

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122820\
 Data File : VU041823.D
 Acq On : 28 Dec 2020 11:49
 Operator : SY/MD
 Sample : VSTD02032
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

Quant Time: Dec 29 00:36:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 00:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	170187	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	164999	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	90890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	272994	22.24	ug/L	0.00
7) Chloroethane-d5	1.92	69	251202	25.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.57	65	132208	22.33	ug/L	0.00
20) 2-Butanone-d5	4.66	46	832326	226.49	ug/L	0.00
24) Chloroform-d	5.08	84	505421	19.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	274288	16.91	ug/L	0.00
32) Benzene-d6	5.74	84	1022579	24.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	318100	24.16	ug/L	0.00
41) Toluene-d8	7.90	98	951076	23.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	141117	21.54	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	782915	291.22	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	289999	23.81	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	365549	22.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	311087	17.327 ug/L	99
3) Chloromethane	1.52	50	274718	19.678 ug/L	100
5) Vinyl chloride	1.61	62	346120	22.815 ug/L	98
6) Bromomethane	1.86	94	234467	25.692 ug/L	99
8) Chloroethane	1.94	64	219783	21.686 ug/L	99
9) Trichlorofluoromethane	2.14	101	477456	18.120 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	270859	21.413 ug/L	98
12) 1,1-Dichloroethene	2.59	96	268577	24.413 ug/L	98
13) Acetone	2.67	43	522915	193.053 ug/L #	42
14) Carbon disulfide	2.80	76	891598	26.657 ug/L	99
15) Methyl Acetate	2.97	43	121107	21.188 ug/L	98
16) Methylene chloride	3.06	84	270553	19.694 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	655738	20.214 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	257280	22.556 ug/L	97
19) 1,1-Dichloroethane	3.89	63	437738	19.234 ug/L	99
21) 2-Butanone	4.74	43	785538	206.344 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	281885	23.037 ug/L	96
23) Bromochloromethane	4.99	128	135243	22.233 ug/L	98
25) Chloroform	5.11	83	463562	18.137 ug/L	99
27) 1,2-Dichloroethane	5.81	62	309901	16.577 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	408559	18.096 ug/L	99
30) Cyclohexane	5.40	56	423116	25.078 ug/L	97
31) Carbon tetrachloride	5.54	117	377067	18.529 ug/L	99
33) Benzene	5.79	78	1067070	22.794 ug/L	100
34) Trichloroethene	6.55	95	275419	21.510 ug/L	98
35) Methylcyclohexane	6.77	83	465053	25.653 ug/L	99
37) 1,2-Dichloropropane	6.80	63	262933	22.028 ug/L	100
38) Bromodichloromethane	7.11	83	346405	19.140 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	428833	23.301 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	1812679	213.386 ug/L	99

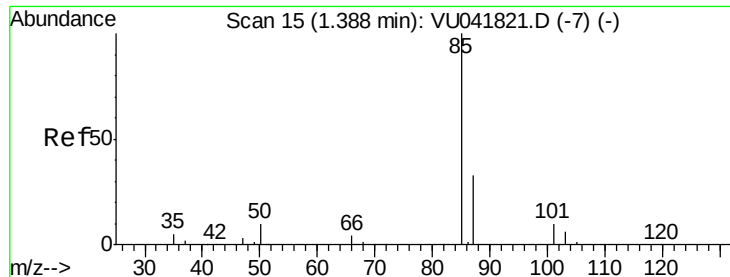
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	1154013	22.927	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	385811	21.642	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	207103	21.883	ug/L	97
47) Tetrachloroethene	8.56	164	215364	22.419	ug/L	97
48) 2-Hexanone	8.69	43	1288975	201.877	ug/L	98
49) Dibromochloromethane	8.82	129	257940	20.577	ug/L	97
50) 1,2-Dibromoethane	8.93	107	208073	22.533	ug/L #	100
51) Chlorobenzene	9.45	112	731220	22.355	ug/L	99
52) Ethylbenzene	9.57	91	1240740	22.231	ug/L	99
53) m,p-Xylene	9.69	106	488705	23.979	ug/L	99
54) o-Xylene	10.10	106	471456	23.843	ug/L	97
55) Styrene	10.11	104	819698	23.681	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	274997	22.318	ug/L	100
59) Bromoform	10.29	173	163130	22.042	ug/L	99
60) Isopropylbenzene	10.48	105	1248595	22.323	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	205376	20.920	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	1079576	22.665	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	1097827	22.739	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	585032	21.095	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	584089	20.824	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	582754	21.328	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	50132	19.351	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	455285	21.647	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	377795	21.970	ug/L	99
71) Naphthalene	14.07	128	773754	27.042	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	354828	22.834	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 17.327 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

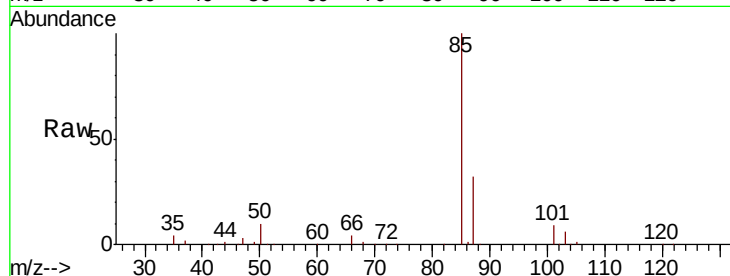
VSTD020326

Tot Ion: 85 Resp: 311087

Ion Ratio Lower Upper

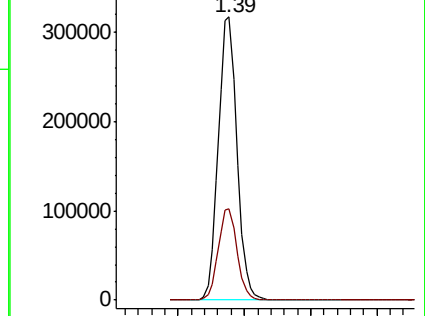
85 100

87 32.5 26.3 39.5

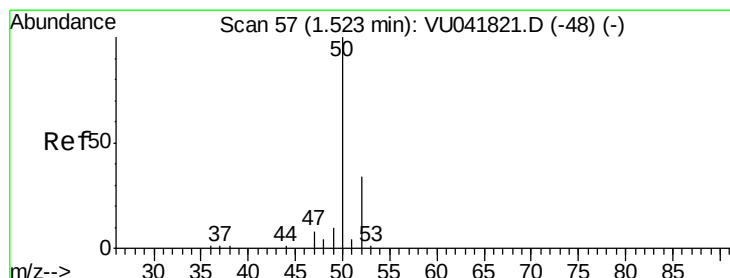
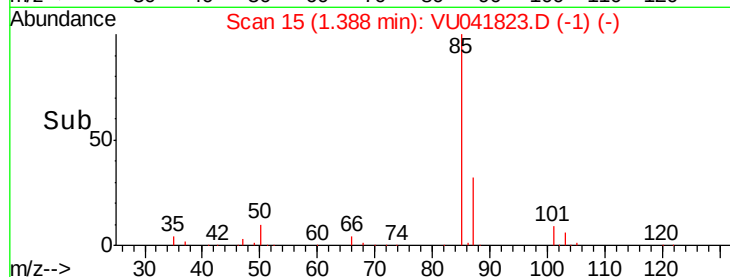


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 19.678 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041823.D

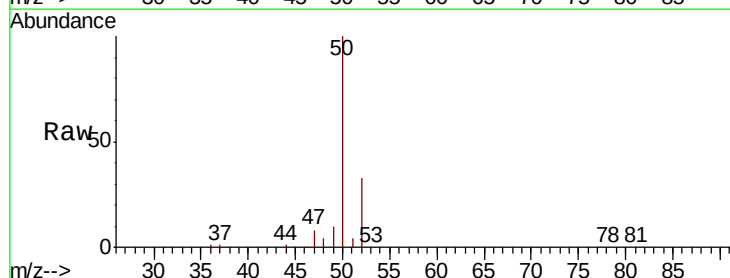
Acq: 28 Dec 2020 11:49

Tgt Ion: 50 Resp: 274718

Ion Ratio Lower Upper

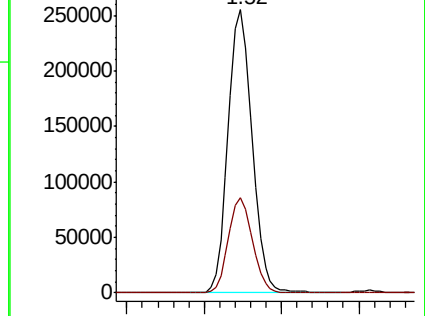
50 100

52 33.5 23.6 43.8

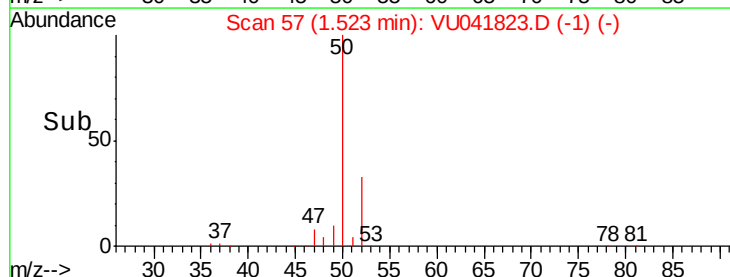


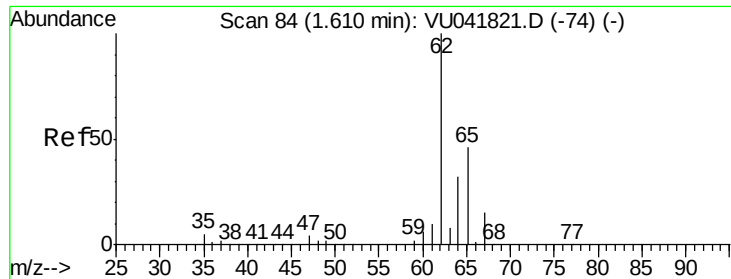
Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->





#5

Vinyl chloride

Concen: 22.815 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

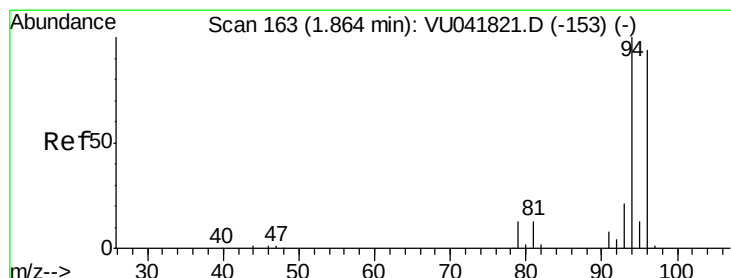
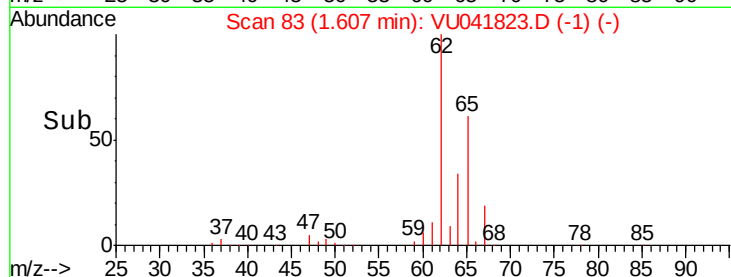
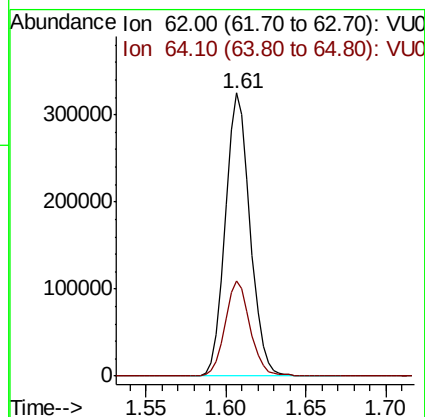
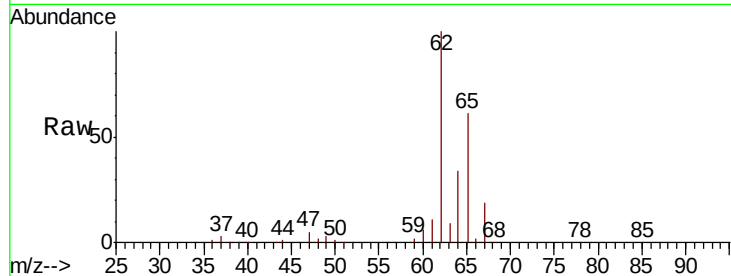
VSTD020326

Tot Ion: 62 Resp: 346120

Ion Ratio Lower Upper

62 100

64 33.7 22.8 42.4



#6

Bromomethane

Concen: 25.692 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041823.D

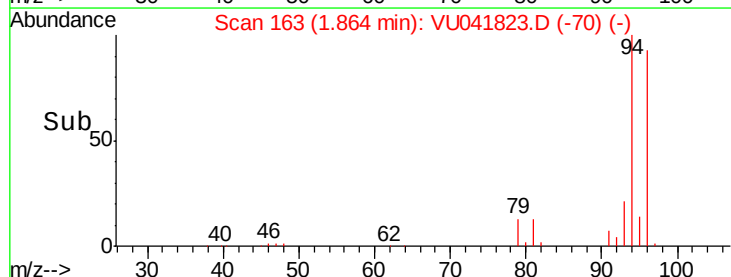
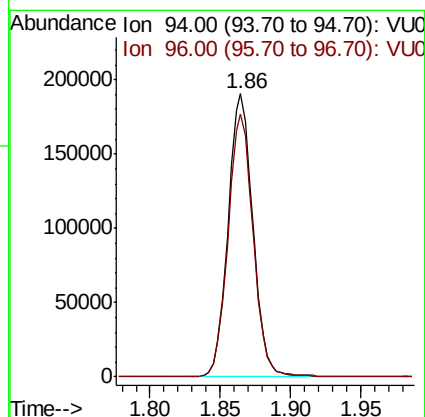
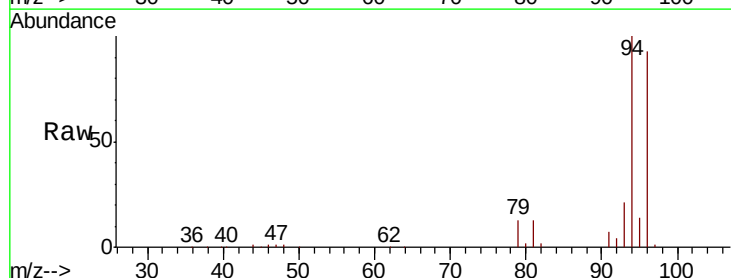
Acq: 28 Dec 2020 11:49

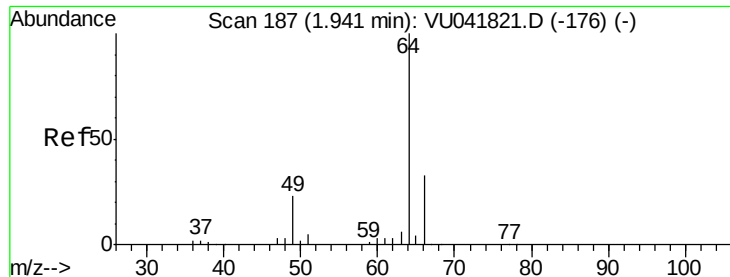
Tgt Ion: 94 Resp: 234467

Ion Ratio Lower Upper

94 100

96 93.0 66.1 122.7

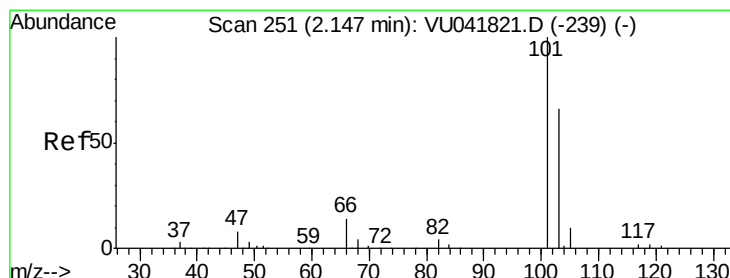
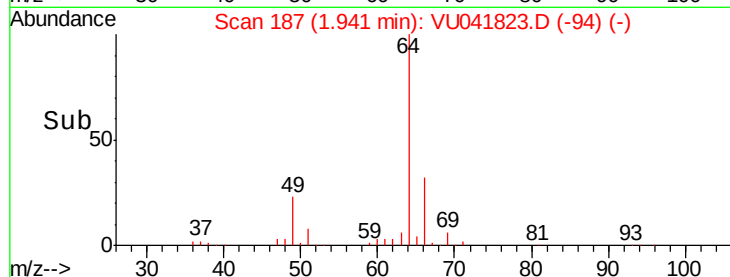
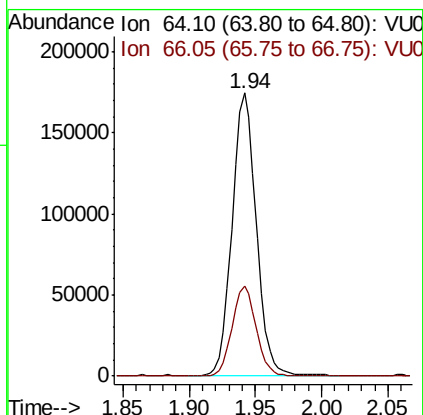
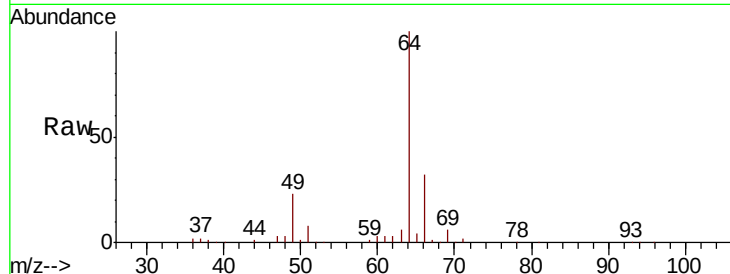




#8
Chloroethane
Concen: 21.686 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

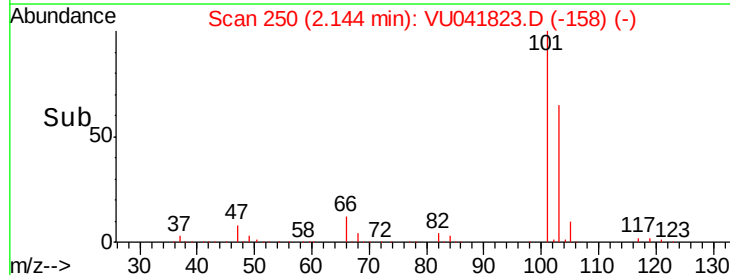
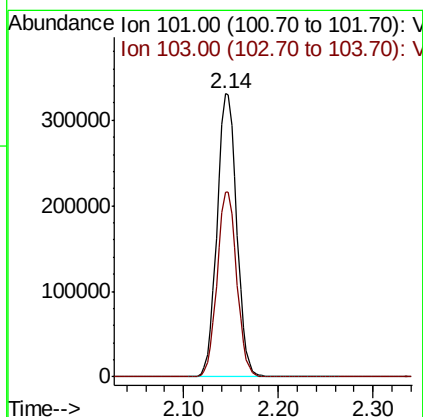
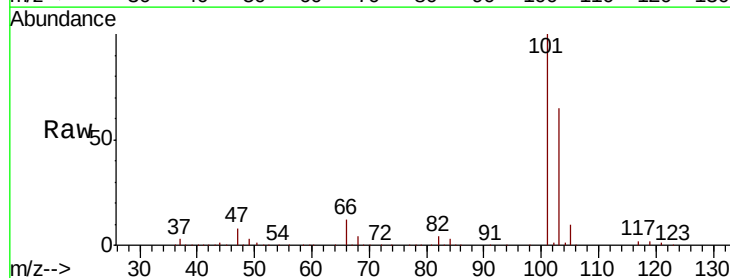
Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

