

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041706.D
 Acq On : 21 Dec 2020 17:29
 Operator : SY/MD
 Sample : L5162-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB255

Quant Time: Dec 22 02:53:08 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	124263	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118165	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51553	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42140	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.92	69	40301	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.58	63	57525	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.65	46	171417	61.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.86%
24) Chloroform-d	5.08	84	92202	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
26) 1,2-Dichloroethane-d4	5.72	65	51290	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.74	84	167333	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	56638	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.90	98	137794	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.18	79	22867	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	144688	55.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50936	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49956	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	629	0.061	ug/L	97
8) Chloroethane	1.94	64	253	0.033	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	603	0.071	ug/L #	22
13) Acetone	2.66	43	23893	13.461	ug/L	90
15) Methyl Acetate	2.75	43	508	0.110	ug/L #	51
25) Chloroform	5.10	83	14551	0.887	ug/L	92
27) 1,2-Dichloroethane	5.81	62	590	0.053	ug/L #	73
31) Carbon tetrachloride	5.54	117	1814555	154.644	ug/L	99
35) Methylcyclohexane	6.70	83	12123	0.790	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6118	0.633	ug/L #	88
38) Bromodichloromethane	7.11	83	552	0.046	ug/L #	54
44) trans-1,3-Dichloropropene	8.19	75	787	0.061	ug/L	84
47) Tetrachloroethene	8.56	164	1766	0.266	ug/L	83
49) Dibromochloromethane	8.56	129	1875	0.228	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6360	0.876	ug/L	91
67) 1,3,5-Trichlorobenzene	13.20	180	1068	0.089	ug/L #	71
68) 1,2,4-trichlorobenzene	13.83	180	1148	0.114	ug/L #	74

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

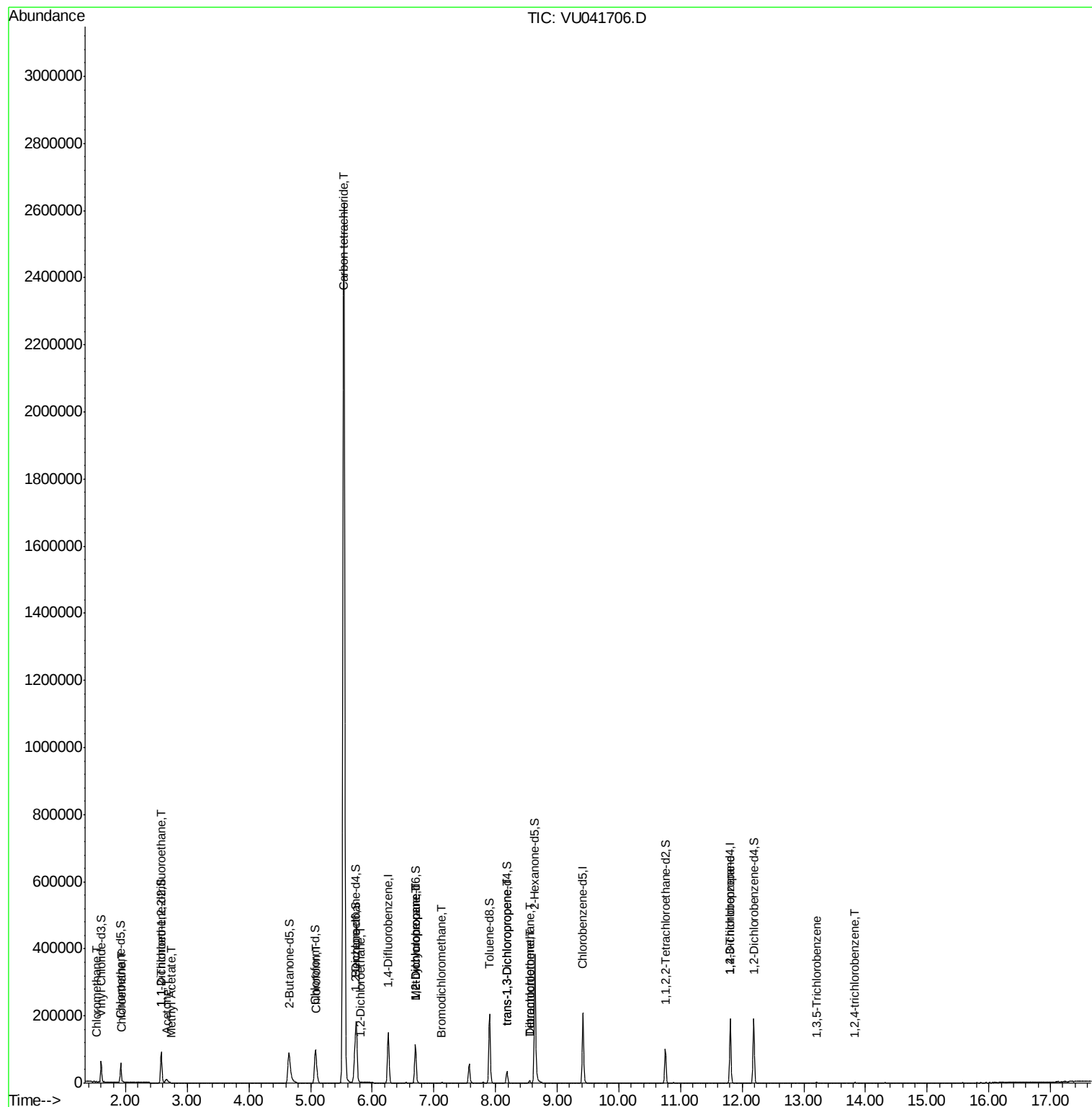
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

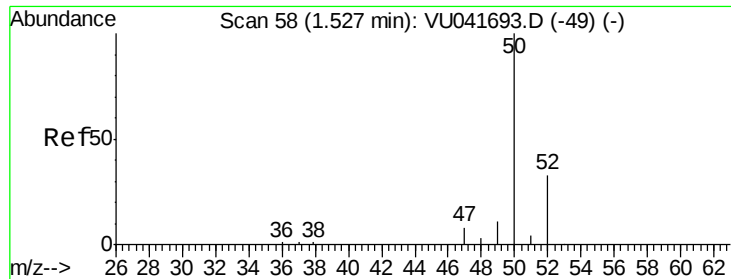
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.061 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

