

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041735.D
 Acq On : 22 Dec 2020 12:39
 Operator : SY/MD
 Sample : L5185-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4R8

Quant Time: Dec 23 04:07:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138126	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132612	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35784	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.92	69	40661	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	66278	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.65	46	164161	52.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.84%
24) Chloroform-d	5.08	84	88630	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	50650	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	169484	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	56194	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.90	98	140938	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	22997	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	144556	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53713	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	56181	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	501	0.044	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	754	0.079	ug/L # 22
13) Acetone	2.66	43	7205	3.652	ug/L 87
16) Methylene chloride	3.06	84	2073	0.185	ug/L 92
33) Benzene	5.79	78	2180	0.051	ug/L 100
35) Methylcyclohexane	6.70	83	12947	0.752	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	5994	0.553	ug/L # 88
42) Toluene	7.98	91	20493	0.468	ug/L 99
44) trans-1,3-Dichloropropene	8.19	75	721	0.050	ug/L 93
47) Tetrachloroethene	8.56	164	828	0.111	ug/L 75
48) 2-Hexanone	8.64	43	15782	2.809	ug/L # 64
49) Dibromochloromethane	8.56	129	701	0.076	ug/L # 10
52) Ethylbenzene	9.57	91	3081	0.066	ug/L 98
53) m,p-Xylene	9.69	106	3801	0.219	ug/L 78
54) o-Xylene	10.10	106	1749	0.103	ug/L 98
55) Styrene	10.11	104	1531	0.052	ug/L 95
59) 1,2,3-Trichloropropane	11.81	75	6602	0.810	ug/L 97

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ClientSampleId :
BG4R8

Quant Time: Dec 23 04:07:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 04:05:15 2020
Response via : Initial Calibration

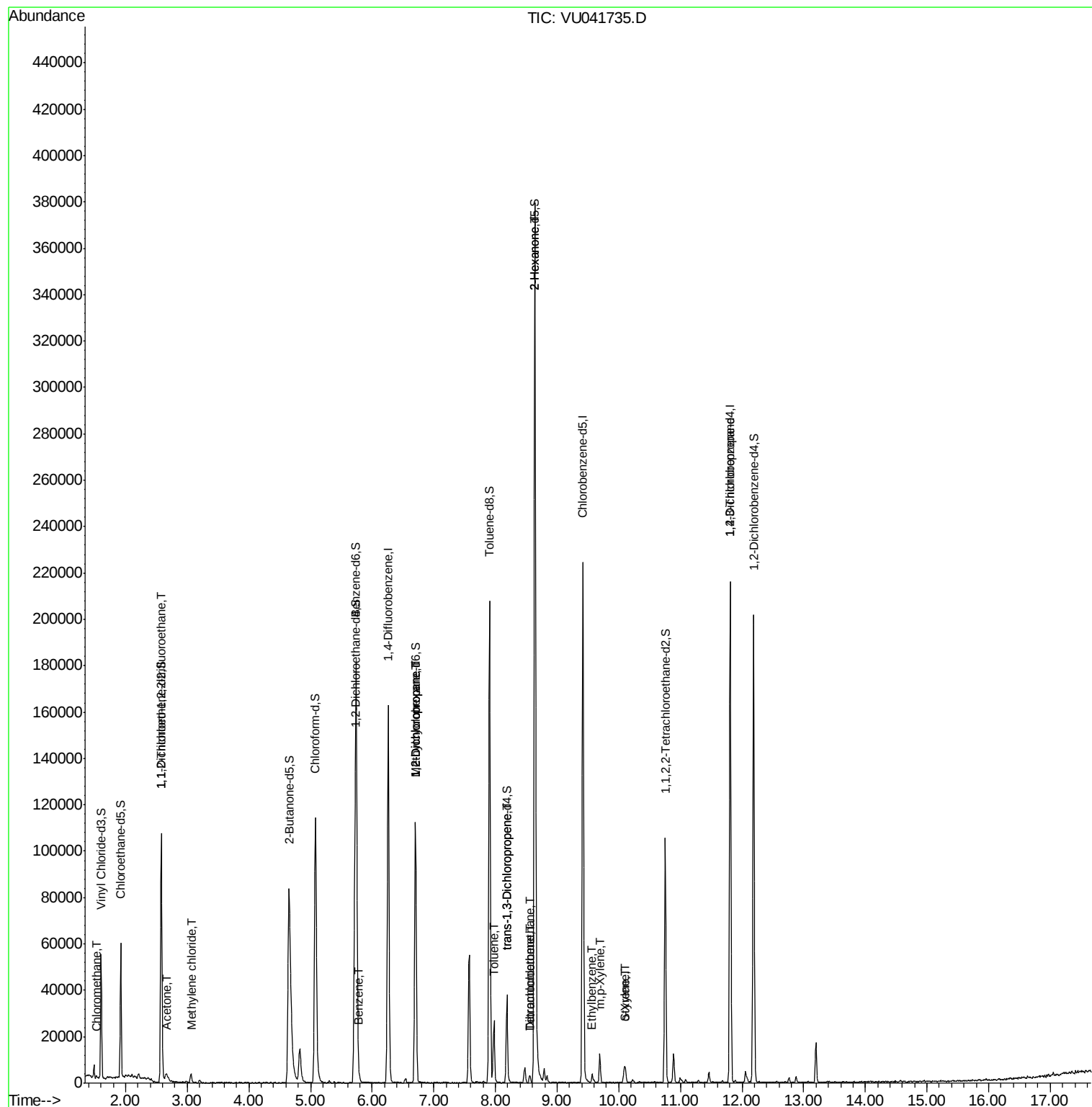
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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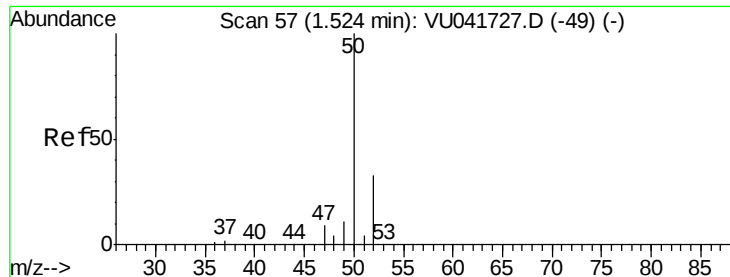
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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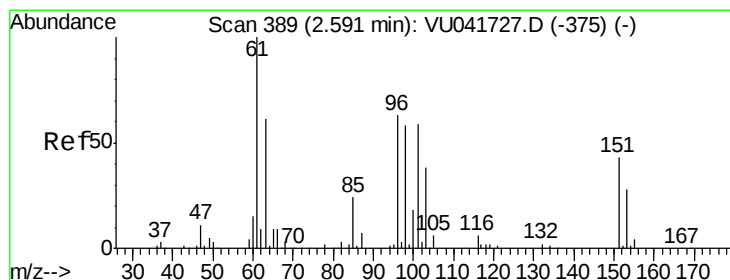
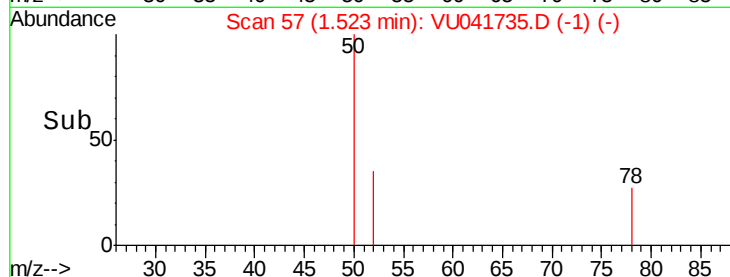
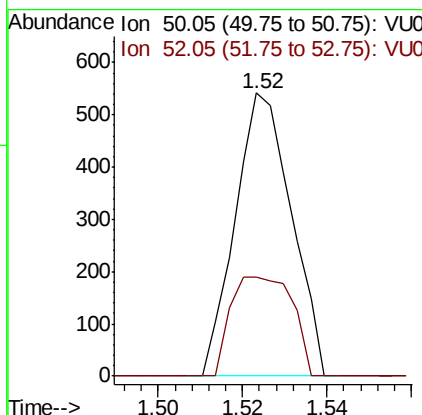
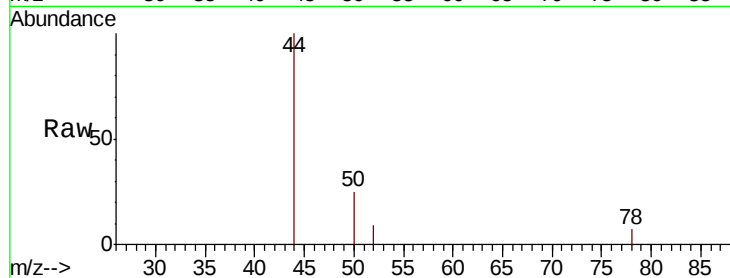




