

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041707.D
 Acq On : 21 Dec 2020 17:53
 Operator : SY/MD
 Sample : L5162-10MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB255MS

Quant Time: Dec 22 02:53:19 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	145615	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136859	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	62192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44943	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.92	69	45237	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.58	63	88953	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	4.65	46	179847	55.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.00%
24) Chloroform-d	5.08	84	93014	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	53220	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	170920	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.70	67	57251	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.90	98	148821	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	8.19	79	24752	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	157050	52.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55824	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	51940	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	570	0.048 ug/L #	68
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	605	0.060 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	49110	4.972 ug/L	91
13) Acetone	2.66	43	15648	7.523 ug/L	87
21) 2-Butanone	4.73	43	2806	0.828 ug/L	75
25) Chloroform	5.10	83	14164	0.737 ug/L	99
27) 1,2-Dichloroethane	5.79	62	2521	0.194 ug/L #	73
31) Carbon tetrachloride	5.54	117	1776192	130.698 ug/L	99
33) Benzene	5.79	78	214516	4.901 ug/L	100
34) Trichloroethene	6.55	95	53788	4.890 ug/L	98
35) Methylcyclohexane	6.70	83	13253	0.745 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6061	0.541 ug/L #	88
38) Bromodichloromethane	7.11	83	615	0.044 ug/L #	95
39) cis-1,3-Dichloropropene	7.57	75	1749	0.105 ug/L #	68
42) Toluene	7.97	91	238989	5.289 ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	961	0.065 ug/L #	29
47) Tetrachloroethene	8.56	164	1721	0.224 ug/L	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041707.D
Acq On : 21 Dec 2020 17:53
Operator : SY/MD
Sample : L5162-10MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GB255MS

Quant Time: Dec 22 02:53:19 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

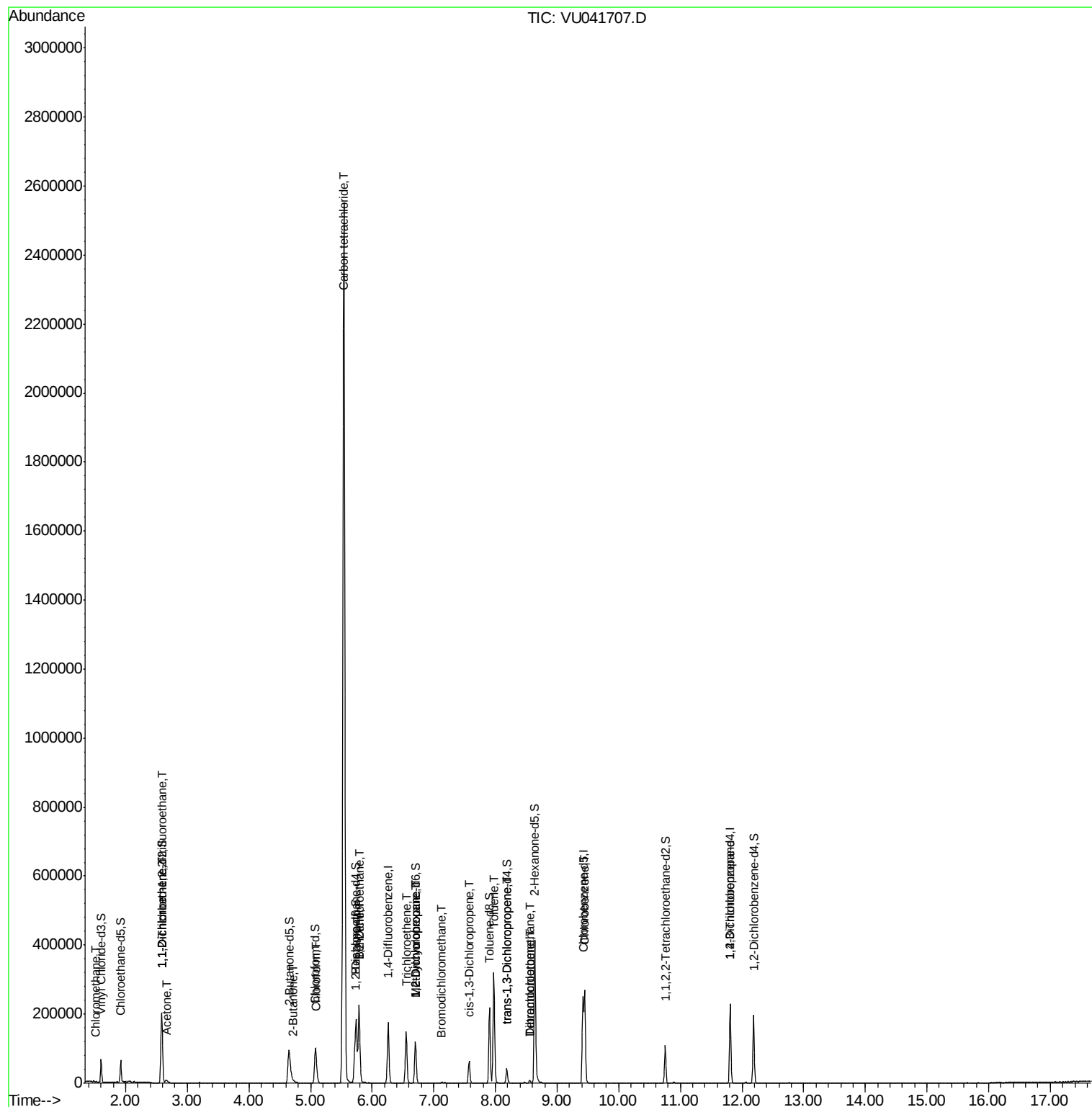
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	1765	0.186	ug/L #	10
51) Chlorobenzene	9.45	112	142438	5.071	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	7123	0.847	ug/L #	42

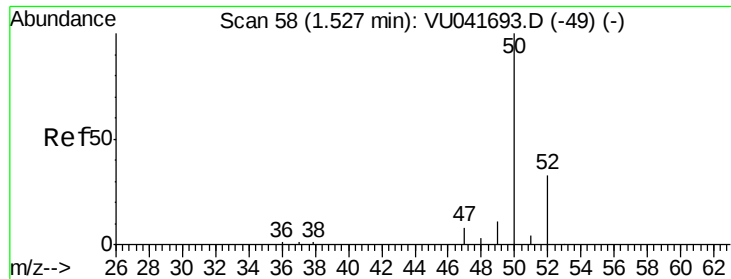
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041707.D
Acq On : 21 Dec 2020 17:53
Operator : SY/MD
Sample : L5162-10MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GB255MS

Quant Time: Dec 22 02:53:19 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

