

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041700.D
 Acq On : 21 Dec 2020 14:49
 Operator : SY/MD
 Sample : L5148-02MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2MS

Quant Time: Dec 22 02:51:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	133586	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131691	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	67067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45910	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.92	69	42859	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.58	63	88630	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.67	46	198795	66.27	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.54%#
24) Chloroform-d	5.08	84	92879	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	59647	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.74	84	195789	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	58407	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.91	98	153519	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	24845	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	185012	63.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56917	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	61413	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	572	0.062 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	45167	4.984 ug/L	93
25) Chloroform	5.09	83	993	0.056 ug/L #	72
27) 1,2-Dichloroethane	5.79	62	1969	0.165 ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	1999	0.132 ug/L	95
31) Carbon tetrachloride	5.54	117	1394	0.107 ug/L	93
33) Benzene	5.79	78	225400	5.352 ug/L	100
34) Trichloroethene	6.55	95	52836	4.992 ug/L	98
35) Methylcyclohexane	6.70	83	13974	0.817 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6357	0.590 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1687	0.106 ug/L #	75
42) Toluene	7.98	91	215484	4.956 ug/L	100
44) trans-1,3-Dichloropropene	8.18	75	950	0.067 ug/L #	64
45) 1,1,2-Trichloroethane	8.57	97	121334	15.230 ug/L #	1
47) Tetrachloroethene	8.57	164	14351648	1937.141 ug/L	90
48) 2-Hexanone	8.64	43	21096	3.781 ug/L #	64
49) Dibromochloromethane	8.57	129	14191730	1550.848 ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041700.D
Acq On : 21 Dec 2020 14:49
Operator : SY/MD
Sample : L5148-02MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

Quant Time: Dec 22 02:51:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration

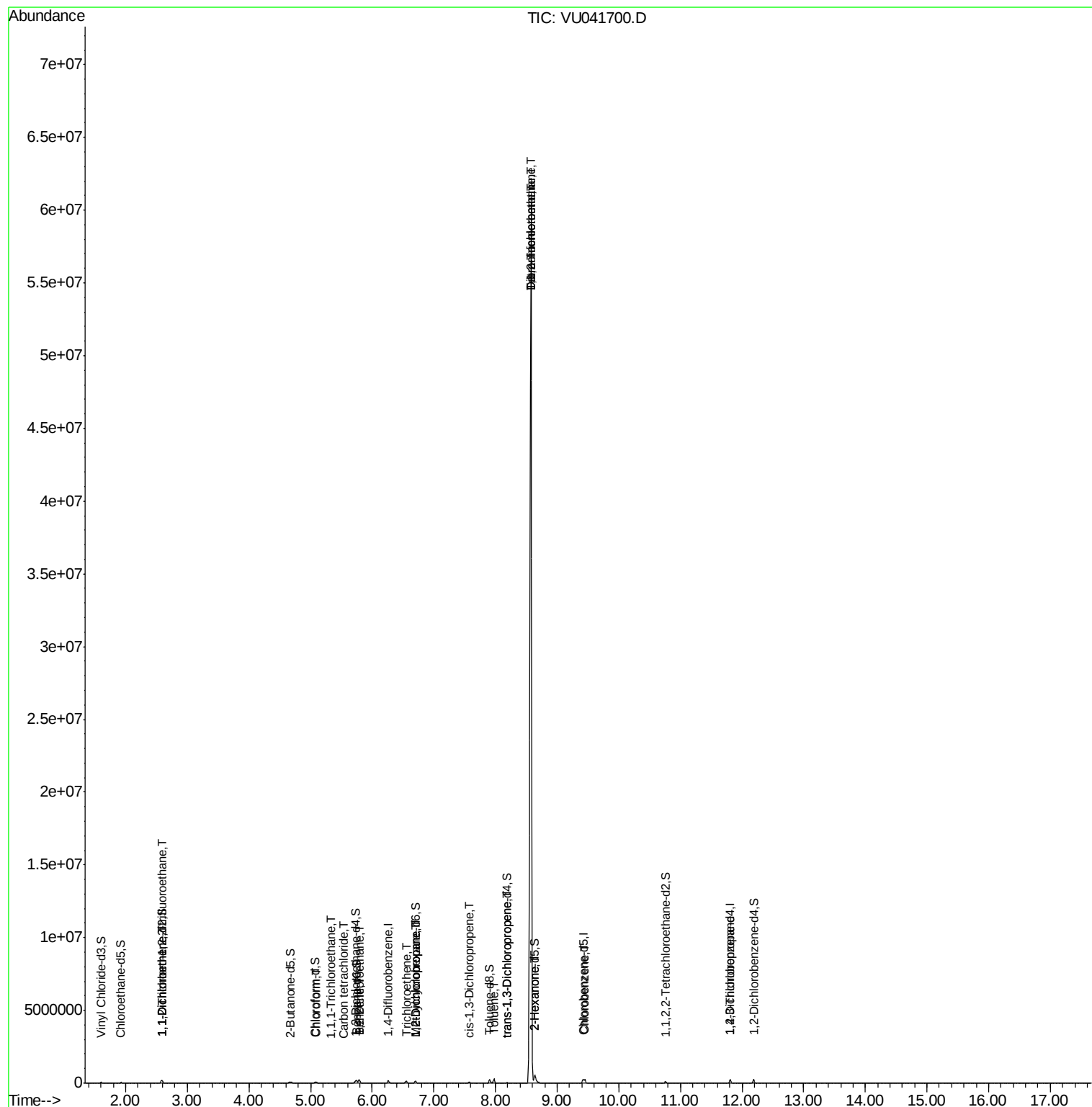
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.45	112	142702	5.280	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	7734	0.956	ug/L	95

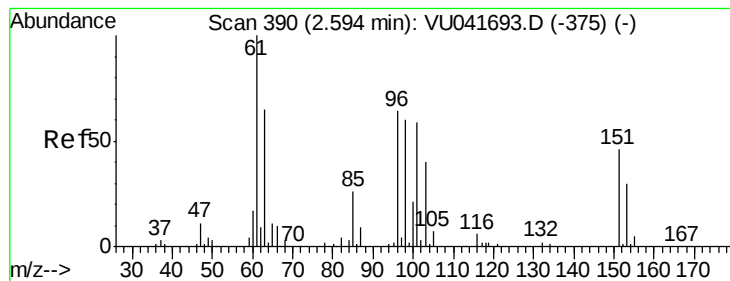
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041700.D
Acq On : 21 Dec 2020 14:49
Operator : SY/MD
Sample : L5148-02MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

Quant Time: Dec 22 02:51:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration





