

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102720\
 Data File : VU040987.D
 Acq On : 27 Oct 2020 16:37
 Operator : SY/MD
 Sample : L4493-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Oct 28 02:26:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 28 02:17:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54926	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57443	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22430	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22700	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.92	69	18822	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	34340	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.67	46	82118	54.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.08%
24) Chloroform-d	5.08	84	42083	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	26387	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.75	84	75095	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	25972	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	58023	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.19	79	10151	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.64	63	57118	48.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23221	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	21883	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Ovalue
8) Chloroethane	1.97	64	304	0.093 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	200	0.049 ug/L #	22
16) Methylene chloride	3.06	84	514	0.114 ug/L	77
25) Chloroform	5.11	83	710	0.090 ug/L	77
27) 1,2-Dichloroethane	5.75	62	399	0.068 ug/L #	74
33) Benzene	5.75	78	499	0.029 ug/L	100
34) Trichloroethene	6.27	95	1018	0.233 ug/L #	7
35) Methylcyclohexane	6.70	83	6292	0.966 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3155	0.679 ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	677	0.106 ug/L #	67
44) trans-1,3-Dichloropropene	8.19	75	500	0.084 ug/L #	45
47) Tetrachloroethene	8.56	164	224	0.070 ug/L #	59
48) 2-Hexanone	8.64	43	7842	2.813 ug/L #	71
49) Dibromochloromethane	8.55	129	349	0.087 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3035	0.877 ug/L #	87

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QLast Update : Wed Oct 28 02:17:39 2020
Response via : Initial Calibration

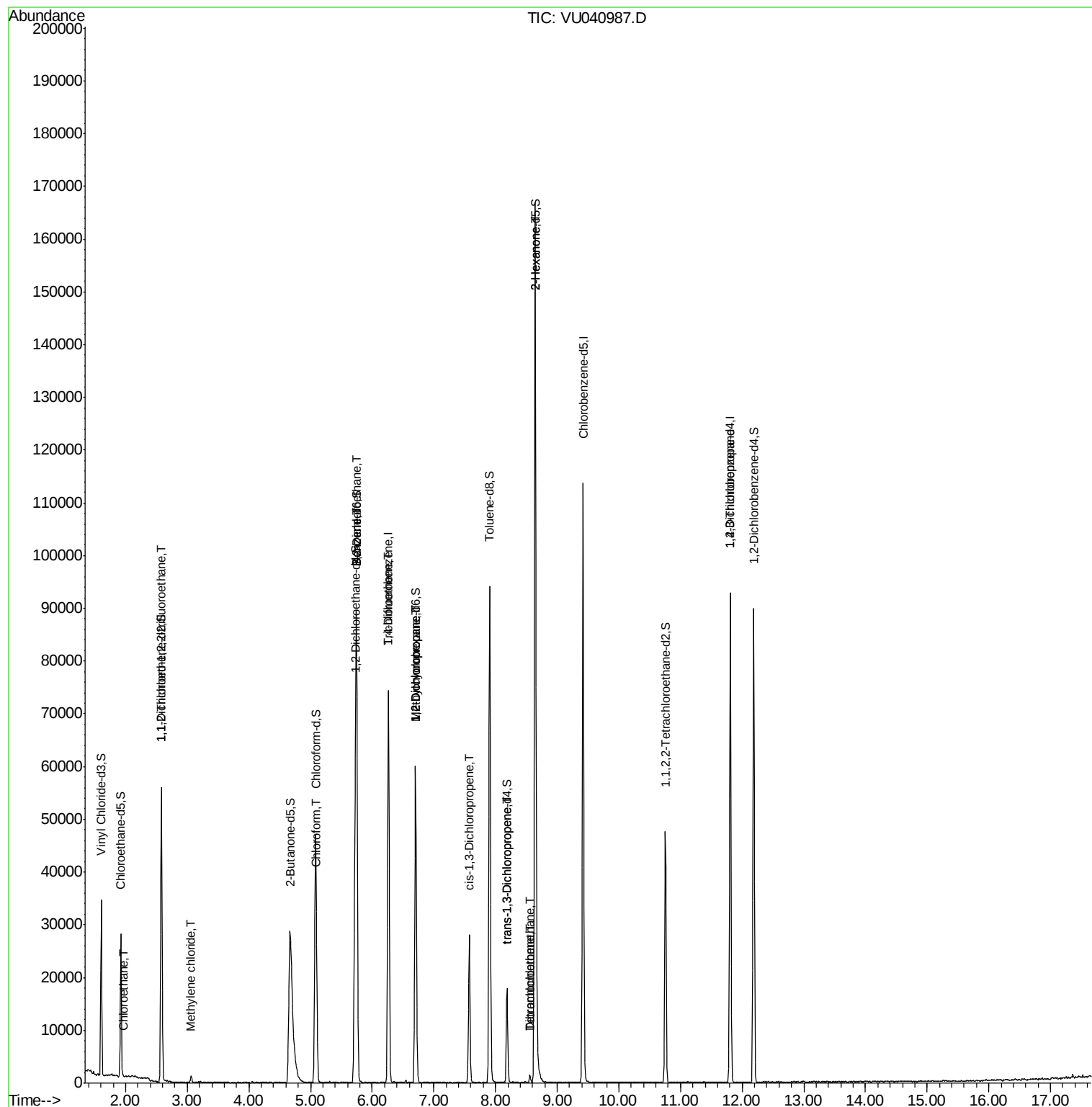
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