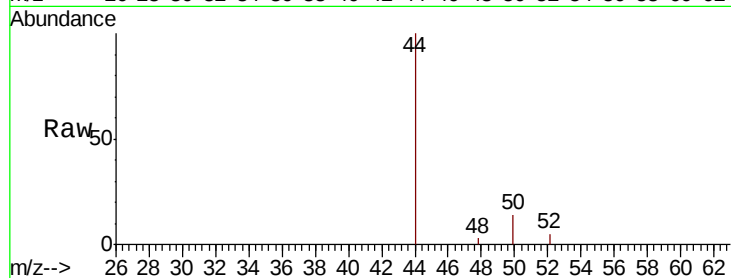
GB255

Tot Ion: 50 Resp: 629

Ion Ratio Lower Upper

50 100

52 33.0 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

600

500

400

300

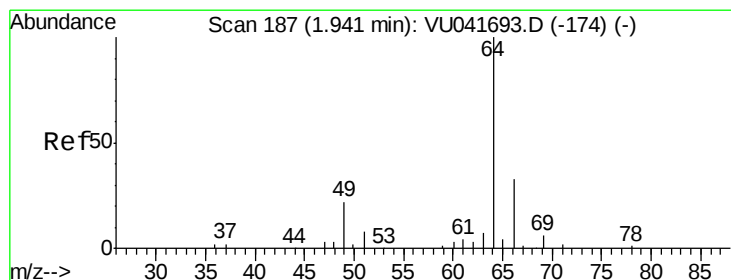
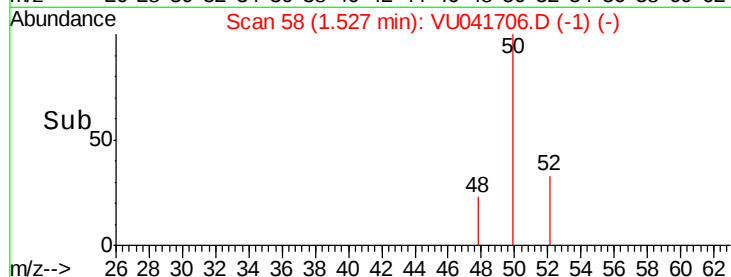
200

100

0

1.50 1.52 1.54 1.56

Time-->



#8

Chloroethane

Concen: 0.033 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041706.D

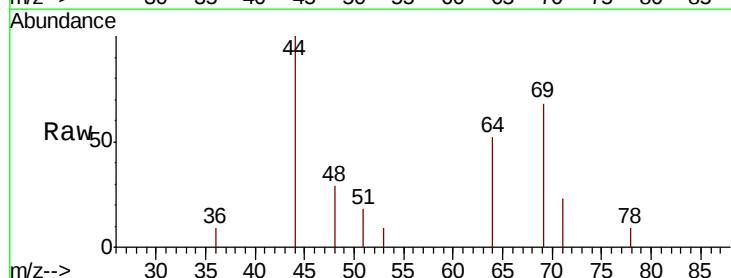
Acq: 21 Dec 2020 17:29

Tgt Ion: 64 Resp: 253

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

1000

800

600

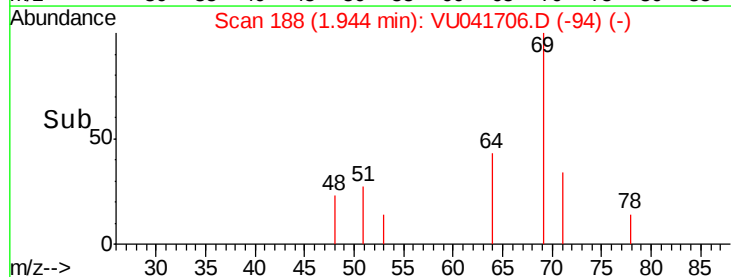
400

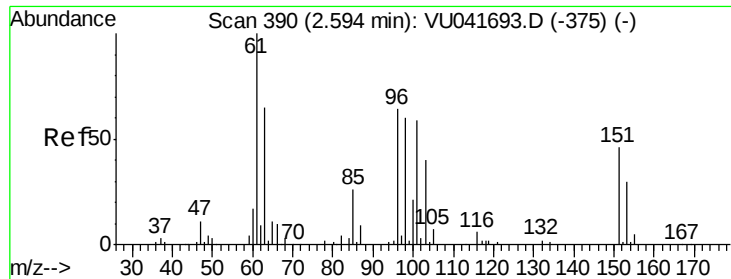
200

0

1.92 1.94 1.96

Time-->





#10

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

Concen: 0.071 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Instrument :

MSVOA_U

ClientSampled :

GB255

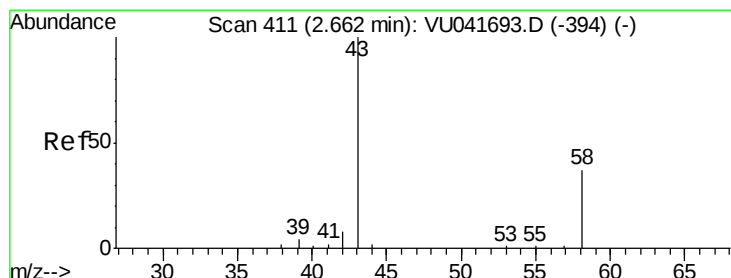
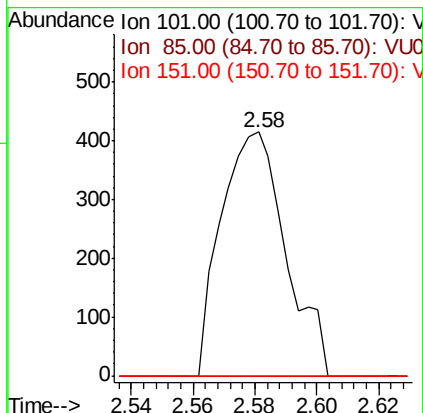
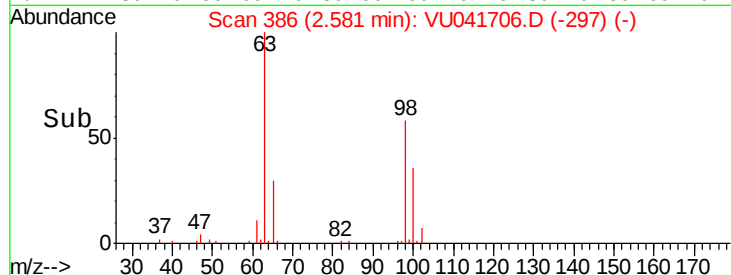
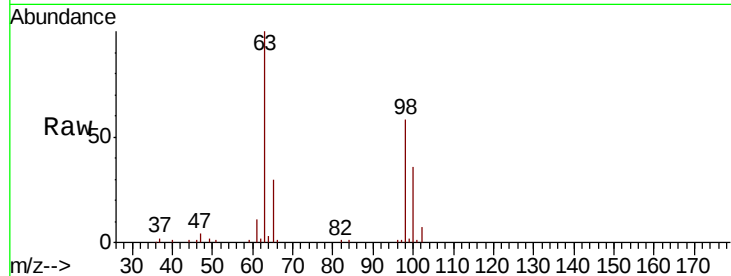
Tot Ion:101 Resp: 603

