

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110420\
 Data File : VU041097.D
 Acq On : 04 Nov 2020 12:41
 Operator : SY/MD
 Sample : VIBLK41
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 00:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49574	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51828	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22024	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15441	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.92	69	13191	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.58	63	22563	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.65	46	78618	57.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.64%
24) Chloroform-d	5.08	84	33313	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.72	65	22489	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.74	84	59262	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	21594	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	45726	3.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.80%
43) trans-1,3-Dichloropropene-	8.19	79	8143	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	53659	50.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20651	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	18880	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

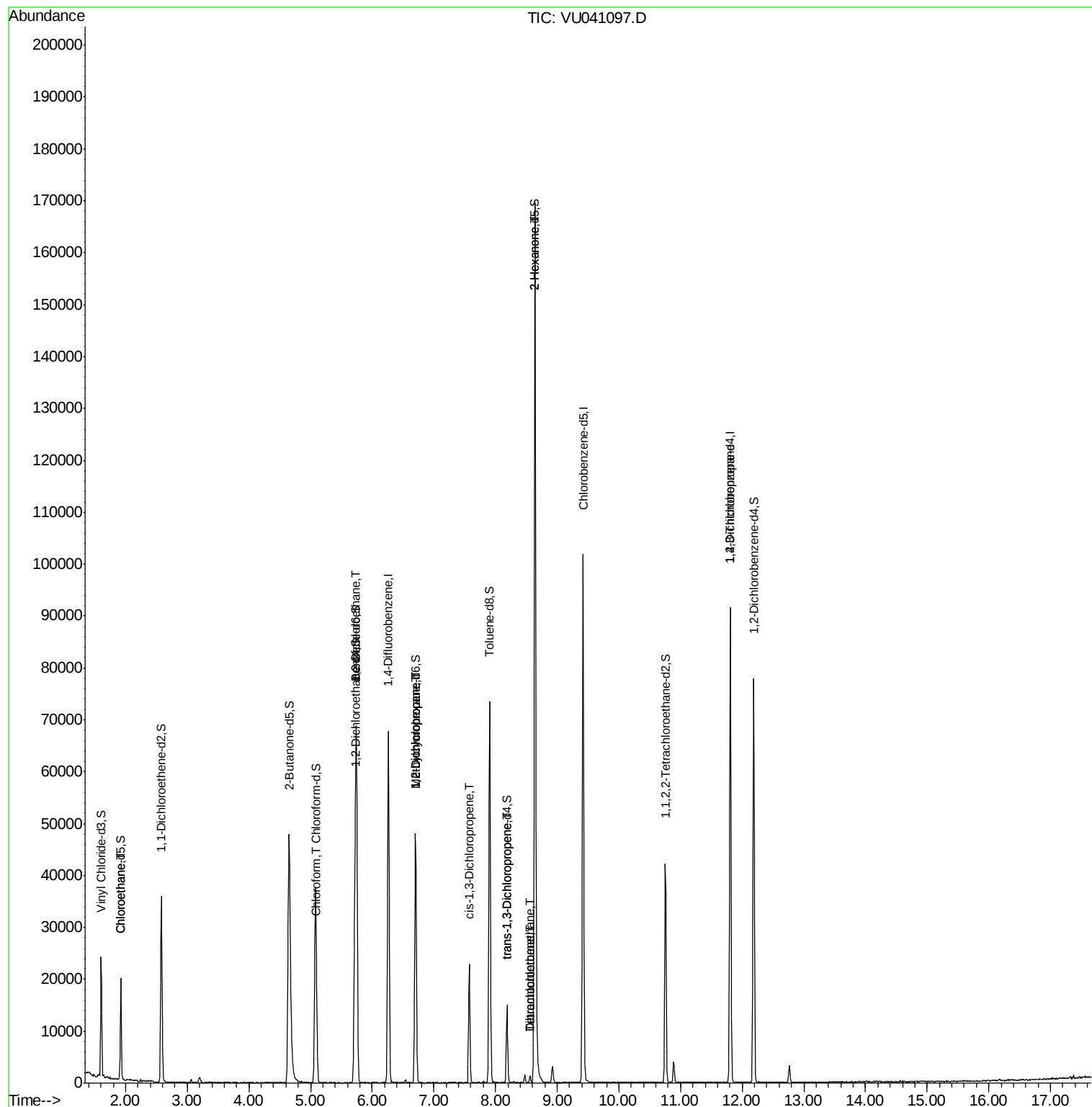
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.93	64	120	0.041	ug/L #	43
25) Chloroform	5.11	83	654	0.092	ug/L	97
27) 1,2-Dichloroethane	5.74	62	397	0.075	ug/L #	74
35) Methylcyclohexane	6.70	83	4694	0.798	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2467	0.589	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	456	0.079	ug/L #	39
44) trans-1,3-Dichloropropene	8.19	75	351	0.065	ug/L #	56
47) Tetrachloroethene	8.56	164	328	0.113	ug/L	80
48) 2-Hexanone	8.64	43	8227	3.270	ug/L #	72
49) Dibromochloromethane	8.56	129	297	0.082	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3207	1.027	ug/L	97

