100
43 22.7 18.5 27.7
57 23.0 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 9.459 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Tgt Ion: 96 Resp: 46563
Ion Ratio Lower Upper
96 100
61 153.4 110.9 205.9
98 65.3 45.4 84.2

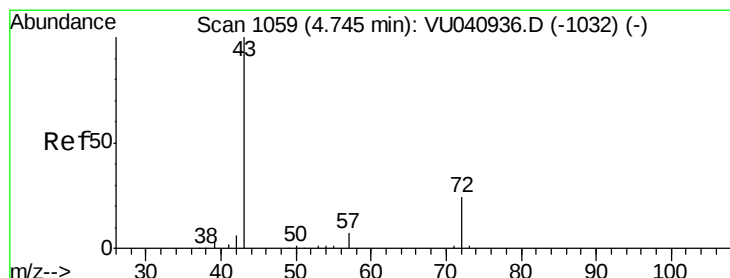
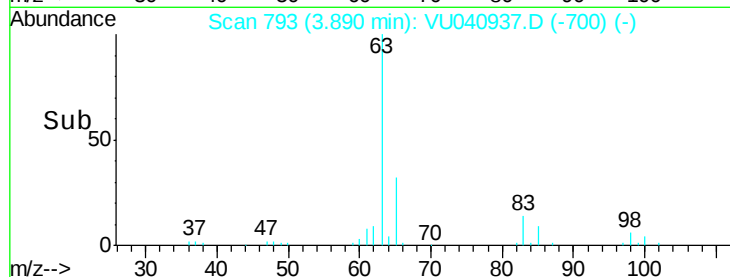
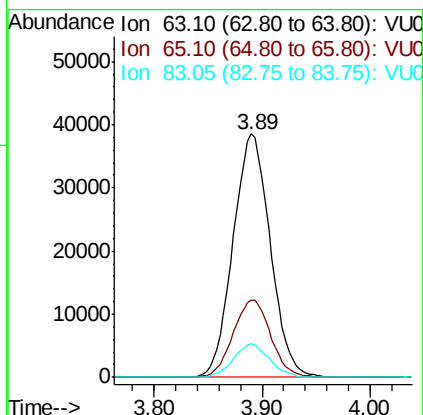
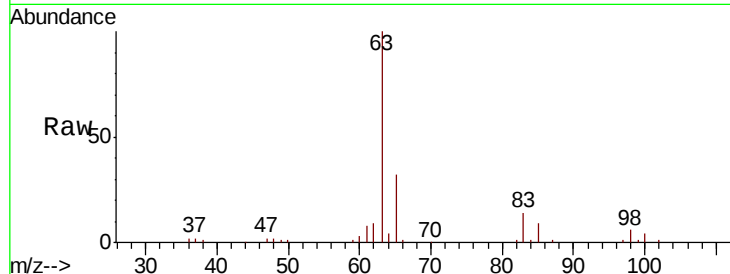




#19
 1,1-Dichloroethane
 Concen: 9.305 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

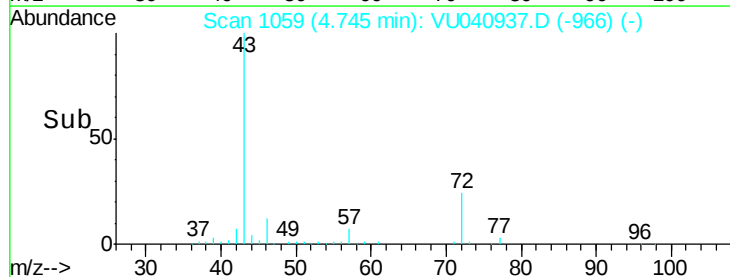
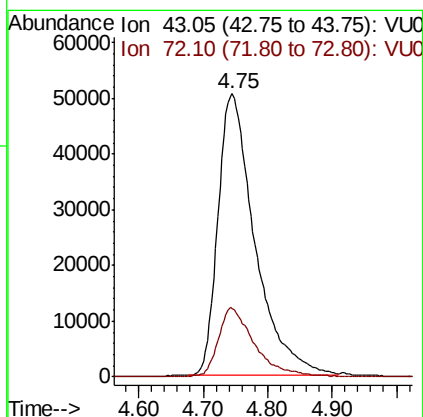
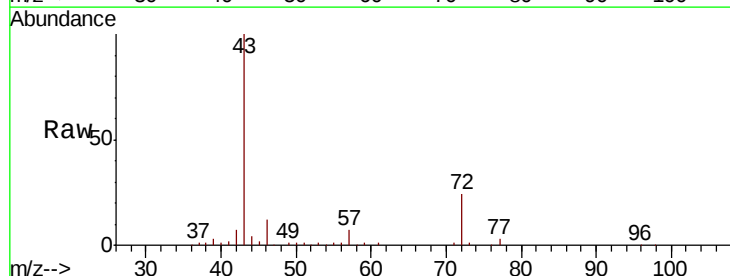
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

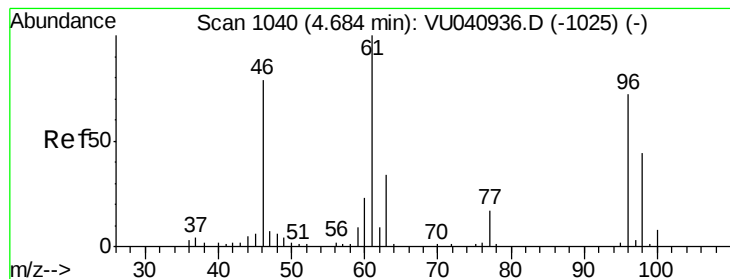
Tot Ion: 63 Resp: 92179
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.3 39.6
 83 13.8 8.8 16.3



#21
 2-Butanone
 Concen: 115.067 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

Tgt Ion: 43 Resp: 201858
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 9.428 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

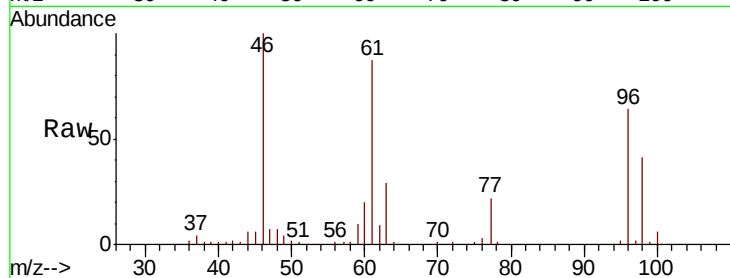
Tot Ion: 96 Resp: 50730

Ion Ratio Lower Upper

96 100

61 135.5 97.2 180.4

68 0.0 0.0 0.0

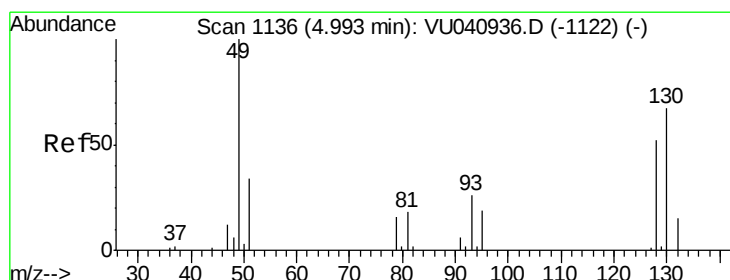
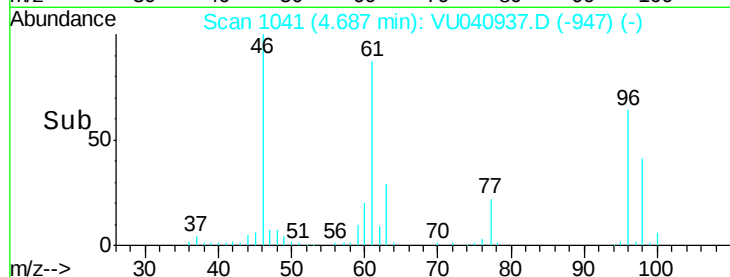
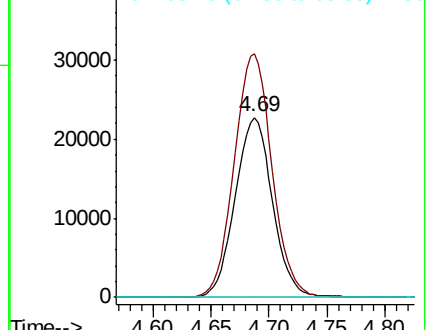


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 9.930 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Tgt Ion: 128 Resp: 24067

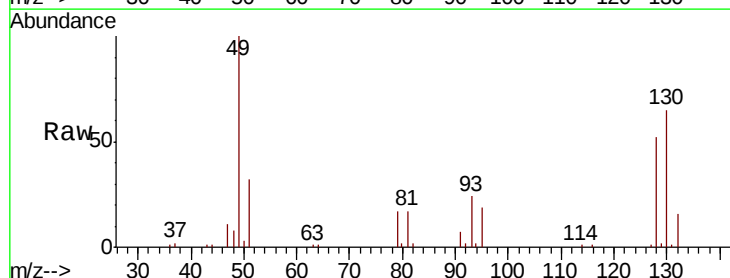
Ion Ratio Lower Upper

128 100

49 192.4 135.0 250.8

130 125.0 89.9 167.0

51 60.6 51.9 77.9



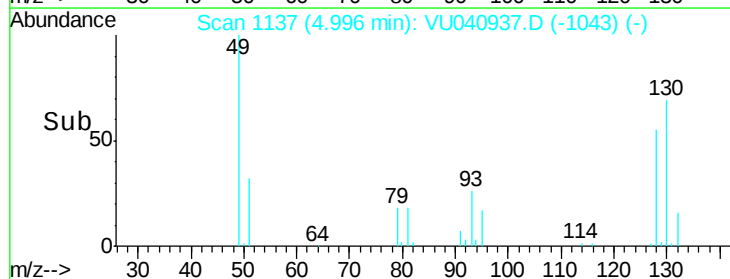
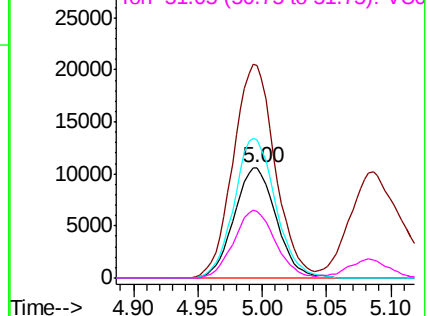
Abundance

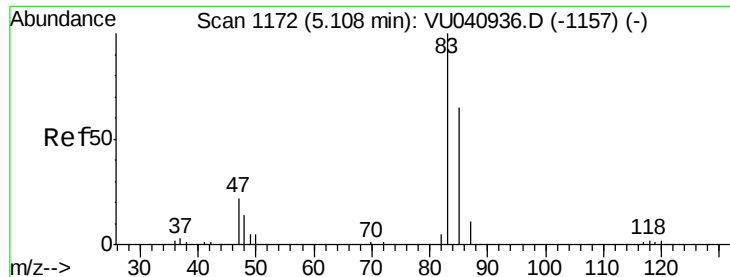
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

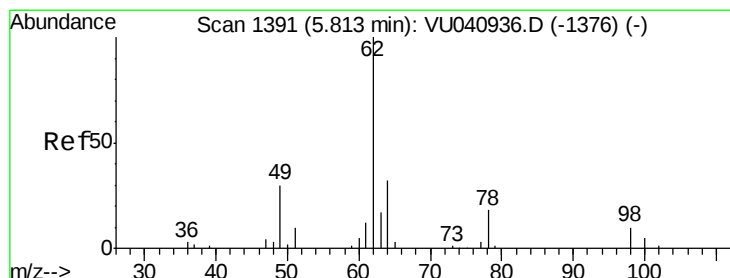
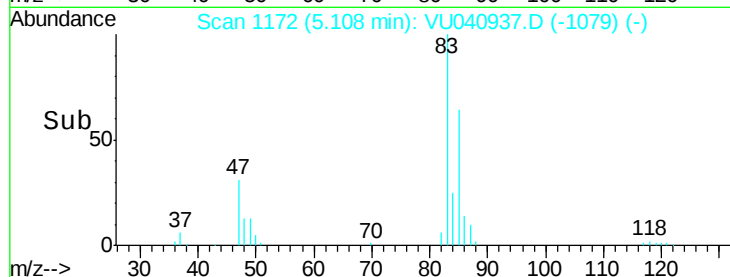
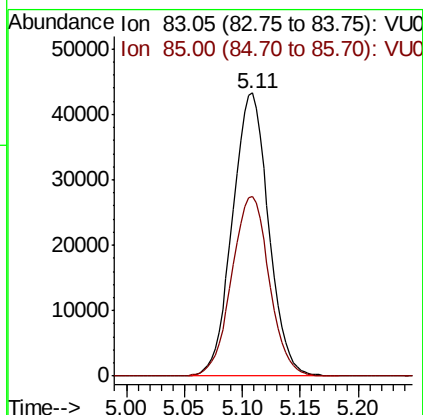
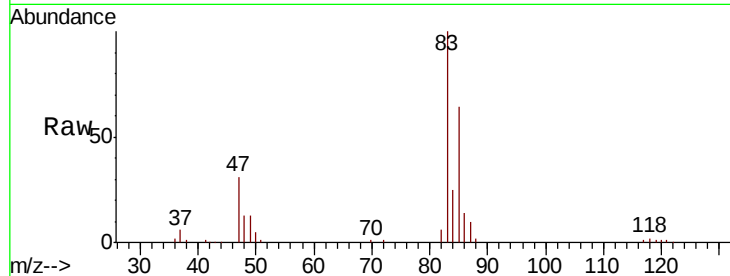




