

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041485.D
 Acq On : 07 Dec 2020 11:49
 Operator : SY/MD
 Sample : L4944-05DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP9DL

Quant Time: Dec 08 04:33:14 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	49469	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	46223	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23961	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	10433	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.92	69	10608	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	20451	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.65	46	49434	51.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	5.08	84	33435	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	24122	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.74	84	50291	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	14535	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	46795	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	9269	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.64	63	36267	48.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	15847	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	20769	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	92	0.042	ug/L #	45
9) Trichlorofluoromethane	2.15	101	21413	2.848	ug/L	99
16) Methylene chloride	3.07	84	526	0.136	ug/L	79
22) cis-1,2-Dichloroethene	4.69	96	209	0.064	ug/L	94
27) 1,2-Dichloroethane	5.74	62	296	0.055	ug/L #	79
31) Carbon tetrachloride	5.54	117	426	0.069	ug/L	85
33) Benzene	5.74	78	447	0.039	ug/L	100
34) Trichloroethene	6.55	95	5410	1.567	ug/L	97
35) Methylcyclohexane	6.70	83	4470	0.949	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2239	0.835	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	637	0.132	ug/L	91
44) trans-1,3-Dichloropropene	8.18	75	324	0.067	ug/L #	29
45) 1,1,2-Trichloroethane	8.56	97	187	0.072	ug/L #	21
47) Tetrachloroethene	8.56	164	28006	10.268	ug/L	96
48) 2-Hexanone	8.64	43	5161	2.990	ug/L #	70
49) Dibromochloromethane	8.56	129	27539	7.818	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	2429	0.934	ug/L #	80

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 08 04:32:02 2020
Response via : Initial Calibration

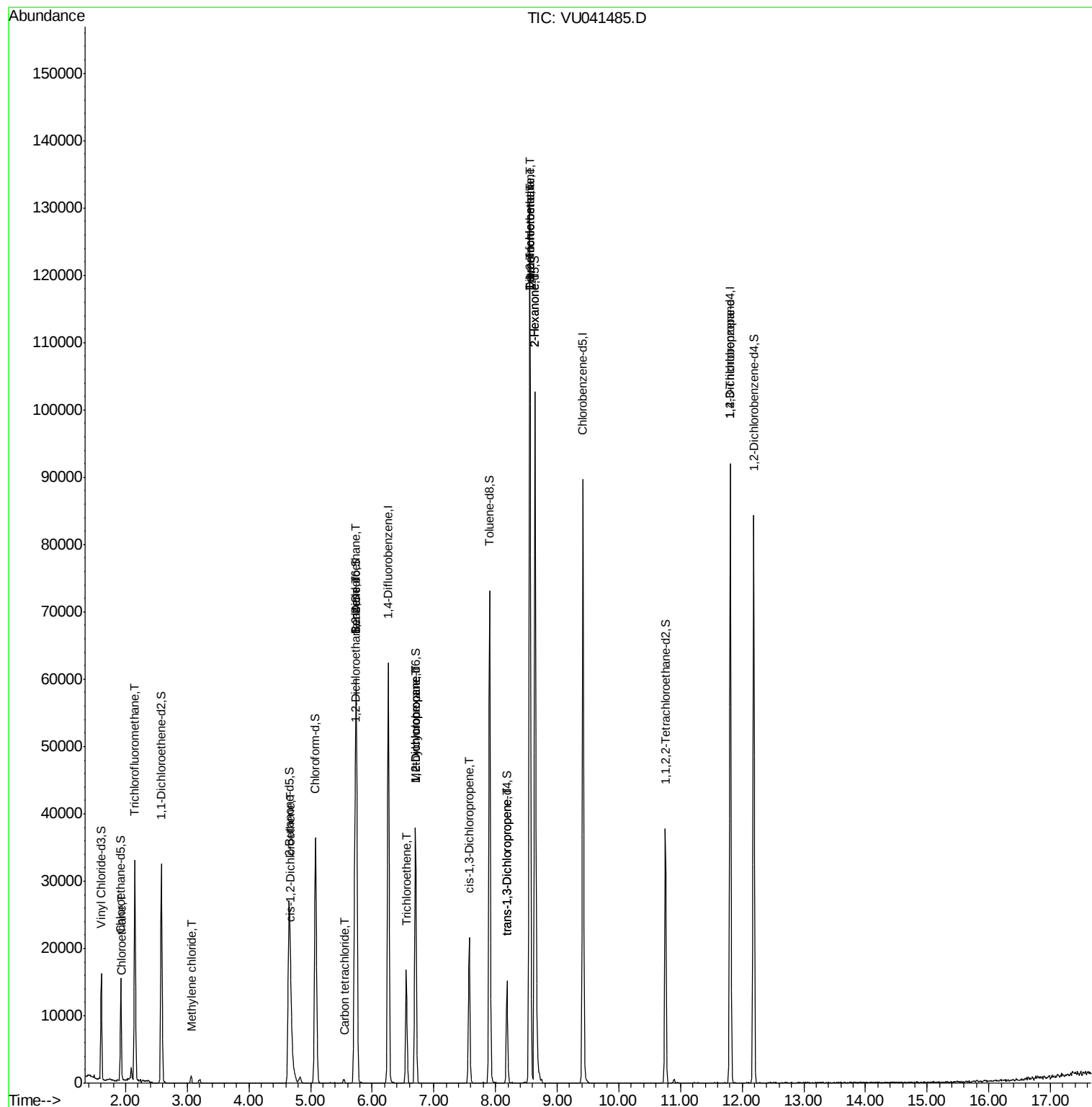
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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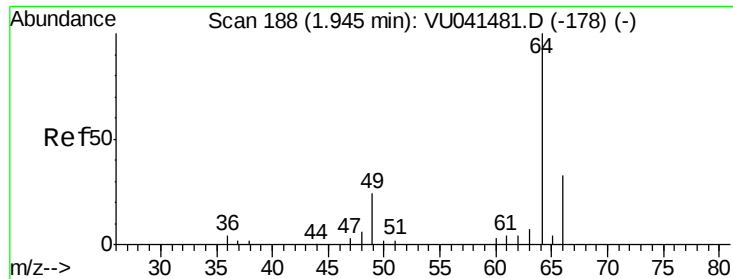
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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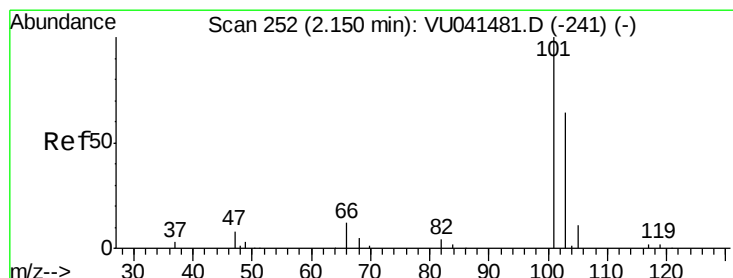
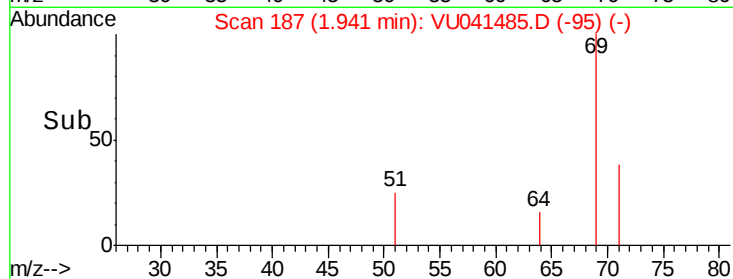
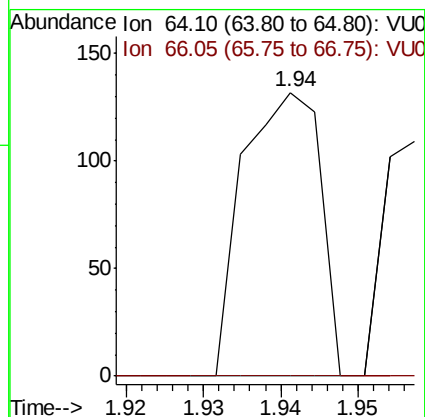
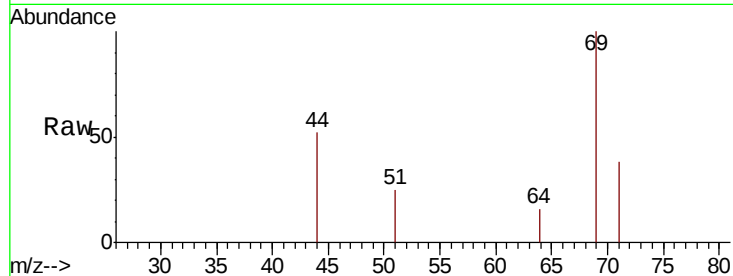




