

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041720.D
 Acq On : 22 Dec 2020 00:55
 Operator : SY/MD
 Sample : L5161-02MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB228MS

Quant Time: Dec 22 06:03:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 05:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	136013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132128	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57417	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38804	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.92	69	37068	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.58	63	80408	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.20%
20) 2-Butanone-d5	4.65	46	178514	58.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.88%
24) Chloroform-d	5.08	84	86601	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.72	65	53249	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	179863	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	61539	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.90	98	159044	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.19	79	27104	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.64	63	176758	60.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54568	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	54774	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	488	0.044	ug/L 88
12) 1,1-Dichloroethene	2.59	96	44507	4.824	ug/L 95
13) Acetone	2.66	43	2309	1.188	ug/L 90
25) Chloroform	5.11	83	20535	1.143	ug/L 97
27) 1,2-Dichloroethane	5.79	62	2460	0.202	ug/L # 73
31) Carbon tetrachloride	5.54	117	17258	1.315	ug/L 96
33) Benzene	5.79	78	226727	5.365	ug/L 100
34) Trichloroethene	6.56	95	57509	5.416	ug/L 96
35) Methylcyclohexane	6.70	83	13986	0.815	ug/L # 18
37) 1,2-Dichloropropane	6.70	63	5720	0.529	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1370	0.086	ug/L # 34
42) Toluene	7.97	91	238720	5.472	ug/L 100
44) trans-1,3-Dichloropropene	8.19	75	988	0.069	ug/L 100
47) Tetrachloroethene	8.56	164	1448	0.195	ug/L 85
48) 2-Hexanone	8.64	43	20174	3.604	ug/L # 64
49) Dibromochloromethane	8.56	129	1601	0.174	ug/L # 10
51) Chlorobenzene	9.45	112	150916	5.565	ug/L 99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 05:59:09 2020
Response via : Initial Calibration

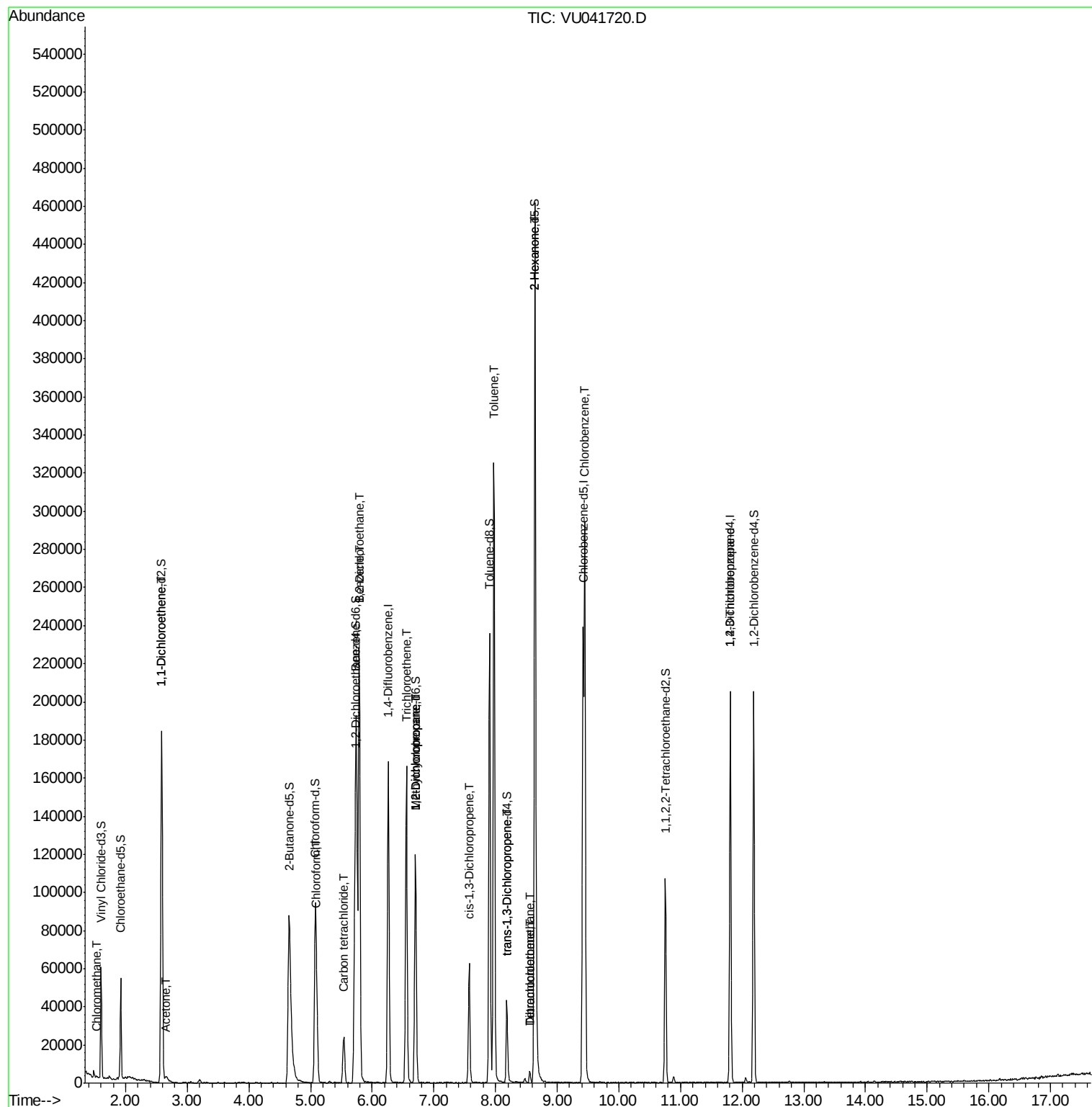
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6520	0.803	ug/L #	42