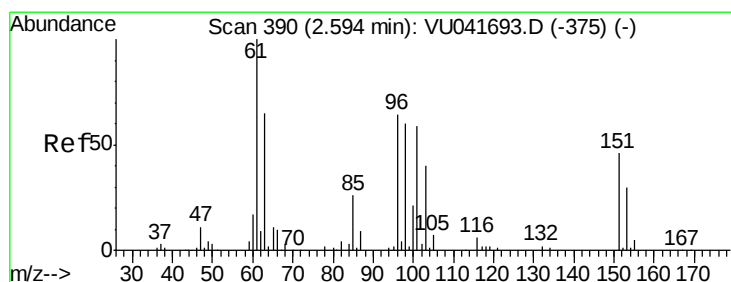
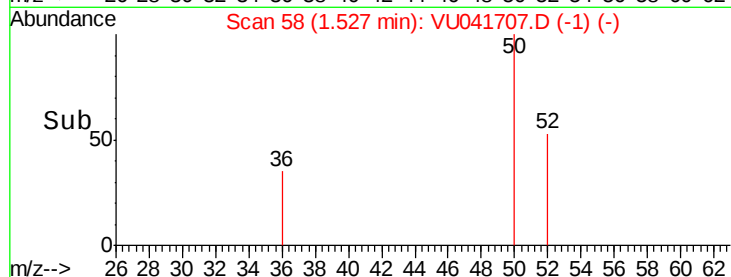
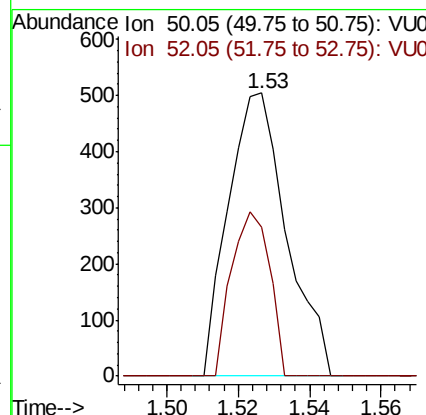
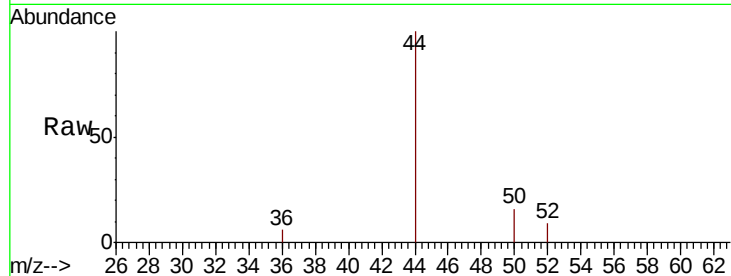




#3
Chloromethane
Concen: 0.048 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.00 min
Lab File: VU041707.D
Acq: 21 Dec 2020 17:53

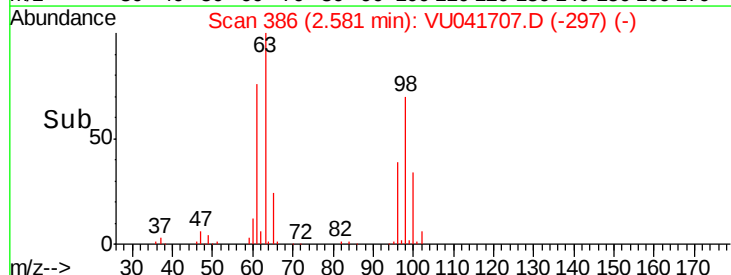
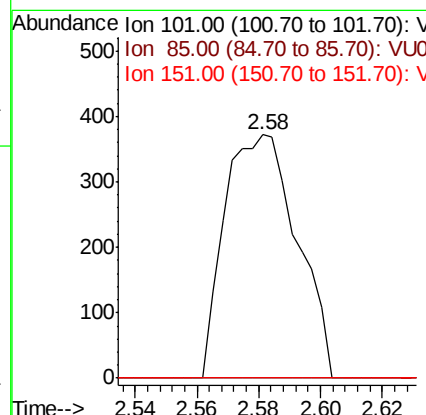
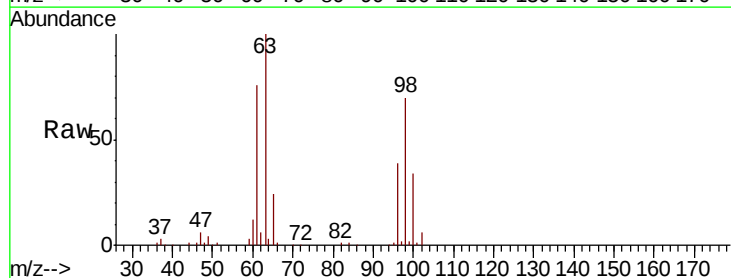
Instrument :
MSVOA_U
ClientSampleId :
GB255MS

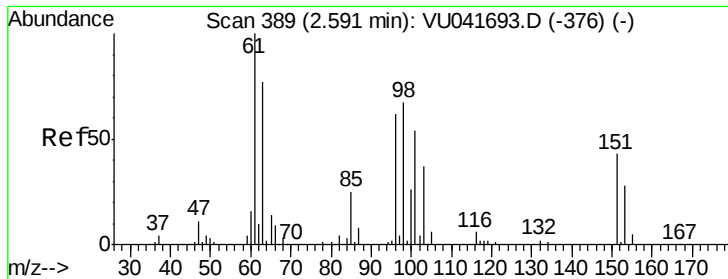
Tot Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 52.8 24.1 44.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.060 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041707.D
Acq: 21 Dec 2020 17:53

Tgt Ion:101 Resp: 605
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#

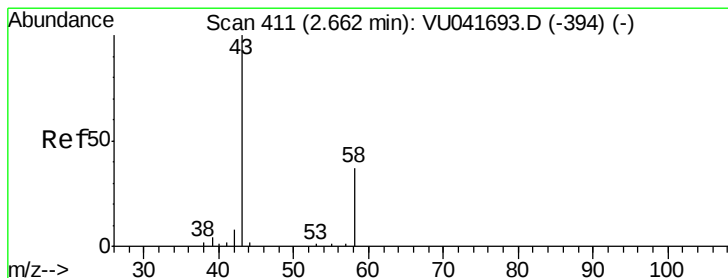
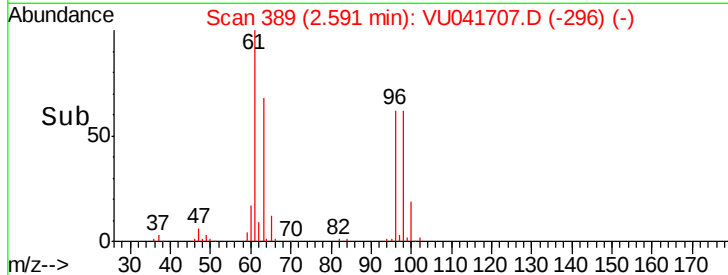
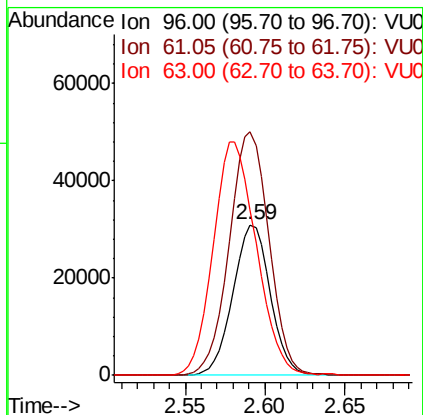
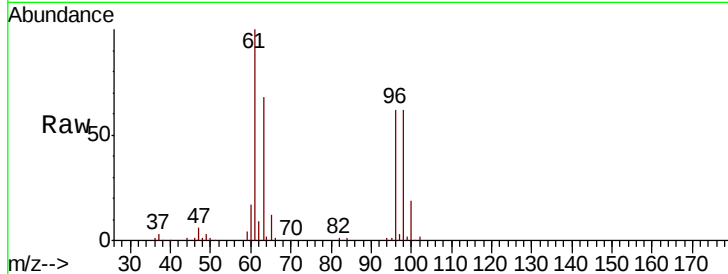




