

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040964.D
 Acq On : 27 Oct 2020 00:20
 Operator : SY/MD
 Sample : L4493-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ0

Quant Time: Oct 27 05:33:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 05:24:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58043	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	61030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24641	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24951	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.92	69	20188	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.58	63	37574	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.66	46	86140	53.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.28%
24) Chloroform-d	5.08	84	45820	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	27534	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	82802	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.70	67	28295	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.91	98	65249	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.19	79	10713	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.64	63	67561	54.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24896	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	24718	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	260	0.060	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	218	0.053	ug/L #	1
13) Acetone	2.67	43	929	0.846	ug/L #	27
25) Chloroform	5.11	83	6297	0.754	ug/L	99
27) 1,2-Dichloroethane	5.75	62	496	0.080	ug/L #	74
29) 1,1,1-Trichloroethane	5.34	97	834	0.112	ug/L #	75
33) Benzene	5.74	78	698	0.038	ug/L	100
34) Trichloroethene	6.56	95	5686	1.225	ug/L	96
35) Methylcyclohexane	6.70	83	6663	0.963	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3110	0.630	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	801	0.118	ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	452	0.071	ug/L #	57
45) 1,1,2-Trichloroethane	8.58	97	88134	23.994	ug/L #	5
47) Tetrachloroethene	8.58	164	7401668	2169.014	ug/L	90
48) 2-Hexanone	8.64	43	8669	2.926	ug/L #	74
49) Dibromochloromethane	8.58	129	8390501	1966.960	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3444	0.936	ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration

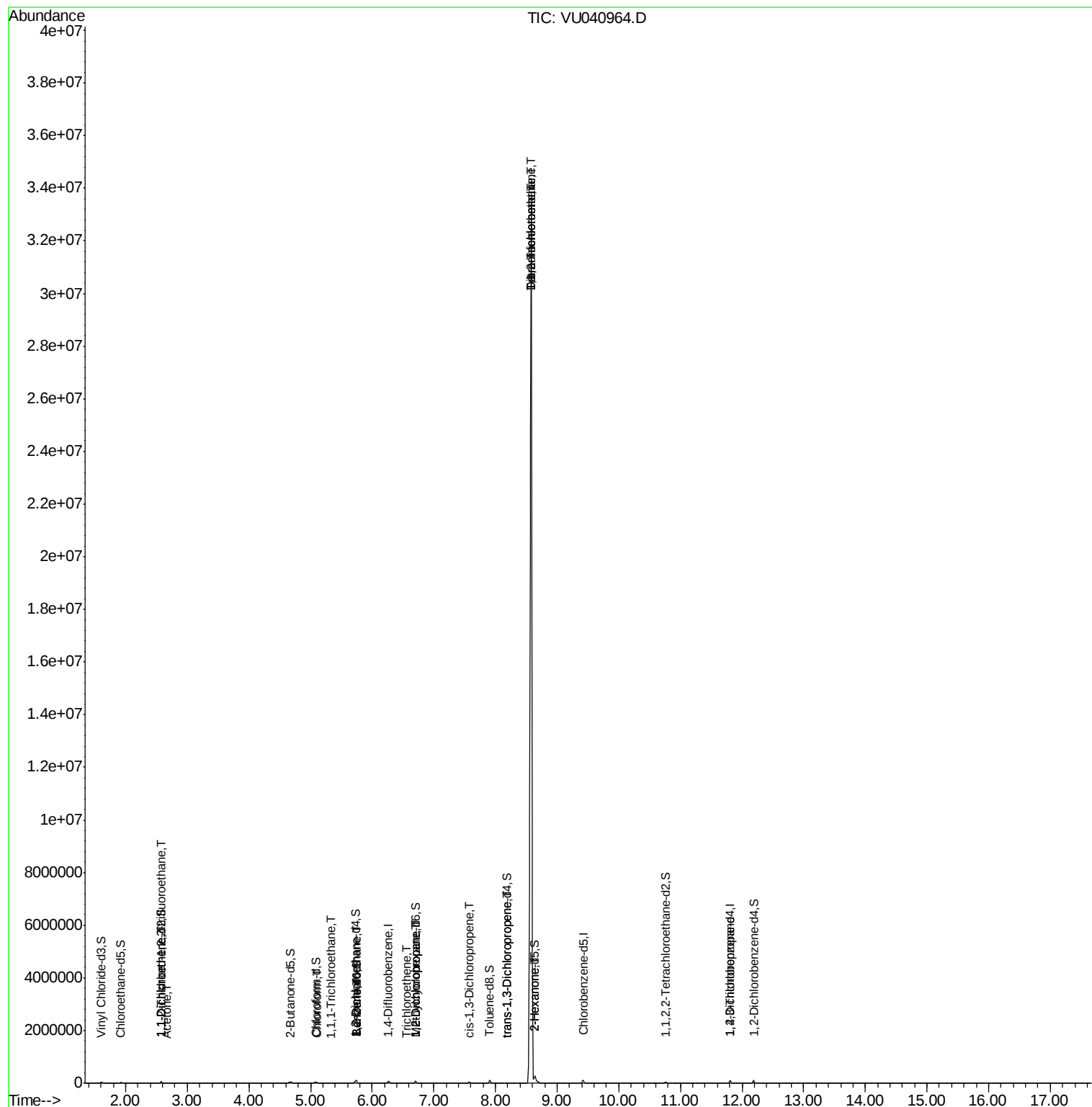
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

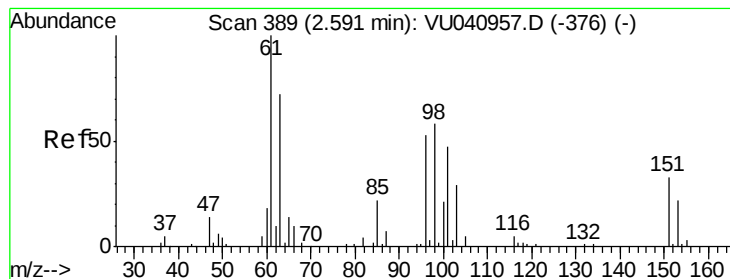
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration





#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040964.D

Acq: 27 Oct 2020 00:20

Instrument :

MSVOA_U

ClientSampleId :

