

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041082.D
 Acq On : 03 Nov 2020 16:59
 Operator : SY/MD
 Sample : L4614-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Nov 04 01:00:49 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	48568	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49521	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21507	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17378	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.92	69	13572	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.58	63	25379	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.65	46	73474	54.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.36%
24) Chloroform-d	5.08	84	34443	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	22017	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.74	84	61132	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	21651	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	48052	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	8.19	79	8819	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.64	63	50235	49.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19599	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	19579	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

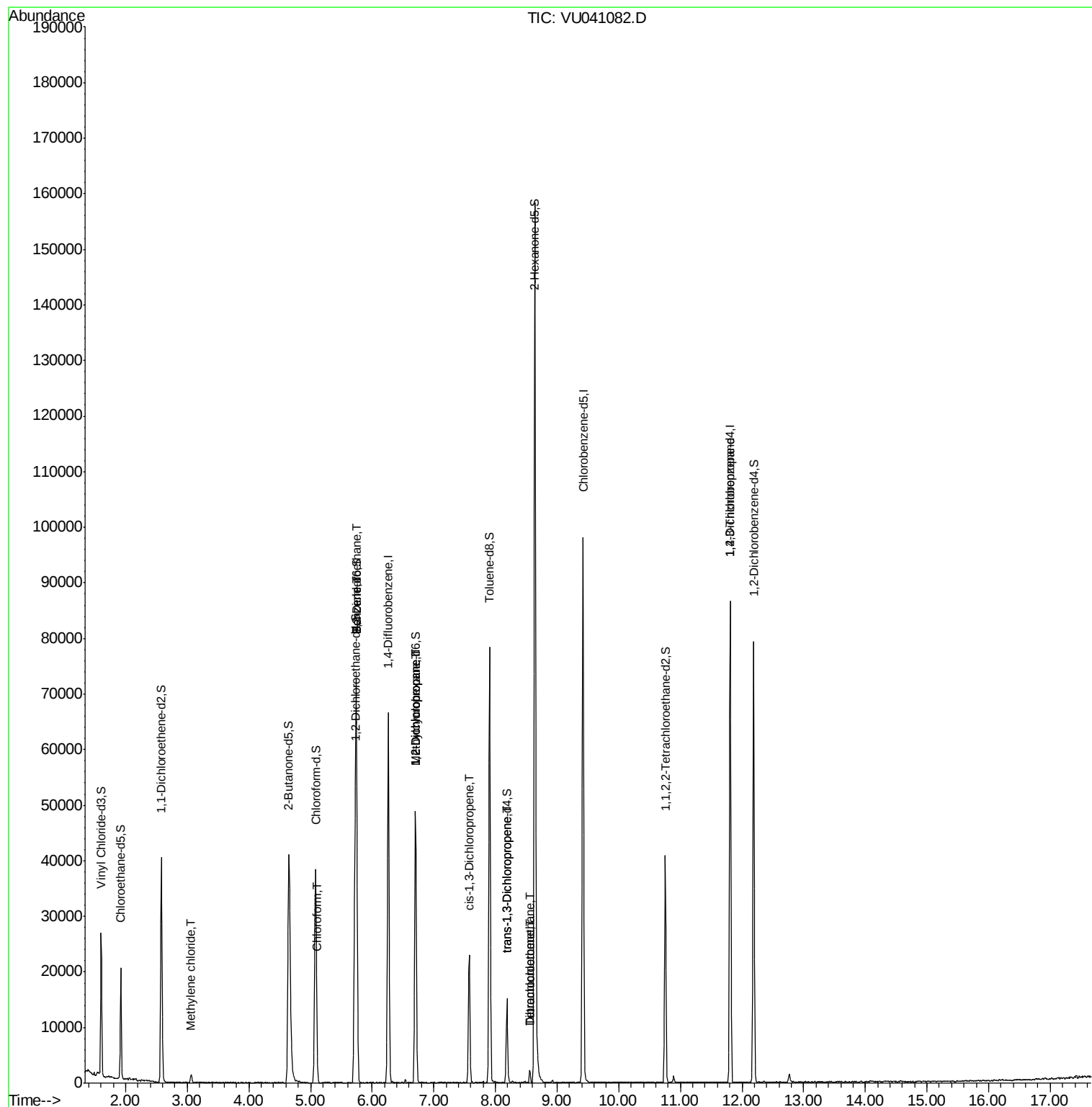
					Ovalue
16) Methylene chloride	3.06	84	633	0.158 ug/L	83
25) Chloroform	5.11	83	666	0.095 ug/L	75
27) 1,2-Dichloroethane	5.75	62	216	0.041 ug/L #	74
33) Benzene	5.74	78	363	0.025 ug/L	100
35) Methylcyclohexane	6.70	83	5042	0.898 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2524	0.630 ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	611	0.111 ug/L #	62
44) trans-1,3-Dichloropropene	8.19	75	256	0.050 ug/L #	66
47) Tetrachloroethene	8.56	164	432	0.156 ug/L	87
49) Dibromochloromethane	8.56	129	496	0.143 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	2807	0.941 ug/L	98