#12
 1,1-Dichloroethene
 Concen: 4.972 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU041707.D
 Acq: 21 Dec 2020 17:53

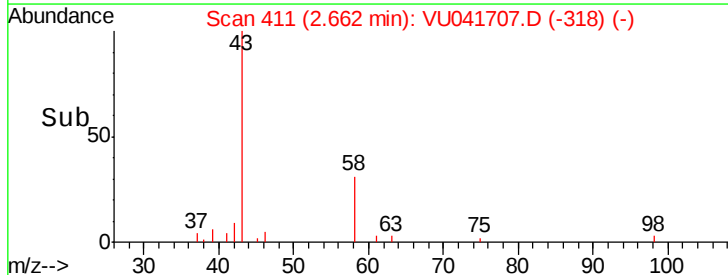
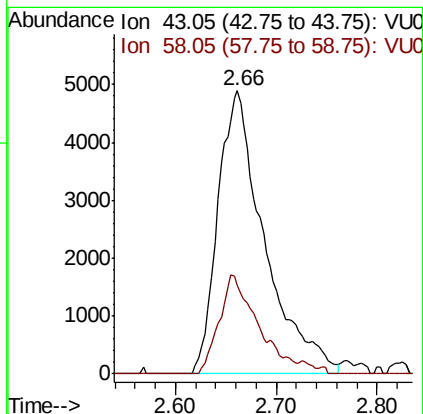
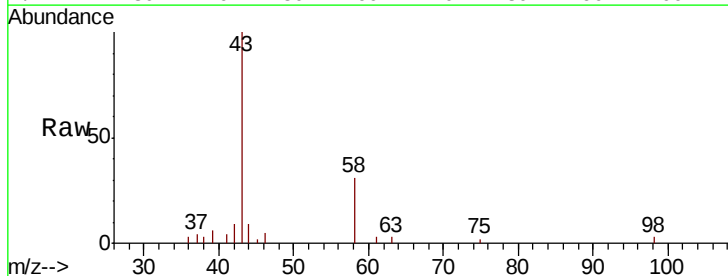
Instrument :
 MSVOA_U
 ClientSampleId :
 GB255MS

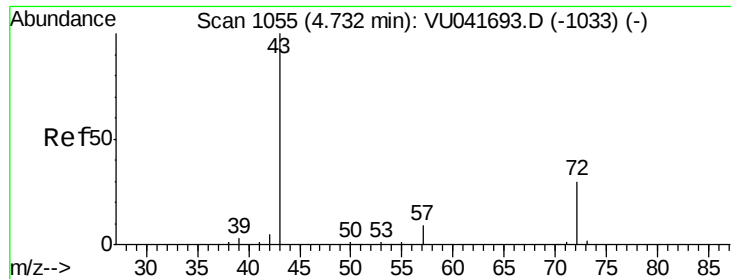
Tot Ion: 96 Resp: 49110
 Ion Ratio Lower Upper
 96 100
 61 161.9 123.8 230.0
 63 110.1 81.0 150.4



#13
 Acetone
 Concen: 7.523 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VU041707.D
 Acq: 21 Dec 2020 17:53

Tgt Ion: 43 Resp: 15648
 Ion Ratio Lower Upper
 43 100
 58 28.9 0.0 73.2

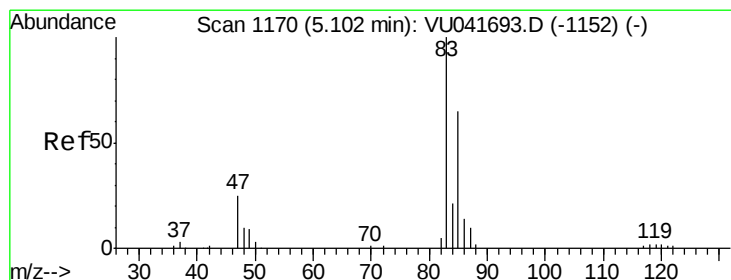
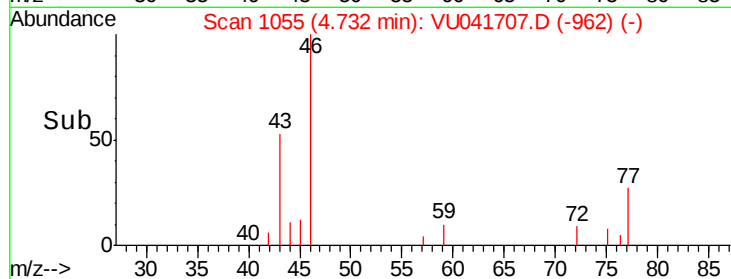
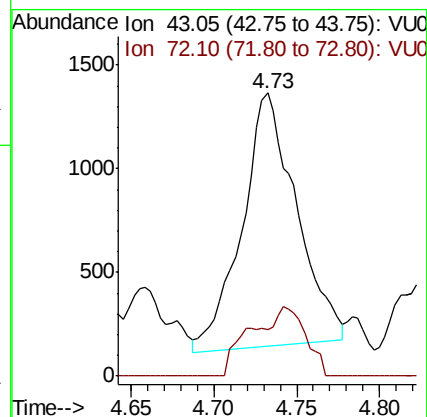
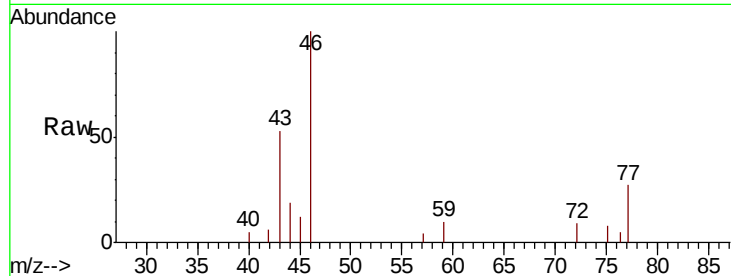




#21
2-Butanone
Concen: 0.828 ug/L
RT: 4.73 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VU041707.D
Acq: 21 Dec 2020 17:53

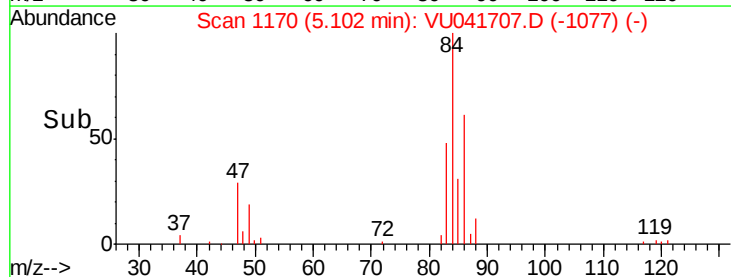
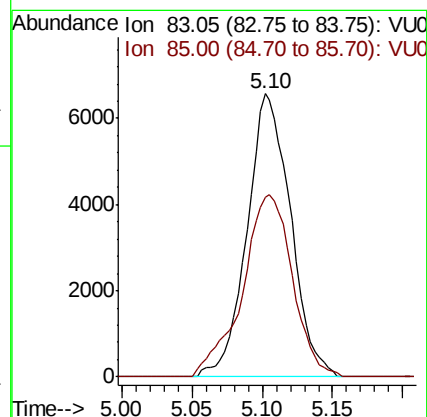
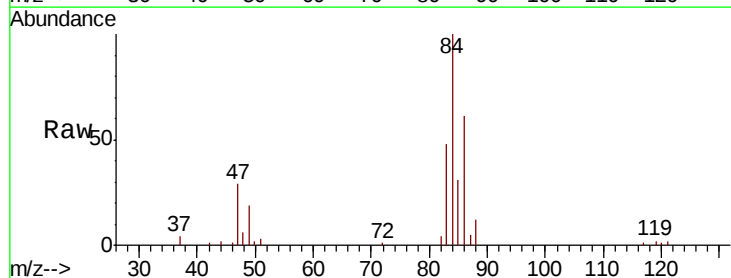
Instrument :
MSVOA_U
ClientSampled :
GB255MS