#3
Chloromethane
Concen: 0.044 ug/L
RT: 1.52 min Scan# 57
Delta R.T. -0.00 min
Lab File: VU041735.D
Acq: 22 Dec 2020 12:39

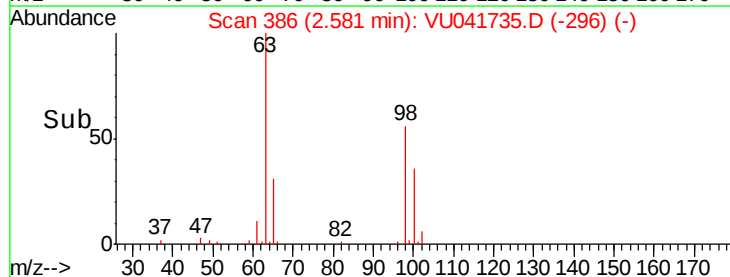
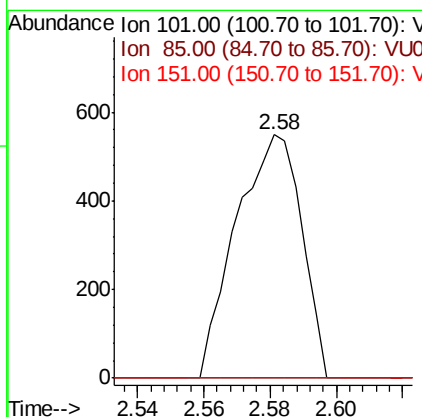
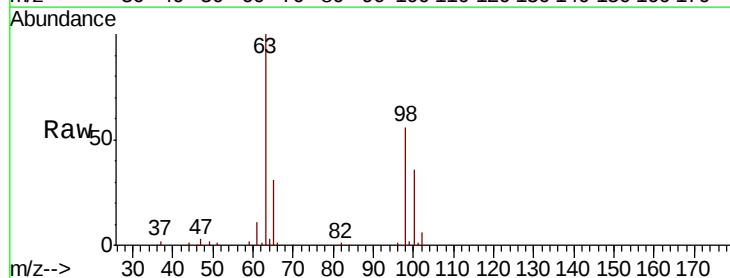
Instrument :
MSVOA_U
ClientSampleId :
BG4R8