#10

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

Concen: 0.062 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041700.D

Acq: 21 Dec 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

GB1T2MS

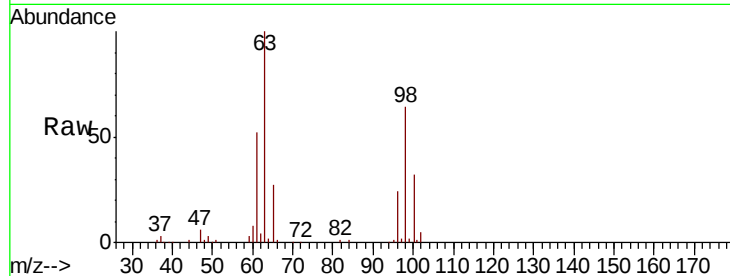
Tot Ion:101 Resp: 572

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

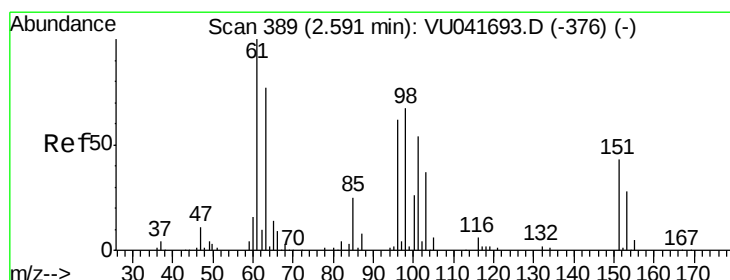
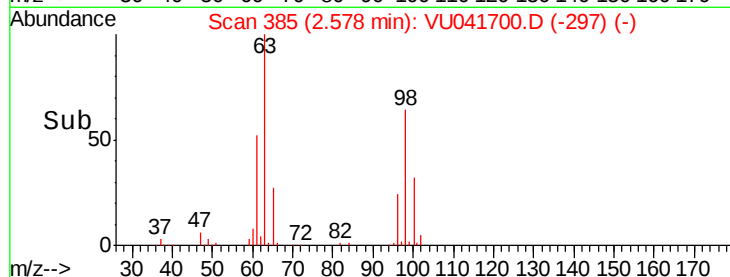
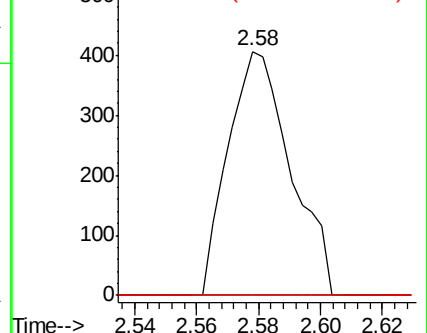
151 0.0 56.2 84.4#



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



#12

1,1-Dichloroethene

Concen: 4.984 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041700.D

Acq: 21 Dec 2020 14:49

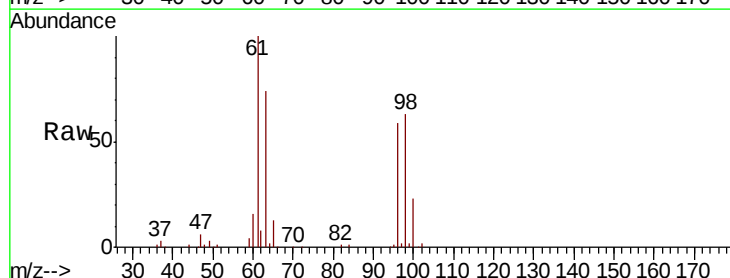
Tgt Ion: 96 Resp: 45167

Ion Ratio Lower Upper

96 100

61 168.3 123.8 230.0

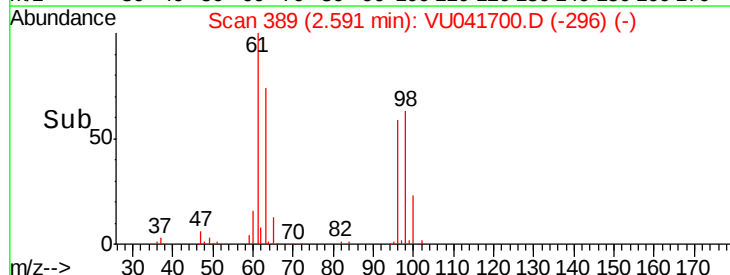
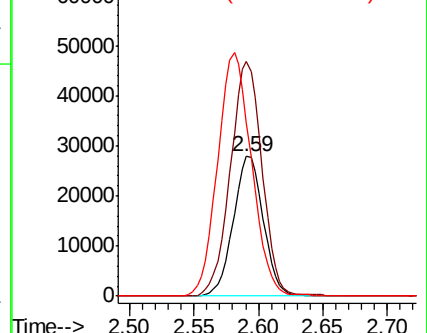
63 123.8 81.0 150.4

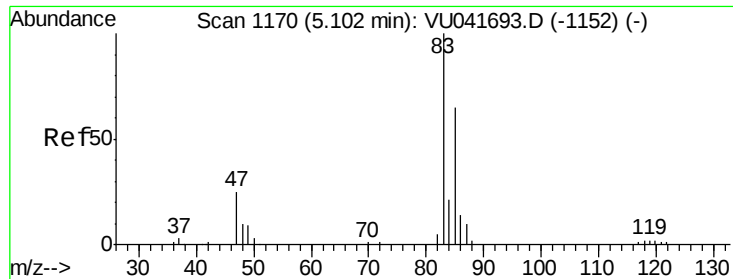


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

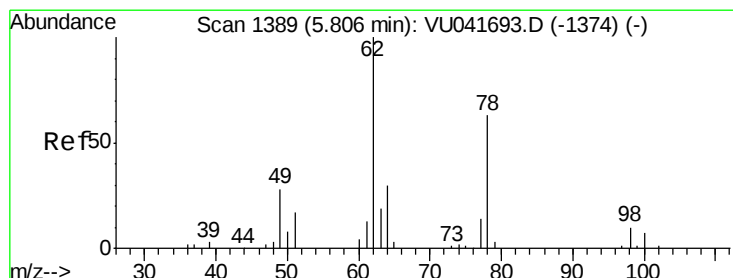
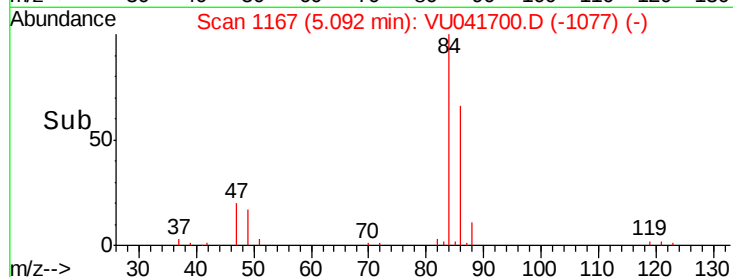
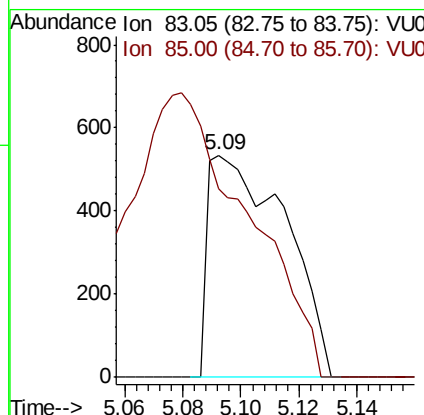
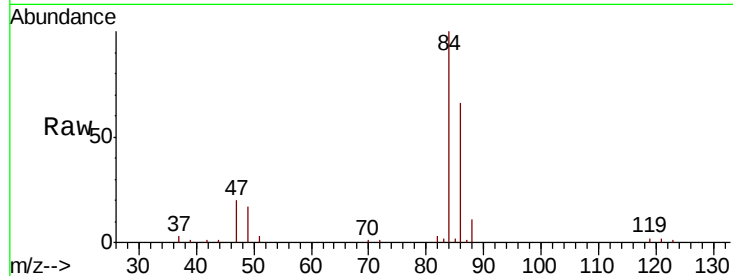