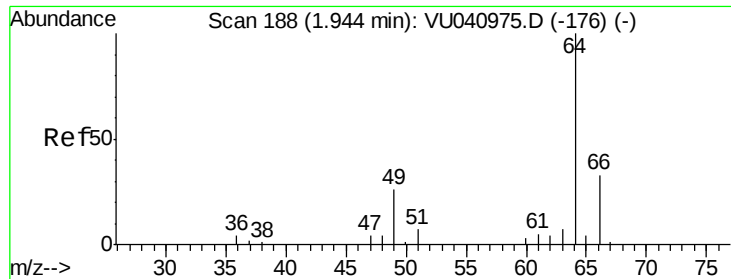
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#8

Chloroethane

Concen: 0.093 ug/L

RT: 1.97 min Scan# 196

Delta R.T. 0.03 min

Lab File: VU040987.D

Acq: 27 Oct 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

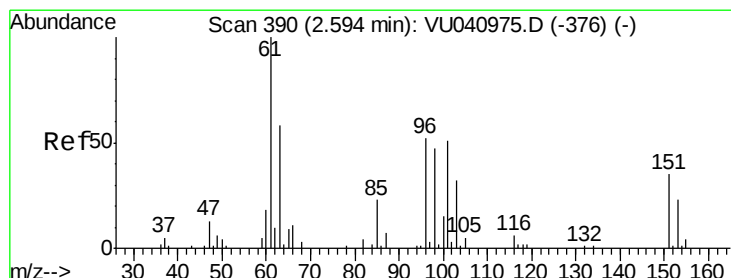
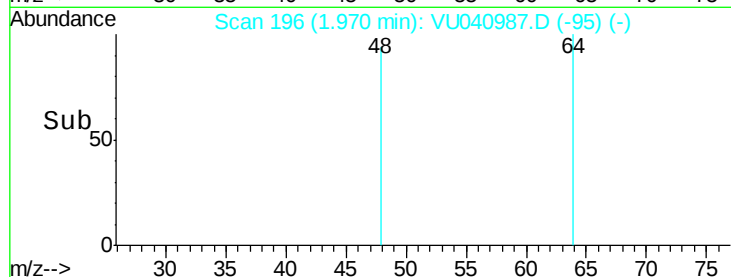
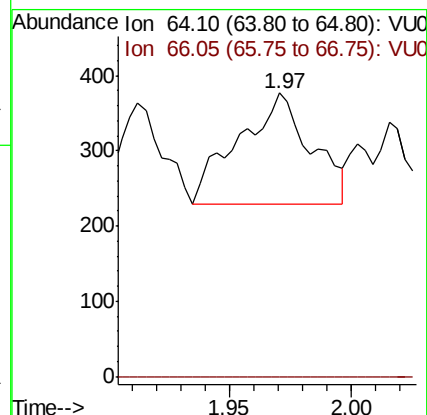
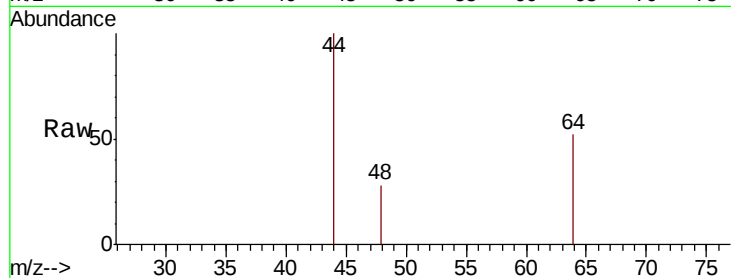
VHBLK01

Tot Ion: 64 Resp: 304

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040987.D

Acq: 27 Oct 2020 16:37

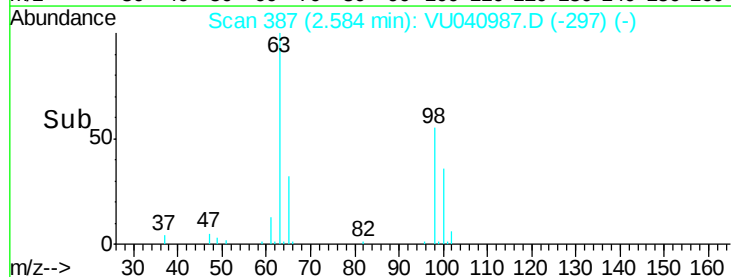
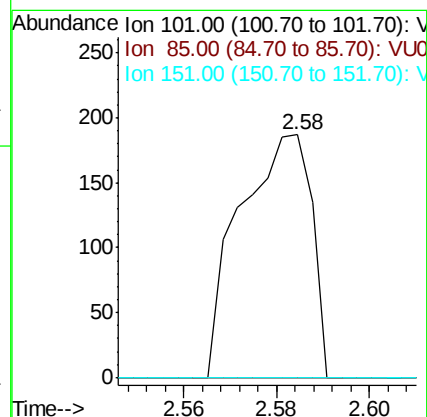
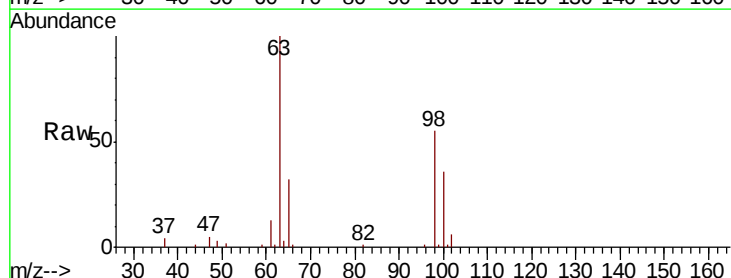
Tgt Ion:101 Resp: 200