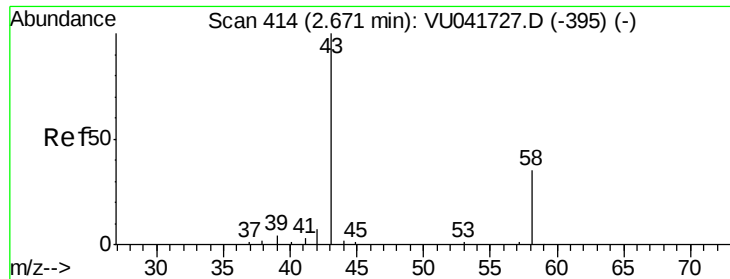
Tot Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 35.1 24.1 44.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.079 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041735.D
Acq: 22 Dec 2020 12:39

Tgt Ion: 101 Resp: 754
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#





#13

Acetone

Concen: 3.652 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

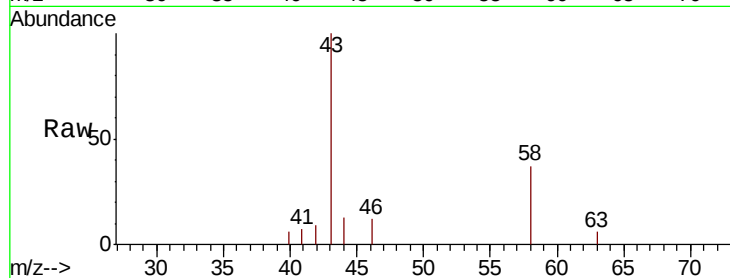
BG4R8

Tot Ion: 43 Resp: 7205

Ion Ratio Lower Upper

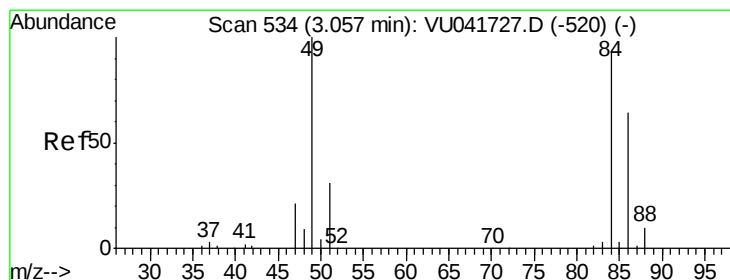
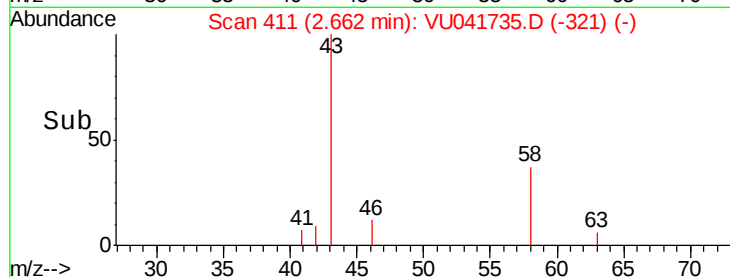
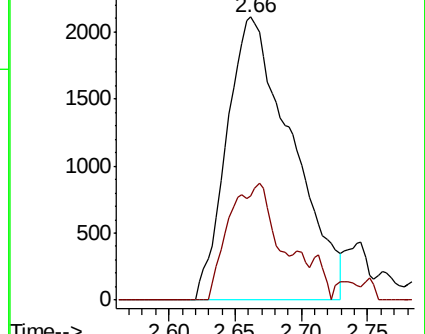
43 100

58 29.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.185 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

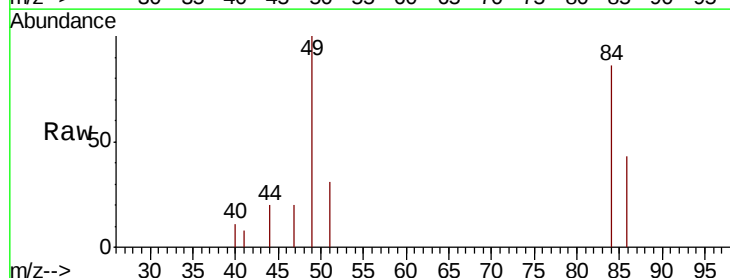
Tgt Ion: 84 Resp: 2073

Ion Ratio Lower Upper

84 100

86 50.0 45.1 83.7

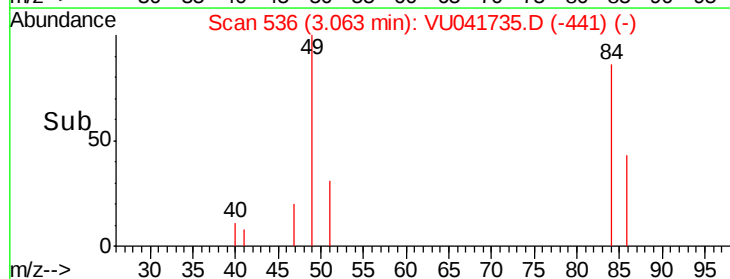
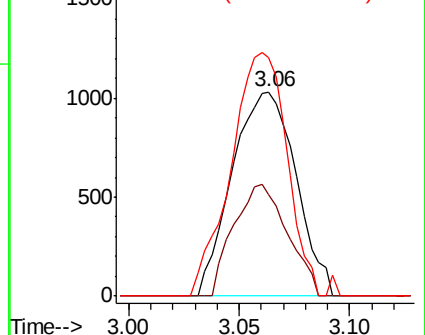
49 116.7 83.1 154.3

