

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041490.D
 Acq On : 07 Dec 2020 13:58
 Operator : SY/MD
 Sample : L4944-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7DL

Quant Time: Dec 08 04:33:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 08 04:32:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59443	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58414	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30718	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9990	3.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.40%
7) Chloroethane-d5	1.92	69	10267	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.58	63	20168	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.65	46	49363	43.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.24%
24) Chloroform-d	5.08	84	33328	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.72	65	23498	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	5.74	84	50807	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.00%
36) 1,2-Dichloropropane-d6	6.70	67	14367	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.60%
41) Toluene-d8	7.90	98	47321	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
43) trans-1,3-Dichloropropene-	8.19	79	8995	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.64	63	36656	39.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	16800	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	23026	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
8) Chloroethane	1.96	64	168	0.064	ug/L # 45
9) Trichlorofluoromethane	2.15	101	22772	2.520	ug/L 100
16) Methylene chloride	3.07	84	813	0.175	ug/L # 68
22) cis-1,2-Dichloroethene	4.68	96	918	0.236	ug/L 94
31) Carbon tetrachloride	5.53	117	381	0.049	ug/L 99
33) Benzene	5.74	78	392	0.027	ug/L 100
34) Trichloroethene	6.55	95	11022	2.526	ug/L 97
35) Methylcyclohexane	6.70	83	4520	0.759	ug/L # 22
37) 1,2-Dichloropropane	6.70	63	2241	0.661	ug/L # 84
39) cis-1,3-Dichloropropene	7.57	75	527	0.086	ug/L # 78
44) trans-1,3-Dichloropropene	8.18	75	418	0.068	ug/L 97
47) Tetrachloroethene	8.56	164	18291	5.307	ug/L 95
48) 2-Hexanone	8.64	43	5546	2.542	ug/L # 69
49) Dibromochloromethane	8.56	129	17908	4.023	ug/L # 12
59) 1,2,3-Trichloropropane	11.81	75	2632	0.801	ug/L # 71

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QLast Update : Tue Dec 08 04:32:02 2020
Response via : Initial Calibration

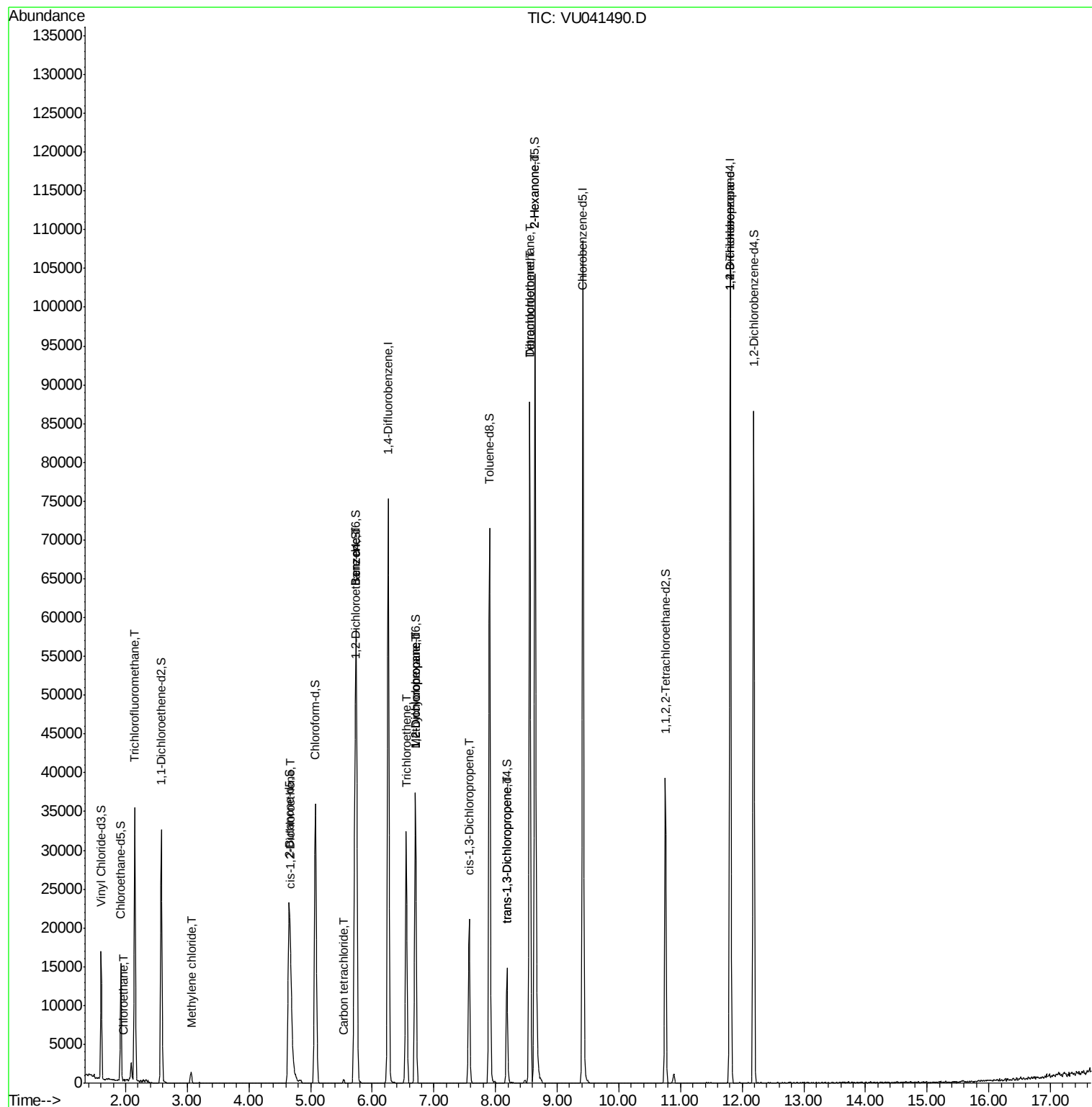
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