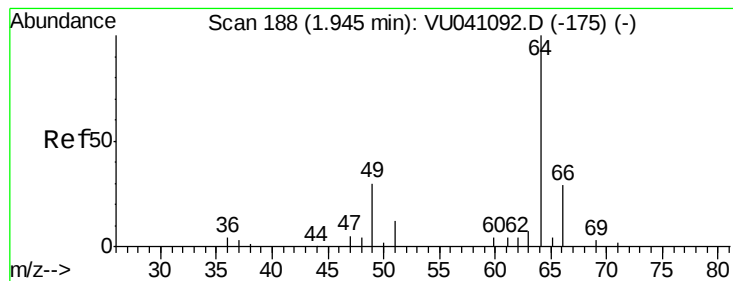
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.041 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.02 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

Instrument :

MSVOA_U

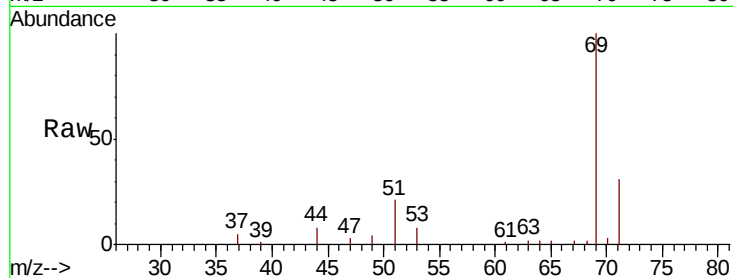
ClientSampleId :

Tot Ion: 64 Resp: 120

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

1.93

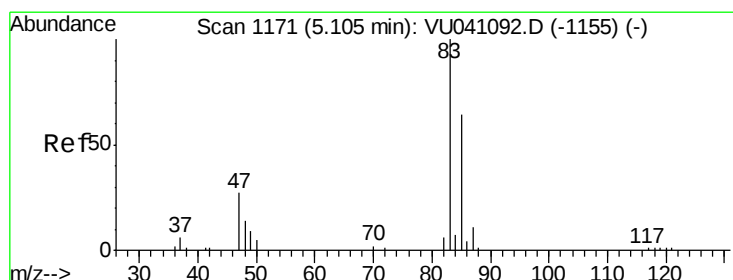
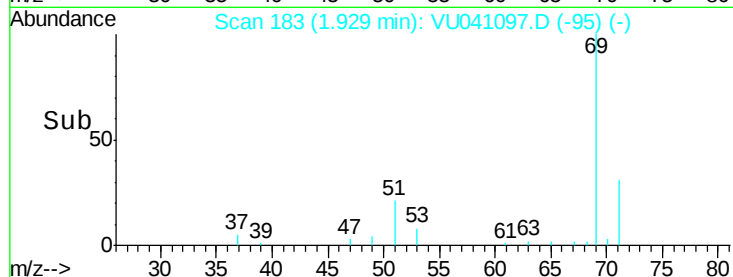
150