#8
Chloroethane
Concen: 0.042 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

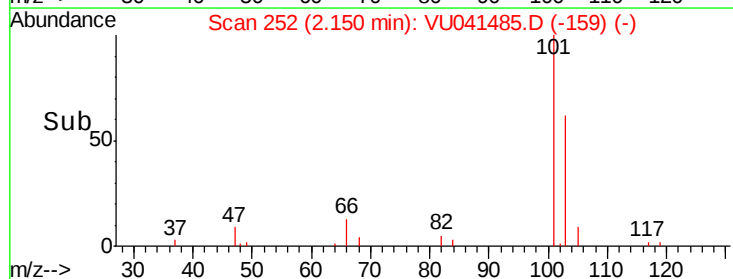
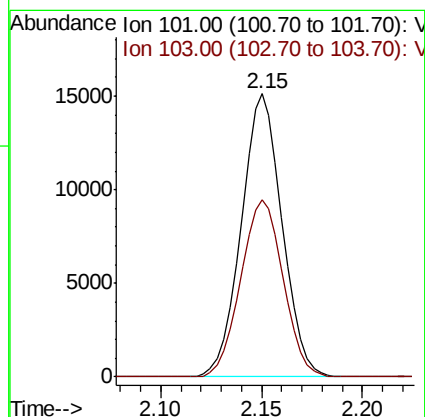
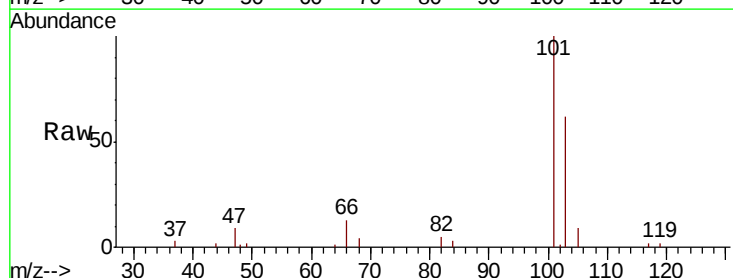
Instrument :
MSVOA_U
ClientSampled :
C0AP9DL

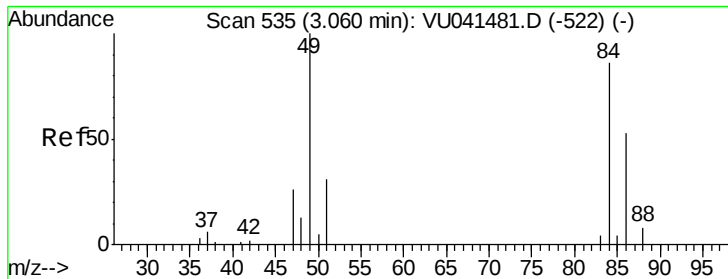
Tot Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#9
Trichlorofluoromethane
Concen: 2.848 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

Tgt Ion:101 Resp: 21413
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0

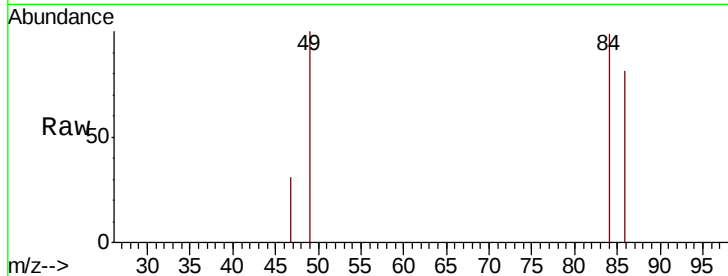




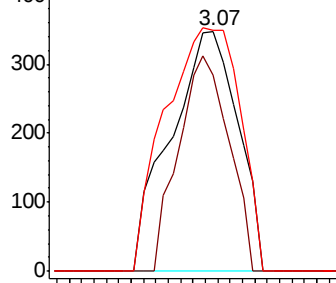
#16
Methylene chloride
Concen: 0.136 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