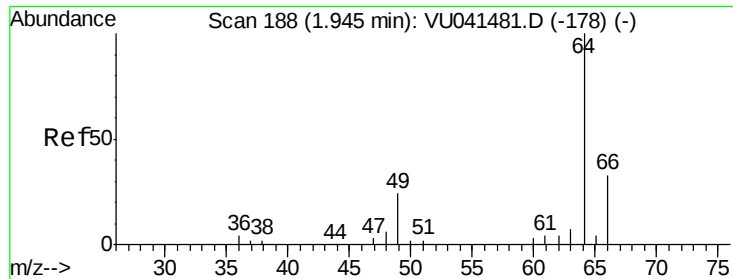
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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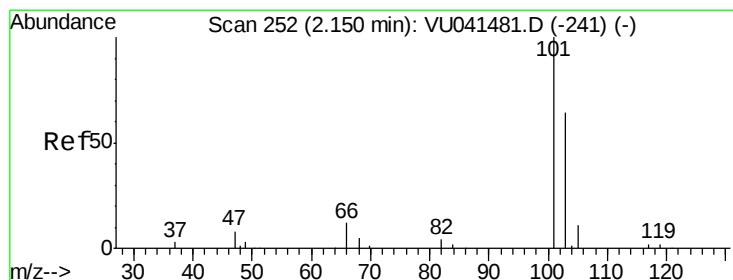
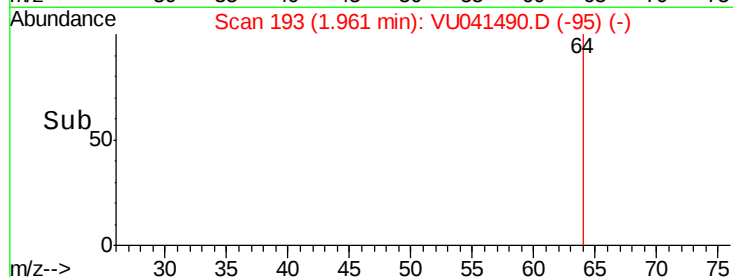
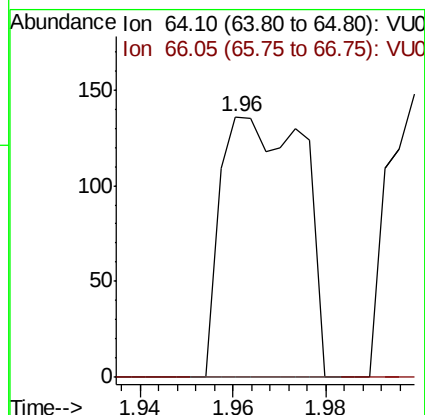
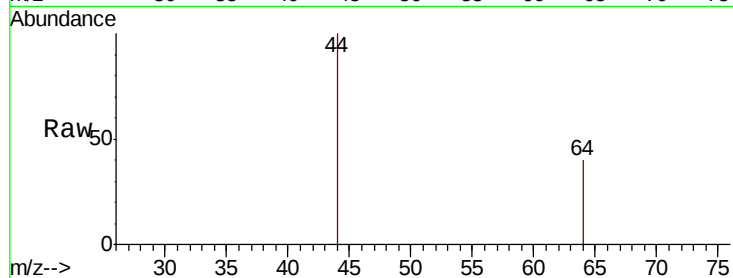




#8
Chloroethane
Concen: 0.064 ug/L
RT: 1.96 min Scan# 193
Delta R.T. 0.02 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

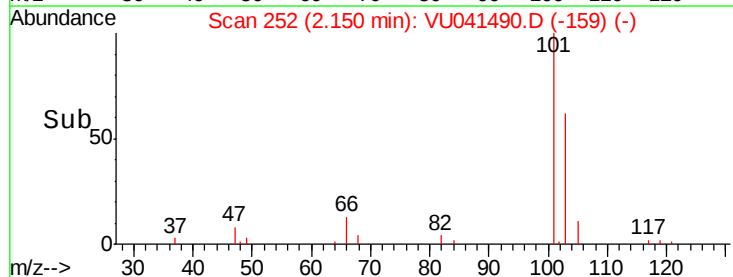
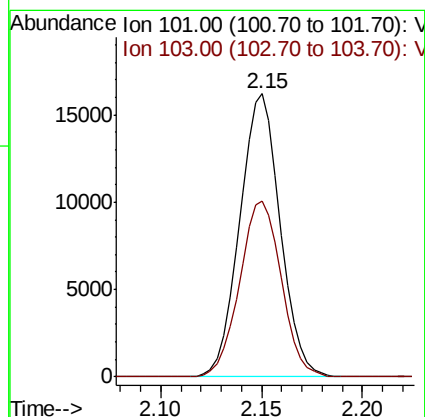
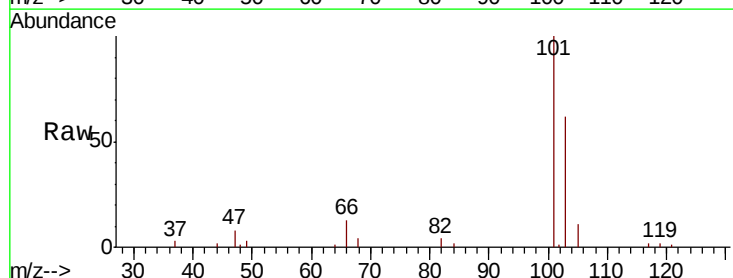
Instrument :
MSVOA_U
ClientSampleId :
C0AP7DL