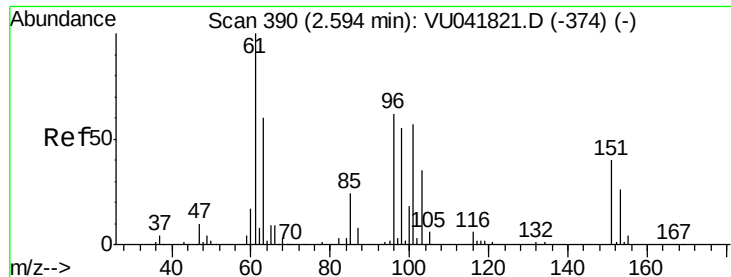
Tot Ion: 64 Resp: 219783
Ion Ratio Lower Upper
64 100
66 31.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 18.120 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion: 101 Resp: 477456
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

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

Concen: 21.413 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD020326

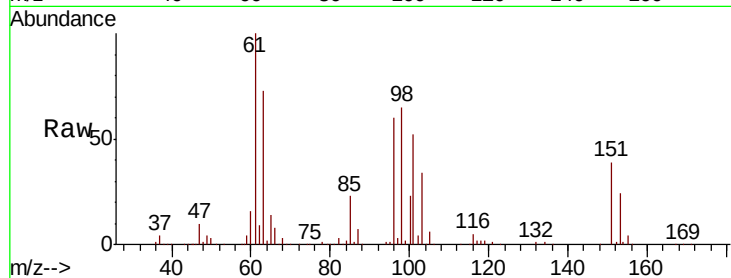
Tot Ion:101 Resp: 270859

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

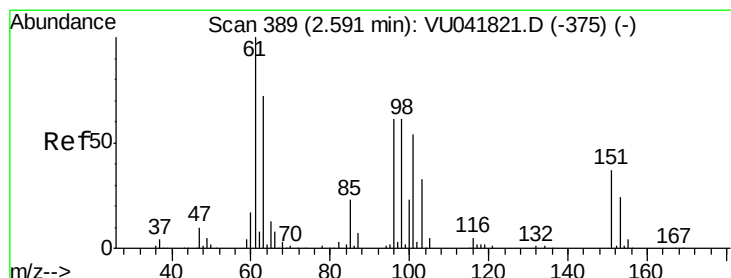
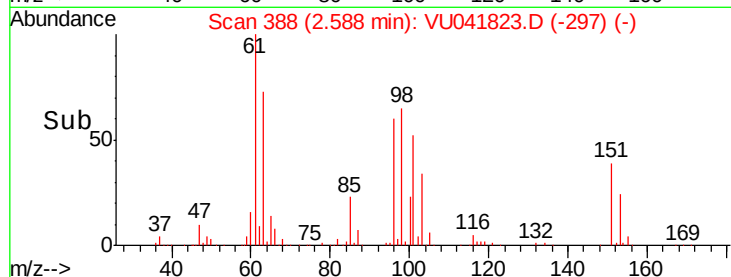
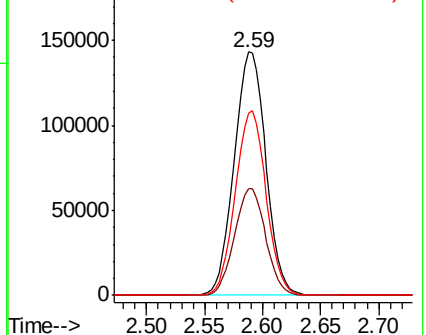
151 73.9 57.4 86.2



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: 24.413 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

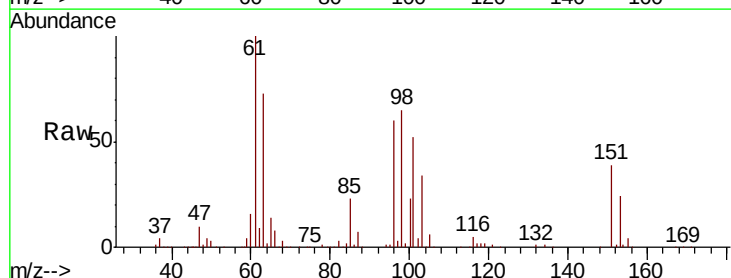
Tgt Ion: 96 Resp: 268577

Ion Ratio Lower Upper

96 100

61 166.7 115.1 213.7

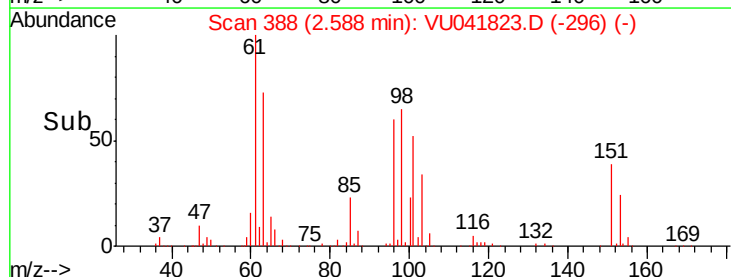
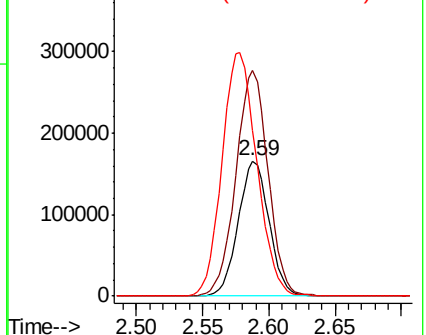
63 122.1 84.1 156.1

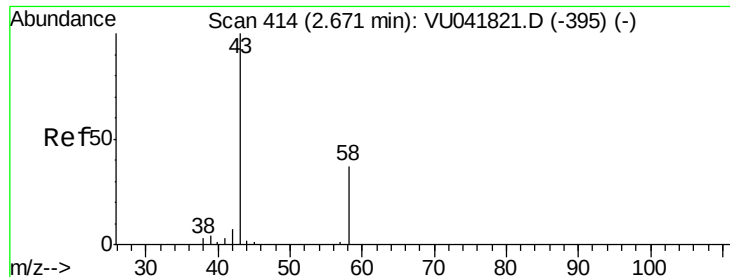


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 193.053 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

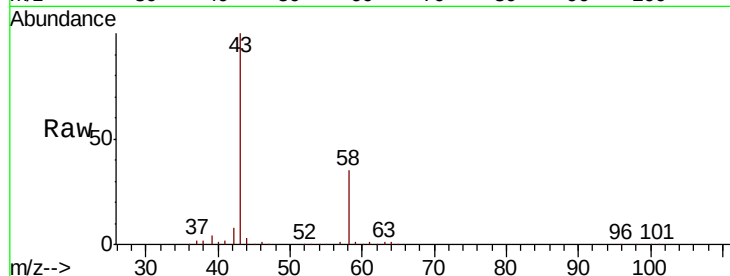
VSTD020326

Tot Ion: 43 Resp: 522915

Ion Ratio Lower Upper

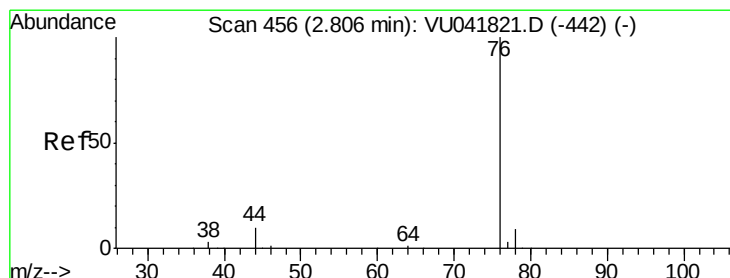
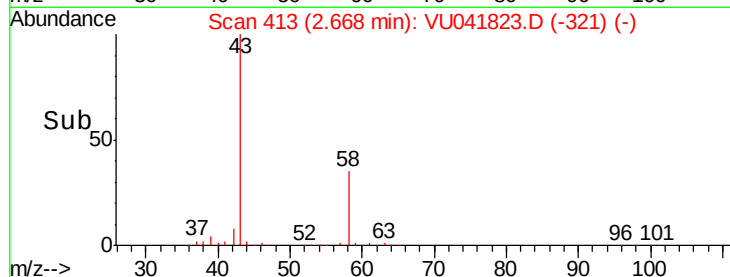
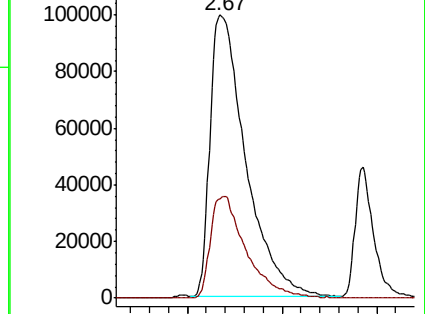
43 100

58 35.2 0.0 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 26.657 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041823.D

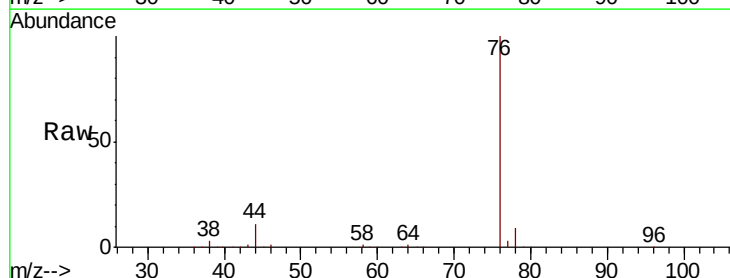
Acq: 28 Dec 2020 11:49

Tgt Ion: 76 Resp: 891598

Ion Ratio Lower Upper

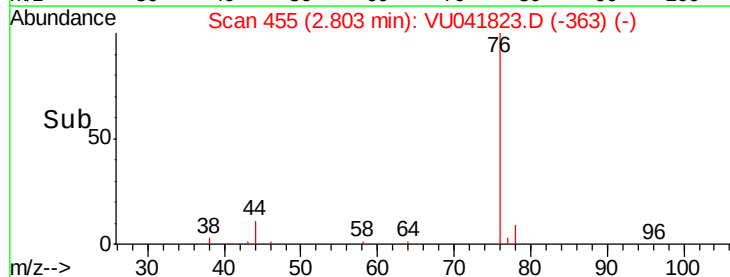
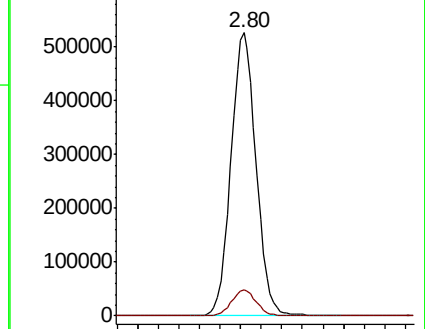
76 100

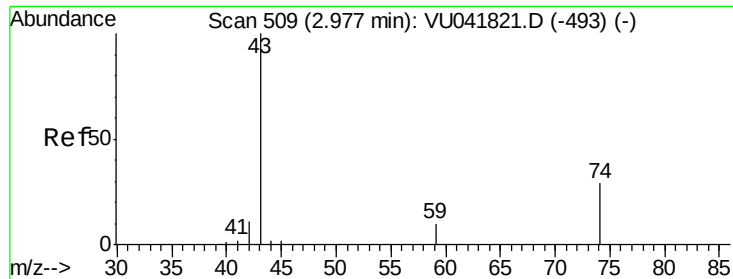
78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

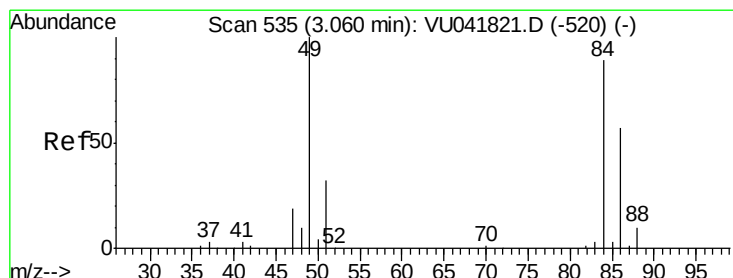
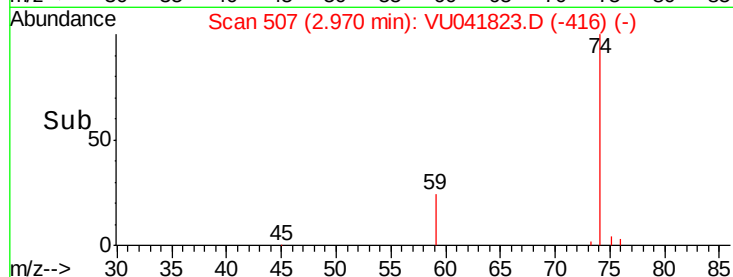
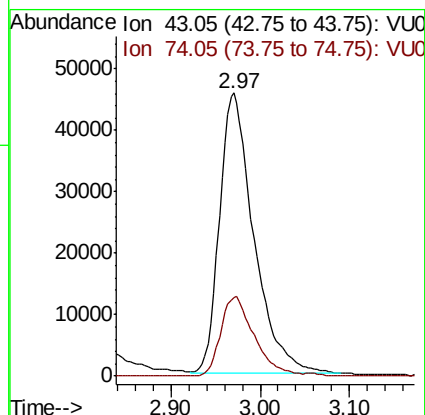
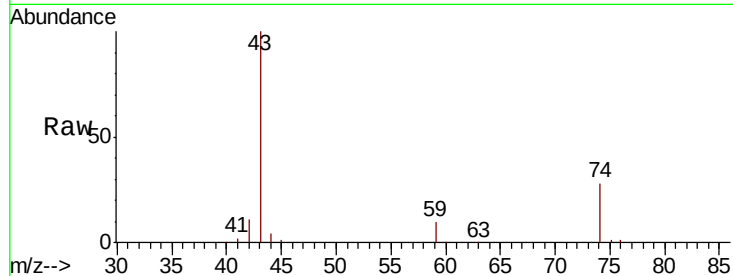




#15
Methvl Acetate
Concen: 21.188 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.01 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

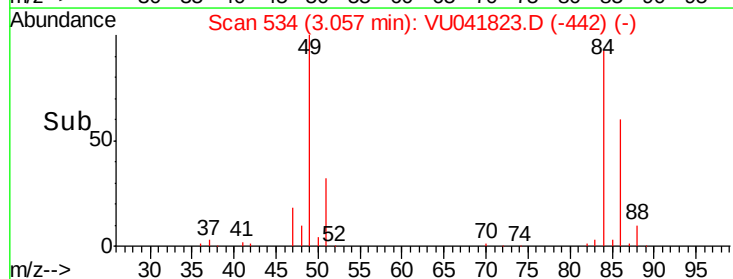
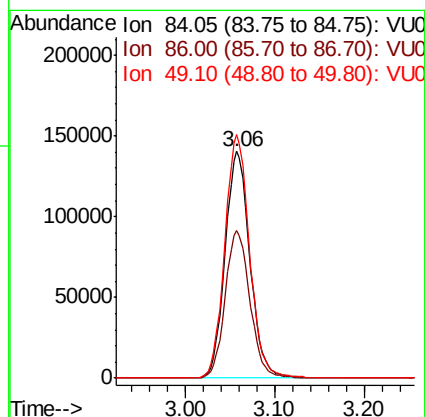
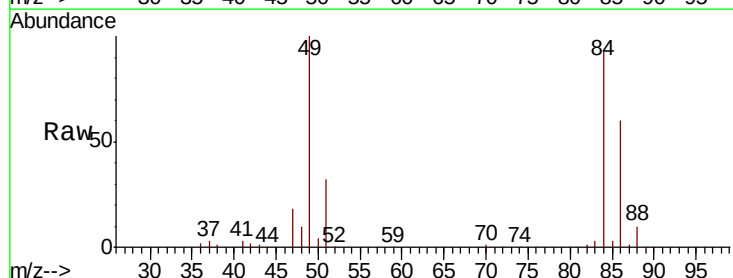
Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

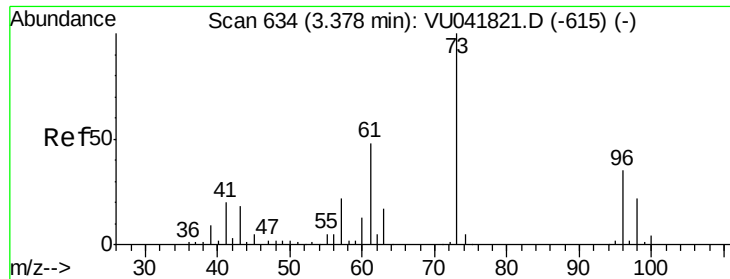
Tot Ion: 43 Resp: 121107
Ion Ratio Lower Upper
43 100
74 27.8 21.5 32.3



#16
Methylene chloride
Concen: 19.694 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion: 84 Resp: 270553
Ion Ratio Lower Upper
84 100
86 64.9 44.9 83.5
49 107.5 79.0 146.8

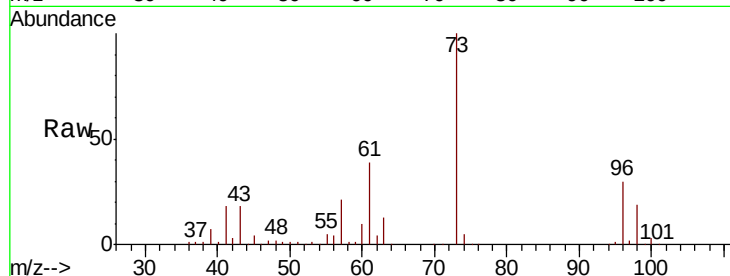




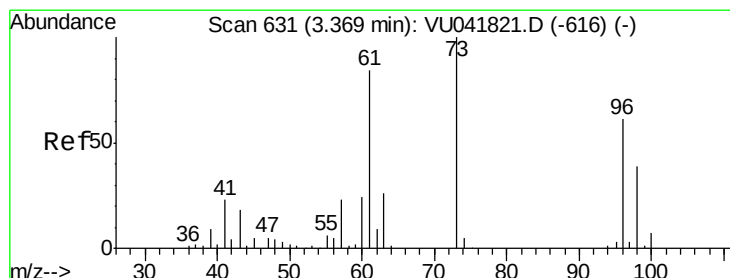
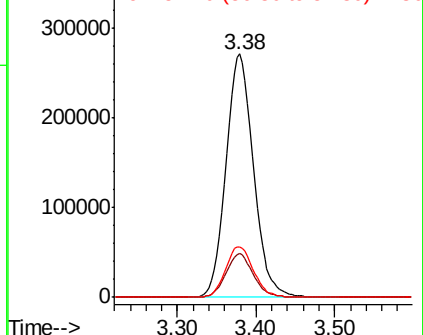
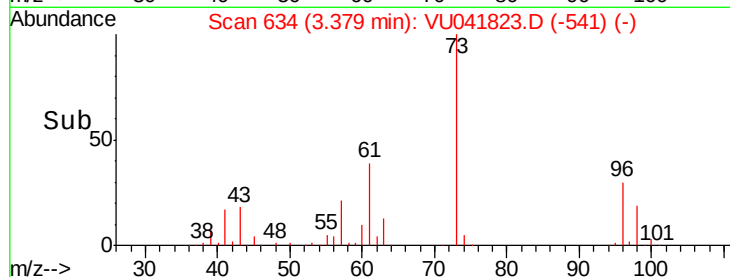
#17
Methyl tert-butyl Ether
Concen: 20.214 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