Instrument :
MSVOA_U
ClientSampleId :
C0AP9DL

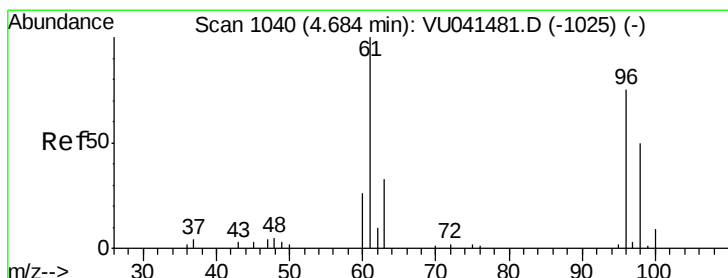
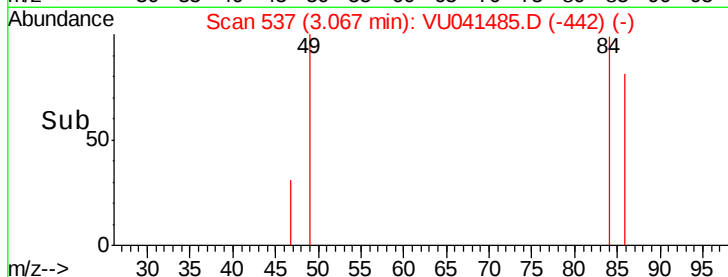
Tot Ion: 84 Resp: 526
Ion Ratio Lower Upper
84 100
86 81.6 44.1 81.9
49 100.6 86.1 159.9



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

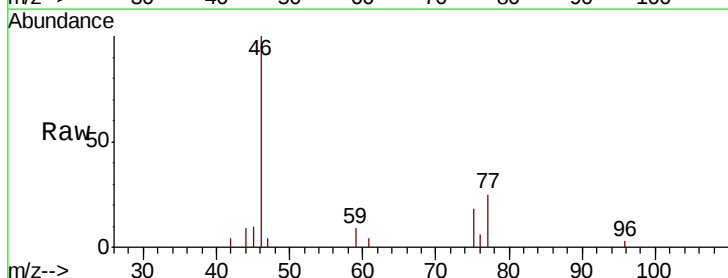


Time-->

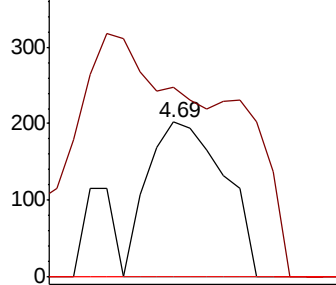


#22
cis-1,2-Dichloroethene
Concen: 0.064 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

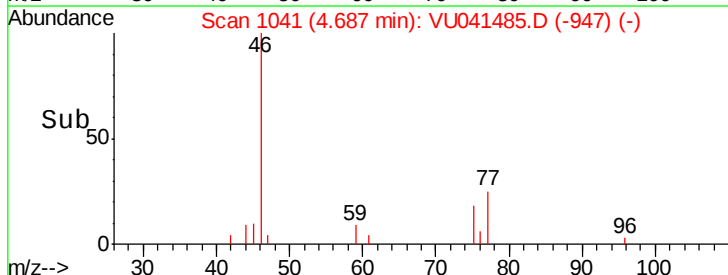
Tgt Ion: 96 Resp: 209
Ion Ratio Lower Upper
96 100
61 122.3 90.5 168.1
68 0.0 0.0 0.0

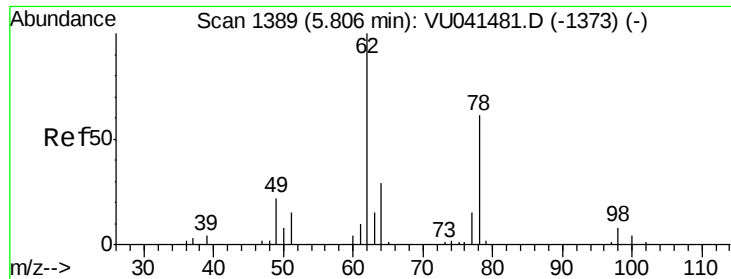


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



Time-->

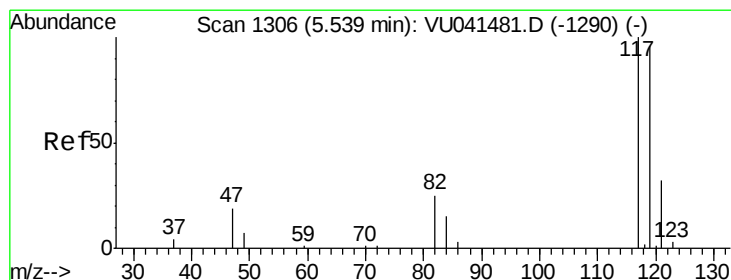
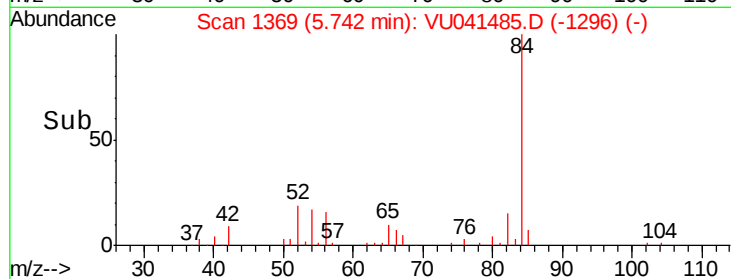
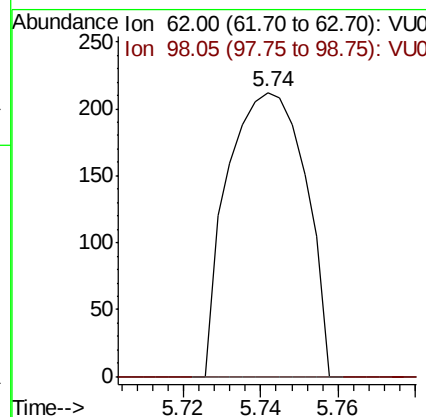
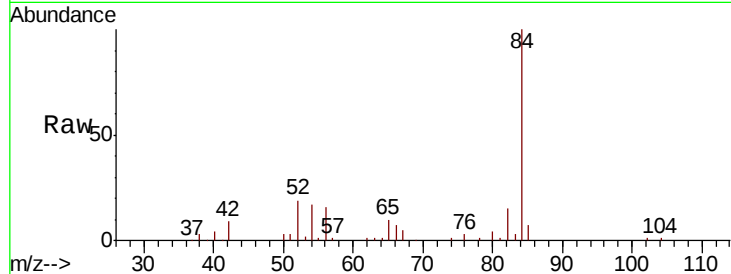