#25
Chloroform
Concen: 9.281 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

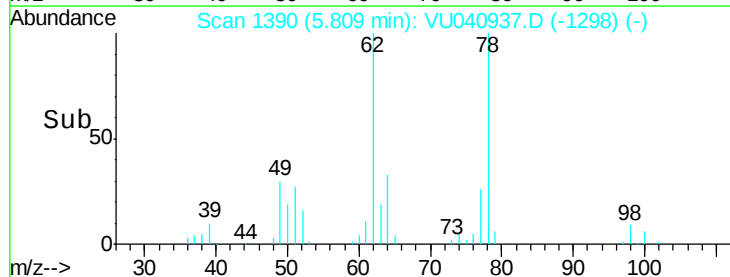
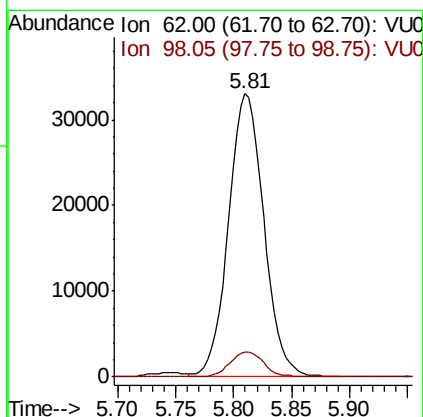
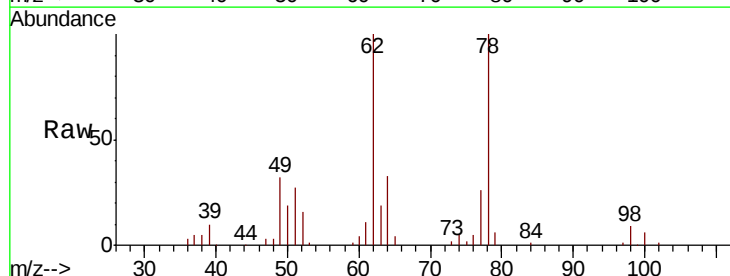
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

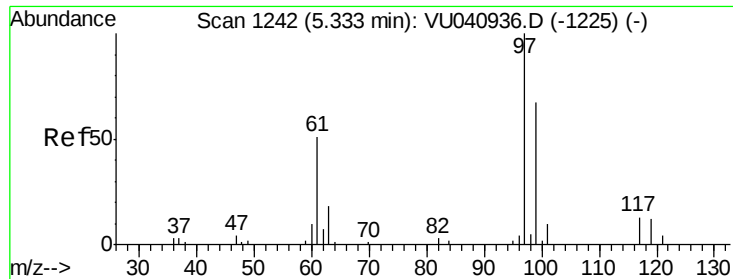
Tot Ion: 83 Resp: 93752
Ion Ratio Lower Upper
83 100
85 63.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 10.041 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Tgt Ion: 62 Resp: 70072
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4

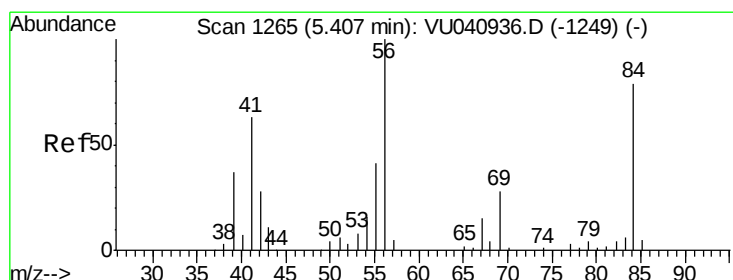
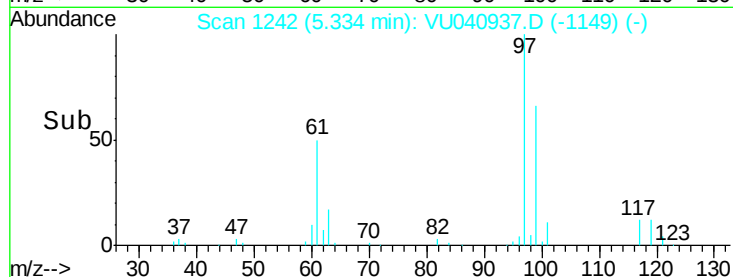
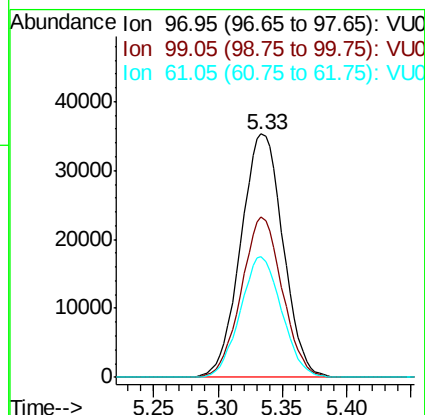
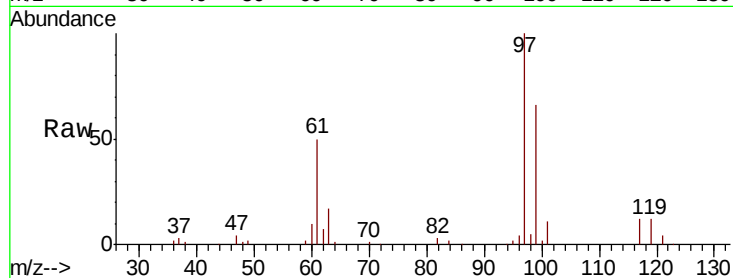




#29
 1,1,1-Trichloroethane
 Concen: 9.750 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

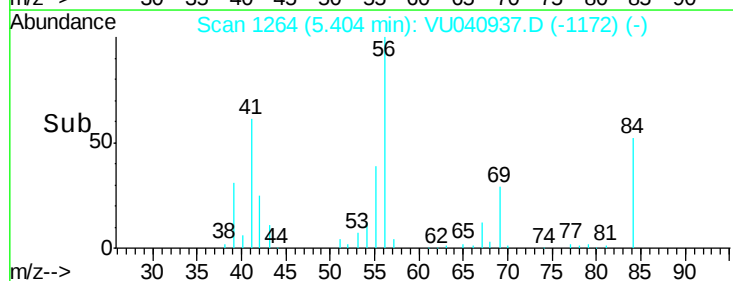
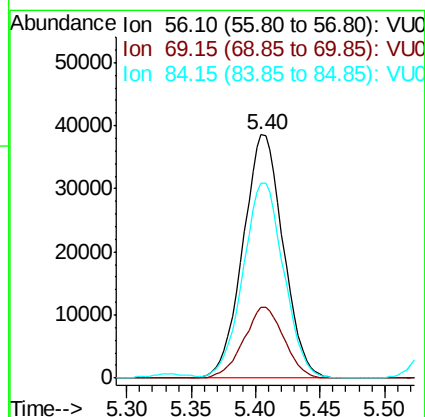
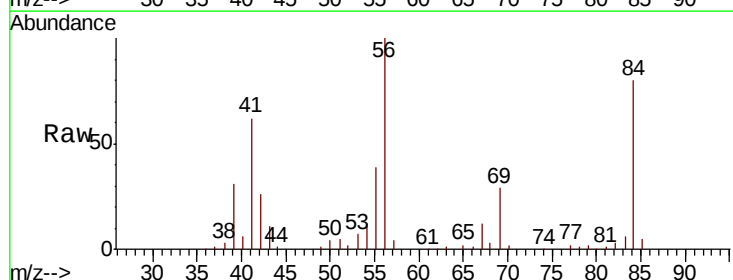
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD01004

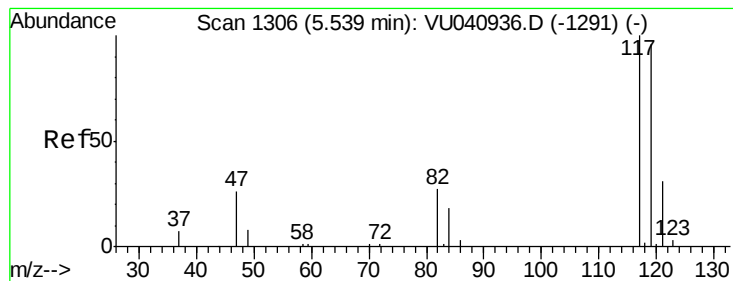
Tot Ion: 97 Resp: 80589
 Ion Ratio Lower Upper
 97 100
 99 63.7 53.4 80.0
 61 48.6 41.6 62.4



#30
 Cyclohexane
 Concen: 10.153 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

Tgt Ion: 56 Resp: 84009
 Ion Ratio Lower Upper
 56 100
 69 29.2 22.8 34.2
 84 81.1 63.6 95.4





#31

Carbon tetrachloride

Concen: 9.469 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

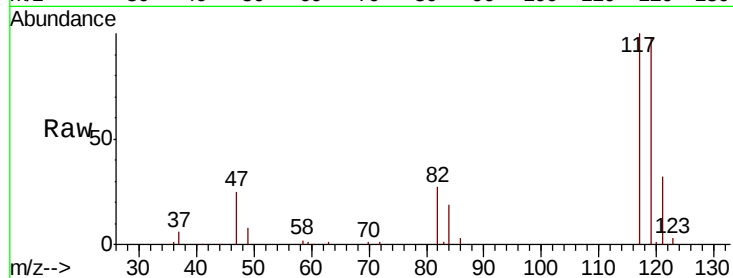
VSTD01004

Tot Ion:117 Resp: 69465

Ion Ratio Lower Upper

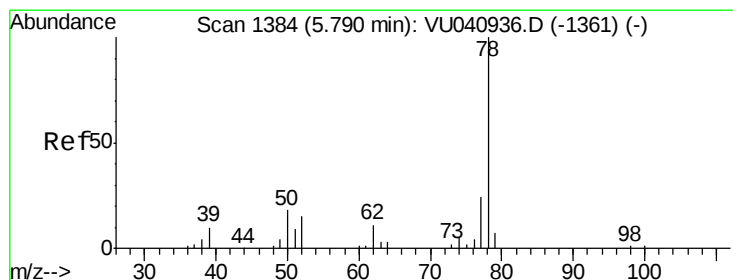
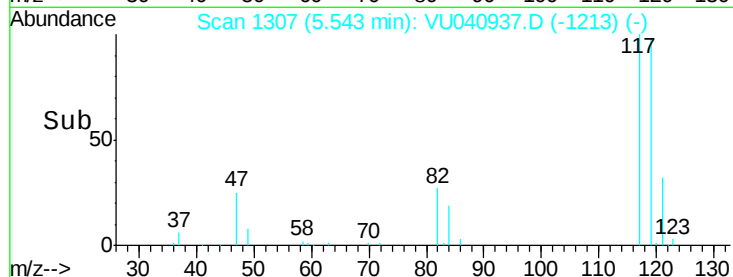
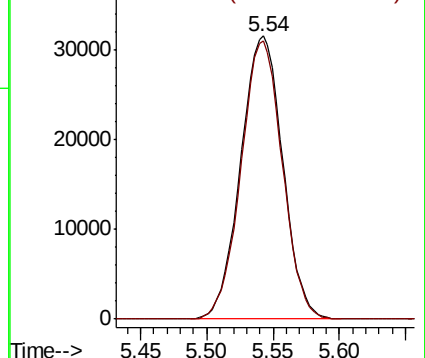
117 100

119 96.6 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.786 ug/L

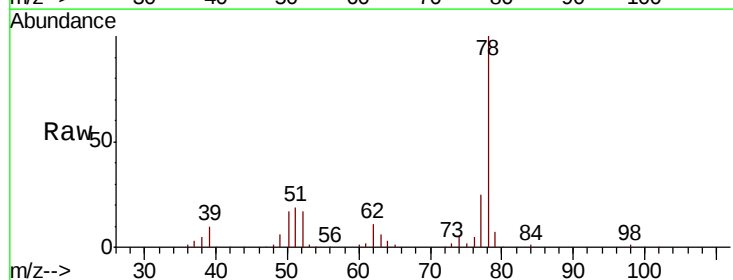
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