Tot Ion: 73 Resp: 655738
Ion Ratio Lower Upper
73 100
43 17.8 15.0 22.4
57 21.3 17.3 25.9

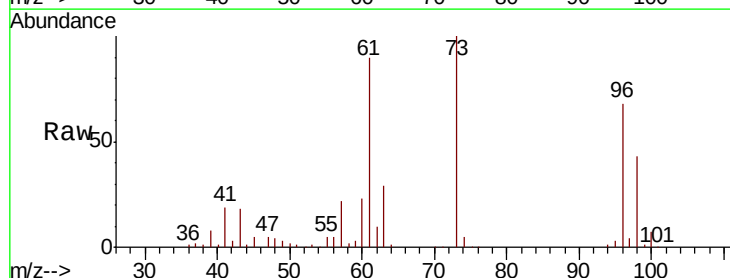


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

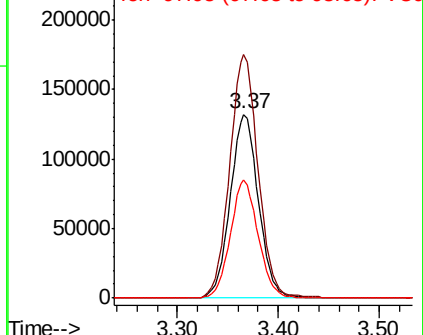
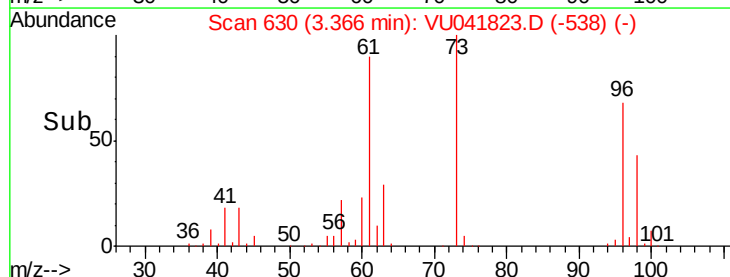


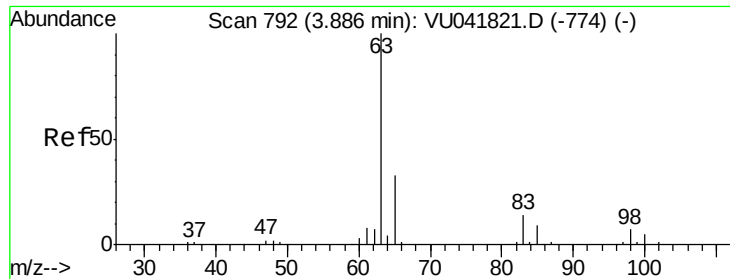
#18
trans-1,2-Dichloroethene
Concen: 22.556 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion: 96 Resp: 257280
Ion Ratio Lower Upper
96 100
61 132.7 96.6 179.4
98 64.2 44.7 82.9



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

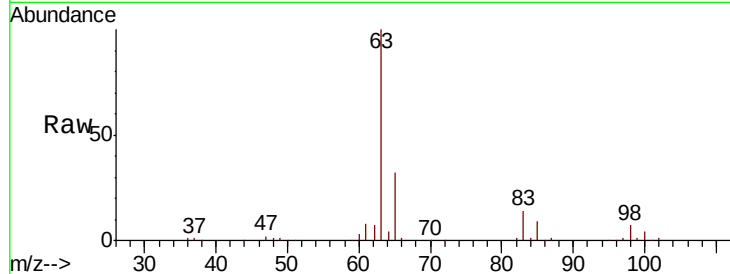




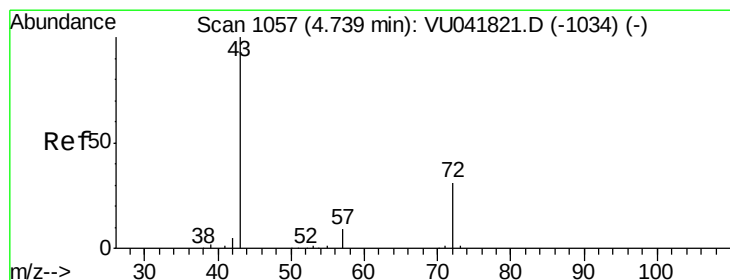
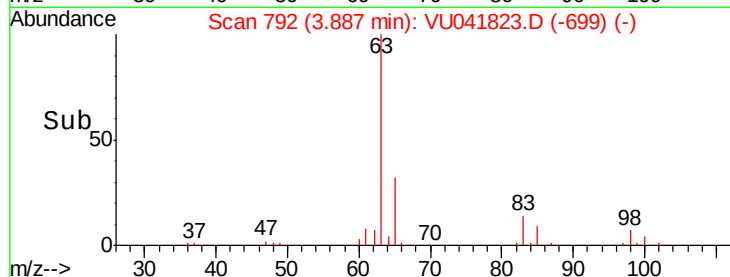
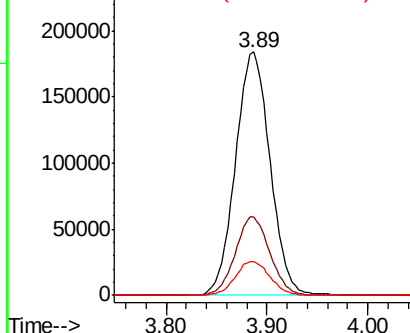
#19
 1,1-Dichloroethane
 Concen: 19.234 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

Tot Ion: 63 Resp: 437738
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.2 43.0
 83 14.1 9.9 18.3

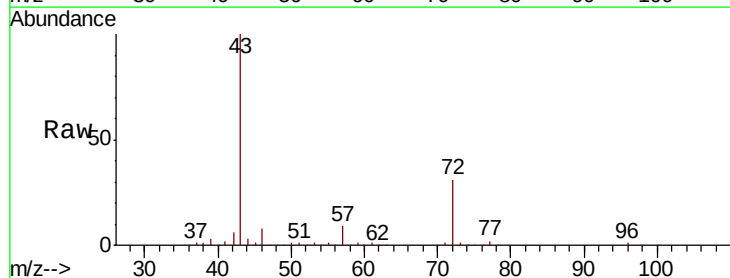


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

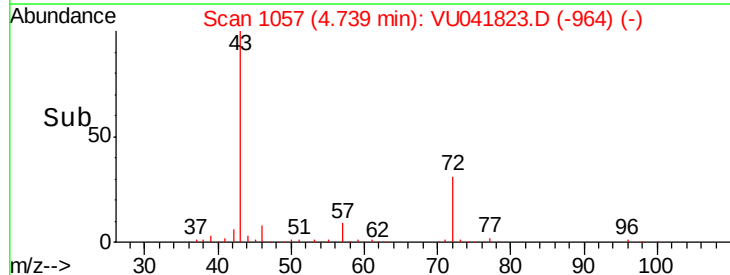
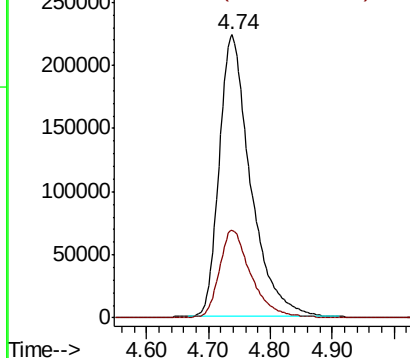


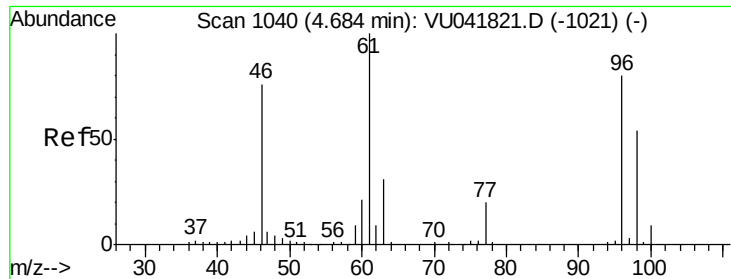
#21
 2-Butanone
 Concen: 206.344 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion: 43 Resp: 785538
 Ion Ratio Lower Upper
 43 100
 72 32.0 15.8 47.3



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





#22

cis-1,2-Dichloroethene

Concen: 23.037 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD020326

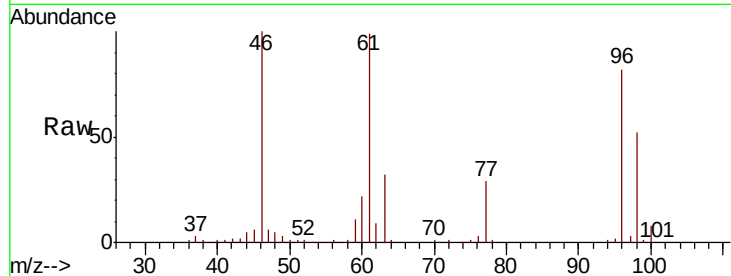
Tot Ion: 96 Resp: 281885

Ion Ratio Lower Upper

96 100

61 121.1 87.4 162.4

98 64.1 47.7 88.5

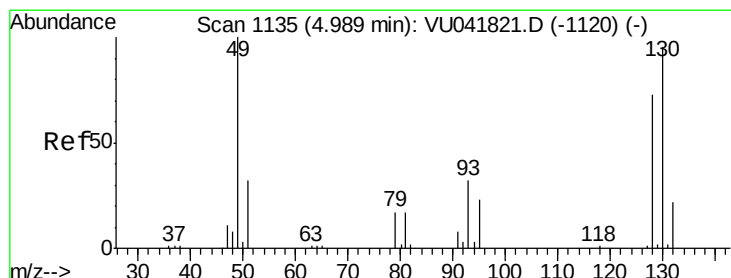
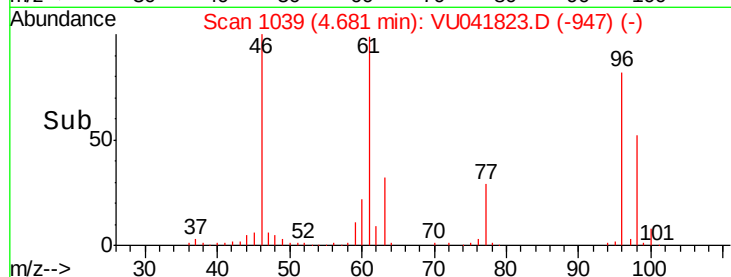
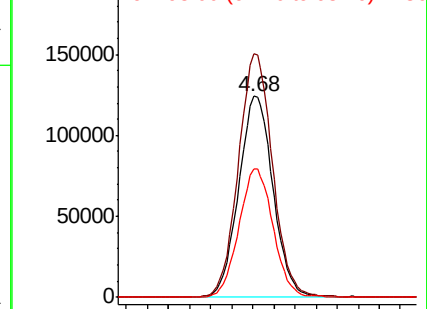


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 22.233 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Tgt Ion: 128 Resp: 135243

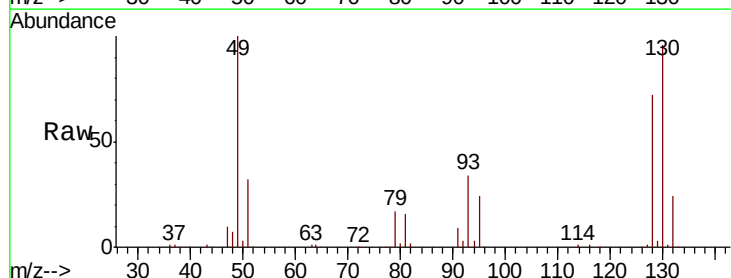
Ion Ratio Lower Upper

128 100

49 138.7 96.4 179.0

130 133.0 91.2 169.4

51 44.7 35.0 52.6



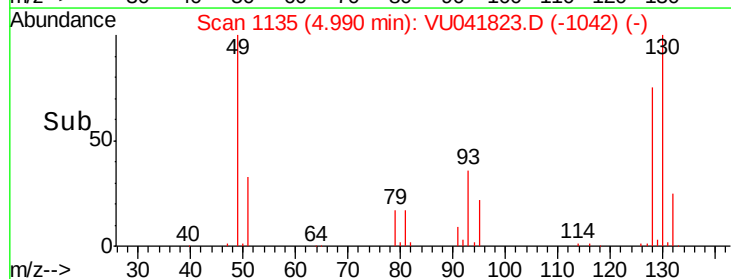
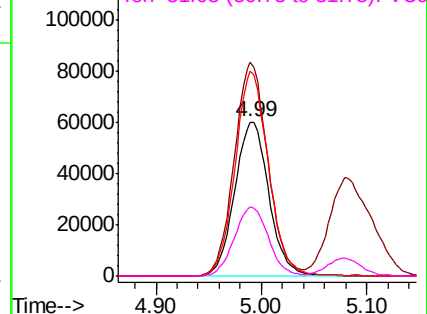
Abundance

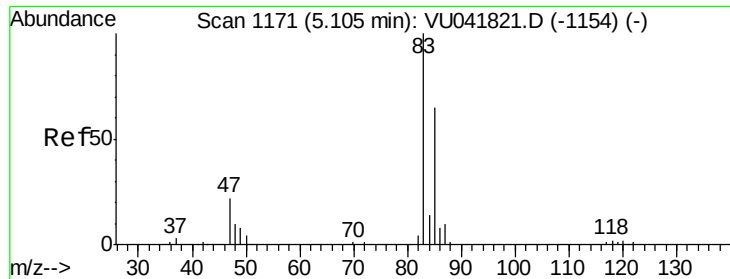
Ion 127.90 (127.60 to 128.60): V

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

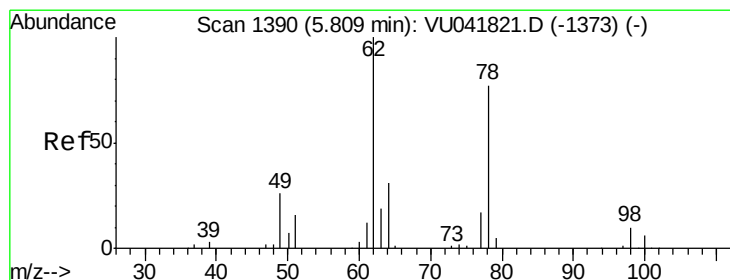
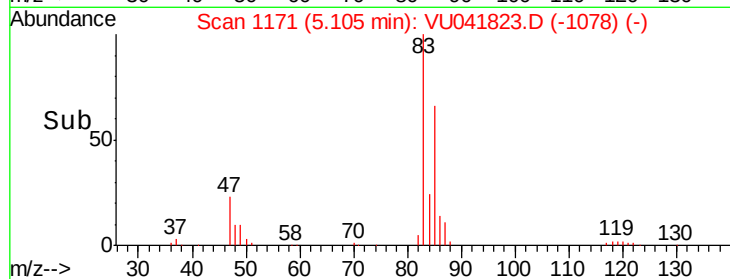
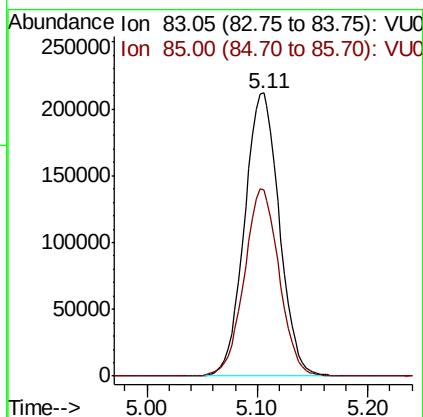
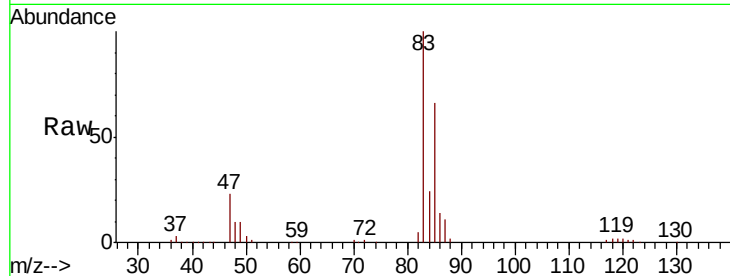




#25
Chloroform
Concen: 18.137 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

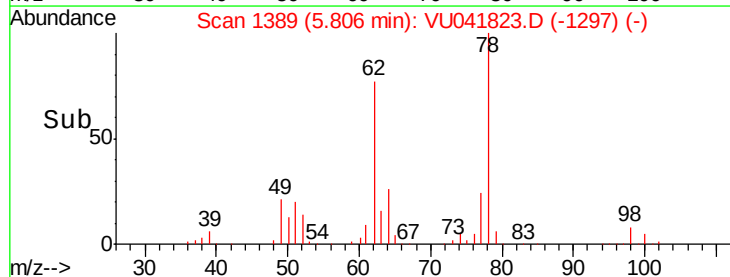
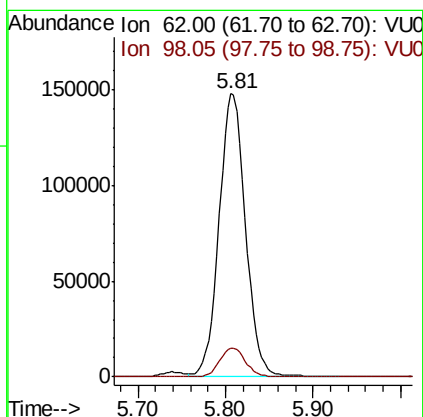
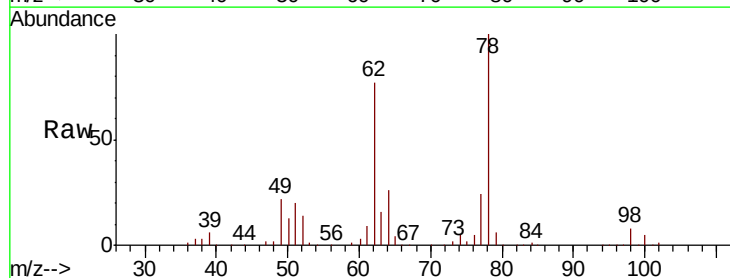
Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