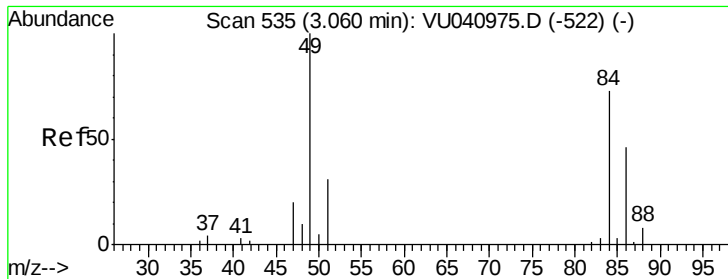
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

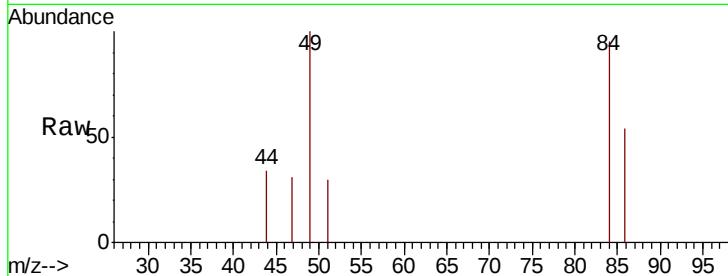




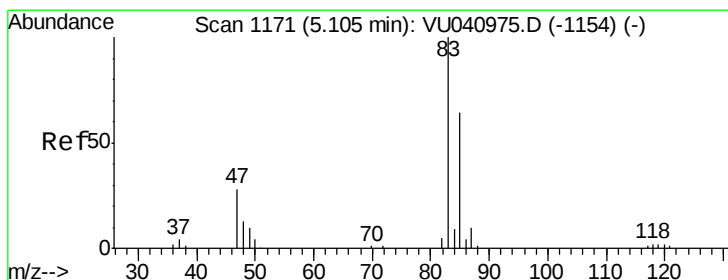
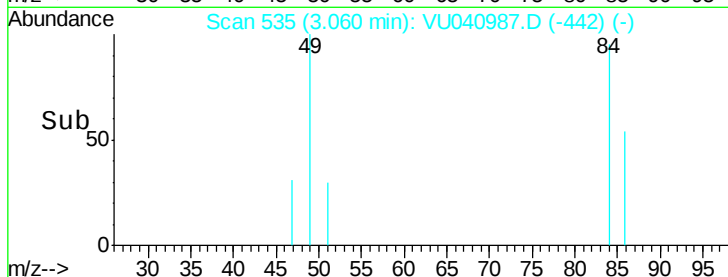
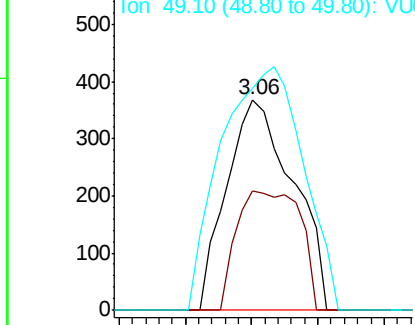
#16
Methvlene chloride
Concen: 0.114 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040987.D
Acq: 27 Oct 2020 16:37

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion: 84 Resp: 514
Ion Ratio Lower Upper
84 100
86 56.5 42.8 79.6
49 105.4 99.5 184.7

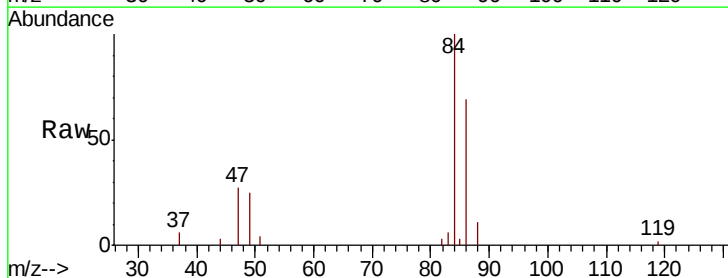


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

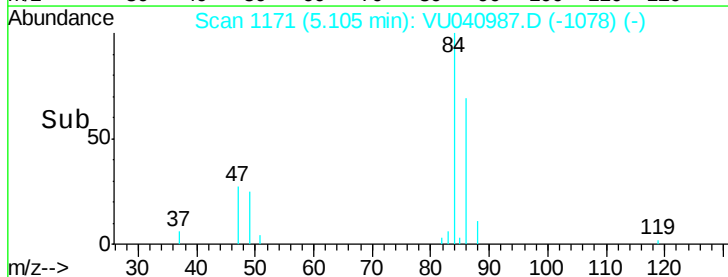
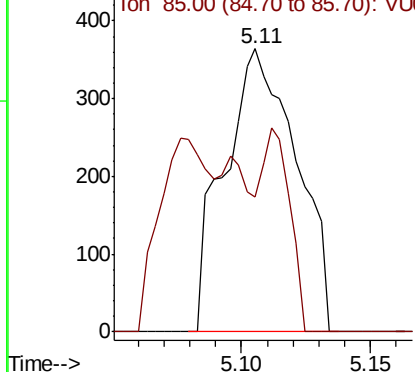


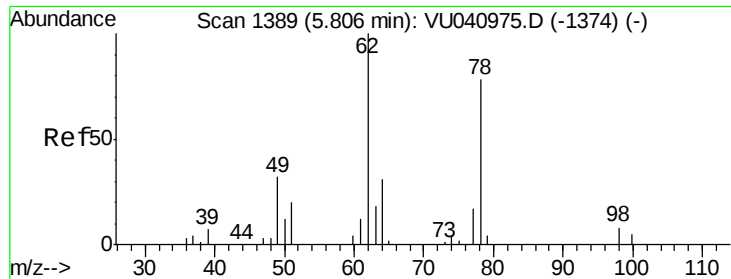
#25
Chloroform
Concen: 0.090 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040987.D
Acq: 27 Oct 2020 16:37

