

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041081.D
 Acq On : 03 Nov 2020 16:36
 Operator : SY/MD
 Sample : L4614-06DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG1B1DL

Quant Time: Nov 04 01:00:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50966	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23073	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17346	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.92	69	13930	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	24595	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.65	46	76907	54.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.08%
24) Chloroform-d	5.08	84	34423	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.72	65	22617	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	62036	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	21700	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	49674	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.18	79	8754	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	55121	52.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20041	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	20312	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	138	0.046 ug/L #	43
16) Methylene chloride	3.06	84	633	0.151 ug/L	77
25) Chloroform	5.11	83	538	0.073 ug/L	89
27) 1,2-Dichloroethane	5.74	62	324	0.059 ug/L #	74
33) Benzene	5.75	78	488	0.032 ug/L	100
35) Methylcyclohexane	6.70	83	4924	0.838 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	2597	0.620 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	639	0.111 ug/L #	48
44) trans-1,3-Dichloropropene	8.19	75	389	0.072 ug/L #	51
45) 1,1,2-Trichloroethane	8.56	97	333	0.107 ug/L #	1
47) Tetrachloroethene	8.56	164	37724	13.029 ug/L	97
48) 2-Hexanone	8.69	43	1807	0.719 ug/L #	83
49) Dibromochloromethane	8.56	129	39498	10.913 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3201	1.026 ug/L #	88
67) 1,3,5-Trichlorobenzene	13.22	180	248	0.053 ug/L #	61
68) 1,2,4-trichlorobenzene	13.83	180	471	0.122 ug/L #	73
69) Naphthalene	14.08	128	1257	0.182 ug/L #	76

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 04 00:51:13 2020
Response via : Initial Calibration

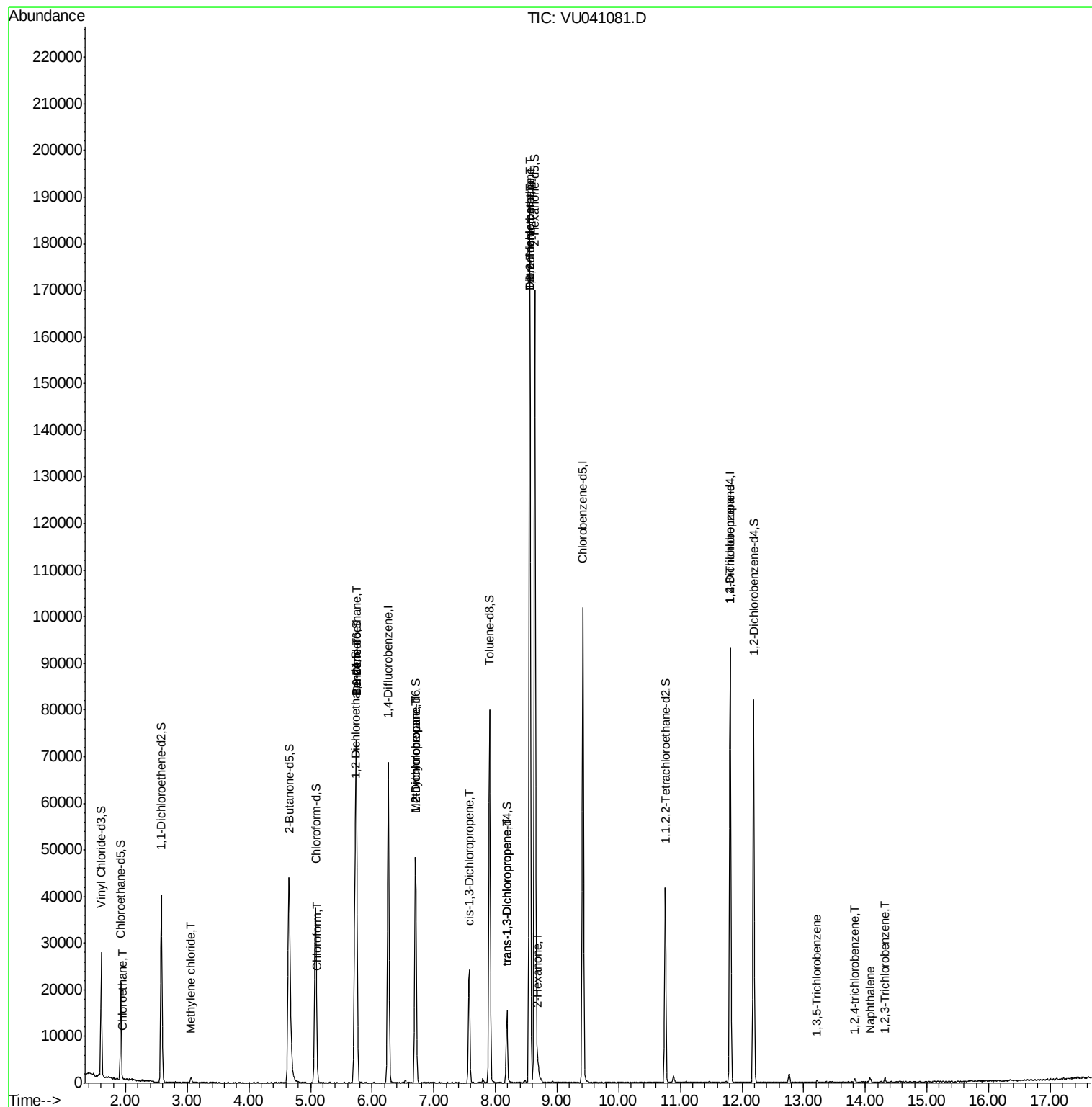
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	14.32	180	444	0.125	ug/L #	87

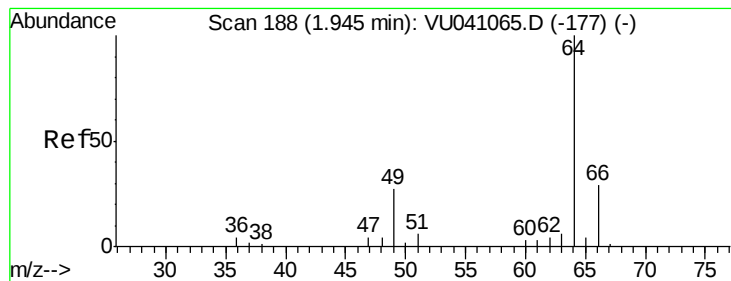
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.046 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