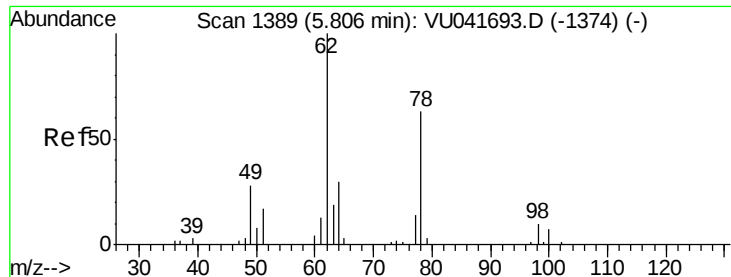
Tot Ion: 43 Resp: 2806
Ion Ratio Lower Upper
43 100
72 16.1 14.6 44.0



#25
Chloroform
Concen: 0.737 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041707.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 83 Resp: 14164
Ion Ratio Lower Upper
83 100
85 63.6 44.2 82.0





#27

1,2-Dichloroethane

Concen: 0.194 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

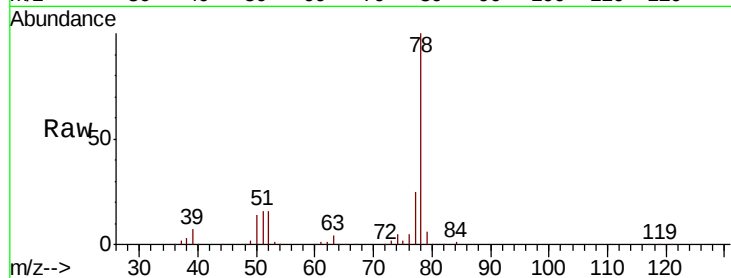
GB255MS

Tot Ion: 62 Resp: 2521

Ion Ratio Lower Upper

62 100

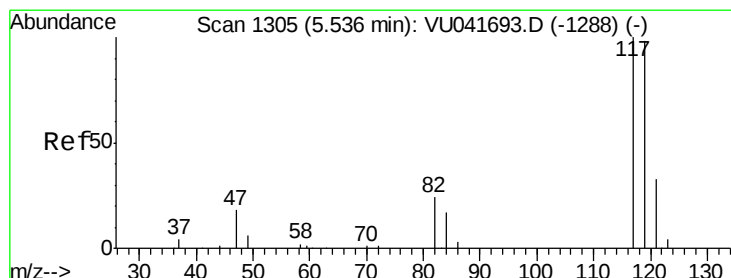
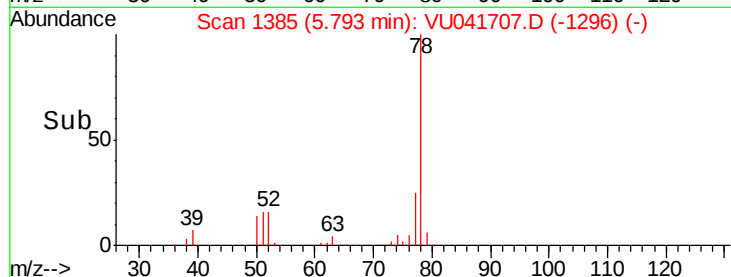
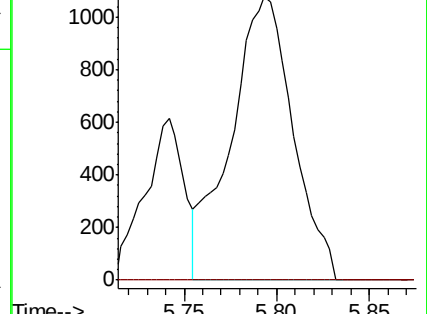
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU041693.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU041693.D (-1374) (-)

5.79



#31

Carbon tetrachloride

Concen: 130.698 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU041707.D

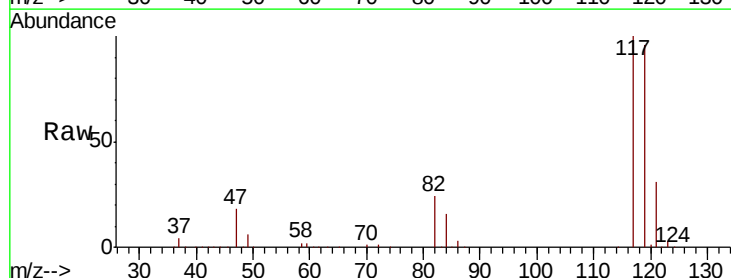
Acq: 21 Dec 2020 17:53

Tgt Ion: 117 Resp: 1776192

Ion Ratio Lower Upper

117 100

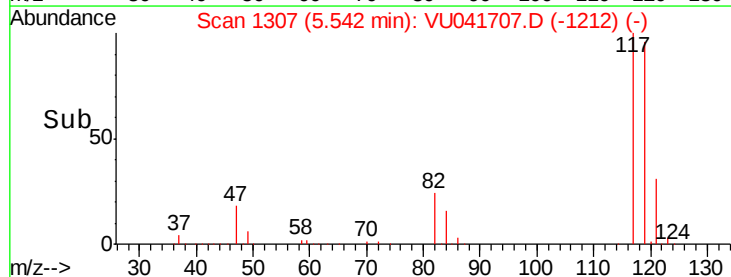
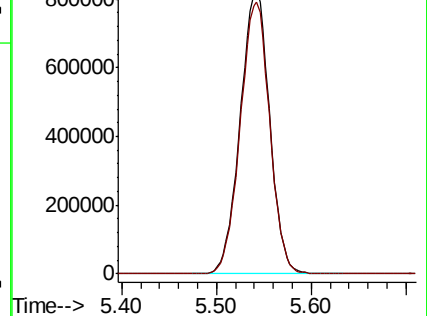
119 96.4 76.2 114.2

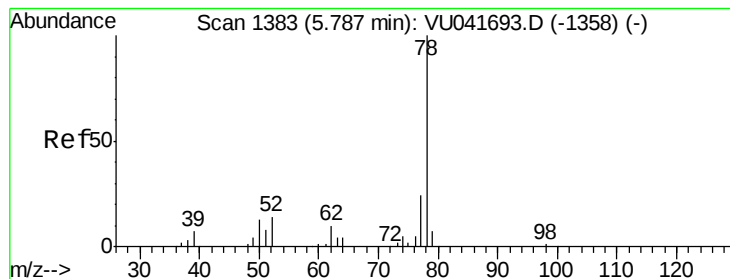


Abundance Ion 116.90 (116.60 to 117.60): VU041693.D (-1288) (-)

Ion 118.90 (118.60 to 119.60): VU041693.D (-1288) (-)