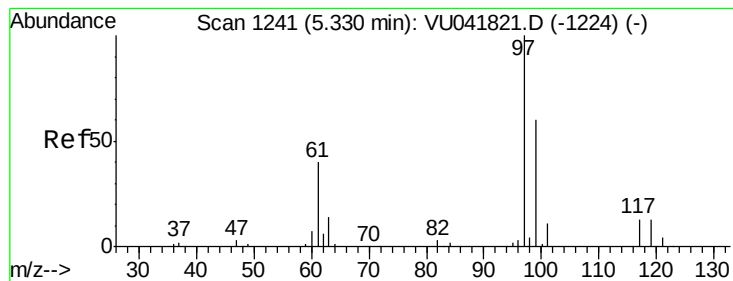
Tot Ion: 83 Resp: 463562
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 16.577 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion: 62 Resp: 309901
Ion Ratio Lower Upper
62 100
98 10.0 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 18.096 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD020326

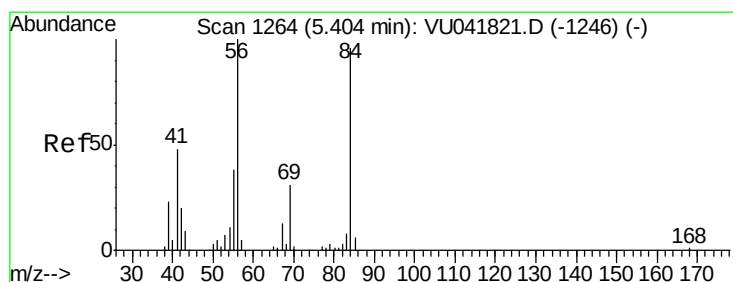
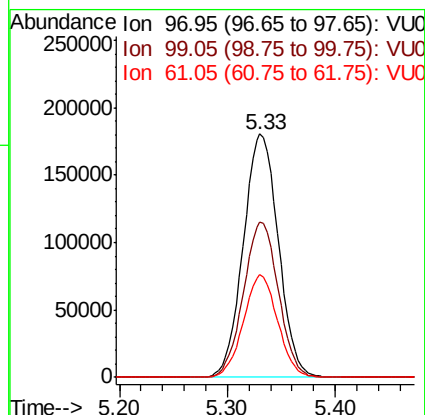
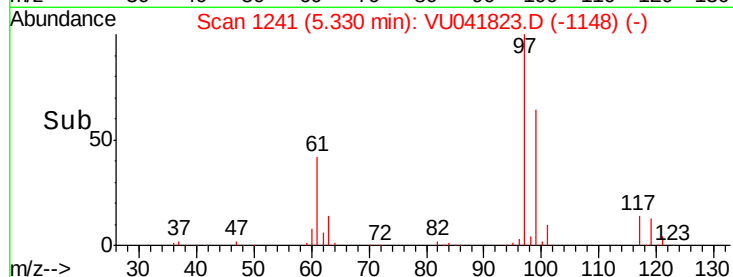
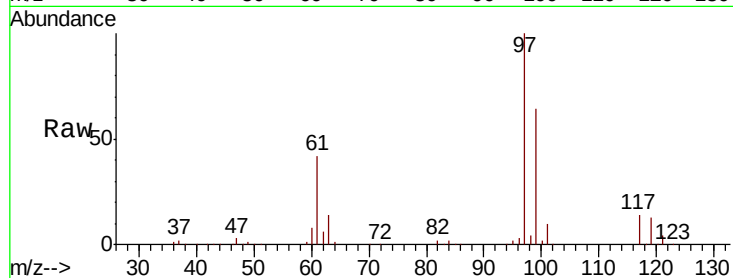
Tot Ion: 97 Resp: 408559

Ion Ratio Lower Upper

97 100

99 63.6 50.3 75.5

61 41.3 32.7 49.1



#30

Cyclohexane

Concen: 25.078 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

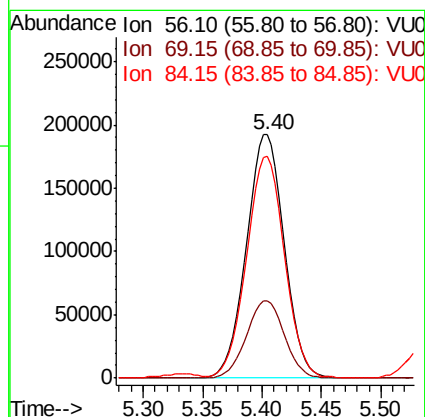
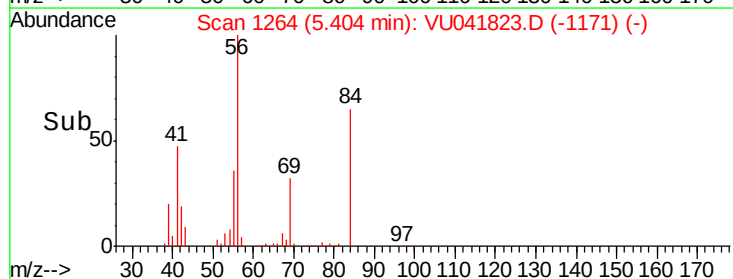
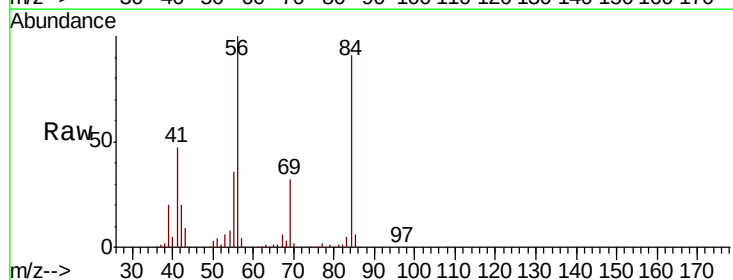
Tgt Ion: 56 Resp: 423116

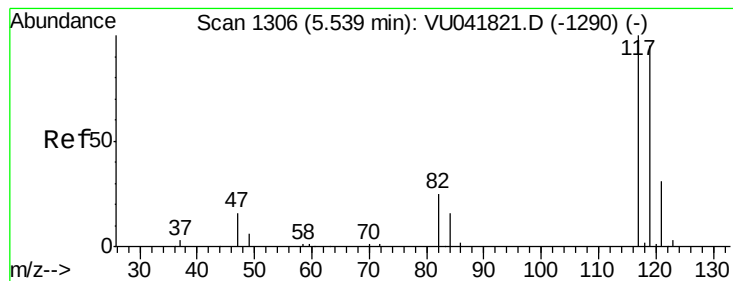
Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

84 91.8 76.2 114.4





#31

Carbon tetrachloride

Concen: 18.529 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

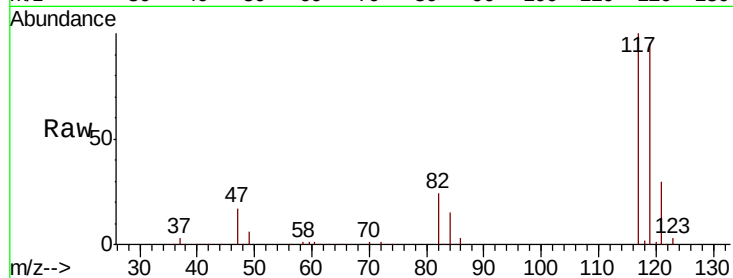
VSTD020326

Tot Ion:117 Resp: 377067

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

200000

150000

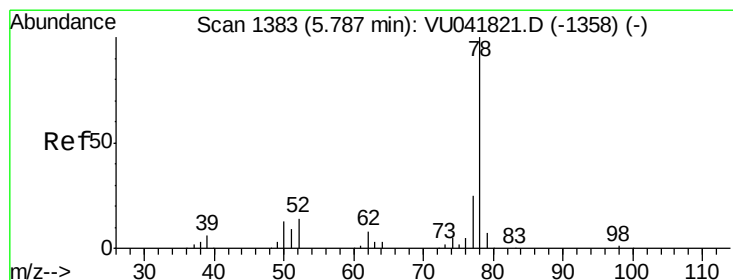
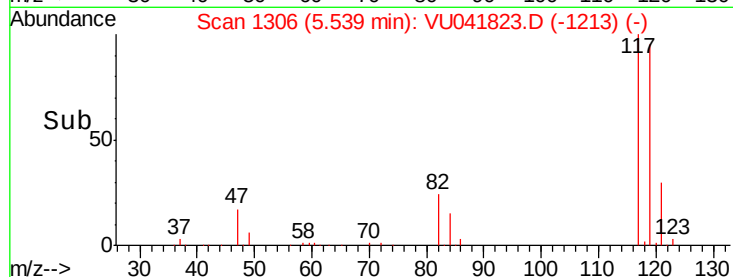
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 22.794 ug/L

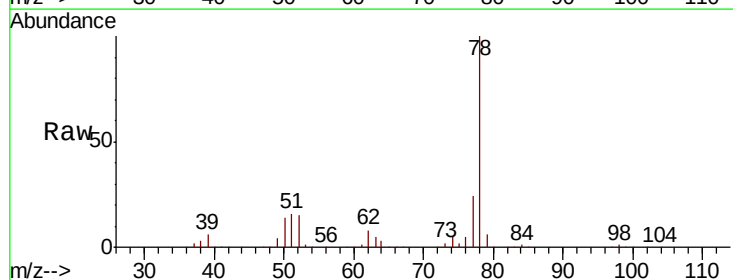
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Tgt Ion: 78 Resp: 1067070



Abundance Ion 78.10 (77.80 to 78.80): VU0

600000

500000

400000

300000

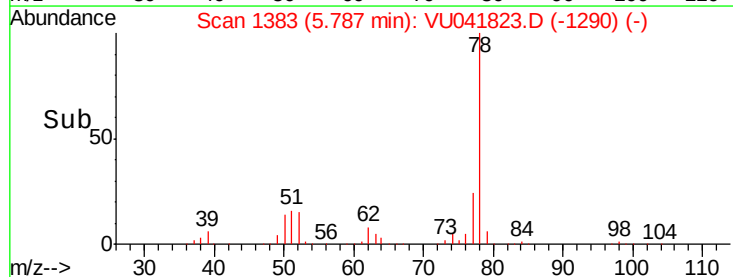
200000

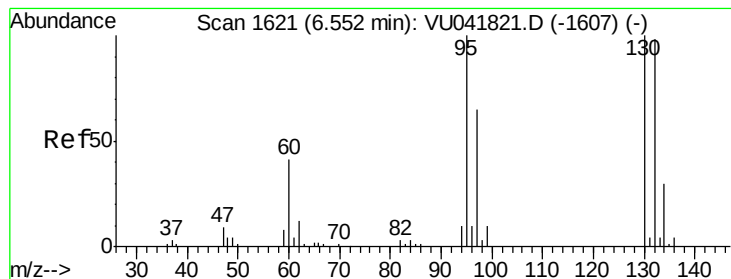
100000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 21.510 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD020326

Tot Ion: 95 Resp: 275419

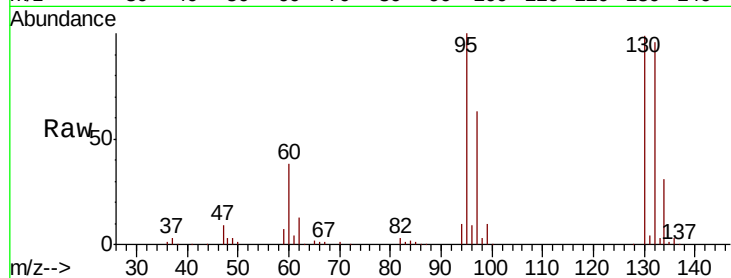
Ion Ratio Lower Upper

95 100

97 63.0 45.8 85.2

132 95.6 68.7 127.7

130 99.0 70.1 130.3

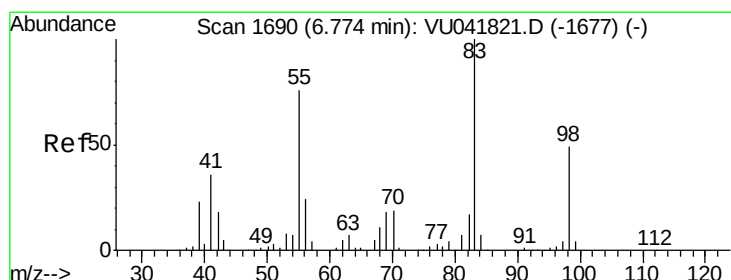
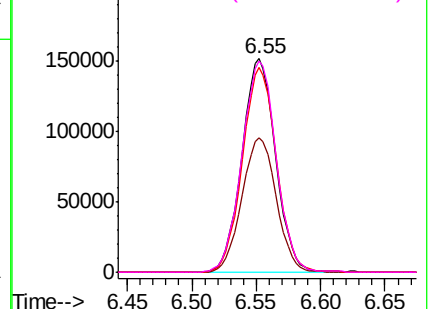
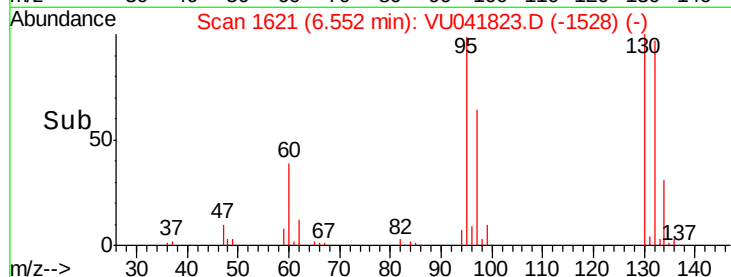


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 25.653 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

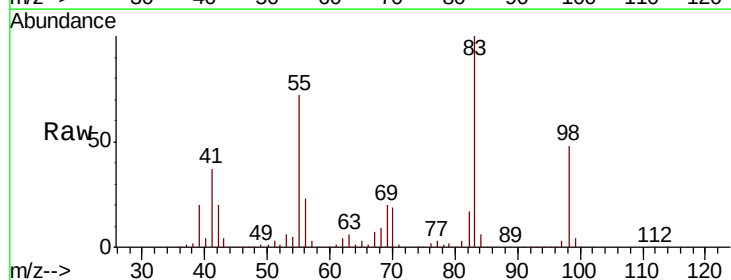
Tgt Ion: 83 Resp: 465053

Ion Ratio Lower Upper

83 100

55 72.6 59.5 89.3

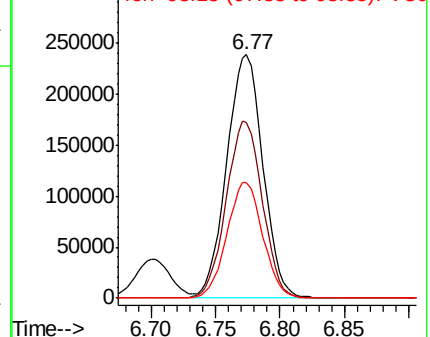
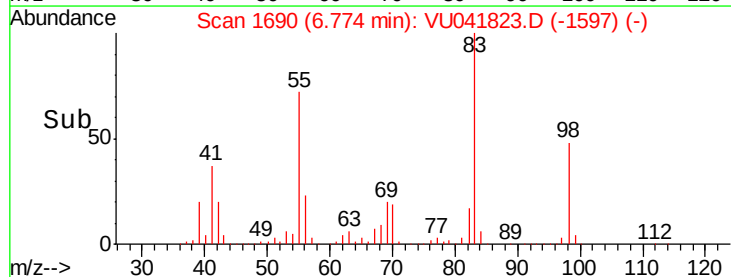
98 47.2 37.9 56.9

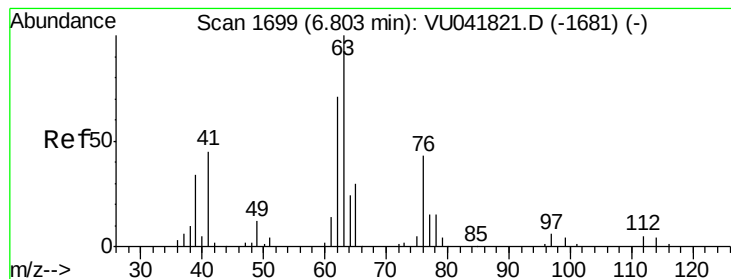


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 22.028 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

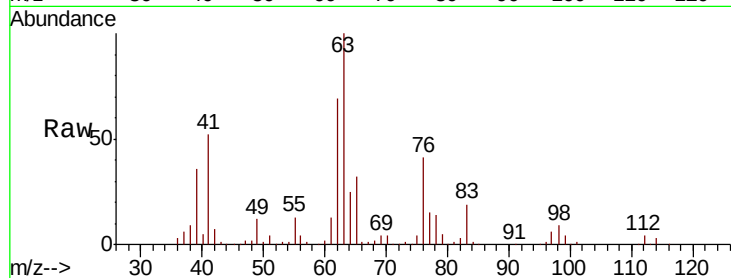
VSTD020326

Tot Ion: 63 Resp: 262933

Ion Ratio Lower Upper

63 100

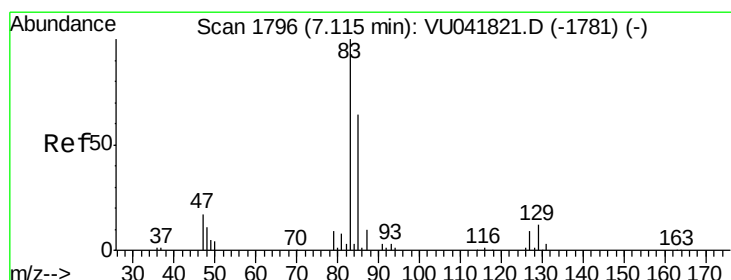
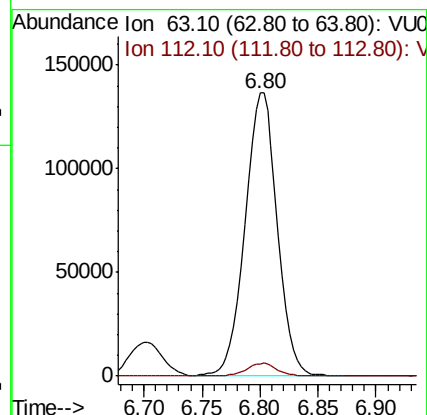
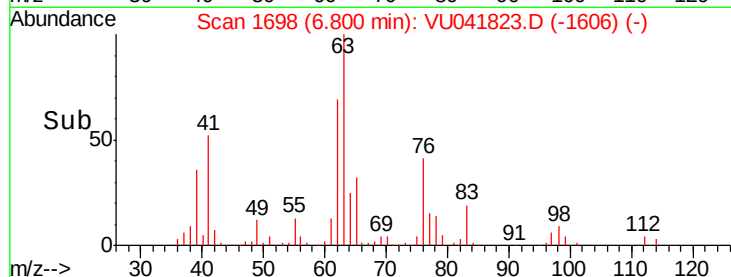
112 4.3 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU041823.D (-1698) (-)

