

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041037.D
 Acq On : 30 Oct 2020 12:07
 Operator : SY/MD
 Sample : L4558-08DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ1DL

Quant Time: Oct 31 00:01:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 23:53:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51063	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52195	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21971	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	15280	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.93	69	13380	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.58	63	23967	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.66	46	87455	61.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.82%
24) Chloroform-d	5.08	84	34698	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.72	65	23231	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.74	84	59077	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.70	67	22111	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	46312	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	8.19	79	9072	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	58312	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21162	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	18722	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	131	0.043 ug/L #	43
9) Trichlorofluoromethane	2.15	101	1339	0.205 ug/L	99
12) 1,1-Dichloroethene	2.59	96	642	0.178 ug/L #	1
15) Methyl Acetate	3.20	43	477	0.216 ug/L #	53
16) Methylene chloride	3.06	84	803	0.191 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	253	0.067 ug/L	79
25) Chloroform	5.11	83	661	0.090 ug/L	99
27) 1,2-Dichloroethane	5.81	62	990	0.181 ug/L #	74
33) Benzene	5.74	78	485	0.031 ug/L	100
34) Trichloroethene	6.56	95	47079	11.862 ug/L	97
35) Methylcyclohexane	6.70	83	5109	0.863 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2505	0.594 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	551	0.095 ug/L #	78
44) trans-1,3-Dichloropropene	8.19	75	420	0.077 ug/L #	58
47) Tetrachloroethene	8.56	164	945	0.324 ug/L	91
48) 2-Hexanone	8.65	43	9083	3.585 ug/L #	67
49) Dibromochloromethane	8.56	129	832	0.228 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 23:53:53 2020
Response via : Initial Calibration

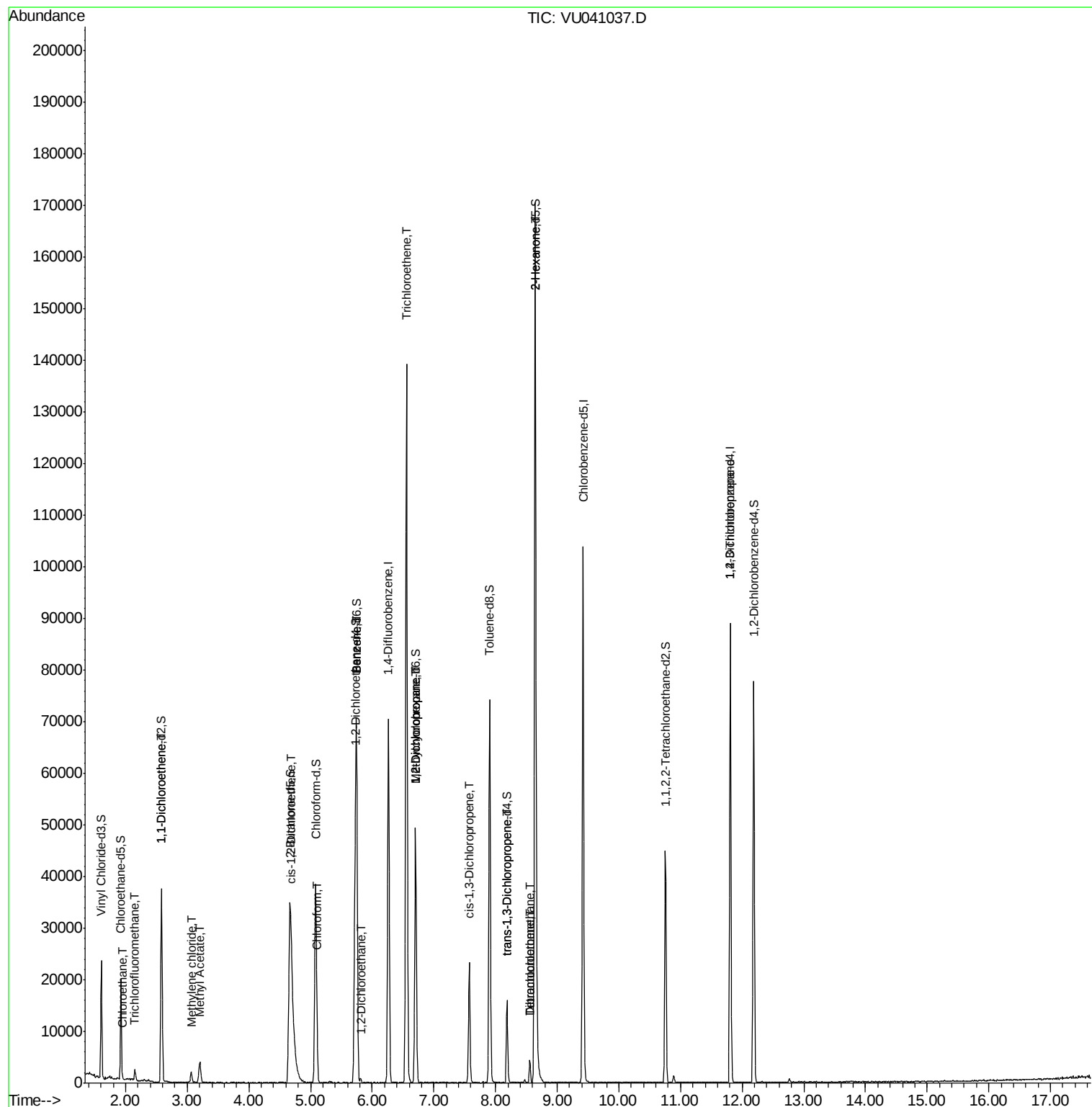
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3130	0.995	ug/L	97