5.54





#33

Benzene

Concen: 4.901 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

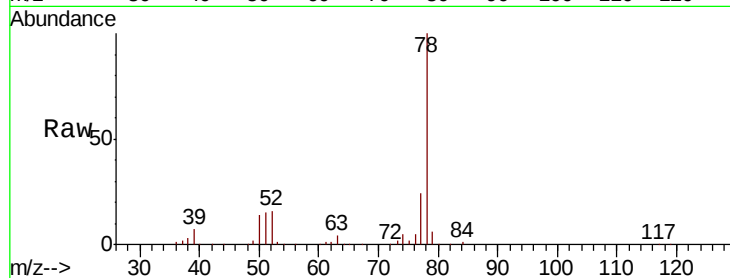
Instrument :

MSVOA_U

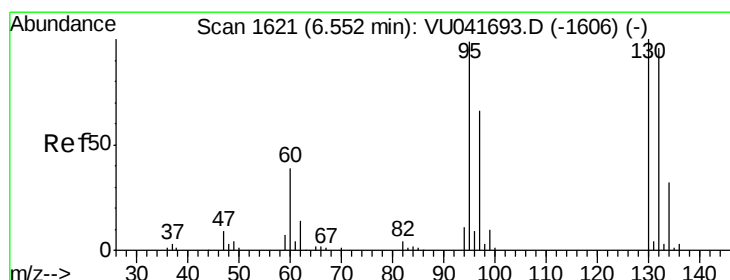
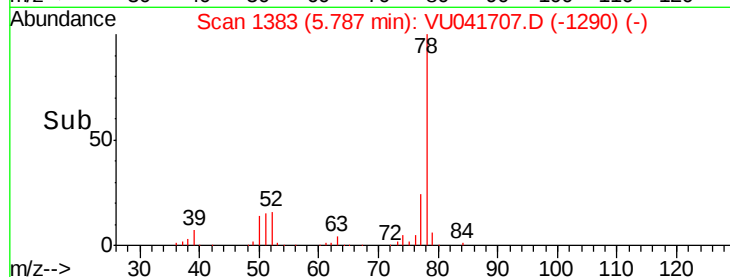
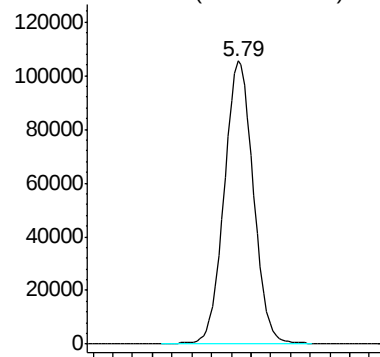
ClientSampleId :

GB255MS

Tgt Ion: 78 Resp: 214516



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.890 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

Tgt Ion: 95 Resp: 53788

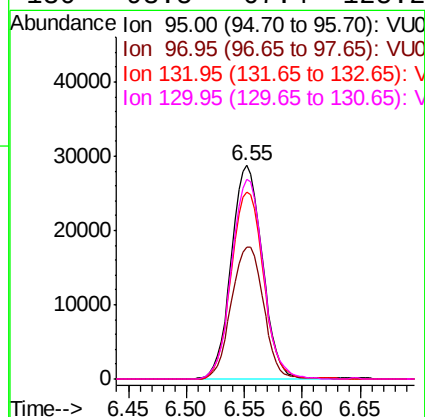
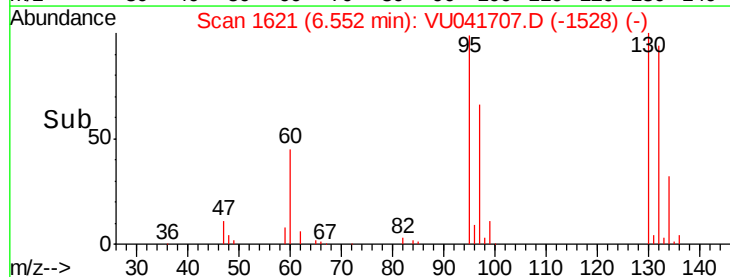
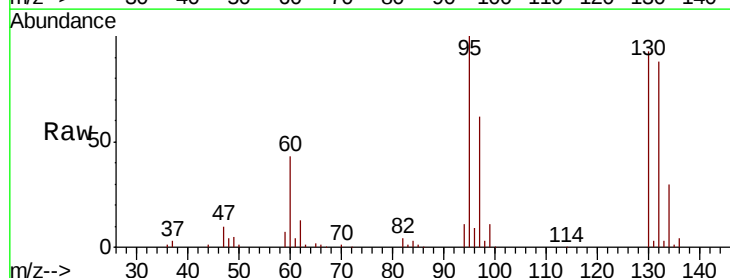
Ion	Ratio	Lower	Upper
95	100		
97	61.6	43.9	81.5
132	87.5	63.1	117.3
130	93.5	67.4	125.2

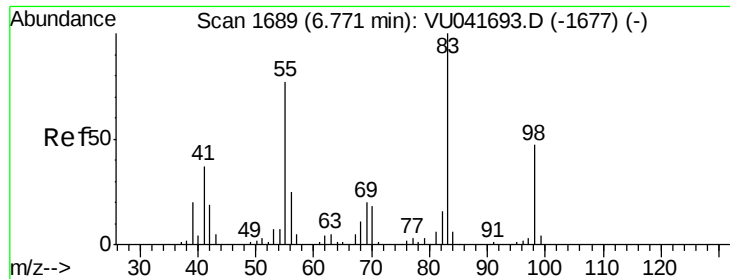
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

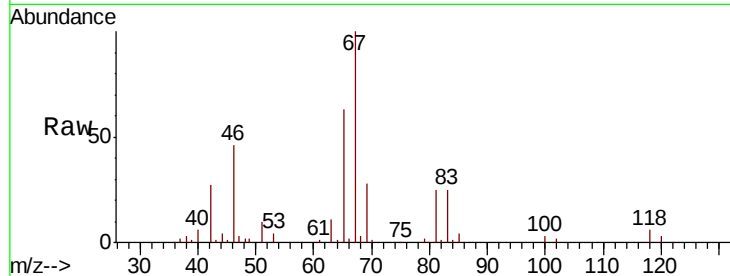




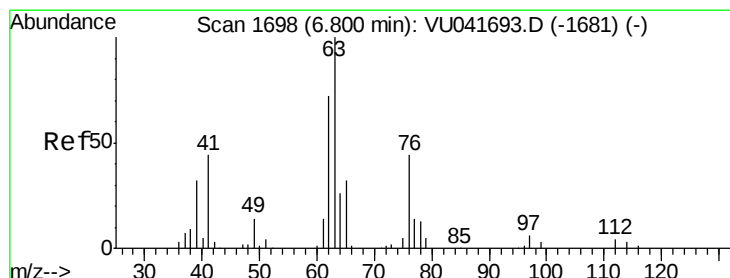
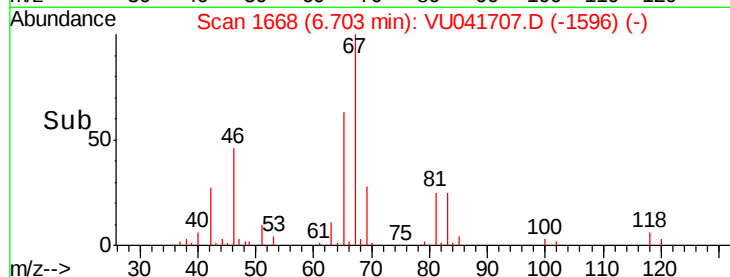
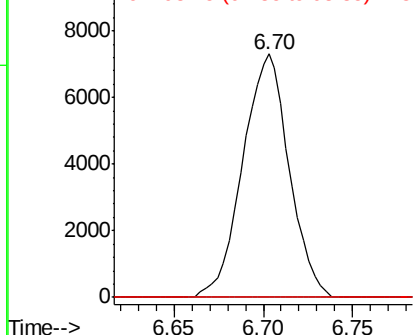
#35
Methvlcvclohexane
Concen: 0.745 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041707.D
Acq: 21 Dec 2020 17:53