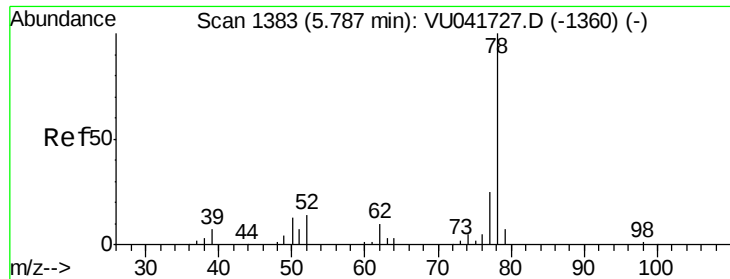


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#33

Benzene

Concen: 0.051 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

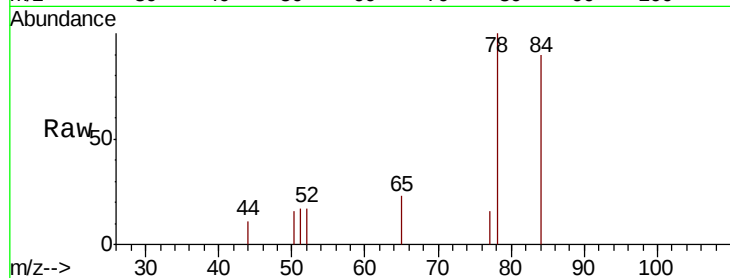
Instrument :

MSVOA_U

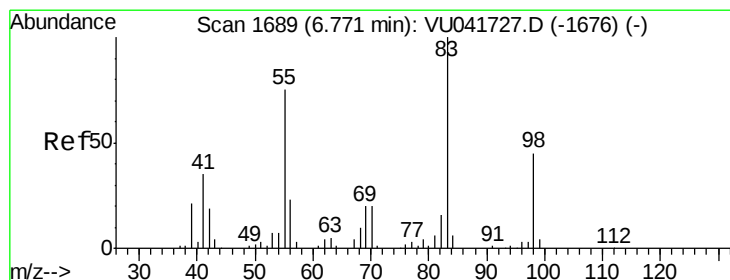
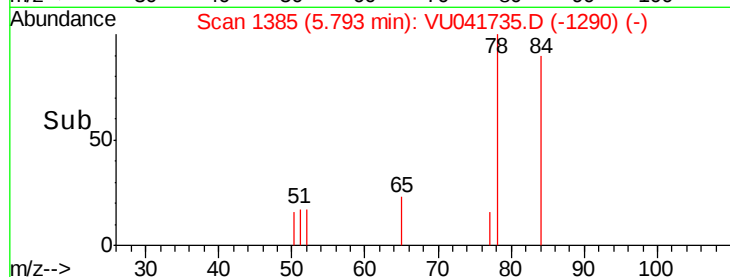
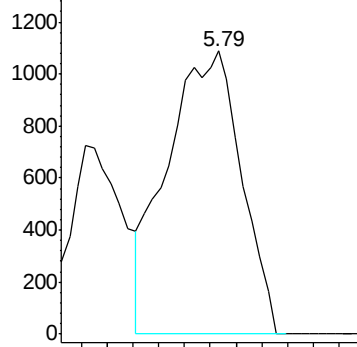
ClientSampled :

BG4R8

Tgt Ion: 78 Resp: 2180



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.752 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

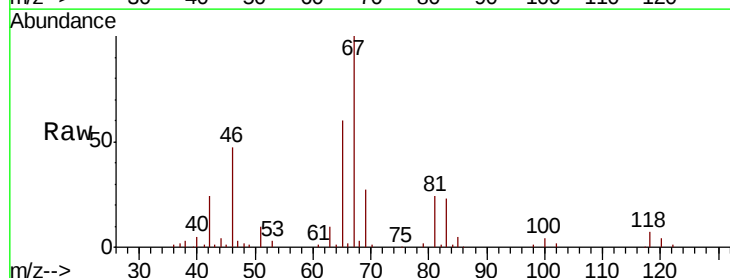
Tgt Ion: 83 Resp: 12947

Ion Ratio Lower Upper

83 100

55 0.6 61.2 91.8#

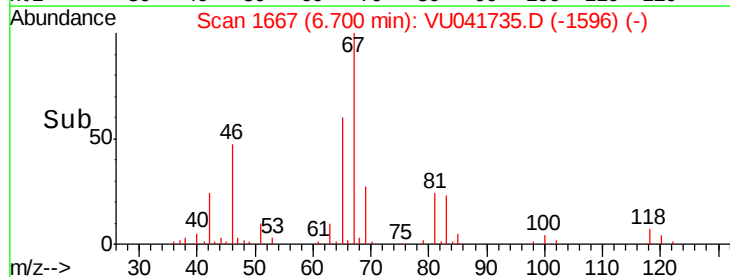
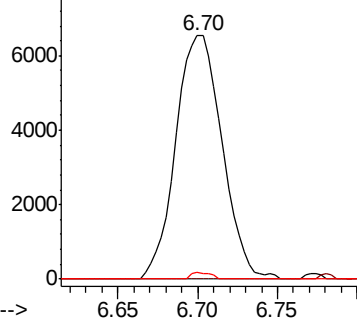
98 1.1 36.6 54.8#