Tgt Ion: 83 Resp: 710
Ion Ratio Lower Upper
83 100
85 47.5 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

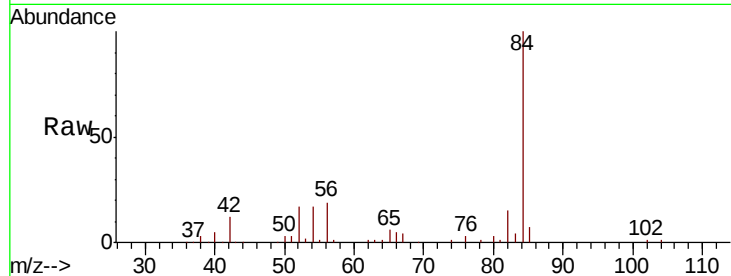




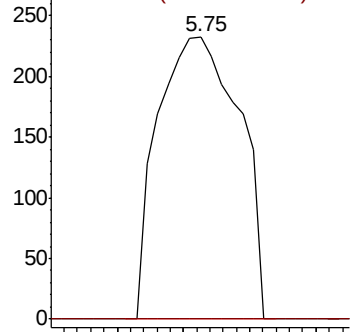
#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040987.D
 Acq: 27 Oct 2020 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

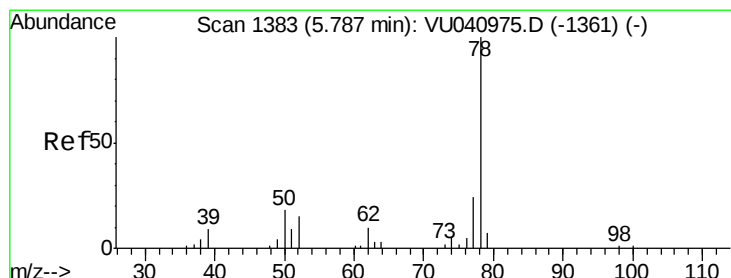
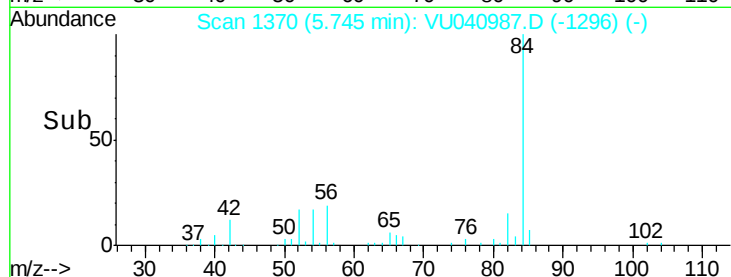
Tot Ion: 62 Resp: 399
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0

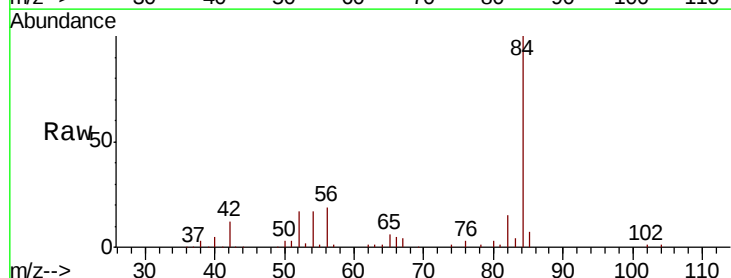


Time-->

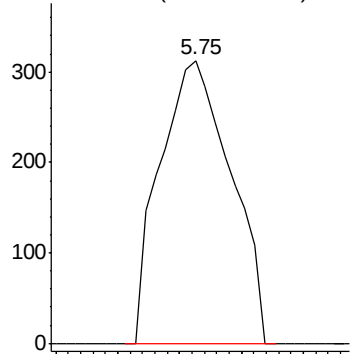


#33
 Benzene
 Concen: 0.029 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU040987.D
 Acq: 27 Oct 2020 16:37