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#13

Acetone

Concen: 13.461 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041706.D

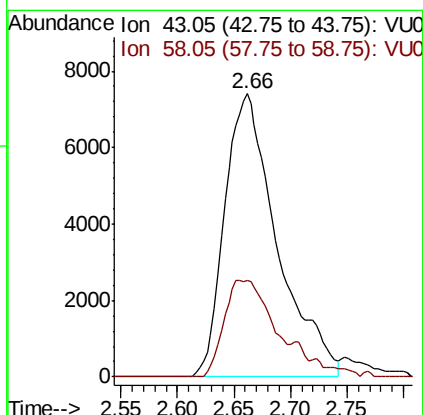
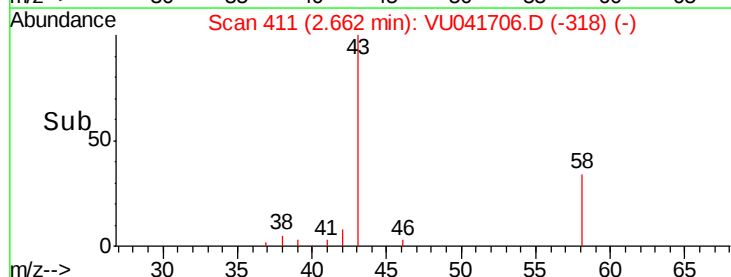
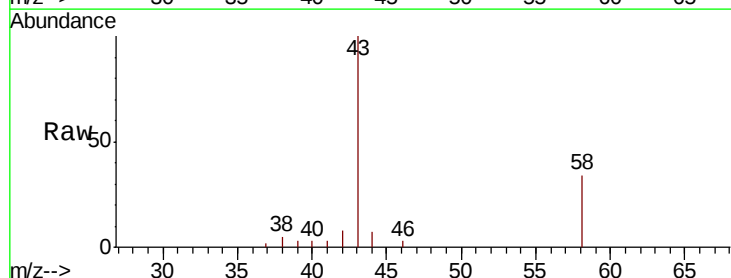
Acq: 21 Dec 2020 17:29

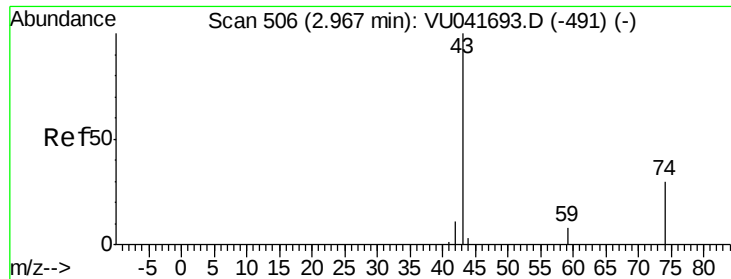
Tgt Ion: 43 Resp: 23893

Ion Ratio Lower Upper

43 100

58 30.5 0.0 73.2

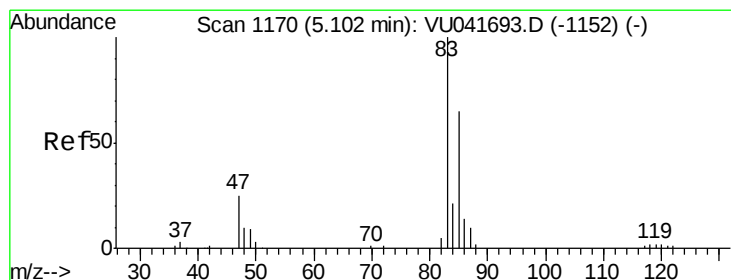
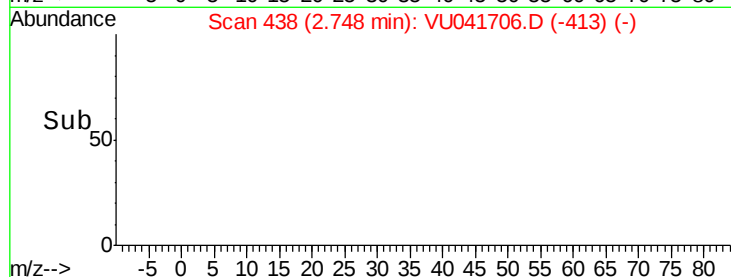
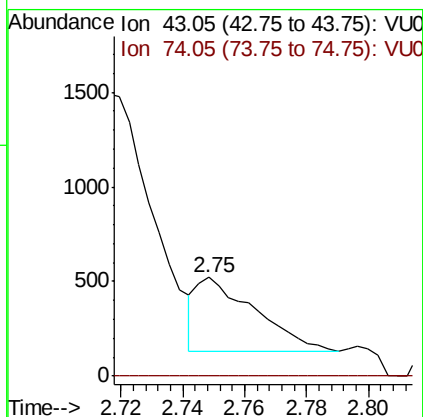
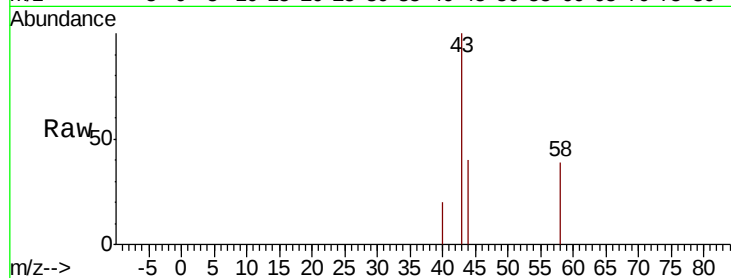