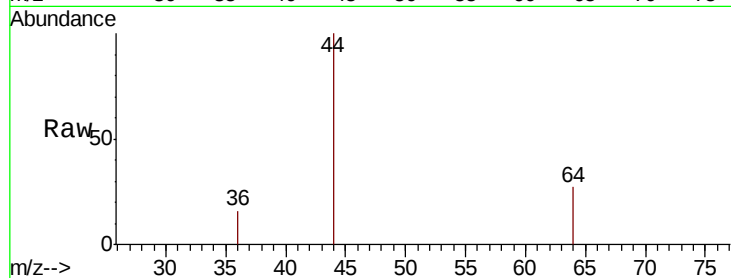
BG1B1DL

Tot Ion: 64 Resp: 138

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.95

150

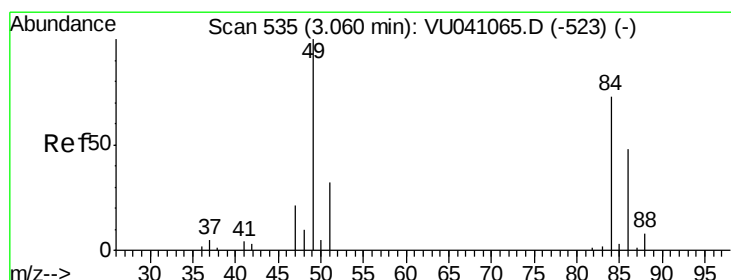
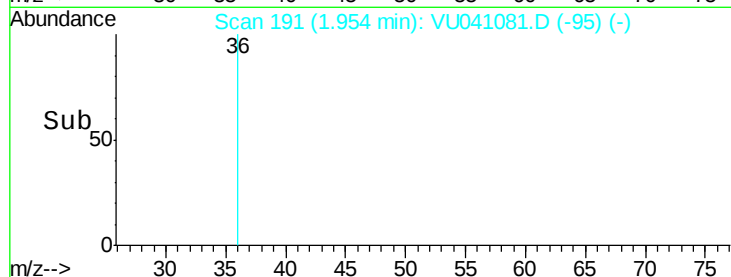
100

50

0

1.94 1.95 1.96 1.97

Time-->



#16

Methylene chloride

Concen: 0.151 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

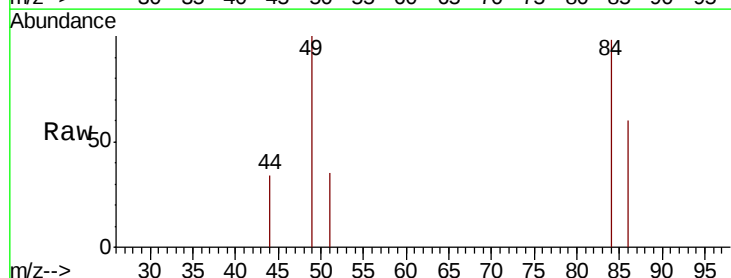
Tgt Ion: 84 Resp: 633

Ion Ratio Lower Upper

84 100

86 61.2 42.8 79.6

49 101.7 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

500

400

300

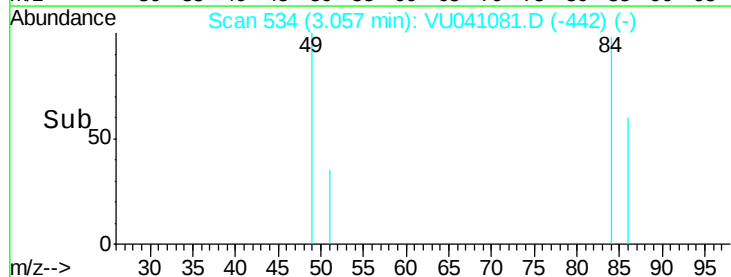
200

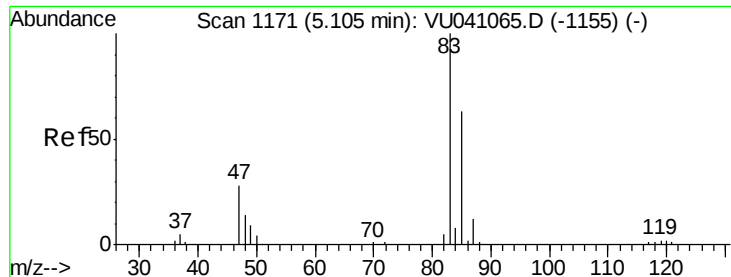
100

0

3.02 3.04 3.06 3.08 3.10

Time-->

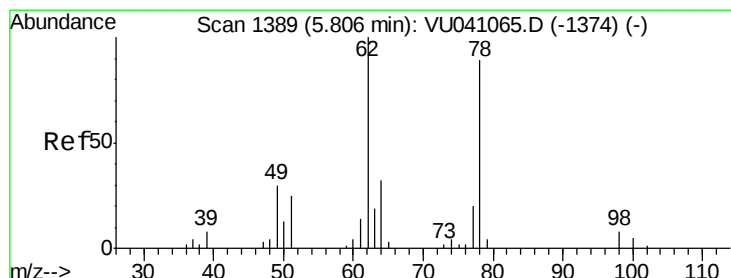
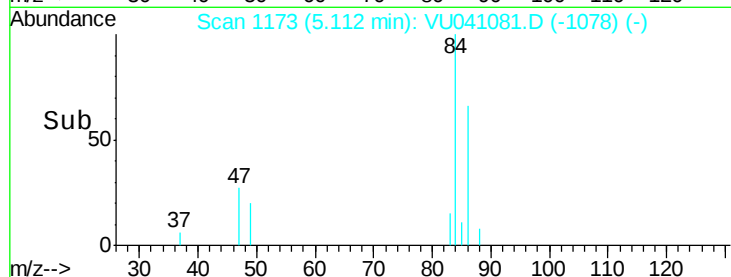
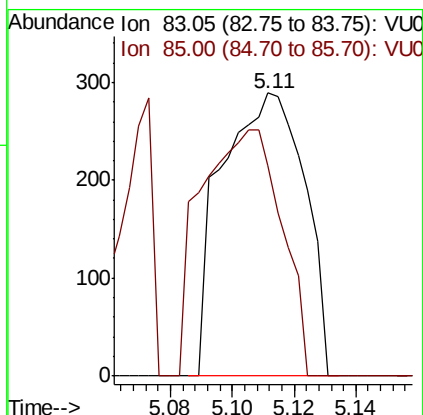
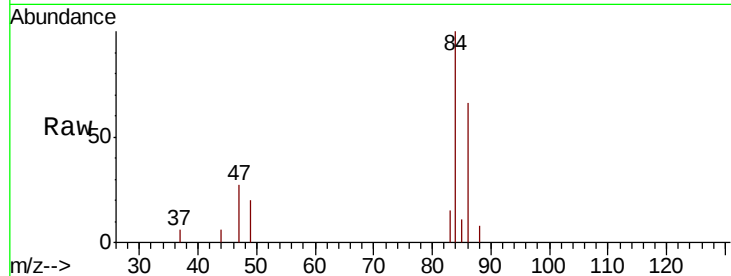