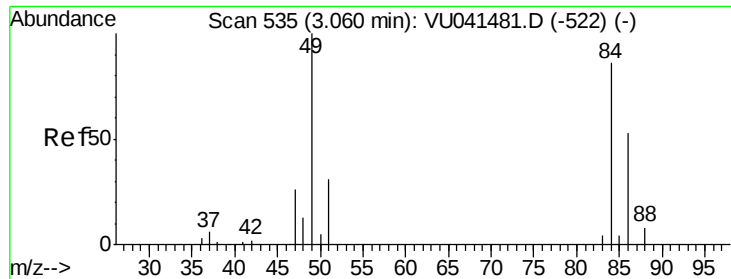
Tot Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#9
Trichlorofluoromethane
Concen: 2.520 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

Tgt Ion: 101 Resp: 22772
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.0

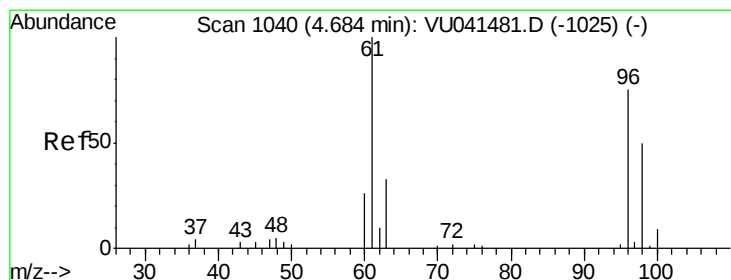
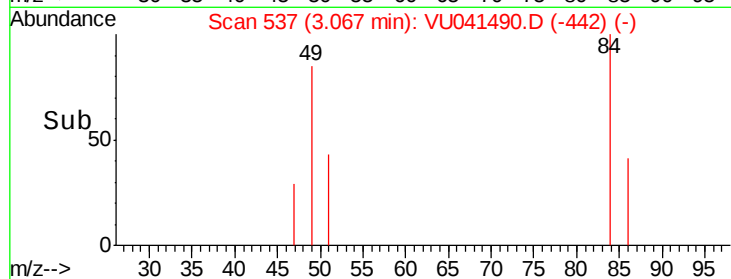
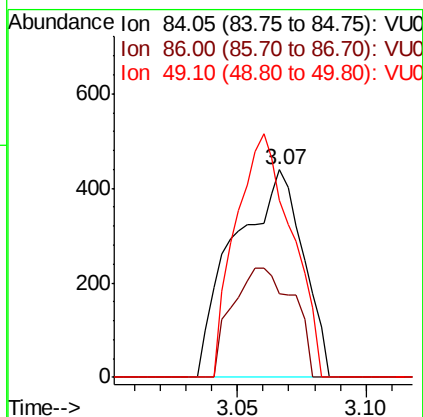
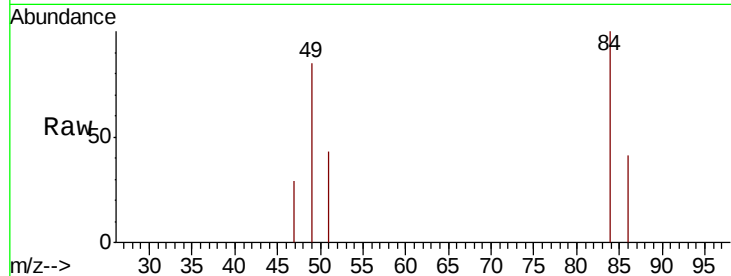




#16
Methylene chloride
Concen: 0.175 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

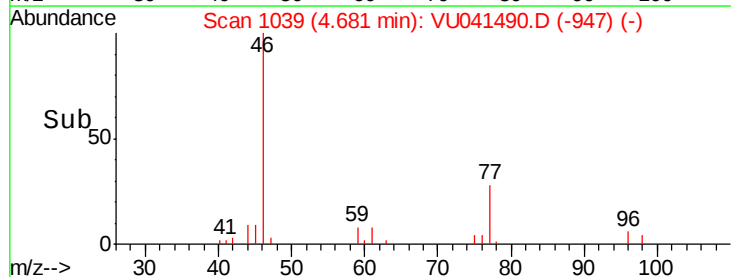
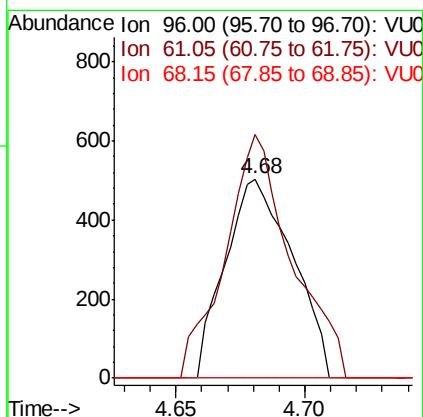
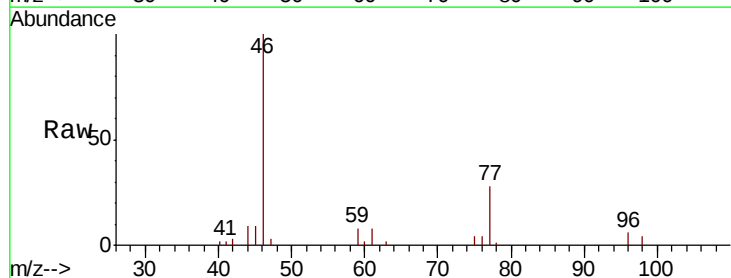
Instrument :
MSVOA_U
ClientSampleId :
C0AP7DL

