

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041703.D
 Acq On : 21 Dec 2020 16:07
 Operator : SY/MD
 Sample : VIBLK06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK06

Quant Time: Dec 22 02:52:30 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	130084	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50547	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45778	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.92	69	44065	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.57	63	63002	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.66	46	193544	66.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.50%#
24) Chloroform-d	5.08	84	97764	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	5.71	65	56551	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.74	84	179301	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.70	67	66919	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.90	98	149798	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.18	79	25230	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	157780	54.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56281	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52435	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	1031	0.096	ug/L	98
8) Chloroethane	1.94	64	628	0.078	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	421	0.047	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	513	0.058	ug/L #	1
15) Methyl Acetate	3.20	43	445	0.092	ug/L #	51
16) Methylene chloride	3.06	84	2489	0.236	ug/L	85
25) Chloroform	5.11	83	920	0.054	ug/L	94
27) 1,2-Dichloroethane	5.73	62	908	0.078	ug/L #	73
35) Methylcyclohexane	6.70	83	14537	0.852	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	7065	0.658	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1569	0.099	ug/L	91
44) trans-1,3-Dichloropropene	8.18	75	930	0.065	ug/L #	75
47) Tetrachloroethene	8.56	164	4070	0.551	ug/L	96
48) 2-Hexanone	8.64	43	17337	3.116	ug/L #	65
49) Dibromochloromethane	8.56	129	3963	0.434	ug/L #	10
59) 1,2,3-Trichloropropane	11.80	75	6152	0.763	ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration

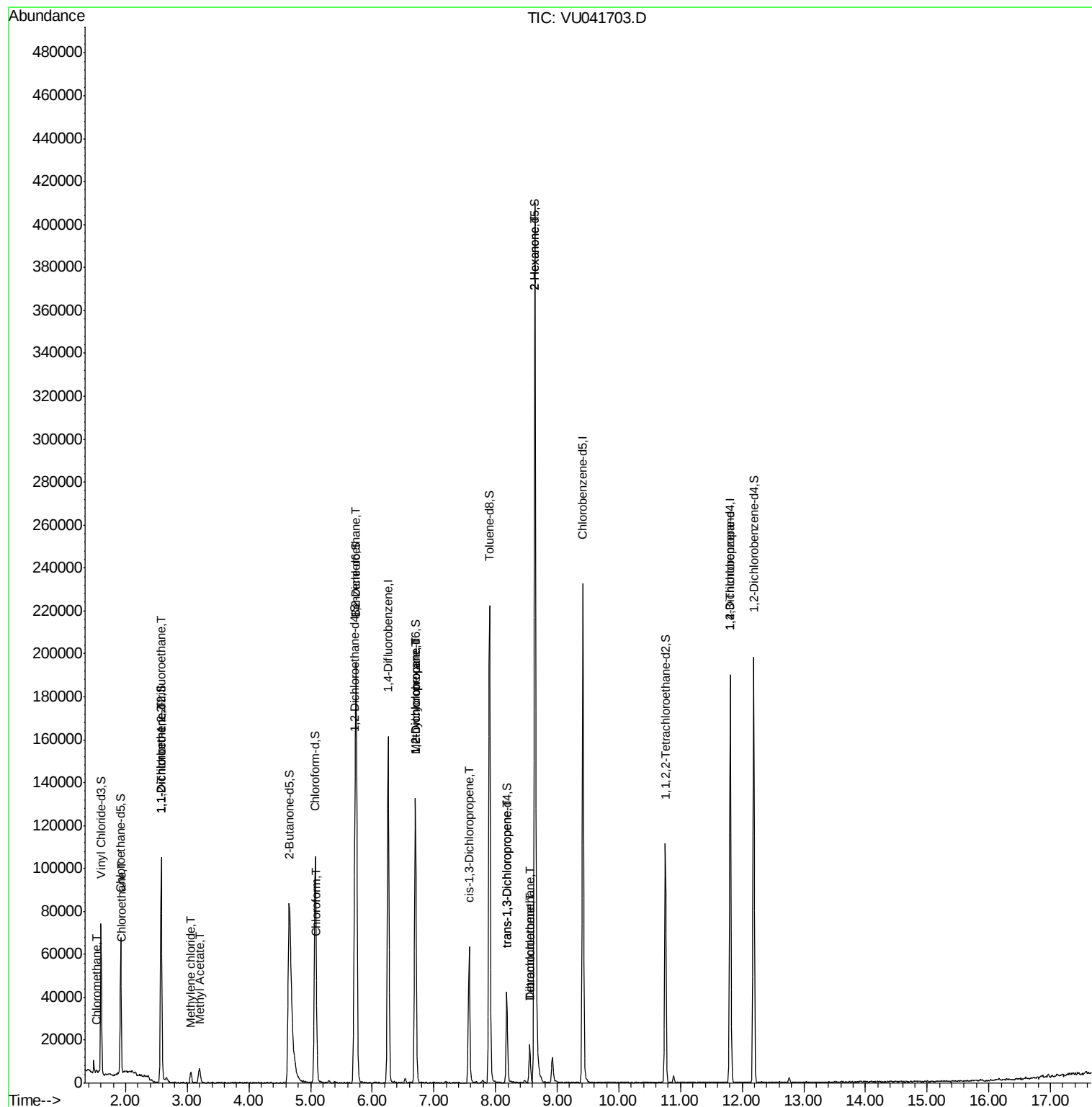
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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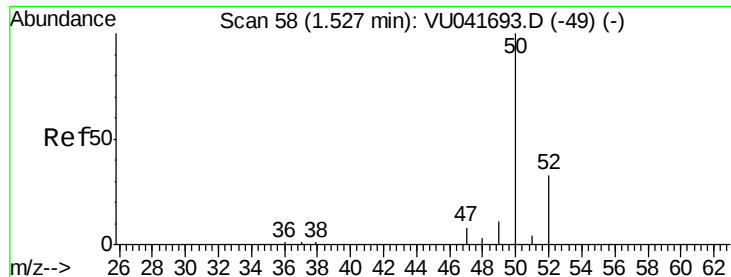
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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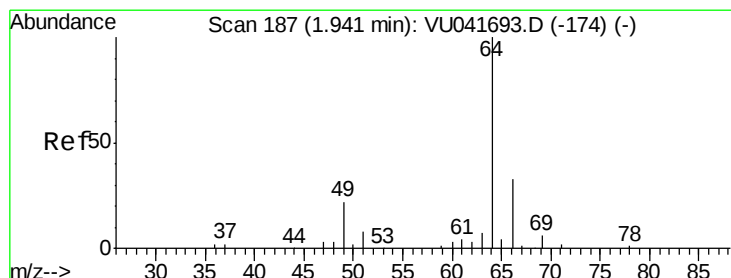
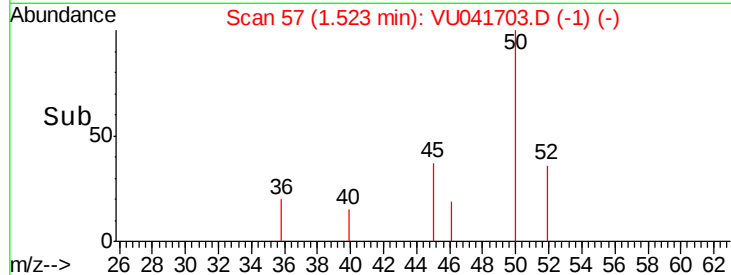
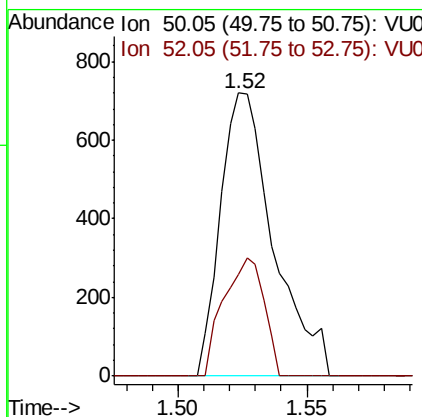
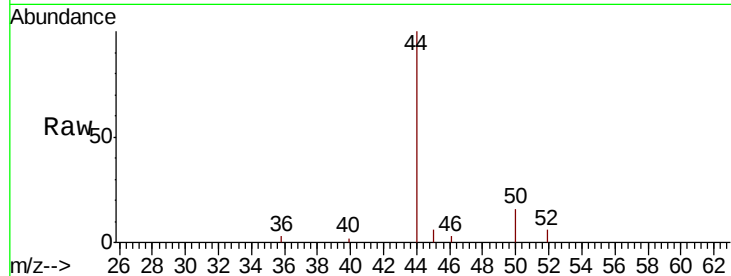