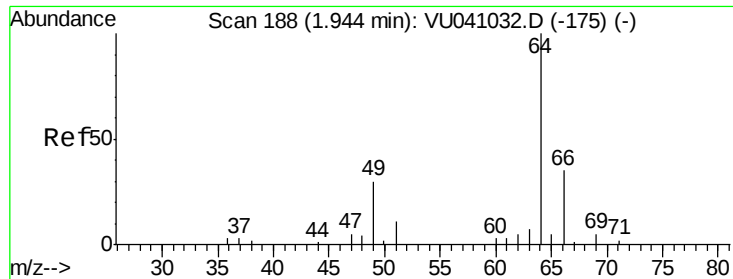
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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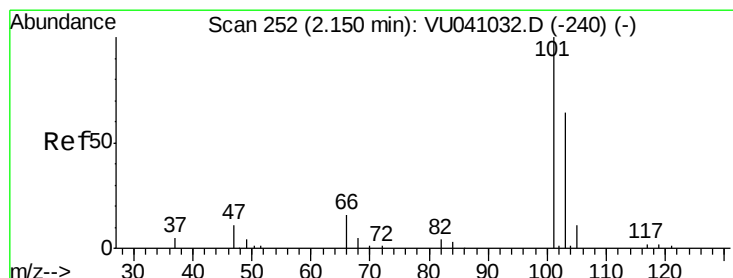
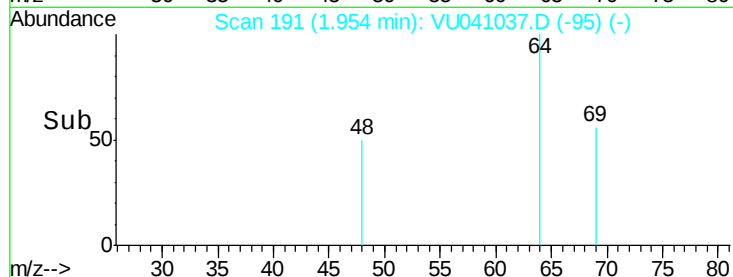
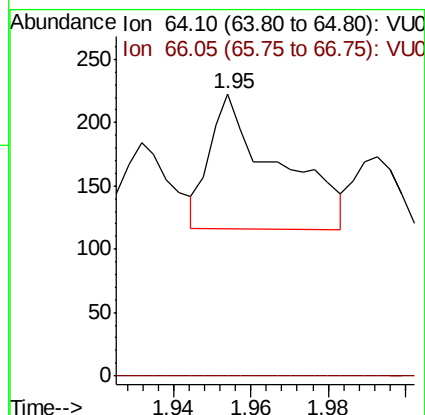
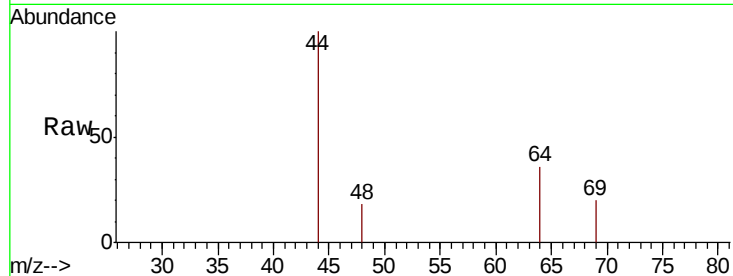




#8
Chloroethane
Concen: 0.043 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

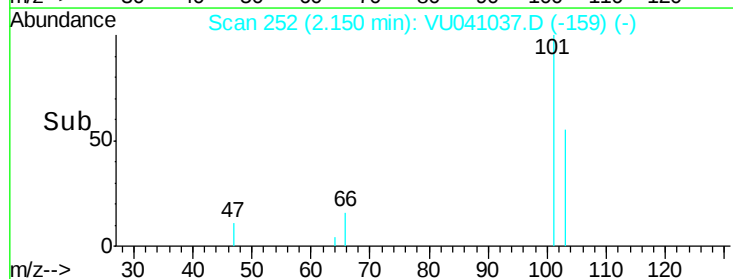
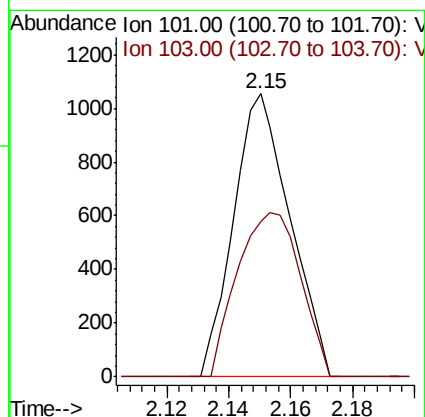
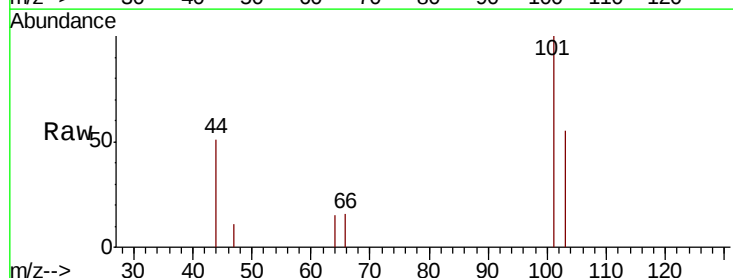
Instrument :
MSVOA_U
ClientSampleId :
C0BQ1DL

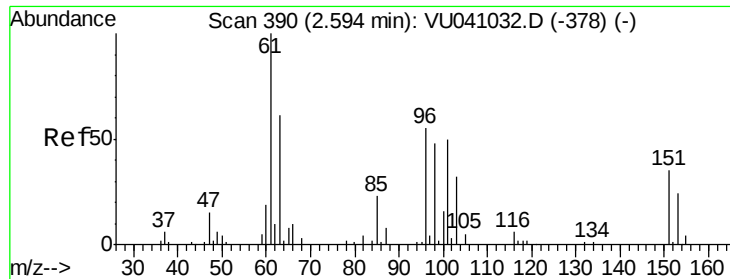
Tot Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#9
Trichlorofluoromethane
Concen: 0.205 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

Tgt Ion: 101 Resp: 1339
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.4





#12

1,1-Dichloroethene

Concen: 0.178 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

Instrument :

MSVOA_U

ClientSampleId :