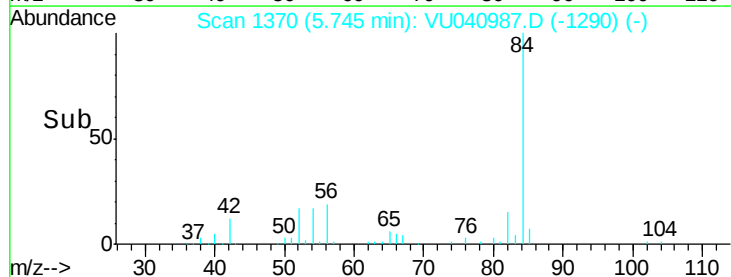
Tgt Ion: 78 Resp: 499

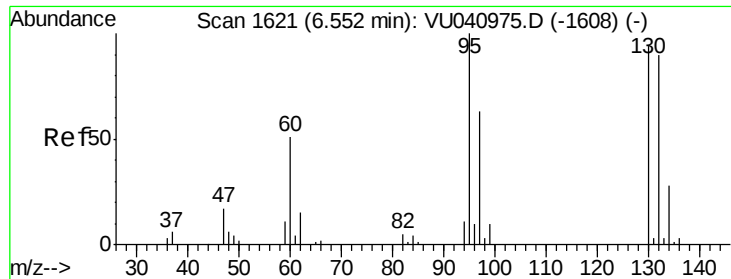


Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->

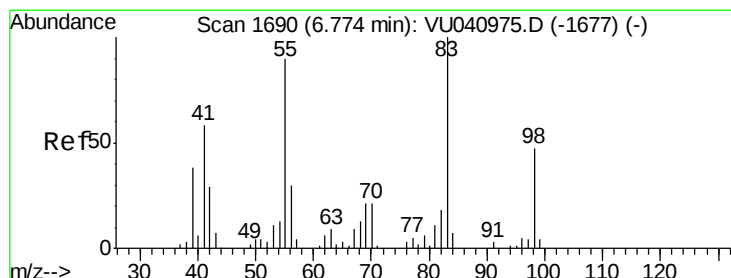
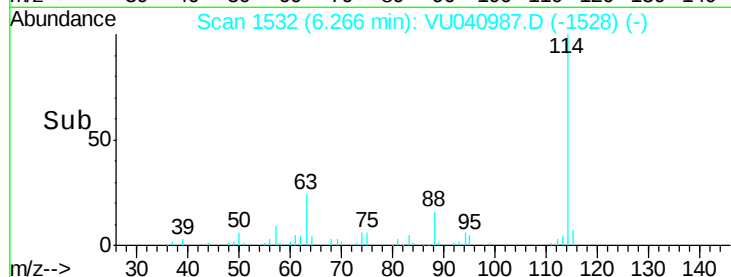
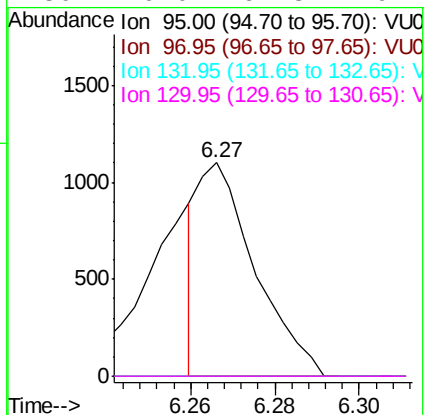
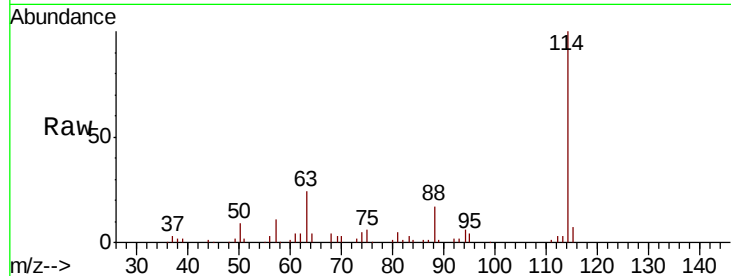




#34
 Trichloroethene
 Concen: 0.233 ug/L
 RT: 6.27 min Scan# 1532
 Delta R.T. -0.29 min
 Lab File: VU040987.D
 Acq: 27 Oct 2020 16:37

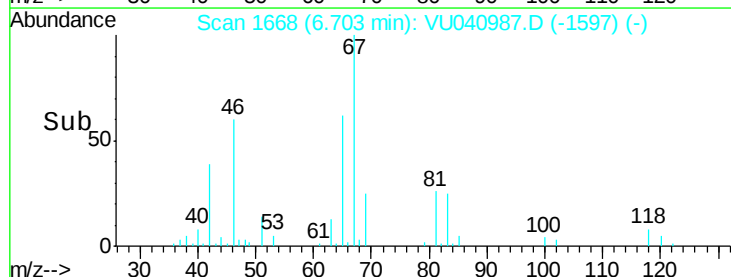
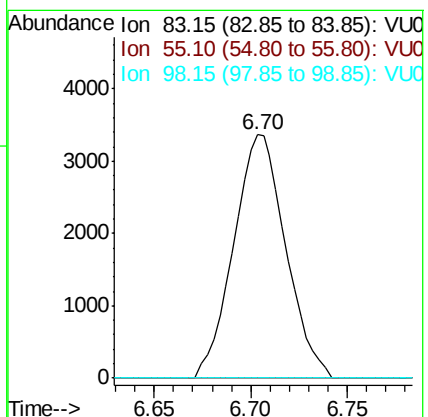
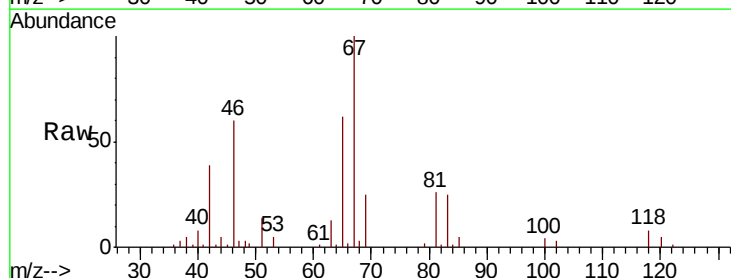
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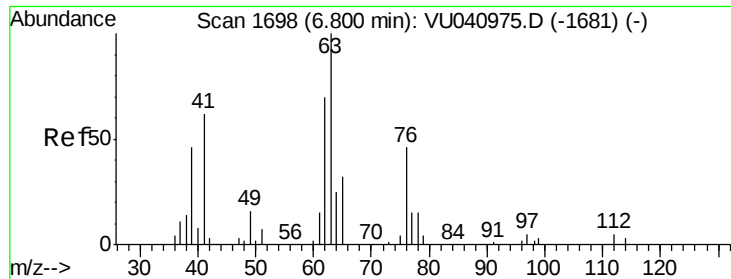
Tot Ion: 95 Resp: 1018
 Ion Ratio Lower Upper
 95 100
 97 0.0 45.6 84.6#
 132 0.0 64.8 120.4#
 130 0.0 64.8 120.4#



#35
 Methylcyclohexane
 Concen: 0.966 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040987.D
 Acq: 27 Oct 2020 16:37

Tgt Ion: 83 Resp: 6292
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 0.0 36.6 55.0#