#15
Methvl Acetate
Concen: 0.110 ug/L
RT: 2.75 min Scan# 438
Delta R.T. -0.22 min
Lab File: VU041706.D
Acq: 21 Dec 2020 17:29

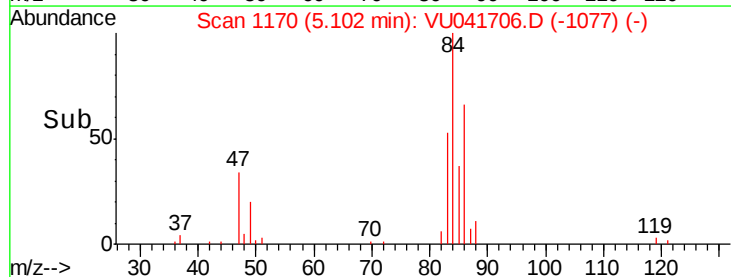
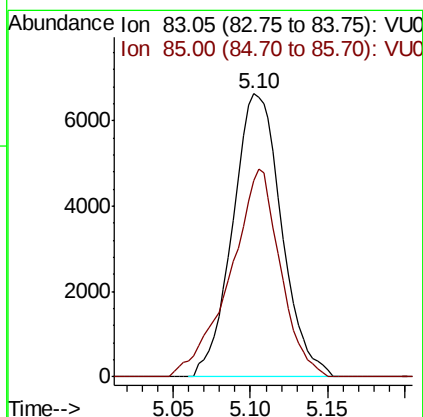
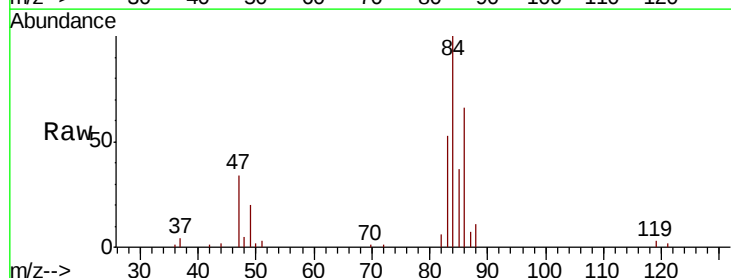
Instrument :
MSVOA_U
ClientSampled :
GB255

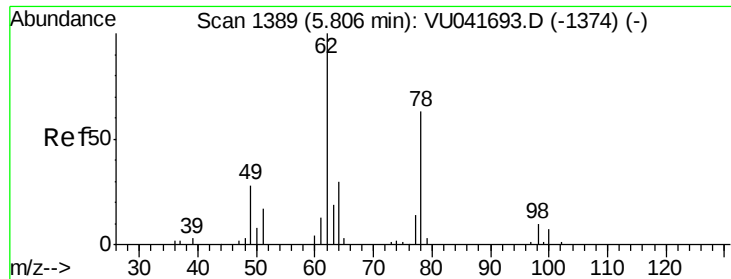
Tot Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
Chloroform
Concen: 0.887 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041706.D
Acq: 21 Dec 2020 17:29

Tgt Ion: 83 Resp: 14551
Ion Ratio Lower Upper
83 100
85 69.4 44.2 82.0

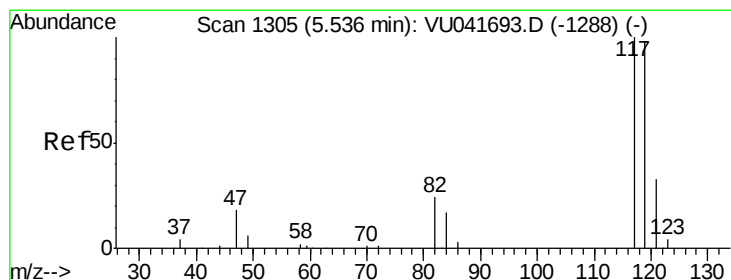
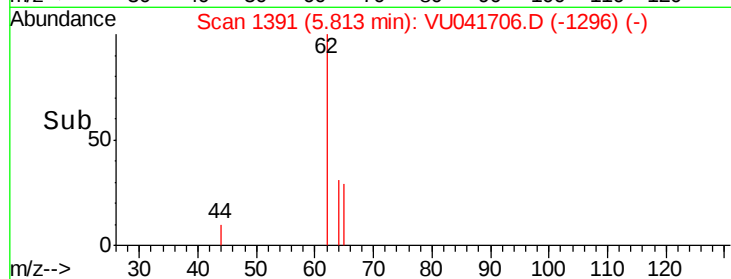
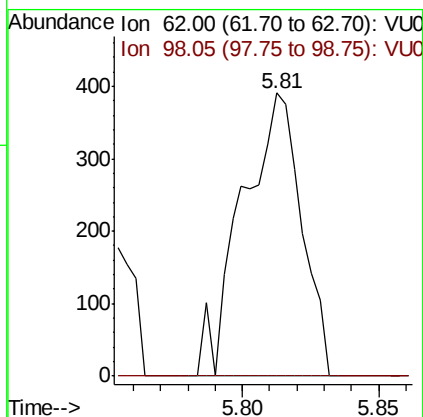
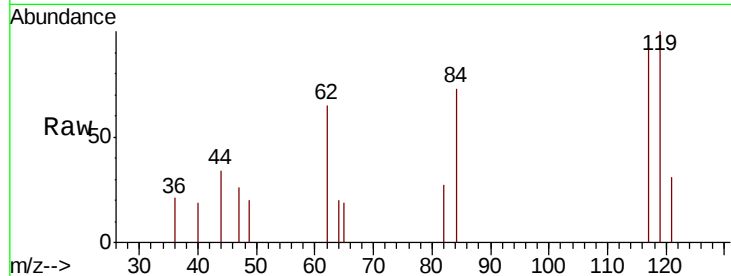




#27
 1,2-Dichloroethane
 Concen: 0.053 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VU041706.D
 Acq: 21 Dec 2020 17:29