C0BQ1DL

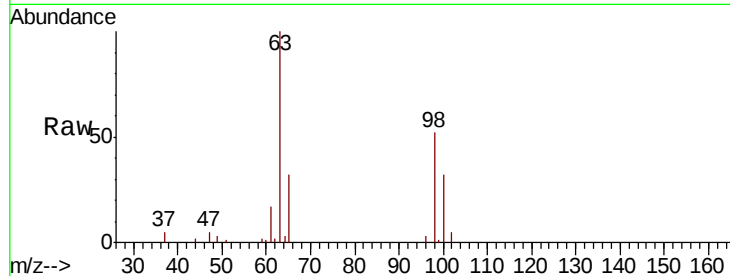
Tot Ion: 96 Resp: 642

Ion Ratio Lower Upper

96 100

61 567.5 134.3 249.5#

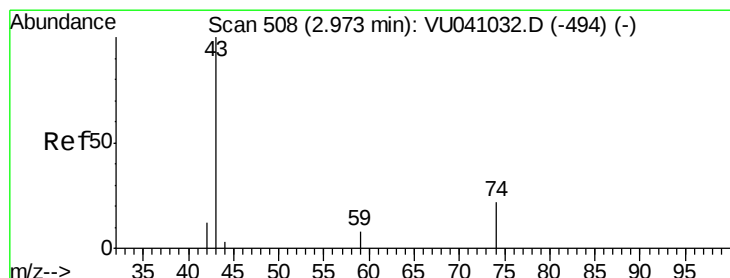
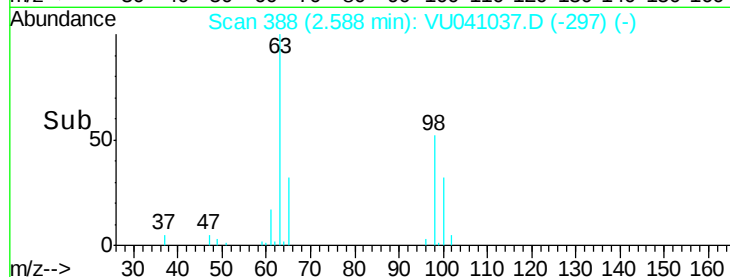
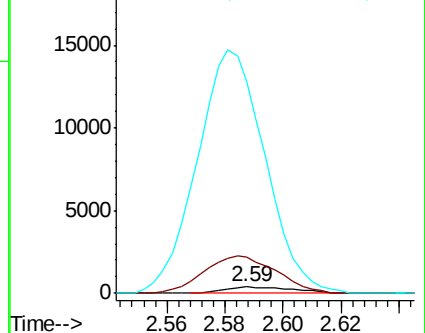
63 3362.5 95.0 176.4#



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



#15

Methyl Acetate

Concen: 0.216 ug/L

RT: 3.20 min Scan# 578

Delta R.T. 0.23 min

Lab File: VU041037.D

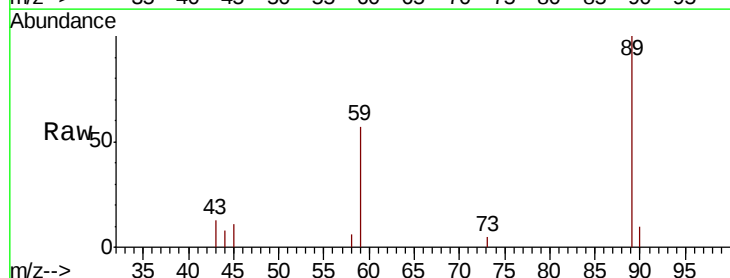
Acq: 30 Oct 2020 12:07

Tgt Ion: 43 Resp: 477

Ion Ratio Lower Upper

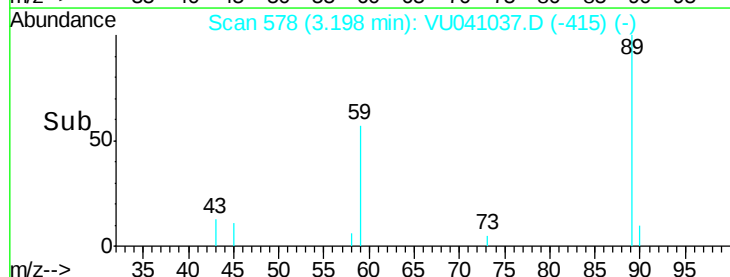
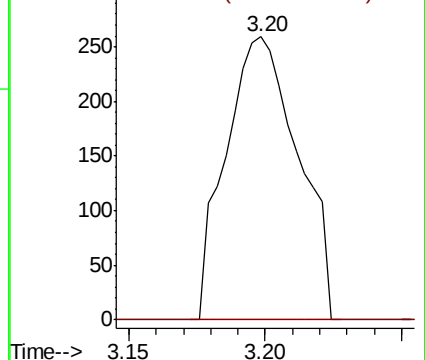
43 100

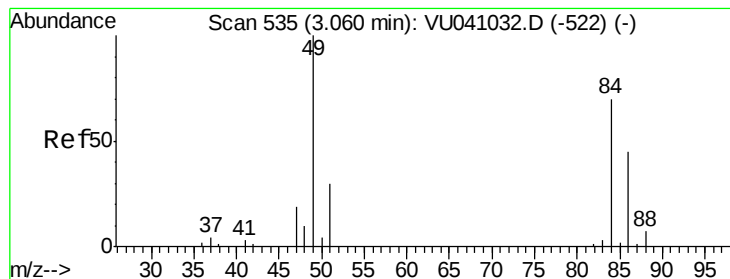
74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methylene chloride

Concen: 0.191 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

Instrument :

MSVOA_U

ClientSampleId :

C0BQ1DL

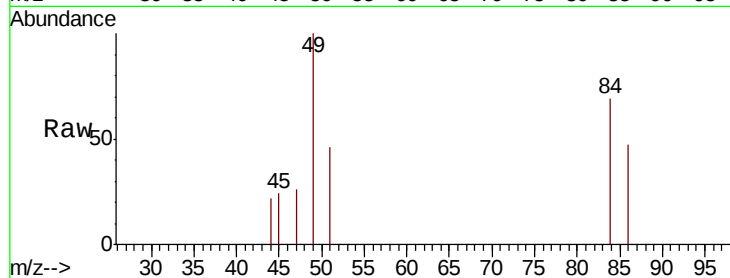
Tot Ion: 84 Resp: 803

Ion Ratio Lower Upper

84 100

86 67.7 42.8 79.6

49 144.5 99.5 184.7



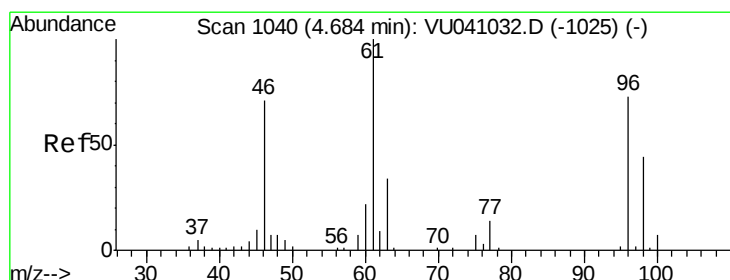
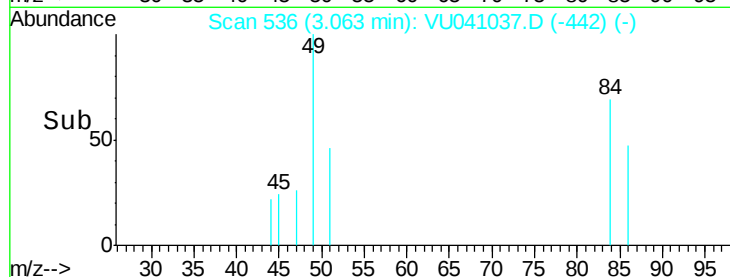
Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