C0AQ0

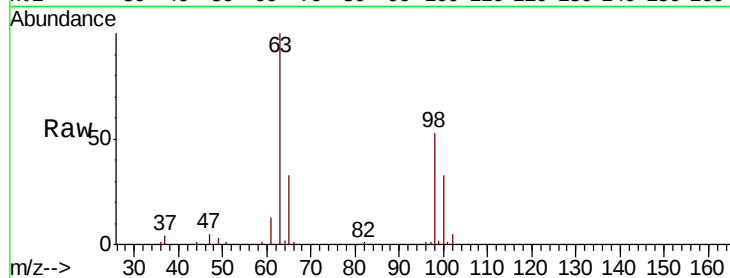
Tot Ion:101 Resp: 260

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

250

200

150

100

50

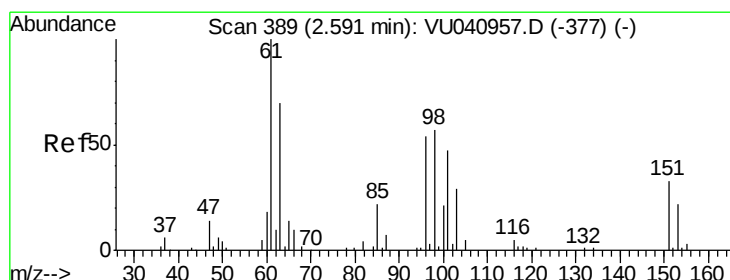
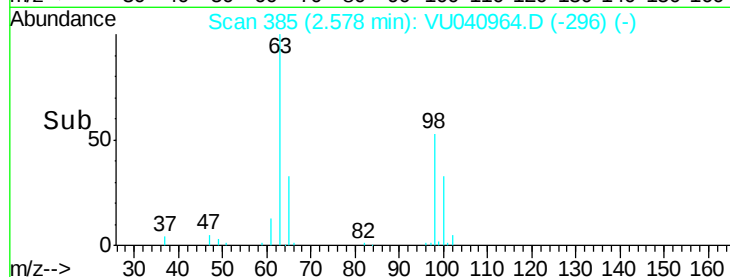
0

2.56

2.58

2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.053 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040964.D

Acq: 27 Oct 2020 00:20

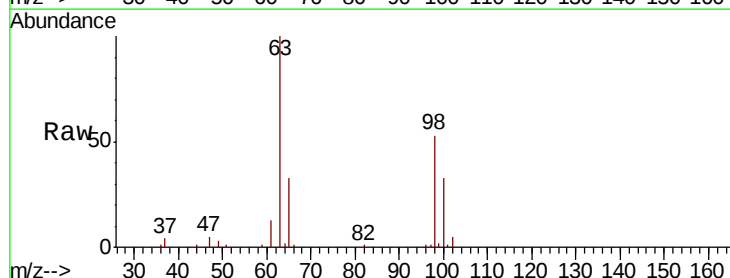
Tgt Ion: 96 Resp: 218

Ion Ratio Lower Upper

96 100

61 1498.1 134.3 249.5#

63 11138.2 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

30000

25000

20000

15000

10000

5000

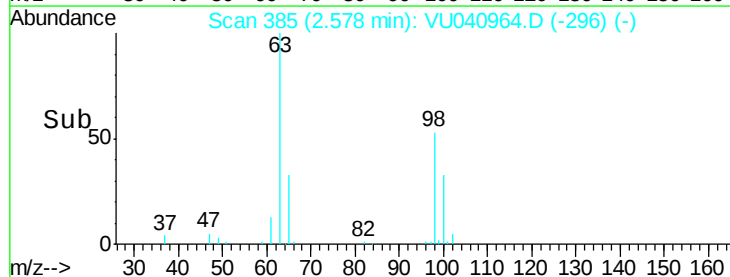
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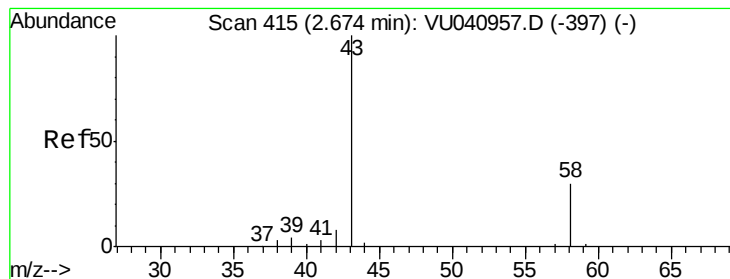
2.56

2.58

2.60

Time-->





#13

Acetone

Concen: 0.846 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU040964.D

Acq: 27 Oct 2020 00:20

Instrument :

MSVOA_U

ClientSampled :

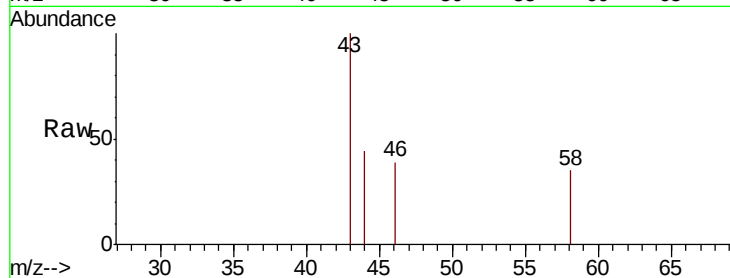
C0AQ0

Tot Ion: 43 Resp: 929

Ion Ratio Lower Upper

43 100

58 41.4 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU040957.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040957.D (-397) (-)

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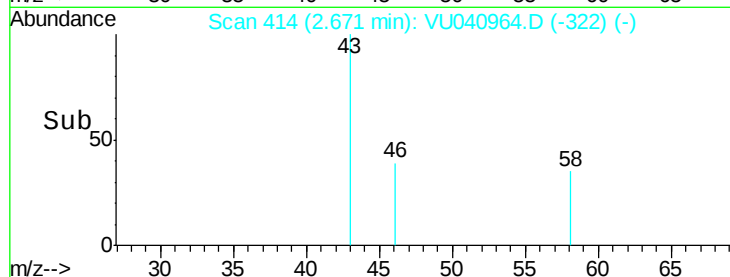
2.67