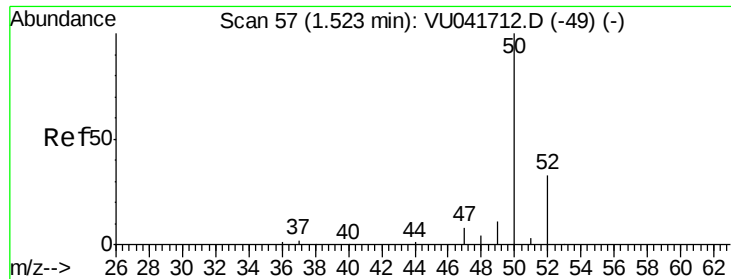
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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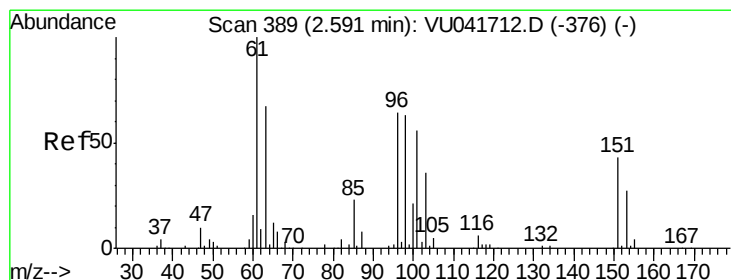
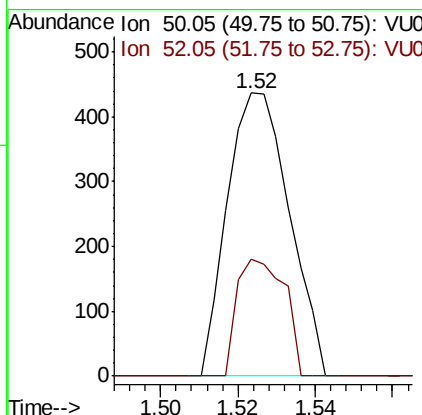
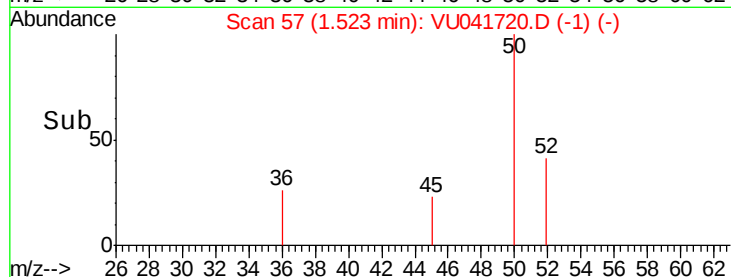
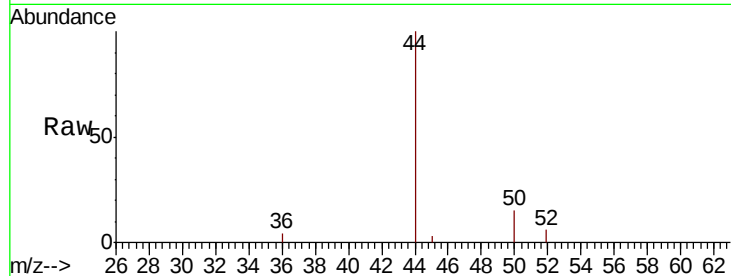




#3
 Chloromethane
 Concen: 0.044 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041720.D
 Acq: 22 Dec 2020 00:55

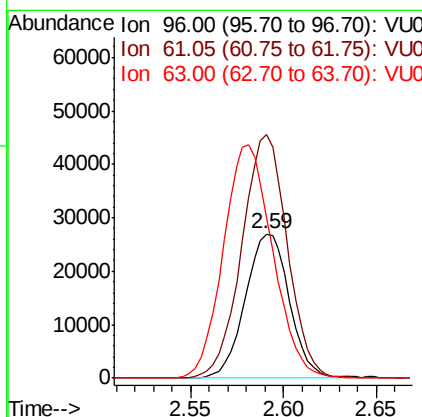
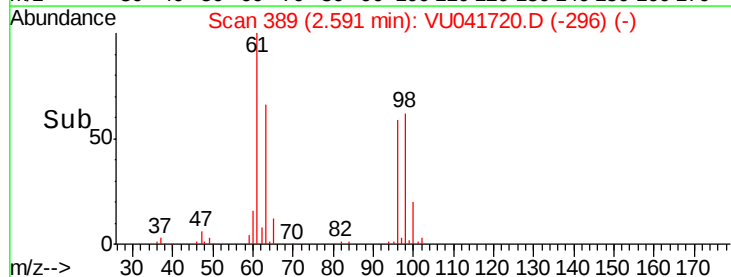
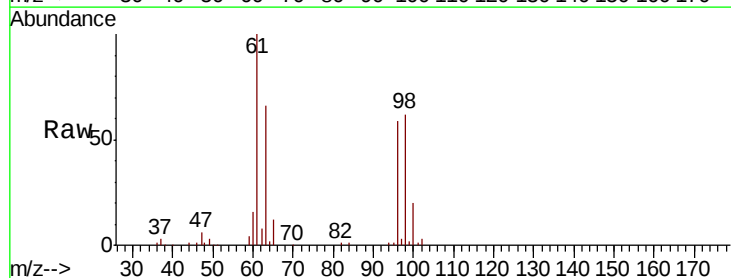
Instrument :
 MSVOA_U
 ClientSampleId :
 GB228MS

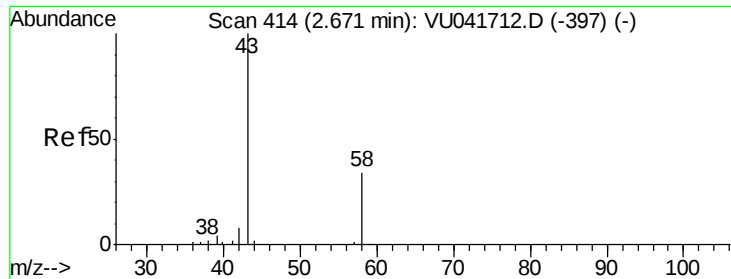
Tot Ion: 50 Resp: 488
 Ion Ratio Lower Upper
 50 100
 52 41.4 24.1 44.8



#12
 1,1-Dichloroethene
 Concen: 4.824 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041720.D
 Acq: 22 Dec 2020 00:55

Tgt Ion: 96 Resp: 44507
 Ion Ratio Lower Upper
 96 100
 61 169.0 123.8 230.0
 63 111.8 81.0 150.4





#13

Acetone

Concen: 1.188 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041720.D

Acq: 22 Dec 2020 00:55

Instrument :

MSVOA_U

ClientSampleId :