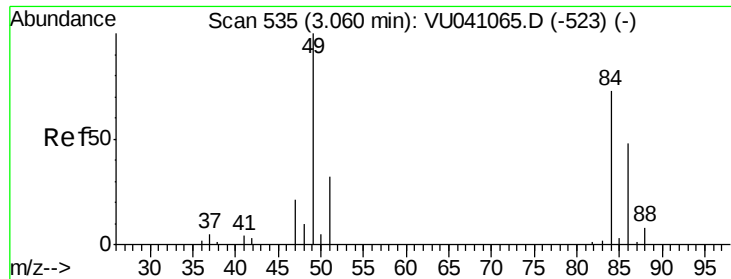
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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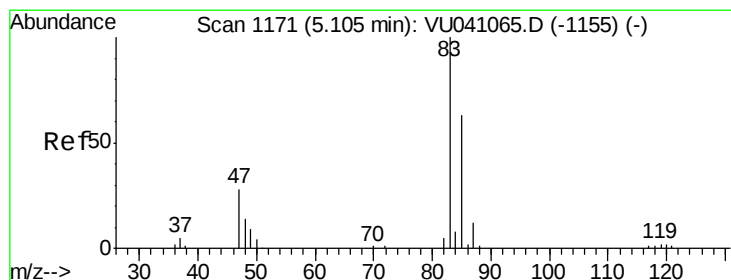
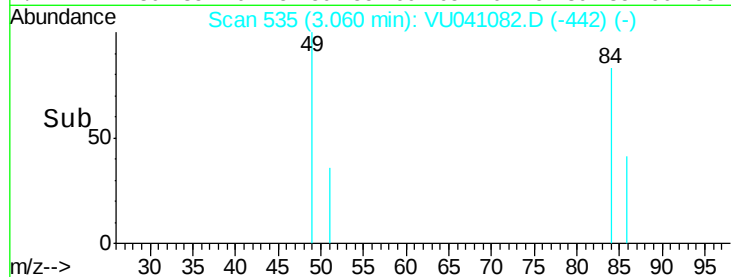
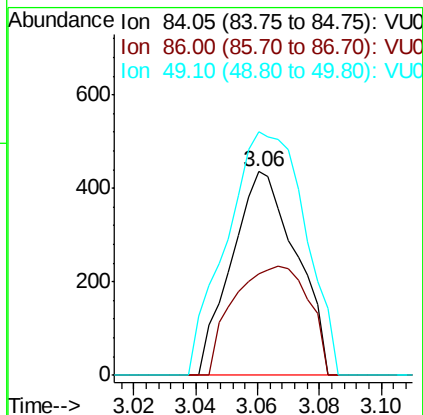
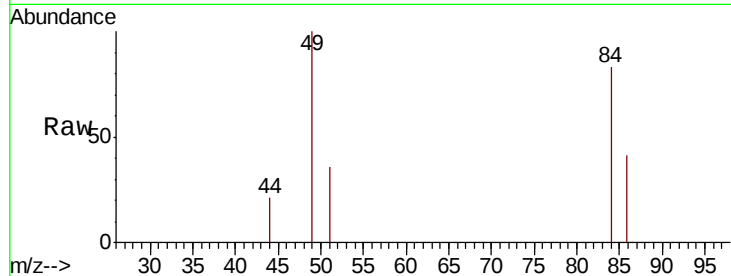