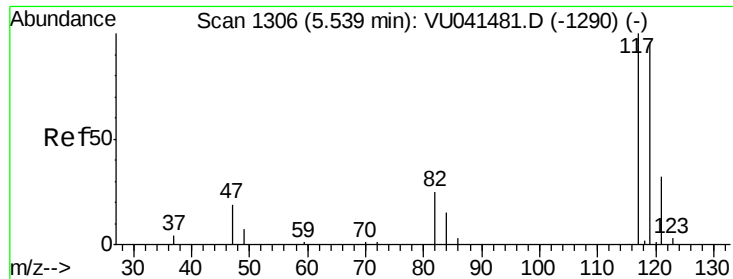
Tot Ion: 84 Resp: 813
Ion Ratio Lower Upper
84 100
86 40.5 44.1 81.9#
49 85.4 86.1 159.9#



#22
cis-1,2-Dichloroethene
Concen: 0.236 ug/L
RT: 4.68 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

Tgt Ion: 96 Resp: 918
Ion Ratio Lower Upper
96 100
61 122.2 90.5 168.1
68 0.0 0.0 0.0





#31

Carbon tetrachloride

Concen: 0.049 ug/L

RT: 5.53 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VU041490.D

Acq: 07 Dec 2020 13:58

Instrument :

MSVOA_U

ClientSampleId :

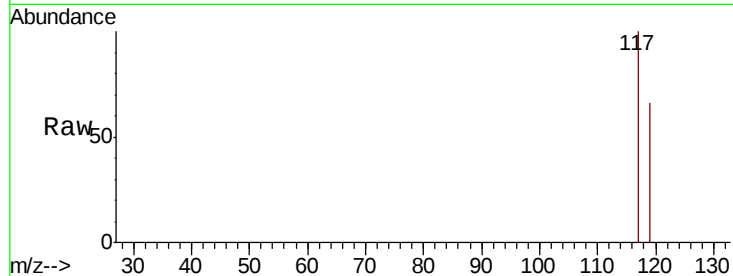
C0AP7DL

Tot Ion:117 Resp: 381

Ion Ratio Lower Upper

117 100

119 95.3 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.53

250

200

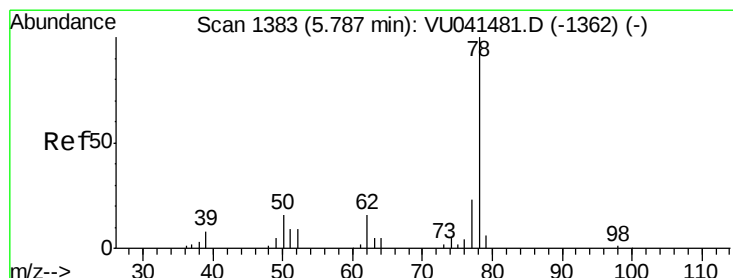
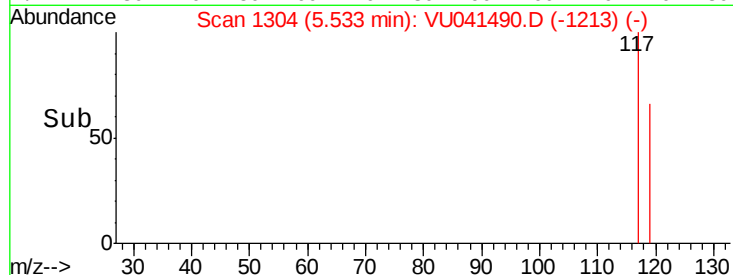
150

100

50

0

Time-->



#33

Benzene

Concen: 0.027 ug/L

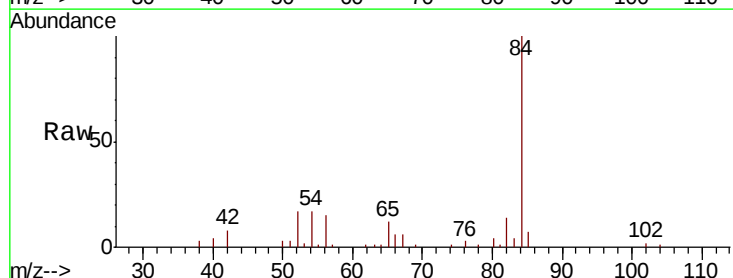
RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU041490.D