#3
 Chloromethane
 Concen: 0.096 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VU041703.D
 Acq: 21 Dec 2020 16:07

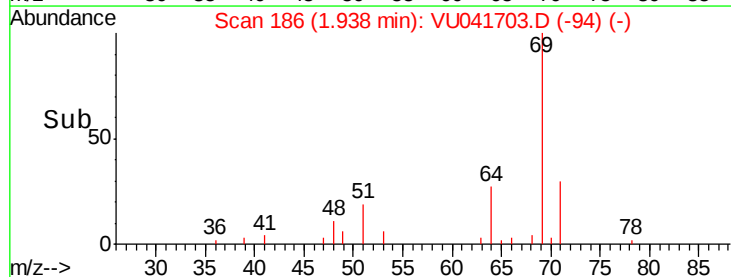
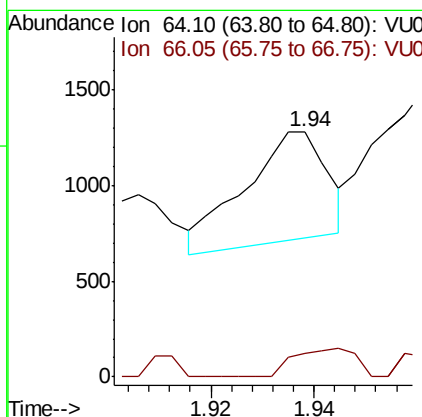
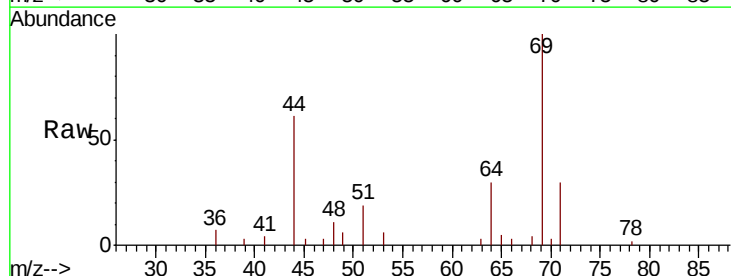
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK06

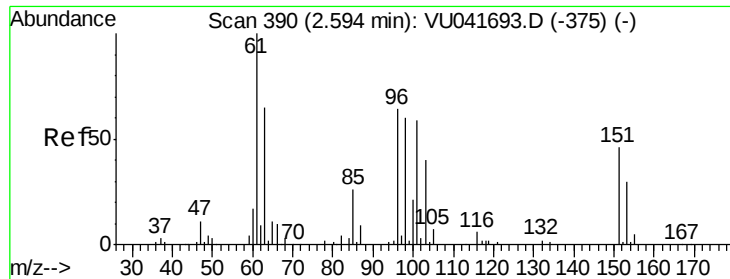
Tot Ion: 50 Resp: 1031
 Ion Ratio Lower Upper
 50 100
 52 35.7 24.1 44.8



#8
 Chloroethane
 Concen: 0.078 ug/L
 RT: 1.94 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VU041703.D
 Acq: 21 Dec 2020 16:07