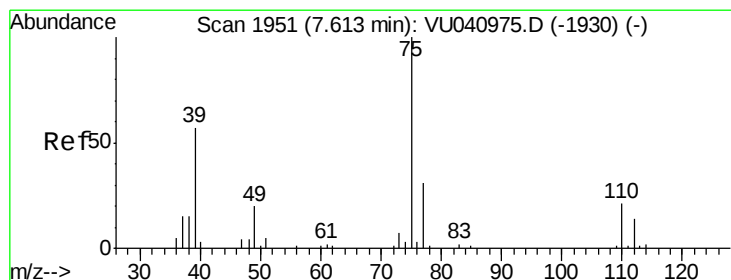
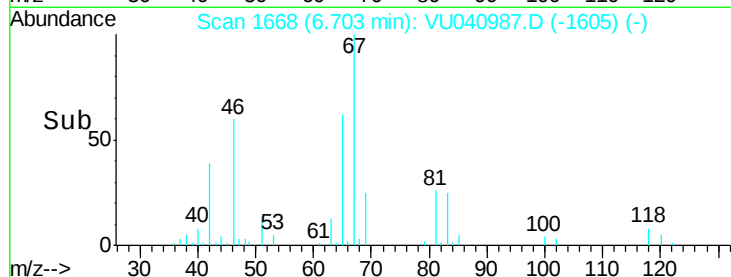
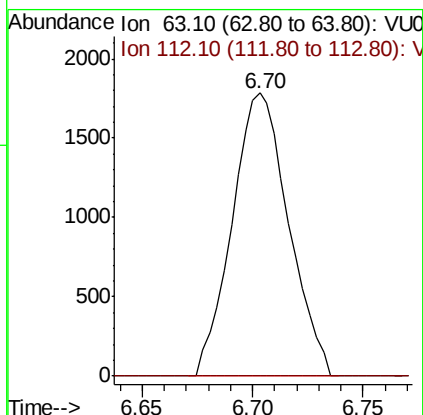
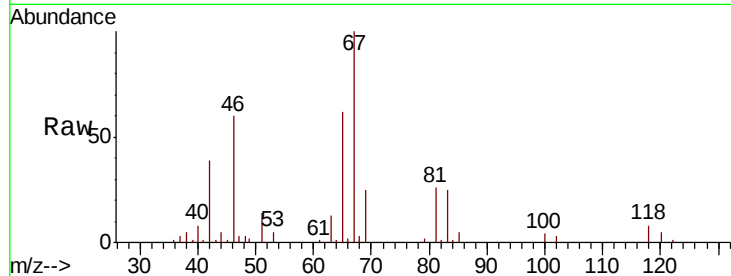




#37
 1,2-Dichloropropane
 Concen: 0.679 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040987.D
 Acq: 27 Oct 2020 16:37

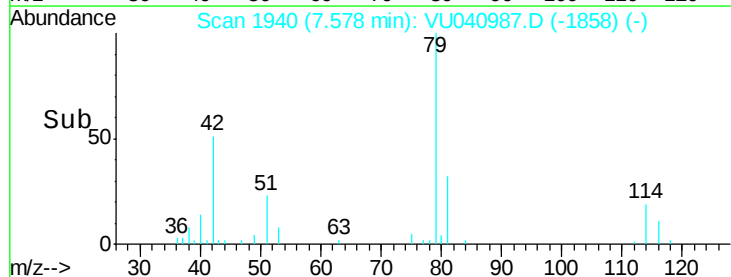
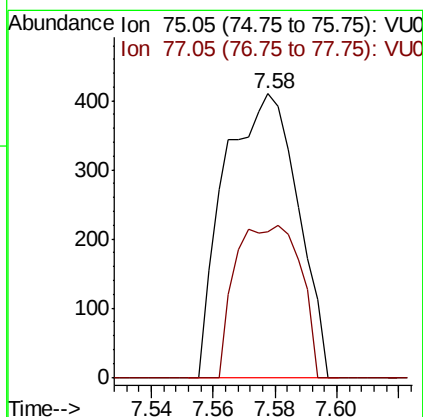
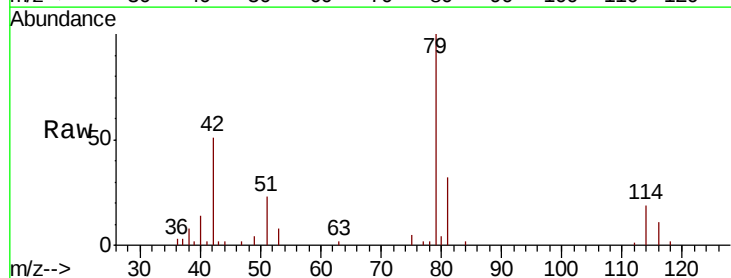
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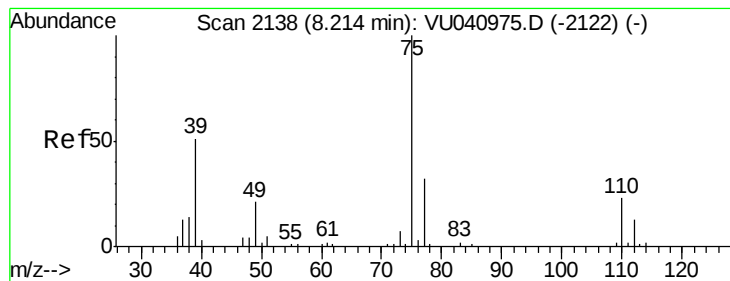
Tot Ion: 63 Resp: 3155
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040987.D
 Acq: 27 Oct 2020 16:37

Tgt Ion: 75 Resp: 677
 Ion Ratio Lower Upper
 75 100
 77 51.2 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040987.D