2.67

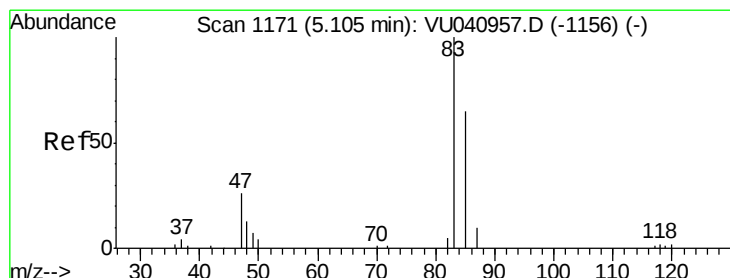
2.67

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2.67



Time-->



#25

Chloroform

Concen: 0.754 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040964.D

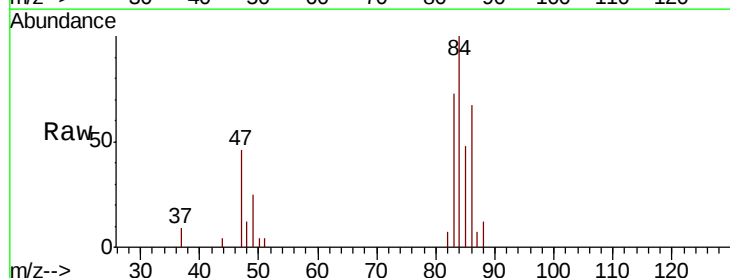
Acq: 27 Oct 2020 00:20

Tgt Ion: 83 Resp: 6297

Ion Ratio Lower Upper

83 100

85 66.5 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU040957.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU040957.D (-1156) (-)

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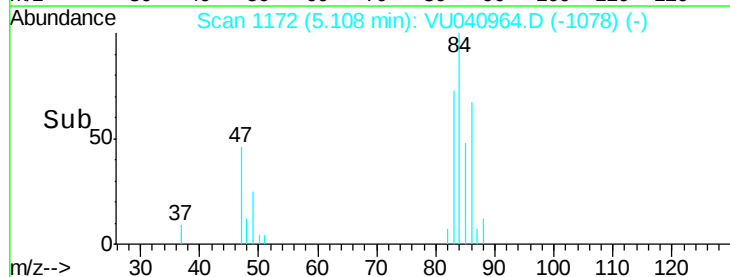
5.11

5.11

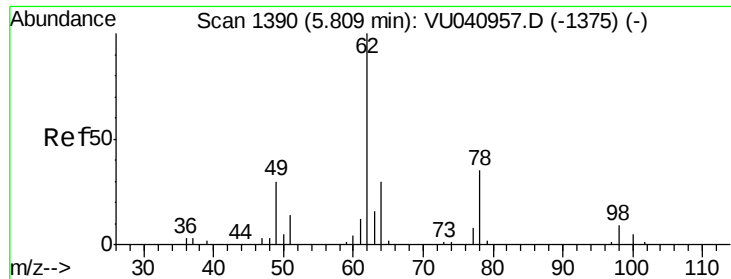
5.11

5.11

5.11



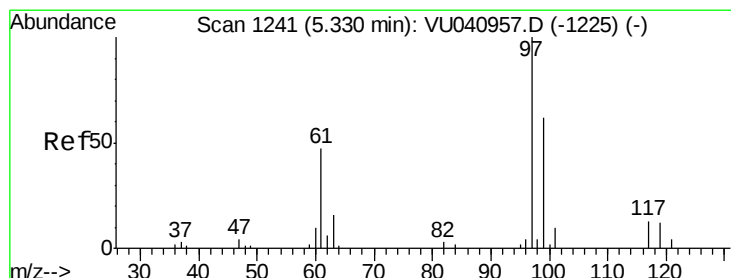
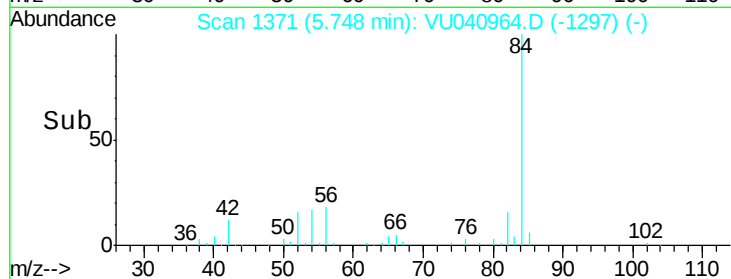
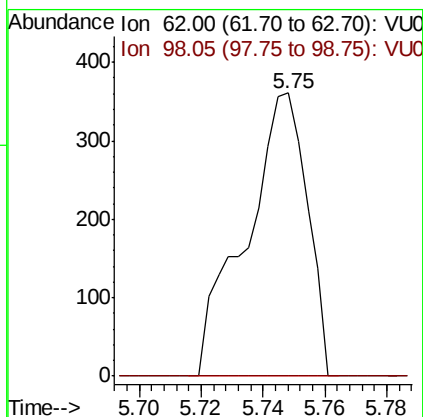
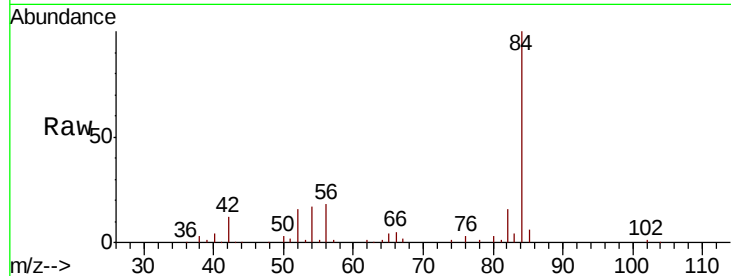
Time-->



#27
 1,2-Dichloroethane
 Concen: 0.080 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU040964.D
 Acq: 27 Oct 2020 00:20