#25
Chloroform
Concen: 0.056 ug/L
RT: 5.09 min Scan# 1167
Delta R.T. -0.01 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

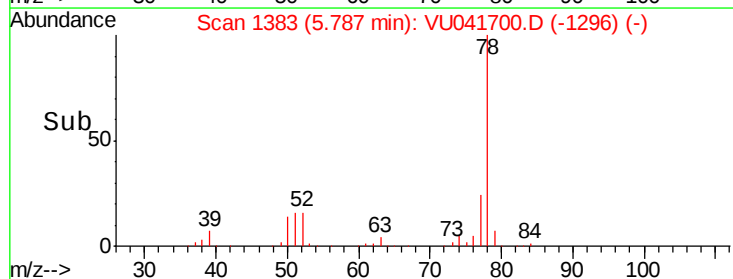
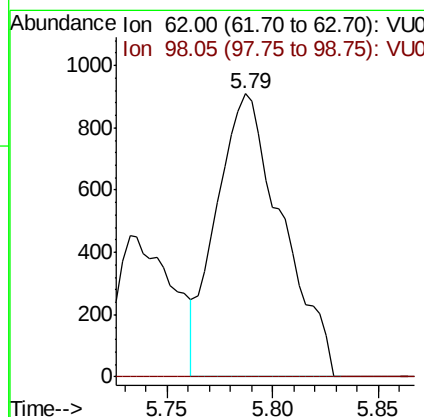
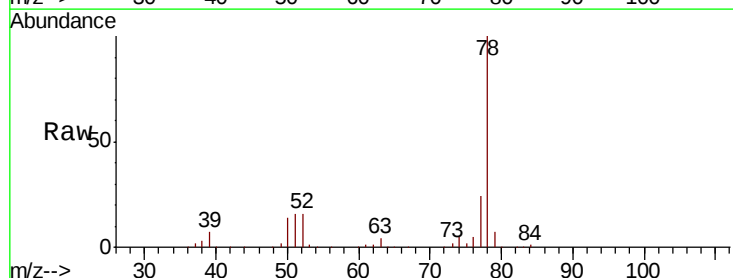
Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

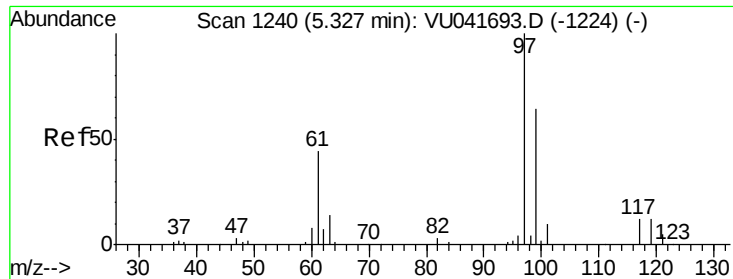
Tot Ion: 83 Resp: 993
Ion Ratio Lower Upper
83 100
85 84.8 44.2 82.0#



#27
1,2-Dichloroethane
Concen: 0.165 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.02 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Tgt Ion: 62 Resp: 1969
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

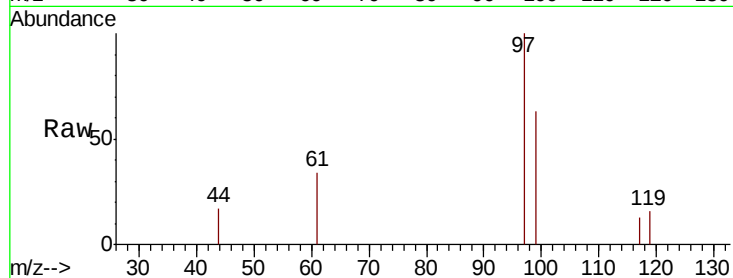




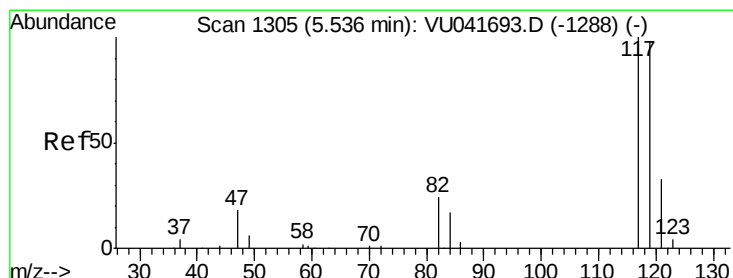
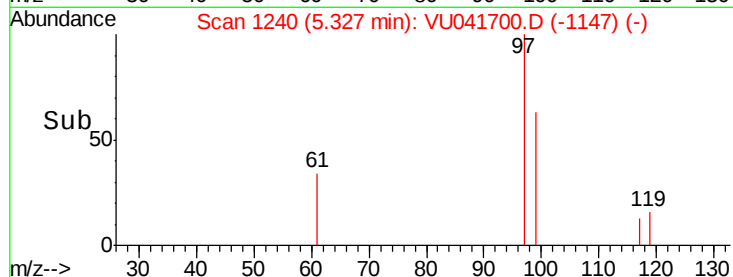
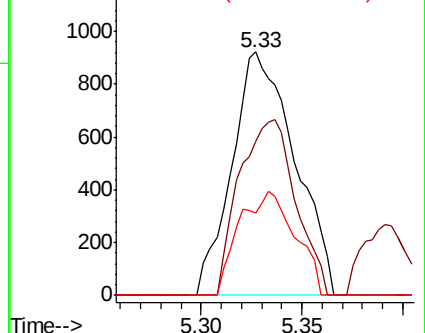
#29
 1,1,1-Trichloroethane
 Concen: 0.132 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041700.D
 Acq: 21 Dec 2020 14:49

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2MS

Tot Ion: 97 Resp: 1999
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.3 76.9
 61 38.0 36.5 54.7