#16
Methvlene chloride
Concen: 0.158 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041082.D
Acq: 03 Nov 2020 16:59

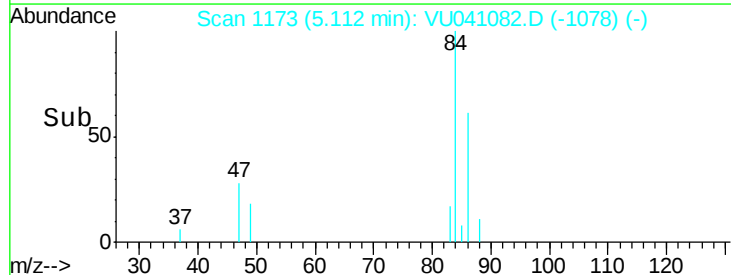
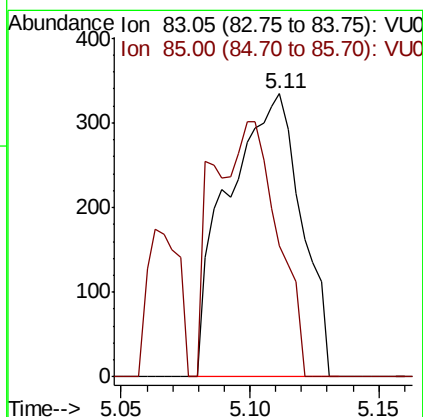
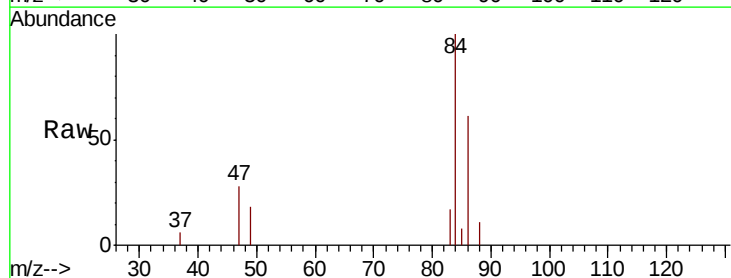
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

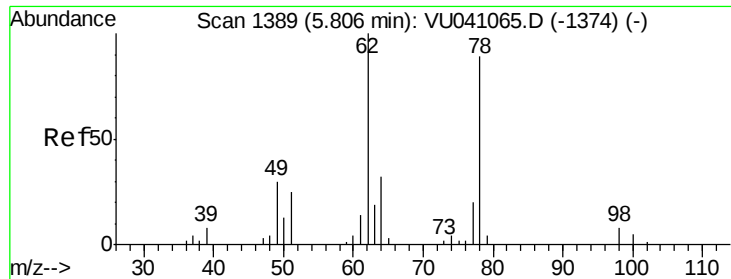
Tot Ion: 84 Resp: 633
Ion Ratio Lower Upper
84 100
86 49.7 42.8 79.6
49 119.8 99.5 184.7



#25
Chloroform
Concen: 0.095 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041082.D
Acq: 03 Nov 2020 16:59

Tgt Ion: 83 Resp: 666
Ion Ratio Lower Upper
83 100
85 46.4 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.041 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041082.D