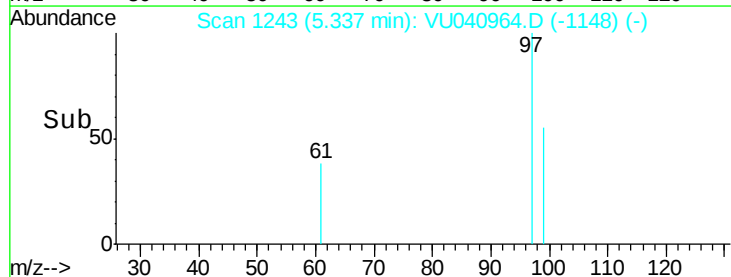
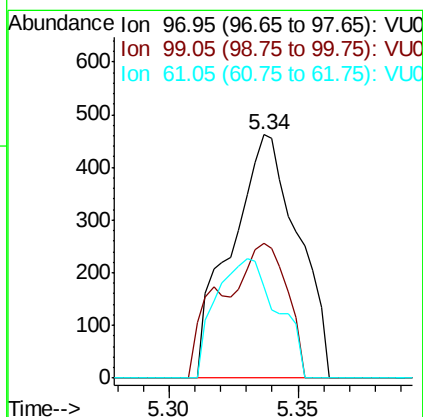
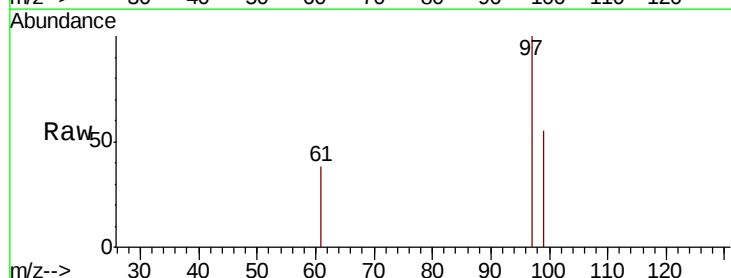
Instrument :
 MSVOA_U
 ClientSampled :
 C0AQ0

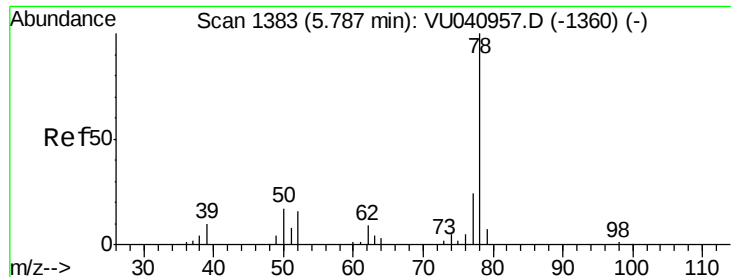
Tot Ion: 62.00 Resp: 496
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.112 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU040964.D
 Acq: 27 Oct 2020 00:20

Tgt Ion: 97 Resp: 834
 Ion Ratio Lower Upper
 97 100
 99 37.2 53.4 80.0#
 61 45.1 41.6 62.4





#33

Benzene

Concen: 0.038 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.05 min

Lab File: VU040964.D

Acq: 27 Oct 2020 00:20

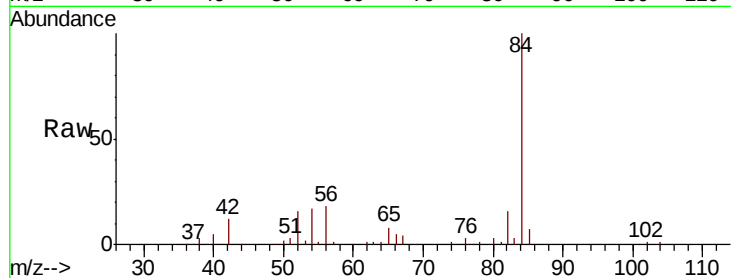
Instrument :

MSVOA_U

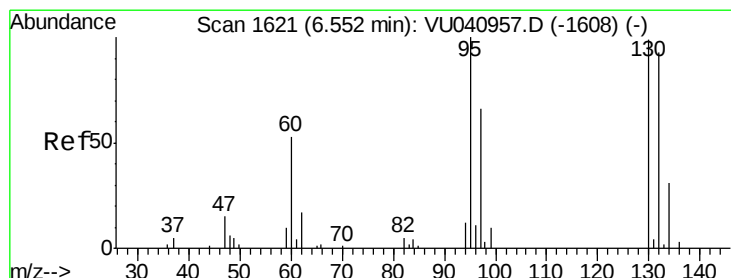
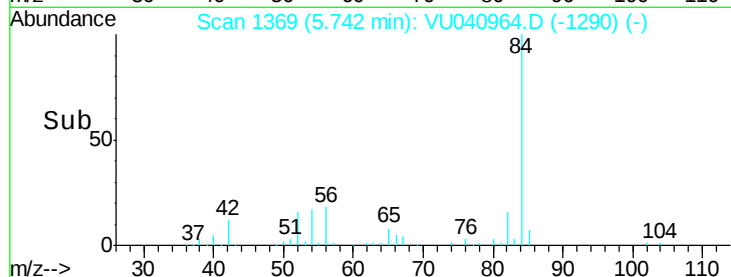
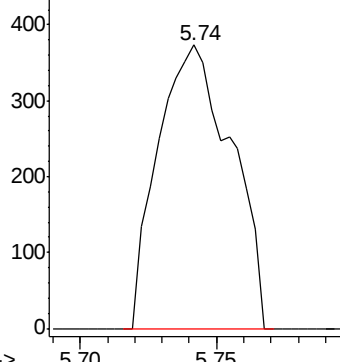
ClientSampleId :

C0AQ0

Tgt Ion: 78 Resp: 698



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1.225 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040964.D