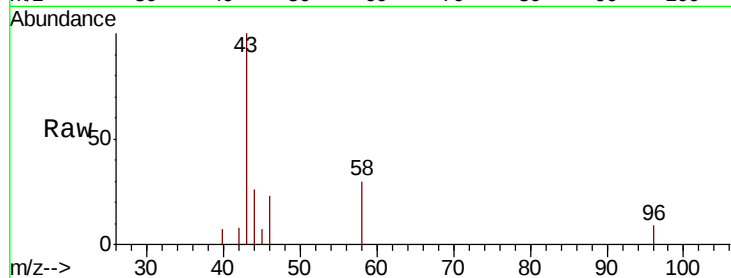
GB228MS

Tot Ion: 43 Resp: 2309

Ion Ratio Lower Upper

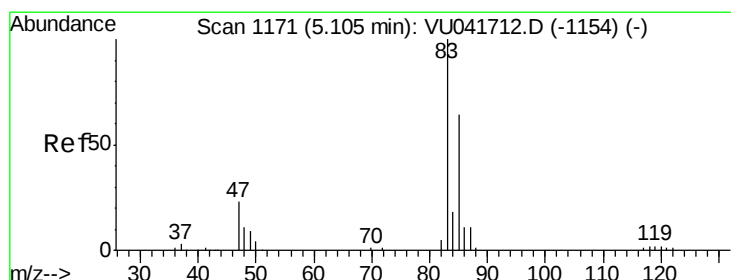
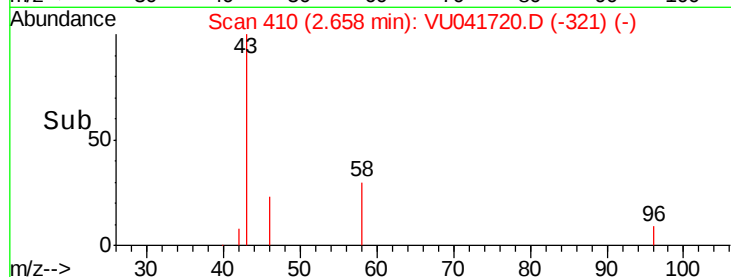
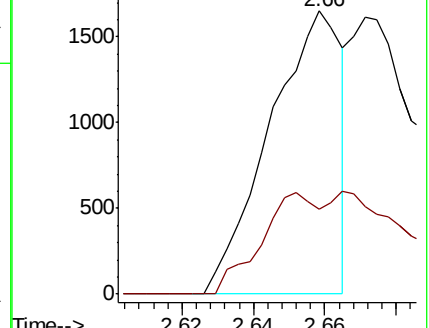
43 100

58 42.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041720.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU041720.D (-397) (-)



#25

Chloroform

Concen: 1.143 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041720.D

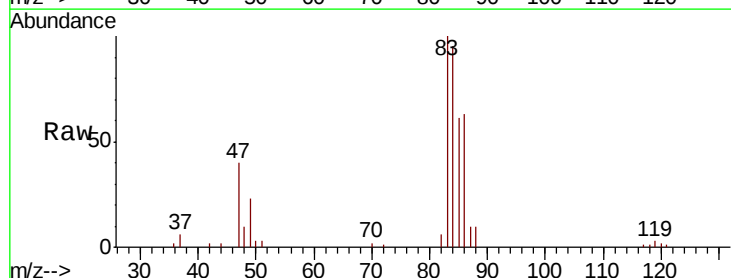
Acq: 22 Dec 2020 00:55

Tgt Ion: 83 Resp: 20535

Ion Ratio Lower Upper

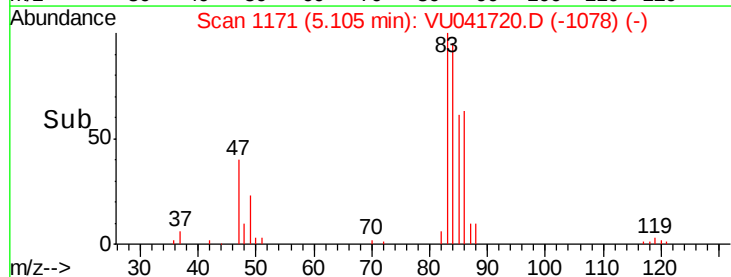
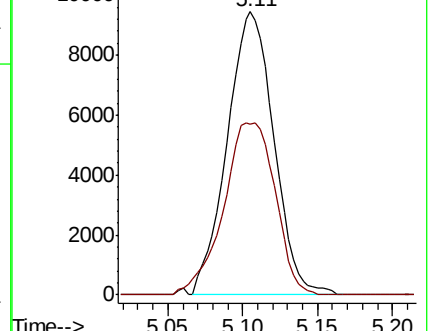
83 100

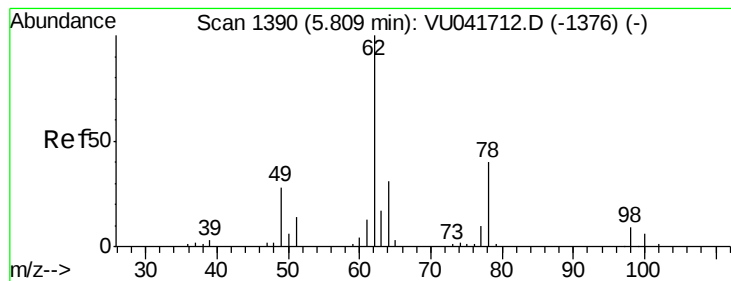
85 60.5 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041720.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041720.D (-1078) (-)





#27

1,2-Dichloroethane

Concen: 0.202 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.02 min

Lab File: VU041720.D

Acq: 22 Dec 2020 00:55

Instrument :

MSVOA_U

ClientSampleId :

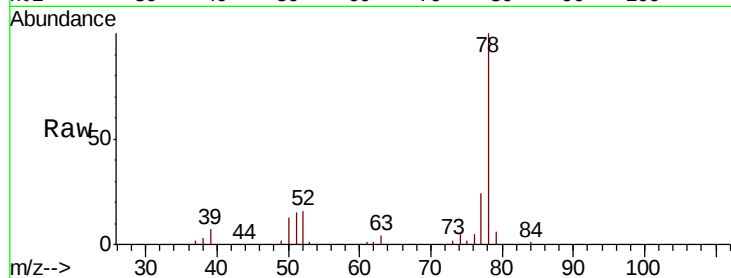
GB228MS

Tot Ion: 62 Resp: 2460

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU041720.D (-1376) (-)

Ion 98.05 (97.75 to 98.75): VU041720.D (-1376) (-)

5.79

800

600

400

200

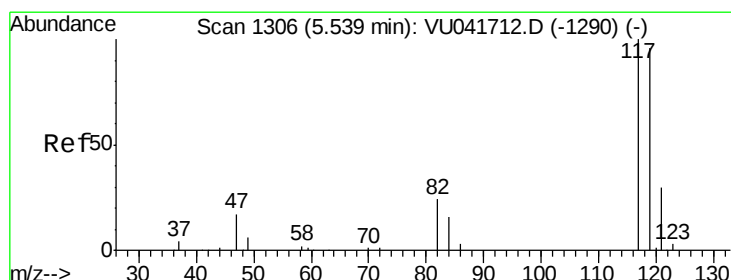
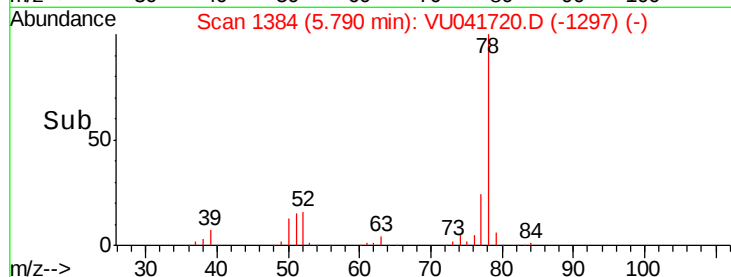
0