Tgt Ion: 64 Resp: 628
 Ion Ratio Lower Upper
 64 100
 66 9.5 21.6 40.0#





#10

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

Concen: 0.047 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041703.D

Acq: 21 Dec 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

VIBLK06

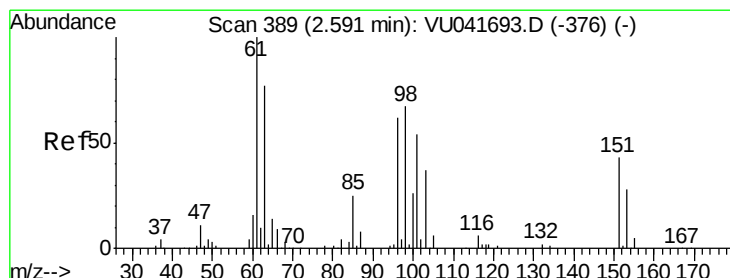
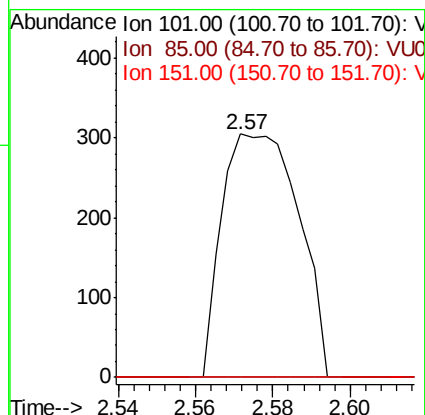
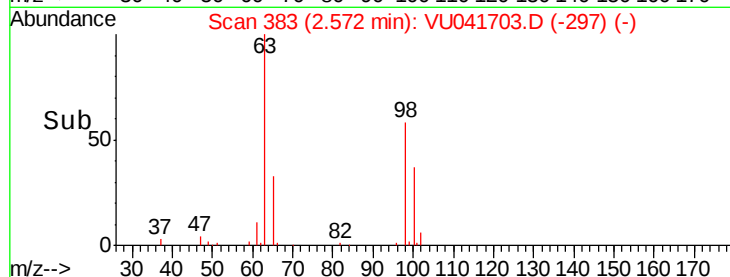
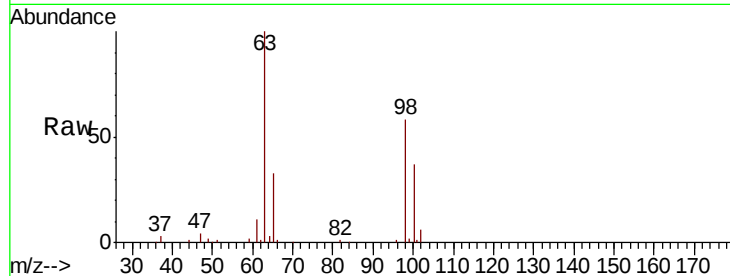
Tot Ion:101 Resp: 421

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#12

1,1-Dichloroethene

Concen: 0.058 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041703.D

Acq: 21 Dec 2020 16:07

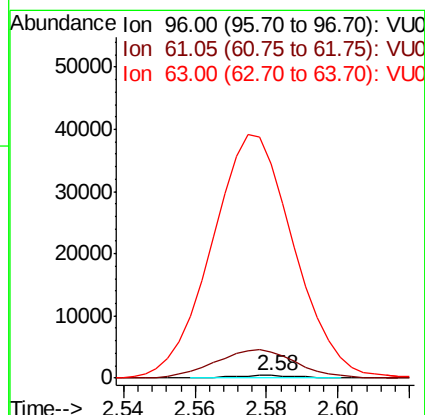
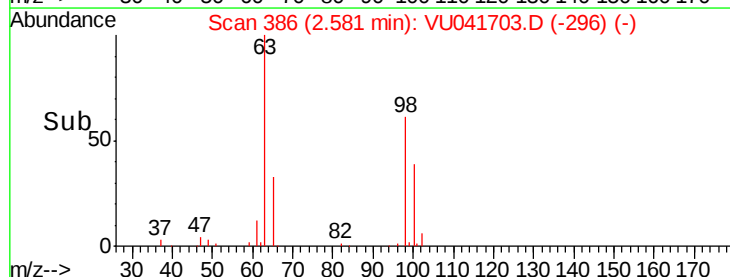
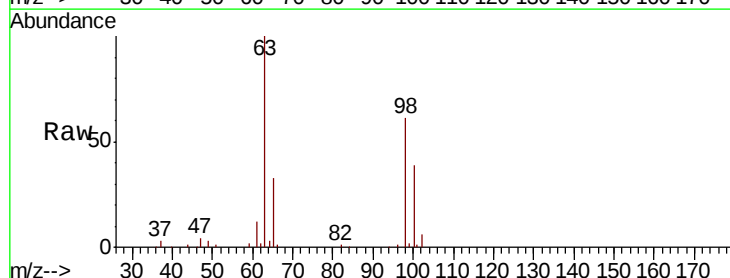
Tgt Ion: 96 Resp: 513