100

50

0

Time--> 1.91 1.92 1.93 1.94 1.95



#25

Chloroform

Concen: 0.092 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041097.D

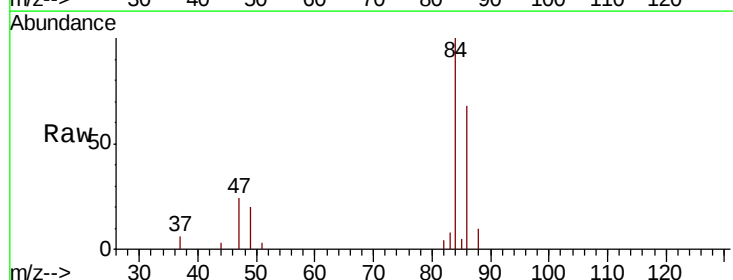
Acq: 04 Nov 2020 12:41

Tgt Ion: 83 Resp: 654

Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

400

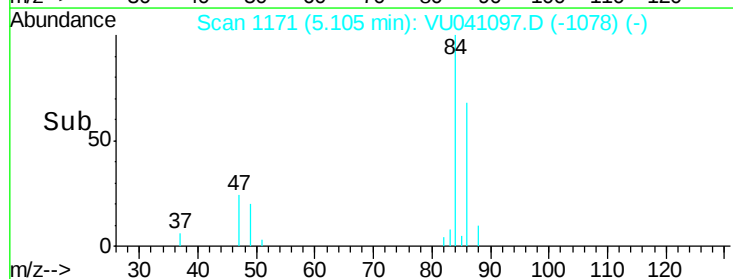
300

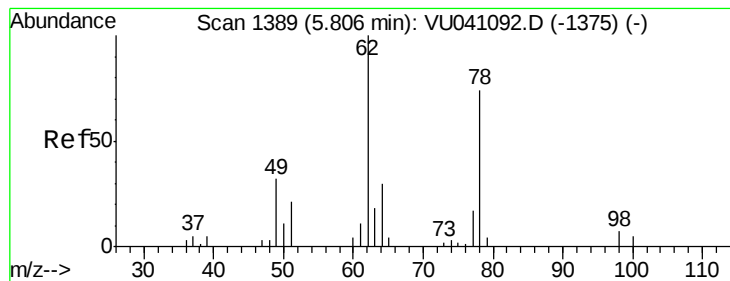
200

100

0

Time--> 5.05 5.10 5.15





#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

Instrument :

MSVOA_U

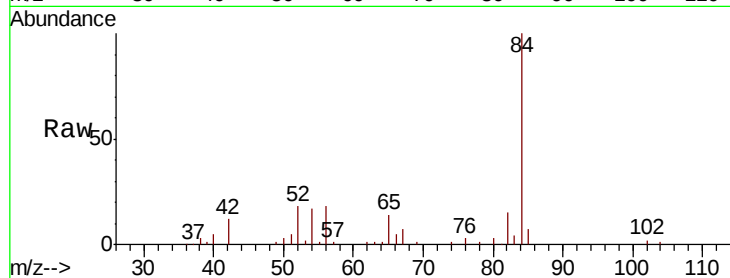
ClientSampleId :

Tot Ion: 62 Resp: 397

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

5.74

250

200

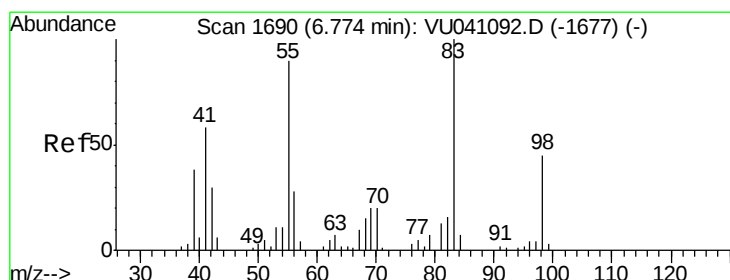
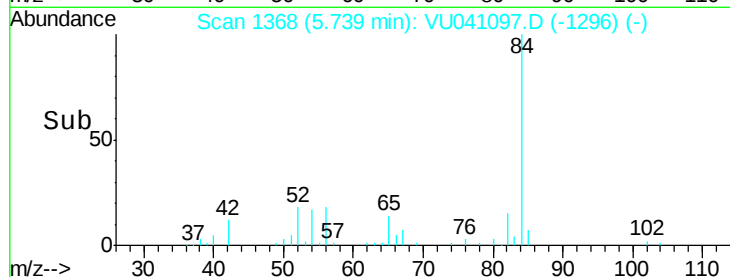
150