Ion 112.10 (111.80 to 112.80): VU041823.D (-1698) (-)

6.80



#38

Bromodichloromethane

Concen: 19.140 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

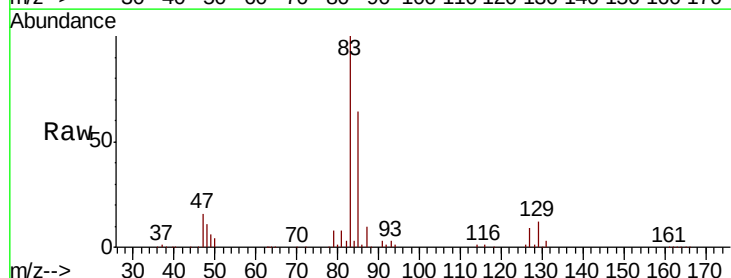
Tgt Ion: 83 Resp: 346405

Ion Ratio Lower Upper

83 100

85 64.4 44.6 82.8

127 8.8 7.4 11.2

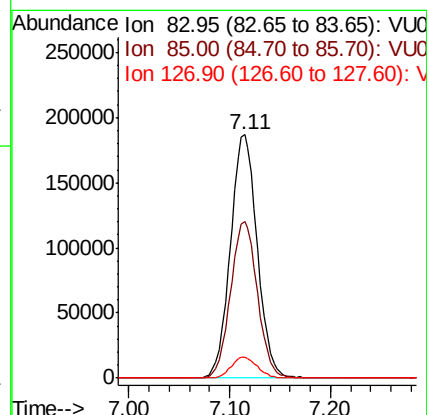
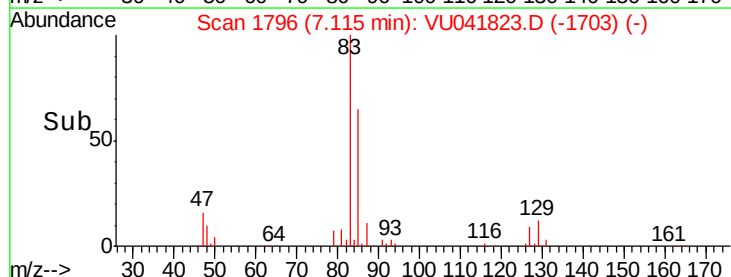


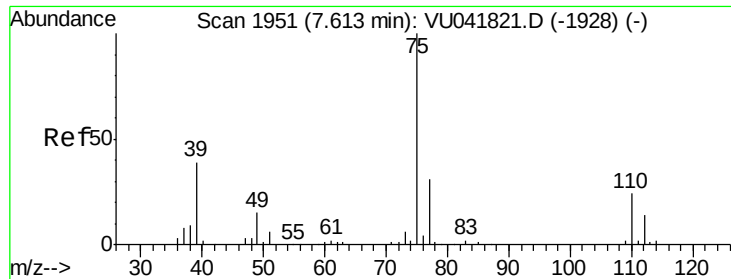
Abundance Ion 82.95 (82.65 to 83.65): VU041823.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU041823.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041823.D (-1703) (-)

7.11

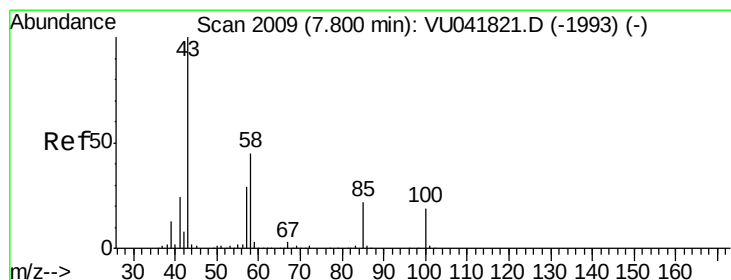
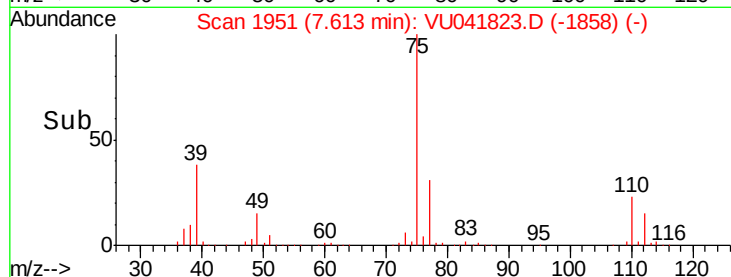
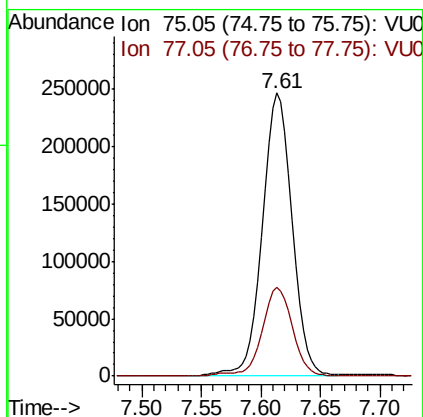
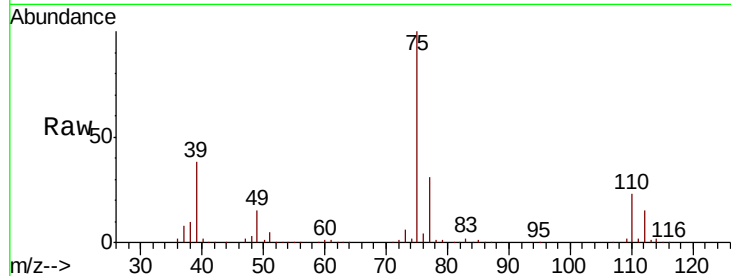




#39
 cis-1,3-Dichloropropene
 Concen: 23.301 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

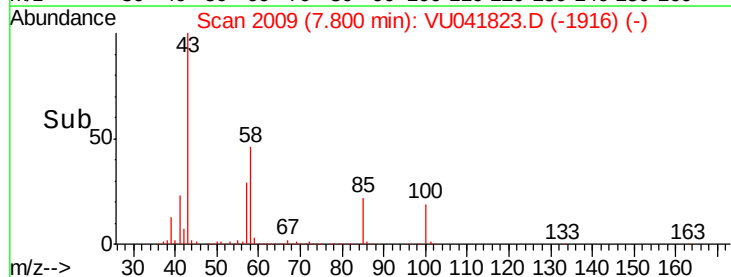
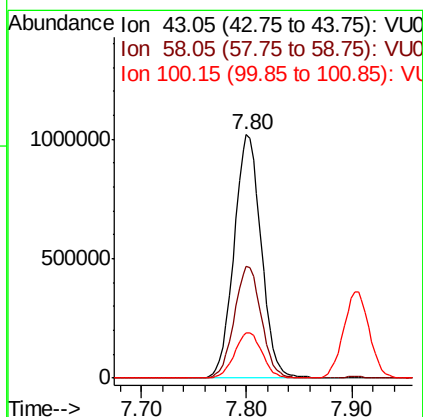
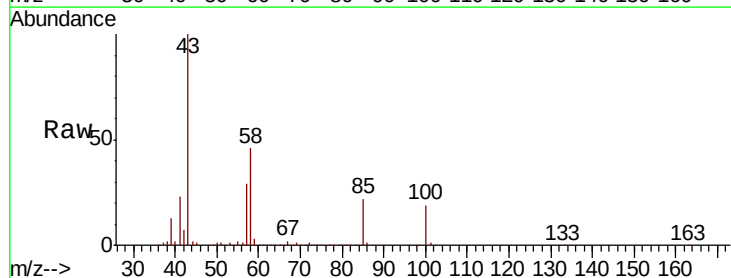
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

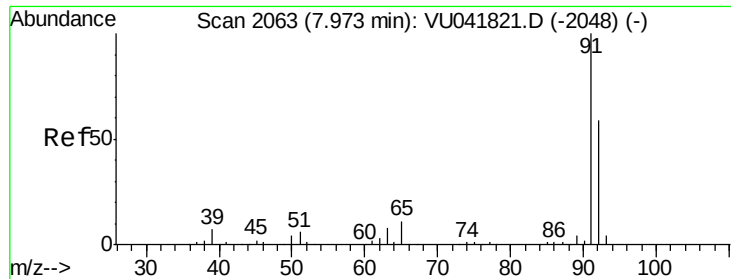
Tot Ion: 75 Resp: 428833
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 213.386 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion: 43 Resp: 1812679
 Ion Ratio Lower Upper
 43 100
 58 45.8 35.8 53.6
 100 19.0 15.1 22.7





#42

Toluene

Concen: 22.927 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

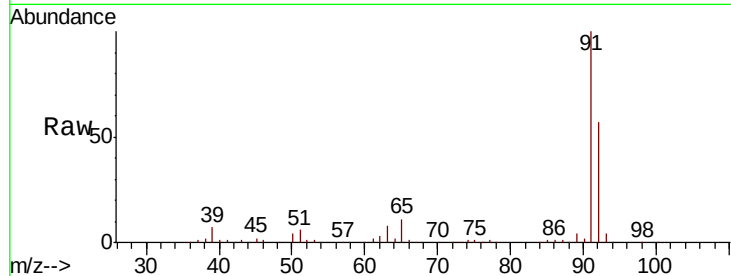
VSTD020326

Tot Ion: 91 Resp: 1154013

Ion Ratio Lower Upper

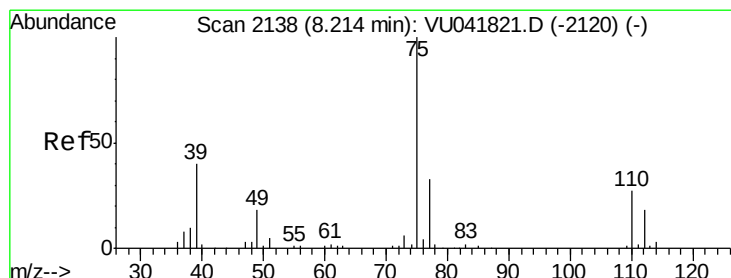
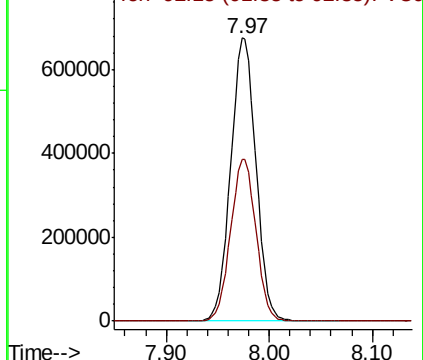
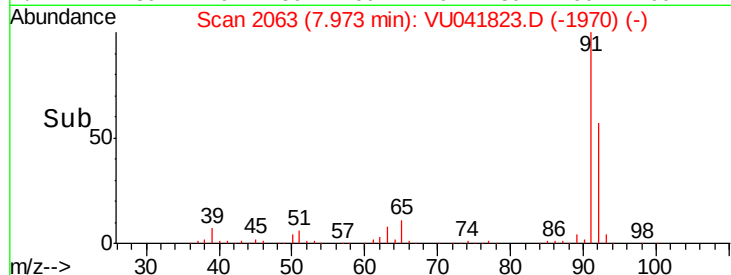
91 100

92 57.2 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU041823.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041823.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 21.642 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041823.D

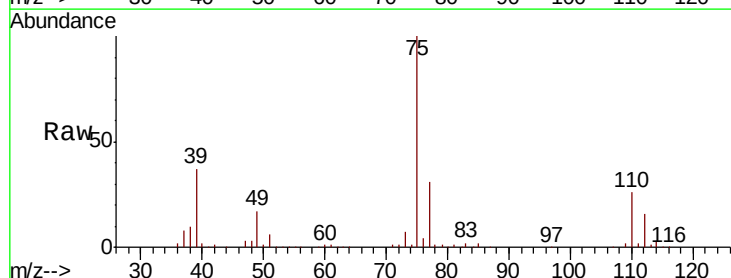
Acq: 28 Dec 2020 11:49

Tgt Ion: 75 Resp: 385811

Ion Ratio Lower Upper

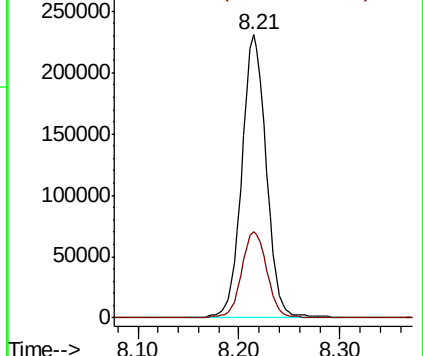
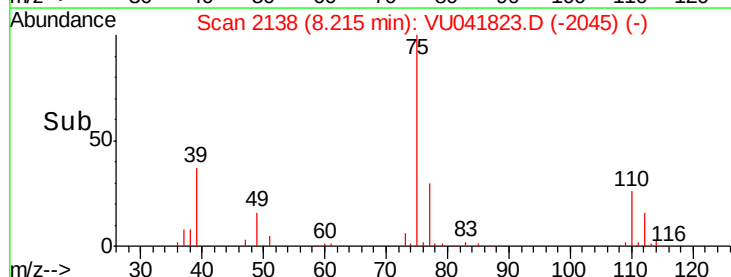
75 100

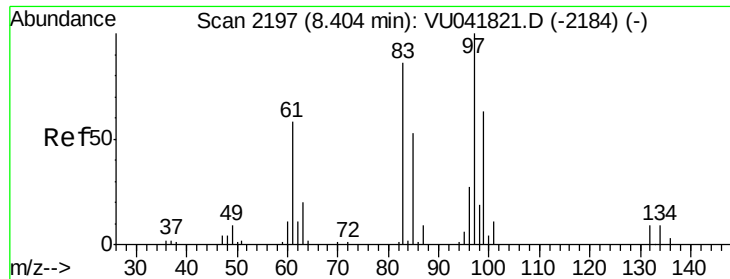
77 30.6 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU041823.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041823.D (-2045) (-)

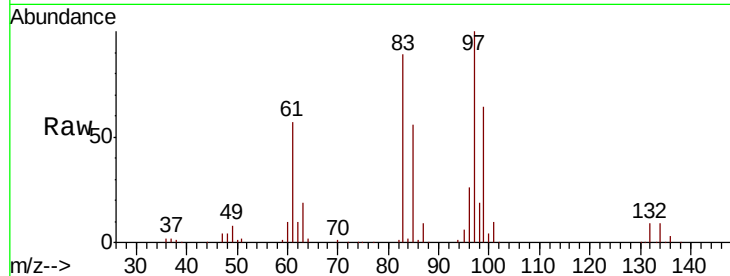




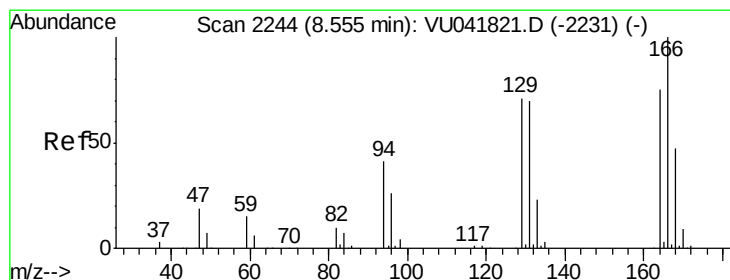
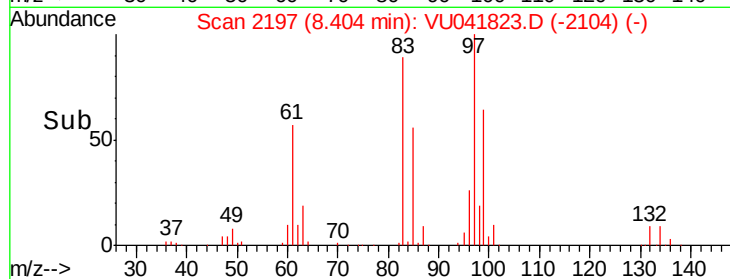
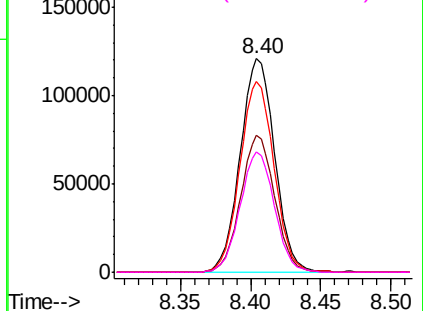
#45
1,1,2-Trichloroethane
Concen: 21.883 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

Tot Ion:	97	Resp:	207103
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.2	82.0
83	89.4	60.1	111.7
85	56.5	37.3	69.3

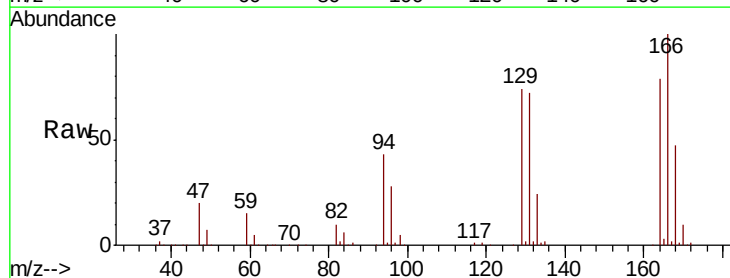


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

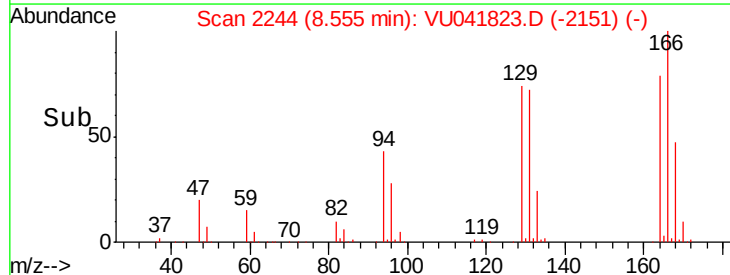
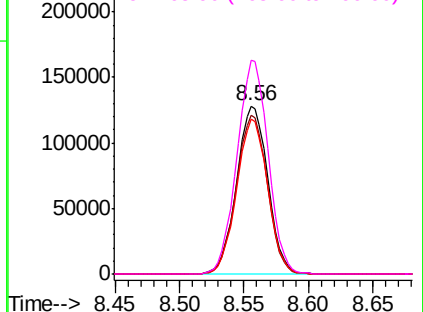


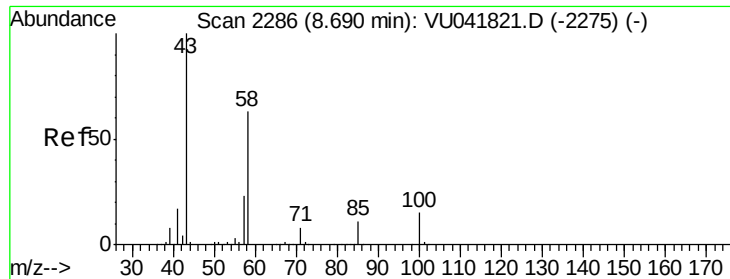
#47
Tetrachloroethene
Concen: 22.419 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion:	164	Resp:	215364
Ion	Ratio	Lower	Upper
164	100		
129	94.2	66.6	123.8
131	91.8	65.9	122.3
166	127.0	93.7	173.9