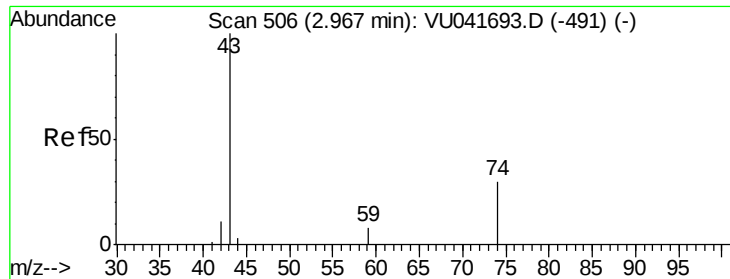
Ion Ratio Lower Upper

96 100

61 1004.6 123.8 230.0#

63 8334.3 81.0 150.4#

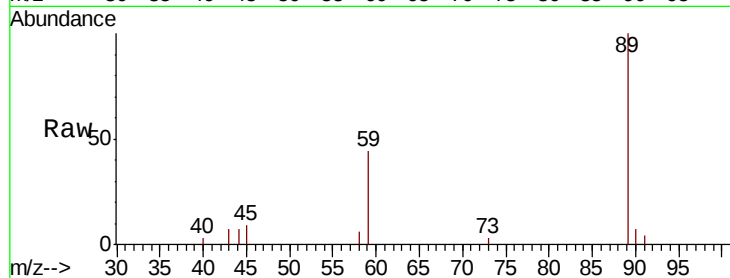




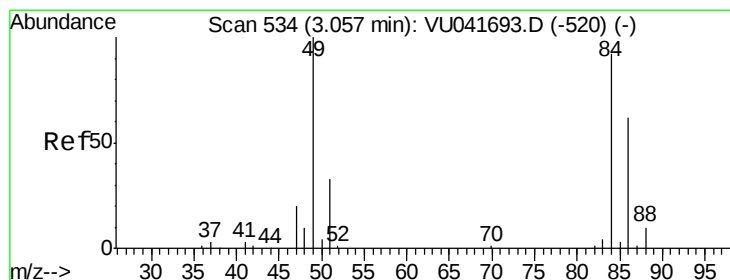
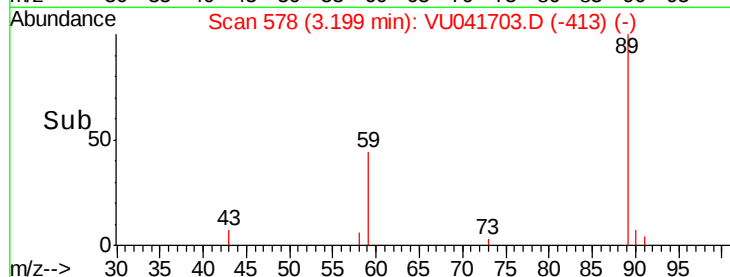
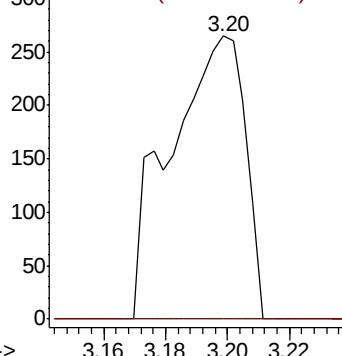
#15
Methyl Acetate
Concen: 0.092 ug/L
RT: 3.20 min Scan# 578
Delta R.T. 0.23 min
Lab File: VU041703.D
Acq: 21 Dec 2020 16:07

Instrument :
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VIBLK06

Tot Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

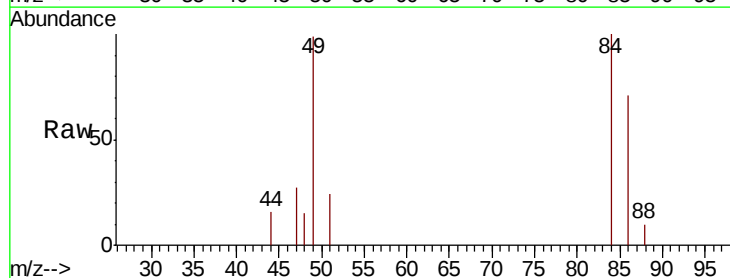


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

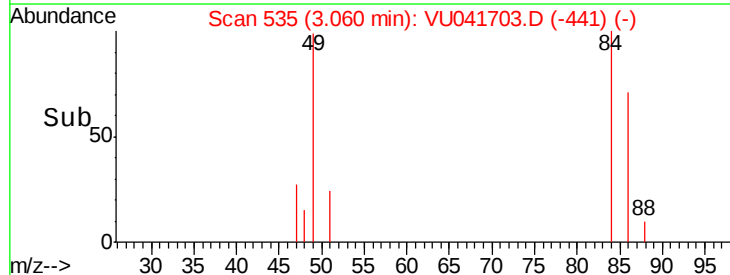
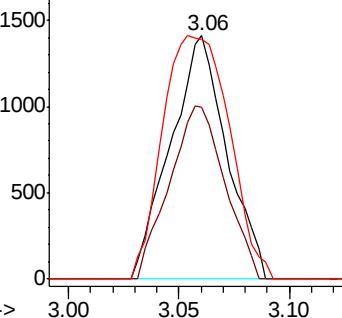


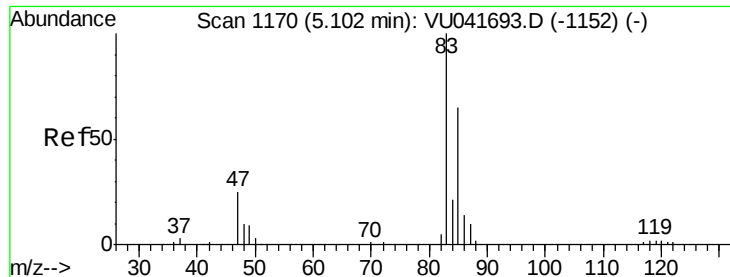
#16
Methylene chloride
Concen: 0.236 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041703.D
Acq: 21 Dec 2020 16:07

Tgt Ion: 84 Resp: 2489
Ion Ratio Lower Upper
84 100
86 70.6 45.1 83.7
49 98.7 83.1 154.3