100

50

0

Time-->



#35

Methylcyclohexane

Concen: 0.798 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

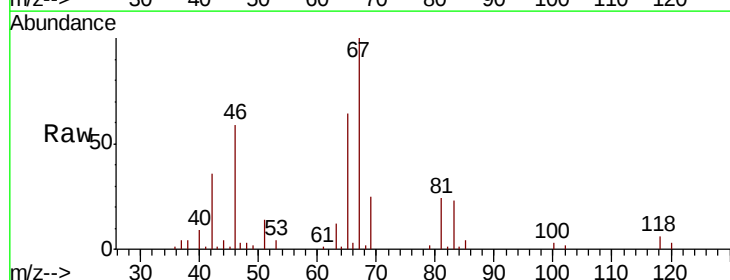
Tgt Ion: 83 Resp: 4694

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

98 0.9 36.6 55.0#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

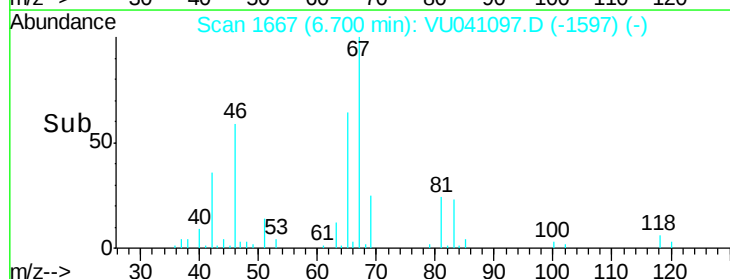
3000

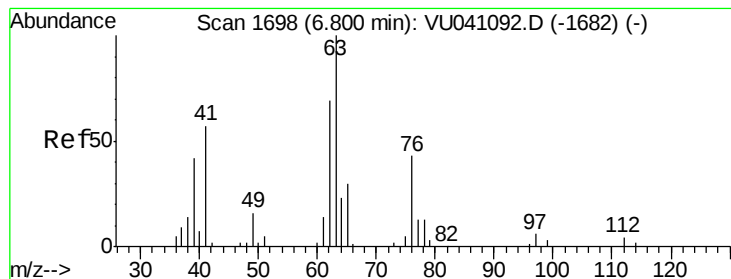
2000

1000

0

Time-->





#37

1,2-Dichloropropane

Concen: 0.589 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

Instrument :

MSVOA_U

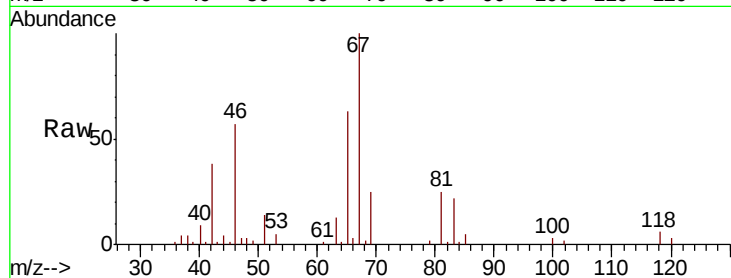
ClientSampleId :

Tot Ion: 63 Resp: 2467

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041092.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU041092.D (-1682) (-)