3.06

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.067 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

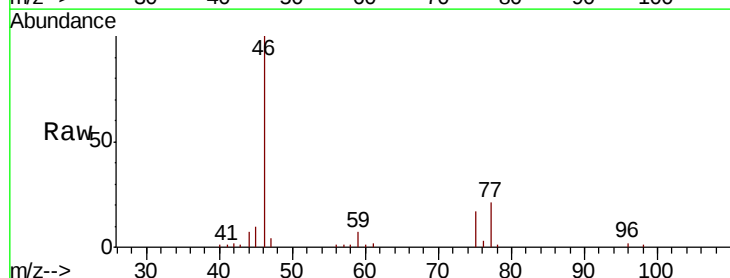
Tgt Ion: 96 Resp: 253

Ion Ratio Lower Upper

96 100

61 112.9 97.2 180.4

68 0.0 0.0 0.0



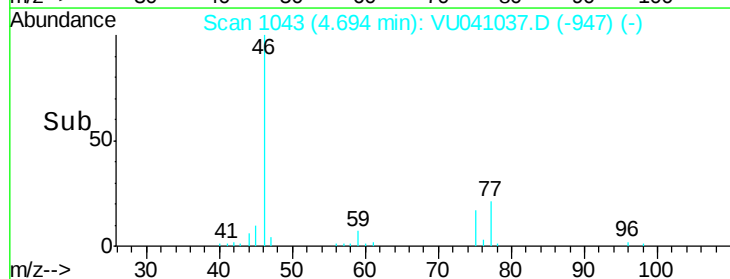
Abundance Ion 96.00 (95.70 to 96.70): VU0

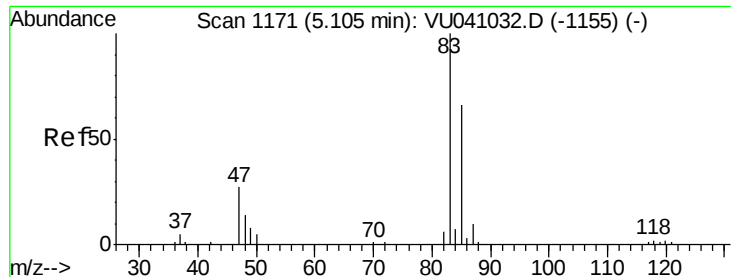
Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

4.69

Time-->

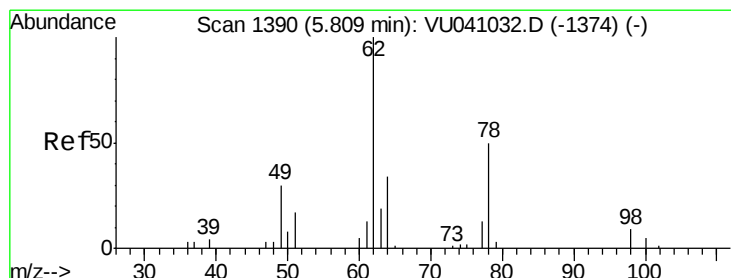
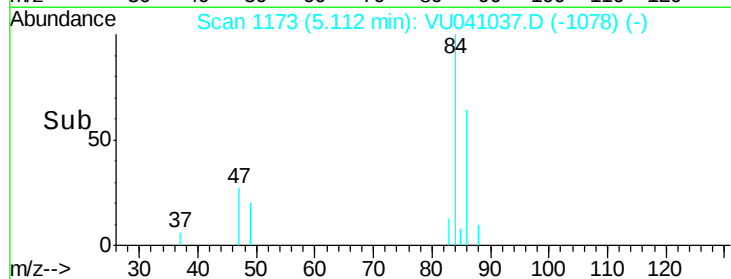
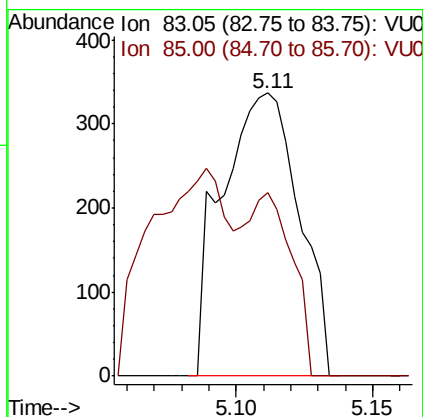
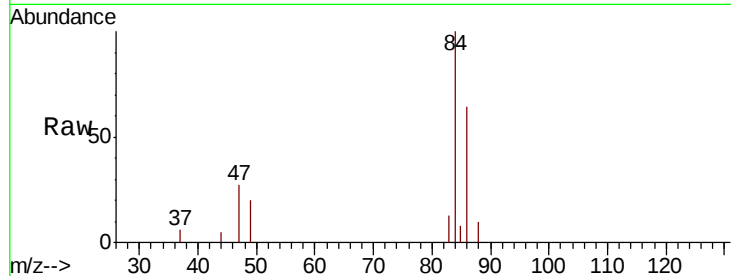




#25
Chloroform
Concen: 0.090 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

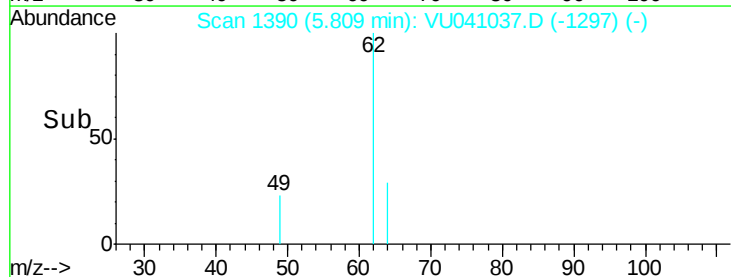
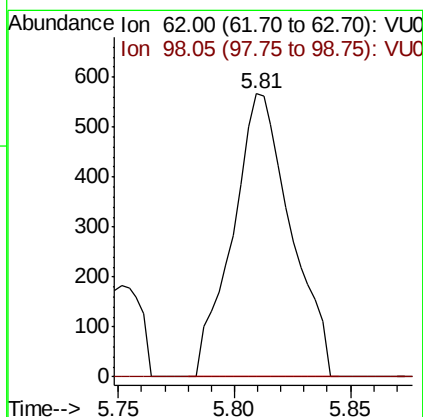
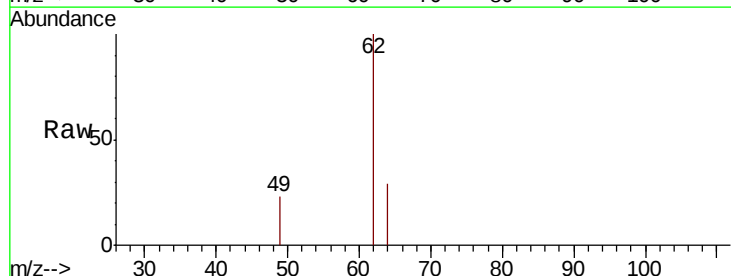
Instrument :
MSVOA_U
ClientSampleId :
C0BQ1DL