Acq: 07 Dec 2020 13:58

Tgt Ion: 78 Resp: 392



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.74

250

200

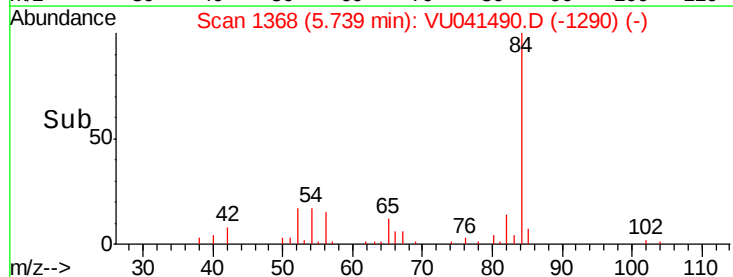
150

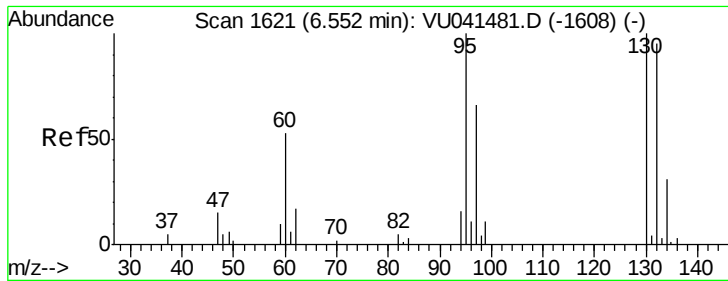
100

50

0

Time-->

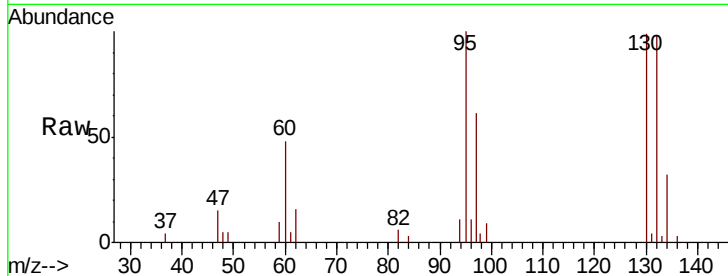




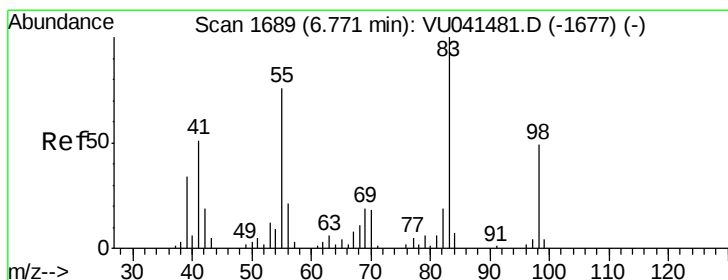
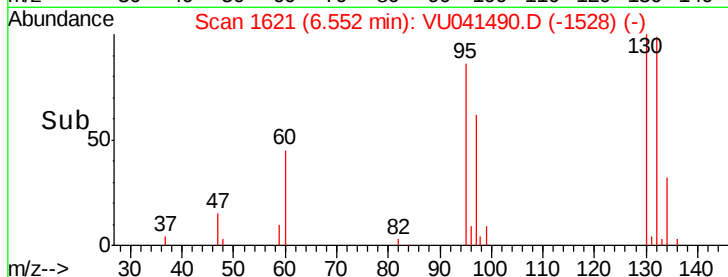
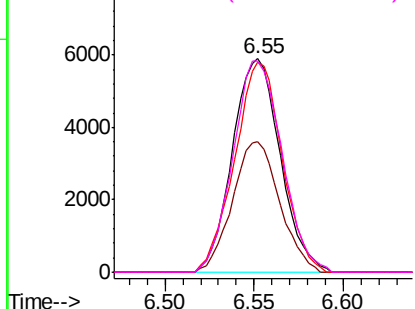
#34
 Trichloroethene
 Concen: 2.526 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041490.D
 Acq: 07 Dec 2020 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7DL

Tot Ion: 95 Resp: 11022
 Ion Ratio Lower Upper
 95 100
 97 61.1 44.7 83.1
 132 98.2 65.7 121.9
 130 98.7 68.8 127.8

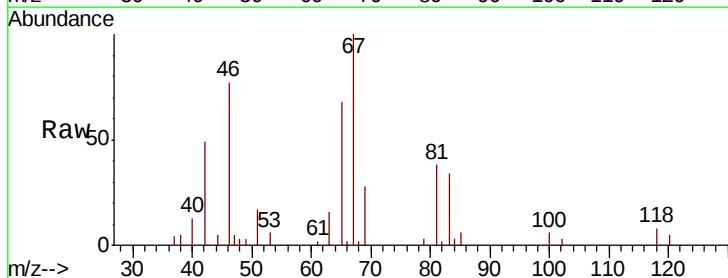


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

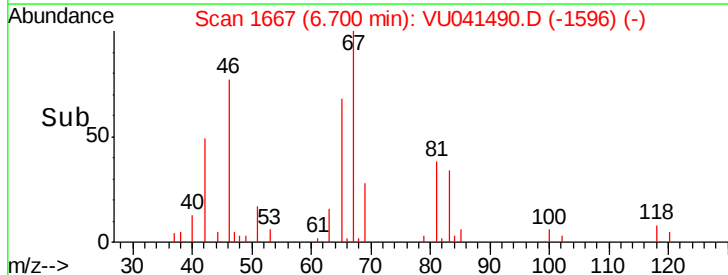
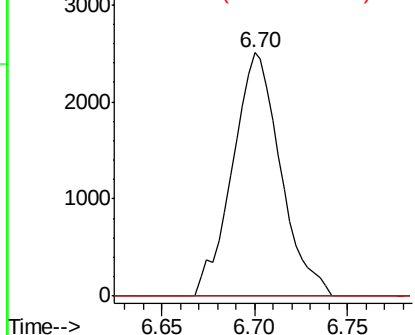


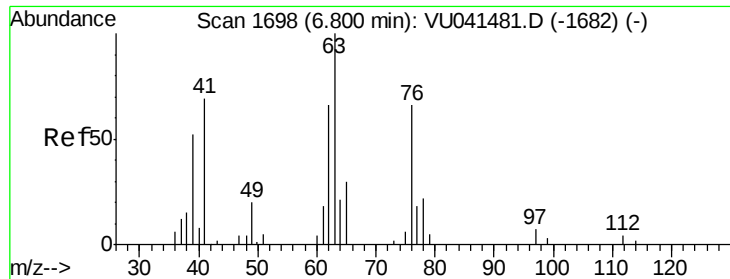
#35
 Methylcyclohexane
 Concen: 0.759 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041490.D
 Acq: 07 Dec 2020 13:58

Tgt Ion: 83 Resp: 4520
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 7.5 38.7 58.1#



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: 0.661 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041490.D

Acq: 07 Dec 2020 13:58

Instrument :

MSVOA_U

ClientSampleId :