Instrument :
MSVOA_U
ClientSampleId :
GB255MS

Tot Ion	83.15	Resp	13253
Ion Ratio	Lower	Upper	
83	100		
55	0.0	61.2	91.8#
98	0.0	36.6	54.8#

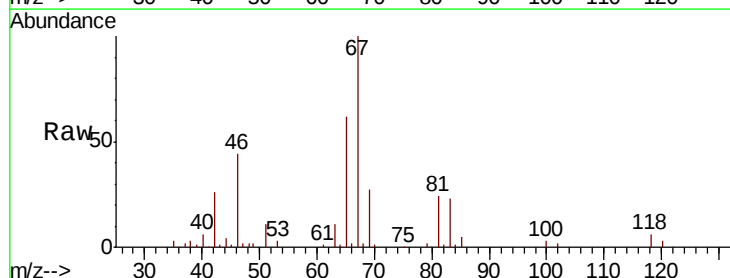


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

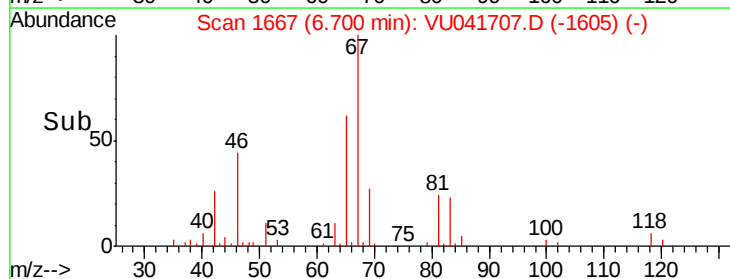
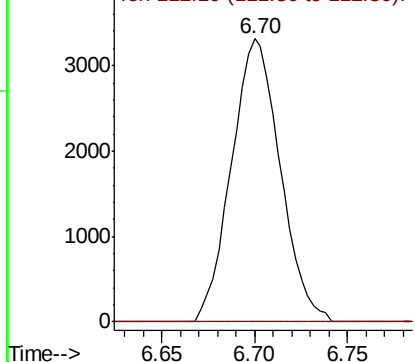


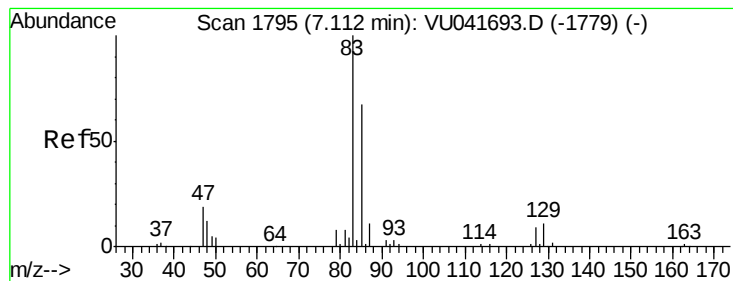
#37
1,2-Dichloropropane
Concen: 0.541 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041707.D
Acq: 21 Dec 2020 17:53

Tgt Ion	63	Resp	6061
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: 0.044 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

GB255MS

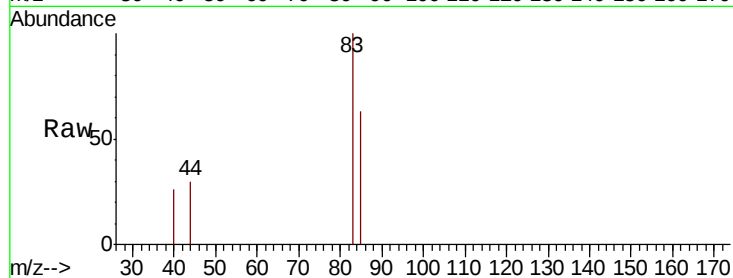
Tot Ion: 83 Resp: 615

Ion Ratio Lower Upper

83 100

85 63.1 45.5 84.5

127 0.0 7.0 10.6#

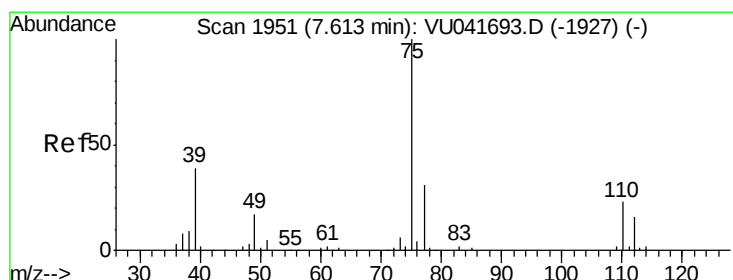
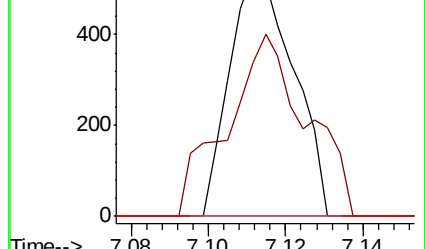
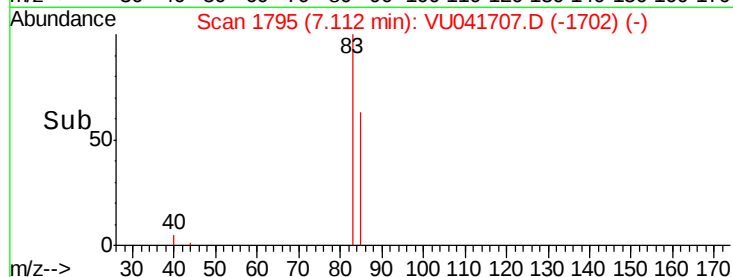


Abundance Ion 82.95 (82.65 to 83.65): VU041707.D (-1779) (-)

Ion 85.00 (84.70 to 85.70): VU041707.D (-1779) (-)

Ion 126.90 (126.60 to 127.60): VU041707.D (-1779) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041707.D

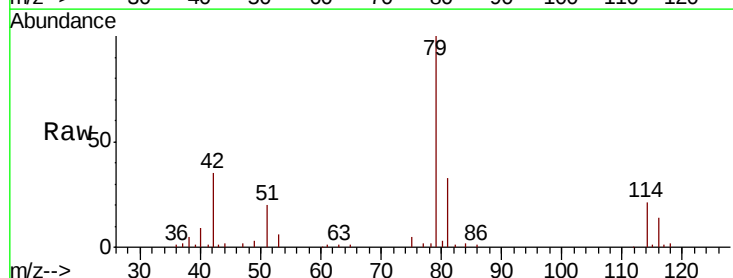
Acq: 21 Dec 2020 17:53

Tgt Ion: 75 Resp: 1749

Ion Ratio Lower Upper

75 100

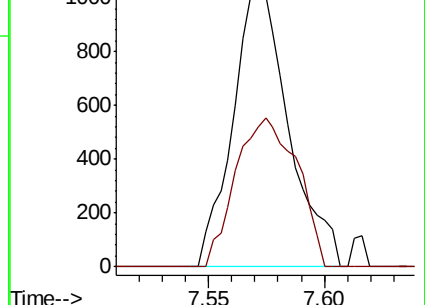
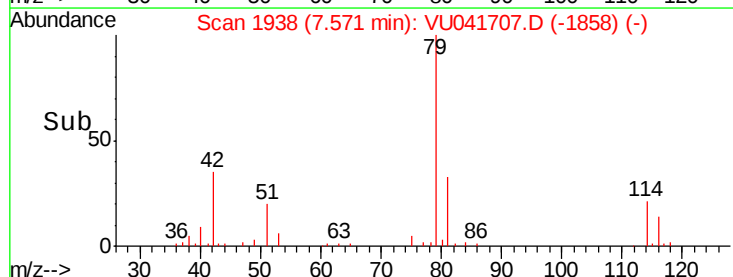
77 49.3 22.3 41.3#