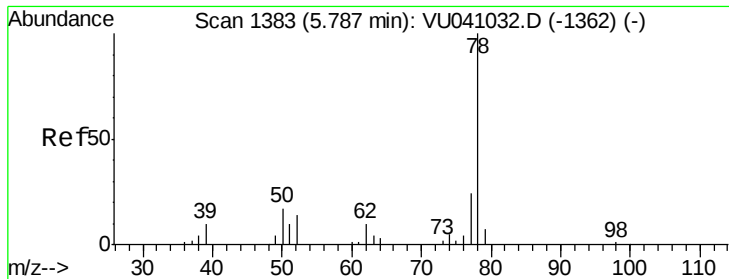
Tot Ion: 83 Resp: 661
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.181 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

Tgt Ion: 62 Resp: 990
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

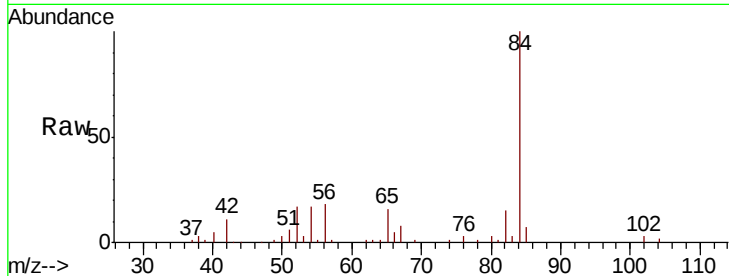
Instrument :

MSVOA_U

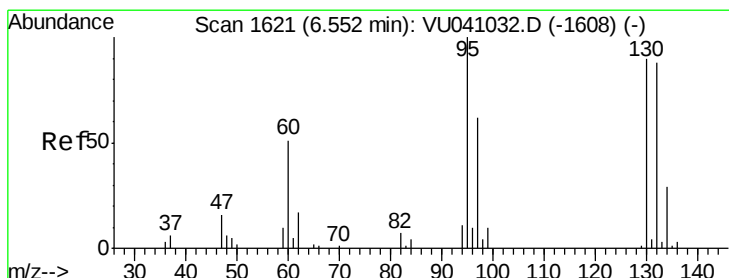
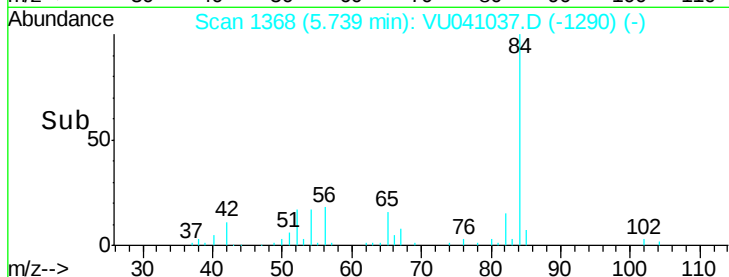
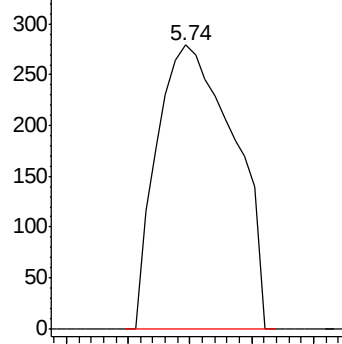
ClientSampleId :

C0BQ1DL

Tgt Ion: 78 Resp: 485



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 11.862 ug/L

RT: 6.56 min Scan# 1622

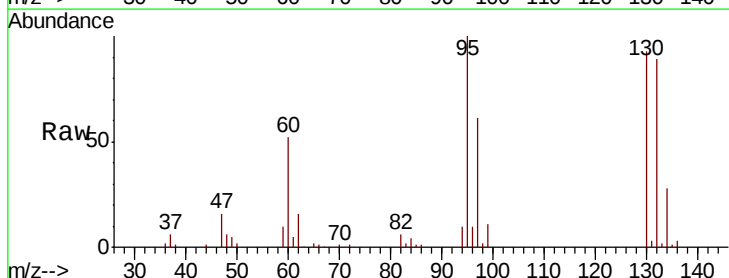
Delta R.T. 0.00 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

Tgt Ion: 95 Resp: 47079

Ion	Ratio	Lower	Upper
95	100		
97	61.4	45.6	84.6
132	89.2	64.8	120.4
130	93.2	64.8	120.4