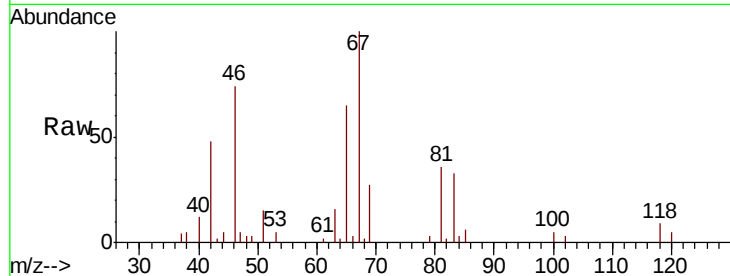
C0AP7DL

Tot Ion: 63 Resp: 2241

Ion Ratio Lower Upper

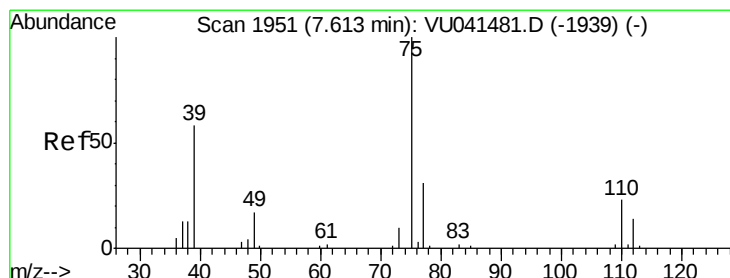
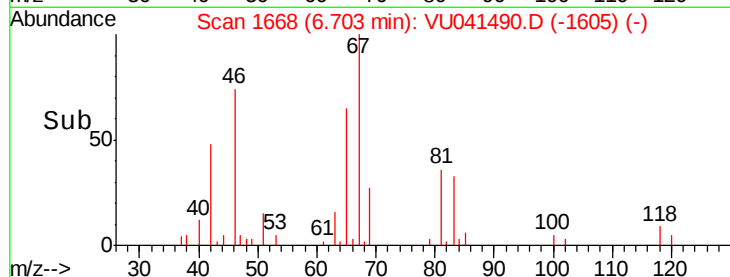
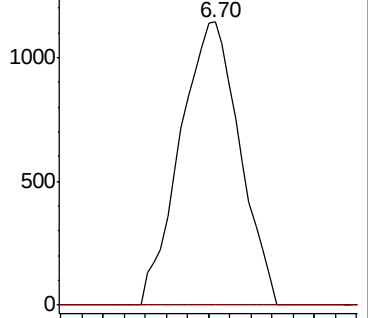
63 100

112 0.0 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VU041481.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU041481.D (-1682) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041490.D

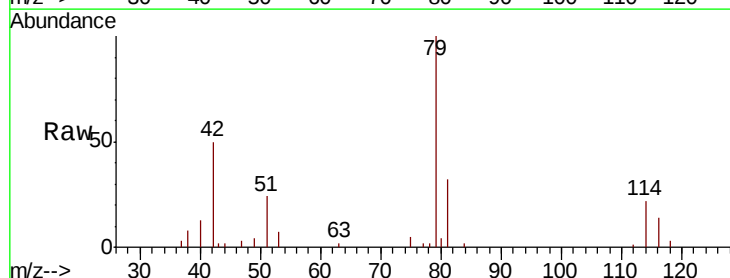
Acq: 07 Dec 2020 13:58

Tgt Ion: 75 Resp: 527

Ion Ratio Lower Upper

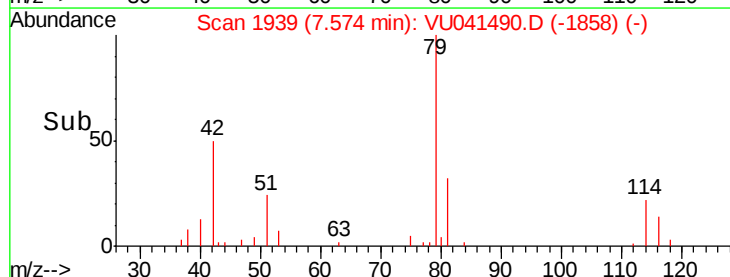
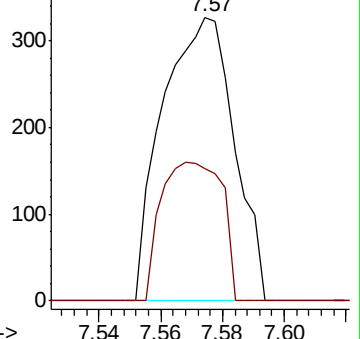
75 100

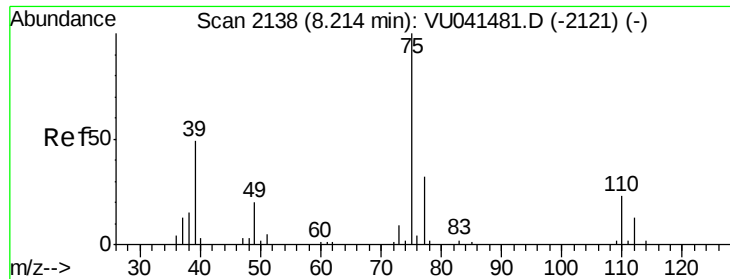
77 46.8 24.0 44.6#



Abundance Ion 75.05 (74.75 to 75.75): VU041481.D (-1939) (-)

Ion 77.05 (76.75 to 77.75): VU041481.D (-1939) (-)