Acq: 03 Nov 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

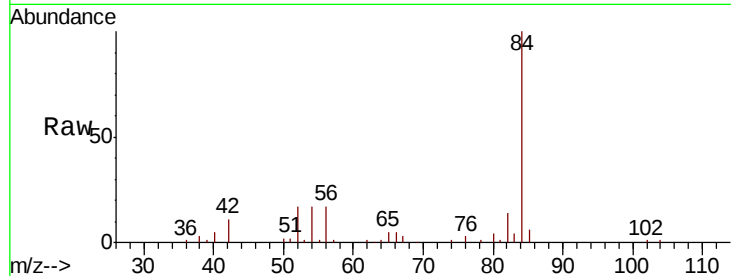
VHBLK01

Tot Ion: 62 Resp: 216

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.75

250

200

150

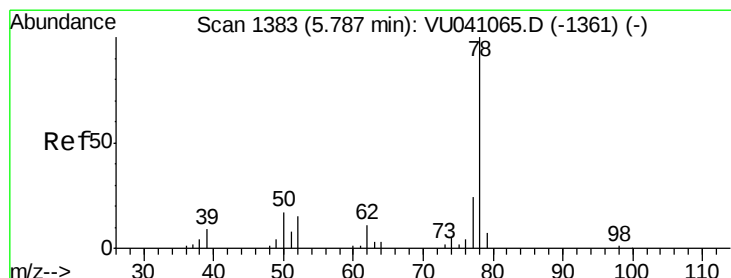
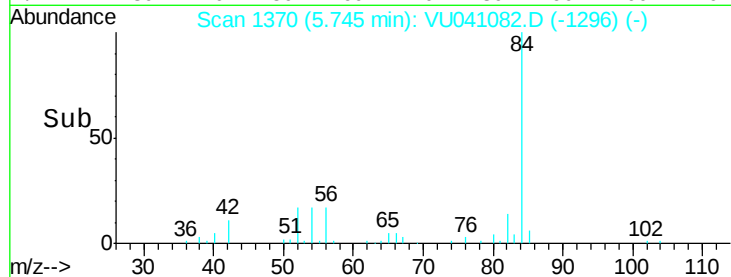
100