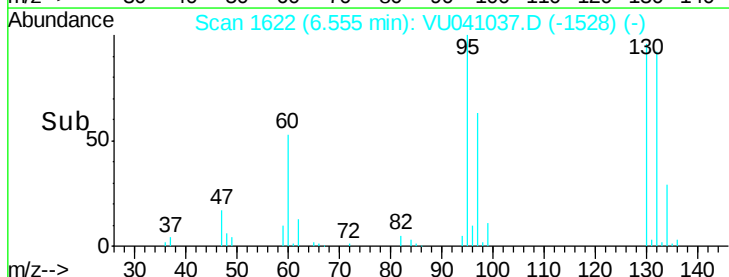


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

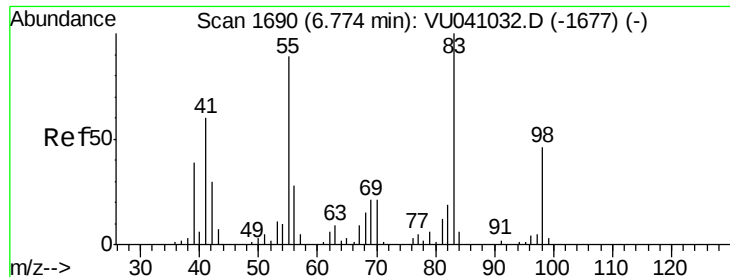


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

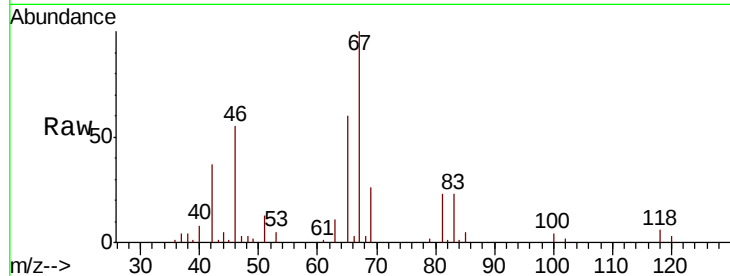
Ion 129.95 (129.65 to 130.65): VU0



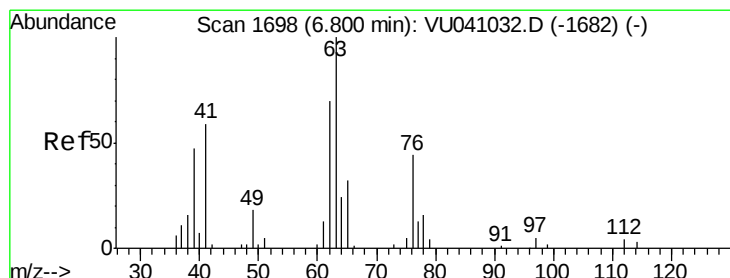
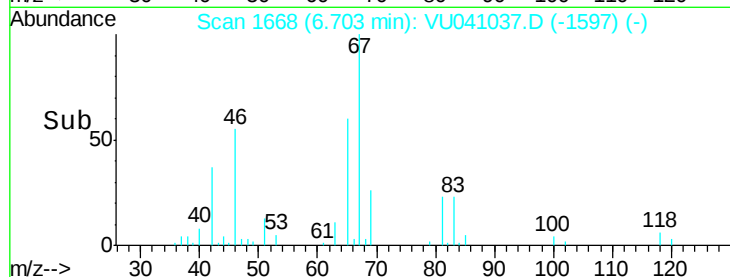
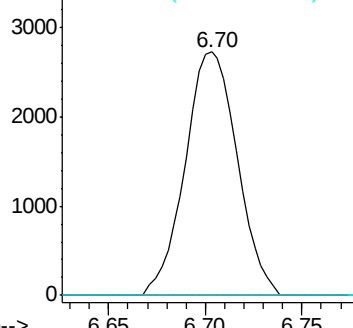
#35
Methvlcvclohexane
Concen: 0.863 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

Instrument :
MSVOA_U
ClientSampleId :
C0BQ1DL

Tot Ion: 83 Resp: 5109
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

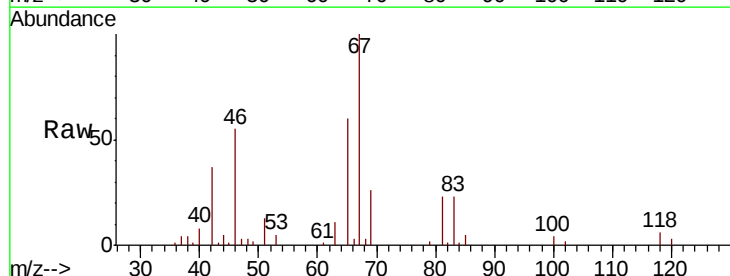


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

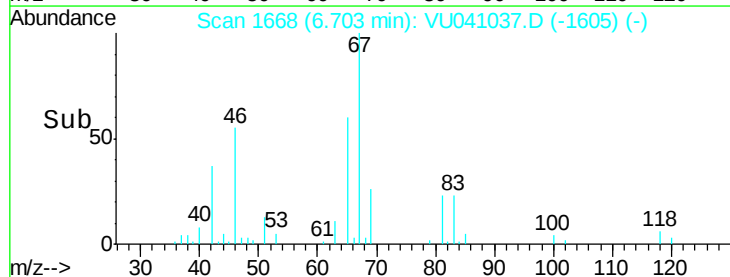
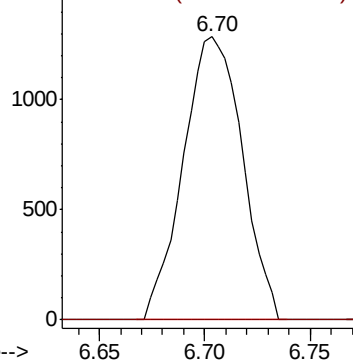


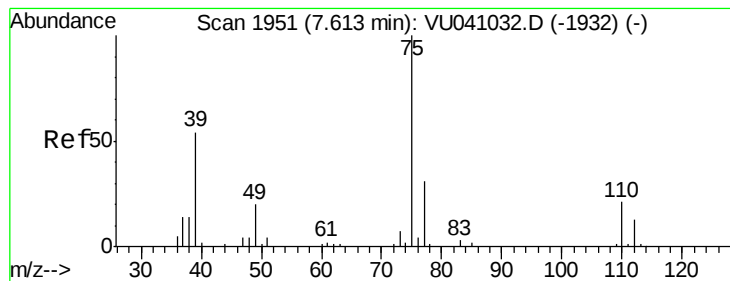
#37
1,2-Dichloropropane
Concen: 0.594 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

Tgt Ion: 63 Resp: 2505
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



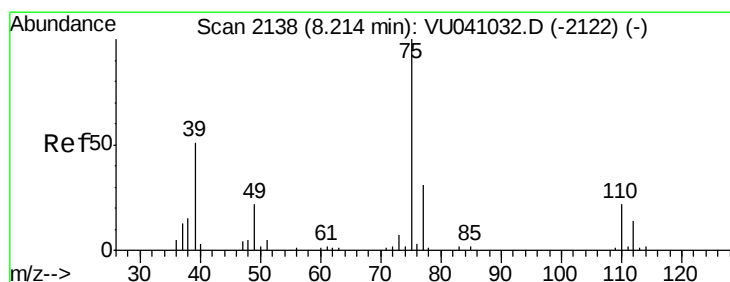
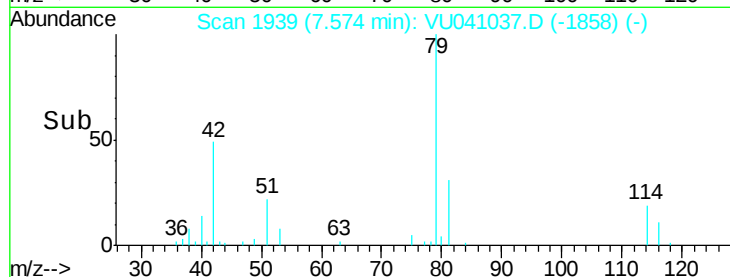
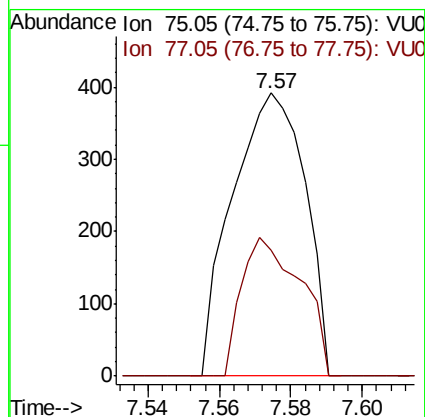
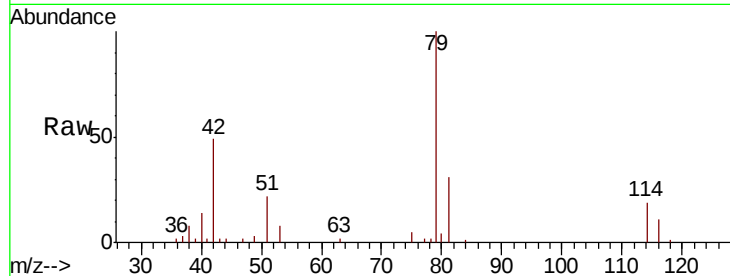