#27
 1,2-Dichloroethane
 Concen: 0.055 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041485.D
 Acq: 07 Dec 2020 11:49

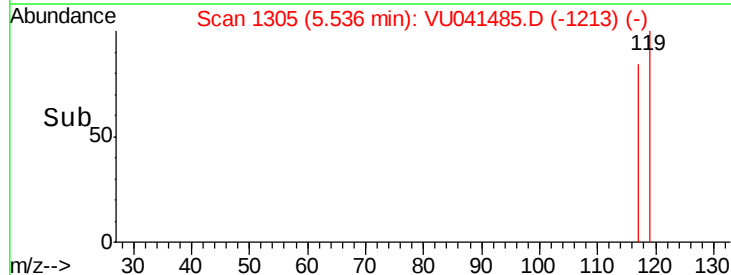
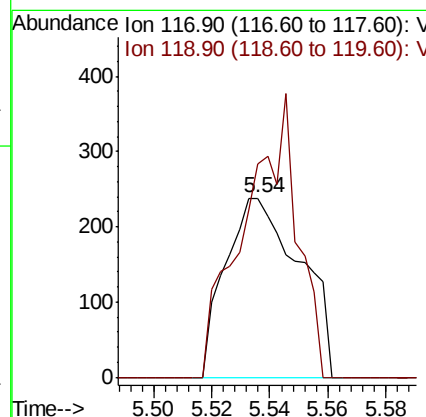
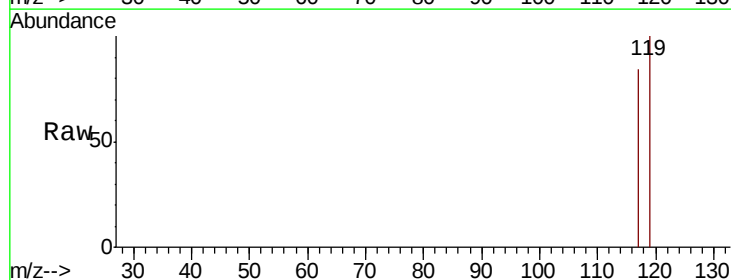
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP9DL

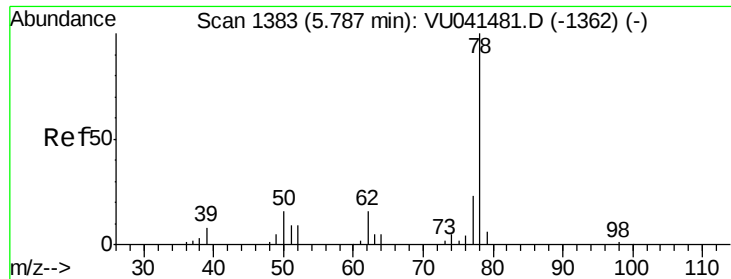
Tot Ion: 62 Resp: 296
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#31
 Carbon tetrachloride
 Concen: 0.069 ug/L
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU041485.D
 Acq: 07 Dec 2020 11:49

Tgt Ion: 117 Resp: 426
 Ion Ratio Lower Upper
 117 100
 119 111.3 77.2 115.8





#33

Benzene

Concen: 0.039 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VU041485.D

Acq: 07 Dec 2020 11:49

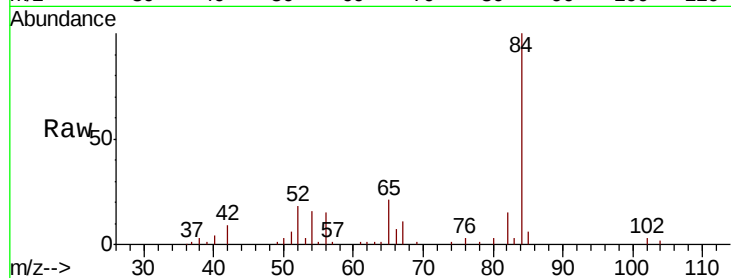
Instrument :

MSVOA_U

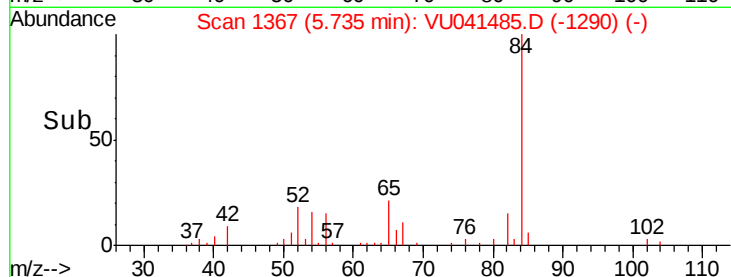
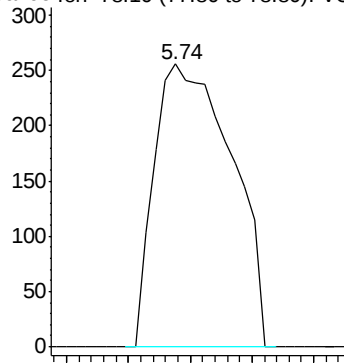
ClientSampleId :

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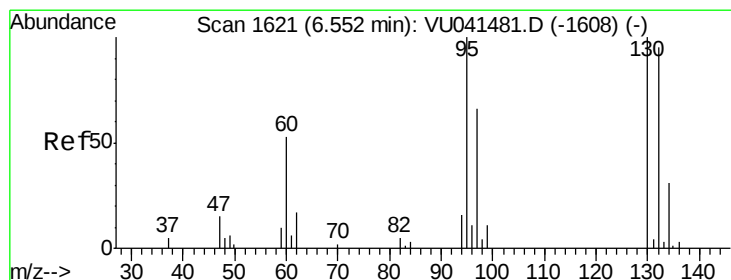
Tgt Ion: 78 Resp: 447