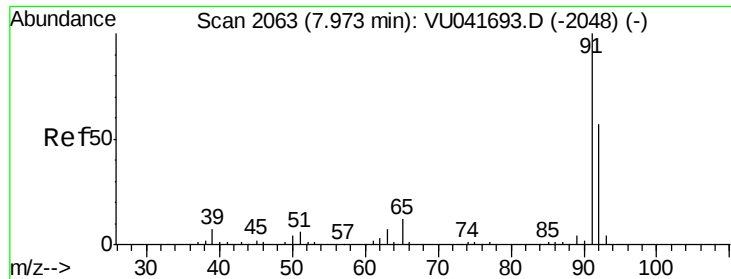


Abundance Ion 75.05 (74.75 to 75.75): VU041707.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041707.D (-1858) (-)

Time-->





#42

Toluene

Concen: 5.289 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

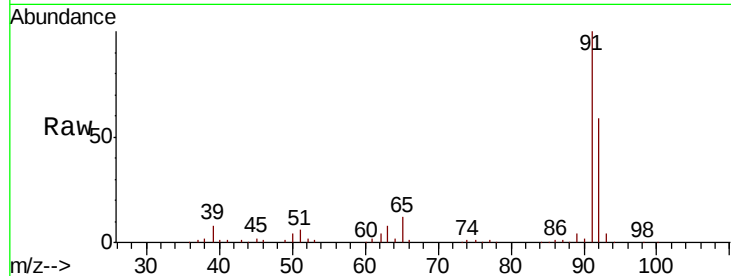
GB255MS

Tot Ion: 91 Resp: 238989

Ion Ratio Lower Upper

91 100

92 58.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041707.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041707.D (-1970) (-)

7.97

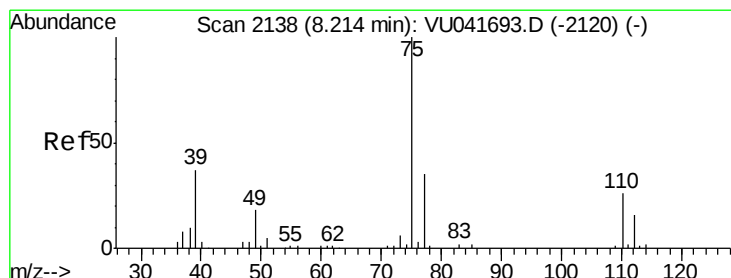
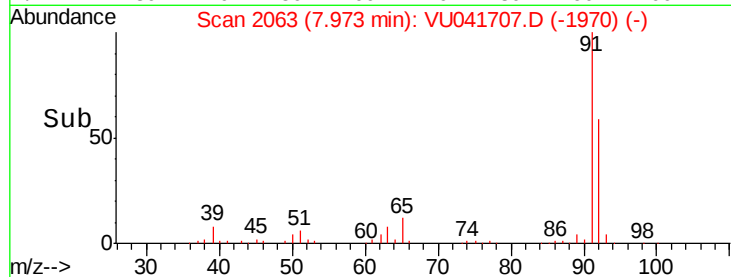
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041707.D

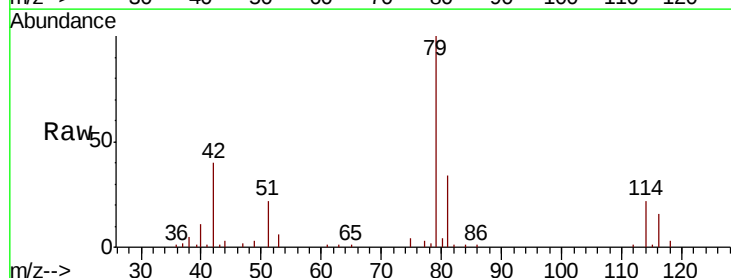
Acq: 21 Dec 2020 17:53

Tgt Ion: 75 Resp: 961

Ion Ratio Lower Upper

75 100

77 74.5 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041707.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041707.D (-2045) (-)