Acq: 27 Oct 2020 00:20

Tgt Ion: 95 Resp: 5686

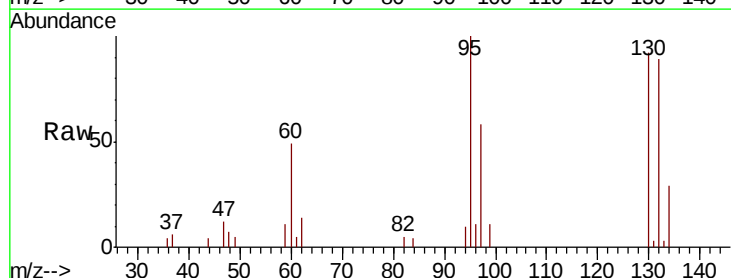
Ion Ratio Lower Upper

95 100

97 57.7 45.6 84.6

132 88.6 64.8 120.4

130 92.4 64.8 120.4



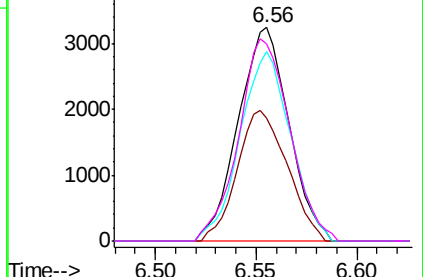
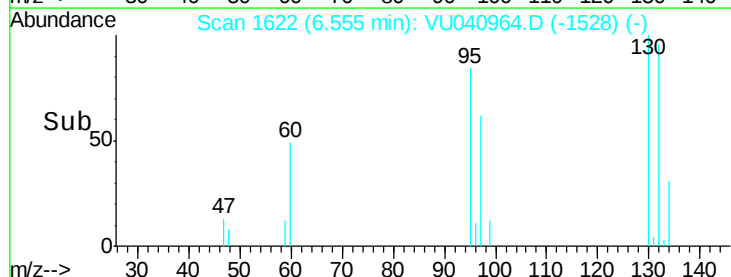
Abundance Ion 95.00 (94.70 to 95.70): VU0

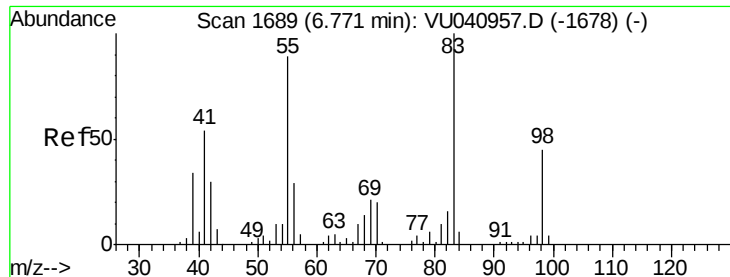
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->

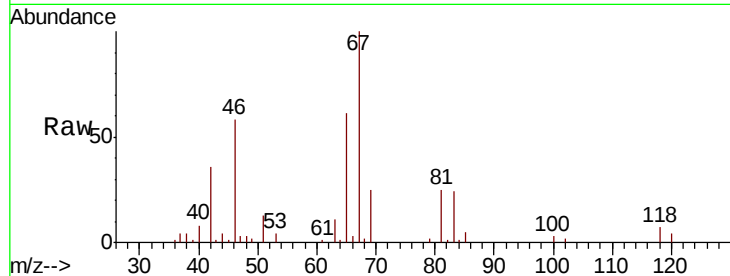




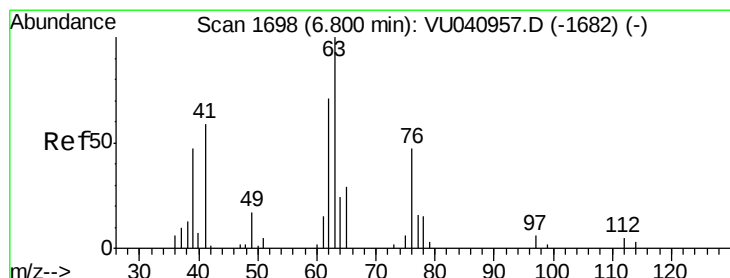
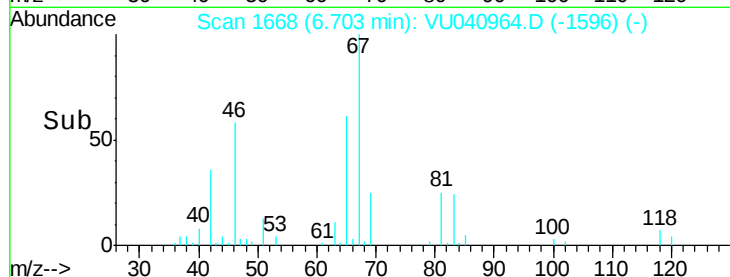
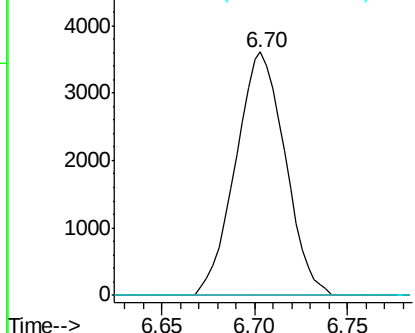
#35
Methvlcvclohexane
Concen: 0.963 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040964.D
Acq: 27 Oct 2020 00:20

Instrument :
MSVOA_U
ClientSampleId :
C0AQ0

Tot Ion: 83 Resp: 6663
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

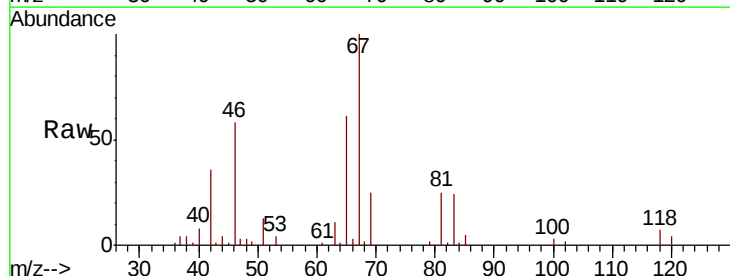


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

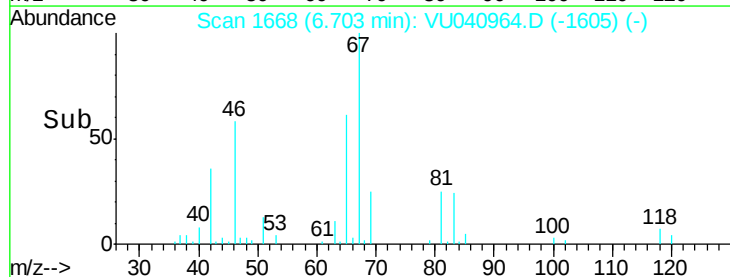
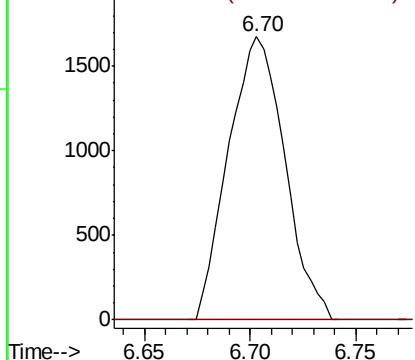