#25
Chloroform
Concen: 0.073 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041081.D
Acq: 03 Nov 2020 16:36

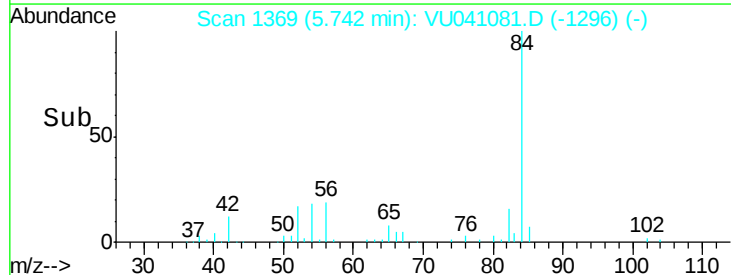
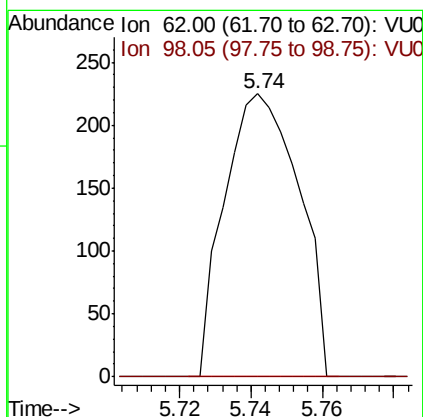
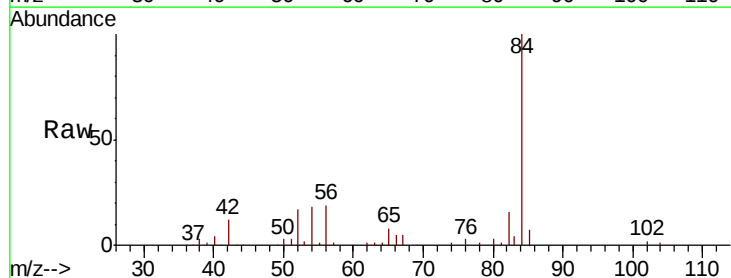
Instrument :
MSVOA_U
ClientSampleId :
BG1B1DL

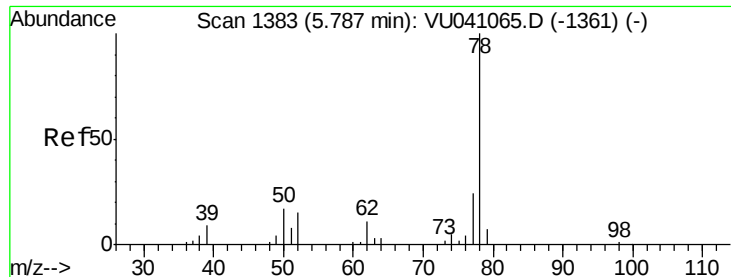
Tot Ion: 83 Resp: 538
Ion Ratio Lower Upper
83 100
85 74.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.059 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041081.D
Acq: 03 Nov 2020 16:36

Tgt Ion: 62 Resp: 324
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.032 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

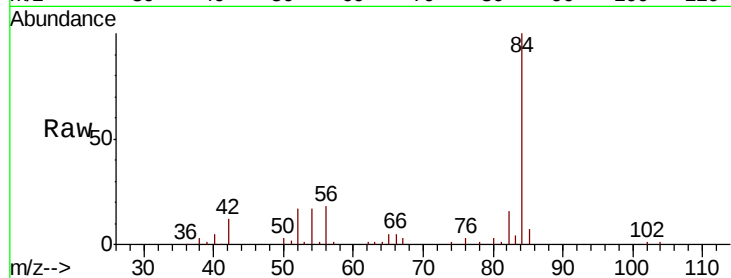
Instrument :

MSVOA_U

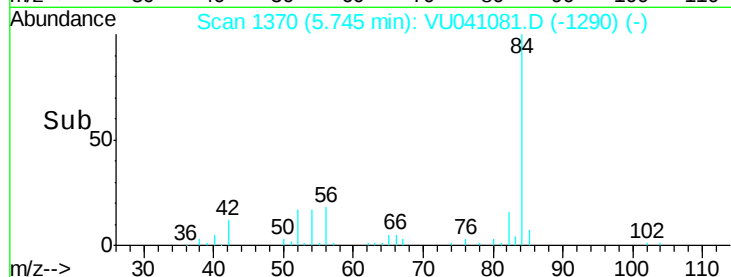
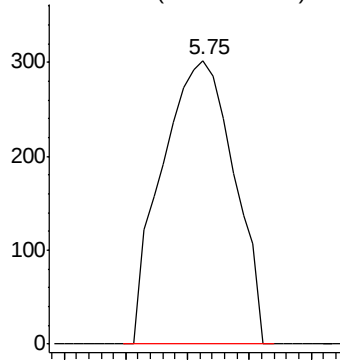
ClientSampleId :