6.70

1500

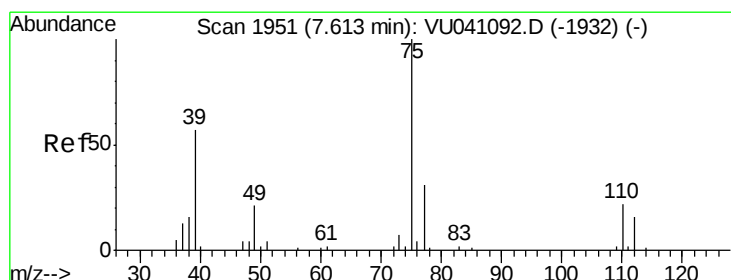
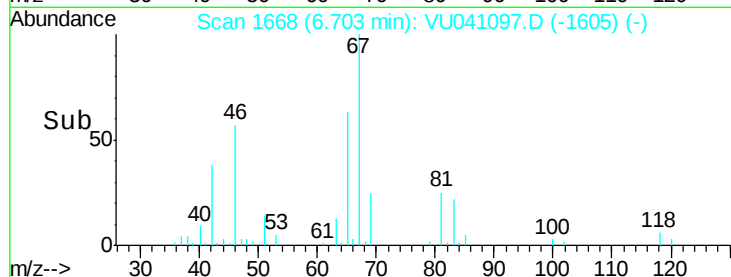
1000

500

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041097.D

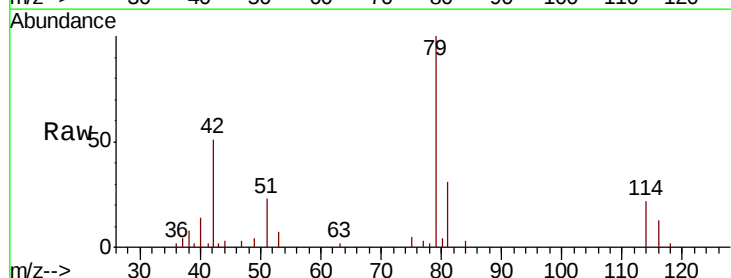
Acq: 04 Nov 2020 12:41

Tgt Ion: 75 Resp: 456

Ion Ratio Lower Upper

75 100

77 66.6 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041092.D (-1932) (-)

Ion 77.05 (76.75 to 77.75): VU041092.D (-1932) (-)

7.57

300

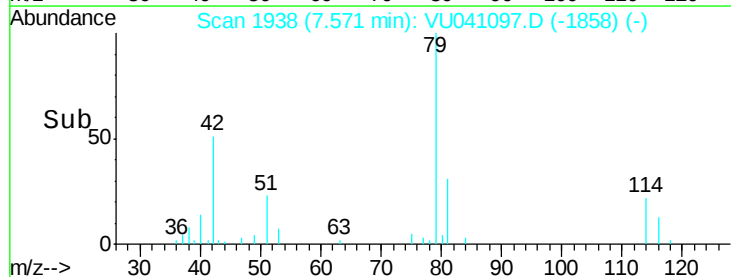
200

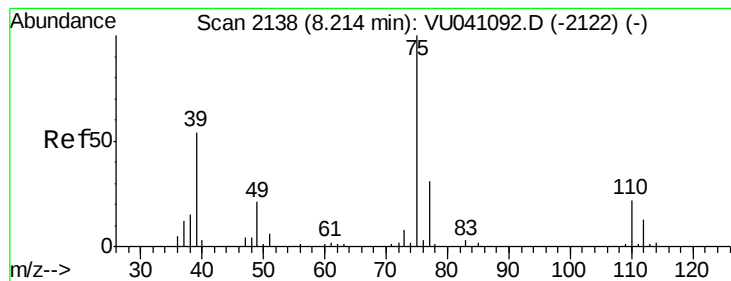
100

0

7.54 7.56 7.58 7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

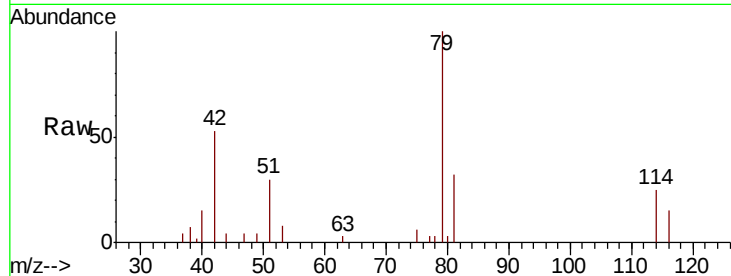
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 351