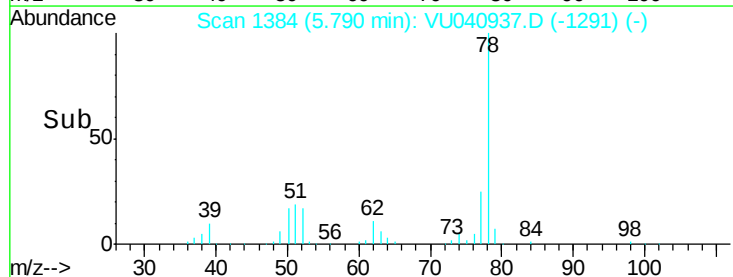
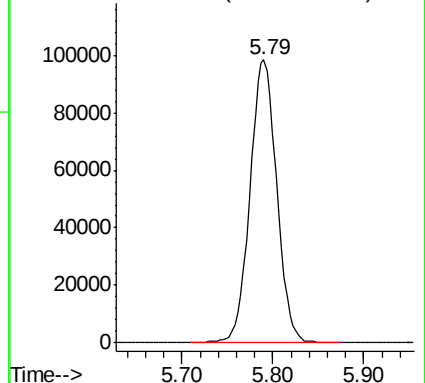
Lab File: VU040937.D

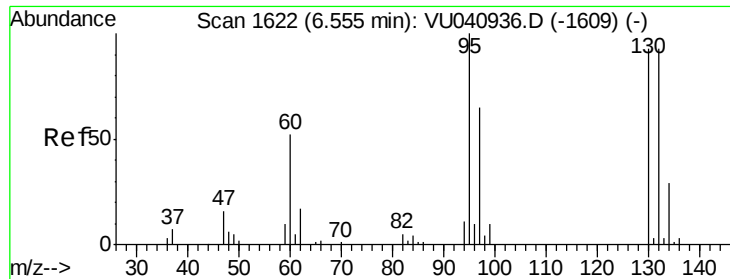
Acq: 26 Oct 2020 11:58

Tgt Ion: 78 Resp: 200686



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.616 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

Tot Ion: 95 Resp: 50510

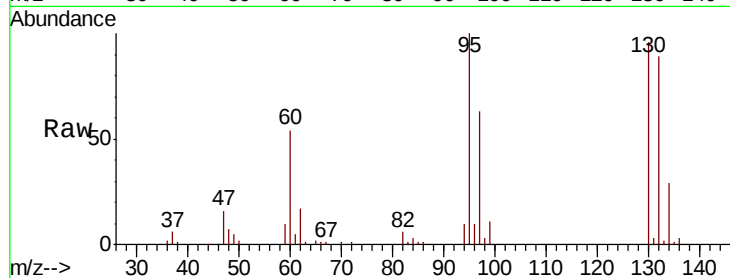
Ion Ratio Lower Upper

95 100

97 62.5 45.6 84.6

132 88.5 64.8 120.4

130 95.8 64.8 120.4

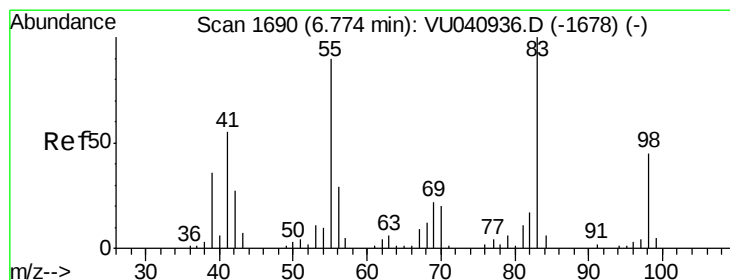
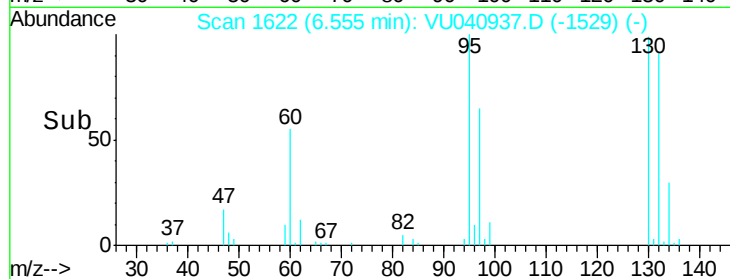
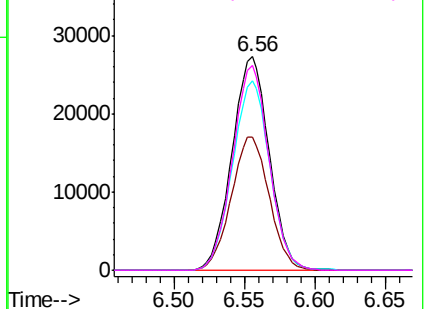


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.352 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

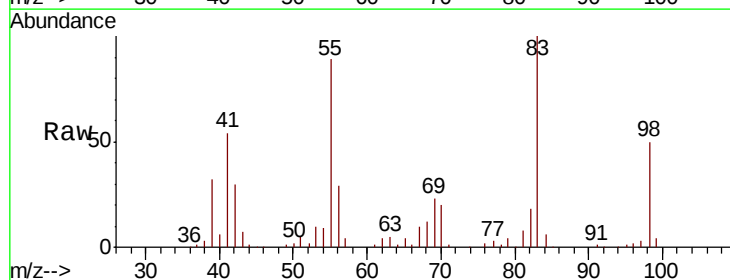
Tgt Ion: 83 Resp: 80926

Ion Ratio Lower Upper

83 100

55 87.4 72.0 108.0

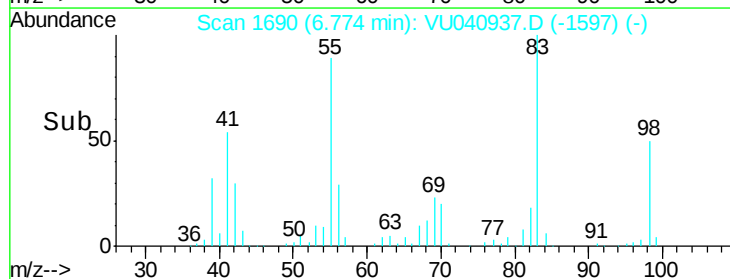
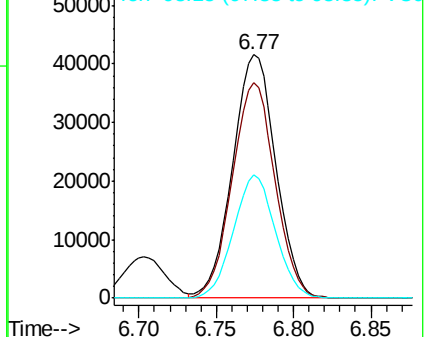
98 48.9 36.6 55.0

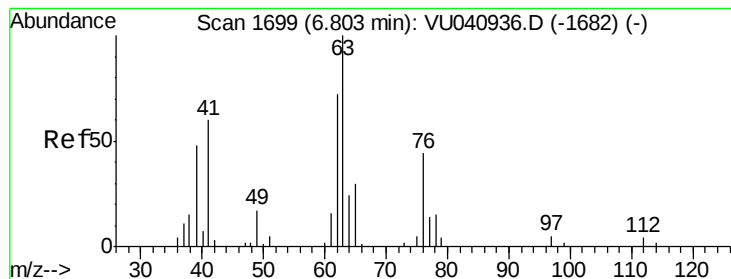


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.563 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

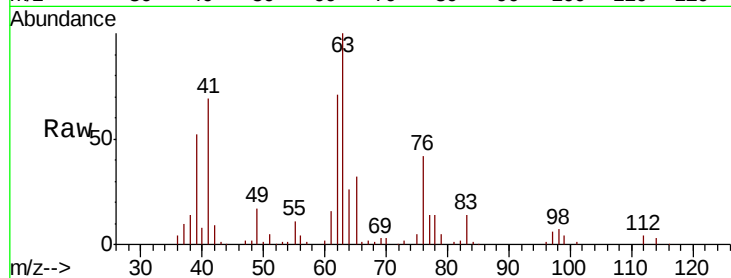
VSTD01004

Tot Ion: 63 Resp: 53111

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU040937.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU040937.D (-1606) (-)

6.80

30000

25000

20000

15000

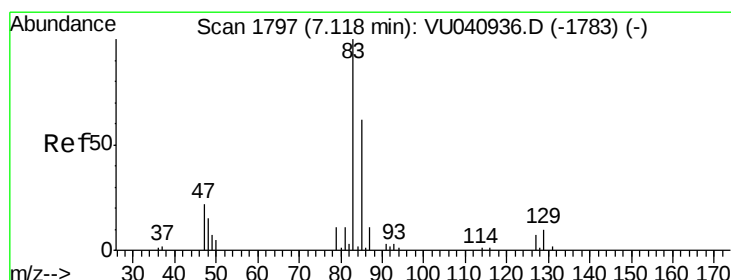
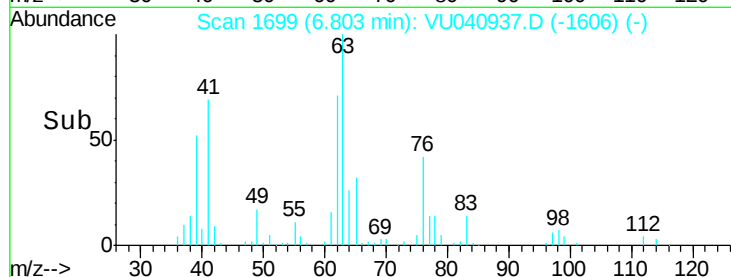
10000

5000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 9.750 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

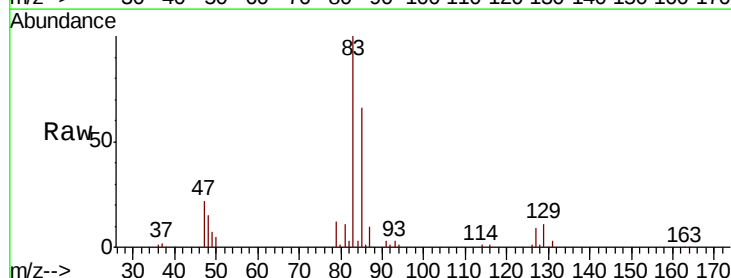
Tgt Ion: 83 Resp: 69192

Ion Ratio Lower Upper

83 100

85 66.0 43.3 80.3

127 8.6 5.9 8.9



Abundance Ion 82.95 (82.65 to 83.65): VU040937.D (-1704) (-)

Ion 85.00 (84.70 to 85.70): VU040937.D (-1704) (-)

Ion 126.90 (126.60 to 127.60): VU040937.D (-1704) (-)

7.11

50000

40000

30000

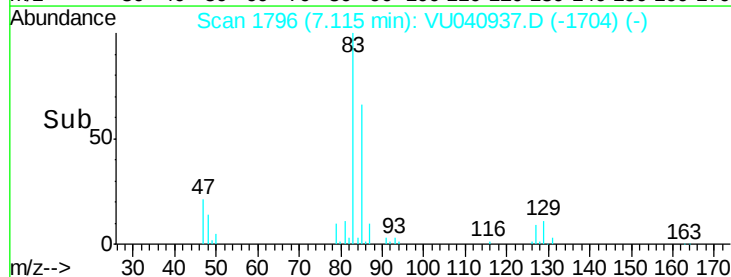
20000

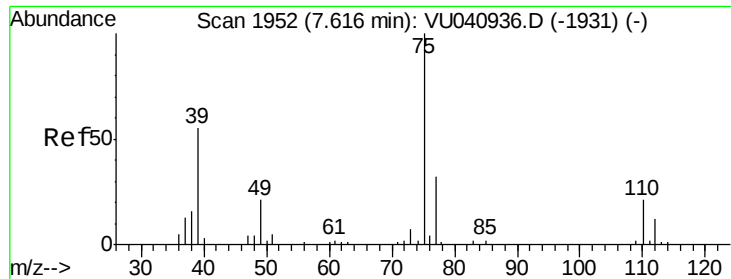
10000

0

7.05 7.10 7.15 7.20

Time-->

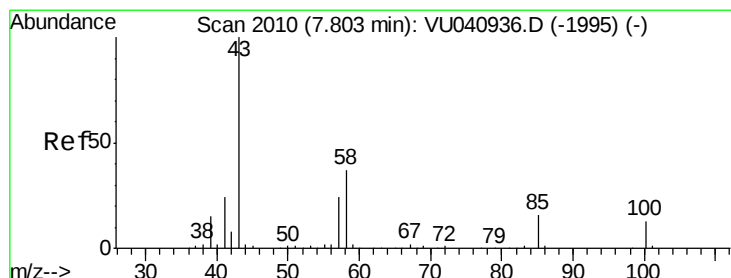
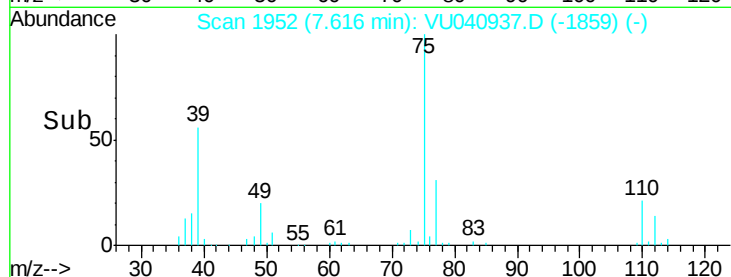
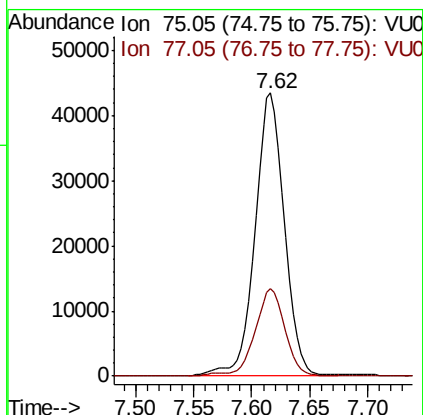
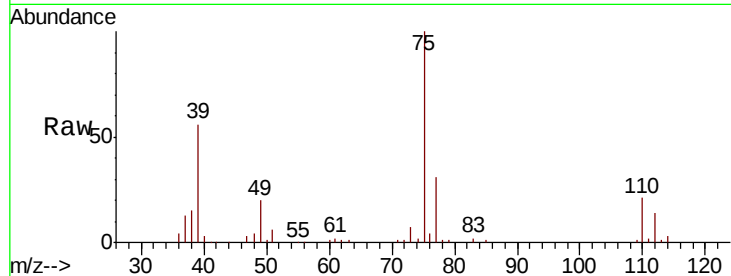