BG1B1DL

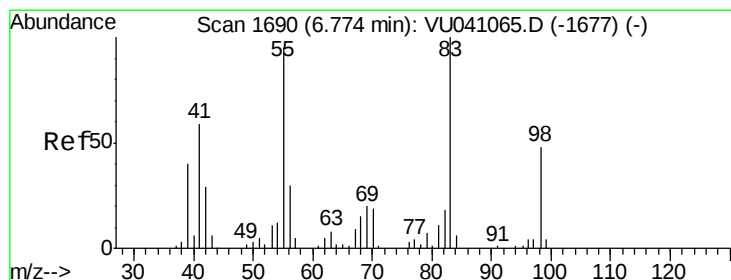
Tgt Ion: 78 Resp: 488



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#35

Methylcyclohexane

Concen: 0.838 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

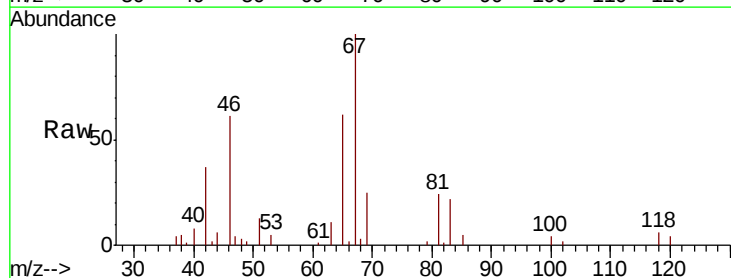
Tgt Ion: 83 Resp: 4924

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

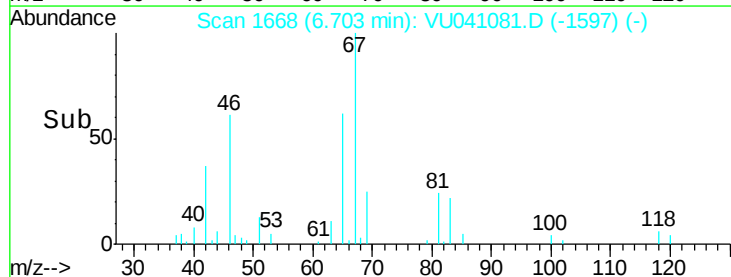
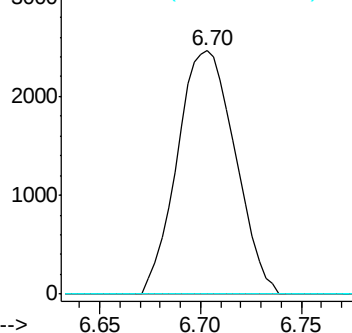
98 2.0 36.6 55.0#

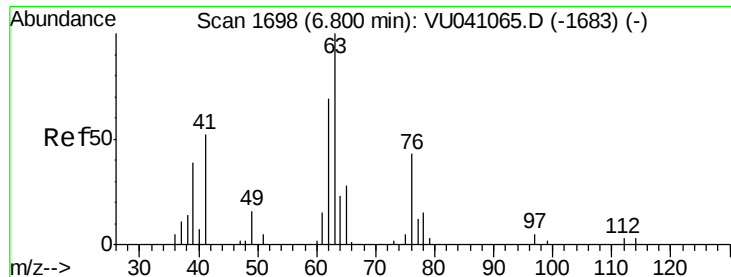


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

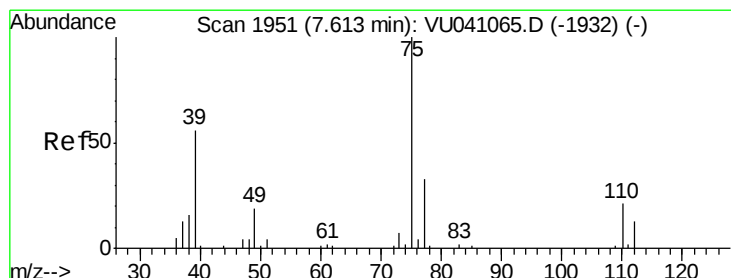
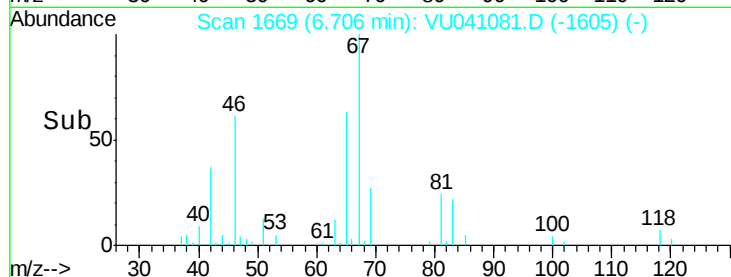
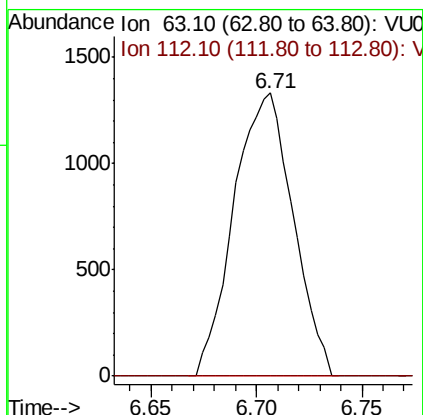
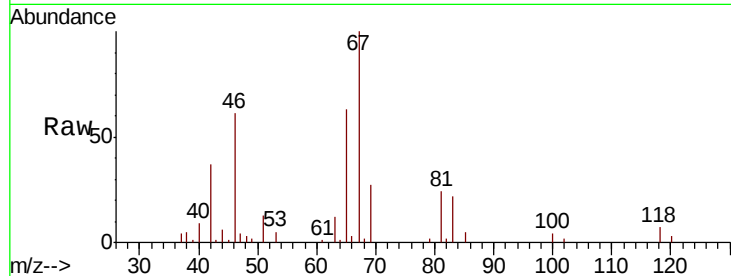




#37
 1,2-Dichloropropane
 Concen: 0.620 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU041081.D
 Acq: 03 Nov 2020 16:36

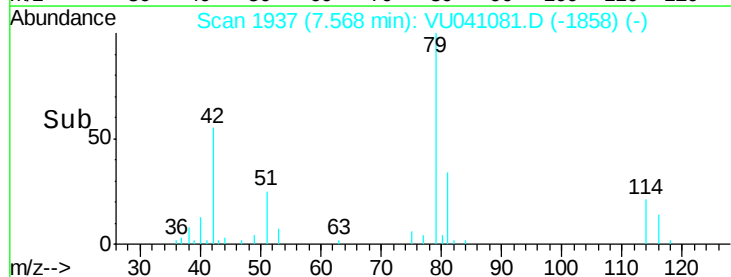
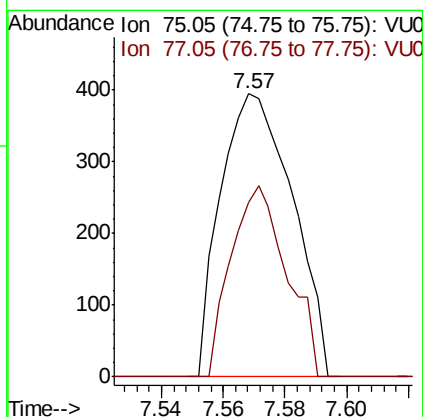
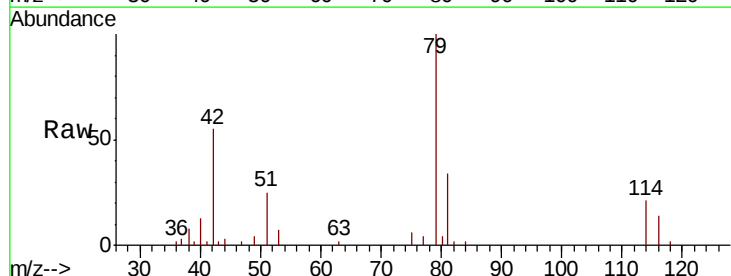
Instrument :
 MSVOA_U
 ClientSampleId :
 BG1B1DL