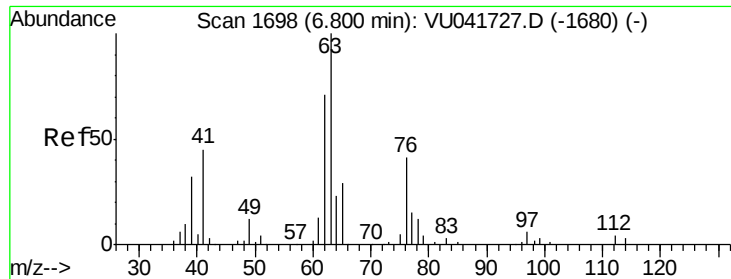


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

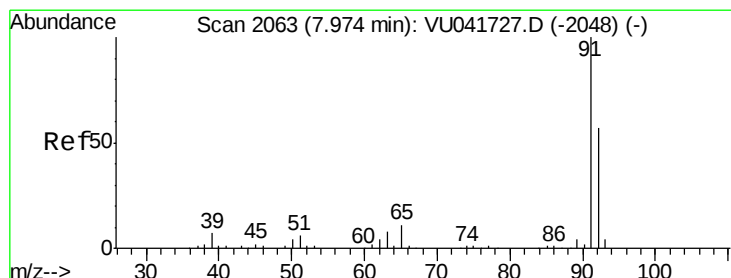
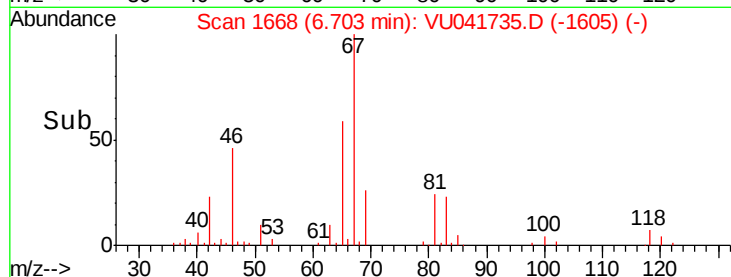
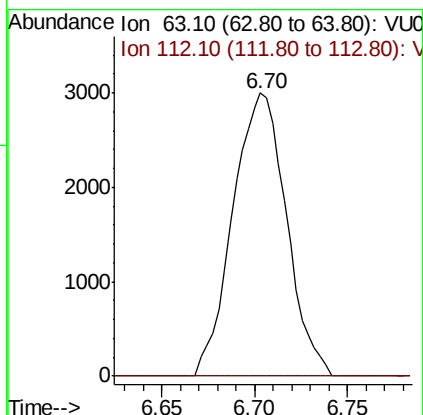
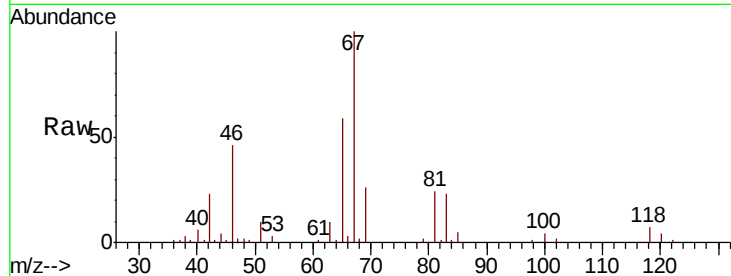




#37
 1,2-Dichloropropane
 Concen: 0.553 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041735.D
 Acq: 22 Dec 2020 12:39

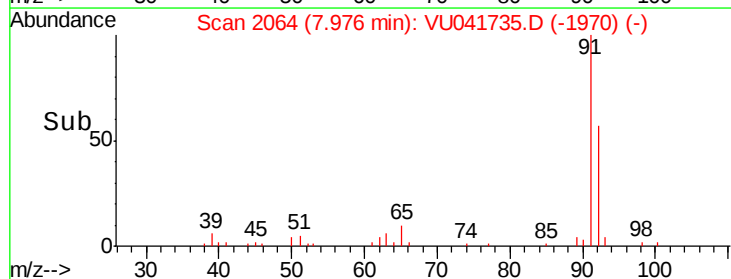
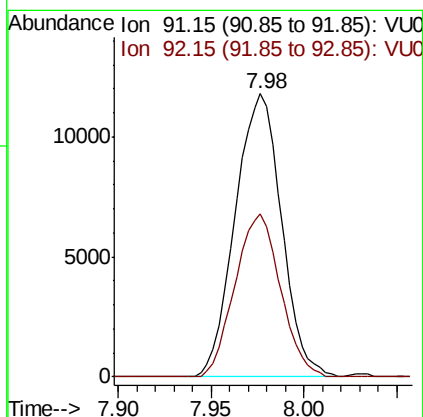
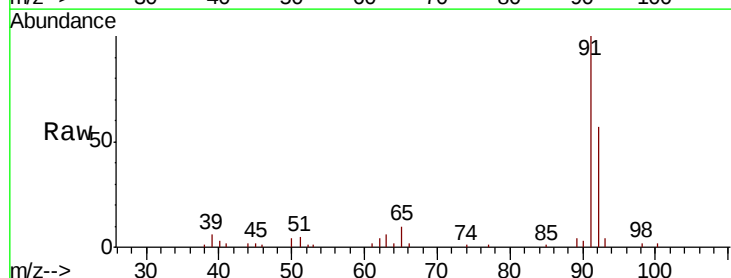
Instrument :
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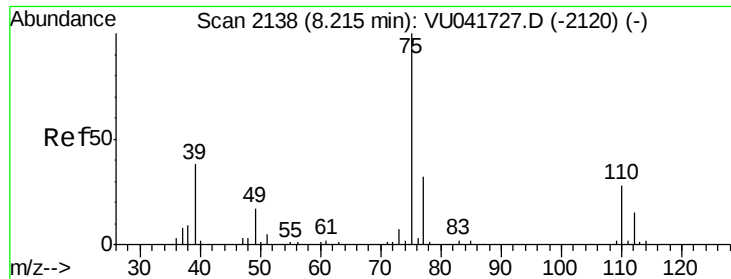
Tot Ion: 63 Resp: 5994
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 0.468 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041735.D
 Acq: 22 Dec 2020 12:39