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

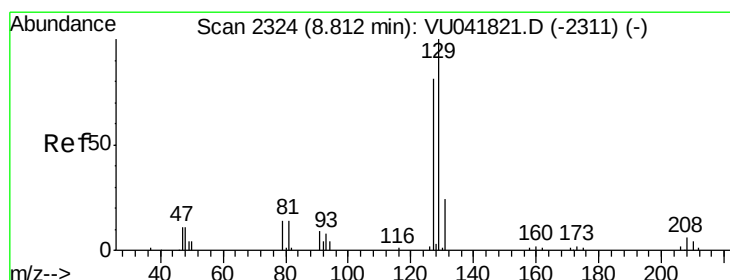
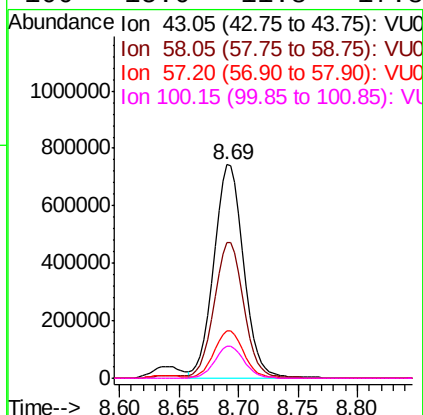
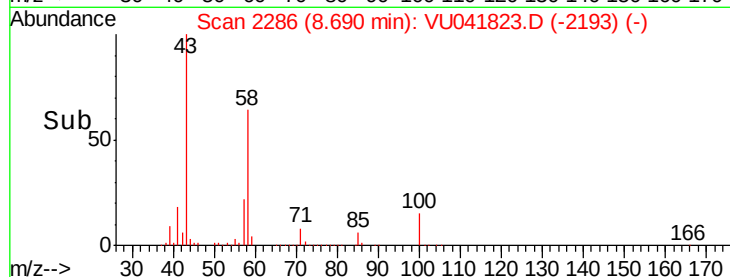
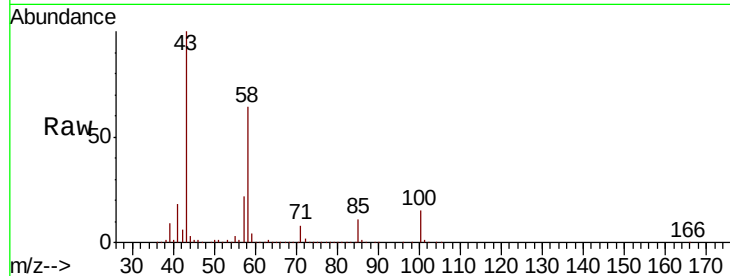




#48
2-Hexanone
Concen: 201.877 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

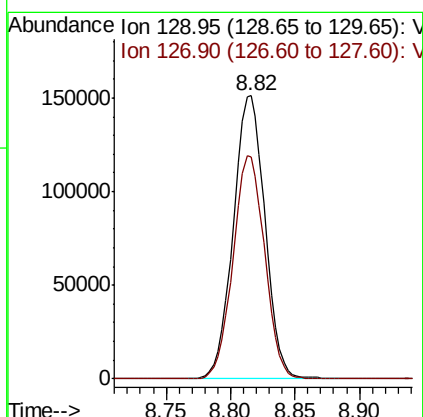
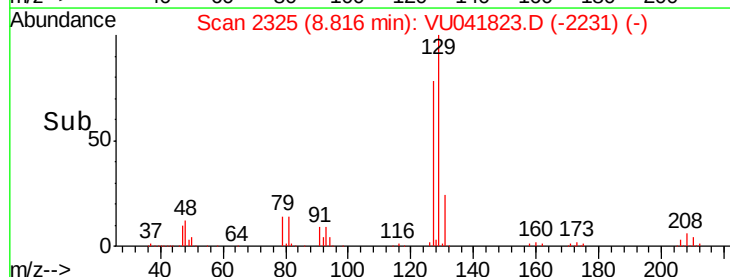
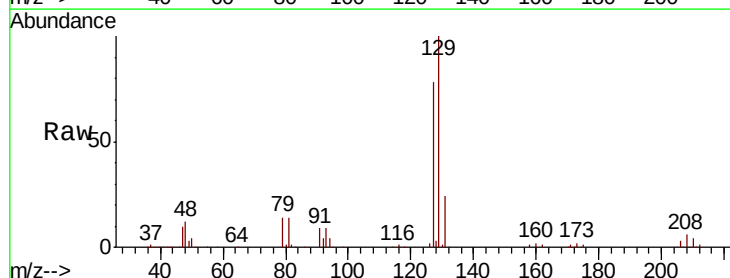
Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

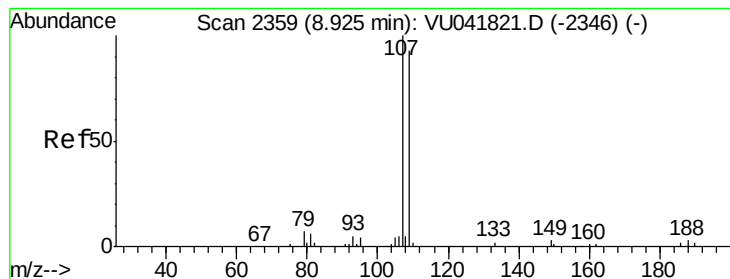
Tot Ion: 43 Resp: 1288975
Ion Ratio Lower Upper
43 100
58 64.0 50.0 75.0
57 22.3 17.4 26.0
100 15.0 11.8 17.8



#49
Dibromochloromethane
Concen: 20.577 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion: 129 Resp: 257940
Ion Ratio Lower Upper
129 100
127 78.2 56.6 105.2





#50

1,2-Dibromoethane

Concen: 22.533 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD020326

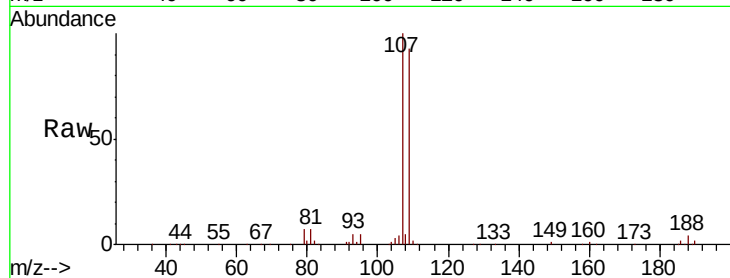
Tot Ion:107 Resp: 208073

Ion Ratio Lower Upper

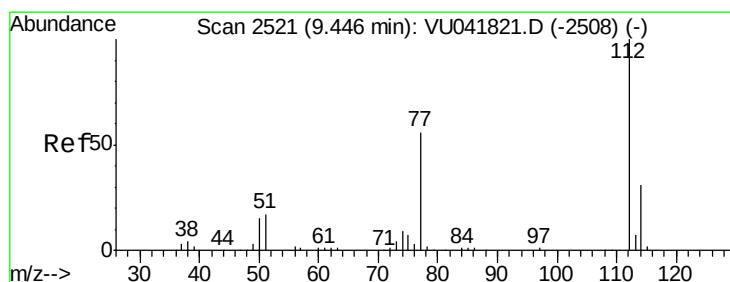
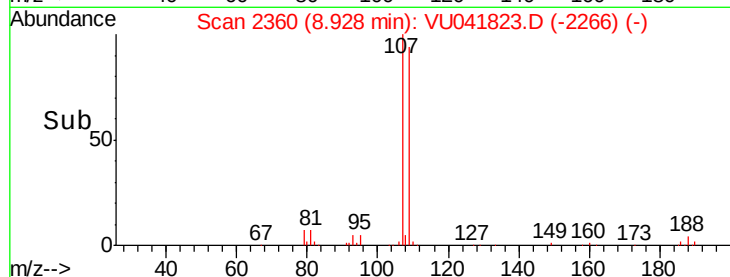
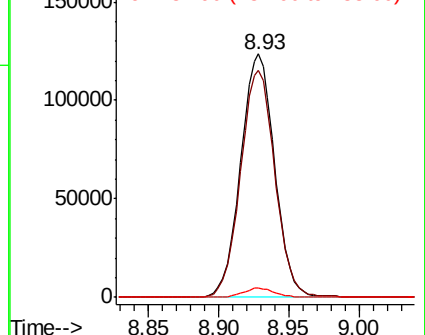
107 100

109 93.4 65.4 121.4

188 3.8 2.5 3.7#



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



#51

Chlorobenzene

Concen: 22.355 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

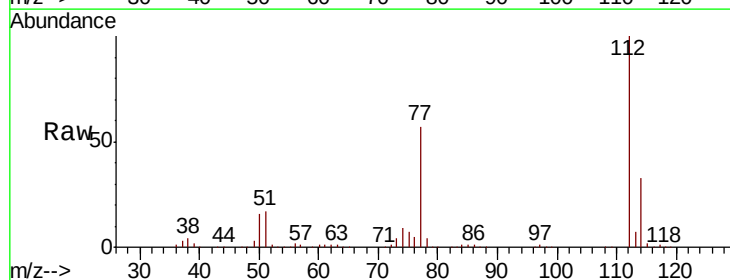
Tgt Ion:112 Resp: 731220

Ion Ratio Lower Upper

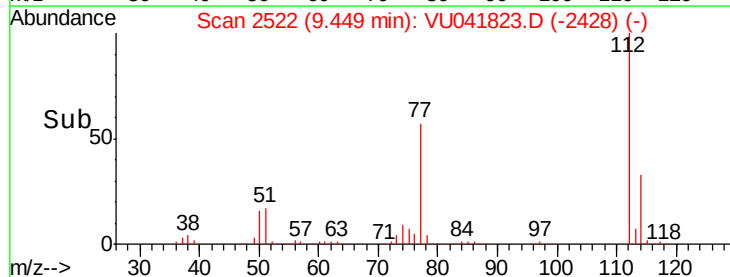
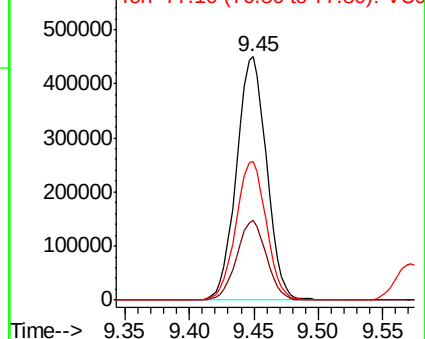
112 100

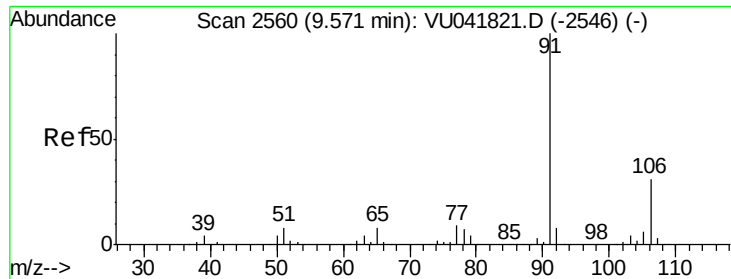
114 32.6 21.9 40.7

77 57.1 45.1 67.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 22.231 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

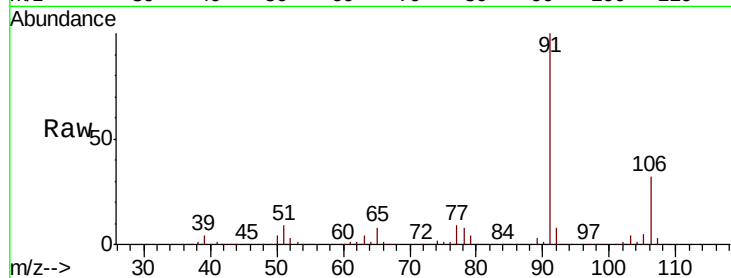
VSTD020326

Tot Ion: 91 Resp: 1240740

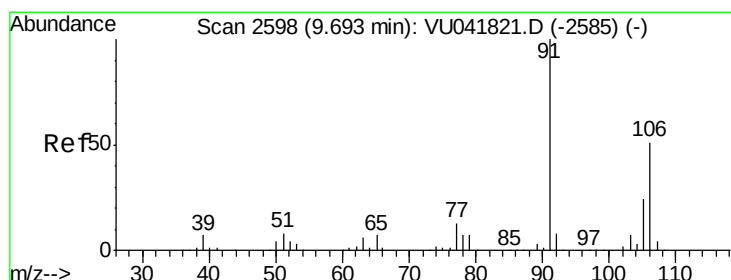
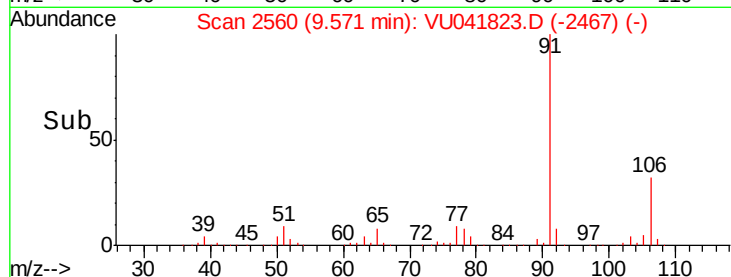
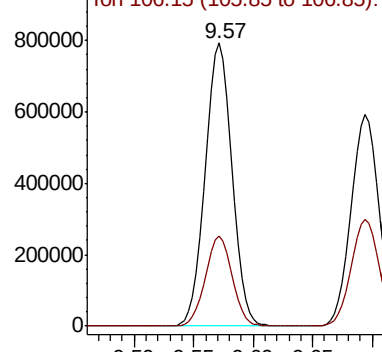
Ion Ratio Lower Upper

91 100

106 31.9 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU041823.D (-2546) (-)



#53

m,p-Xylene

Concen: 23.979 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041823.D

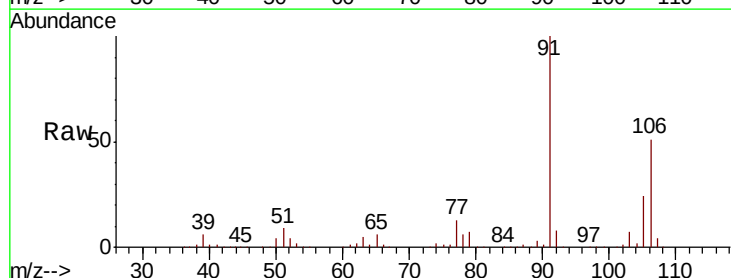
Acq: 28 Dec 2020 11:49

Tgt Ion: 106 Resp: 488705

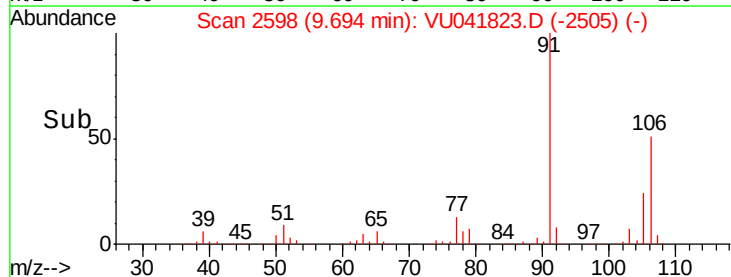
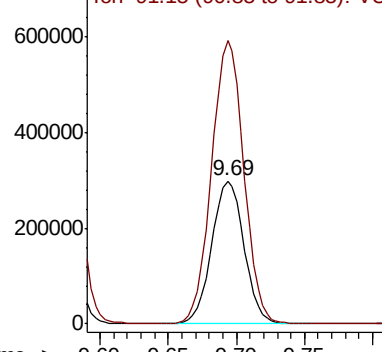
Ion Ratio Lower Upper

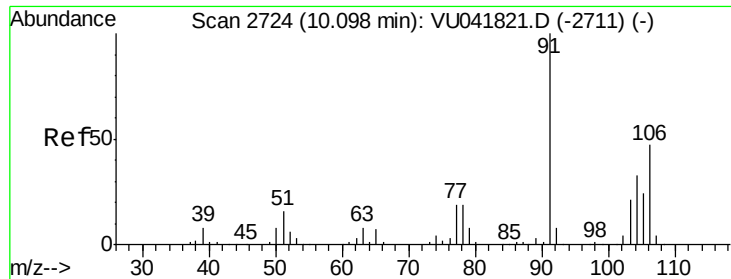
106 100

91 197.9 137.6 255.6



Abundance Ion 106.15 (105.85 to 106.85): VU041823.D (-2598) (-)

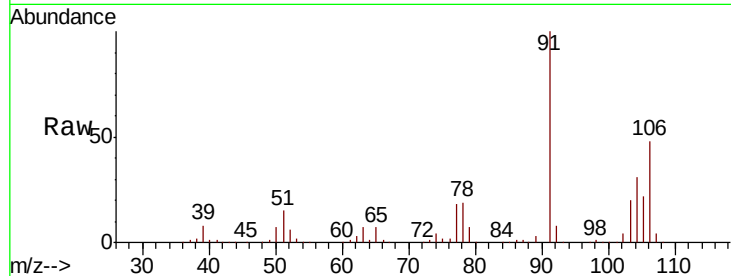




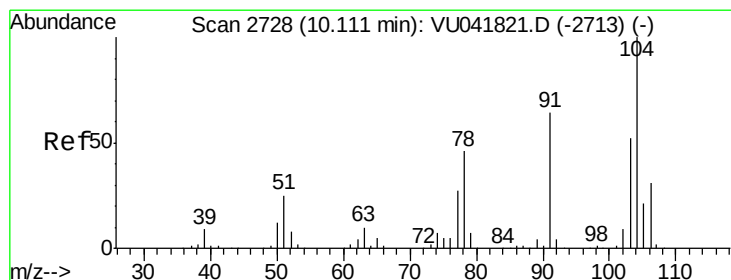
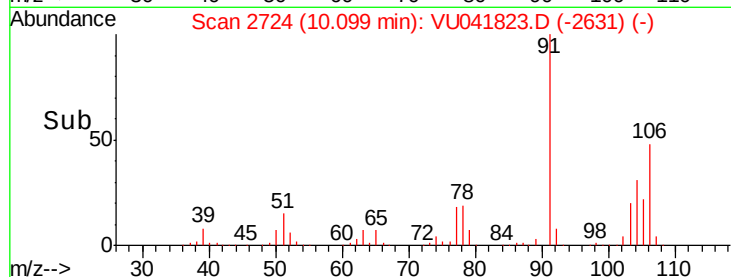
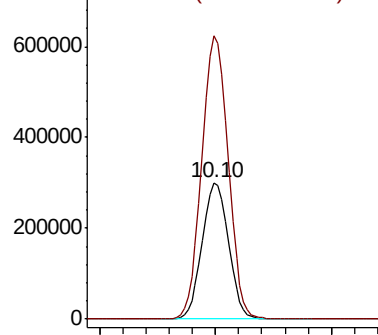
#54
o-Xylene
Concen: 23.843 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