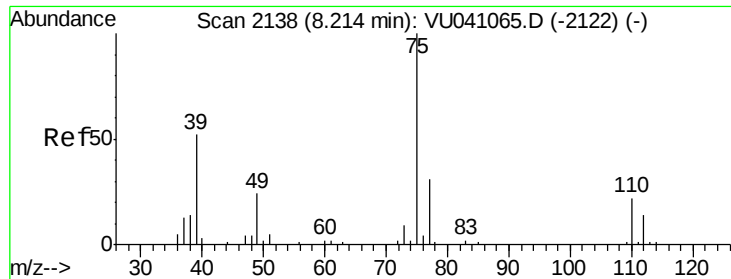
Tot Ion: 63 Resp: 2597
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU041081.D
 Acq: 03 Nov 2020 16:36

Tgt Ion: 75 Resp: 639
 Ion Ratio Lower Upper
 75 100
 77 61.5 22.7 42.3#

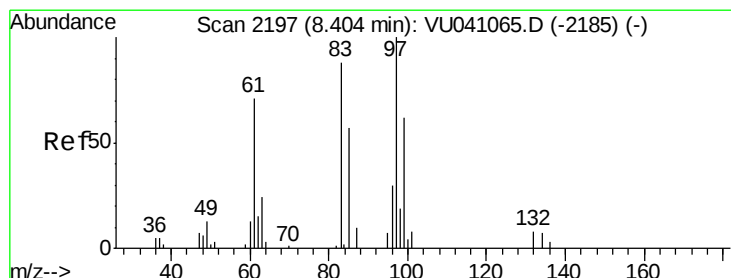
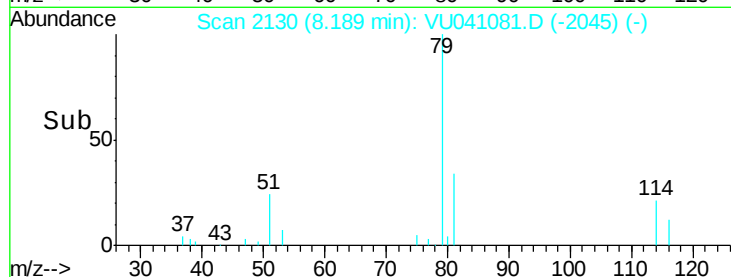
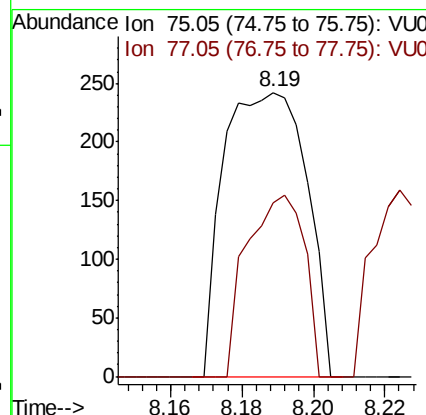
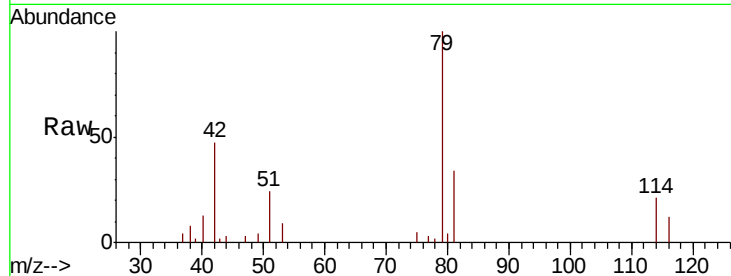




#44
trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041081.D
Acq: 03 Nov 2020 16:36

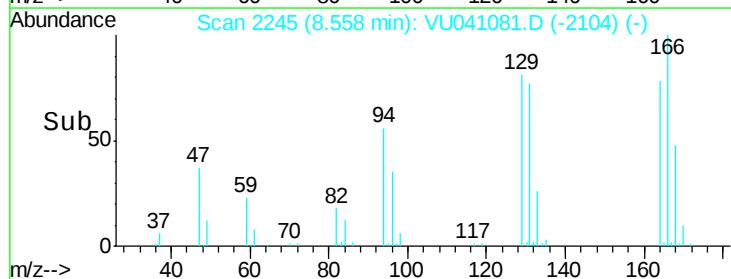
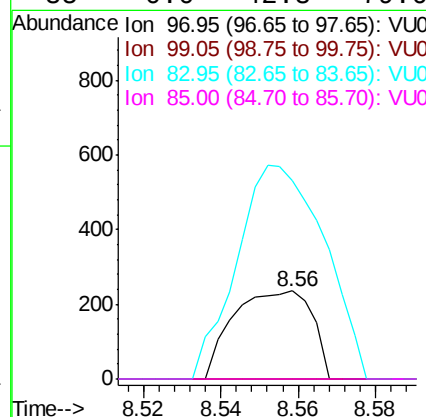
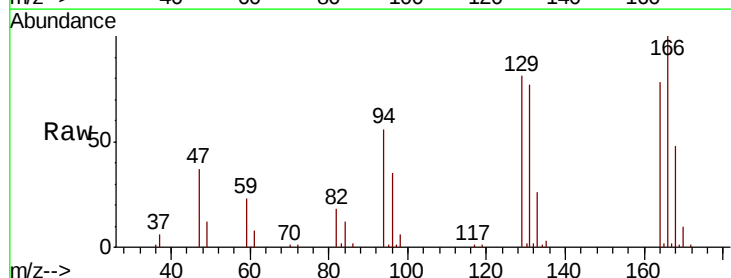
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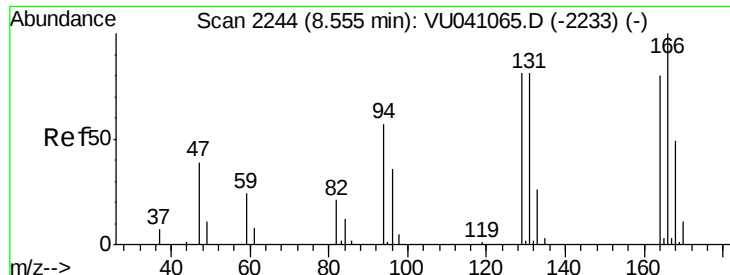
Tot Ion: 75 Resp: 389
Ion Ratio Lower Upper
75 100
77 61.2 23.3 43.3#



#45
1,1,2-Trichloroethane
Concen: 0.107 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.15 min
Lab File: VU041081.D
Acq: 03 Nov 2020 16:36

Tgt Ion: 97 Resp: 333
Ion Ratio Lower Upper
97 100
99 0.0 45.8 85.2#
83 226.4 67.9 126.1#
85 0.0 42.8 79.6#