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 1.567 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041485.D

Acq: 07 Dec 2020 11:49

Tgt Ion: 95 Resp: 5410

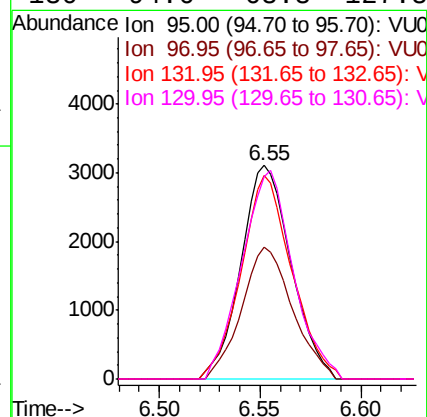
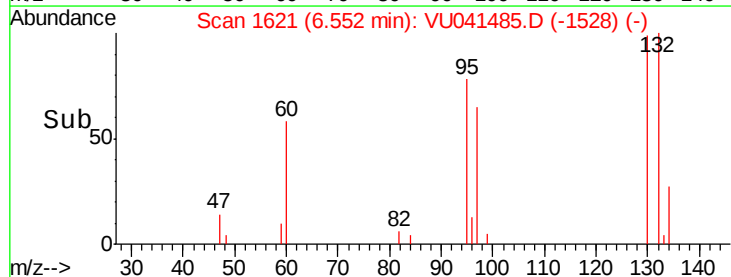
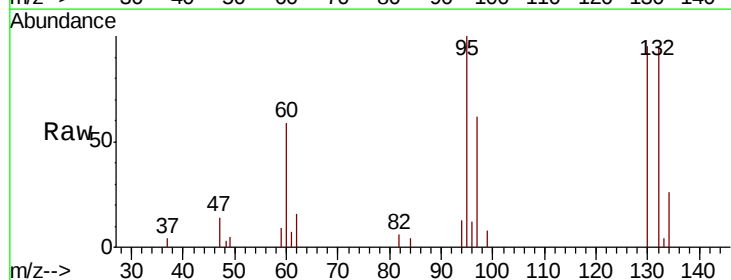
Ion	Ratio	Lower	Upper
95	100		
97	61.9	44.7	83.1
132	95.1	65.7	121.9
130	94.6	68.8	127.8

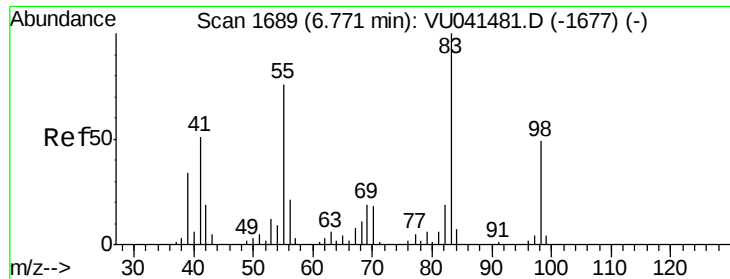
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

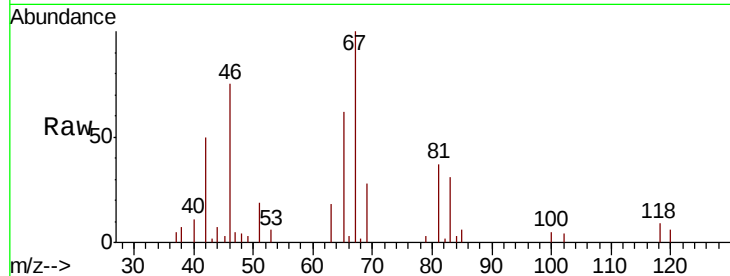




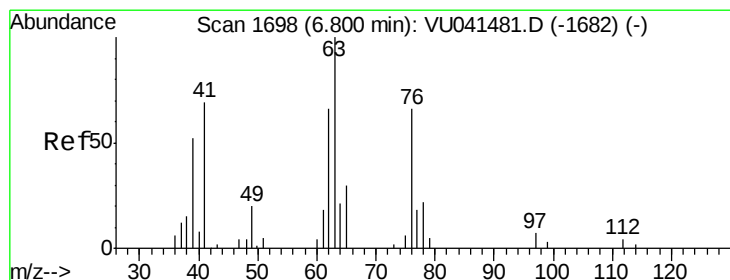
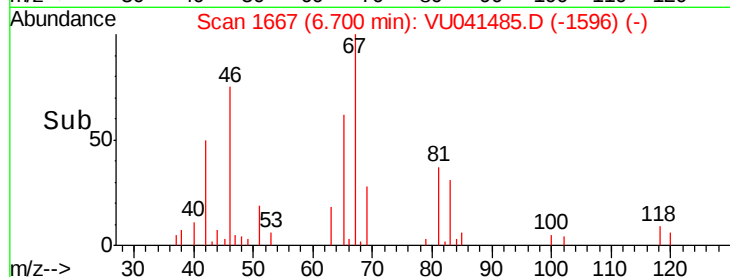
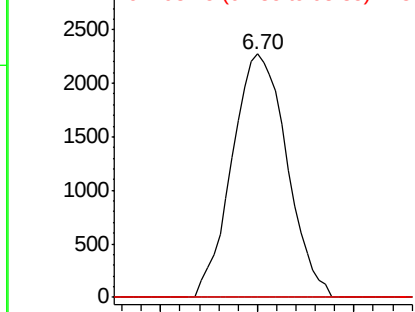
#35
Methvlcvclohexane
Concen: 0.949 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