8.18

600

500

400

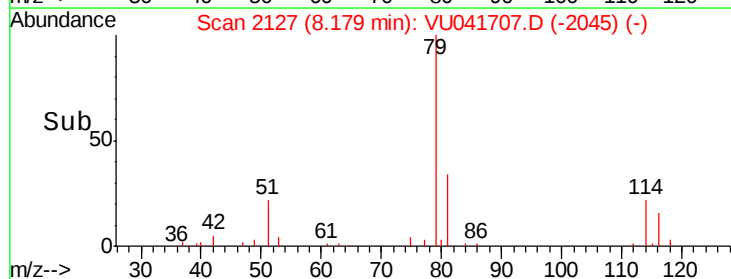
300

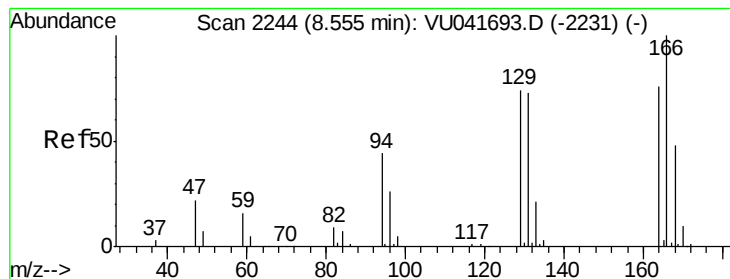
200

100

0

Time-->





#47

Tetrachloroethene

Concen: 0.224 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

GB255MS

Tot Ion:164 Resp: 1721

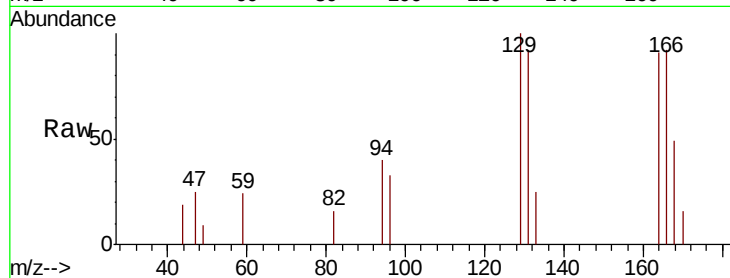
Ion Ratio Lower Upper

164 100

129 110.3 72.2 134.0

131 101.0 66.9 124.3

166 101.9 89.6 166.4

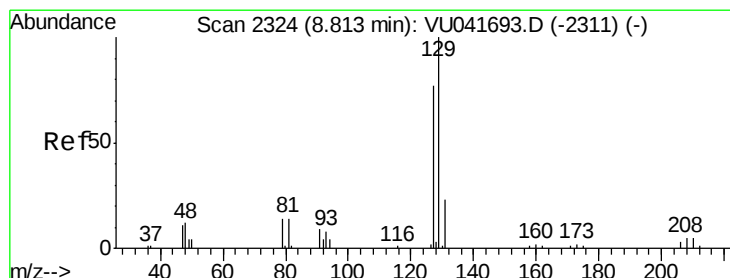
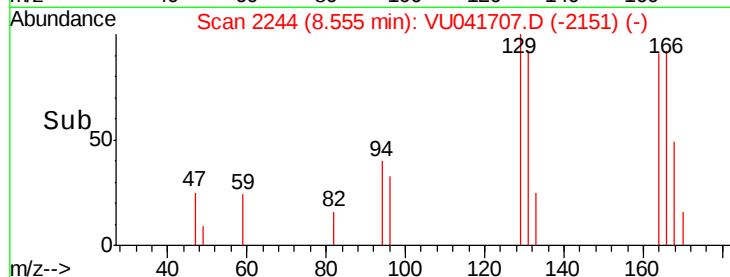
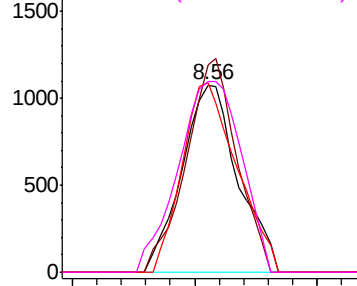


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.186 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041707.D

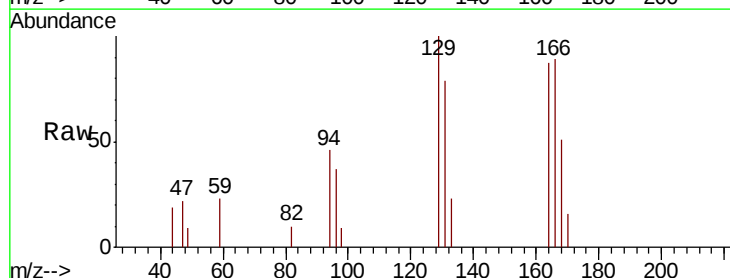
Acq: 21 Dec 2020 17:53

Tgt Ion:129 Resp: 1765

Ion Ratio Lower Upper

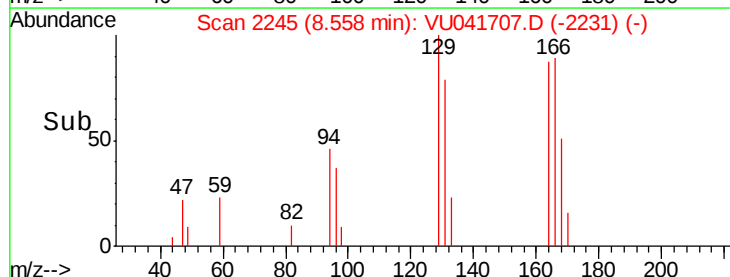
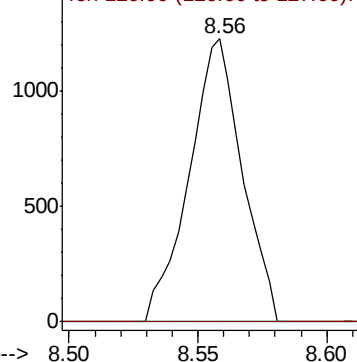
129 100

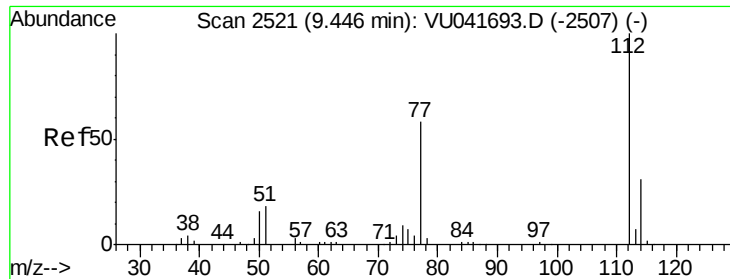
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 5.071 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041707.D

Acq: 21 Dec 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

GB255MS

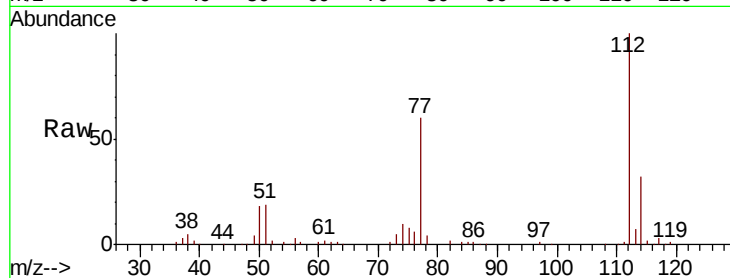
Tot Ion:112 Resp: 142438

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

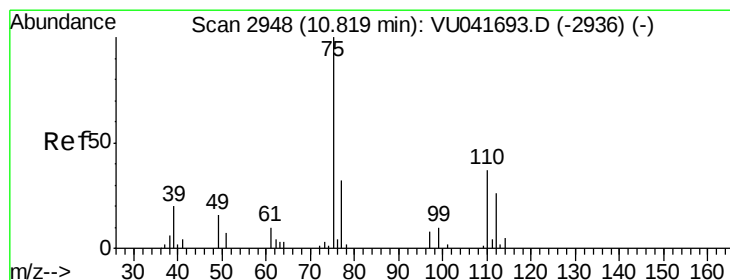
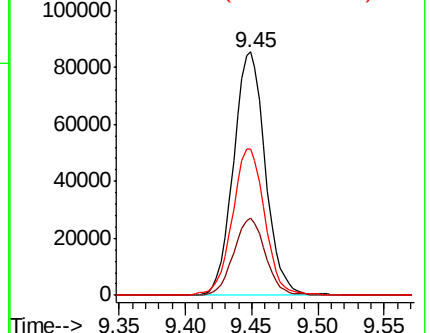
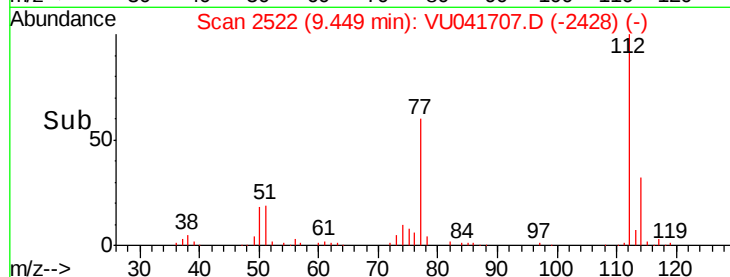
77 60.2 49.1 73.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.847 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041707.D

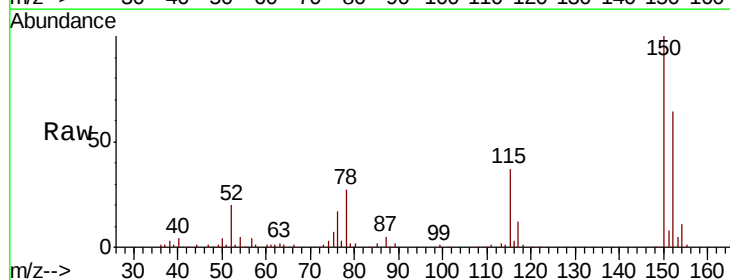
Acq: 21 Dec 2020 17:53

Tgt Ion: 75 Resp: 7123

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