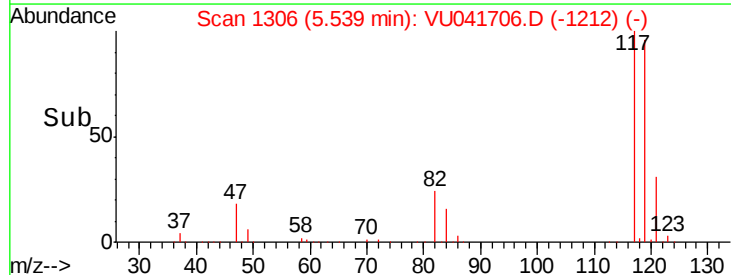
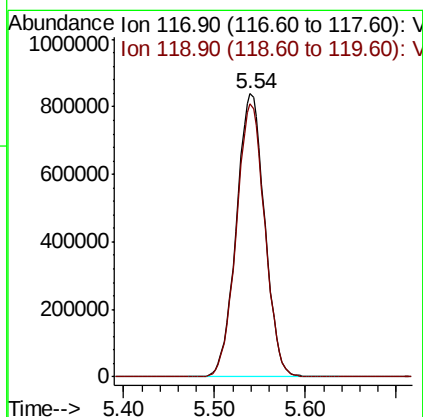
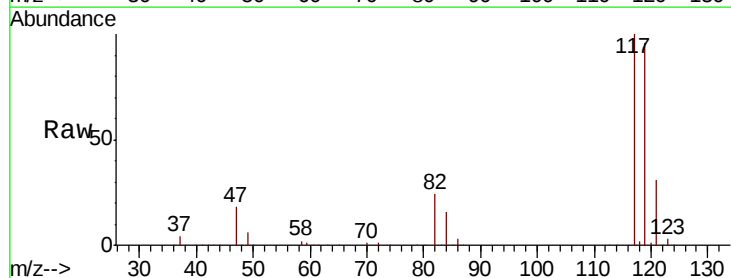
Instrument :
 MSVOA_U
 ClientSampled :
 GB255

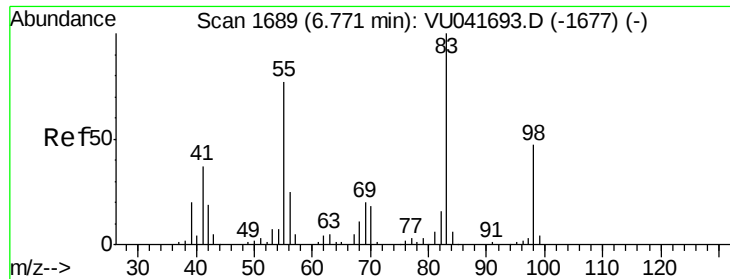
Tot Ion: 62 Resp: 590
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#31
 Carbon tetrachloride
 Concen: 154.644 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU041706.D
 Acq: 21 Dec 2020 17:29

Tgt Ion: 117 Resp: 1814555
 Ion Ratio Lower Upper
 117 100
 119 96.7 76.2 114.2

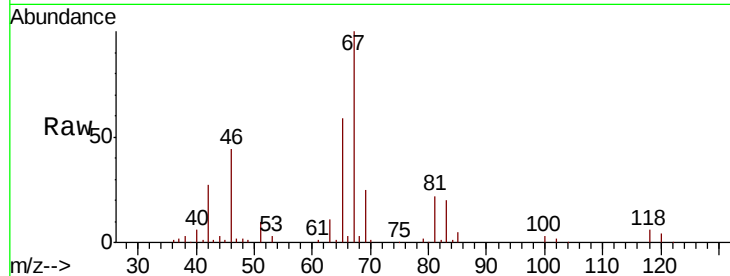




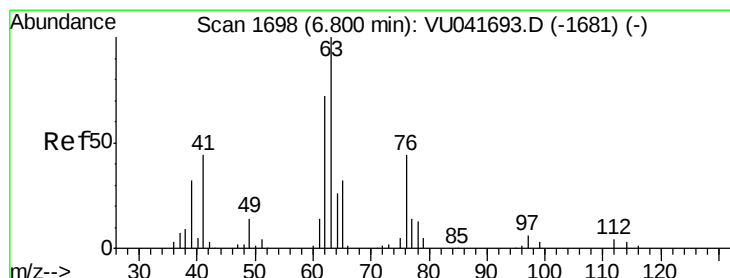
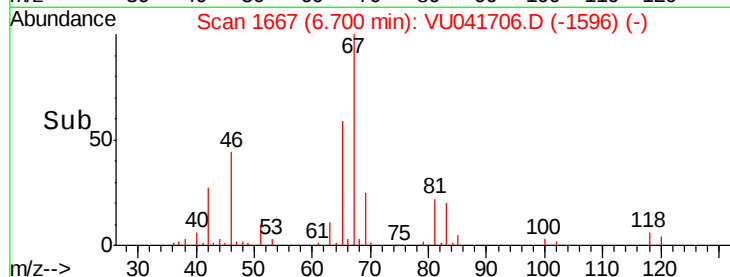
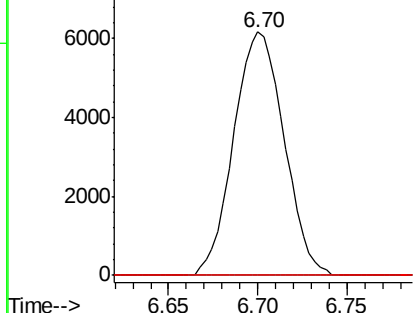
#35
Methvlcvclohexane
Concen: 0.790 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041706.D
Acq: 21 Dec 2020 17:29

Instrument :
MSVOA_U
ClientSampleId :
GB255

Tot Ion	83.15	Resp	12123
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	1.6	36.6	54.8#