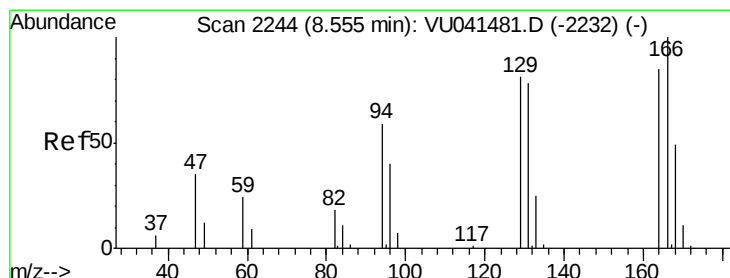
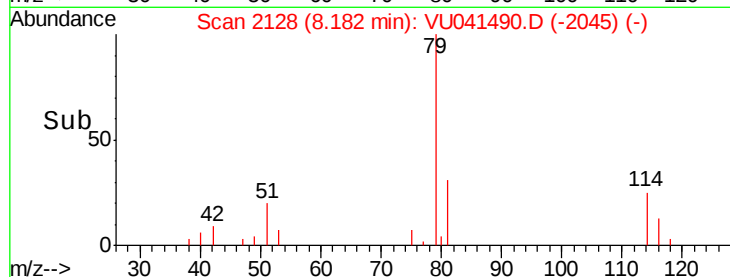
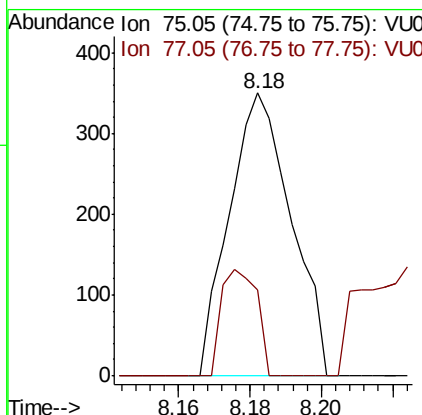
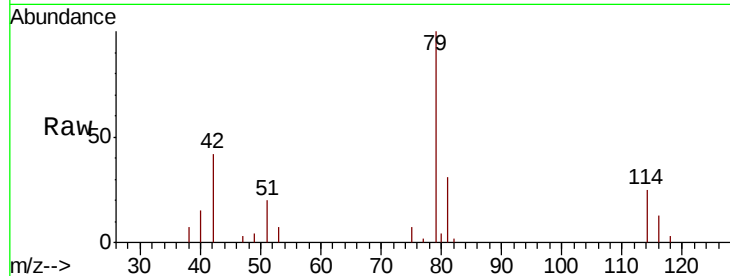




#44
trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

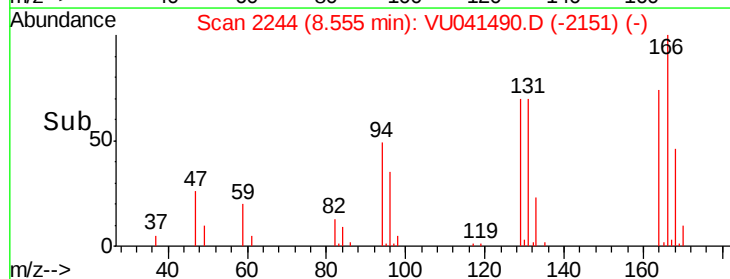
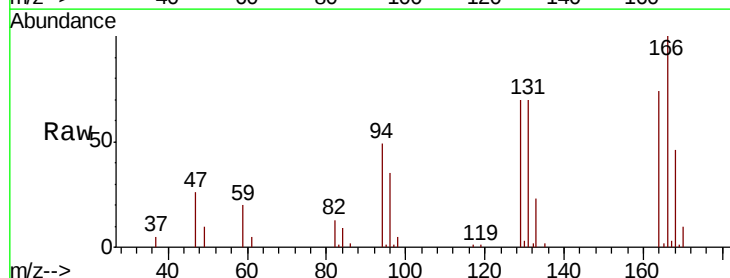
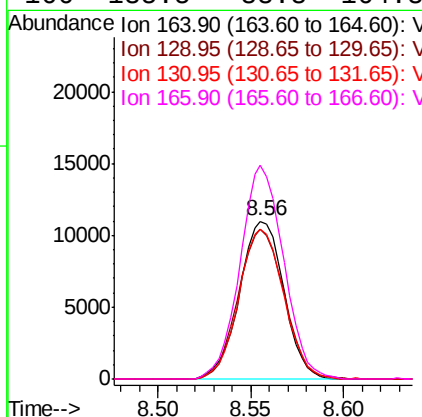
Instrument :
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C0AP7DL

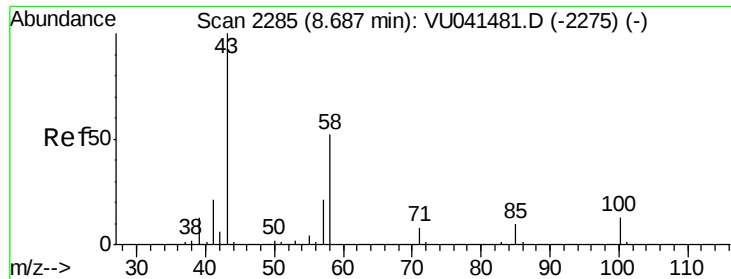
Tot Ion: 75 Resp: 418
Ion Ratio Lower Upper
75 100
77 30.6 22.7 42.3



#47
Tetrachloroethene
Concen: 5.307 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

Tgt Ion:164 Resp: 18291
Ion Ratio Lower Upper
164 100
129 95.0 67.1 124.7
131 94.9 63.3 117.7
166 135.5 88.8 164.8