Ion Ratio Lower Upper

75 100

77 58.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

250

200

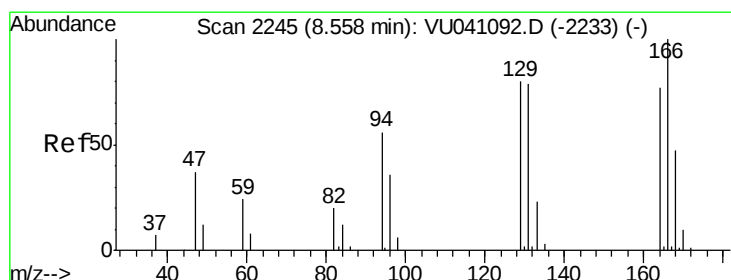
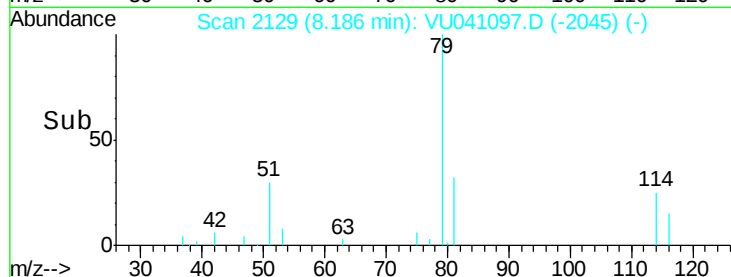
150