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

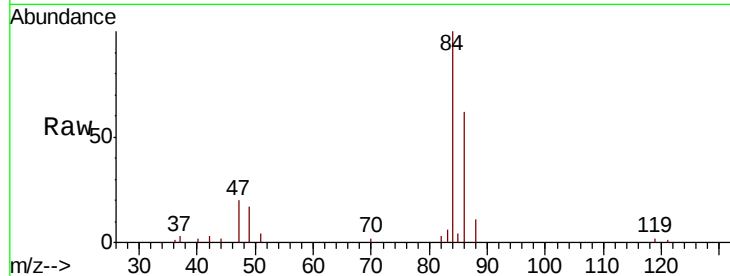




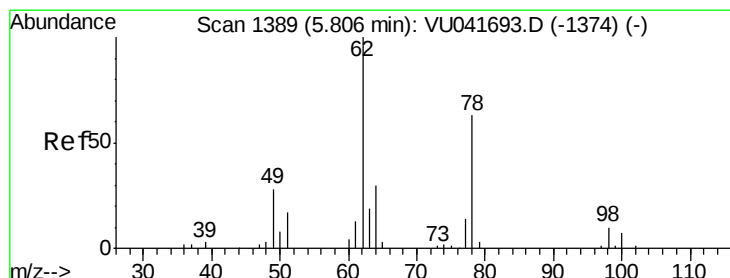
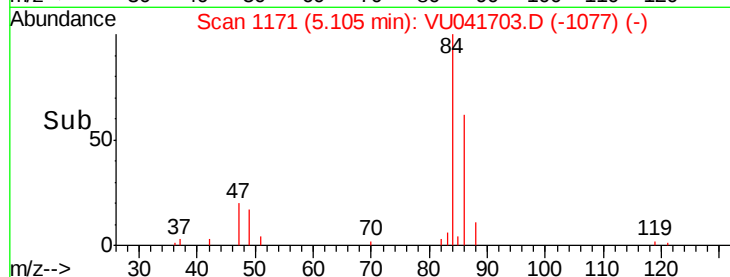
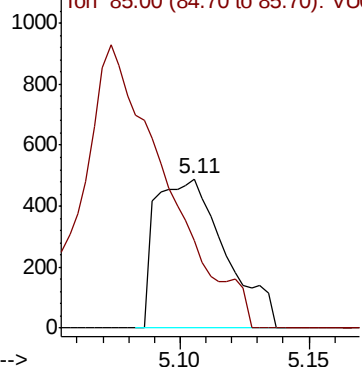
#25
Chloroform
Concen: 0.054 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041703.D
Acq: 21 Dec 2020 16:07

Instrument :
MSVOA_U
ClientSampleId :
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Tot Ion: 83 Resp: 920
Ion Ratio Lower Upper
83 100
85 58.7 44.2 82.0

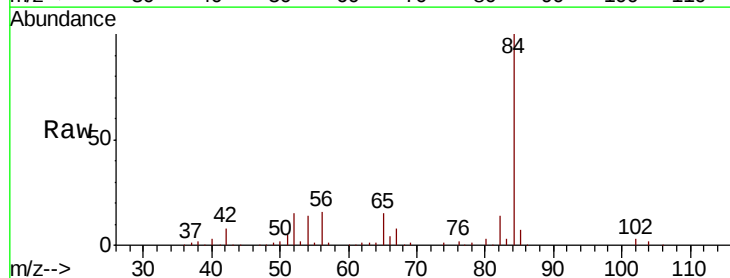


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

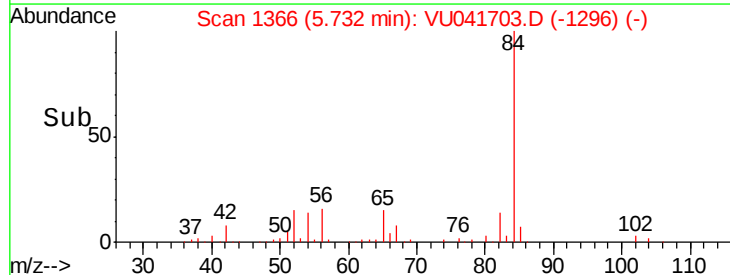
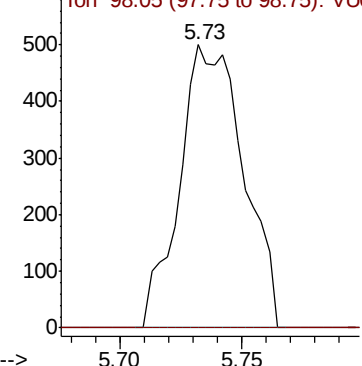


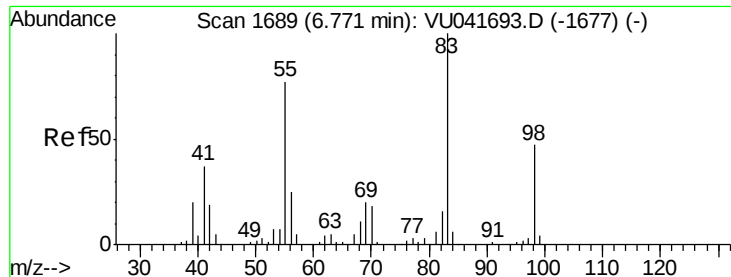
#27
1,2-Dichloroethane
Concen: 0.078 ug/L
RT: 5.73 min Scan# 1366
Delta R.T. -0.07 min
Lab File: VU041703.D
Acq: 21 Dec 2020 16:07

Tgt Ion: 62 Resp: 908
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

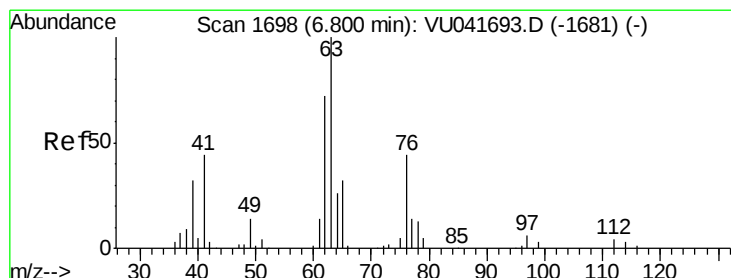
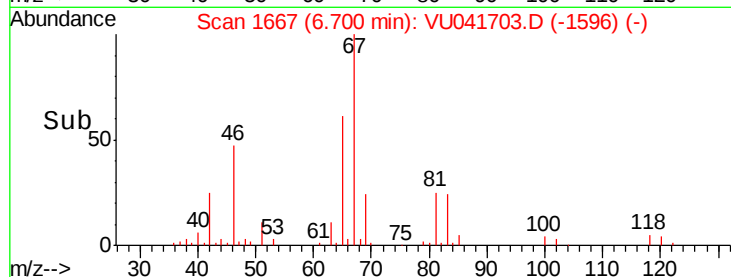
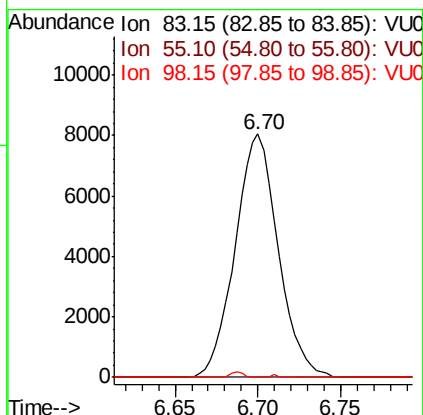
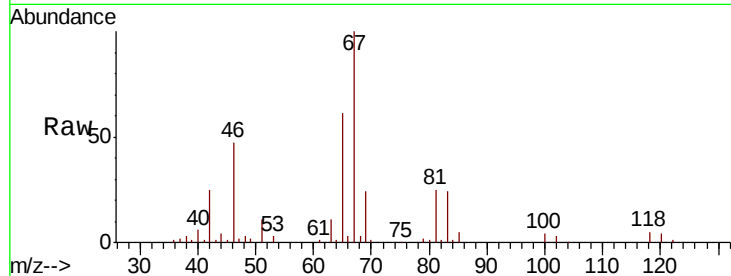