50

0

5.72 5.74 5.76

Time-->



#33

Benzene

Concen: 0.025 ug/L

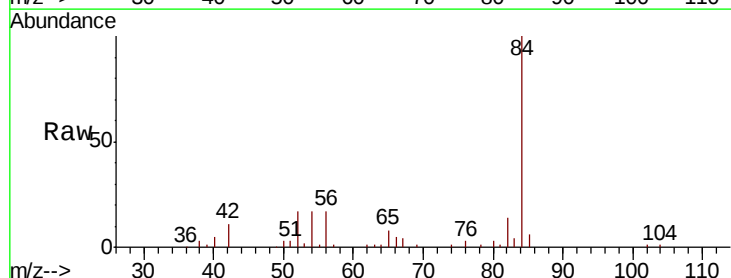
RT: 5.74 min Scan# 1369

Delta R.T. -0.05 min

Lab File: VU041082.D

Acq: 03 Nov 2020 16:59

Tgt Ion: 78 Resp: 363



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.74

250

200

150

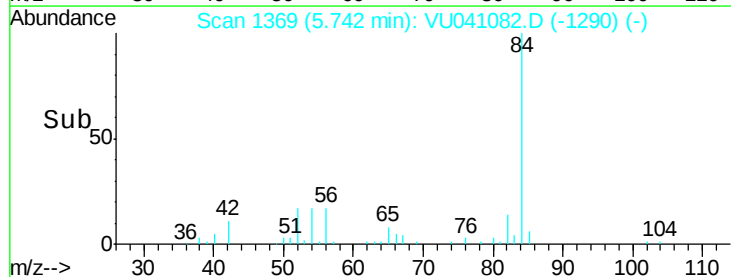
100

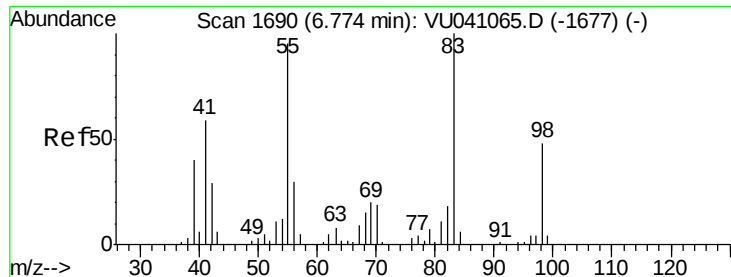
50

0

5.70 5.72 5.74 5.76

Time-->

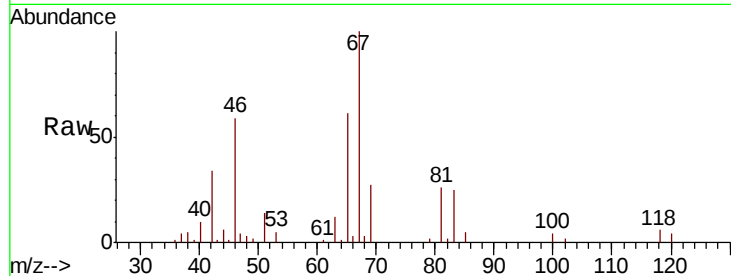




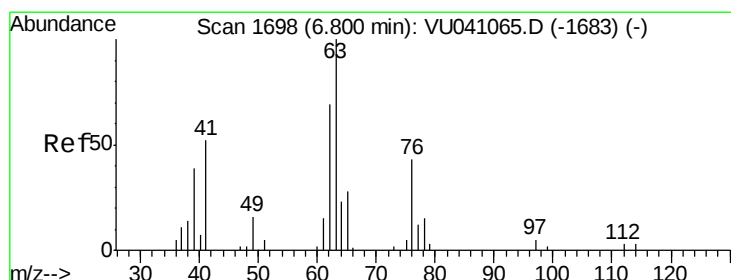
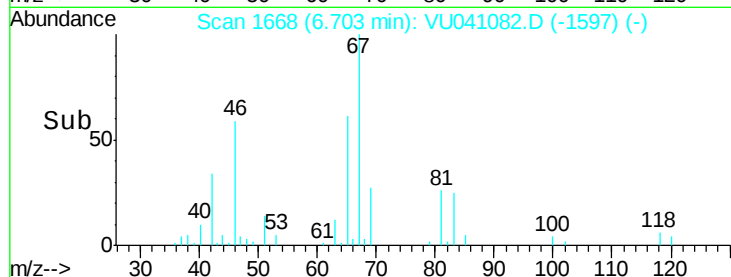
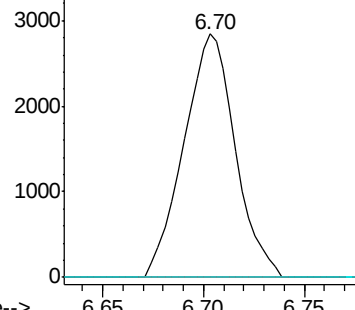
#35
Methvlcvclohexane
Concen: 0.898 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041082.D
Acq: 03 Nov 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion: 83 Resp: 5042
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 2.0 36.6 55.0#

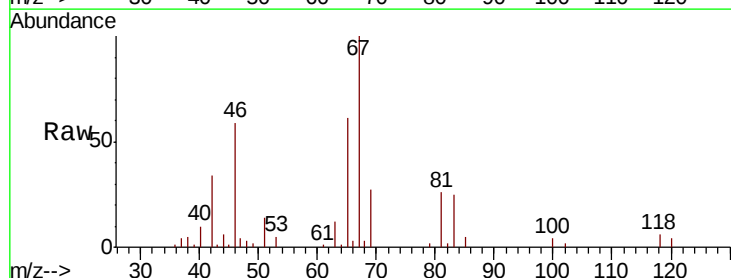


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

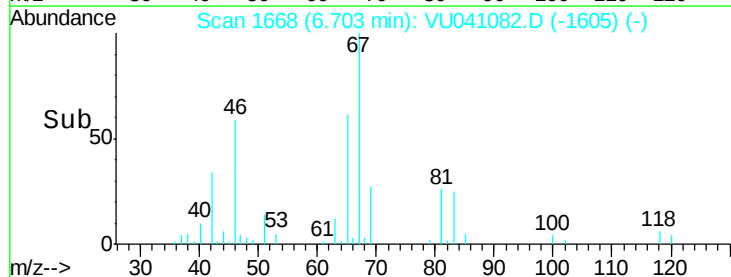
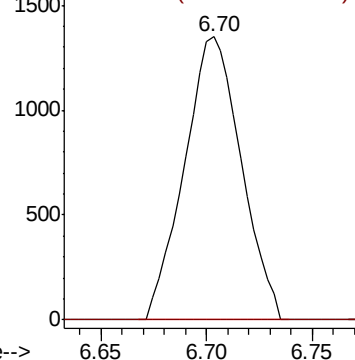