Instrument :
MSVOA_U
ClientSampleId :
C0AP9DL

Tot Ion: 83 Resp: 4470
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#

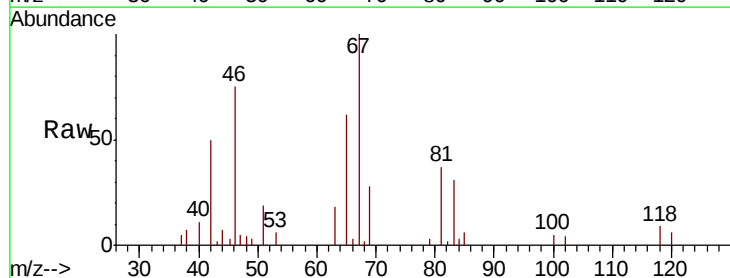


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

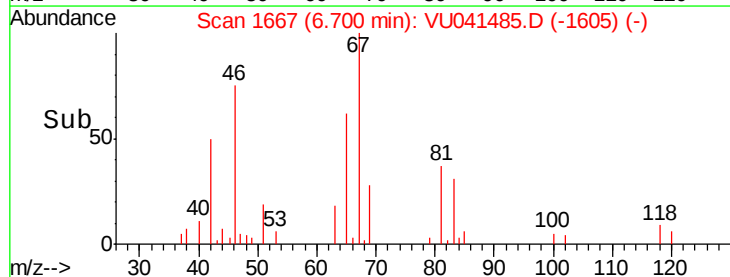
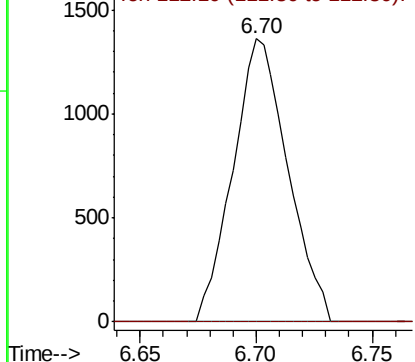


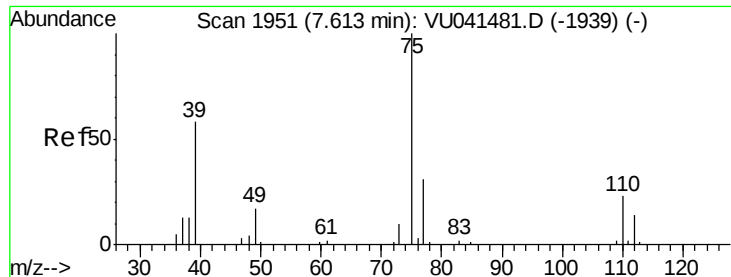
#37
1,2-Dichloropropane
Concen: 0.835 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

Tgt Ion: 63 Resp: 2239
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



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

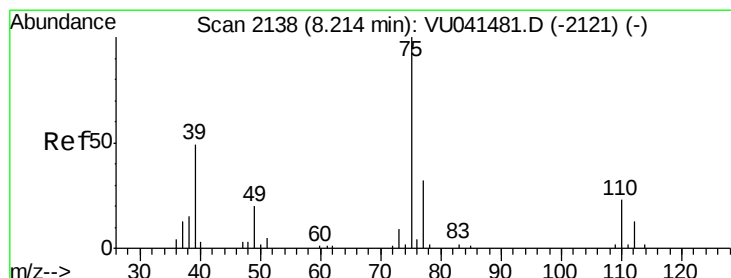
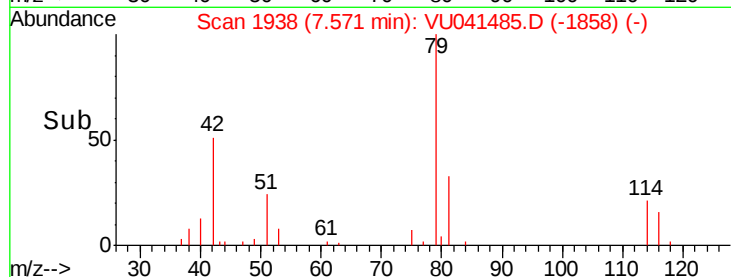
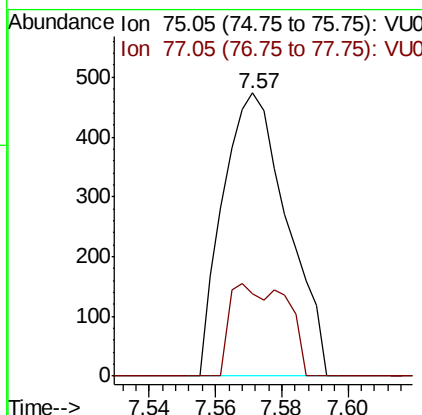
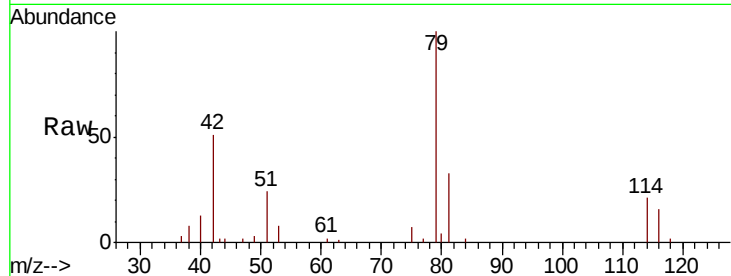




#39
 cis-1,3-Dichloropropene
 Concen: 0.132 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041485.D
 Acq: 07 Dec 2020 11:49