Acq: 27 Oct 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

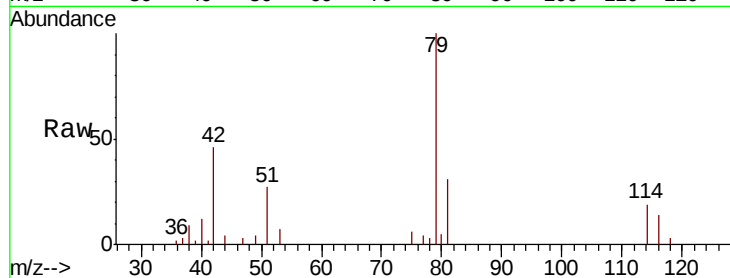
VHBLK01

Tot Ion: 75 Resp: 500

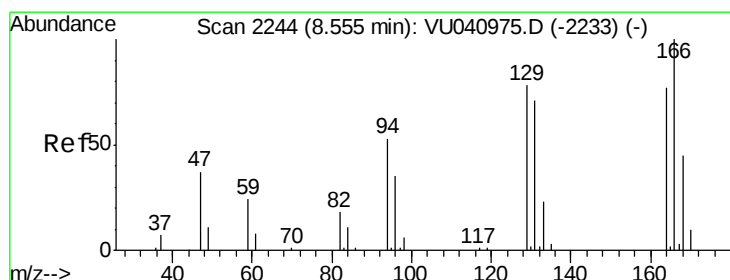
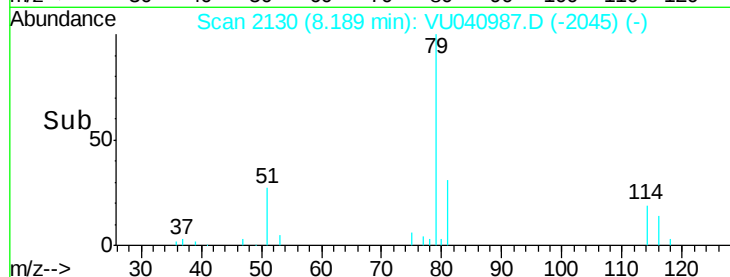
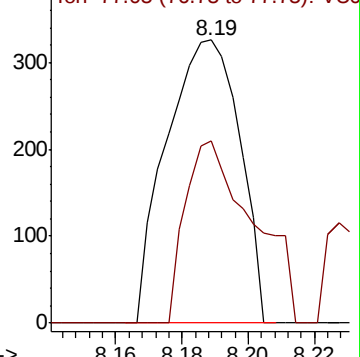
Ion Ratio Lower Upper

75 100

77 64.4 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040987.D (-2045) (-)



#47

Tetrachloroethene

Concen: 0.070 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040987.D

Acq: 27 Oct 2020 16:37

Tgt Ion:164 Resp: 224

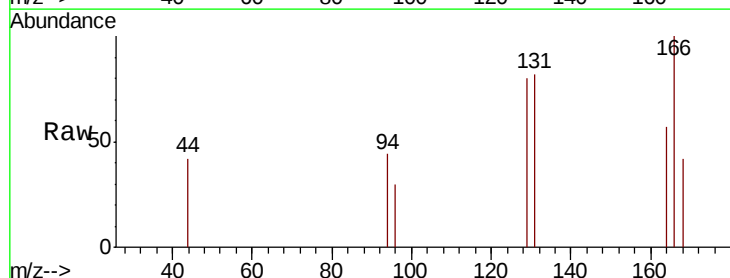
Ion Ratio Lower Upper

164 100

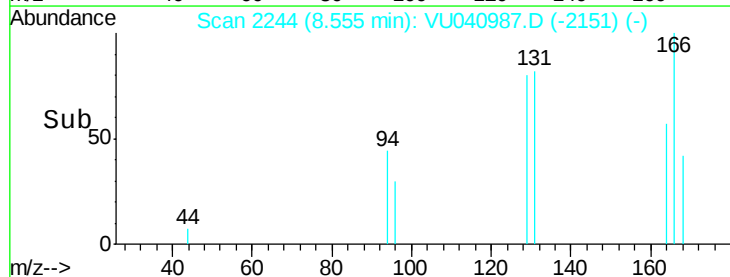
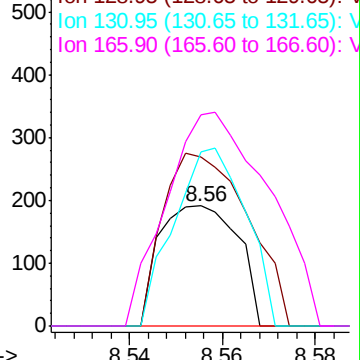
129 140.8 70.3 130.7#

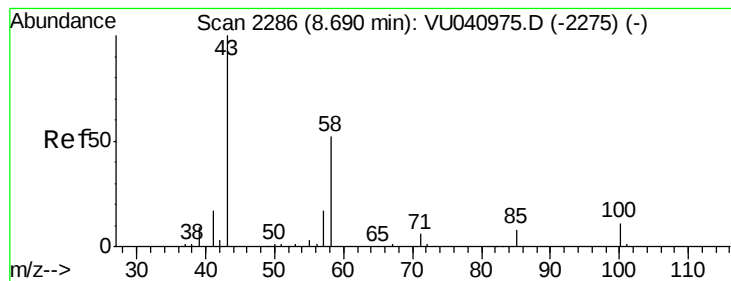
131 145.0 70.8 131.4#

166 176.4 92.0 170.8#



Abundance Ion 163.90 (163.60 to 164.60): VU040987.D (-2151) (-)