Tgt Ion: 91 Resp: 20493
 Ion Ratio Lower Upper
 91 100
 92 57.5 40.0 74.2

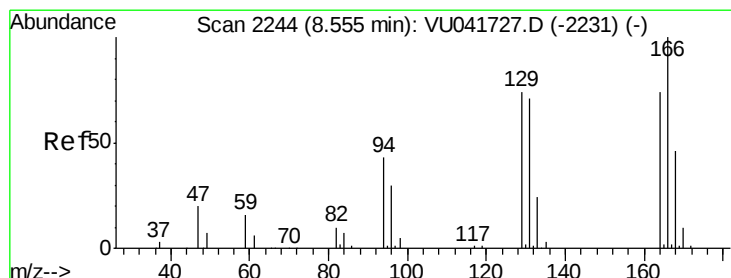
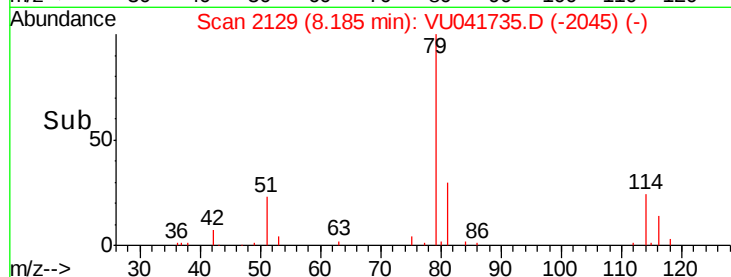
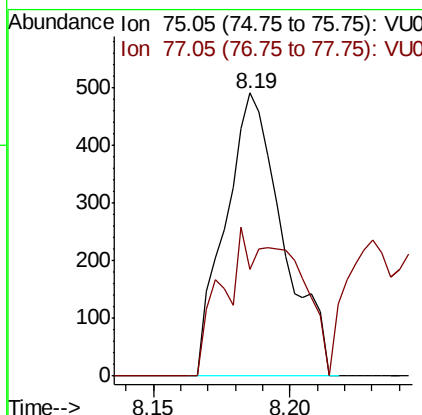
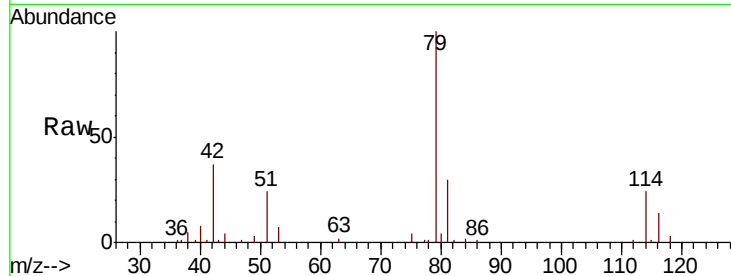




#44
trans-1,3-Dichloropropene
Concen: 0.050 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041735.D
Acq: 22 Dec 2020 12:39

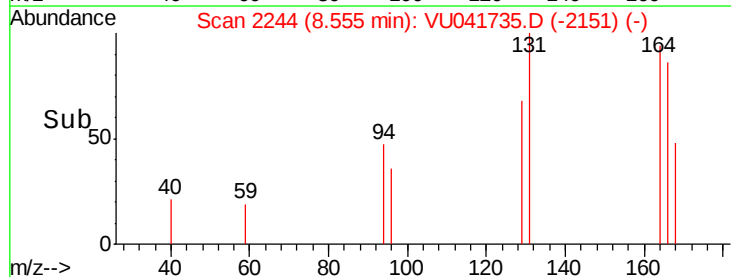
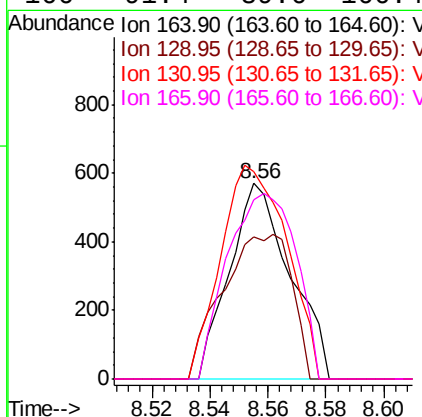
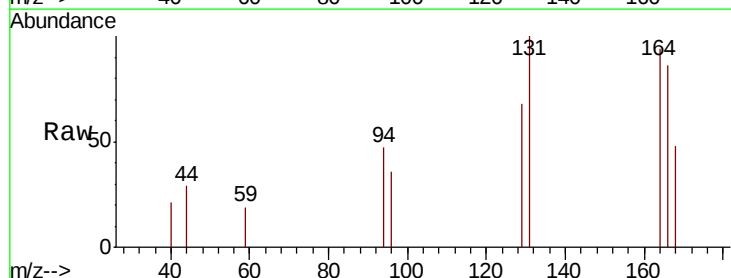
Instrument :
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ClientSampled :
BG4R8

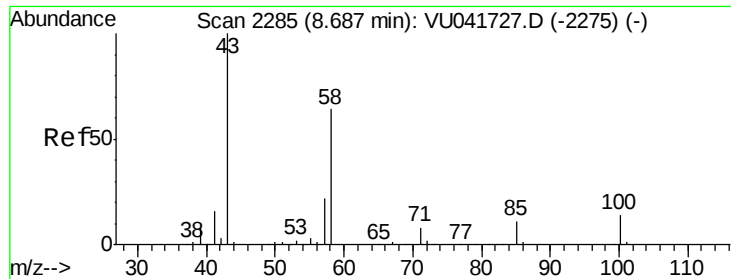
Tot Ion: 75 Resp: 721
Ion Ratio Lower Upper
75 100
77 37.9 23.8 44.2