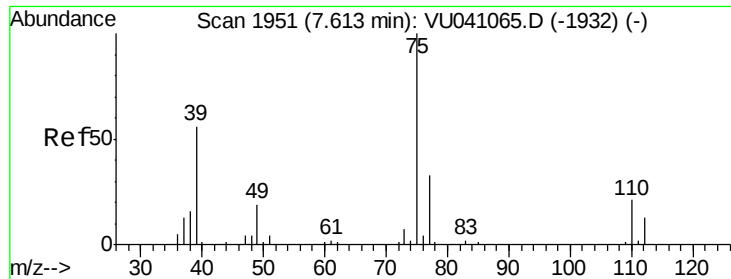
#37
1,2-Dichloropropane
Concen: 0.630 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041082.D
Acq: 03 Nov 2020 16:59

Tgt Ion: 63 Resp: 2524
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

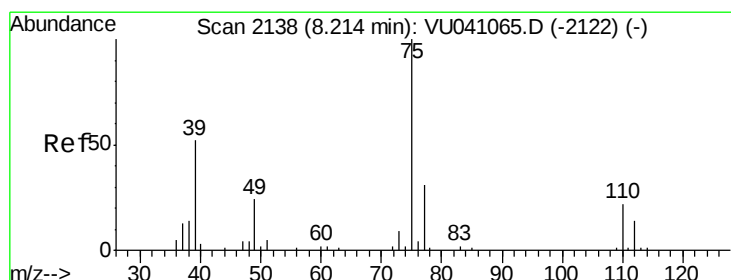
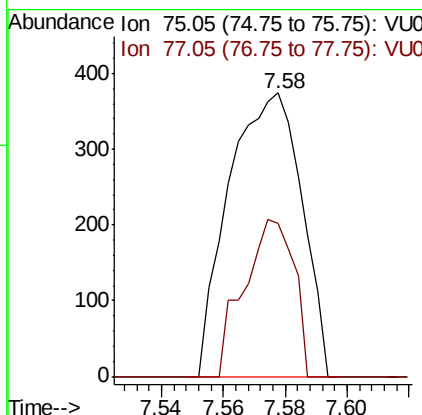
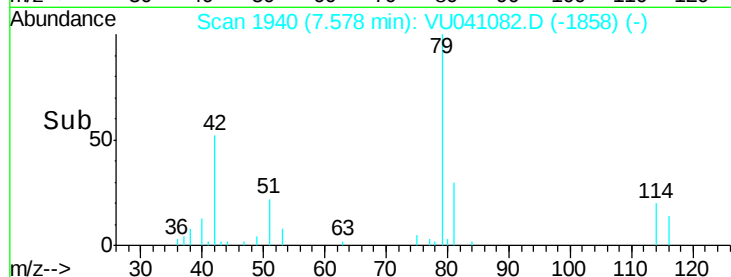
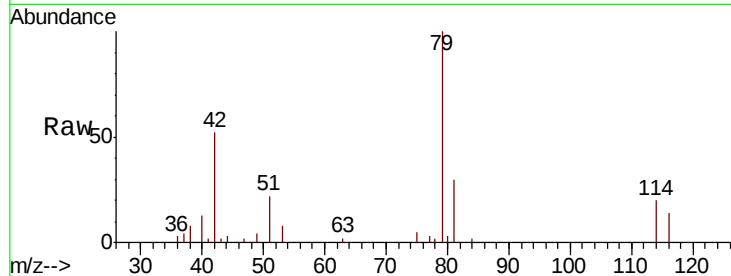




#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.58 min Scan# 1940
Delta R.T. -0.04 min
Lab File: VU041082.D
Acq: 03 Nov 2020 16:59