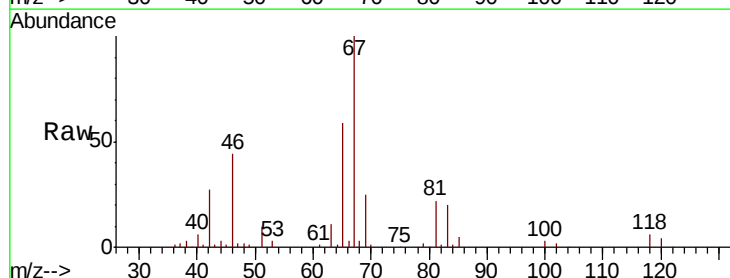


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

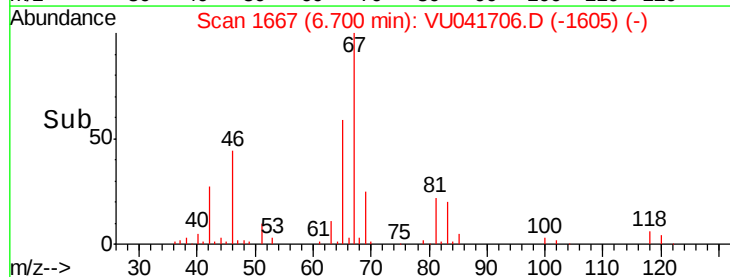
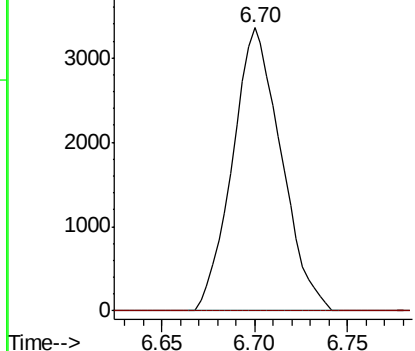


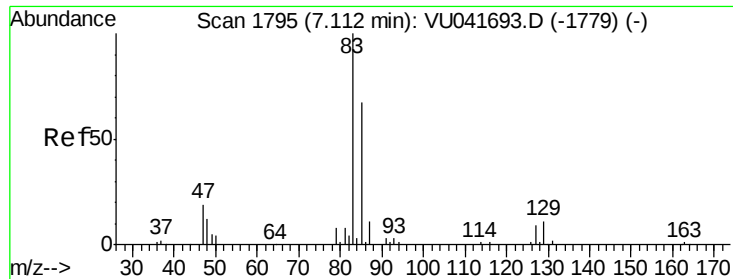
#37
1,2-Dichloropropane
Concen: 0.633 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041706.D
Acq: 21 Dec 2020 17:29

Tgt Ion	63	Resp	6118
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





#38

Bromodichloromethane

Concen: 0.046 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

GB255

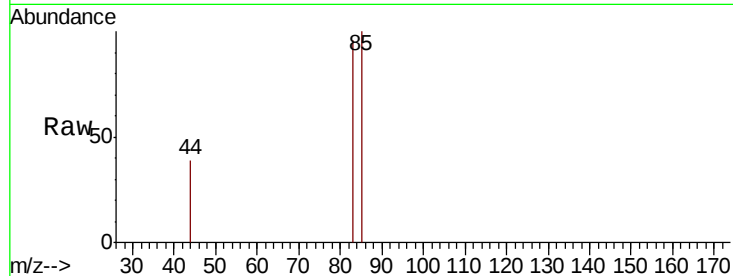
Tot Ion: 83 Resp: 552

Ion Ratio Lower Upper

83 100

85 103.7 45.5 84.5#

127 0.0 7.0 10.6#

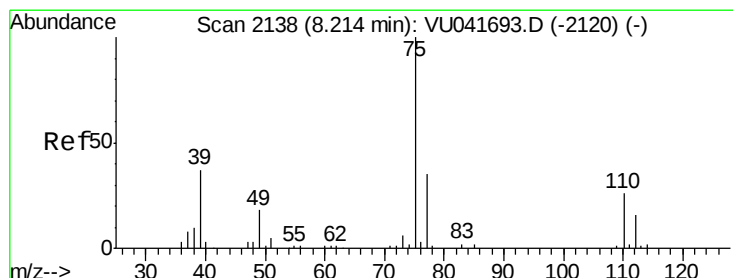
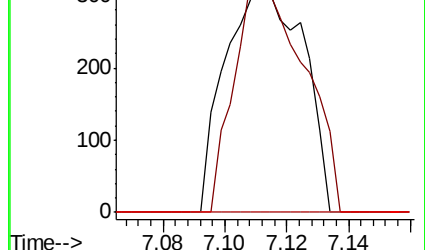
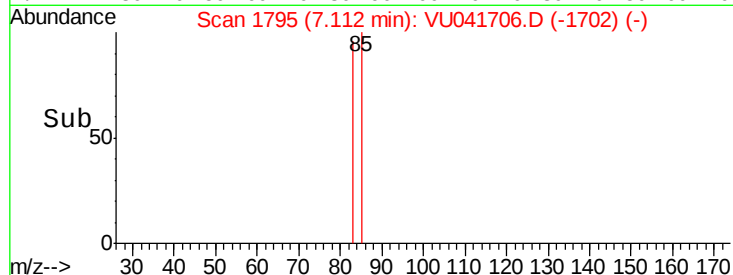


Abundance Ion 82.95 (82.65 to 83.65): VU041706.D (-1702) (-)

Ion 85.00 (84.70 to 85.70): VU041706.D (-1702) (-)

Ion 126.90 (126.60 to 127.60): VU041706.D (-1702) (-)

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041706.D

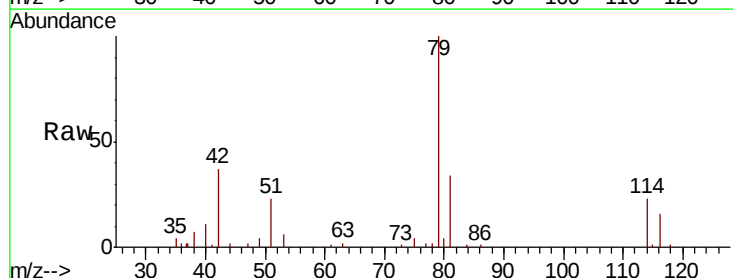
Acq: 21 Dec 2020 17:29

Tgt Ion: 75 Resp: 787

Ion Ratio Lower Upper

75 100

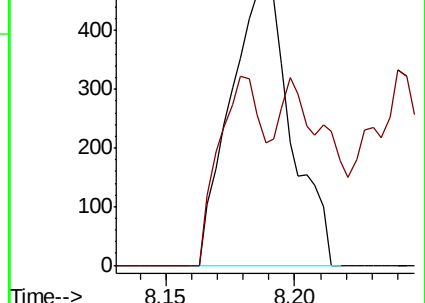
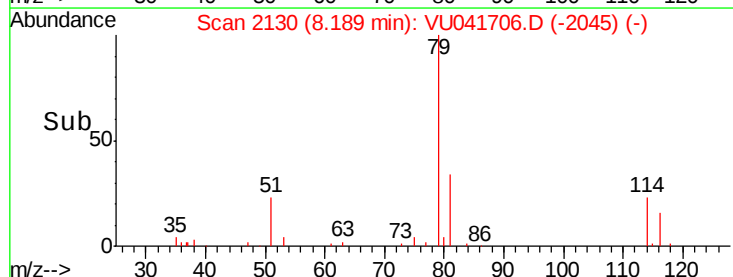
77 43.3 23.8 44.2