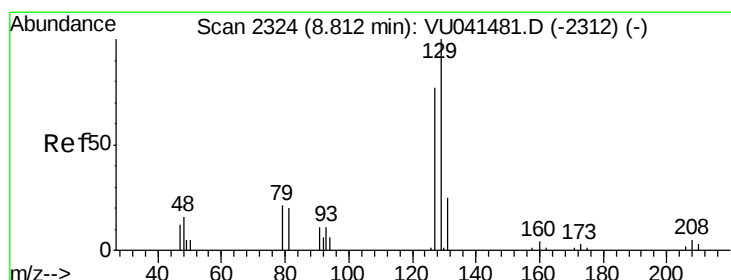
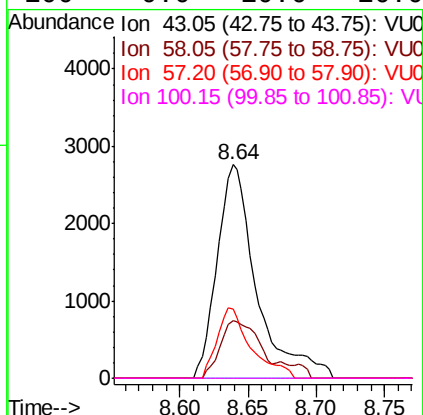
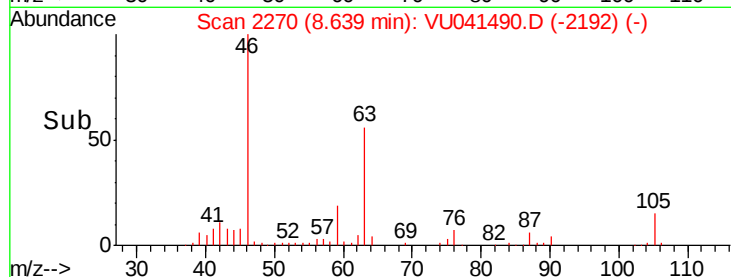
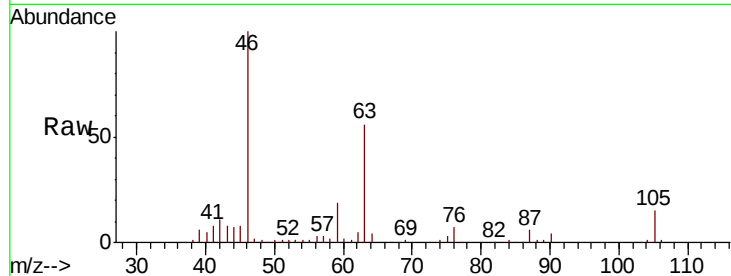




#48
2-Hexanone
Concen: 2.542 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

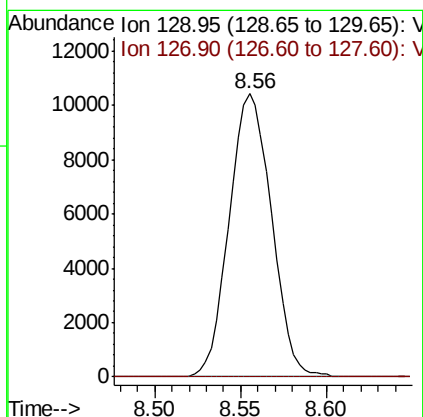
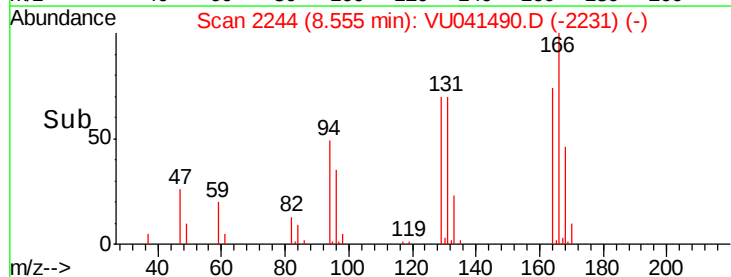
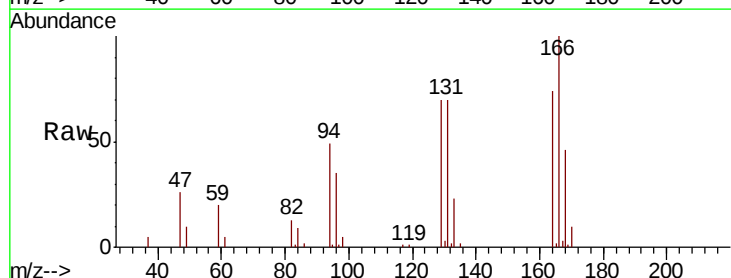
Instrument :
MSVOA_U
ClientSampleId :
C0AP7DL

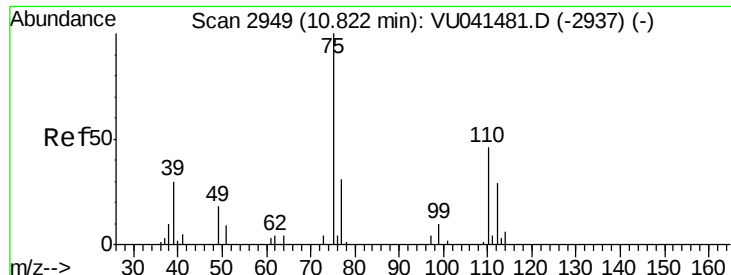
Tot Ion: 43 Resp: 5546
Ion Ratio Lower Upper
43 100
58 25.6 41.4 62.0#
57 28.3 17.1 25.7#
100 0.0 10.6 16.0#



#49
Dibromochloromethane
Concen: 4.023 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041490.D
Acq: 07 Dec 2020 13:58

Tgt Ion: 129 Resp: 17908
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.2#





#59

1,2,3-Trichloropropane

Concen: 0.801 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041490.D

Acq: 07 Dec 2020 13:58

Instrument :

MSVOA_U

ClientSampleId :

C0AP7DL

Tot Ion: 75 Resp: 2632

Ion Ratio Lower Upper

75 100

77 49.2 26.3 39.5#