#47

Tetrachloroethene

Concen: 13.029 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

BG1B1DL

Tot Ion:164 Resp: 37724

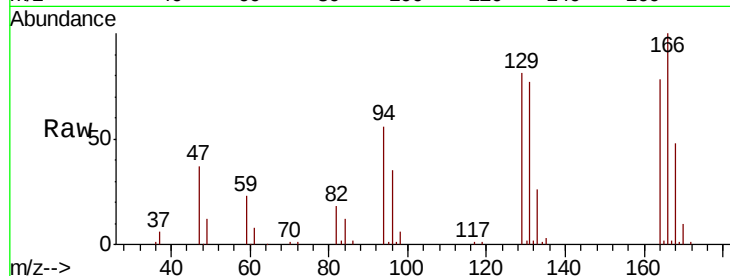
Ion Ratio Lower Upper

164 100

129 103.8 70.3 130.7

131 98.2 70.8 131.4

166 127.8 92.0 170.8

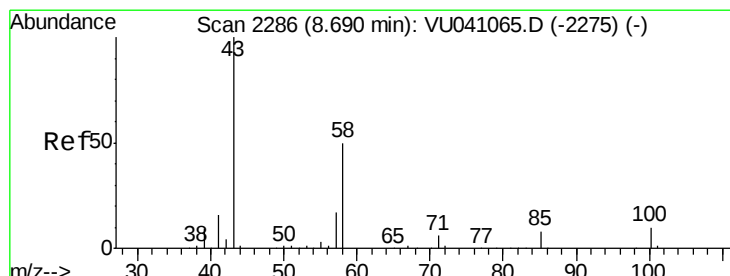
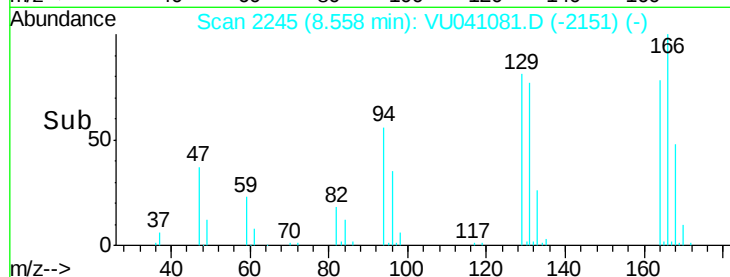
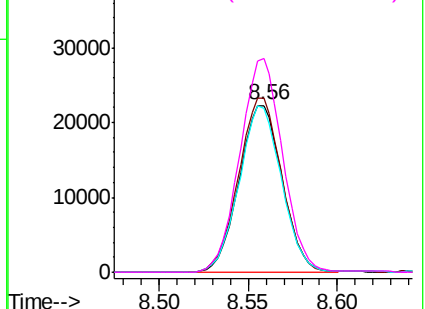


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 0.719 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

Tgt Ion: 43 Resp: 1807

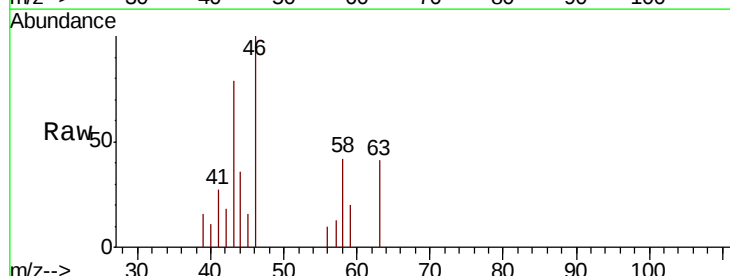
Ion Ratio Lower Upper

43 100

58 40.9 41.4 62.2#

57 12.0 14.6 21.8#

100 0.0 8.3 12.5#

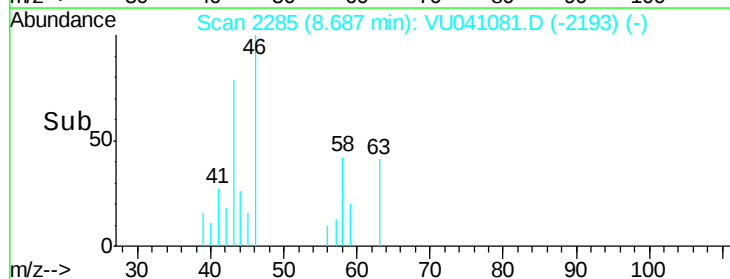
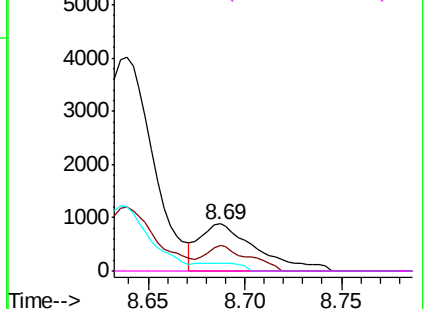


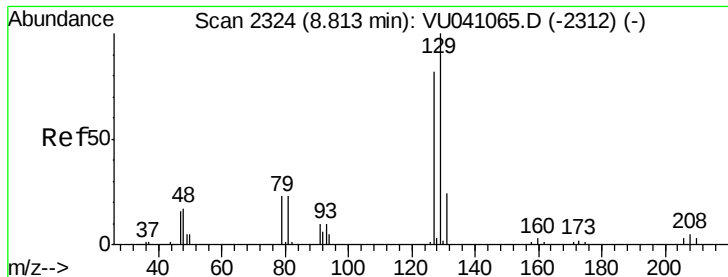
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 10.913 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