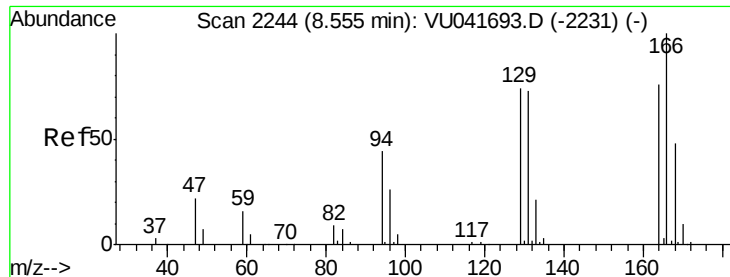


Abundance Ion 75.05 (74.75 to 75.75): VU041706.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041706.D (-2045) (-)

Time-->





#47

Tetrachloroethene

Concen: 0.266 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

GB255

Tot Ion:164 Resp: 1766

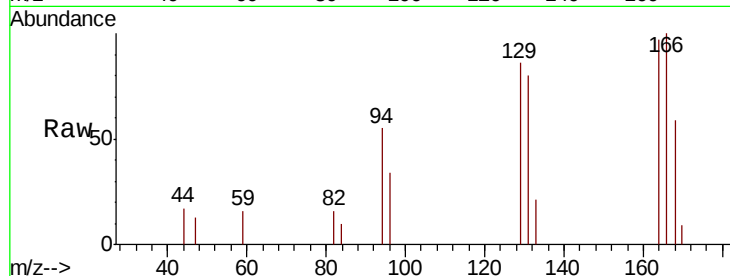
Ion Ratio Lower Upper

164 100

129 89.1 72.2 134.0

131 82.8 66.9 124.3

166 103.3 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): V

2000 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

1500

1000

500

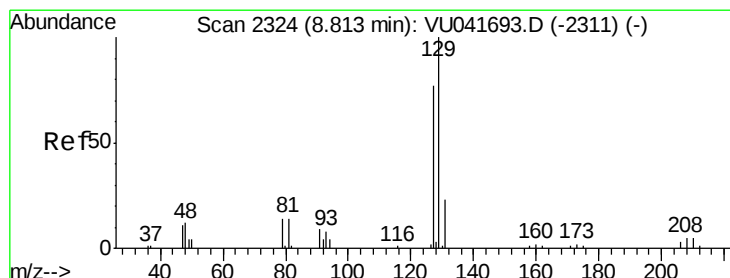
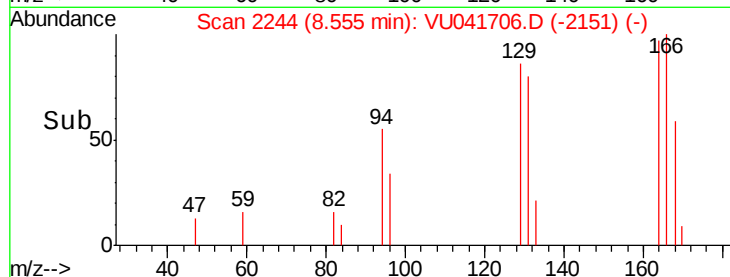
0

8.50

8.55

8.60

Time-->



#49

Dibromochloromethane

Concen: 0.228 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041706.D

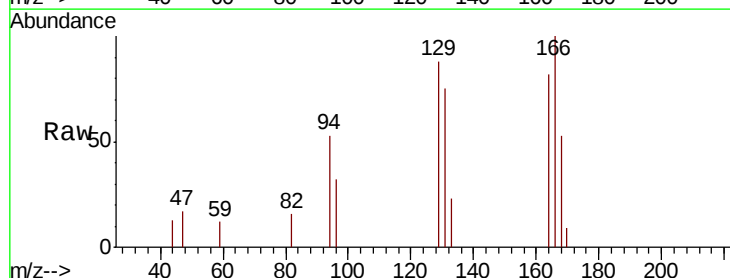
Acq: 21 Dec 2020 17:29

Tgt Ion:129 Resp: 1875

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

1200

1000

800

600

400

200

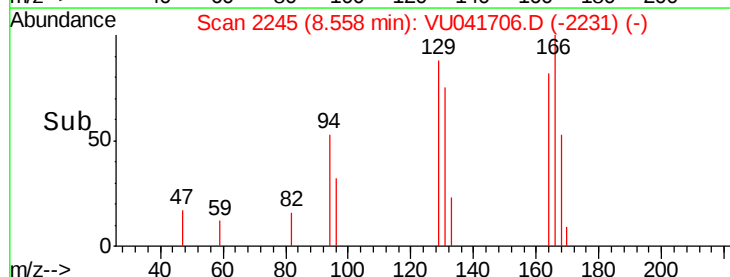
0

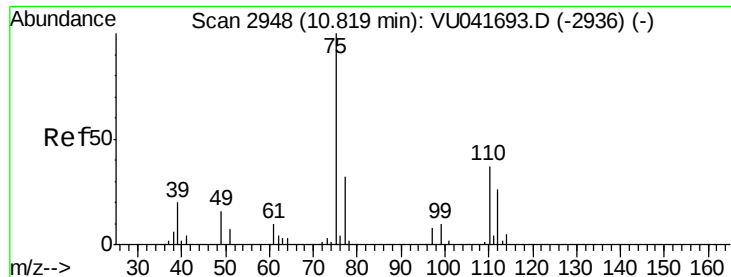
8.50

8.55

8.60

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.876 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