#39
 cis-1,3-Dichloropropene
 Concen: 10.308 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

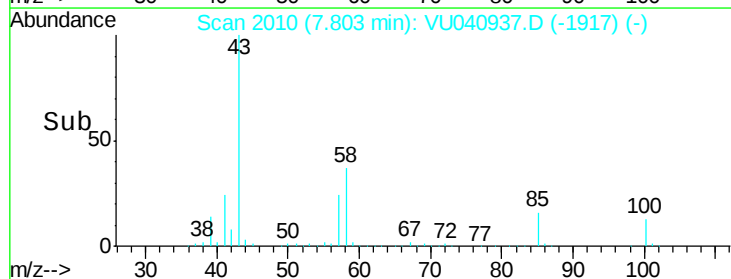
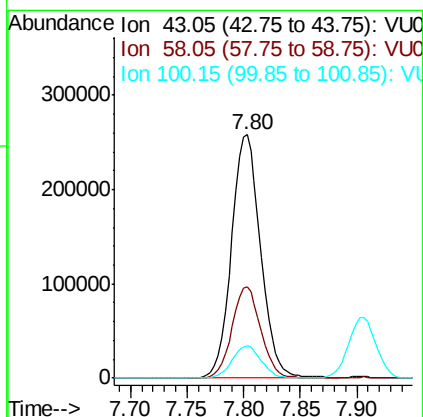
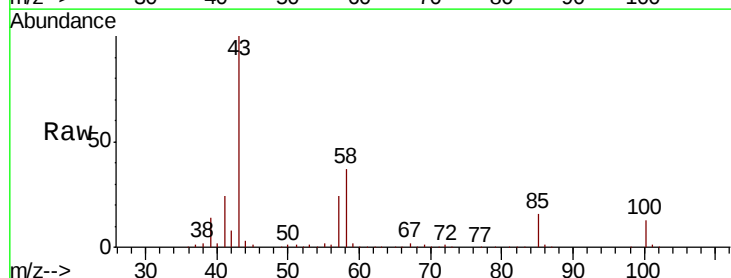
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

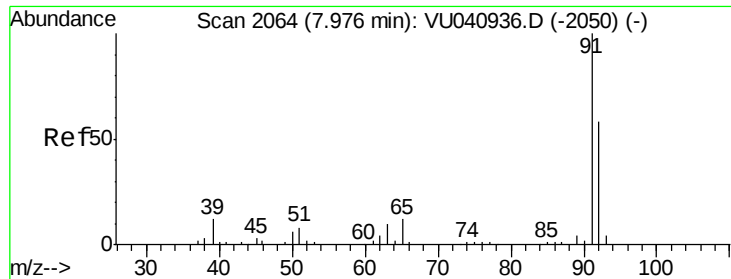
Tot Ion: 75 Resp: 76920
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 119.953 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

Tgt Ion: 43 Resp: 462832
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.8 44.6
 100 13.3 10.5 15.7





#42

Toluene

Concen: 10.072 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

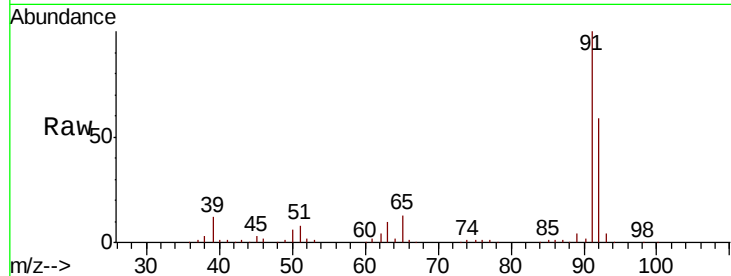
VSTD01004

Tot Ion: 91 Resp: 208260

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040936.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU040936.D (-2050) (-)

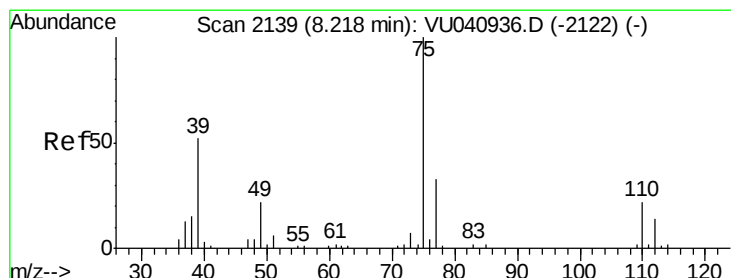
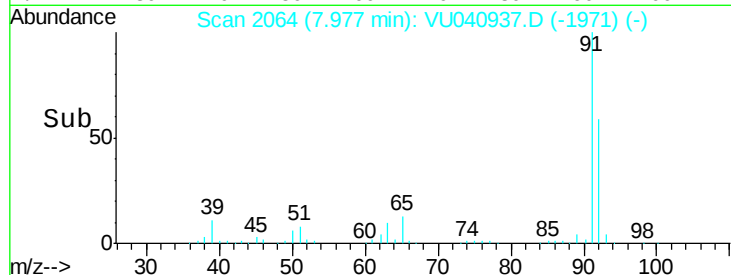
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.612 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040937.D

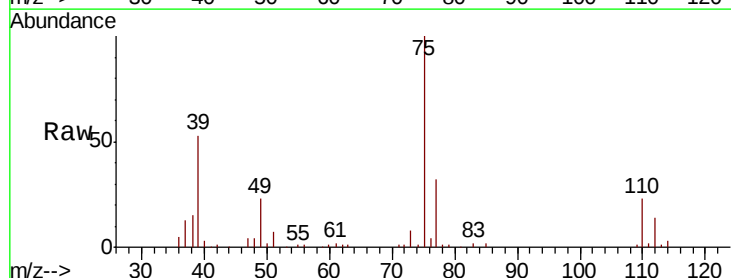
Acq: 26 Oct 2020 11:58

Tgt Ion: 75 Resp: 72190

Ion Ratio Lower Upper

75 100

77 32.0 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU040936.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU040936.D (-2122) (-)

8.22

50000

40000

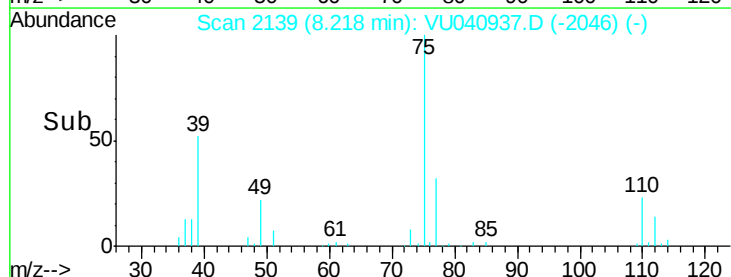
30000

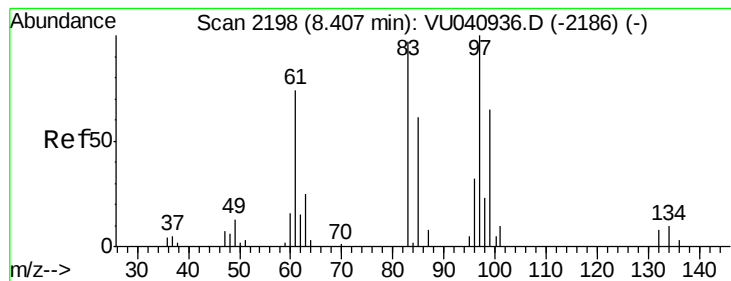
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 10.391 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

Tot Ion: 97 Resp: 39740

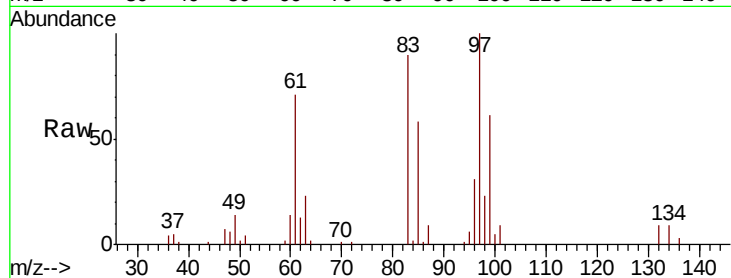
Ion Ratio Lower Upper

97 100

99 60.9 45.8 85.2

83 90.2 67.9 126.1

85 57.8 42.8 79.6

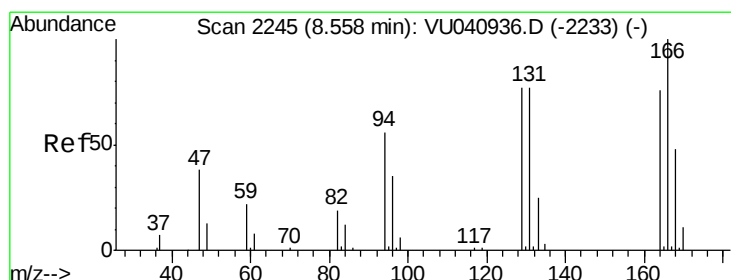
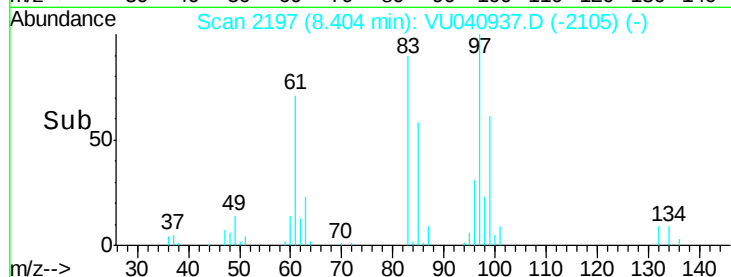
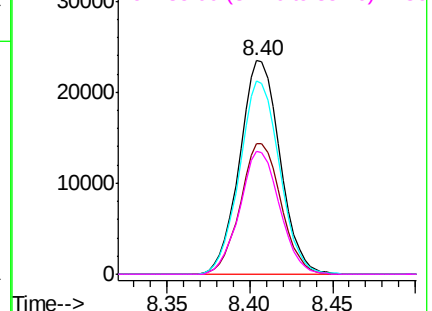


Abundance Ion 96.95 (96.65 to 97.65): VU040937.D (-2198) (-)

Ion 99.05 (98.75 to 99.75): VU040937.D (-2198) (-)

Ion 82.95 (82.65 to 83.65): VU040937.D (-2198) (-)

Ion 85.00 (84.70 to 85.70): VU040937.D (-2198) (-)



#47

Tetrachloroethene

Concen: 9.396 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Tgt Ion: 164 Resp: 36566

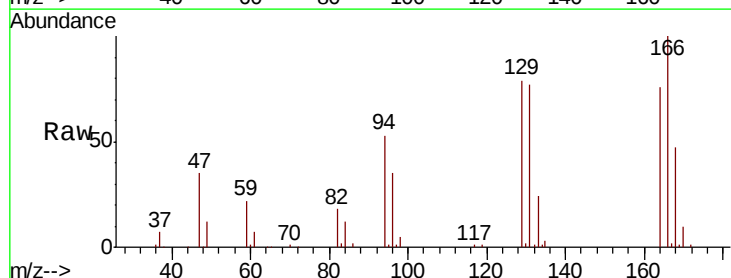
Ion Ratio Lower Upper

164 100

129 104.2 70.3 130.7

131 100.9 70.8 131.4

166 131.9 92.0 170.8

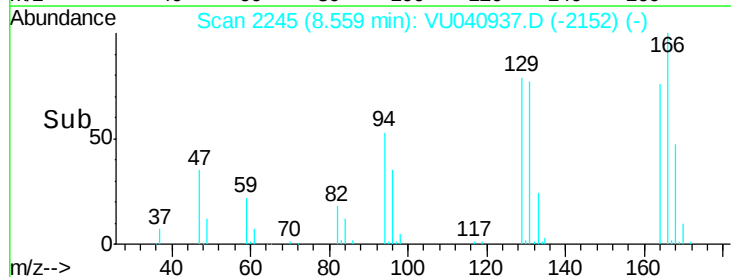
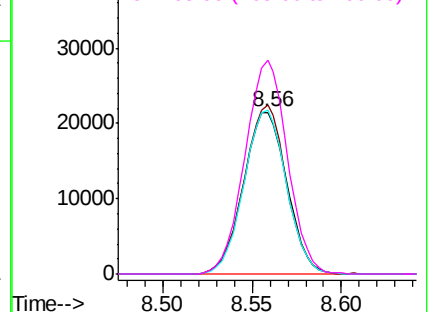