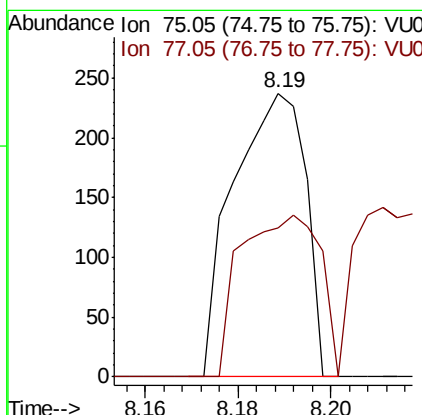
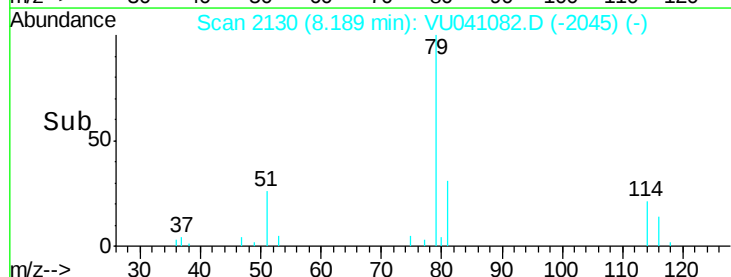
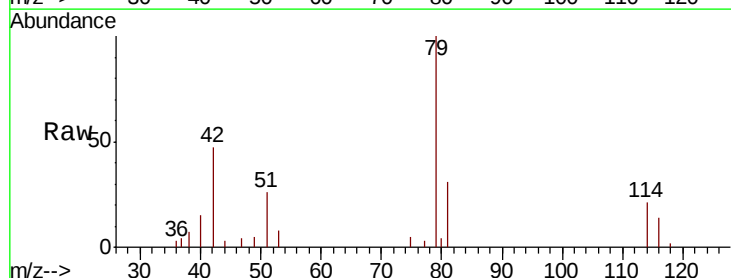
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

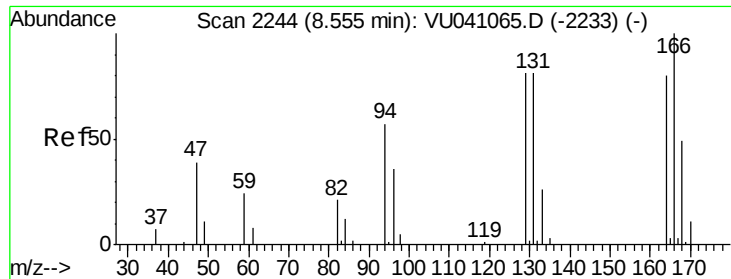
Tot Ion: 75 Resp: 611
Ion Ratio Lower Upper
75 100
77 54.0 22.7 42.3#



#44
trans-1,3-Dichloropropene
Concen: 0.050 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041082.D
Acq: 03 Nov 2020 16:59

Tgt Ion: 75 Resp: 256
Ion Ratio Lower Upper
75 100
77 52.7 23.3 43.3#





#47

Tetrachloroethene

Concen: 0.156 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041082.D

Acq: 03 Nov 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion:164 Resp: 432