#47
Tetrachloroethene
Concen: 0.111 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041735.D
Acq: 22 Dec 2020 12:39

Tgt Ion:164 Resp: 828
Ion Ratio Lower Upper
164 100
129 72.5 72.2 134.0
131 106.0 66.9 124.3
166 91.4 89.6 166.4

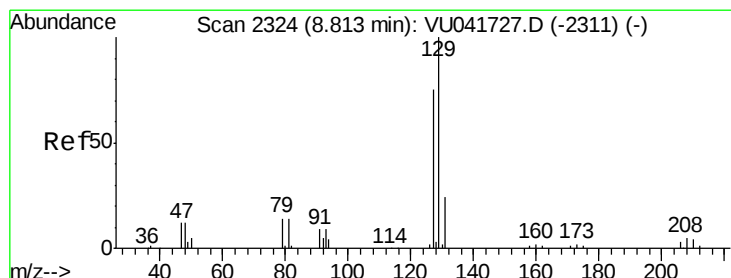
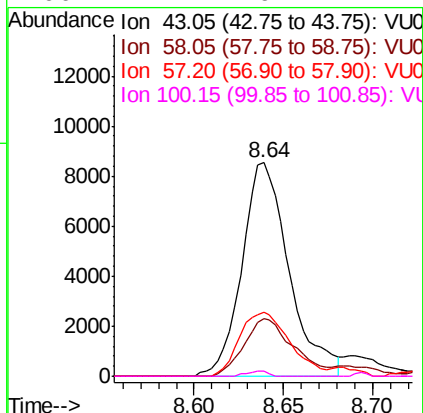
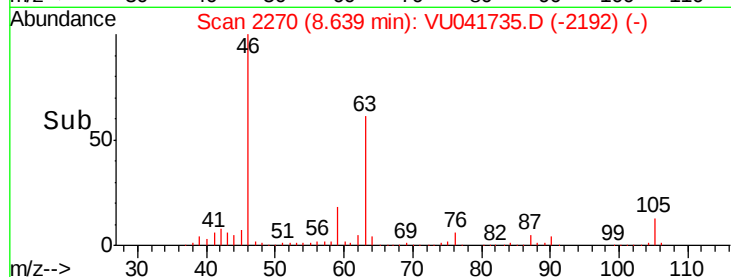
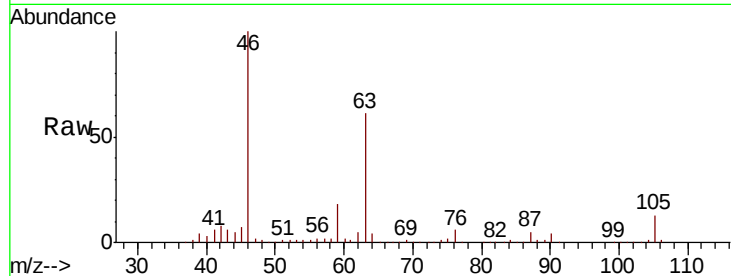




#48
2-Hexanone
Concen: 2.809 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041735.D
Acq: 22 Dec 2020 12:39

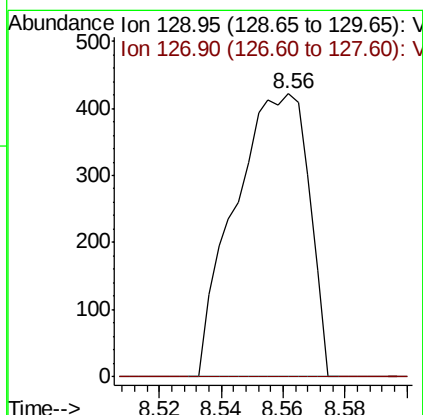
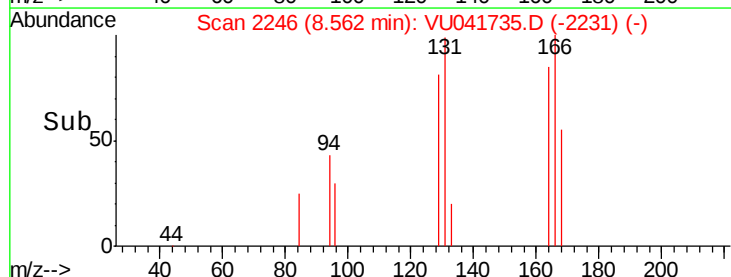
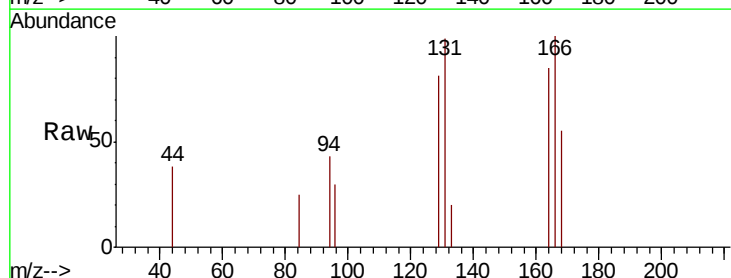
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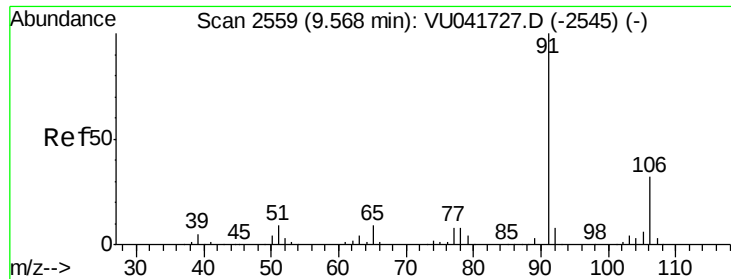
Tot Ion: 43 Resp: 15782
Ion Ratio Lower Upper
43 100
58 27.9 47.9 71.9#
57 31.9 16.5 24.7#
100 1.1 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.076 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. -0.25 min
Lab File: VU041735.D
Acq: 22 Dec 2020 12:39