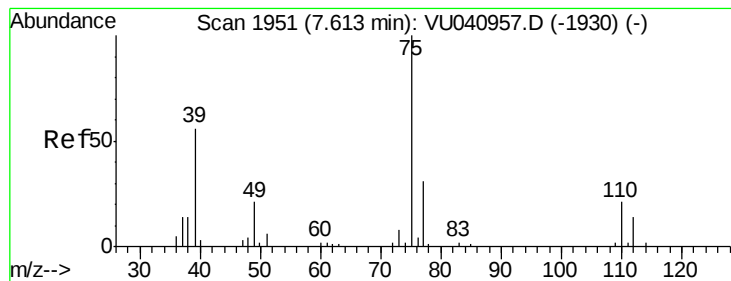
#37
1,2-Dichloropropane
Concen: 0.630 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040964.D
Acq: 27 Oct 2020 00:20

Tgt Ion: 63 Resp: 3110
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



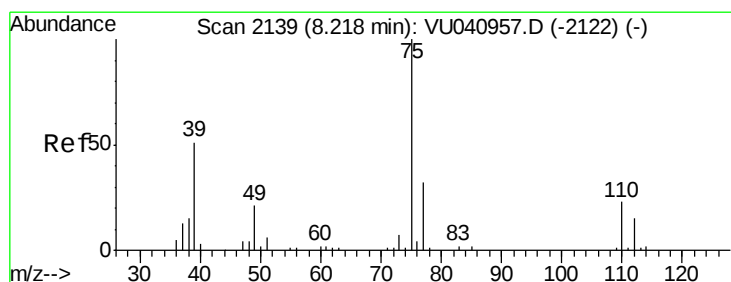
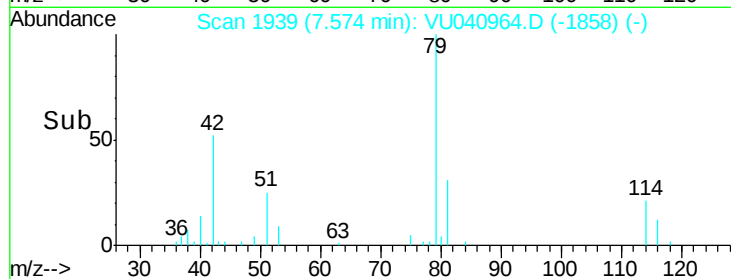
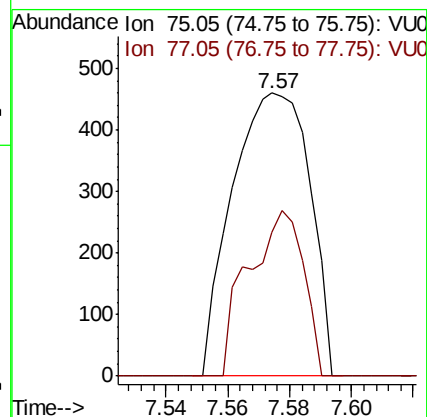
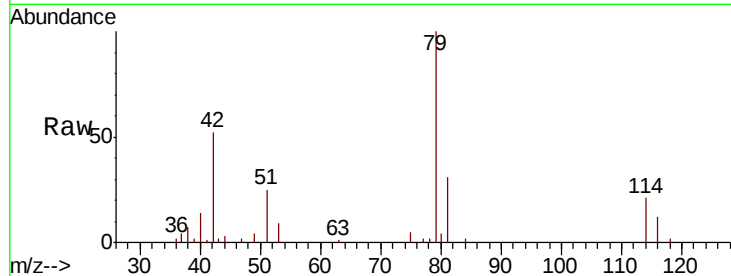


#39

cis-1,3-Dichloropropene
Concen: 0.118 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040964.D
Acq: 27 Oct 2020 00:20

Instrument :
MSVOA_U
ClientSampleId :
C0AQ0

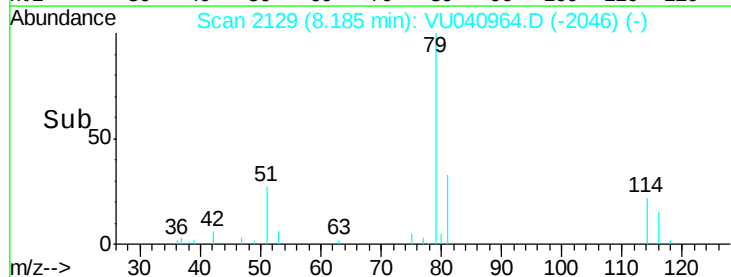
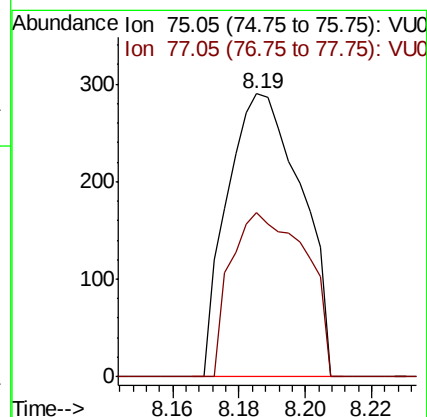
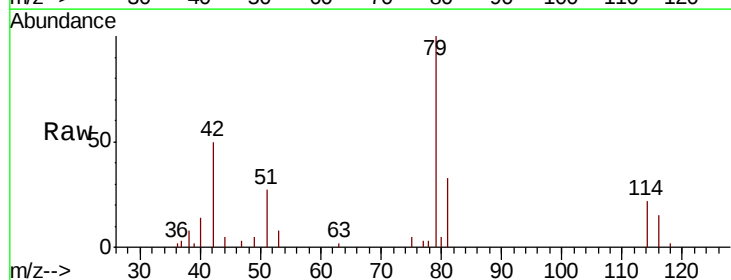
Tot Ion: 75 Resp: 801
Ion Ratio Lower Upper
75 100
77 50.7 22.7 42.3#

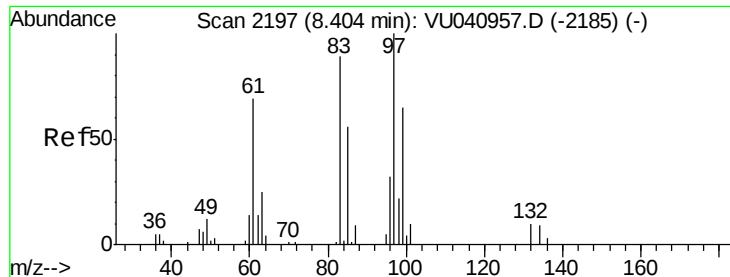


#44

trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040964.D
Acq: 27 Oct 2020 00:20