#35
Methvlcvclohexane
Concen: 0.852 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041703.D
Acq: 21 Dec 2020 16:07

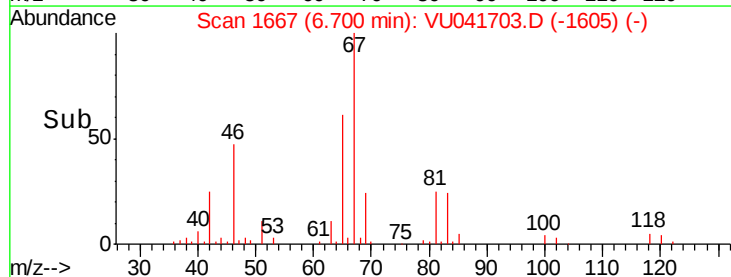
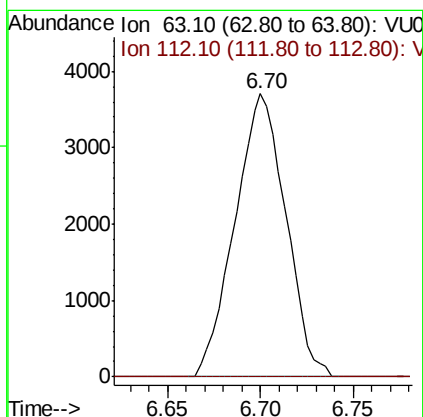
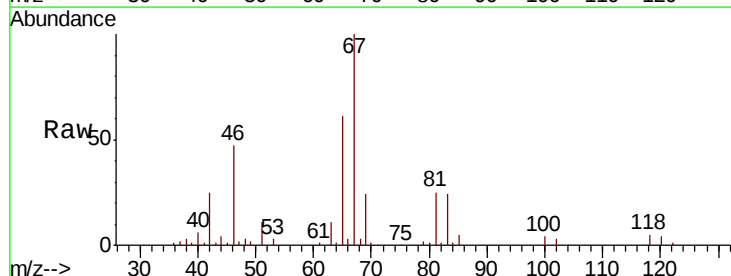
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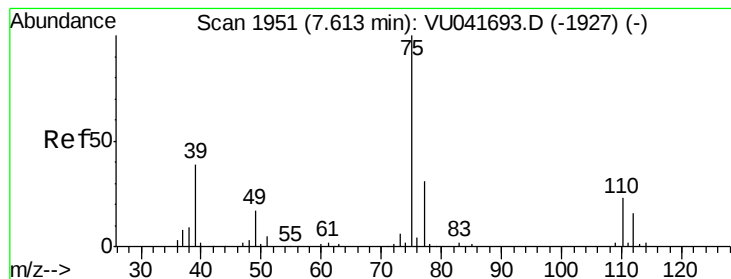
Tot Ion: 83 Resp: 14537
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.1 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.658 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041703.D
Acq: 21 Dec 2020 16:07

Tgt Ion: 63 Resp: 7065
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



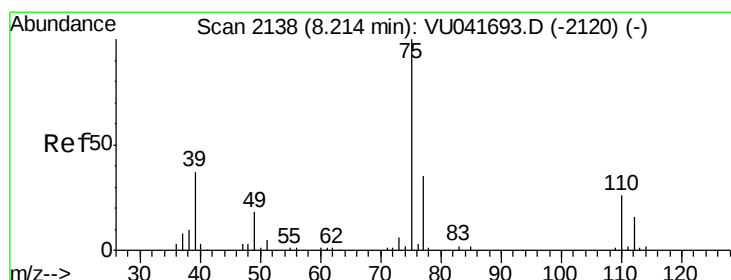
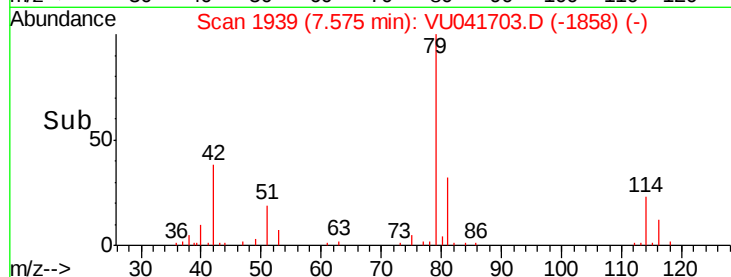
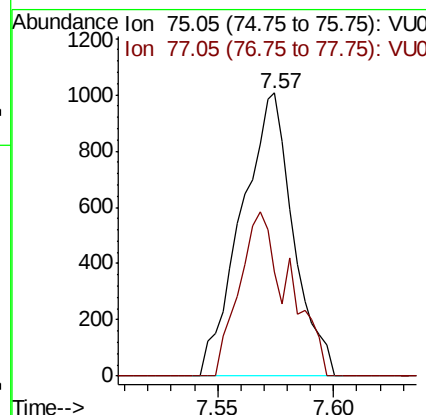
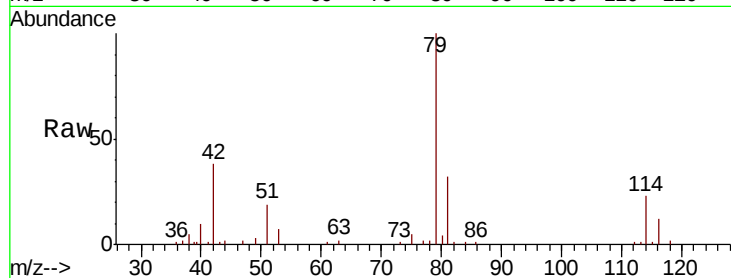


#39

cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041703.D
 Acq: 21 Dec 2020 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK06