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

Instrument :
MSVOA_U
ClientSampleId :
C0BQ1DL

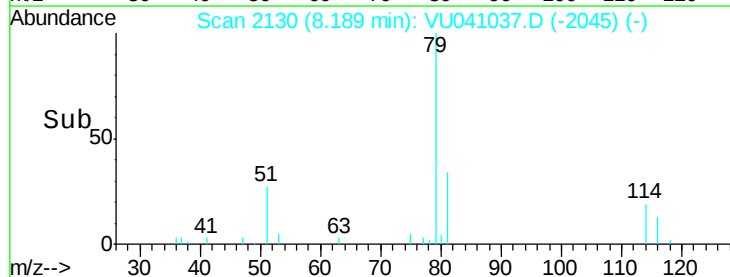
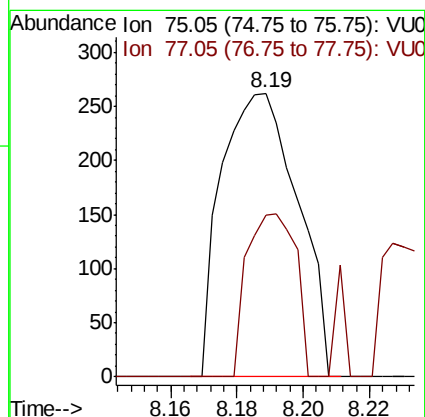
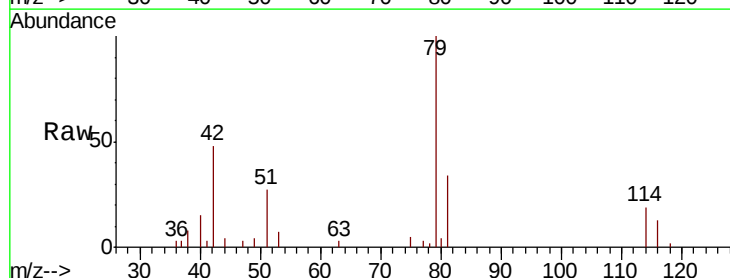
Tot Ion: 75 Resp: 551
Ion Ratio Lower Upper
75 100
77 44.6 22.7 42.3#

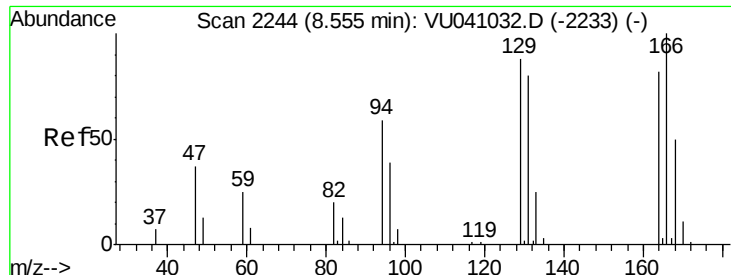


#44

trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041037.D
Acq: 30 Oct 2020 12:07

Tgt Ion: 75 Resp: 420
Ion Ratio Lower Upper
75 100
77 57.3 23.3 43.3#





#47

Tetrachloroethene

Concen: 0.324 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

Instrument :

MSVOA_U

ClientSampleId :

C0BQ1DL

Tot Ion:164 Resp: 945

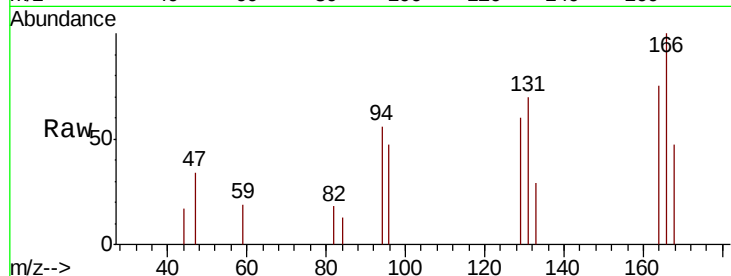
Ion Ratio Lower Upper

164 100

129 80.1 70.3 130.7

131 93.6 70.8 131.4

166 133.0 92.0 170.8

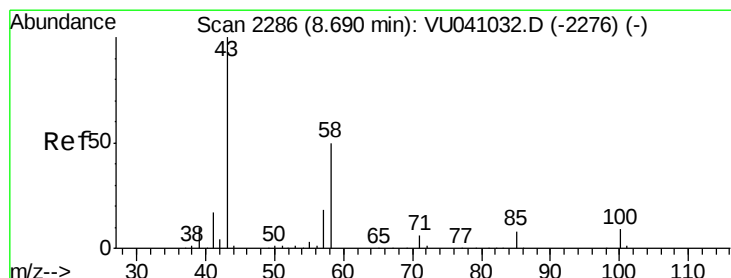
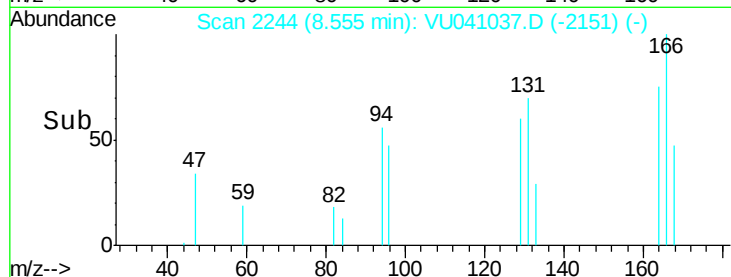
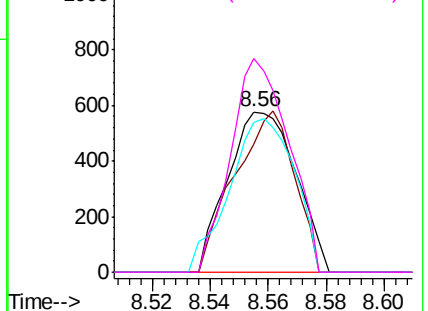