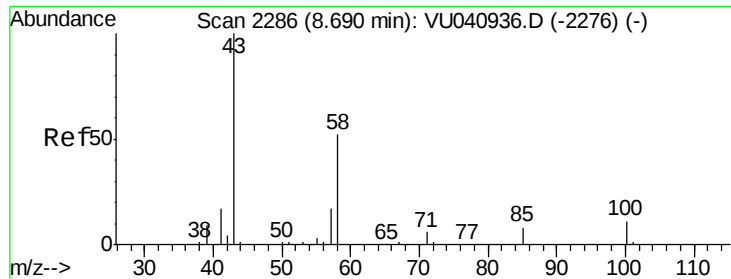
Abundance Ion 163.90 (163.60 to 164.60): VU040937.D (-2245) (-)

Ion 128.95 (128.65 to 129.65): VU040937.D (-2245) (-)

Ion 130.95 (130.65 to 131.65): VU040937.D (-2245) (-)

Ion 165.90 (165.60 to 166.60): VU040937.D (-2245) (-)

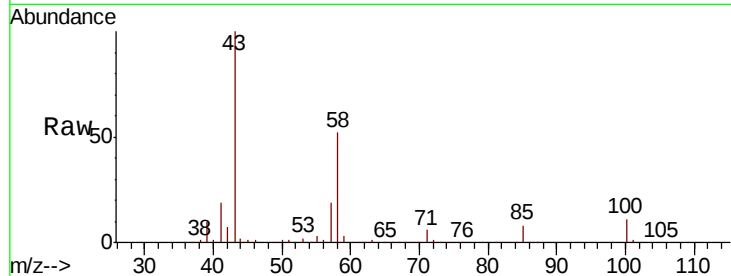




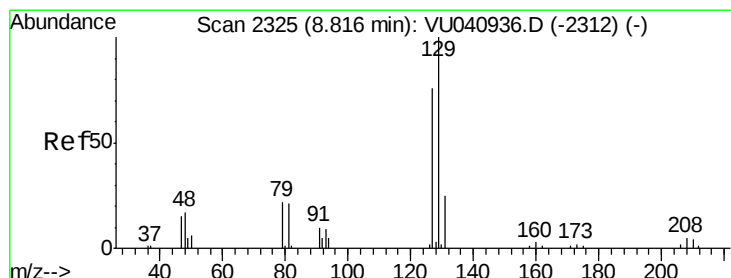
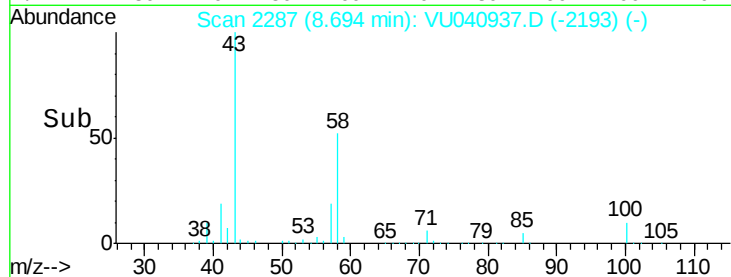
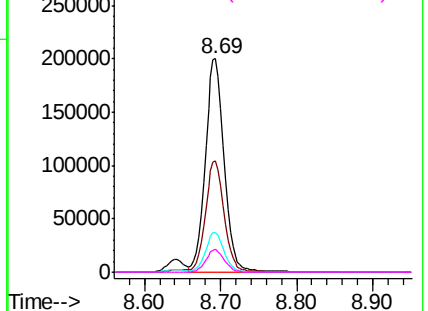
#48
2-Hexanone
Concen: 121.634 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 43 Resp: 344782
Ion Ratio Lower Upper
43 100
58 52.2 41.4 62.2
57 18.1 14.6 21.8
100 10.5 8.3 12.5

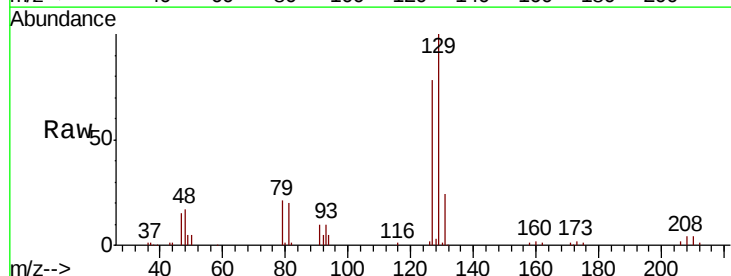


Abundance Ion 43.05 (42.75 to 43.75): VU040937.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040937.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040937.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040937.D (-2193) (-)

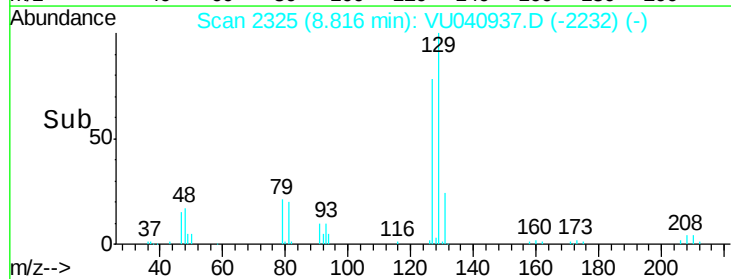
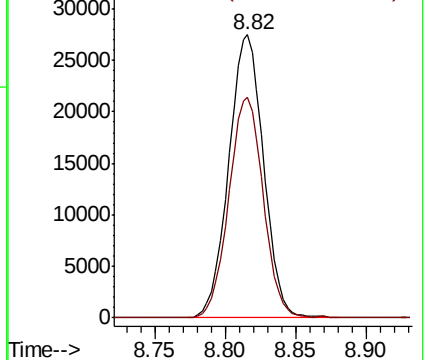


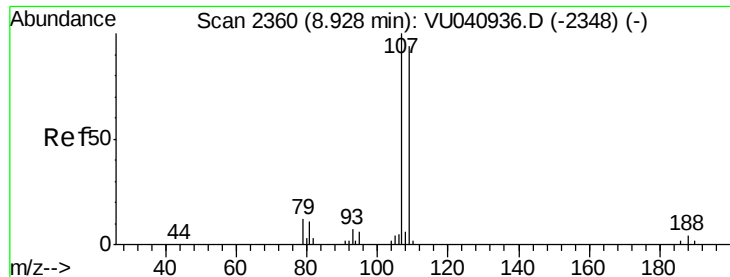
#49
Dibromochloromethane
Concen: 10.387 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Tgt Ion: 129 Resp: 47347
Ion Ratio Lower Upper
129 100
127 77.8 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU040937.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040937.D (-2232) (-)

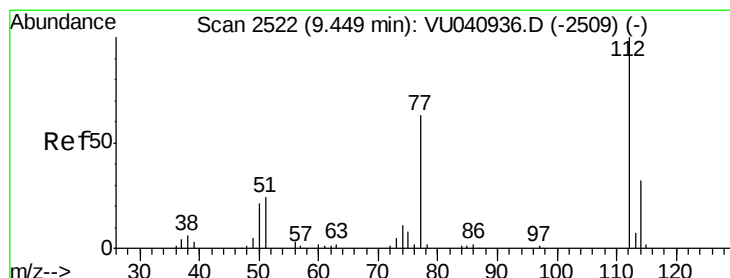
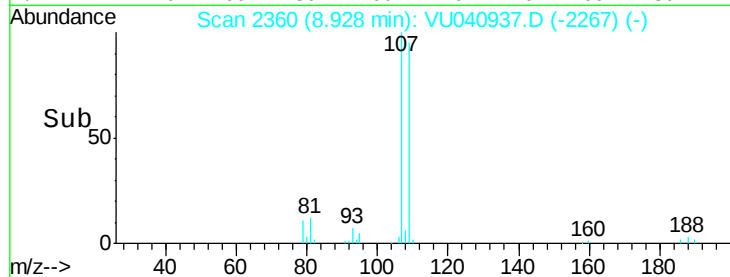
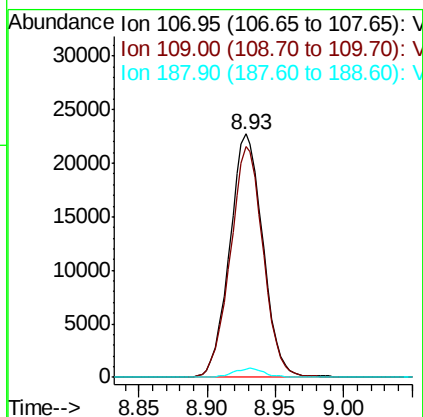
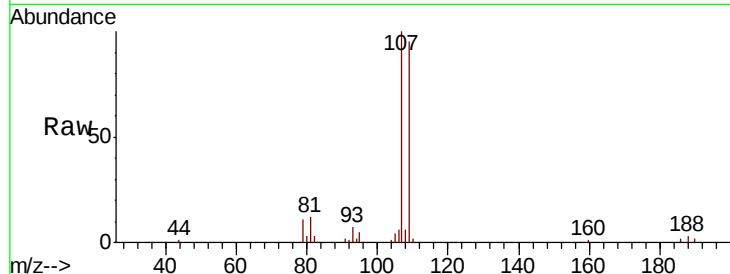




#50
1,2-Dibromoethane
Concen: 10.703 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

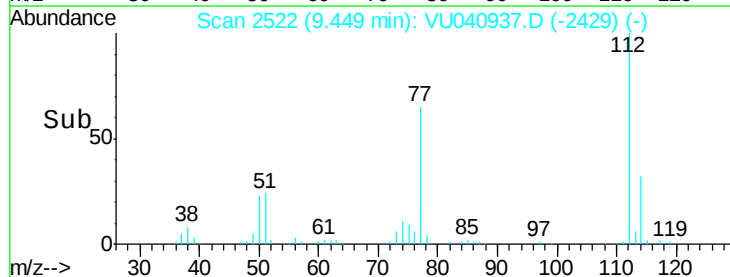
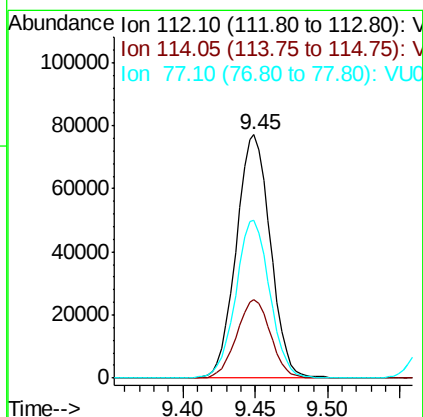
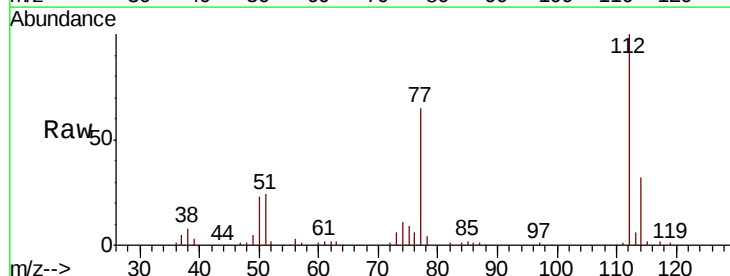
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

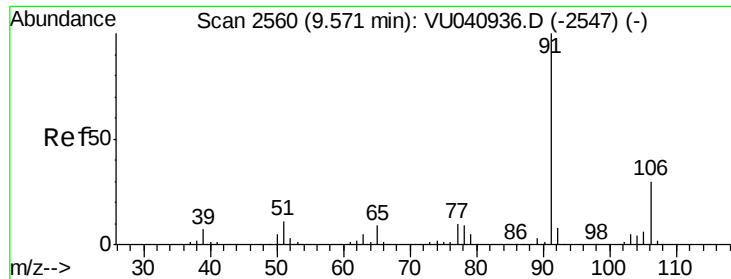
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.6	121.8
188	3.4	2.9	4.3



#51
Chlorobenzene
Concen: 9.484 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.4	41.6
77	64.6	51.2	76.8