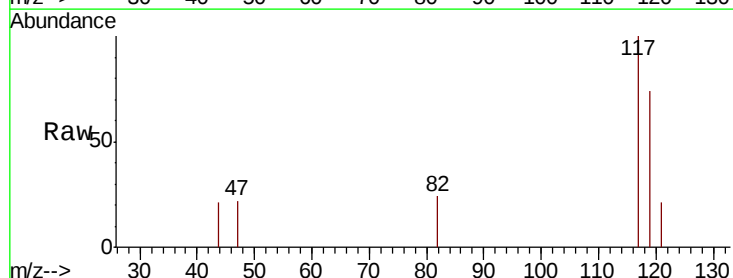


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

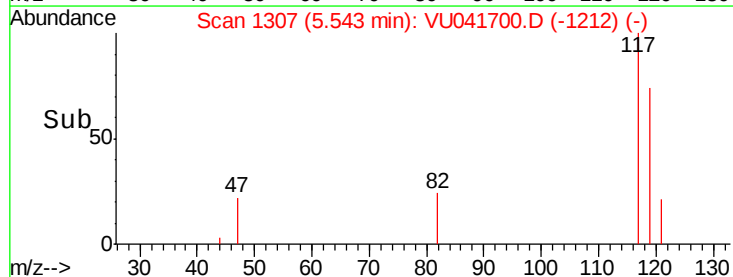
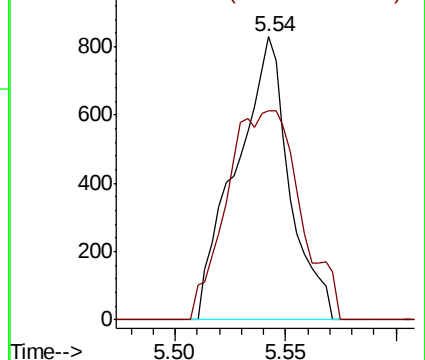


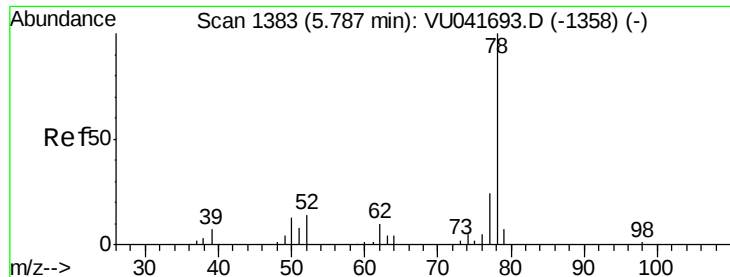
#31
 Carbon tetrachloride
 Concen: 0.107 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VU041700.D
 Acq: 21 Dec 2020 14:49

Tgt Ion: 117 Resp: 1394
 Ion Ratio Lower Upper
 117 100
 119 102.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

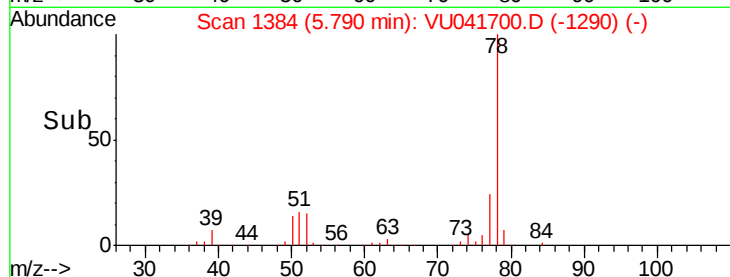
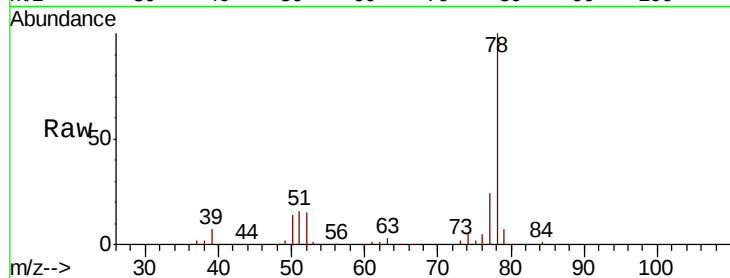




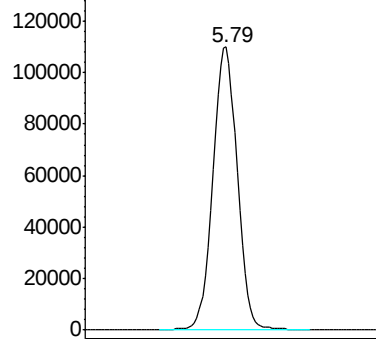
#33
Benzene
Concen: 5.352 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

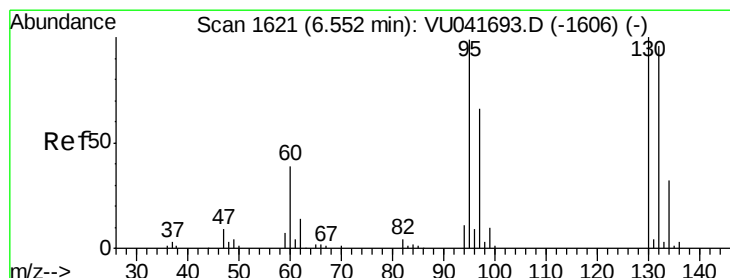
Tgt Ion: 78 Resp: 225400



Abundance Ion 78.10 (77.80 to 78.80): VU0



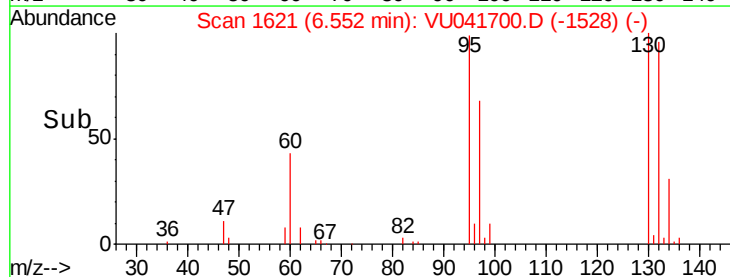
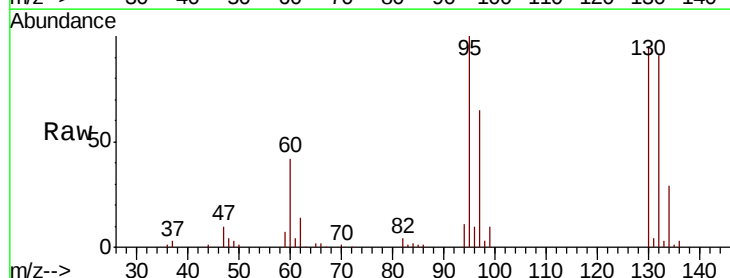
Time-->



#34
Trichloroethene
Concen: 4.992 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Tgt Ion: 95 Resp: 52836

Ion	Ratio	Lower	Upper
95	100		
97	64.5	43.9	81.5
132	91.4	63.1	117.3
130	94.8	67.4	125.2