100

50

0

Time-->



#47

Tetrachloroethene

Concen: 0.113 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

Tgt Ion:164 Resp: 328

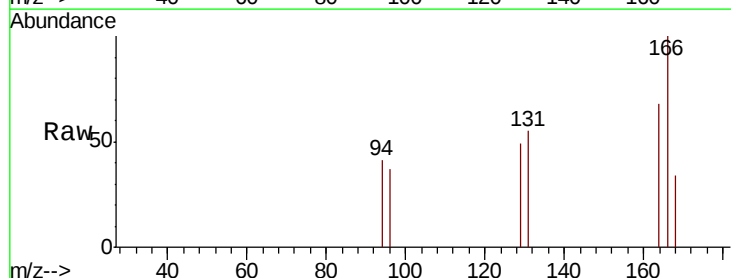
Ion Ratio Lower Upper

164 100

129 71.7 70.3 130.7

131 79.9 70.8 131.4

166 146.3 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

500

400

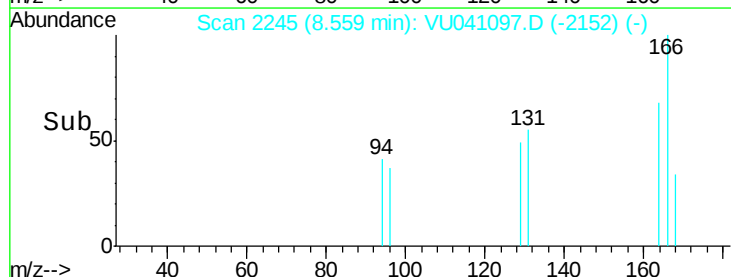
300

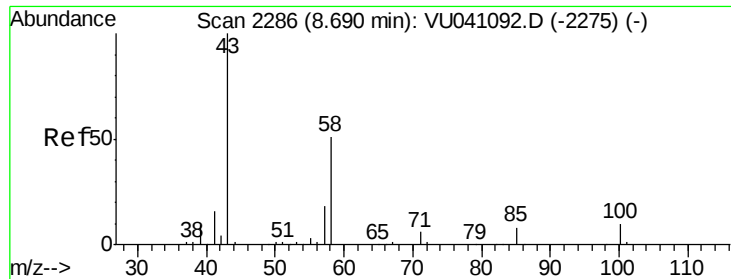
200

100

0

Time-->

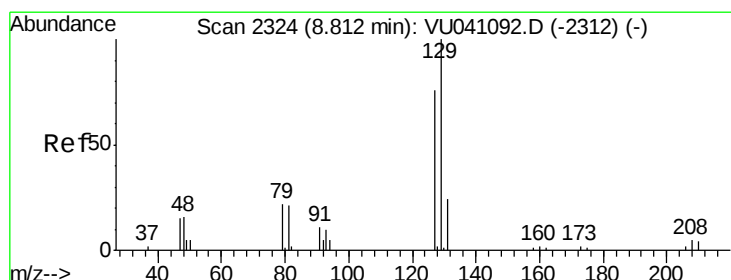
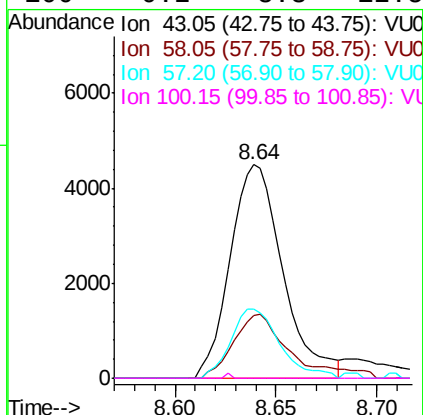
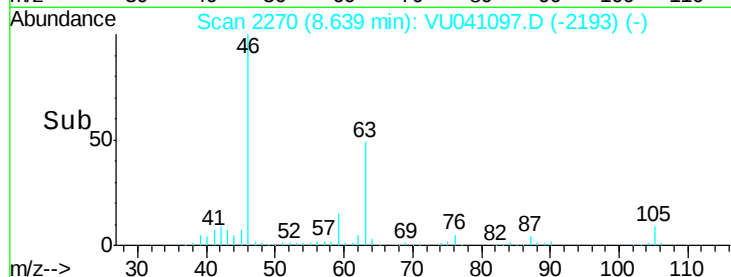
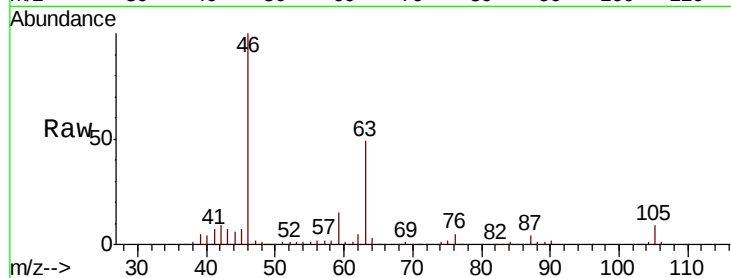




#48
2-Hexanone
Concen: 3.270 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041097.D
Acq: 04 Nov 2020 12:41

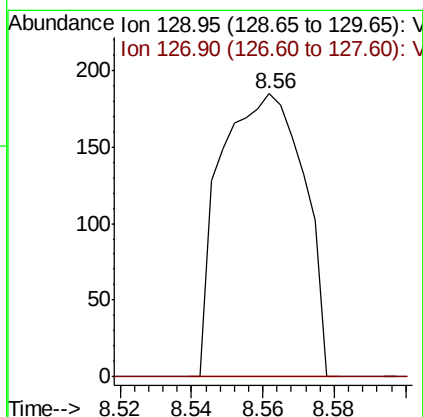
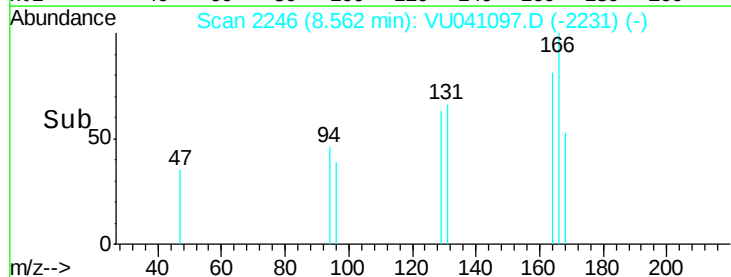
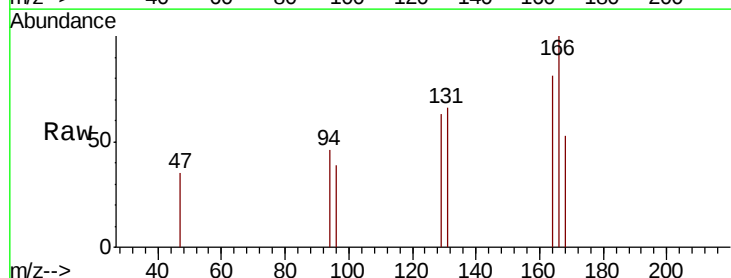
Instrument :
MSVOA_U
ClientSampleId :