Tgt Ion: 75 Resp: 452
Ion Ratio Lower Upper
75 100
77 57.9 23.3 43.3#

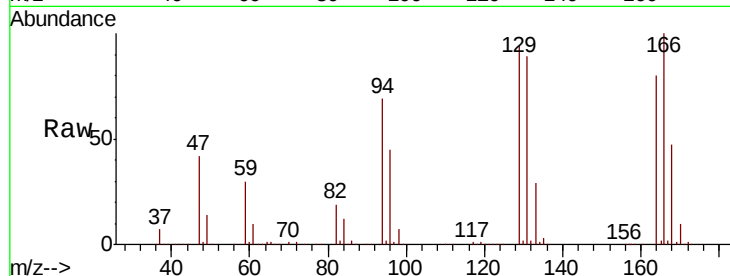




#45
1,1,2-Trichloroethane
Concen: 23.994 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.17 min
Lab File: VU040964.D
Acq: 27 Oct 2020 00:20

Instrument :
MSVOA_U
ClientSampleId :
C0AQ0

Tot Ion	97	Resp	88134
Ion Ratio	100		
Lower			
Upper			
99	14.9	45.8	85.2#
83	249.9	67.9	126.1#
85	36.3	42.8	79.6#



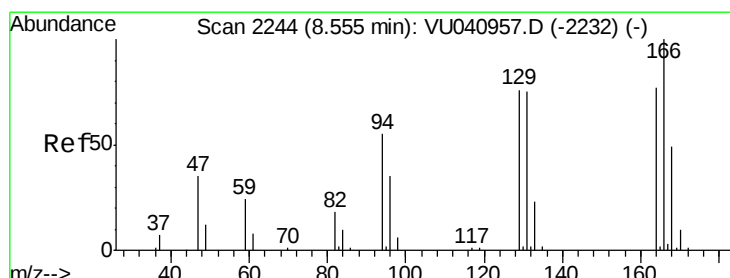
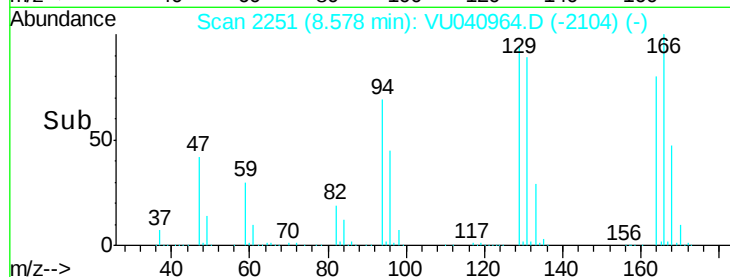
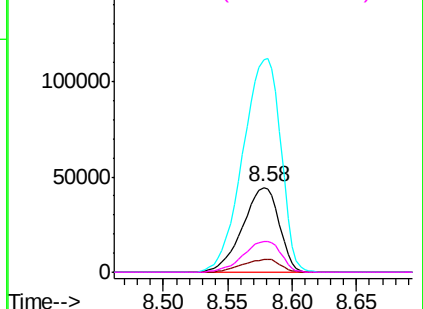
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

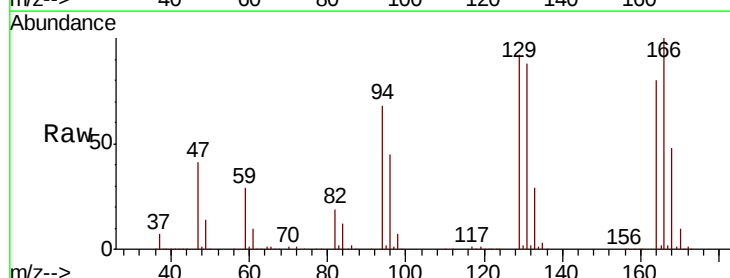
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 2169.014 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.03 min
Lab File: VU040964.D
Acq: 27 Oct 2020 00:20

Tgt Ion	164	Resp	7401668
Ion Ratio	100		
Lower			
Upper			
129	116.2	70.3	130.7
131	111.0	70.8	131.4
166	125.6	92.0	170.8



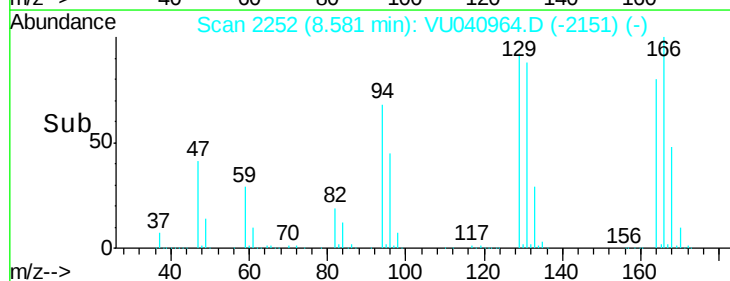
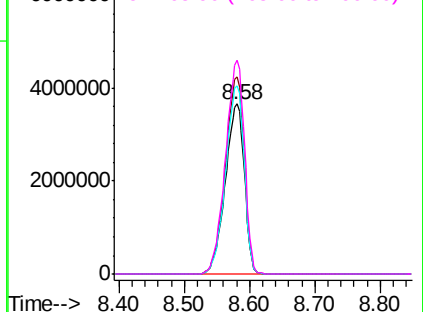
Abundance