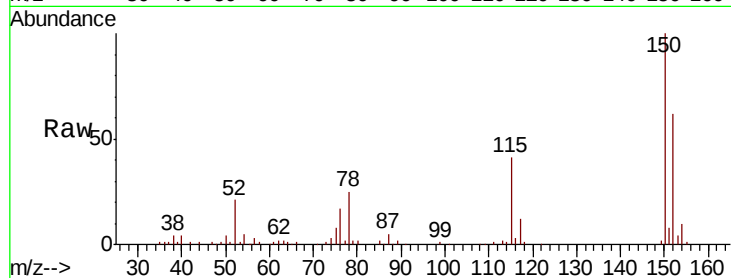
GB255

Tot Ion: 75 Resp: 6360

Ion Ratio Lower Upper

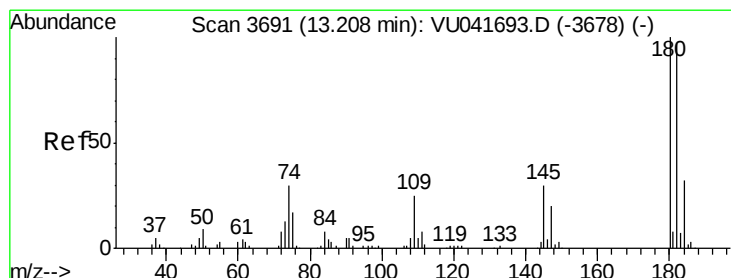
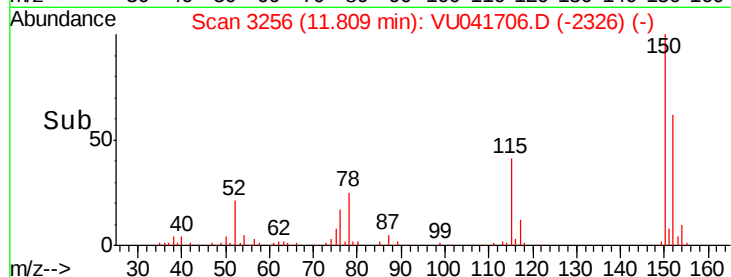
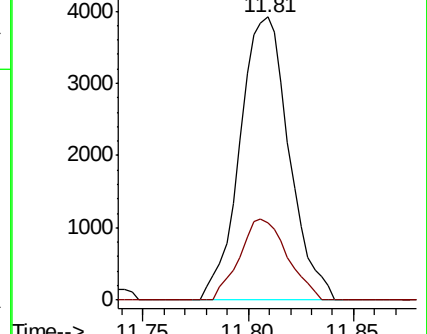
75 100

77 27.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041706.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VU041706.D (-3256) (-)



#67

1,3,5-Trichlorobenzene

Concen: 0.089 ug/L

RT: 13.20 min Scan# 3690

Delta R.T. -0.00 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Tgt Ion: 180 Resp: 1068

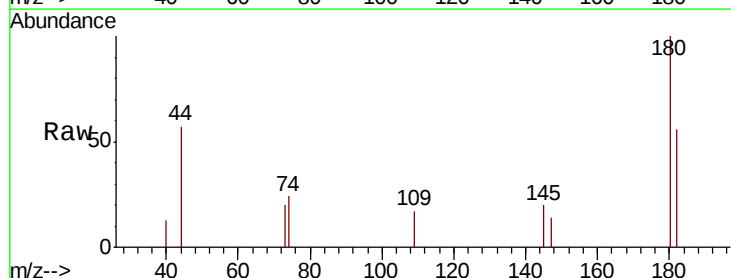
Ion Ratio Lower Upper

180 100

182 70.5 76.3 114.5#

184 9.5 24.1 36.1#

145 12.1 24.1 36.1#

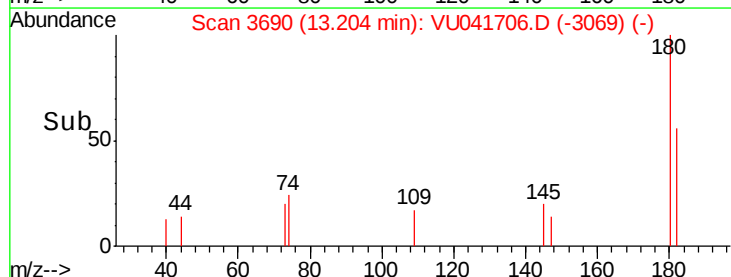
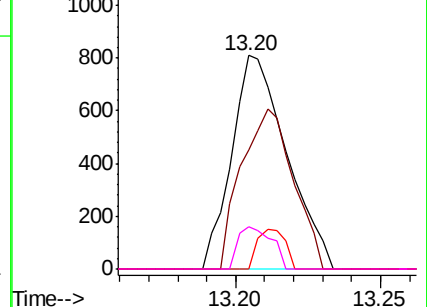


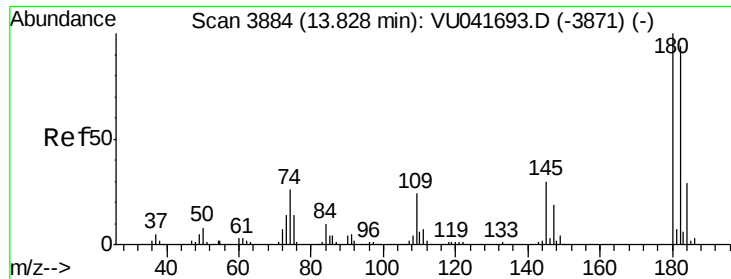
Abundance Ion 180.00 (179.70 to 180.70): VU041706.D (-3690) (-)

Ion 182.00 (181.70 to 182.70): VU041706.D (-3690) (-)

Ion 184.00 (183.70 to 184.70): VU041706.D (-3690) (-)

Ion 145.00 (144.70 to 145.70): VU041706.D (-3690) (-)





#68

1,2,4-trichlorobenzene

Concen: 0.114 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU041706.D

Acq: 21 Dec 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

GB255

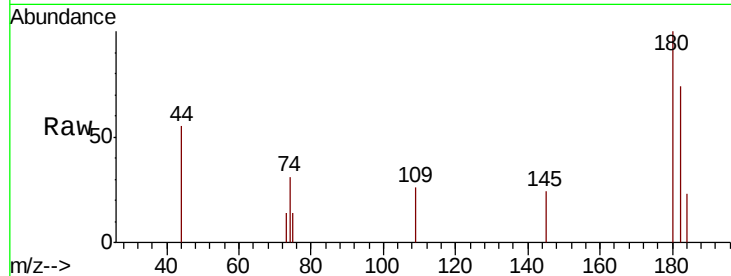
Tot Ion:180 Resp: 1148

Ion Ratio Lower Upper

180 100

182 73.4 75.4 113.0#

145 9.6 24.5 36.7#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