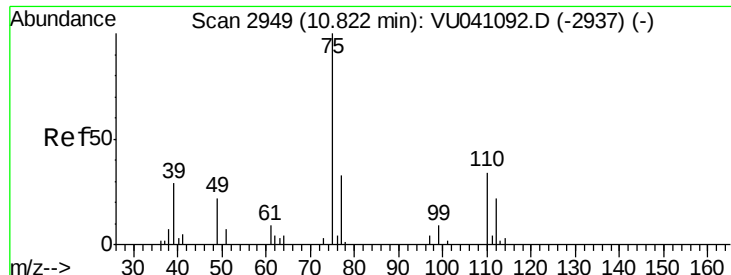
Tot Ion: 43 Resp: 8227
Ion Ratio Lower Upper
43 100
58 32.1 41.4 62.2#
57 30.3 14.6 21.8#
100 0.2 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.082 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. -0.25 min
Lab File: VU041097.D
Acq: 04 Nov 2020 12:41

Tgt Ion: 129 Resp: 297
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 1.027 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041097.D

Acq: 04 Nov 2020 12:41

Instrument :

MSVOA_U

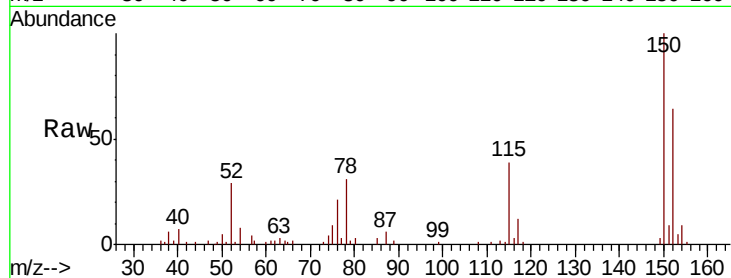
ClientSampleId :

Tot Ion: 75 Resp: 3207

Ion Ratio Lower Upper

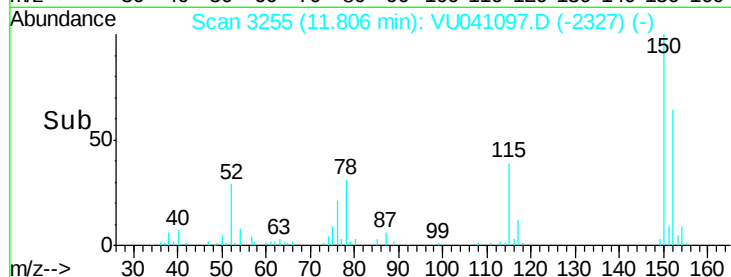
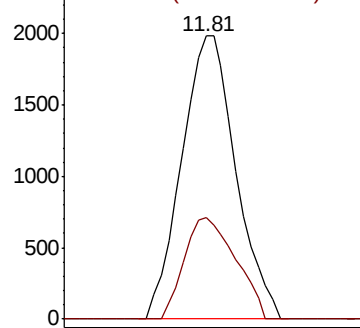
75 100

77 34.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->