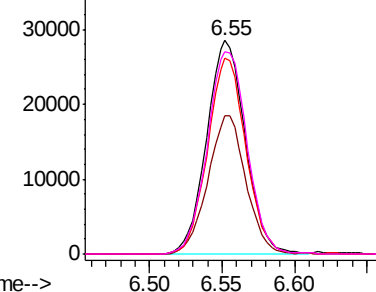


Abundance Ion 95.00 (94.70 to 95.70): VU0

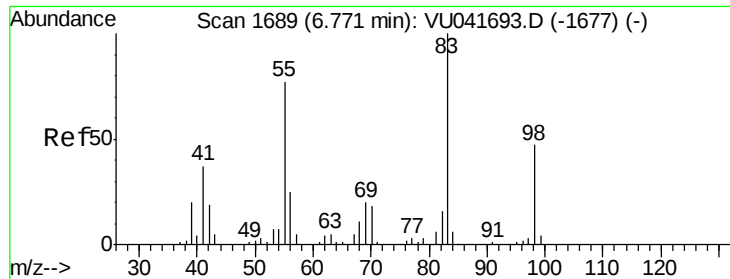
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



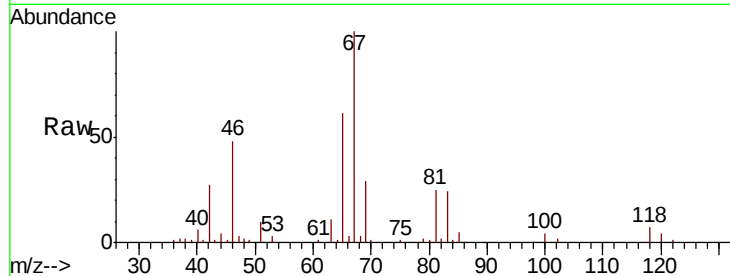
Time-->



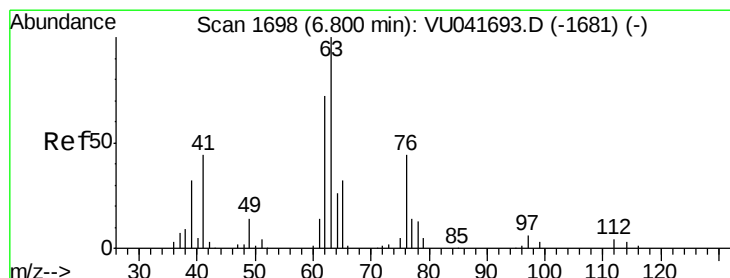
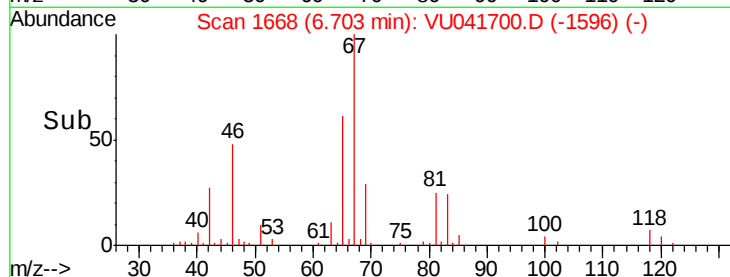
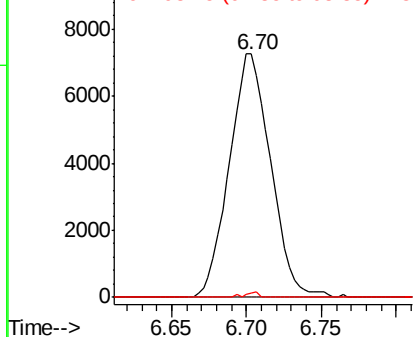
#35
Methvlcvclohexane
Concen: 0.817 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

Tot Ion: 83 Resp: 13974
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.7 36.6 54.8#

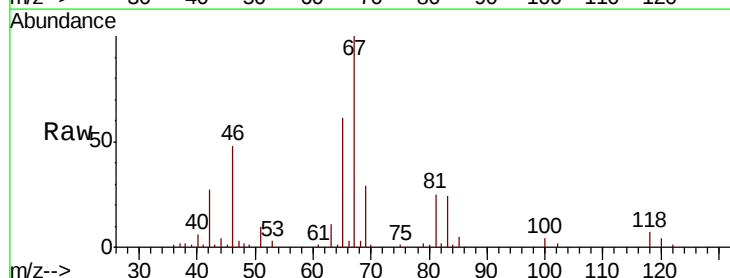


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

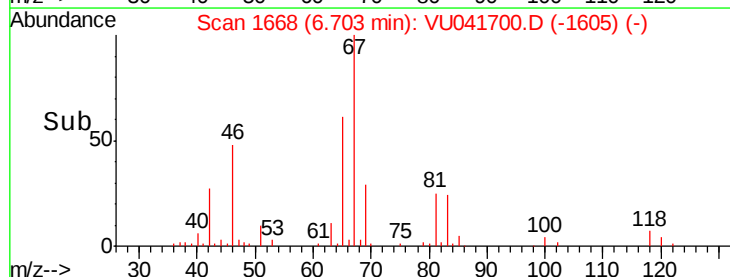
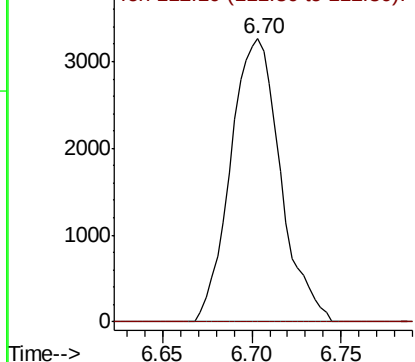


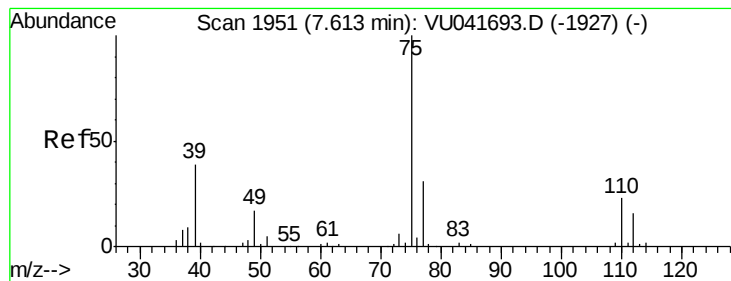
#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Tgt Ion: 63 Resp: 6357
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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