5.75

5.80

5.85

Time-->



#31

Carbon tetrachloride

Concen: 1.315 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041720.D

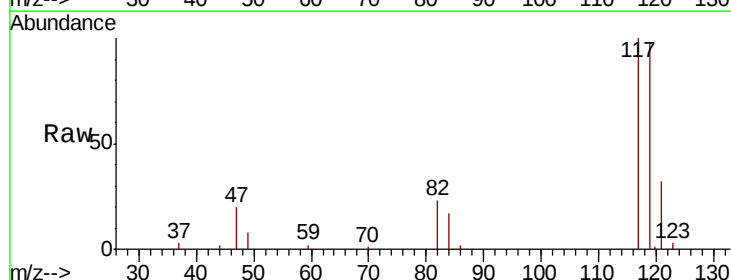
Acq: 22 Dec 2020 00:55

Tgt Ion: 117 Resp: 17258

Ion Ratio Lower Upper

117 100

119 99.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): VU041720.D (-1213) (-)

Ion 118.90 (118.60 to 119.60): VU041720.D (-1213) (-)

5.54

8000

6000

4000

2000

0

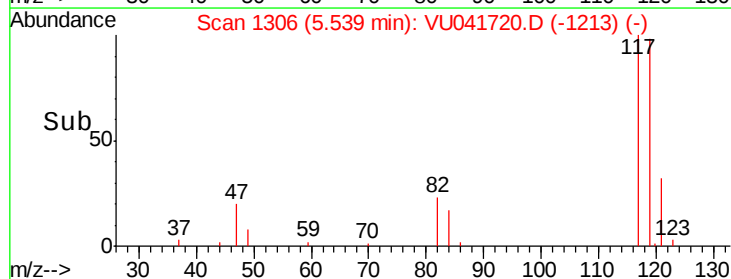
5.45

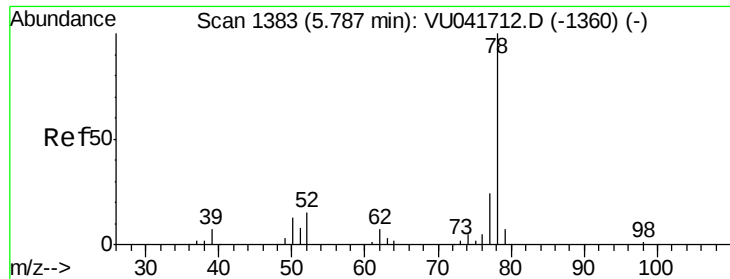
5.50

5.55

5.60

Time-->

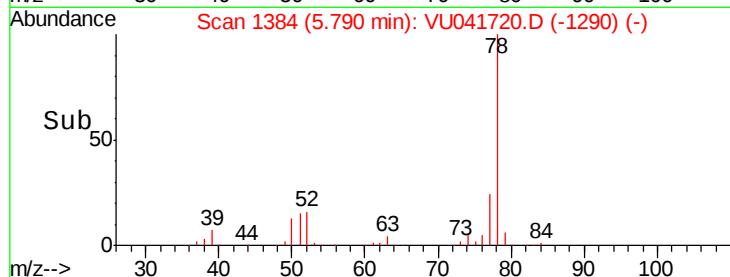
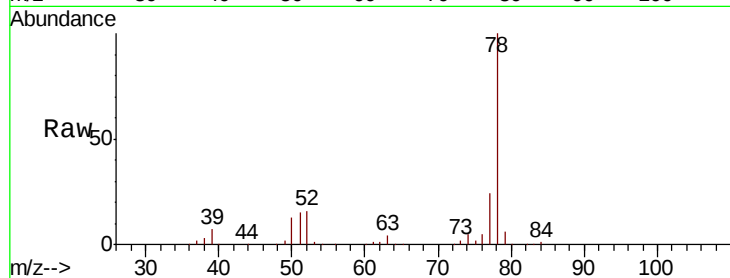




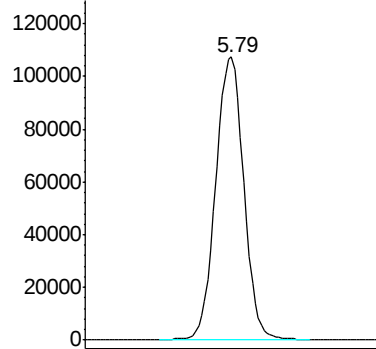
#33
Benzene
Concen: 5.365 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

Instrument :
MSVOA_U
ClientSampleId :
GB228MS

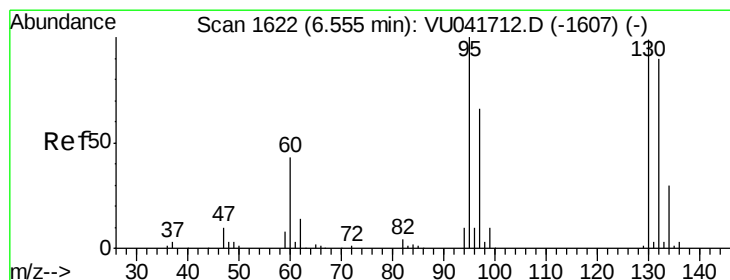
Tgt Ion: 78 Resp: 226727



Abundance Ion 78.10 (77.80 to 78.80): VU0

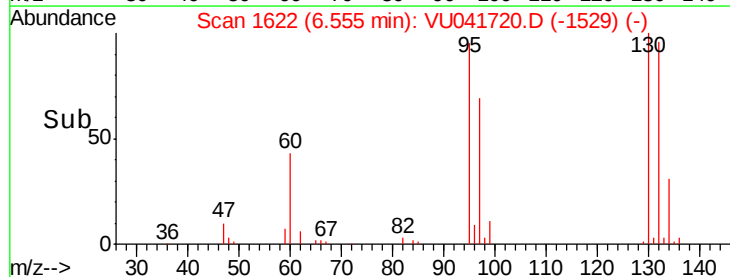
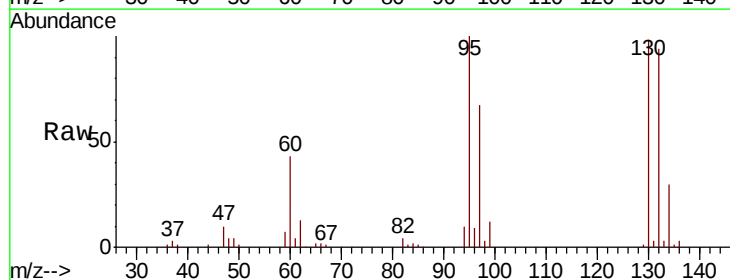


Time-->



#34
Trichloroethene
Concen: 5.416 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

Tgt Ion: 95 Resp: 57509
Ion Ratio Lower Upper
95 100
97 67.4 43.9 81.5
132 94.1 63.1 117.3
130 97.6 67.4 125.2