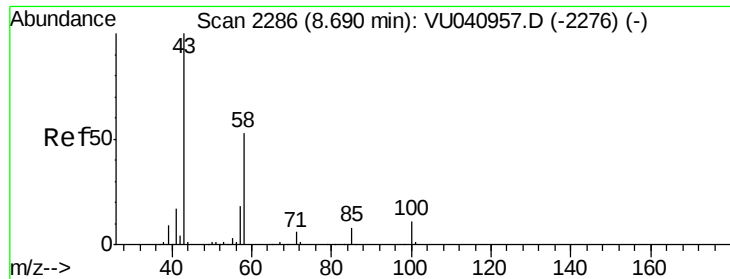
Ion 163.90 (163.60 to 164.60): V

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

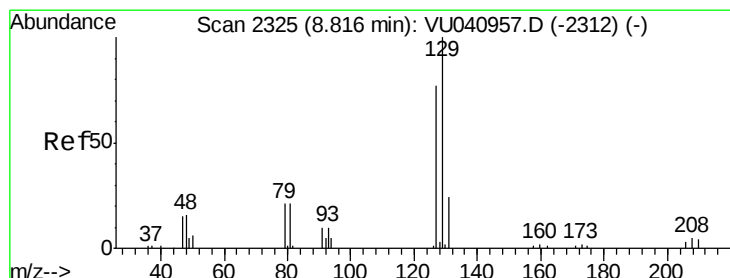
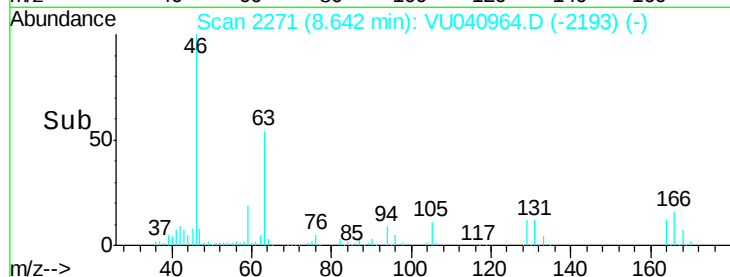
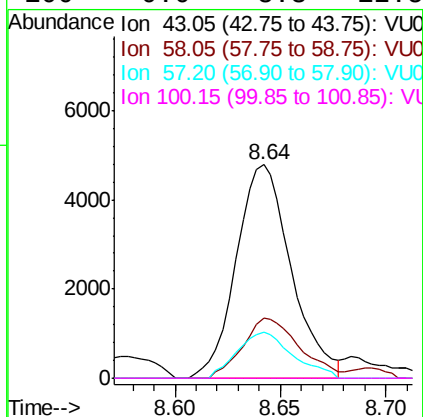
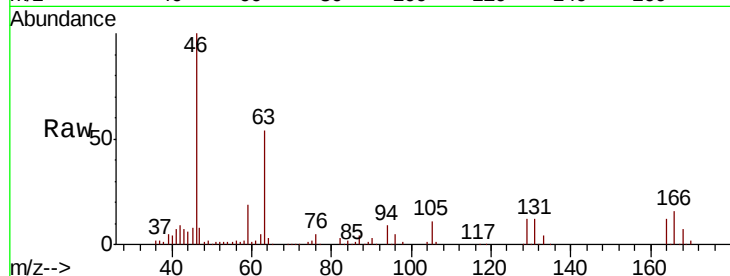




#48
 2-Hexanone
 Concen: 2.926 ug/L
 RT: 8.64 min Scan# 2271
 Delta R.T. -0.05 min
 Lab File: VU040964.D
 Acq: 27 Oct 2020 00:20

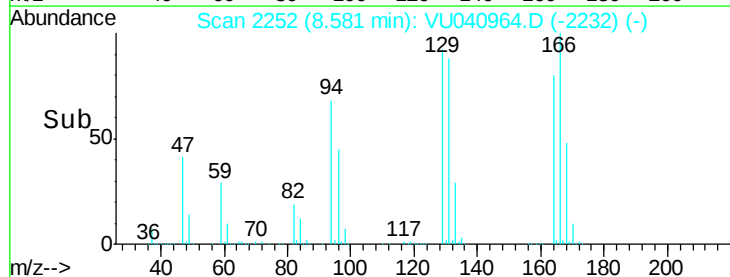
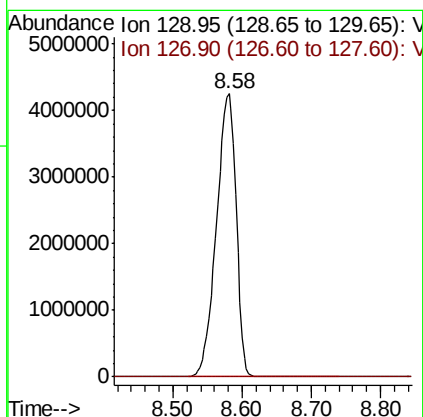
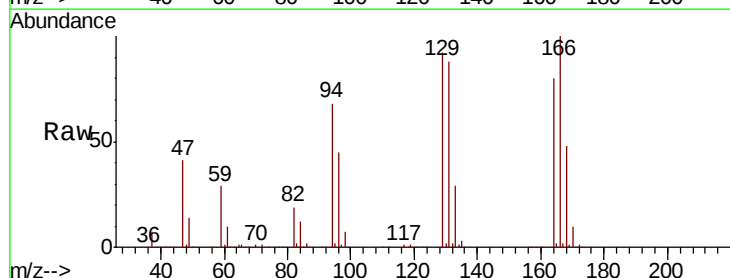
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ0

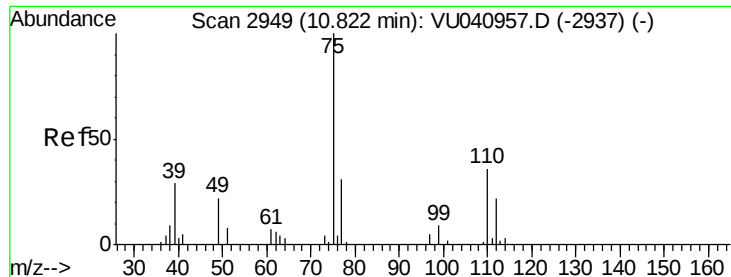
Tot Ion: 43 Resp: 8669
 Ion Ratio Lower Upper
 43 100
 58 29.3 41.4 62.2#
 57 21.9 14.6 21.8#
 100 0.0 8.3 12.5#



#49
 Dibromochloromethane
 Concen: 1966.960 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.23 min
 Lab File: VU040964.D
 Acq: 27 Oct 2020 00:20

Tgt Ion: 129 Resp: 8390501
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.936 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040964.D

Acq: 27 Oct 2020 00:20

Instrument :

MSVOA_U

ClientSampleId :

C0AQ0

Tot Ion: 75 Resp: 3444

Ion Ratio Lower Upper

75 100

77 35.8 25.7 38.5