#52

Ethylbenzene

Concen: 10.217 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

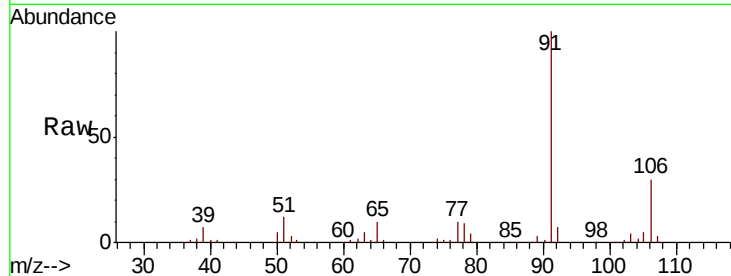
VSTD01004

Tot Ion: 91 Resp: 227221

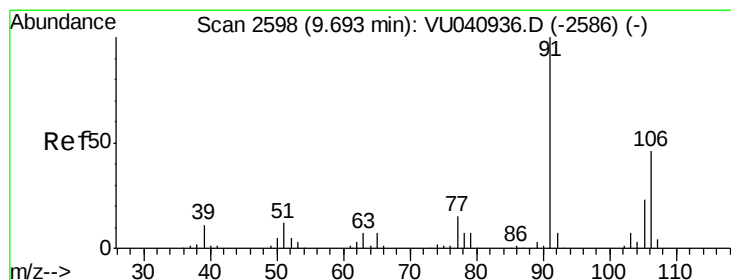
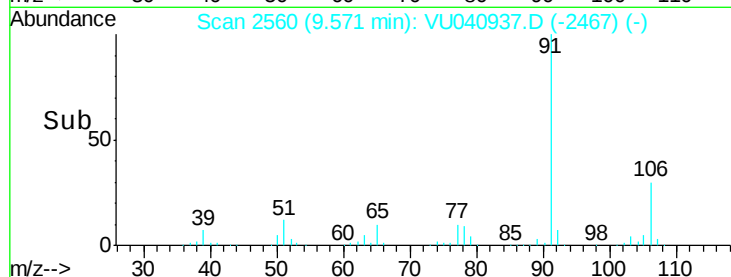
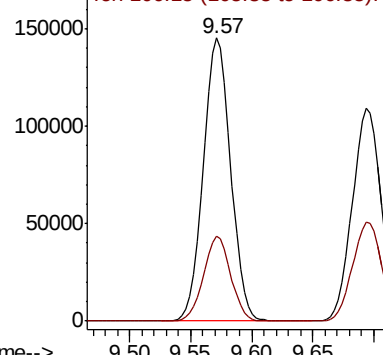
Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040937.D (-2547) (-)



#53

m,p-Xylene

Concen: 10.593 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040937.D

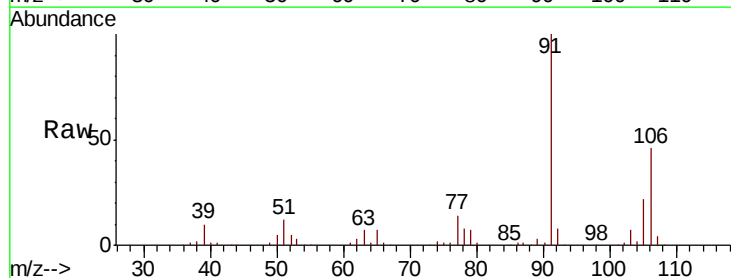
Acq: 26 Oct 2020 11:58

Tgt Ion: 106 Resp: 84438

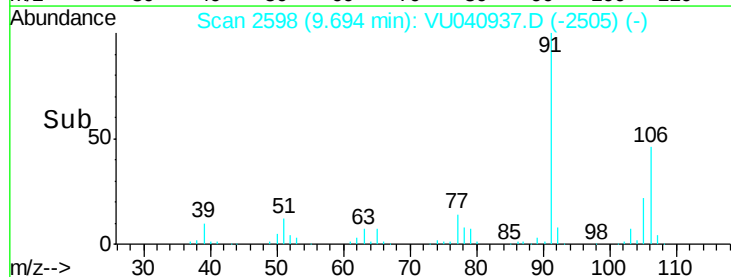
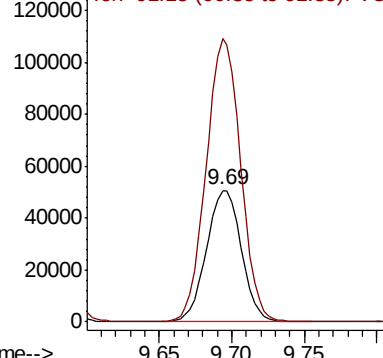
Ion Ratio Lower Upper

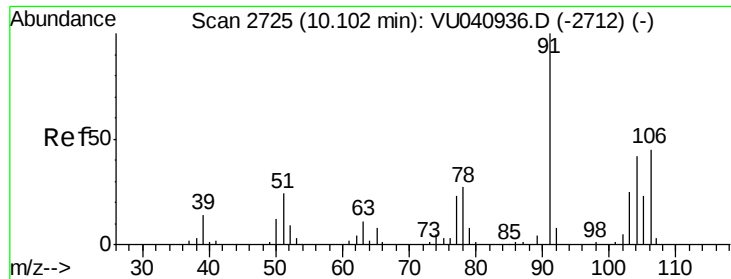
106 100

91 215.3 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040937.D (-2598) (-)

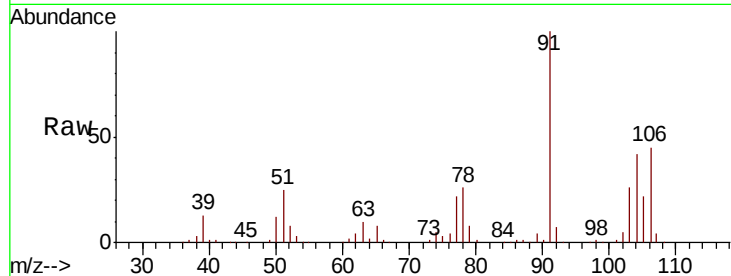




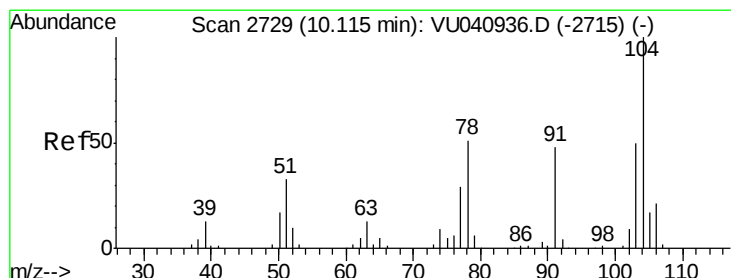
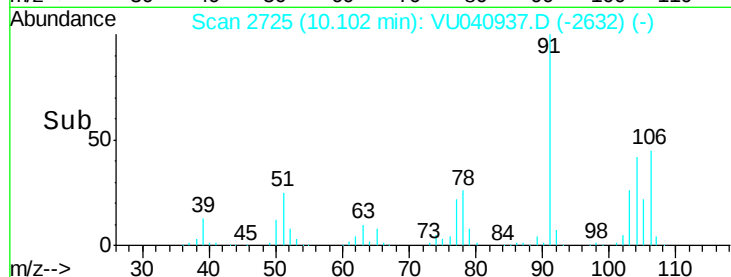
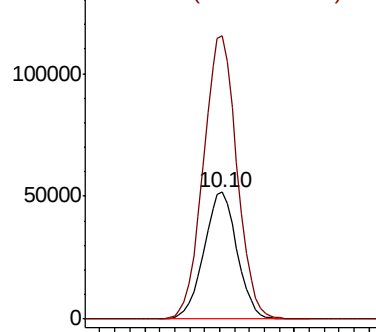
#54
o-Xylene
Concen: 10.509 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion:106 Resp: 79735
Ion Ratio Lower Upper
106 100
91 223.4 154.3 286.5

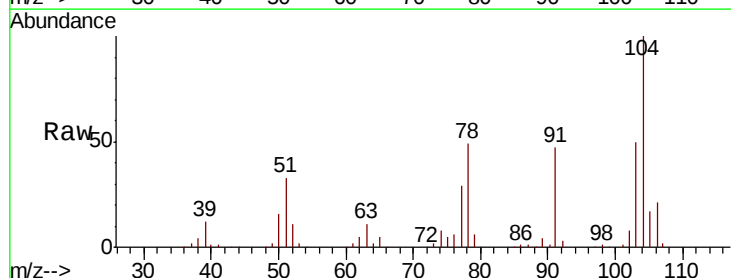


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

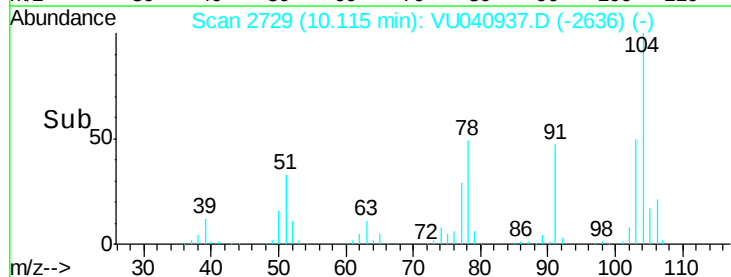
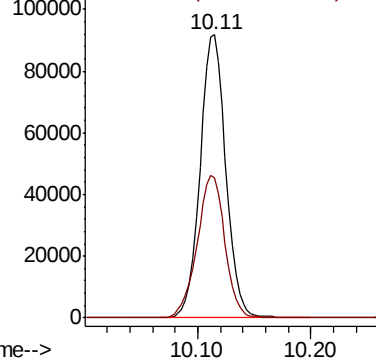


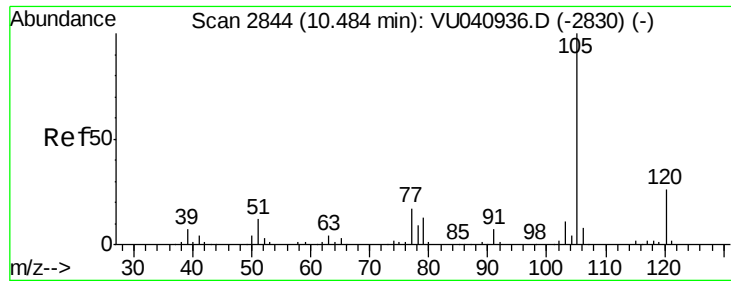
#55
Styrene
Concen: 10.961 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040937.D
Acq: 26 Oct 2020 11:58

Tgt Ion:104 Resp: 144947
Ion Ratio Lower Upper
104 100
78 49.4 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: 10.558 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

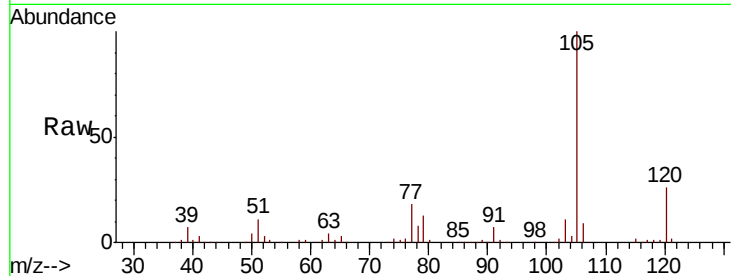
Tot Ion:105 Resp: 213463

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

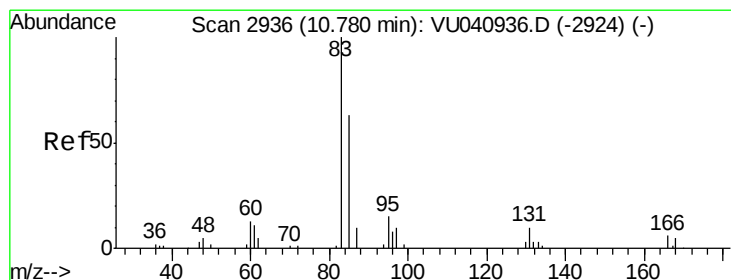
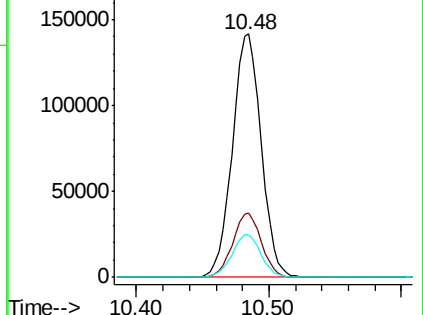
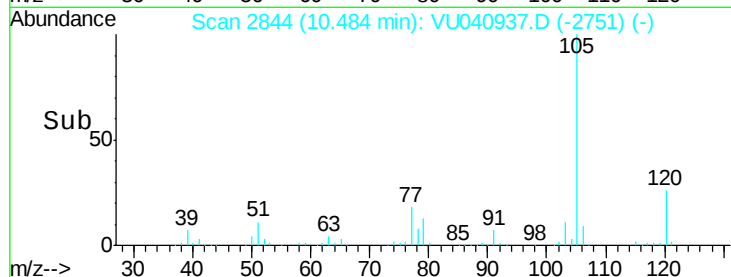
77 17.7 13.8 20.6



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: 10.740 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