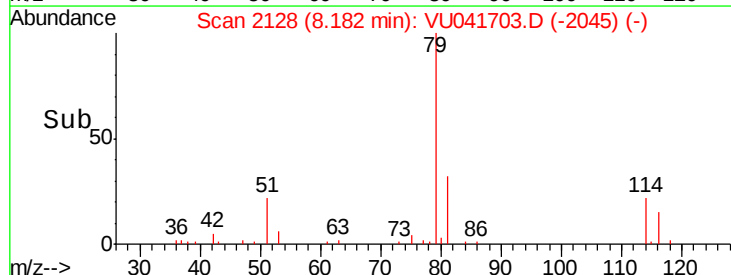
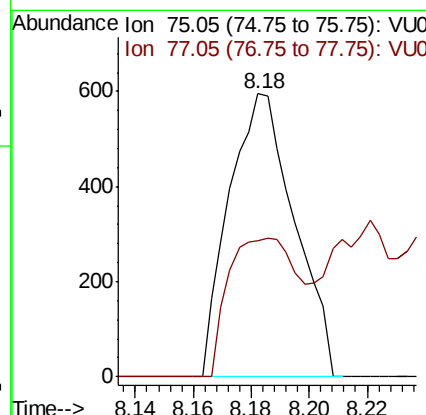
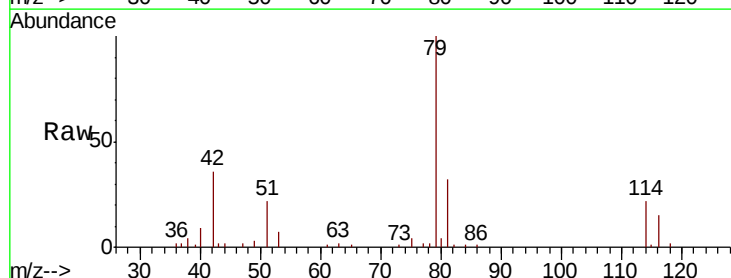
Tot Ion: 75 Resp: 1569
 Ion Ratio Lower Upper
 75 100
 77 36.9 22.3 41.3

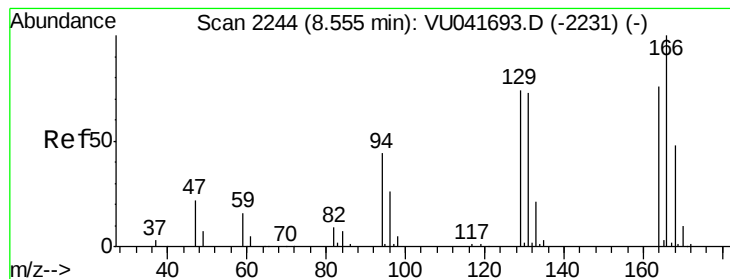


#44

trans-1,3-Dichloropropene
 Concen: 0.065 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041703.D
 Acq: 21 Dec 2020 16:07

Tgt Ion: 75 Resp: 930
 Ion Ratio Lower Upper
 75 100
 77 48.1 23.8 44.2#





#47

Tetrachloroethene

Concen: 0.551 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041703.D

Acq: 21 Dec 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

VIBLK06

Tot Ion:164 Resp: 4070

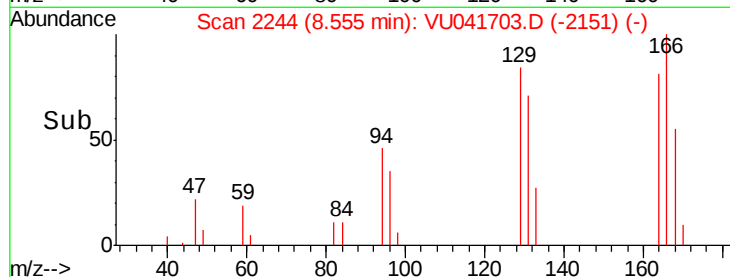
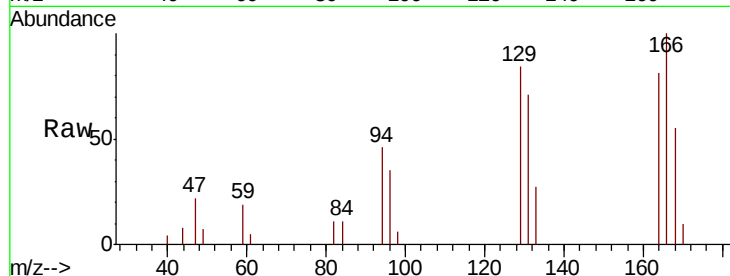
Ion Ratio Lower Upper

164 100

129 103.1 72.2 134.0

131 87.5 66.9 124.3

166 123.1 89.6 166.4

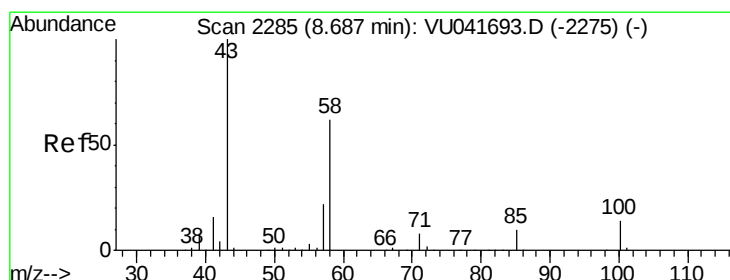
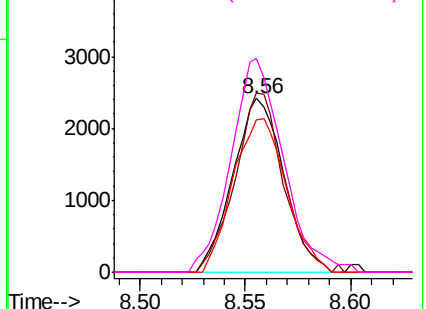