Tot Ion:106 Resp: 471456
Ion Ratio Lower Upper
106 100
91 207.9 148.5 275.9

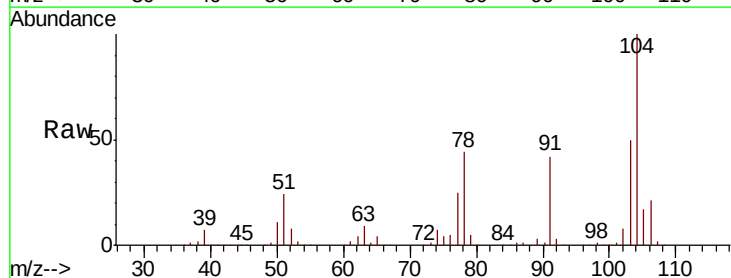


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

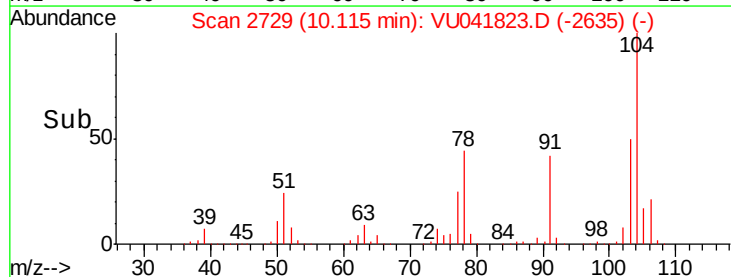
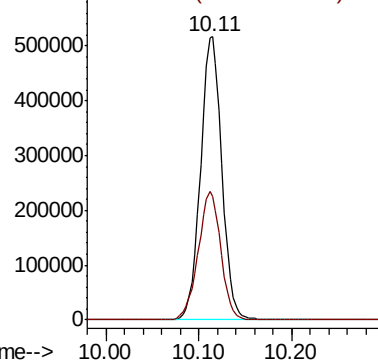


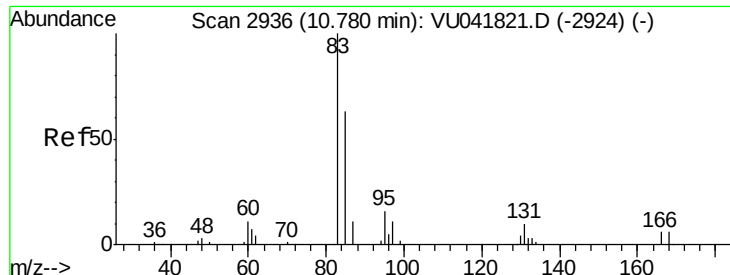
#55
Styrene
Concen: 23.681 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion:104 Resp: 819698
Ion Ratio Lower Upper
104 100
78 43.7 32.3 60.1



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

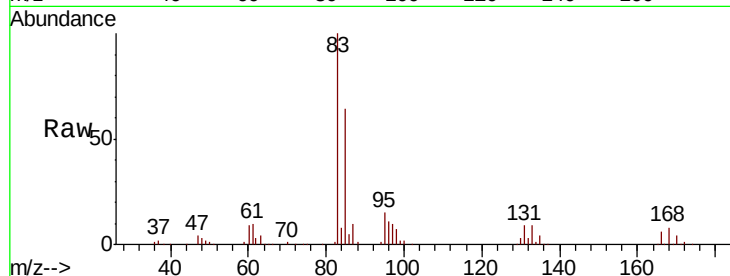




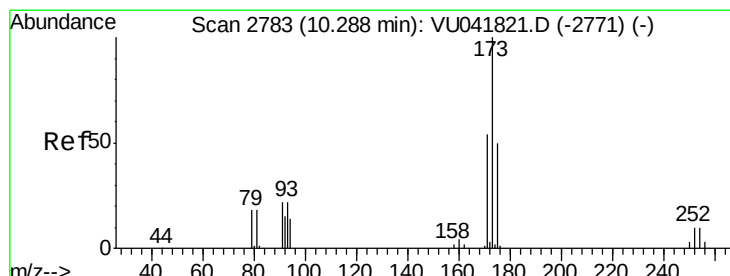
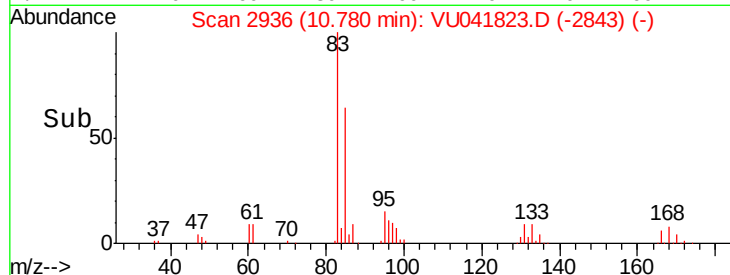
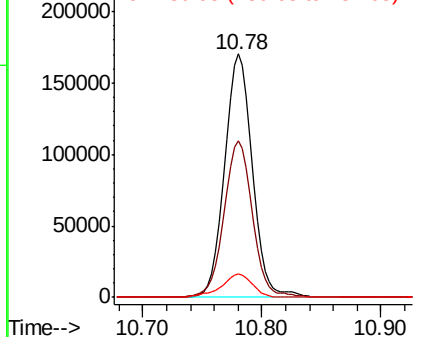
#57
 1,1,2,2-Tetrachloroethane
 Concen: 22.318 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

Tot Ion	83	Resp	274997
Ion Ratio	Lower	Upper	
83	100		
85	64.2	44.9	83.5
131	9.5	8.2	12.4

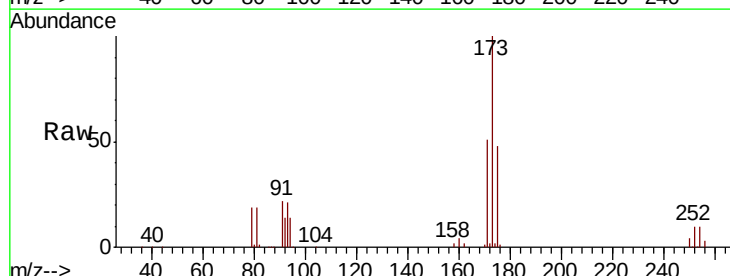


Abundance Ion 82.95 (82.65 to 83.65): VU041823.D (-2843) (-)
 Ion 85.00 (84.70 to 85.70): VU041823.D (-2843) (-)
 Ion 130.95 (130.65 to 131.65): VU041823.D (-2843) (-)

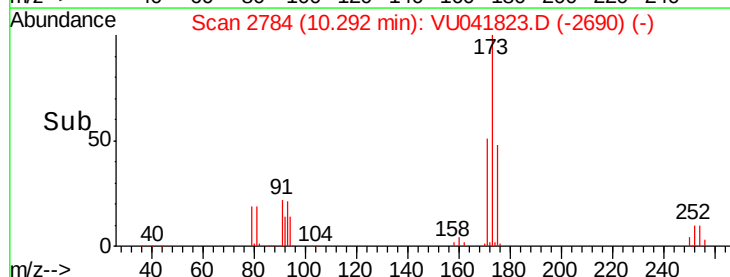
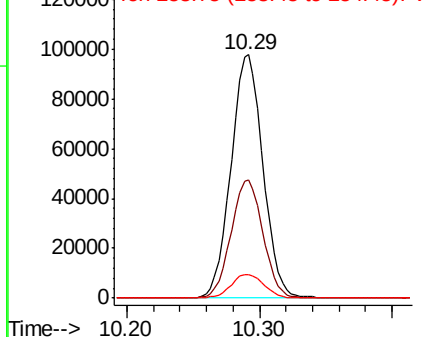


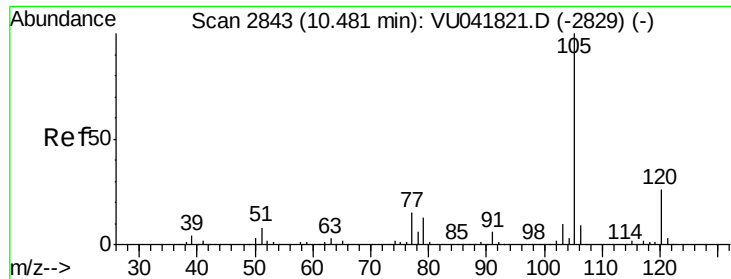
#59
 Bromoform
 Concen: 22.042 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion	173	Resp	163130
Ion Ratio	Lower	Upper	
173	100		
175	48.4	39.4	59.0
254	10.1	8.0	12.0



Abundance Ion 172.90 (172.60 to 173.60): VU041823.D (-2690) (-)
 Ion 174.90 (174.60 to 175.60): VU041823.D (-2690) (-)
 Ion 253.75 (253.45 to 254.45): VU041823.D (-2690) (-)





#60

Isopropylbenzene

Concen: 22.323 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD020326

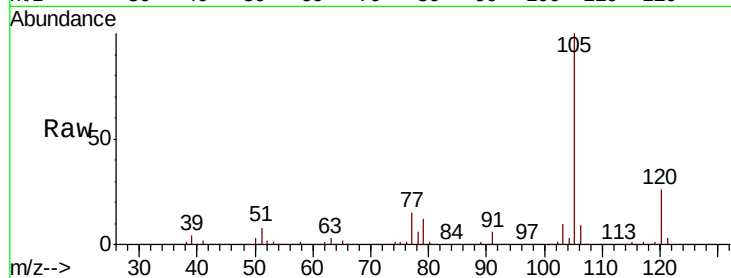
Tot Ion:105 Resp: 1248595

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

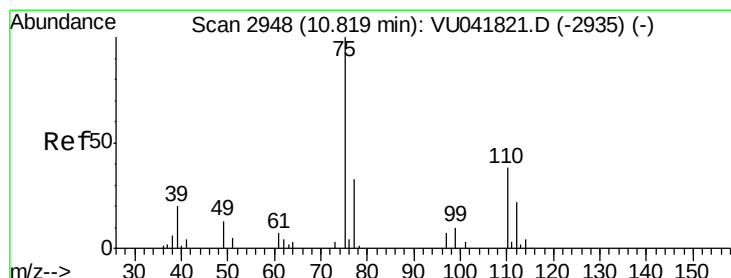
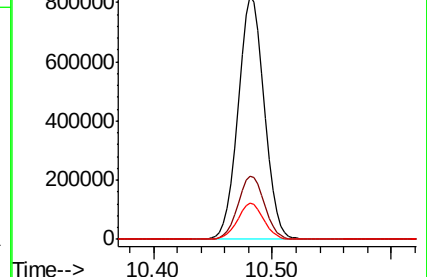
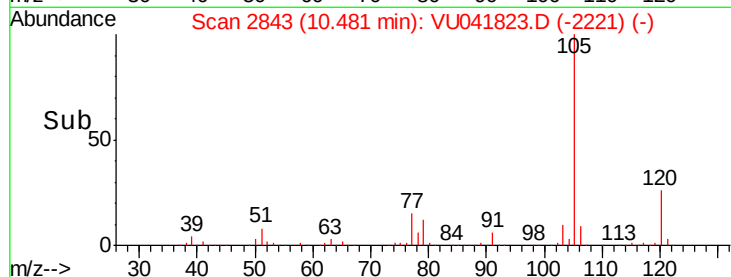
77 14.9 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 20.920 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041823.D

Acq: 28 Dec 2020 11:49

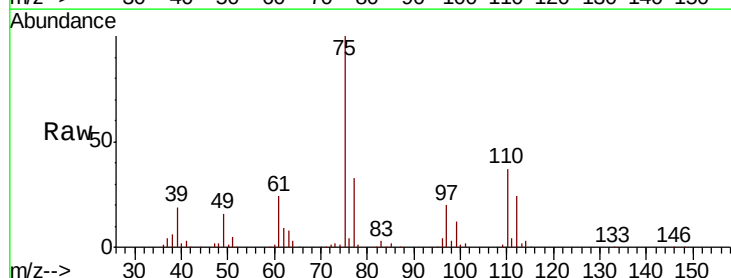
Tgt Ion: 75 Resp: 205376

Ion Ratio Lower Upper

75 100

110 37.5 31.5 47.3

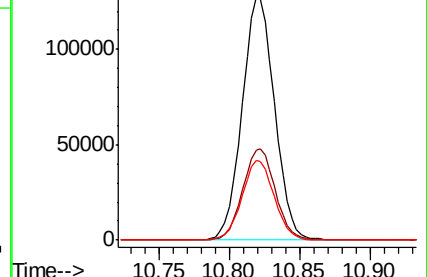
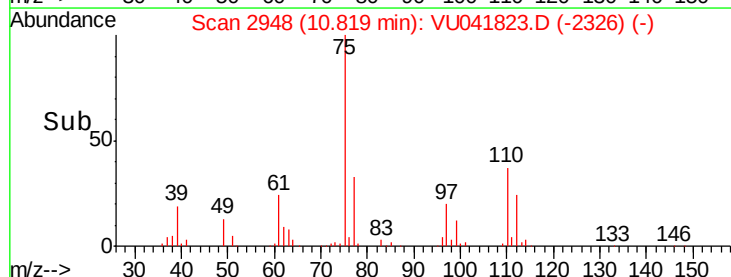
77 32.5 26.3 39.5

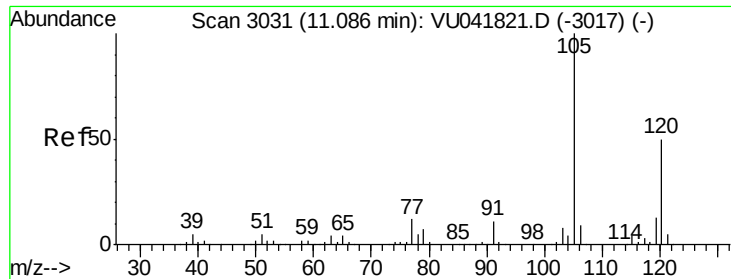


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

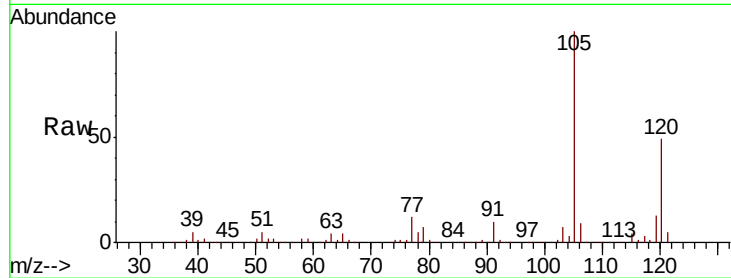




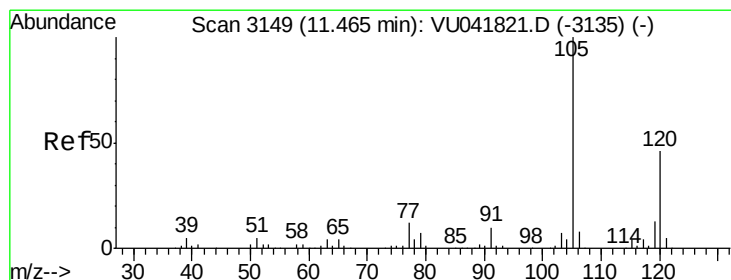
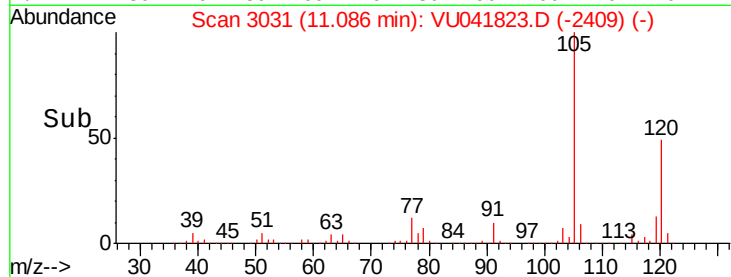
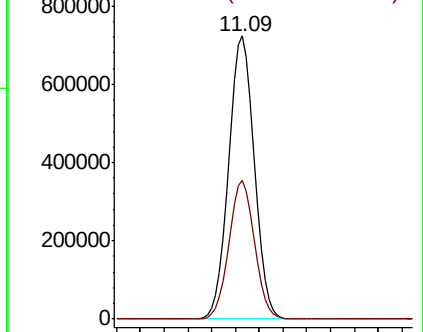
#62
 1,3,5-Trimethylbenzene
 Concen: 22.665 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

Tot Ion:105 Resp: 1079576
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.5 59.3

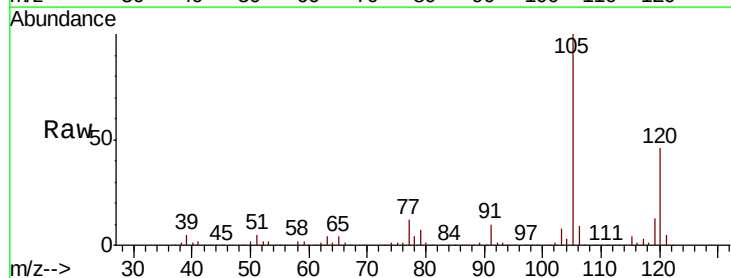


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

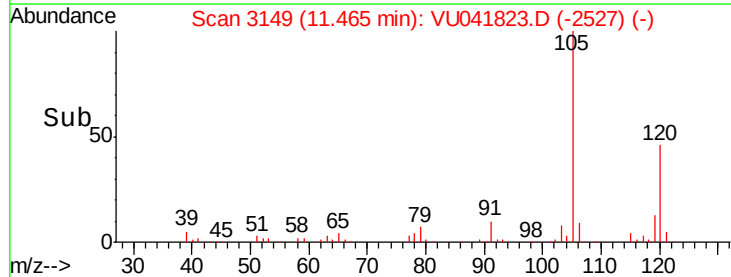
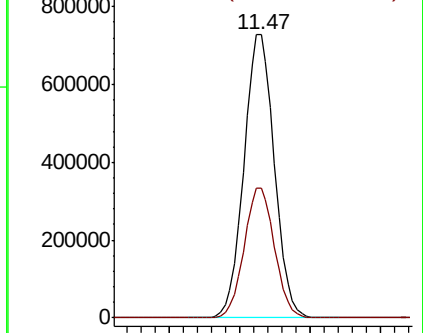


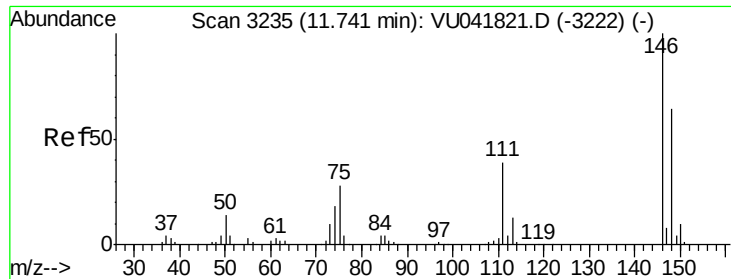
#63
 1,2,4-Trimethylbenzene
 Concen: 22.739 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion:105 Resp: 1097827
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