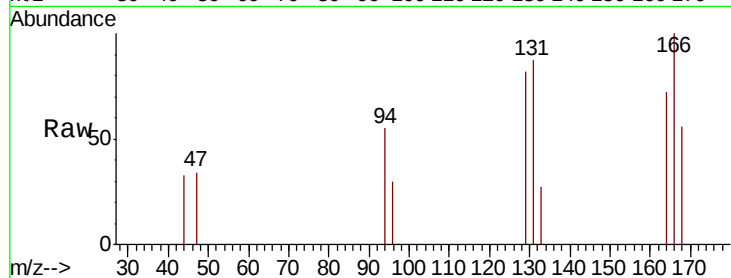
Ion Ratio Lower Upper

164 100

129 114.2 70.3 130.7

131 121.0 70.8 131.4

166 138.6 92.0 170.8

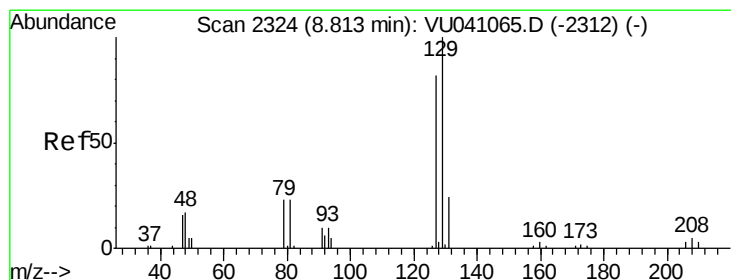
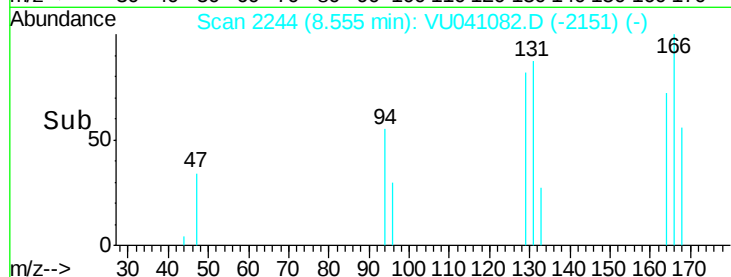
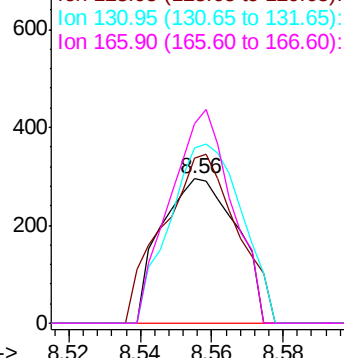


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.143 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041082.D

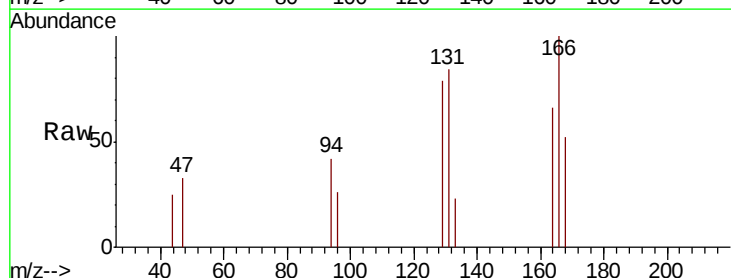
Acq: 03 Nov 2020 16:59

Tgt Ion:129 Resp: 496

Ion Ratio Lower Upper

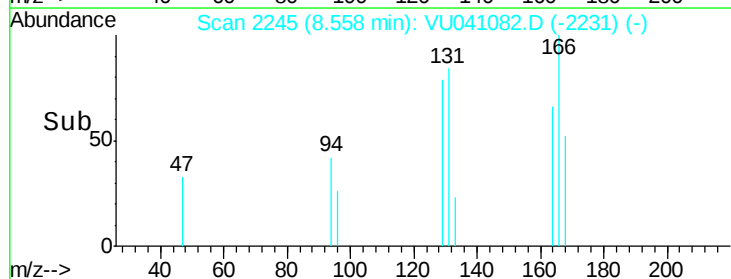
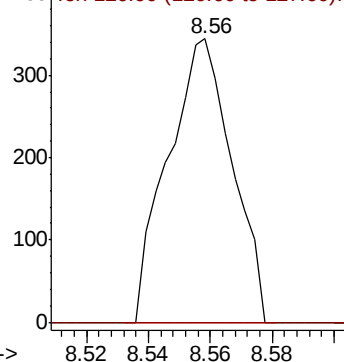
129 100

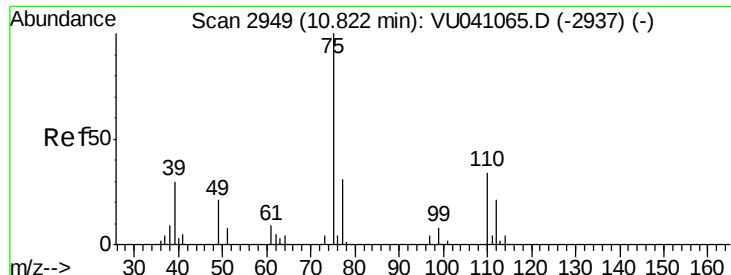
127 0.0 53.4 99.2#



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: 0.941 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041082.D

Acq: 03 Nov 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 2807

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