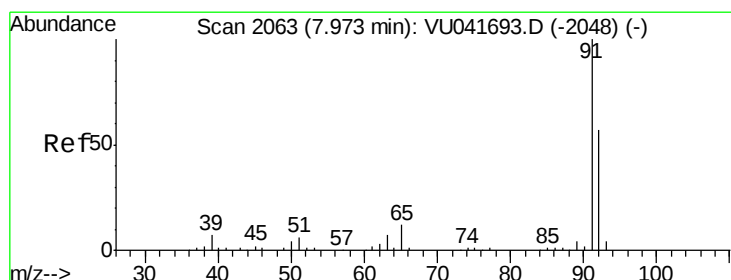
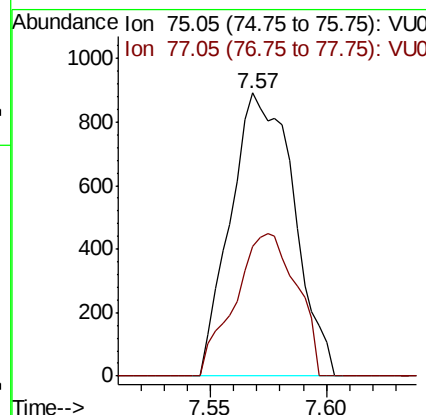
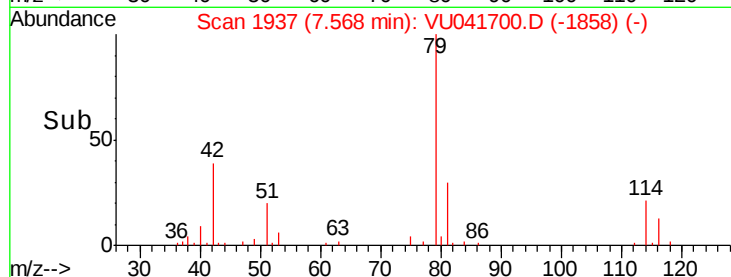
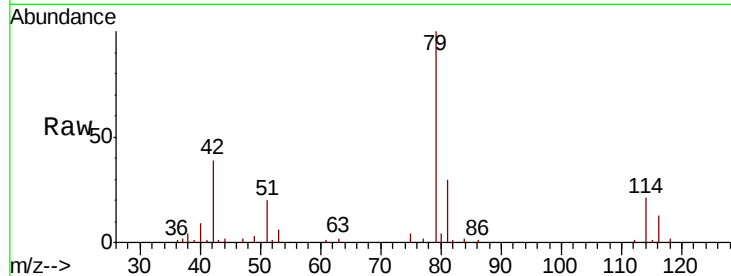


#39

cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU041700.D
 Acq: 21 Dec 2020 14:49

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2MS

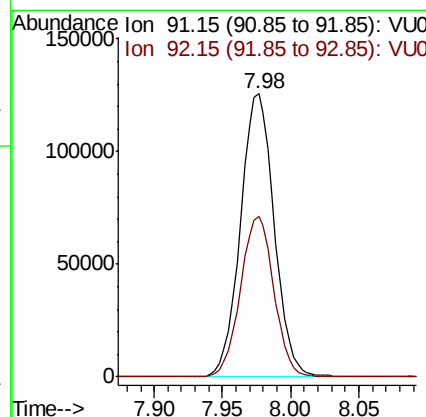
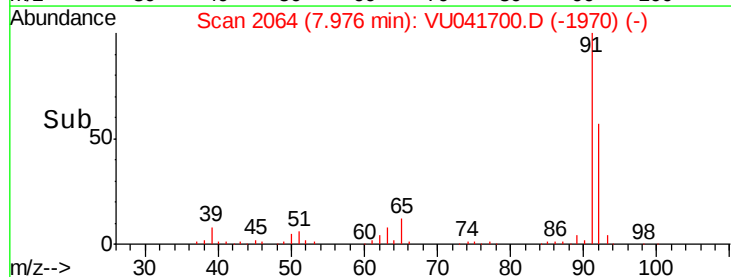
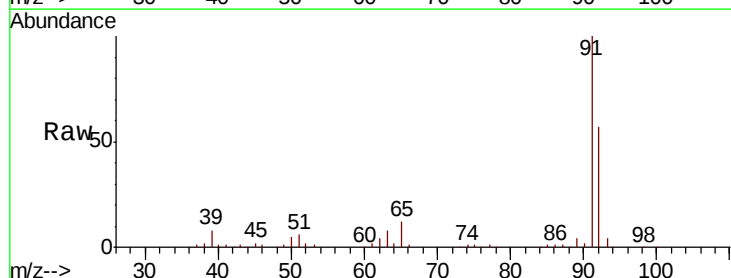
Tot Ion: 75 Resp: 1687
 Ion Ratio Lower Upper
 75 100
 77 45.7 22.3 41.3#

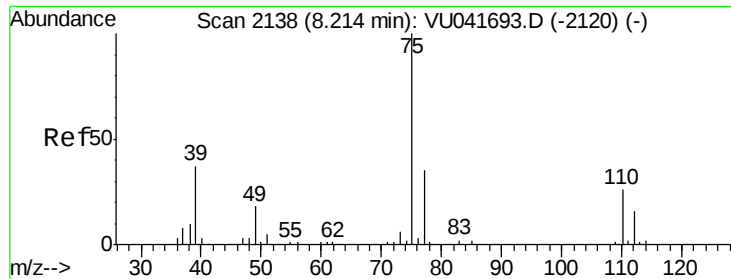


#42

Toluene
 Concen: 4.956 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041700.D
 Acq: 21 Dec 2020 14:49

Tgt Ion: 91 Resp: 215484
 Ion Ratio Lower Upper
 91 100
 92 56.8 40.0 74.2

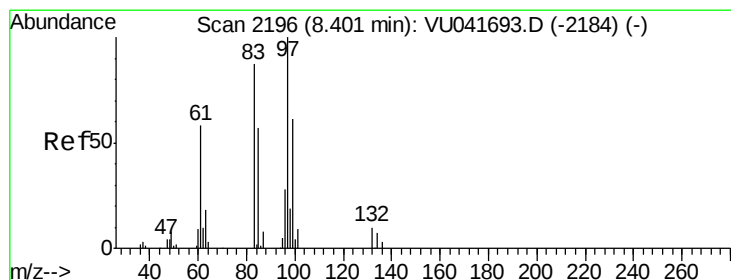
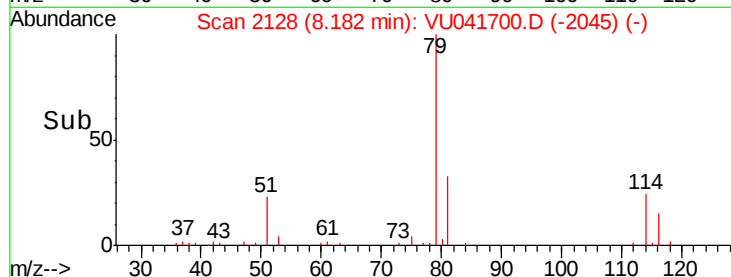
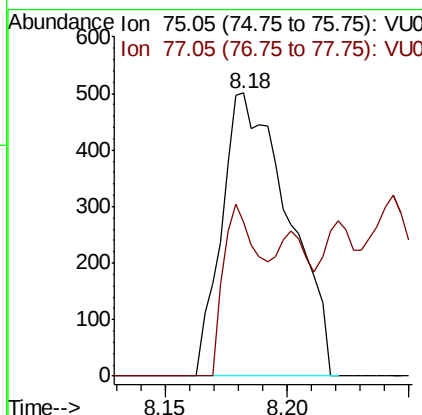
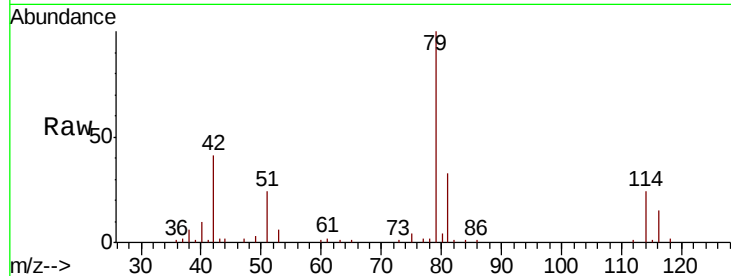