#48

2-Hexanone

Concen: 2.813 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040987.D

Acq: 27 Oct 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 43 Resp: 7842

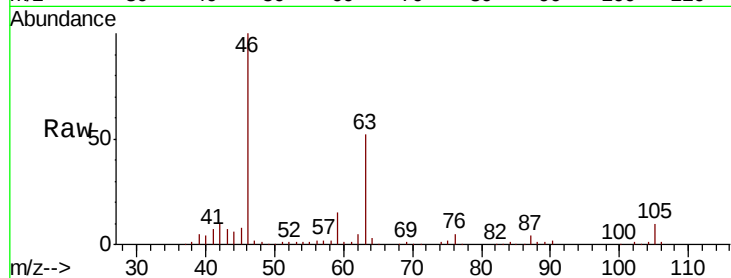
Ion Ratio Lower Upper

43 100

58 32.1 41.4 62.2#

57 33.1 14.6 21.8#

100 1.3 8.3 12.5#

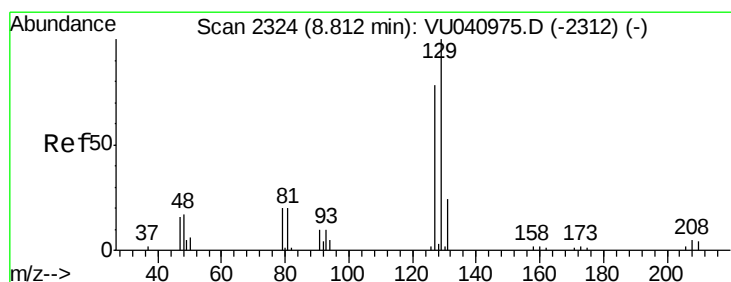
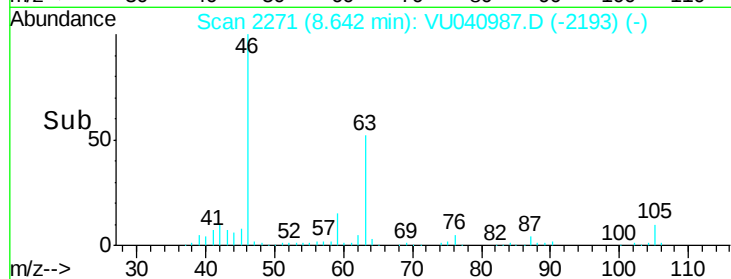
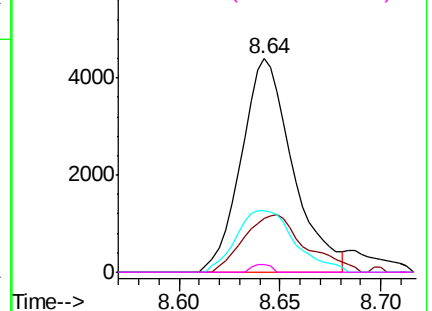


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.087 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.26 min

Lab File: VU040987.D

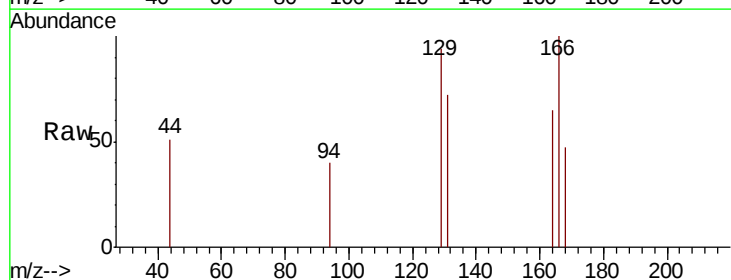
Acq: 27 Oct 2020 16:37

Tgt Ion: 129 Resp: 349

Ion Ratio Lower Upper

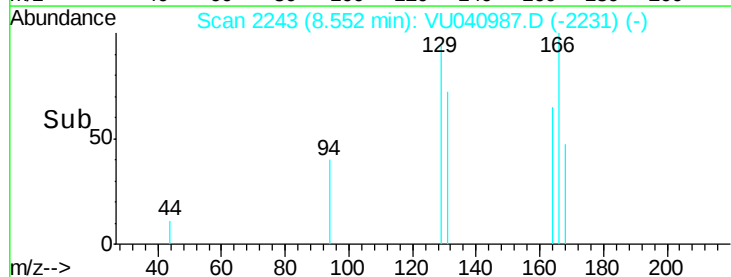
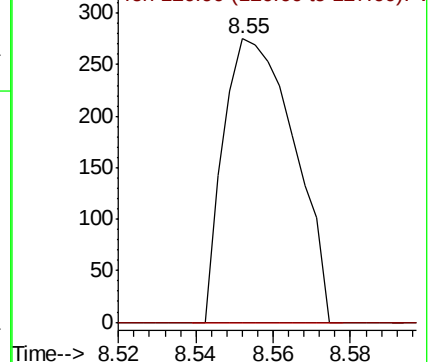
129 100

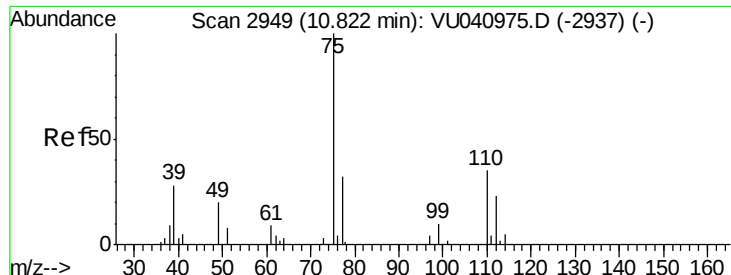
127 0.0 53.4 99.2#



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: 0.877 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040987.D

Acq: 27 Oct 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 3035

Ion Ratio Lower Upper

75 100

77 39.1 25.7 38.5#