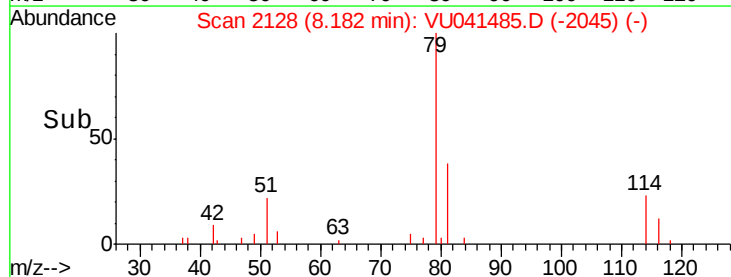
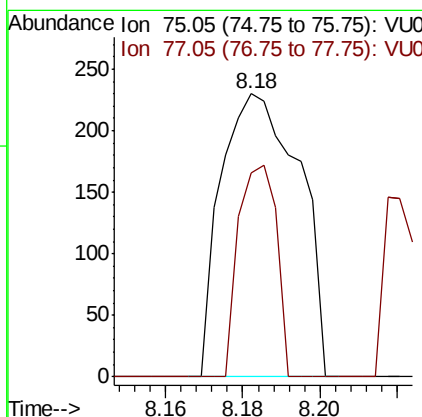
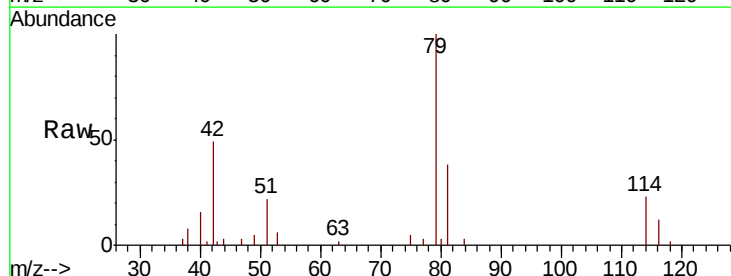
Instrument :
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 ClientSampled :
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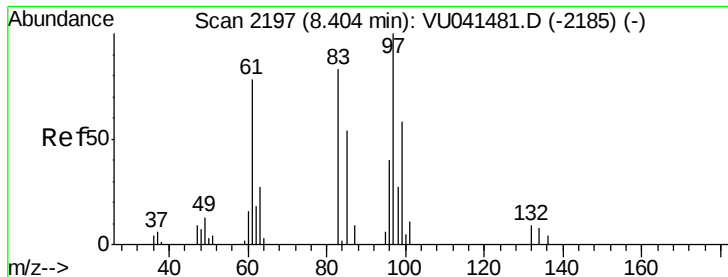
Tot Ion: 75 Resp: 637
 Ion Ratio Lower Upper
 75 100
 77 29.0 24.0 44.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.067 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041485.D
 Acq: 07 Dec 2020 11:49

Tgt Ion: 75 Resp: 324
 Ion Ratio Lower Upper
 75 100
 77 72.2 22.7 42.3#





#45

1,1,2-Trichloroethane

Concen: 0.072 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU041485.D

Acq: 07 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

C0AP9DL

Tot Ion: 97 Resp: 187

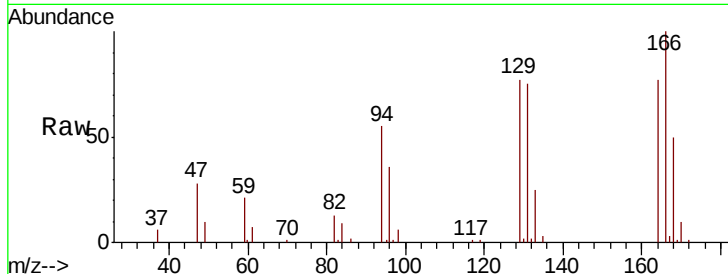
Ion Ratio Lower Upper

97 100

99 0.0 40.7 75.7#

83 153.0 56.2 104.4#

85 0.0 36.0 67.0#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

400

300

200

100

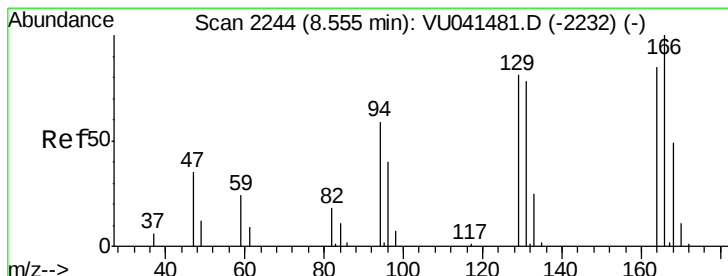
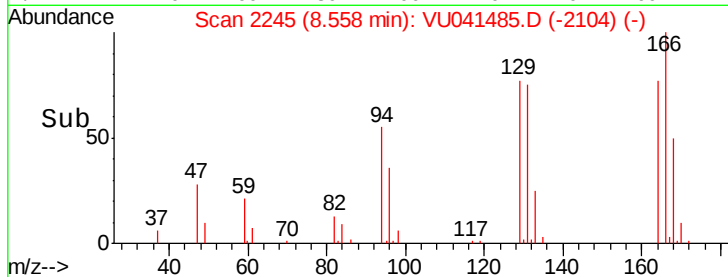
0