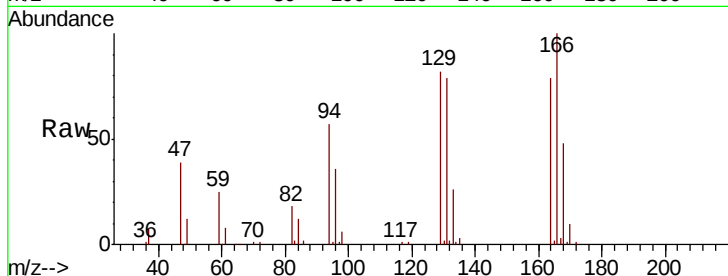
BG1B1DL

Tot Ion:129 Resp: 39498

Ion Ratio Lower Upper

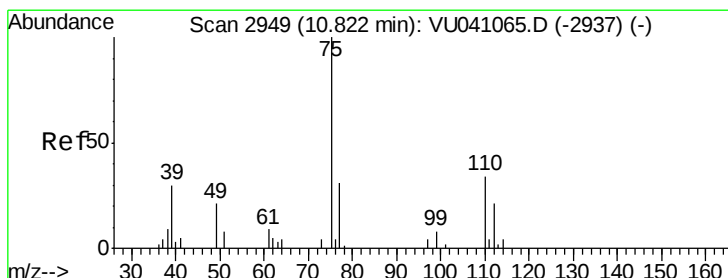
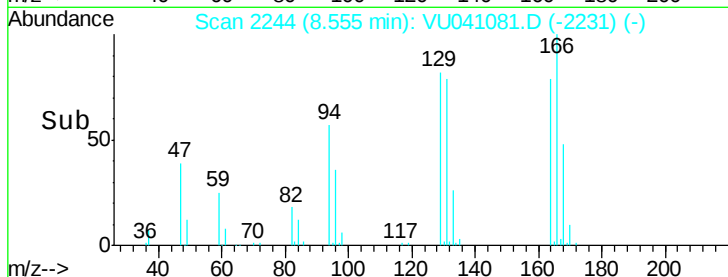
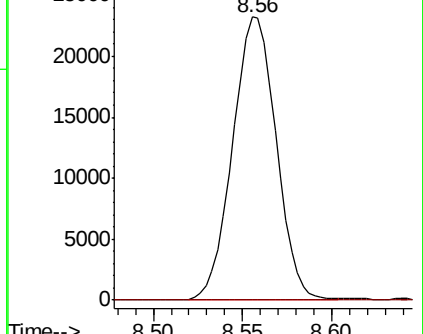
129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.026 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041081.D

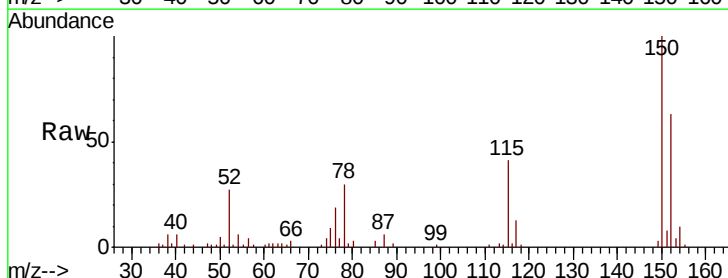
Acq: 03 Nov 2020 16:36

Tgt Ion: 75 Resp: 3201

Ion Ratio Lower Upper

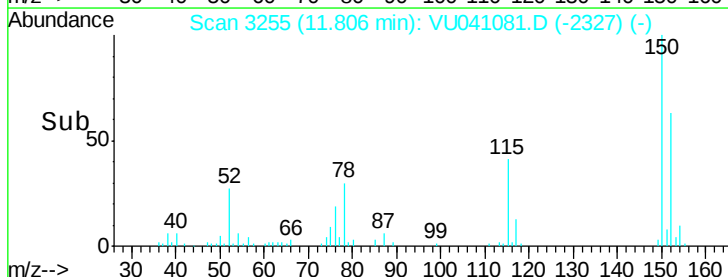
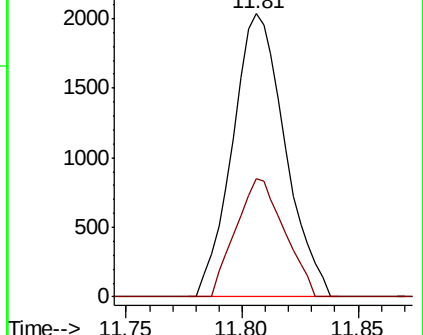
75 100

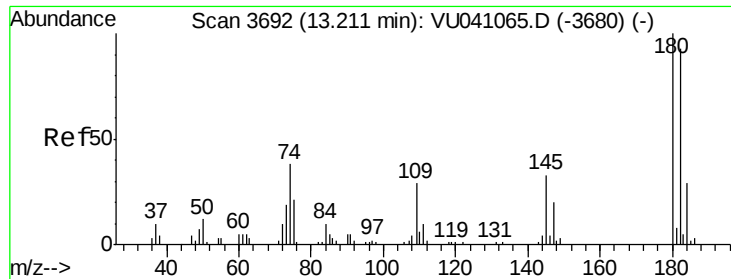
77 38.6 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

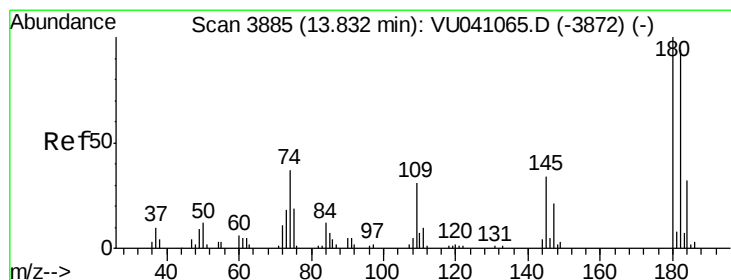
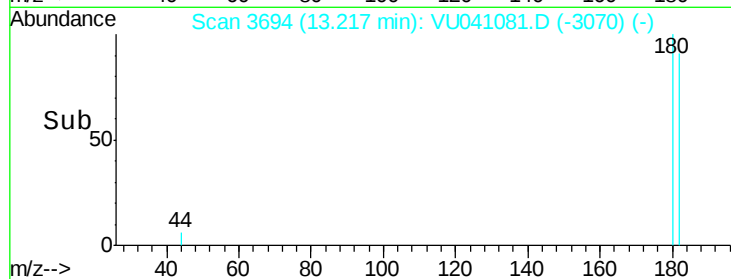
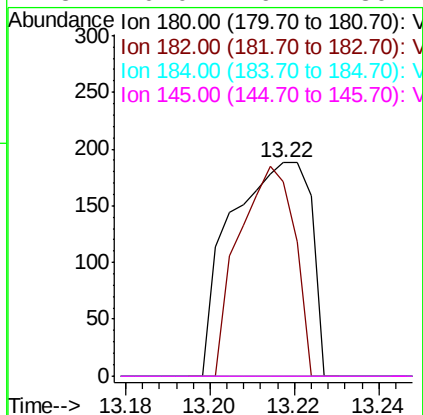
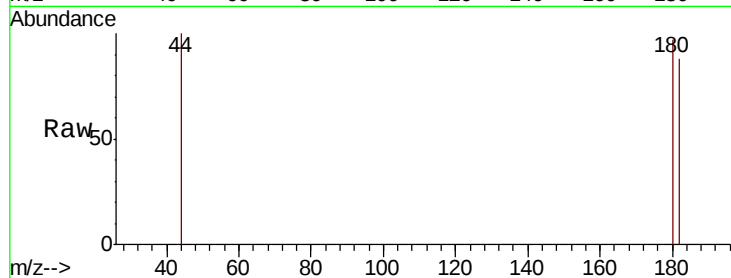