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.116 ug/L

RT: 8.64 min Scan# 2269

Delta R.T. -0.05 min

Lab File: VU041703.D

Acq: 21 Dec 2020 16:07

Tgt Ion: 43 Resp: 17337

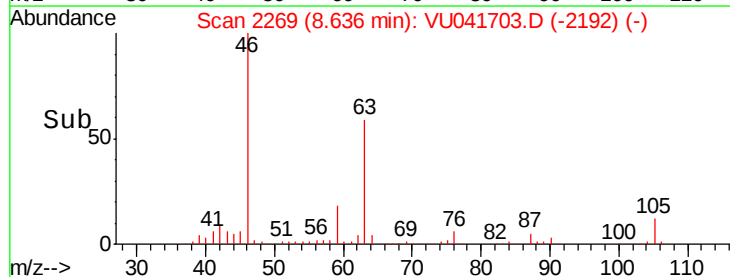
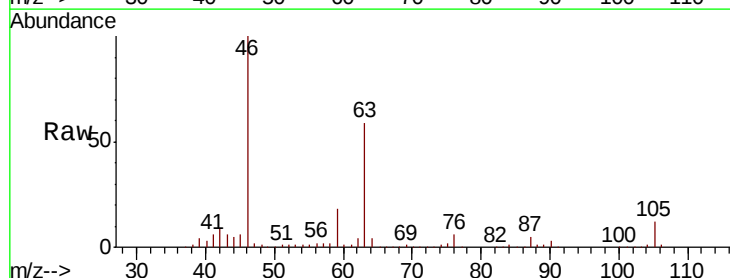
Ion Ratio Lower Upper

43 100

58 28.7 47.9 71.9#

57 30.2 16.5 24.7#

100 0.3 9.4 14.2#

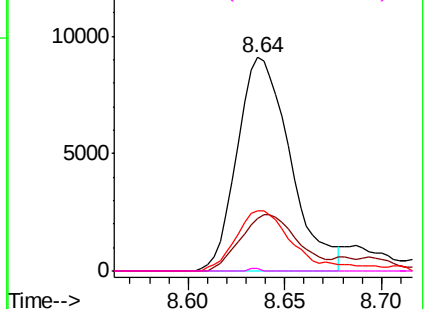


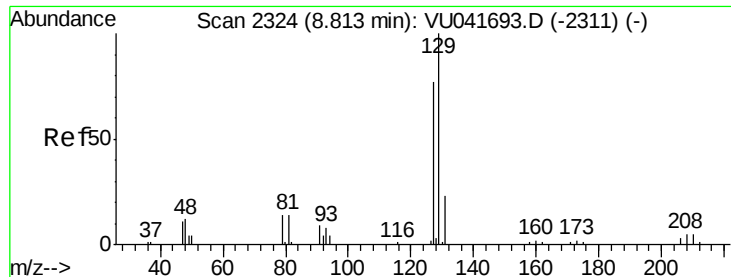
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.434 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041703.D

Acq: 21 Dec 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

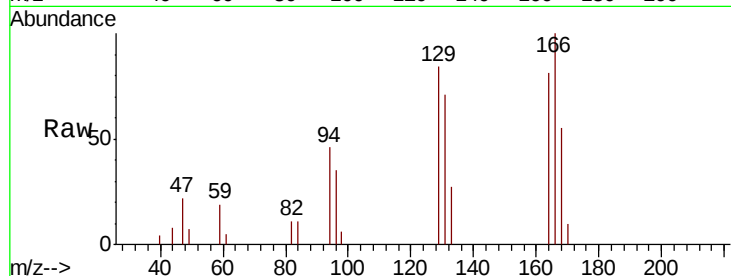
VIBLK06

Tot Ion:129 Resp: 3963

Ion Ratio Lower Upper

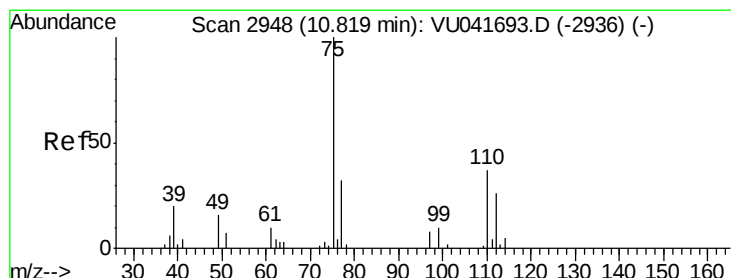
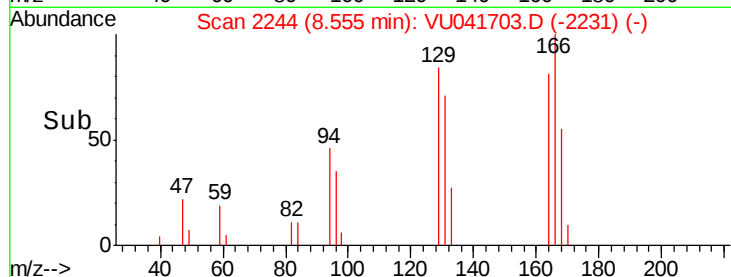
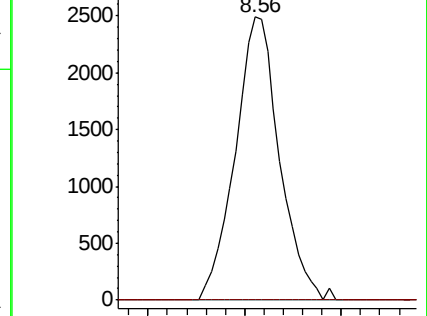
129 100

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



#59

1,2,3-Trichloropropane

Concen: 0.763 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU041703.D

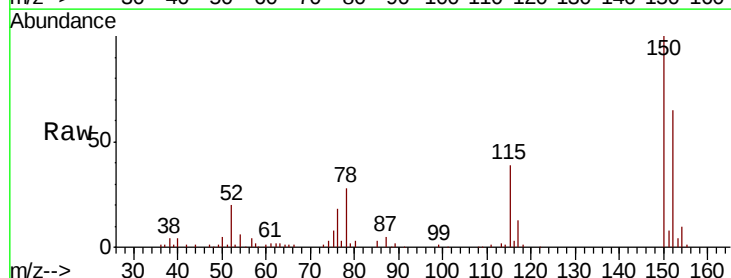
Acq: 21 Dec 2020 16:07

Tgt Ion: 75 Resp: 6152

Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