#44
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

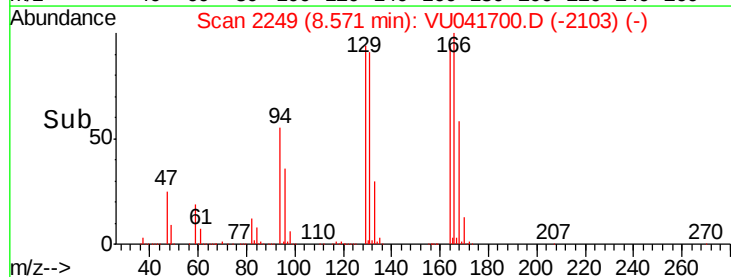
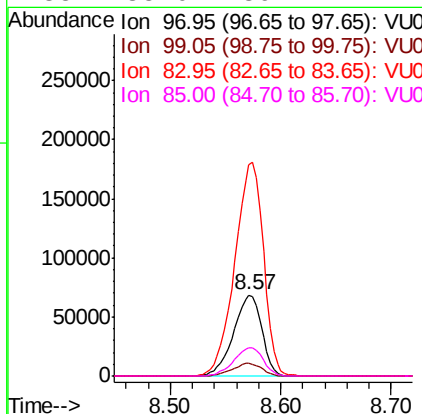
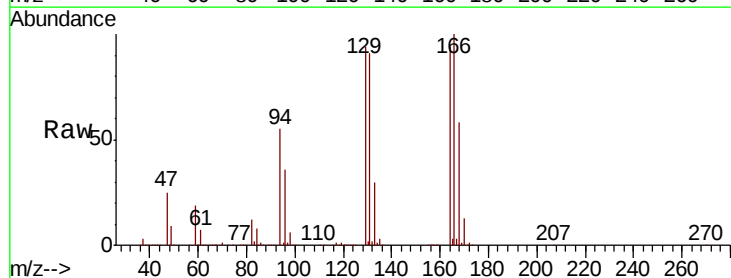
Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

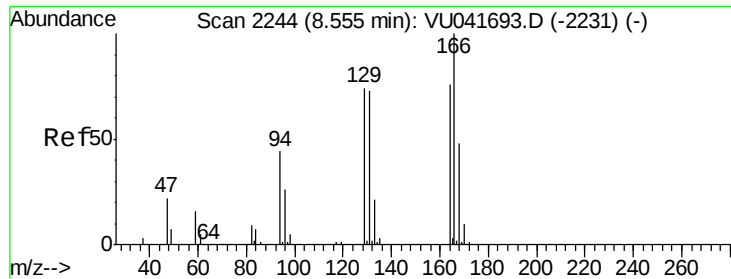
Tot Ion: 75 Resp: 950
Ion Ratio Lower Upper
75 100
77 54.5 23.8 44.2#



#45
1,1,2-Trichloroethane
Concen: 15.230 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. 0.17 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Tgt Ion: 97 Resp: 121334
Ion Ratio Lower Upper
97 100
99 15.9 42.1 78.3#
83 260.2 62.6 116.2#
85 35.0 39.1 72.7#

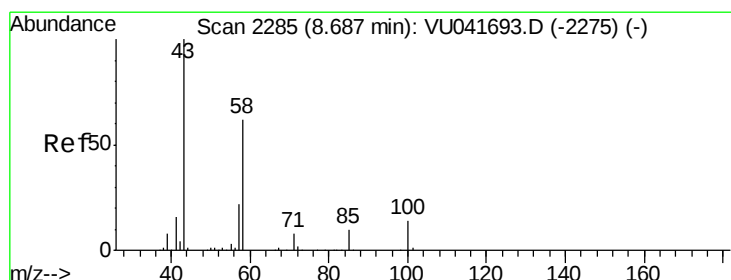
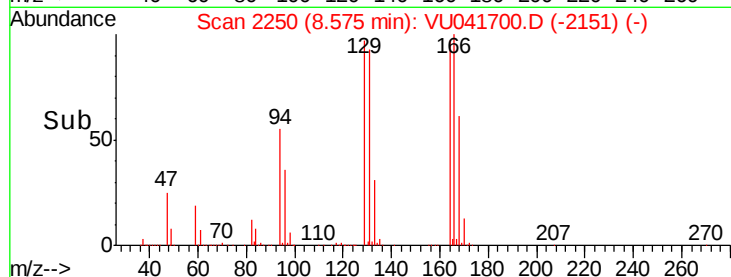
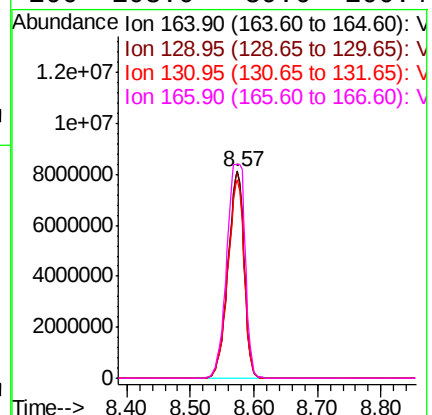
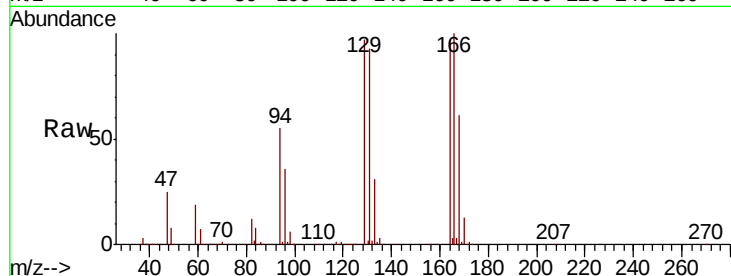




#47
Tetrachloroethene
Concen: 1937.141 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.02 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