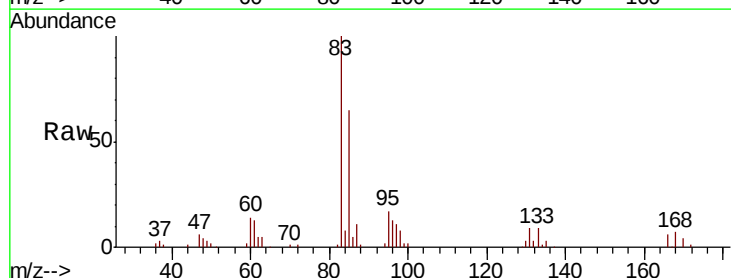
Tgt Ion: 83 Resp: 52972

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4

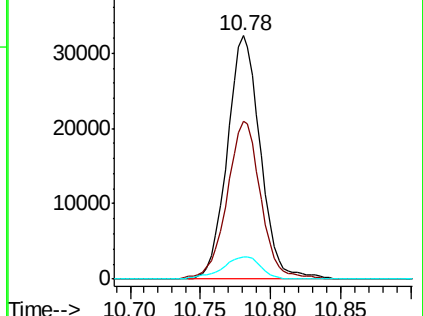
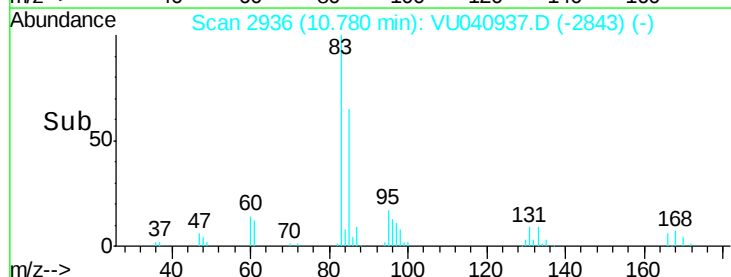
131 9.3 7.7 11.5

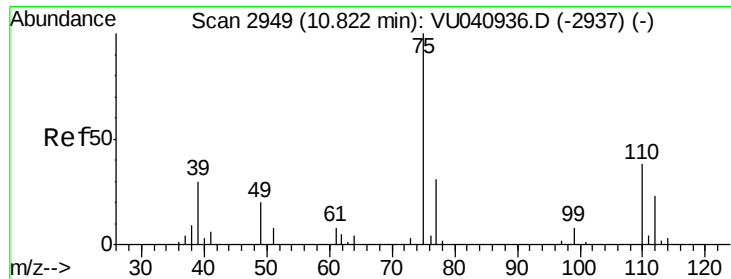


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.707 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

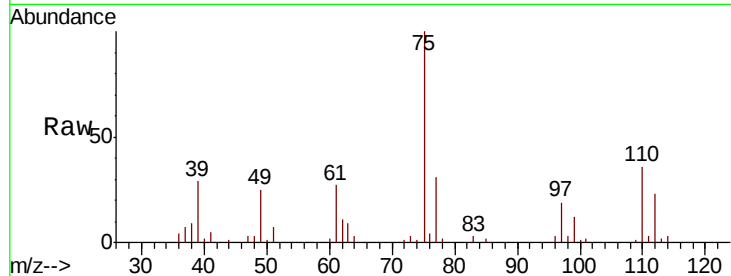
VSTD01004

Tot Ion: 75 Resp: 39744

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040937.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040937.D (-2937) (-)

10.82

25000

20000

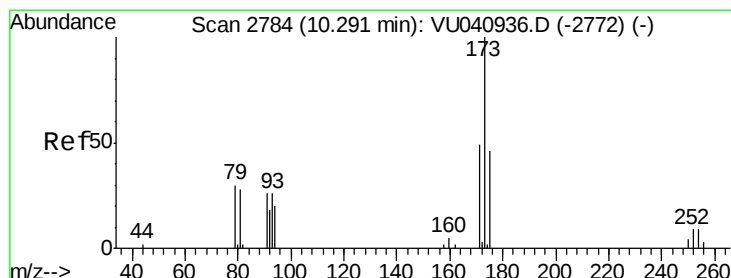
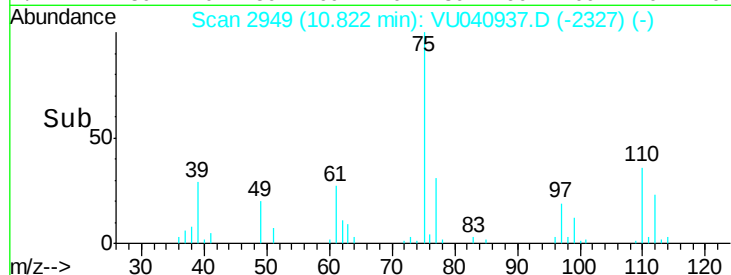
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 10.430 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

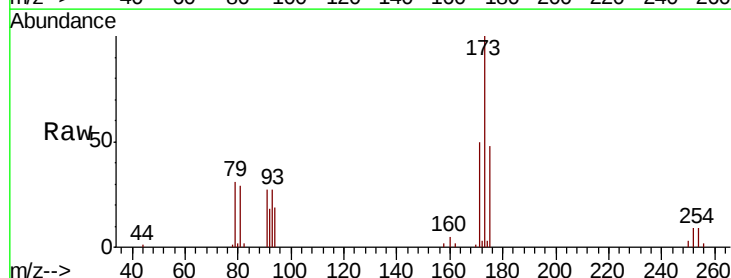
Tgt Ion: 173 Resp: 26265

Ion Ratio Lower Upper

173 100

175 46.9 37.6 56.4

254 8.5 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU040937.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU040937.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU040937.D (-2691) (-)

10.29

20000

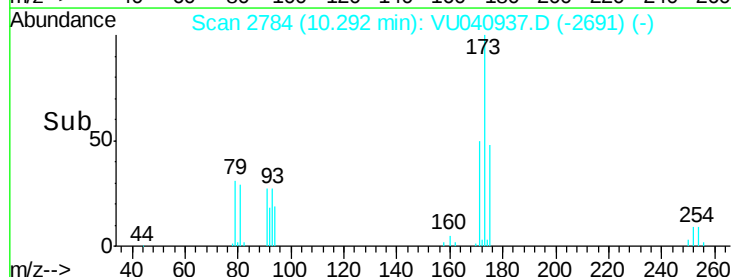
15000

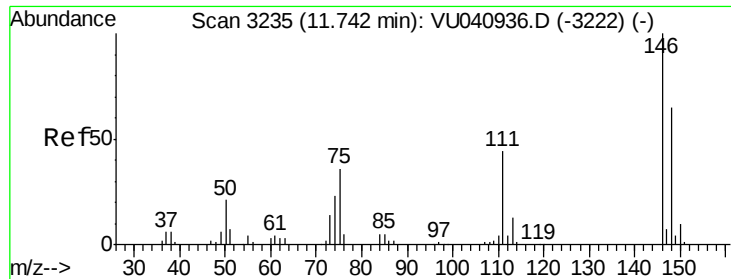
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.423 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

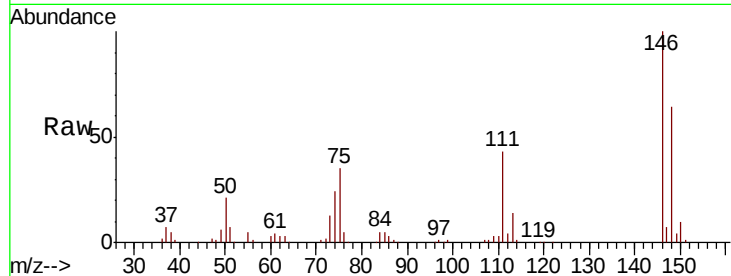
Tot Ion:146 Resp: 99498

Ion Ratio Lower Upper

146 100

111 43.1 30.9 57.3

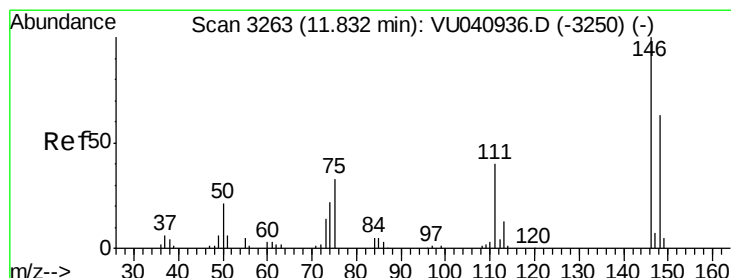
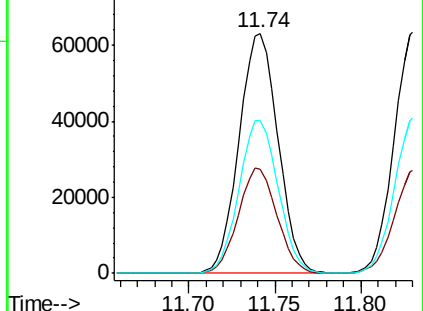
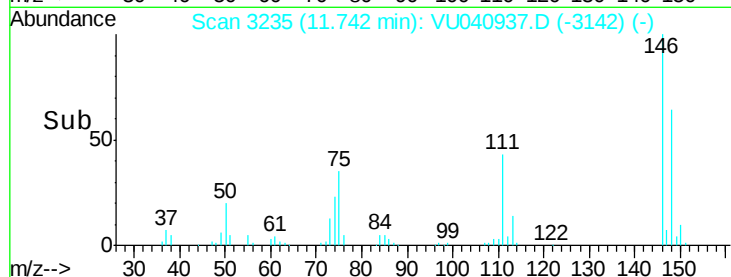
148 63.6 45.8 85.2



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: 9.302 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

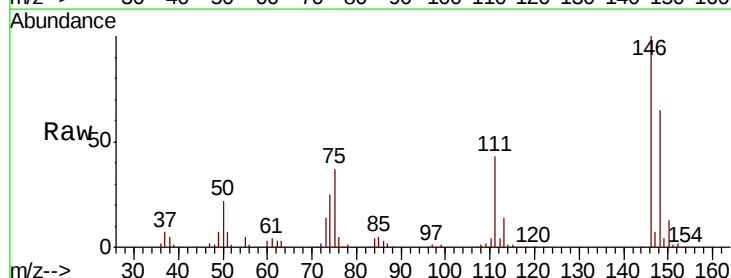
Tgt Ion:146 Resp: 101310

Ion Ratio Lower Upper

146 100

111 42.5 28.3 52.7

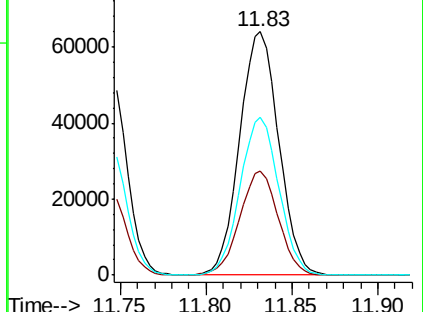
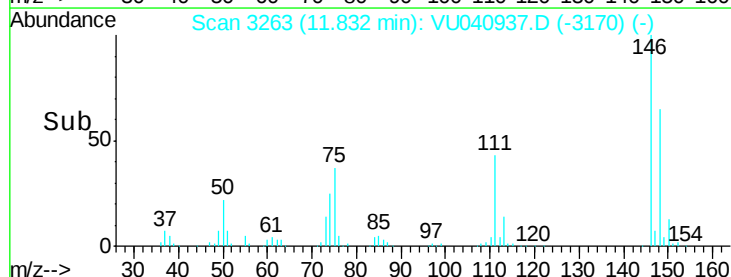
148 65.0 44.2 82.2

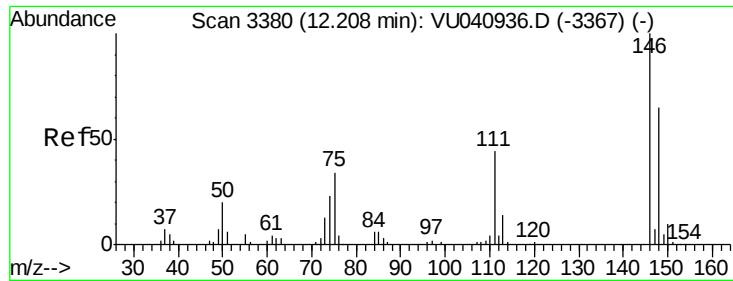


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.733 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