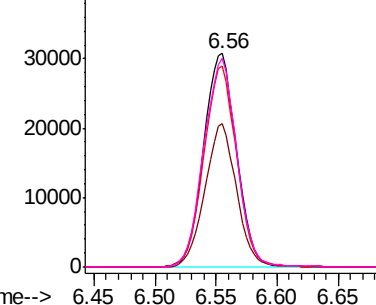


Abundance Ion 95.00 (94.70 to 95.70): VU0

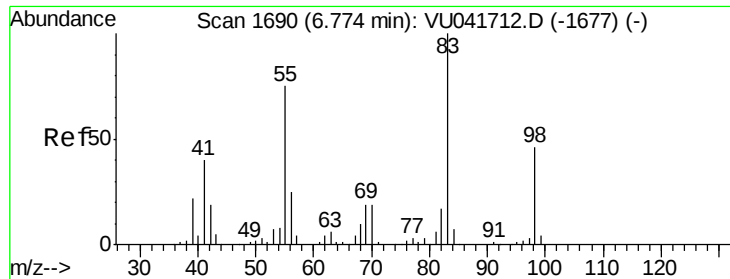
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



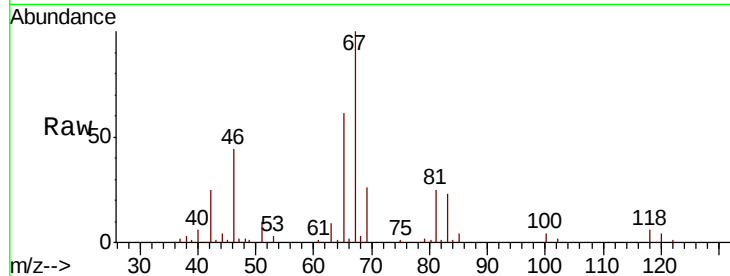
Time-->



#35
Methylcyclohexane
Concen: 0.815 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

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ClientSampleId :
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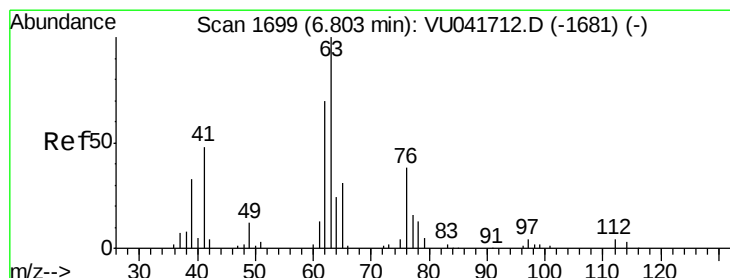
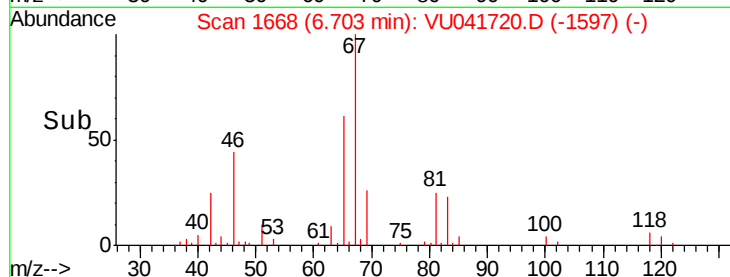
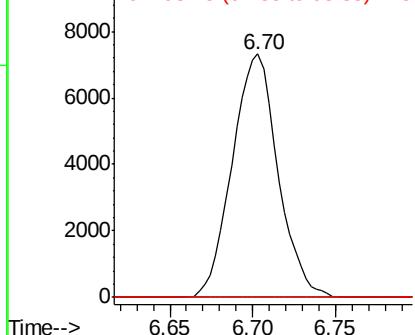
Tot Ion	83.15	Resp	13986
Ion Ratio	Lower	Upper	
83	100		
55	0.0	61.2	91.8#
98	0.0	36.6	54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU041720.D (-1668) (-)

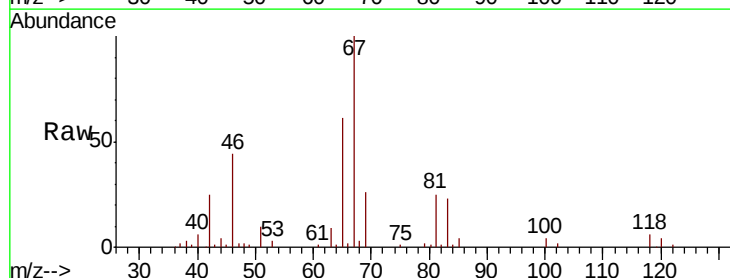
Ion 55.10 (54.80 to 55.80): VU041720.D (-1668) (-)

Ion 98.15 (97.85 to 98.85): VU041720.D (-1668) (-)



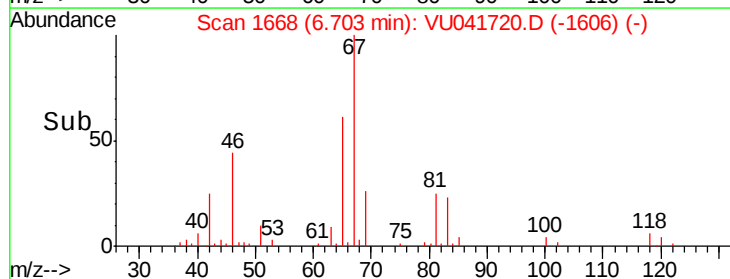
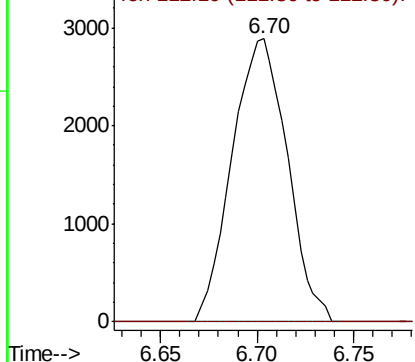
#37
1,2-Dichloropropane
Concen: 0.529 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

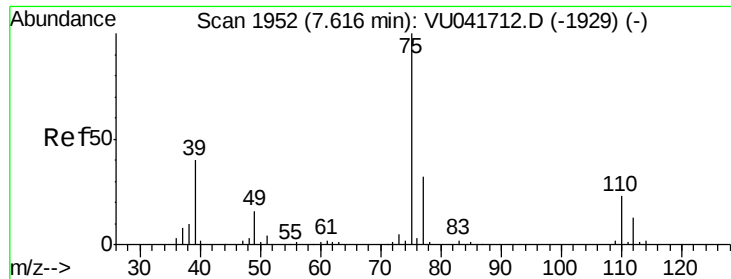
Tgt Ion	63.10	Resp	5720
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.1	4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041720.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU041720.D (-1668) (-)