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.585 ug/L

RT: 8.65 min Scan# 2272

Delta R.T. -0.04 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

Tgt Ion: 43 Resp: 9083

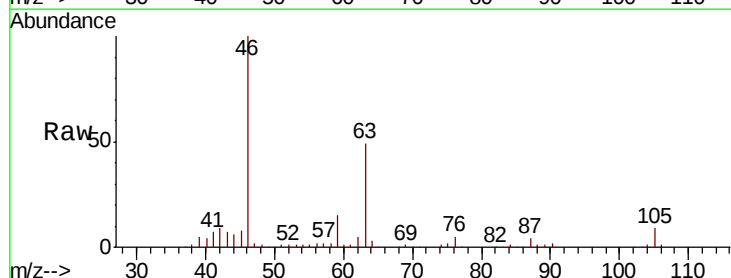
Ion Ratio Lower Upper

43 100

58 25.0 41.4 62.2#

57 27.1 14.6 21.8#

100 0.0 8.3 12.5#

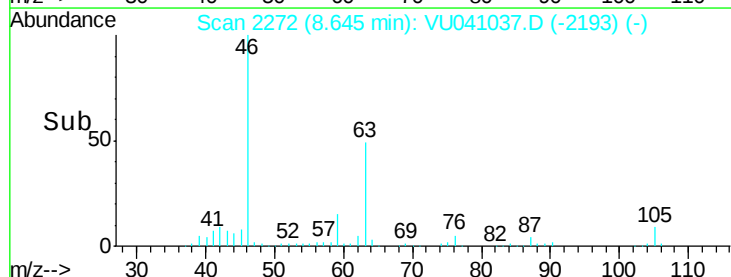
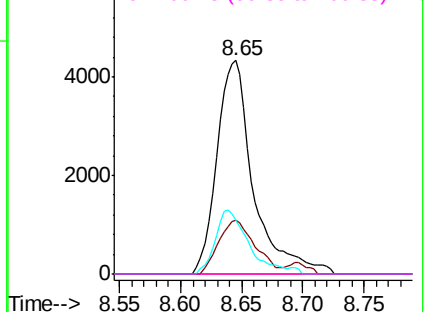


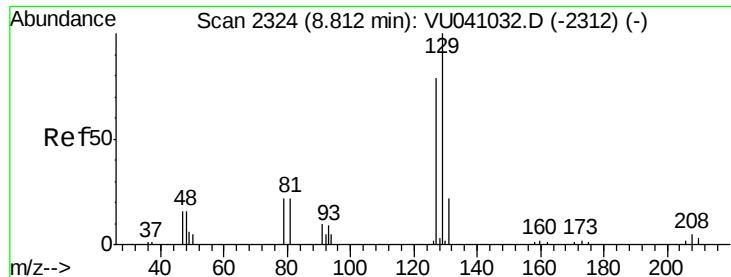
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.228 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU041037.D

Acq: 30 Oct 2020 12:07

Instrument :

MSVOA_U

ClientSampleId :

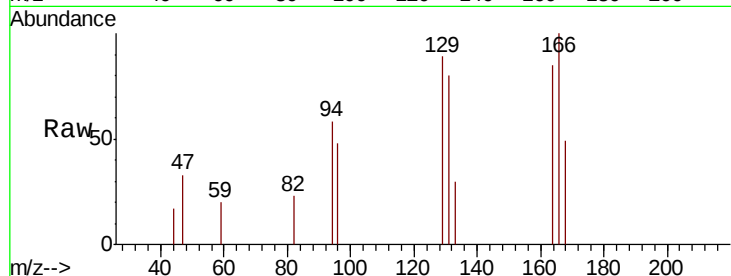
C0BQ1DL

Tot Ion:129 Resp: 832

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

8.56

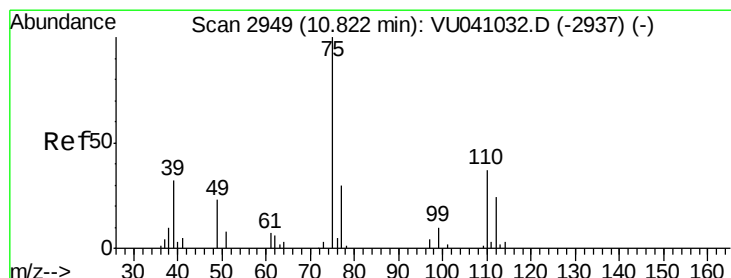
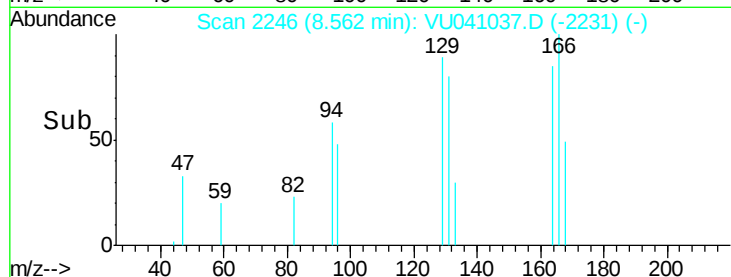
600

400

200

0

Time--> 8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 0.995 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041037.D

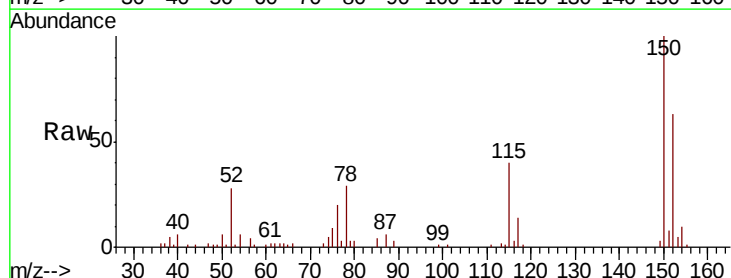
Acq: 30 Oct 2020 12:07

Tgt Ion: 75 Resp: 3130

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

11.81

2000

1500

1000

500

0

Time--> 11.75 11.80 11.85