#67
 1,3,5-Trichlorobenzene
 Concen: 0.053 ug/L
 RT: 13.22 min Scan# 3694
 Delta R.T. 0.01 min
 Lab File: VU041081.D
 Acq: 03 Nov 2020 16:36

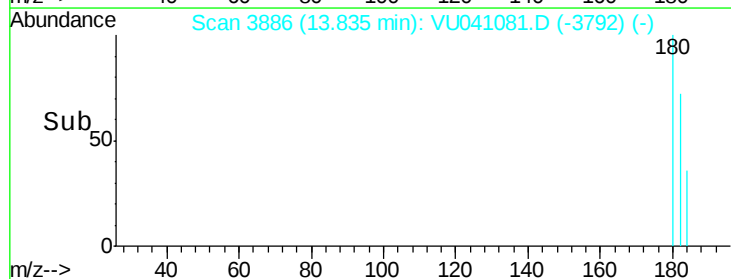
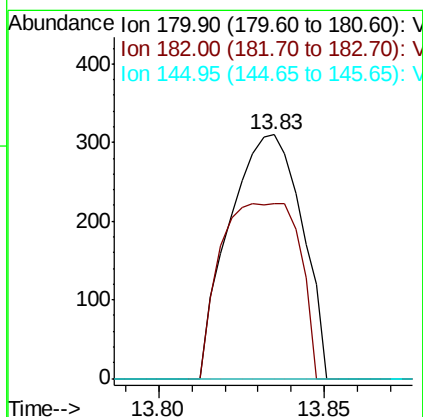
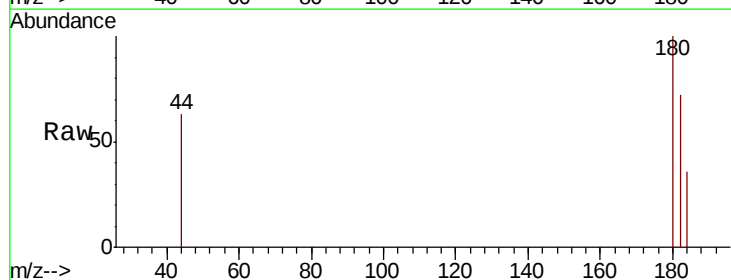
Instrument :
 MSVOA_U
 ClientSampleId :
 BG1B1DL

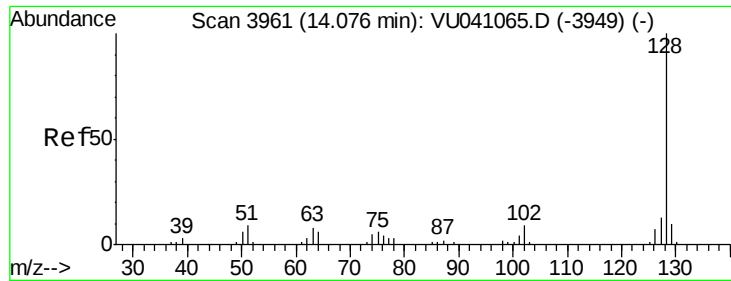
Tot Ion:180 Resp: 248
 Ion Ratio Lower Upper
 180 100
 182 67.7 75.7 113.5#
 184 0.0 23.7 35.5#
 145 0.0 26.1 39.1#



#68
 1,2,4-trichlorobenzene
 Concen: 0.122 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU041081.D
 Acq: 03 Nov 2020 16:36

Tgt Ion:180 Resp: 471
 Ion Ratio Lower Upper
 180 100
 182 77.7 73.5 110.3
 145 0.0 26.6 40.0#





#69

Naphthalene

Concen: 0.182 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

BG1B1DL

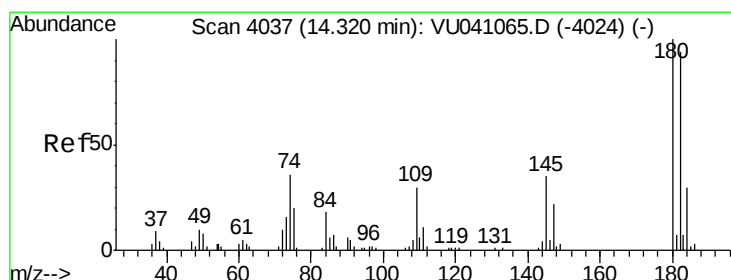
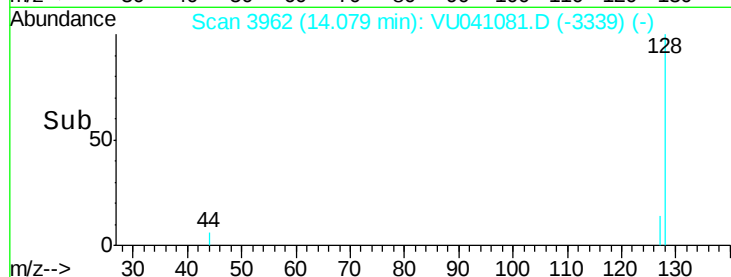
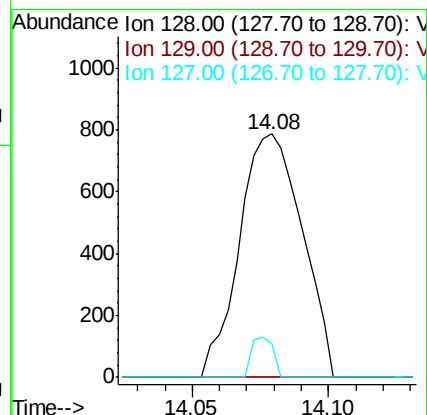
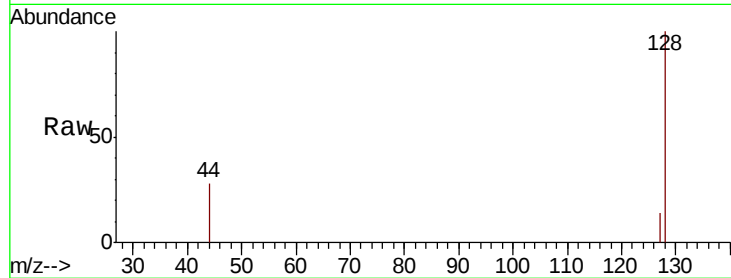
Tot Ion:128 Resp: 1257

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 5.6 10.8 16.2#



#70

1,2,3-Trichlorobenzene

Concen: 0.125 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041081.D

Acq: 03 Nov 2020 16:36

Tgt Ion:180 Resp: 444

Ion Ratio Lower Upper

180 100

182 100.7 77.7 116.5

145 14.9 29.4 44.0#