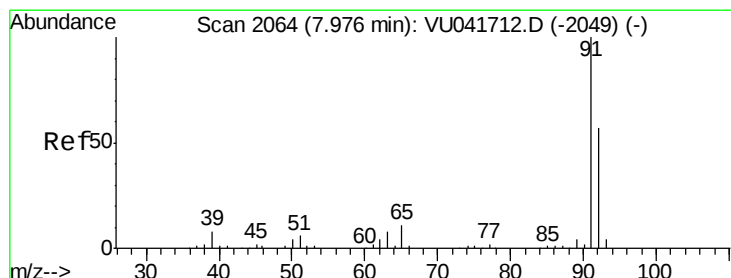
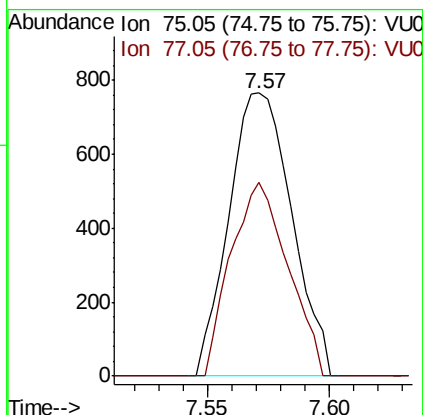
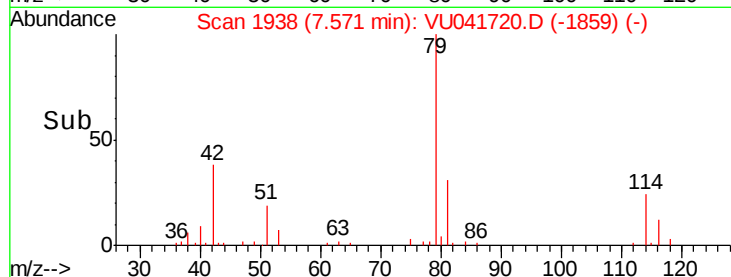
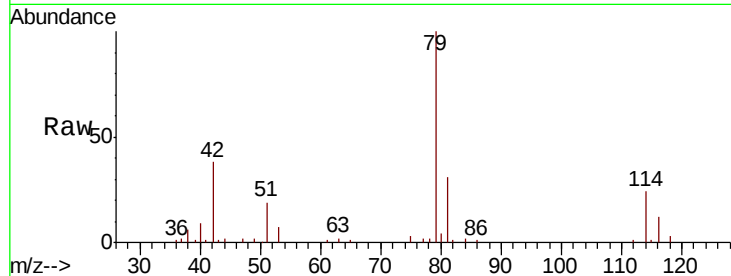




#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041720.D
 Acq: 22 Dec 2020 00:55

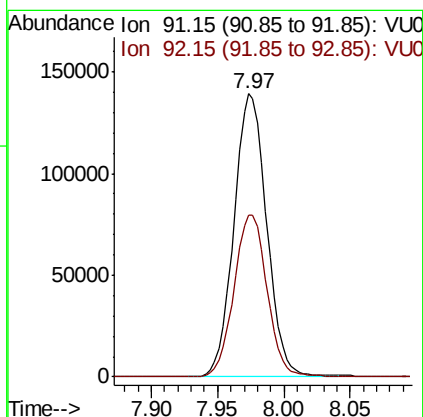
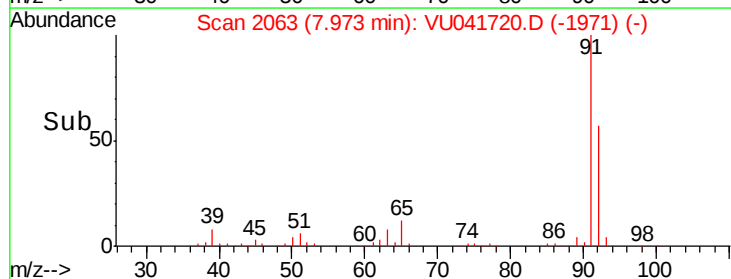
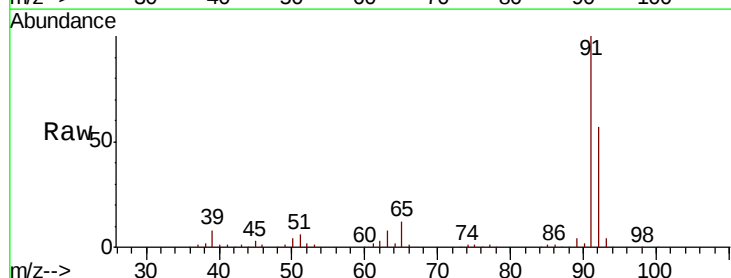
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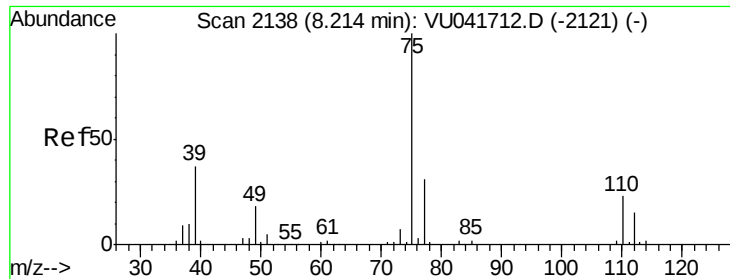
Tot Ion: 75 Resp: 1370
 Ion Ratio Lower Upper
 75 100
 77 68.4 22.3 41.3#



#42
 Toluene
 Concen: 5.472 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU041720.D
 Acq: 22 Dec 2020 00:55

Tgt Ion: 91 Resp: 238720
 Ion Ratio Lower Upper
 91 100
 92 57.2 40.0 74.2

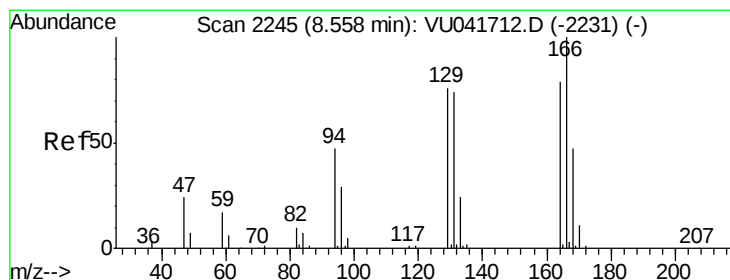
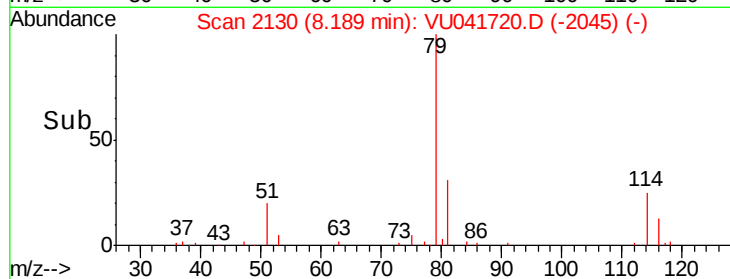
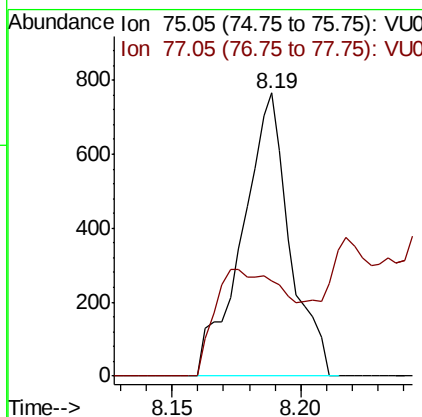
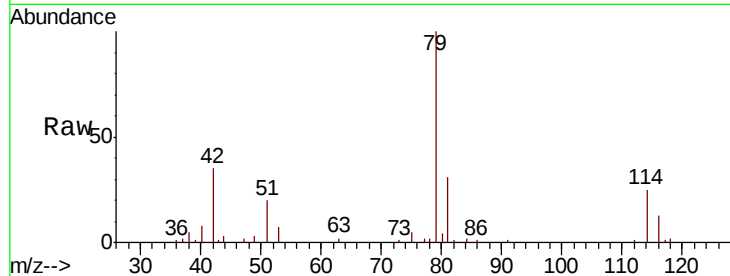