8.54

8.56

8.58

Time-->



#47

Tetrachloroethene

Concen: 10.268 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041485.D

Acq: 07 Dec 2020 11:49

Tgt Ion:164 Resp: 28006

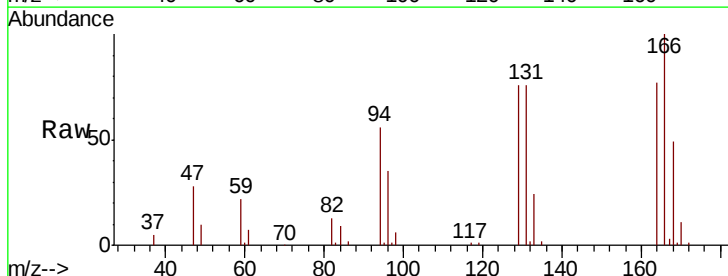
Ion Ratio Lower Upper

164 100

129 98.6 67.1 124.7

131 97.7 63.3 117.7

166 129.3 88.8 164.8



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

30000

25000

20000

15000

10000

5000

0

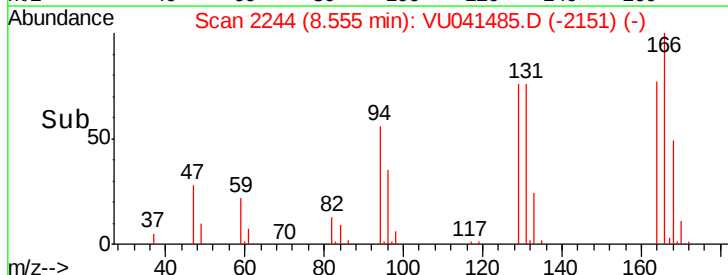
8.50

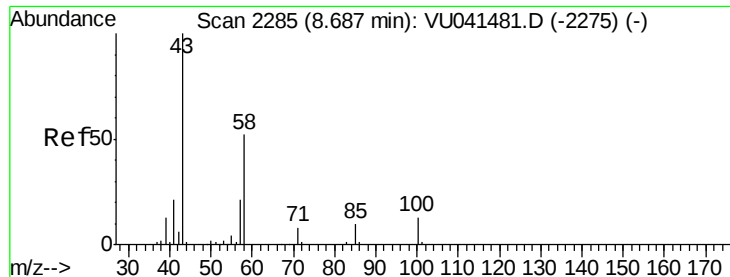
8.55

8.60

8.65

Time-->

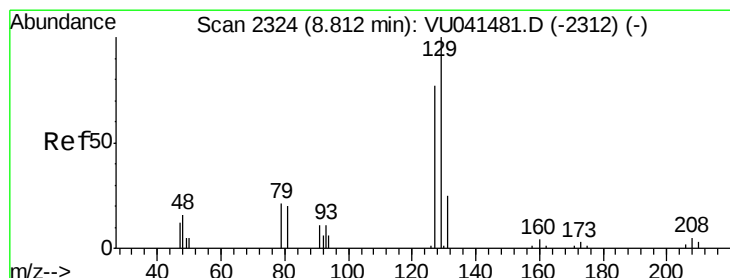
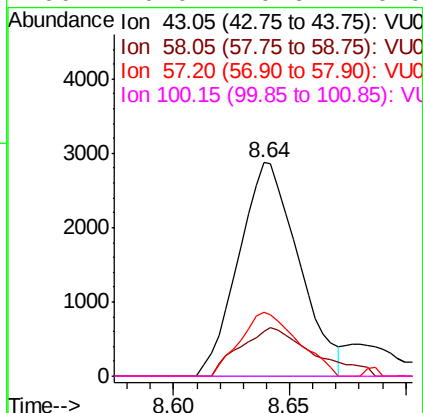
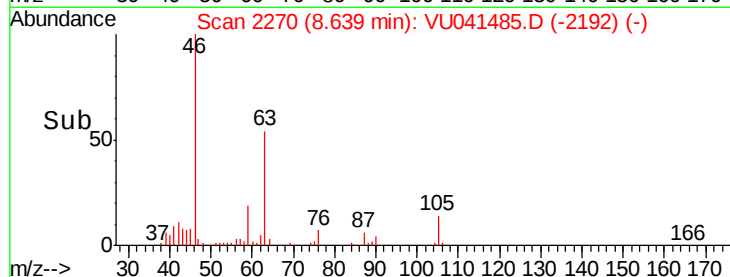
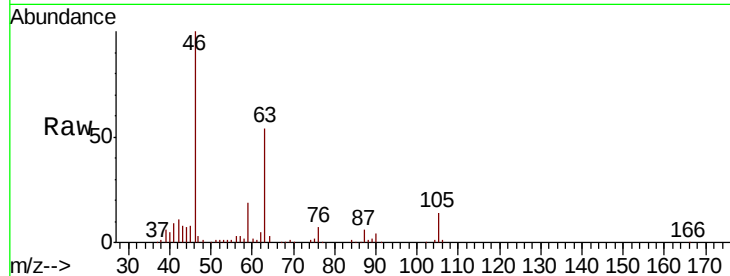




#48
2-Hexanone
Concen: 2.990 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

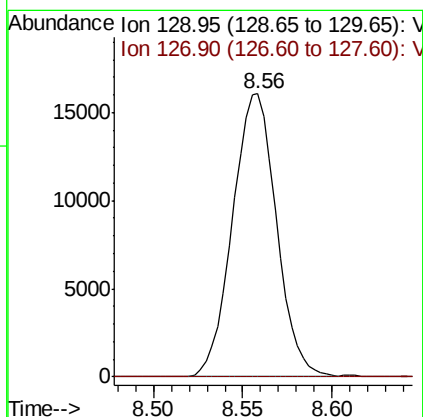
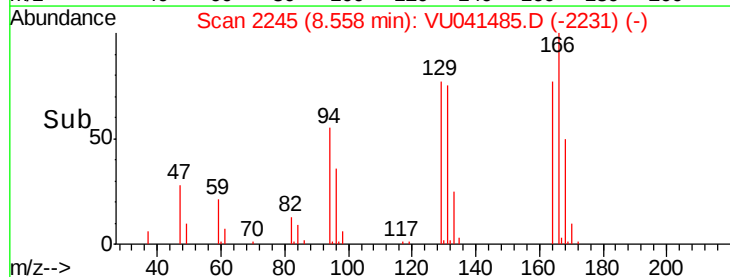
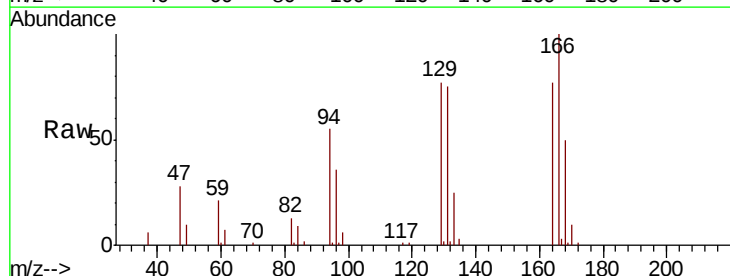
Instrument :
MSVOA_U
ClientSampleId :
C0AP9DL

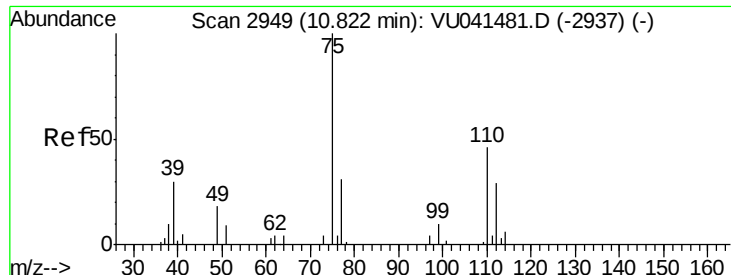
Tot Ion: 43 Resp: 5161
Ion Ratio Lower Upper
43 100
58 27.5 41.4 62.0#
57 28.9 17.1 25.7#
100 0.0 10.6 16.0#



#49
Dibromochloromethane
Concen: 7.818 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041485.D
Acq: 07 Dec 2020 11:49

Tgt Ion: 129 Resp: 27539
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.2#





#59

1,2,3-Trichloropropane

Concen: 0.934 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041485.D

Acq: 07 Dec 2020 11:49

Instrument :

MSVOA_U

ClientSampleId :

C0AP9DL

Tot Ion: 75 Resp: 2429

Ion Ratio Lower Upper

75 100

77 44.4 26.3 39.5#