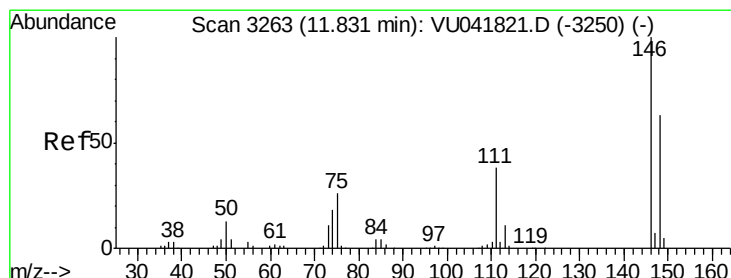
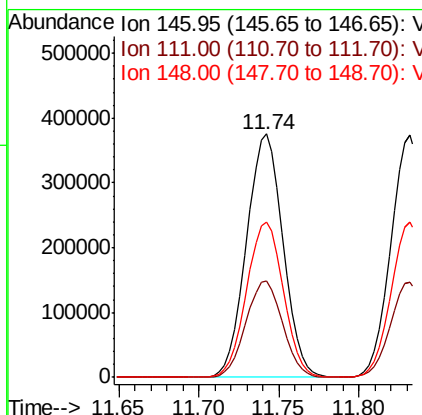
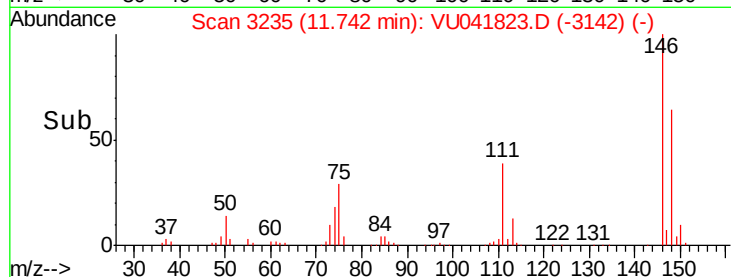
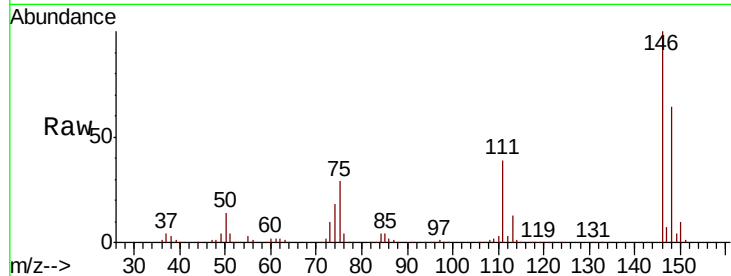




#64
 1,3-Dichlorobenzene
 Concen: 21.095 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

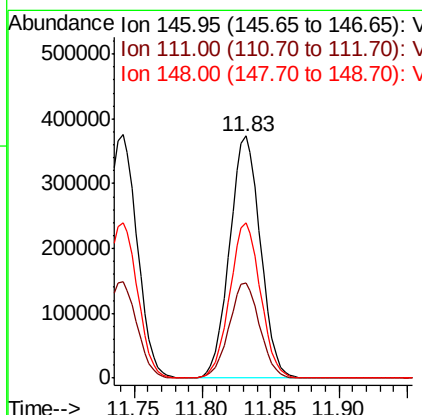
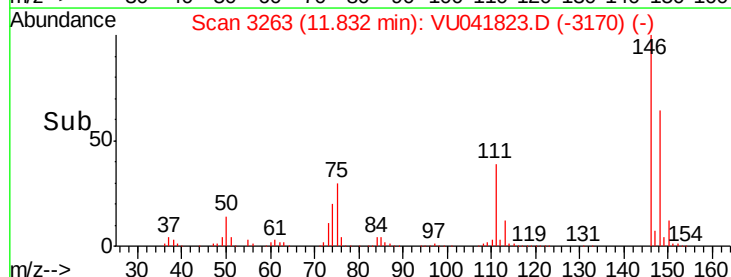
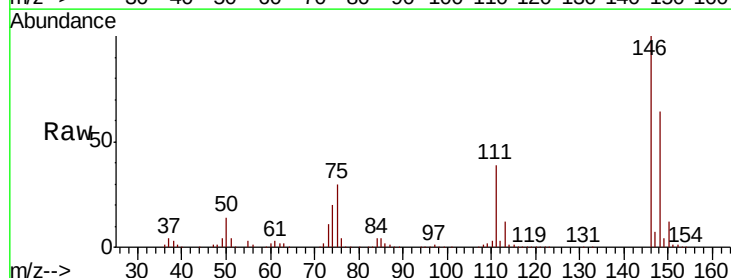
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

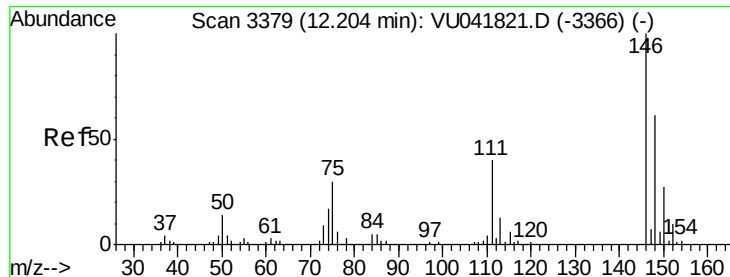
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.6	51.2
148	64.0	44.9	83.3



#65
 1,4-Dichlorobenzene
 Concen: 20.824 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	26.7	49.5
148	64.4	43.9	81.5

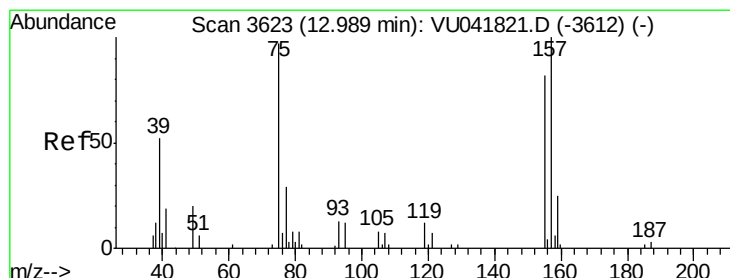
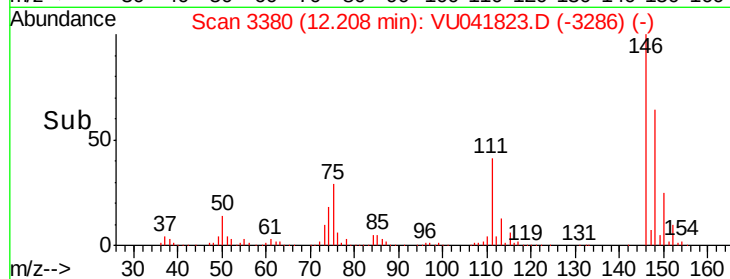
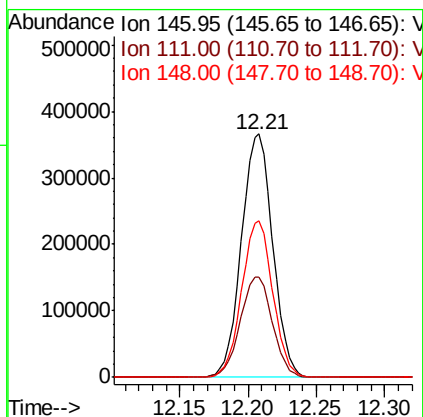
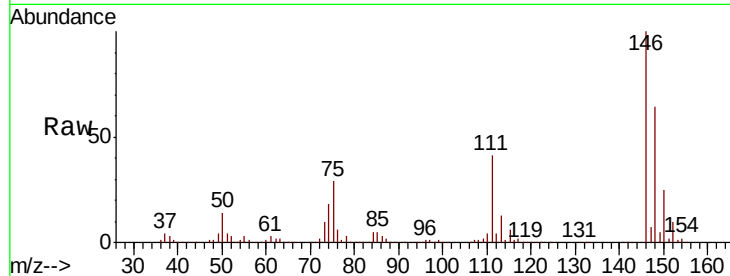




#67
 1,2-Dichlorobenzene
 Concen: 21.328 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

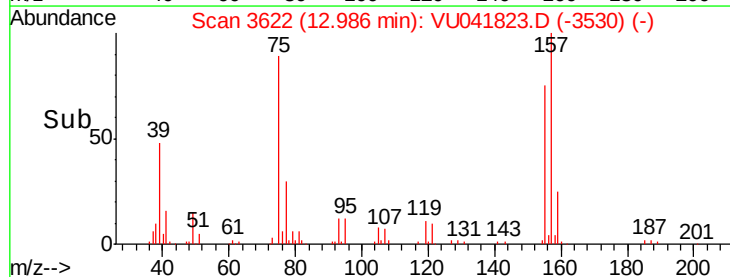
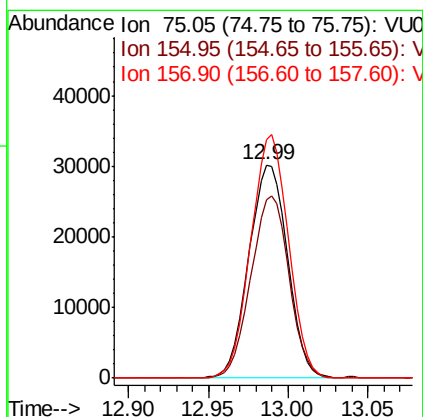
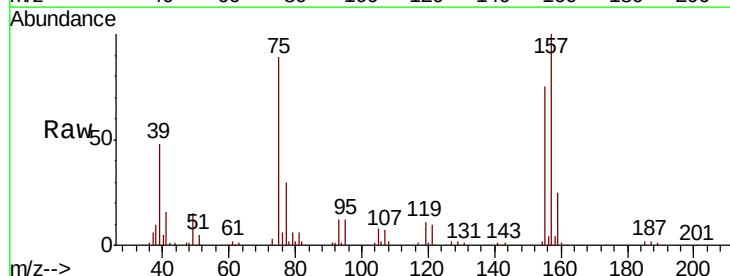
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

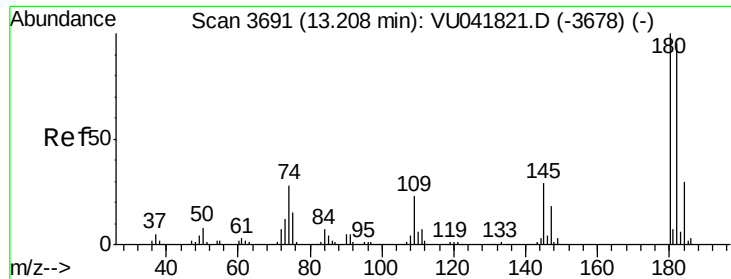
Tot Ion:146 Resp: 582754
 Ion Ratio Lower Upper
 146 100
 111 41.2 31.9 47.9
 148 64.4 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 19.351 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion: 75 Resp: 50132
 Ion Ratio Lower Upper
 75 100
 155 83.8 67.8 101.8
 157 112.3 82.4 123.6

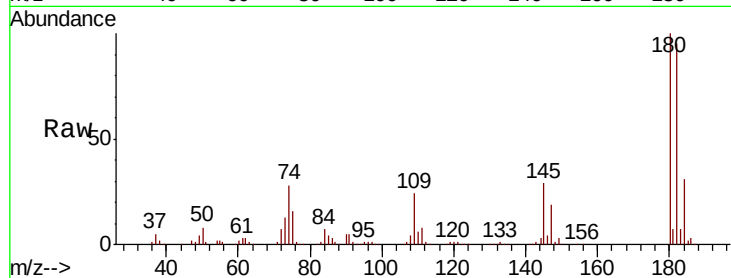




#69
 1,3,5-Trichlorobenzene
 Concen: 21.647 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020326

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
184	30.5	24.0	36.0
145	29.3	23.2	34.8



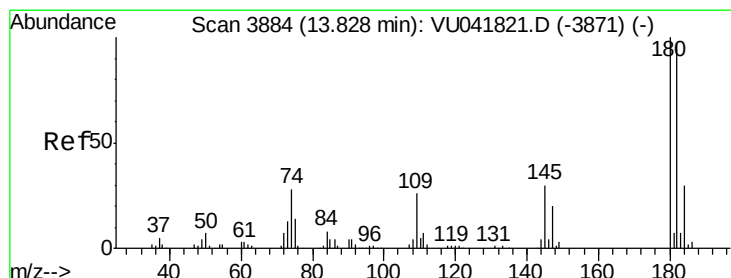
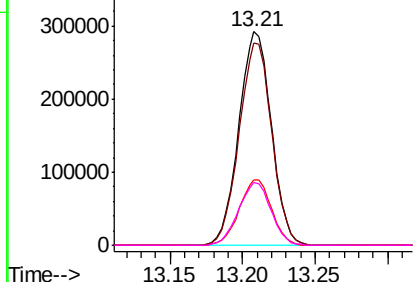
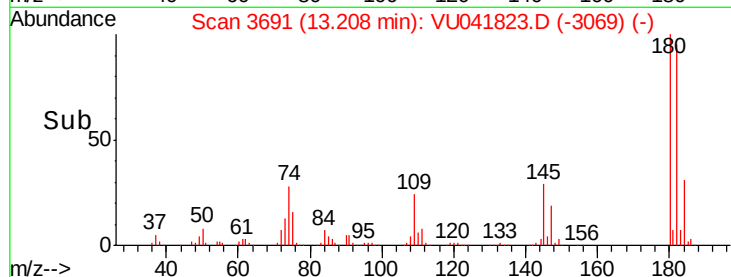
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

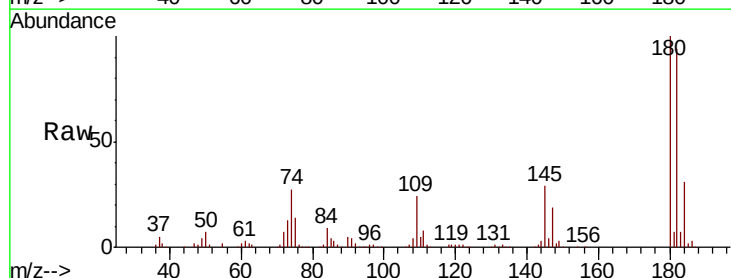
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 21.970 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041823.D
 Acq: 28 Dec 2020 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.5	114.7
145	29.9	24.1	36.1

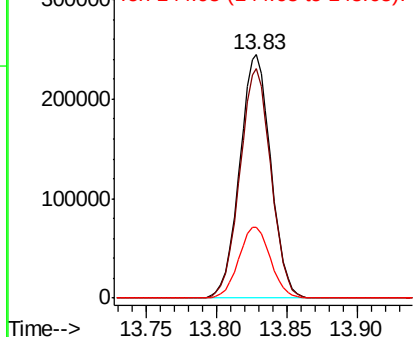
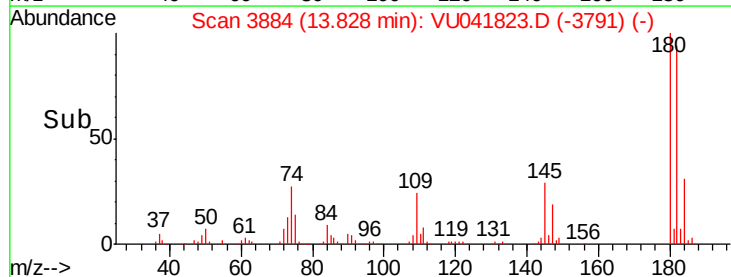


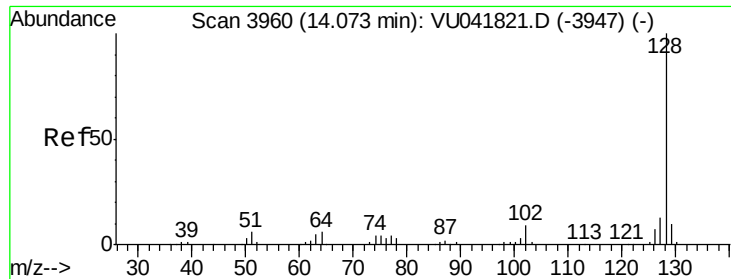
Abundance

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

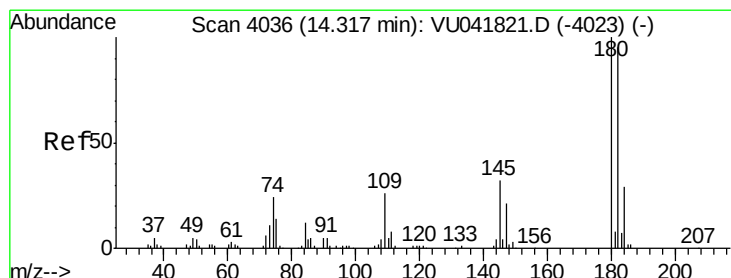
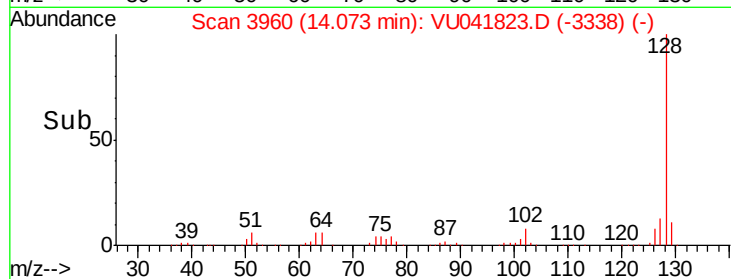
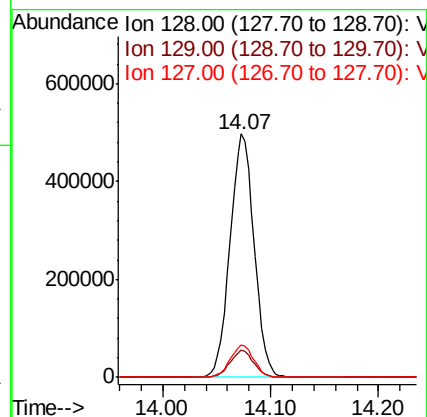
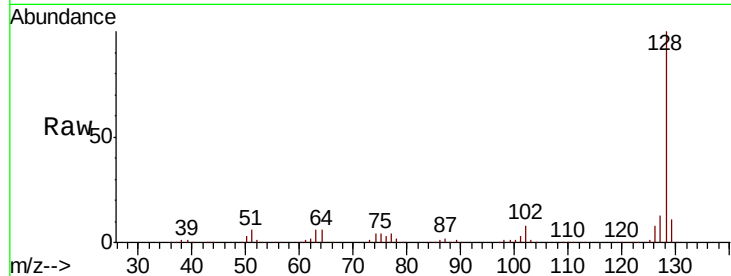




#71
Naphthalene
Concen: 27.042 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD020326

Tot Ion:128 Resp: 773754
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.1 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 22.834 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041823.D
Acq: 28 Dec 2020 11:49

Tgt Ion:180 Resp: 354828
Ion Ratio Lower Upper
180 100
182 95.6 75.8 113.8
145 32.2 25.0 37.4