#44
trans-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

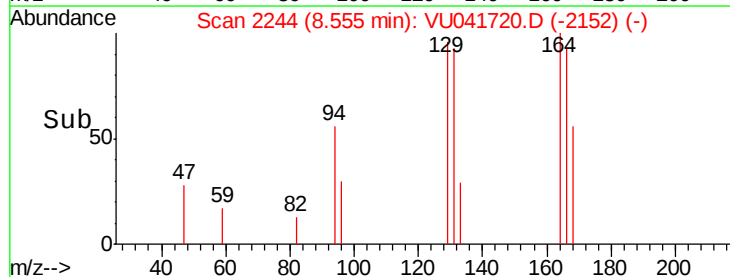
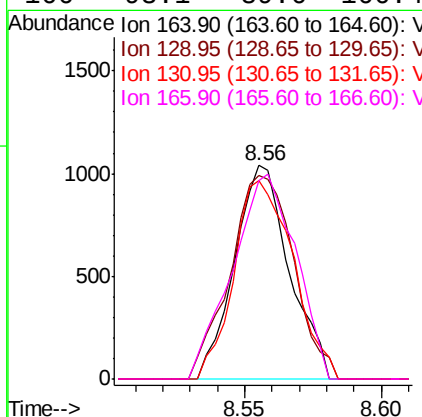
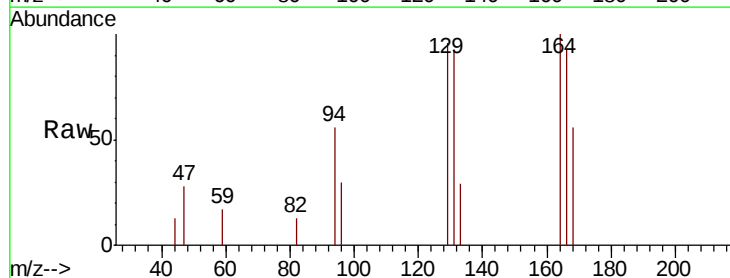
Instrument :
MSVOA_U
ClientSampleId :
GB228MS

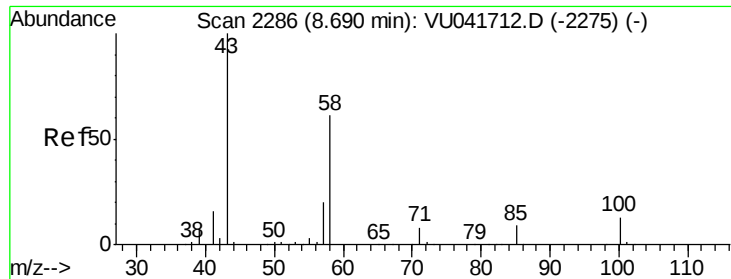
Tot Ion: 75 Resp: 988
Ion Ratio Lower Upper
75 100
77 33.7 23.8 44.2



#47
Tetrachloroethene
Concen: 0.195 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

Tgt Ion:164 Resp: 1448
Ion Ratio Lower Upper
164 100
129 95.6 72.2 134.0
131 93.2 66.9 124.3
166 93.1 89.6 166.4

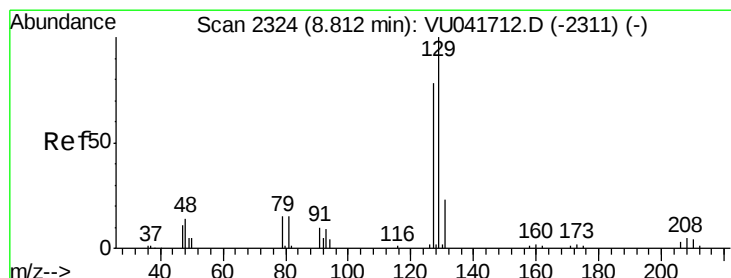
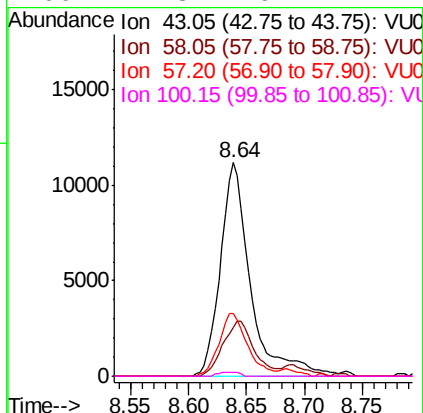
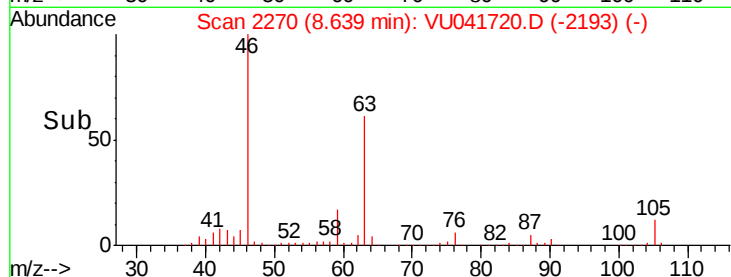
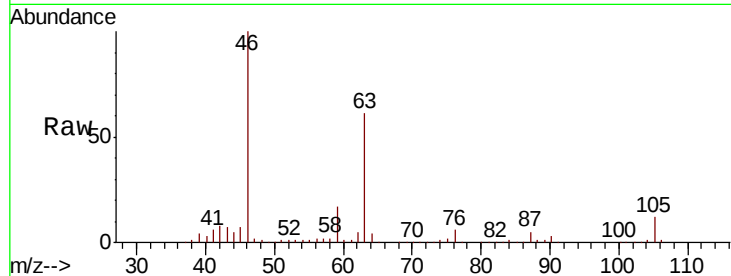