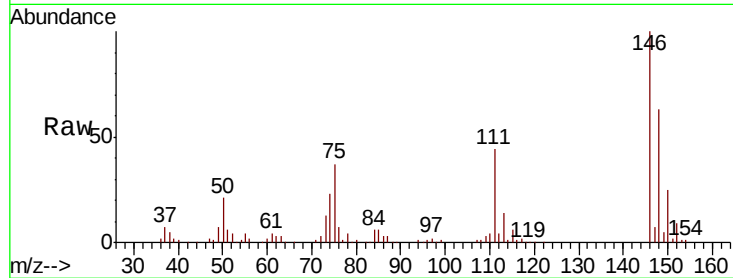
Tot Ion:146 Resp: 97202

Ion Ratio Lower Upper

146 100

111 44.5 35.0 52.6

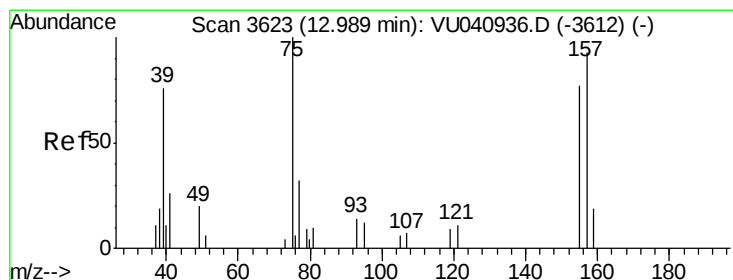
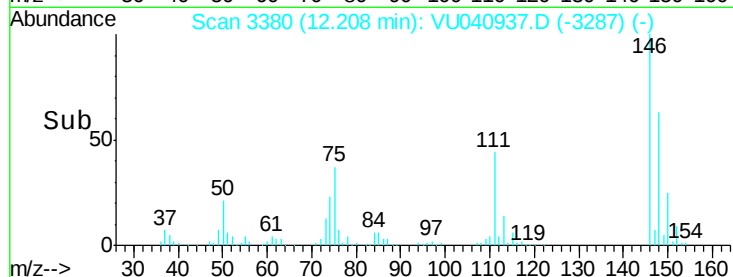
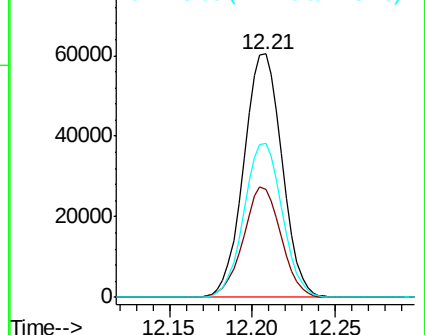
148 63.0 52.0 78.0



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: 9.929 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

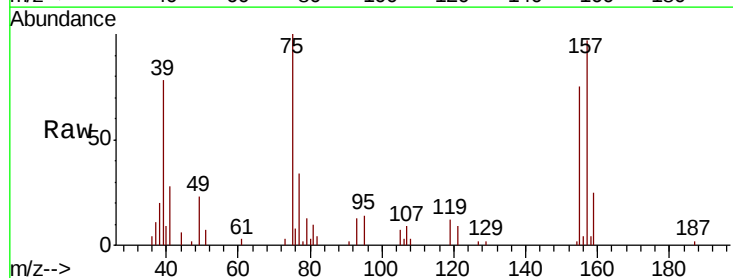
Tgt Ion: 75 Resp: 9469

Ion Ratio Lower Upper

75 100

155 75.1 61.4 92.2

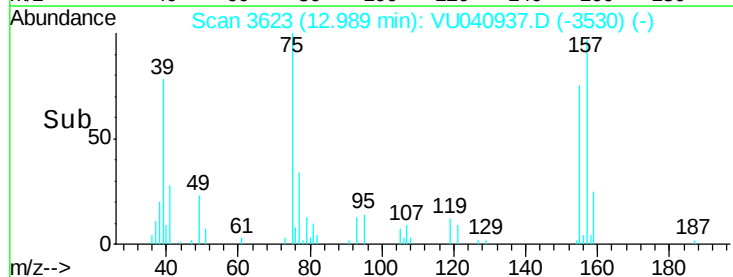
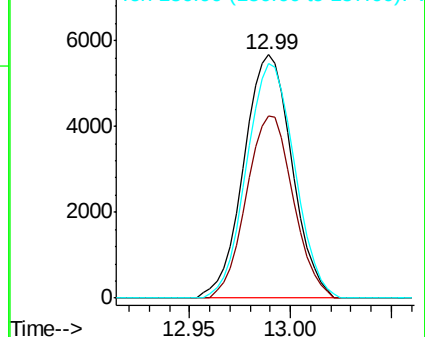
157 96.5 74.2 111.4

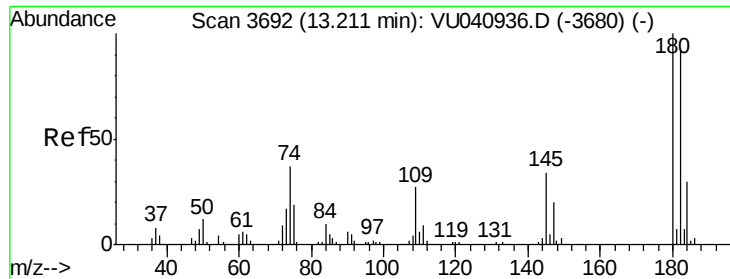


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

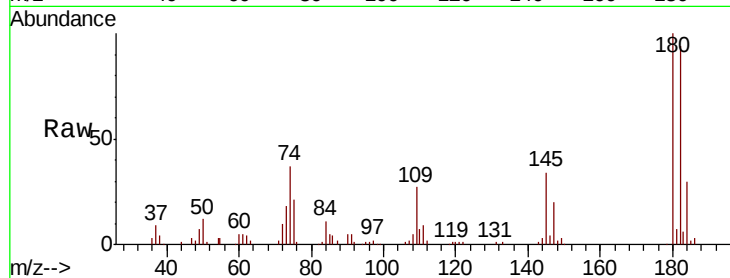




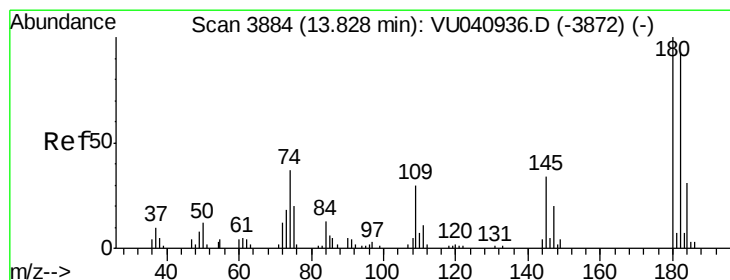
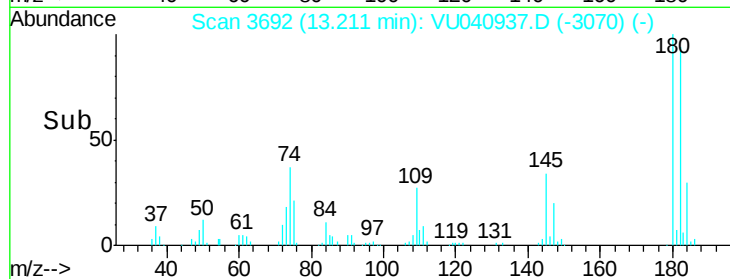
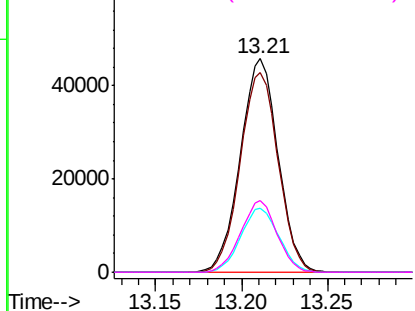
#67
 1,3,5-Trichlorobenzene
 Concen: 9.013 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion:180 Resp: 69877
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 184 30.2 23.7 35.5
 145 32.1 26.1 39.1

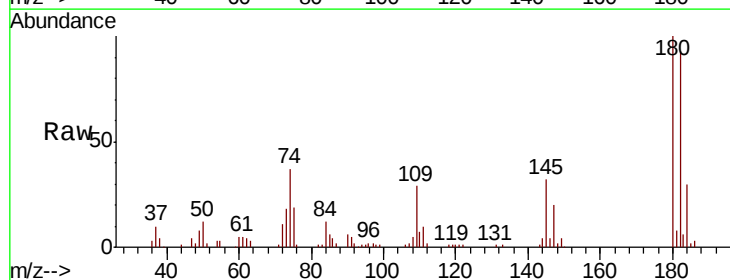


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

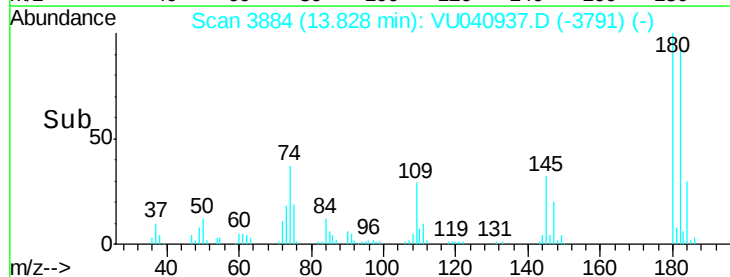
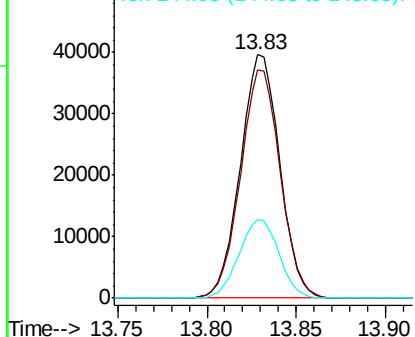


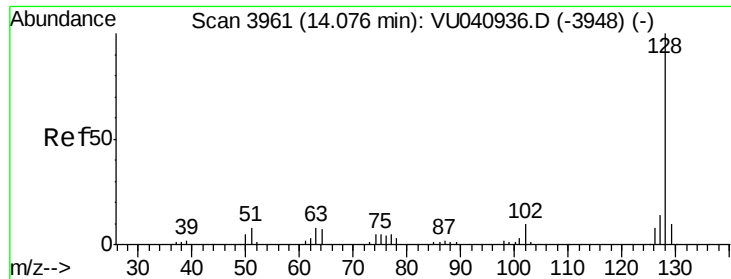
#68
 1,2,4-trichlorobenzene
 Concen: 9.362 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040937.D
 Acq: 26 Oct 2020 11:58

Tgt Ion:180 Resp: 60906
 Ion Ratio Lower Upper
 180 100
 182 94.5 73.5 110.3
 145 32.6 26.6 40.0



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: 10.315 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

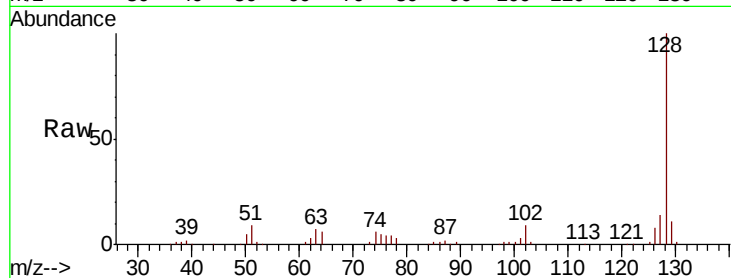
Tot Ion:128 Resp: 122661

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

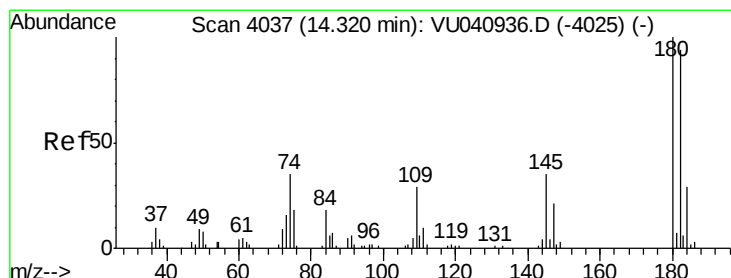
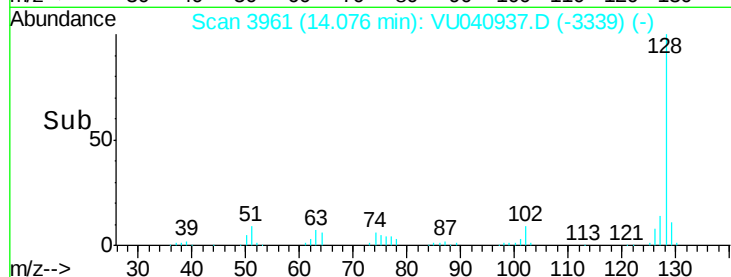
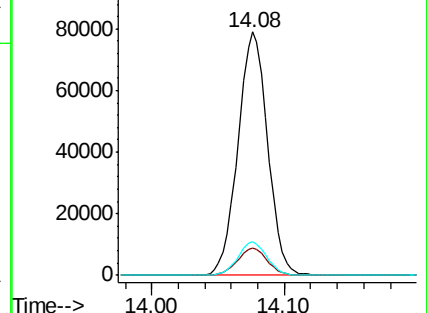
127 13.3 10.8 16.2



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: 9.399 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040937.D

Acq: 26 Oct 2020 11:58

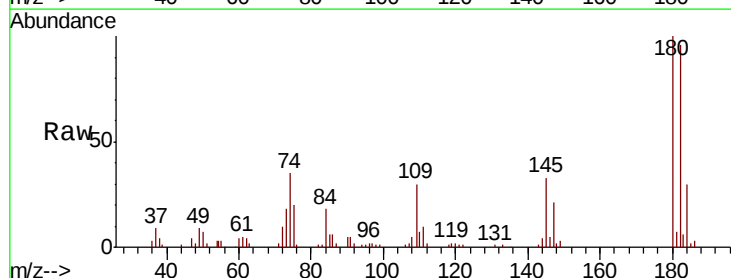
Tgt Ion:180 Resp: 59081

Ion Ratio Lower Upper

180 100

182 95.6 77.7 116.5

145 35.2 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