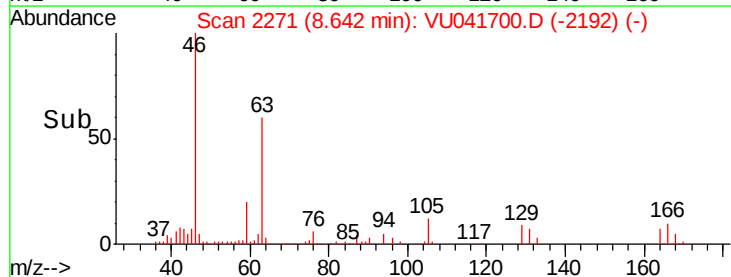
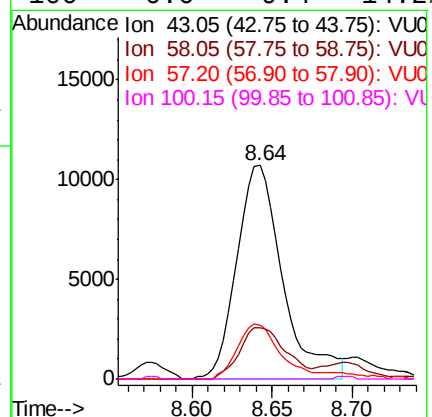
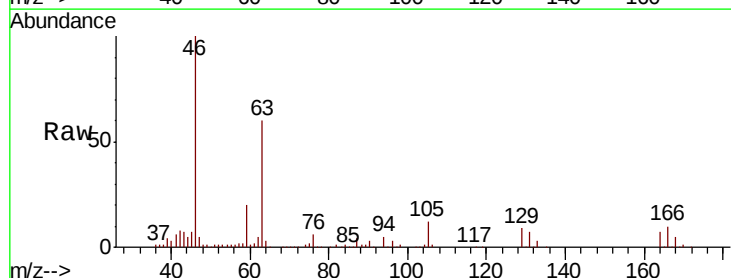
Instrument :
MSVOA_U
ClientSampleId :
GB1T2MS

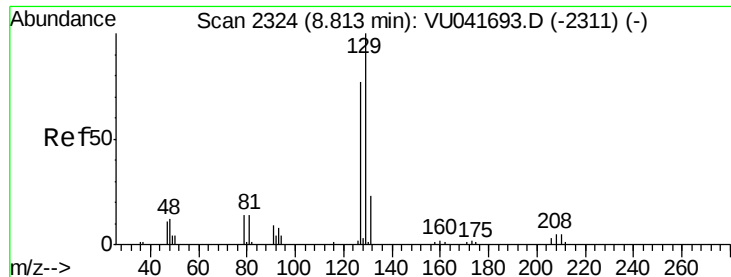
Tot Ion:164 Resp:14351648
Ion Ratio Lower Upper
164 100
129 99.6 72.2 134.0
131 96.0 66.9 124.3
166 103.0 89.6 166.4



#48
2-Hexanone
Concen: 3.781 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041700.D
Acq: 21 Dec 2020 14:49

Tgt Ion: 43 Resp: 21096
Ion Ratio Lower Upper
43 100
58 24.2 47.9 71.9#
57 23.5 16.5 24.7
100 0.0 9.4 14.2#





#49

Dibromochloromethane

Concen: 1550.848 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.24 min

Lab File: VU041700.D

Acq: 21 Dec 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

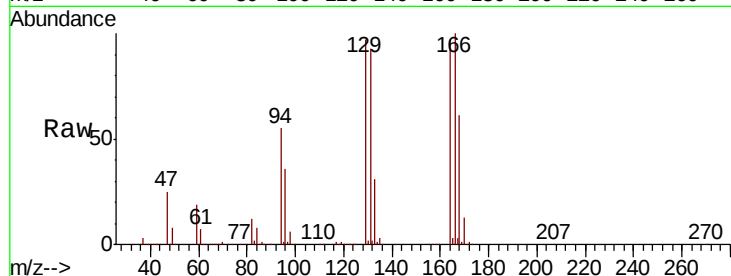
GB1T2MS

Tot Ion:129 Resp:14191730

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

8000000

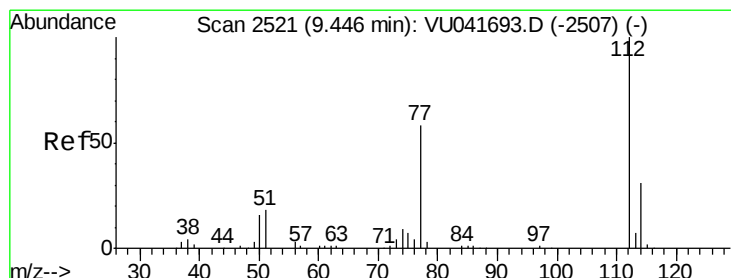
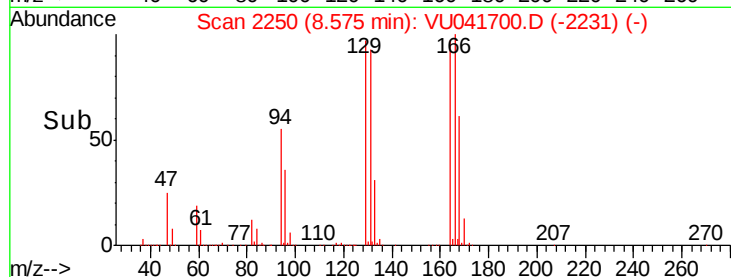
6000000

4000000

2000000

0

Time-->



#51

Chlorobenzene

Concen: 5.280 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041700.D

Acq: 21 Dec 2020 14:49

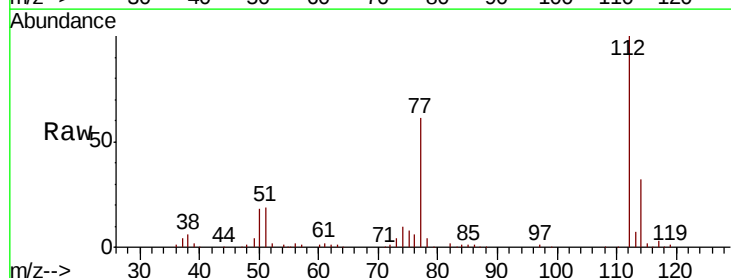
Tgt Ion:112 Resp: 142702

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 60.9 49.1 73.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

120000

100000

80000

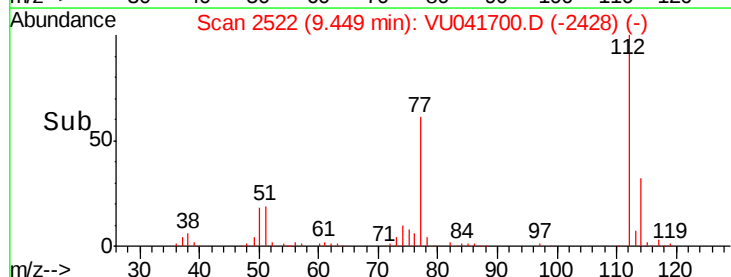
60000

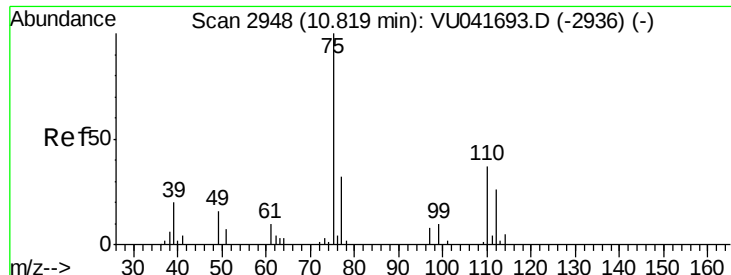
40000

20000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.956 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041700.D

Acq: 21 Dec 2020 14:49

Instrument :

MSVOA_U

ClientSampleId :

GB1T2MS

Tot Ion: 75 Resp: 7734

Ion Ratio Lower Upper

75 100

77 35.3 26.2 39.2