#48
2-Hexanone
Concen: 3.604 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

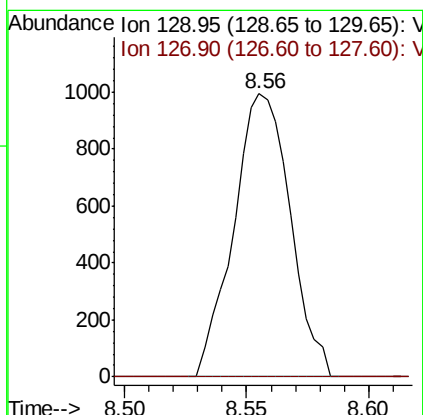
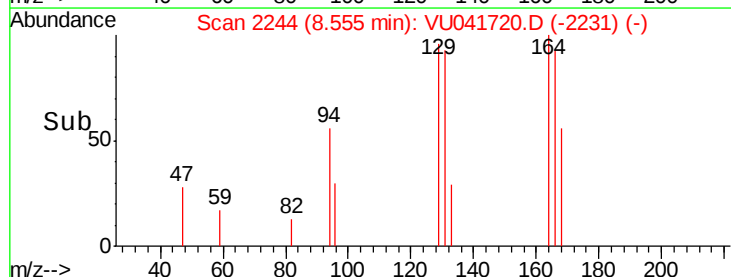
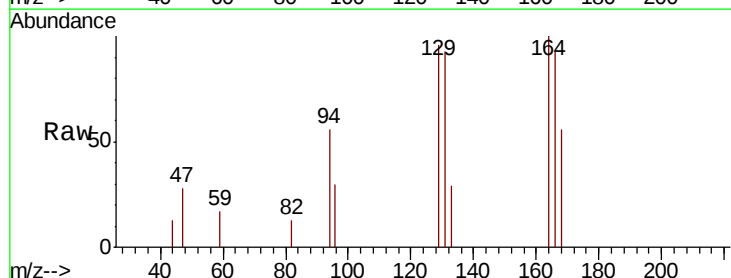
Instrument :
MSVOA_U
ClientSampleId :
GB228MS

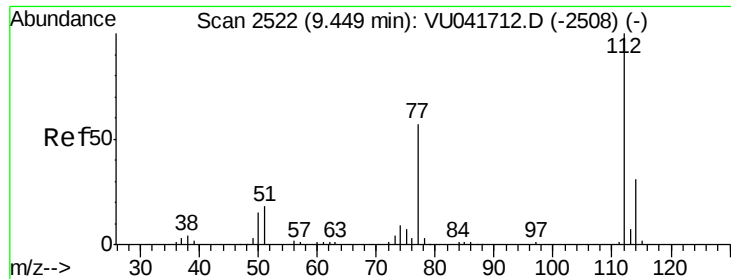
Tot Ion: 43 Resp: 20174
Ion Ratio Lower Upper
43 100
58 26.5 47.9 71.9#
57 27.9 16.5 24.7#
100 1.3 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.174 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041720.D
Acq: 22 Dec 2020 00:55

Tgt Ion: 129 Resp: 1601
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#51

Chlorobenzene

Concen: 5.565 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VU041720.D

Acq: 22 Dec 2020 00:55

Instrument :

MSVOA_U

ClientSampleId :

GB228MS

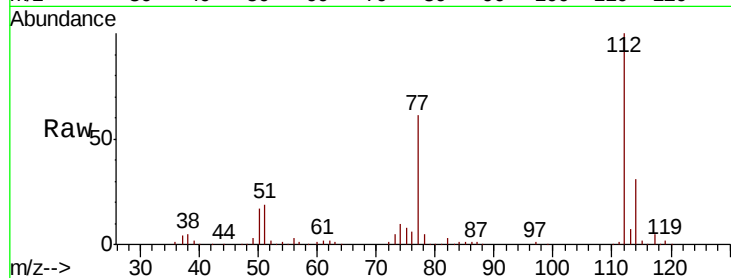
Tot Ion:112 Resp: 150916

Ion Ratio Lower Upper

112 100

114 30.9 22.7 42.3

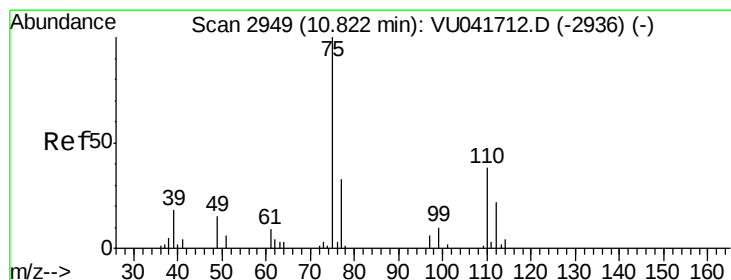
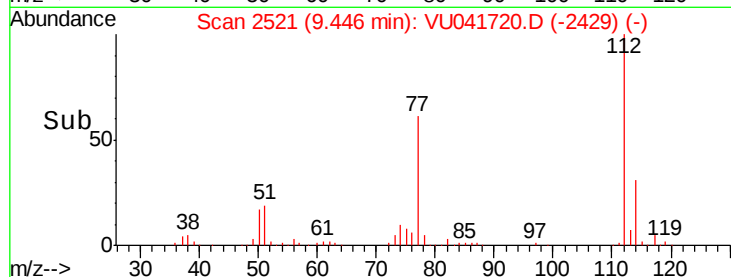
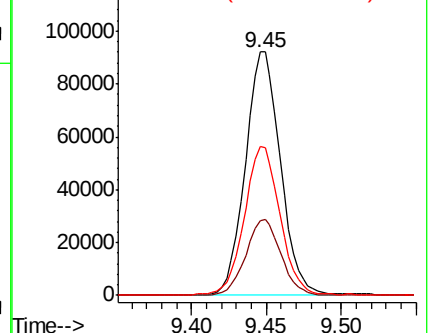
77 60.9 49.1 73.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.803 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041720.D

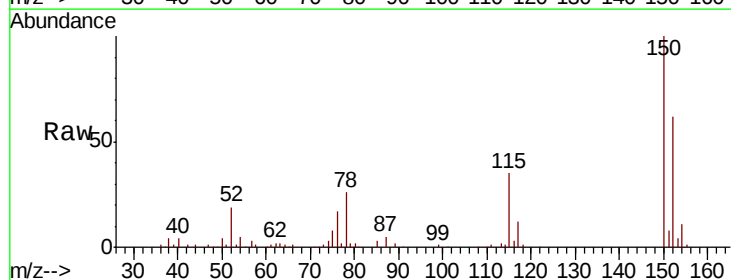
Acq: 22 Dec 2020 00:55

Tgt Ion: 75 Resp: 6520

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