Tgt Ion: 129 Resp: 701
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#52

Ethylbenzene

Concen: 0.066 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

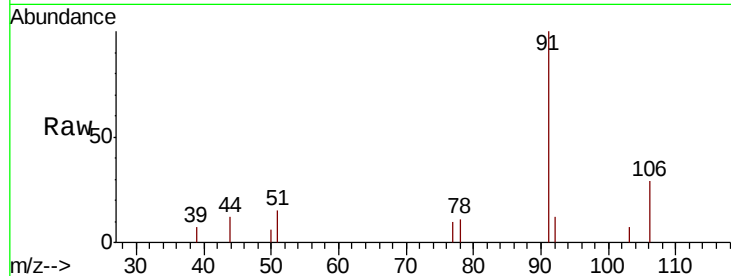
BG4R8

Tot Ion: 91 Resp: 3081

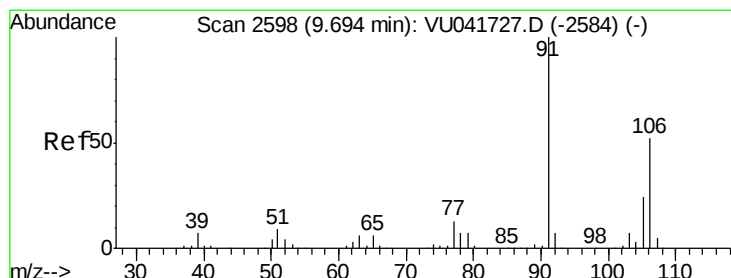
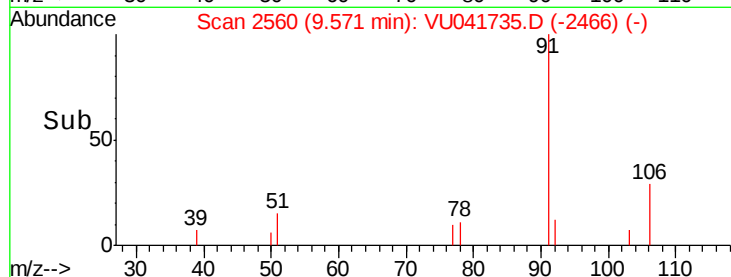
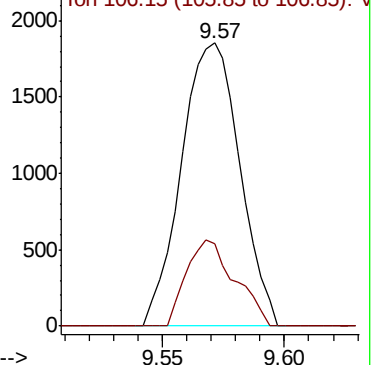
Ion Ratio Lower Upper

91 100

106 28.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041735.D (-2545) (-)



#53

m,p-Xylene

Concen: 0.219 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041735.D

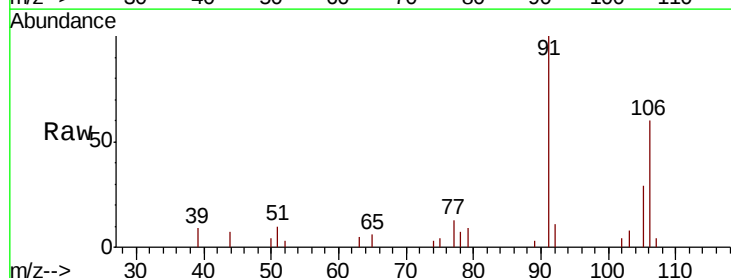
Acq: 22 Dec 2020 12:39

Tgt Ion: 106 Resp: 3801

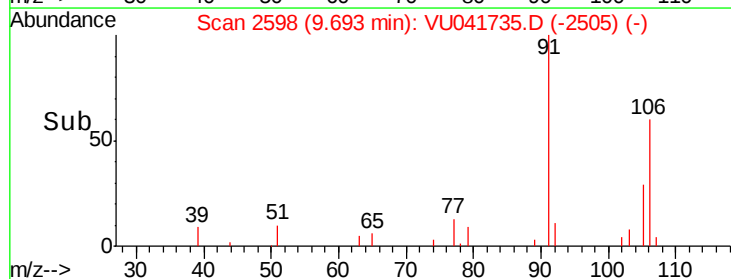
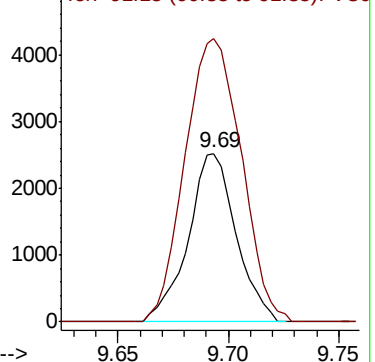
Ion Ratio Lower Upper

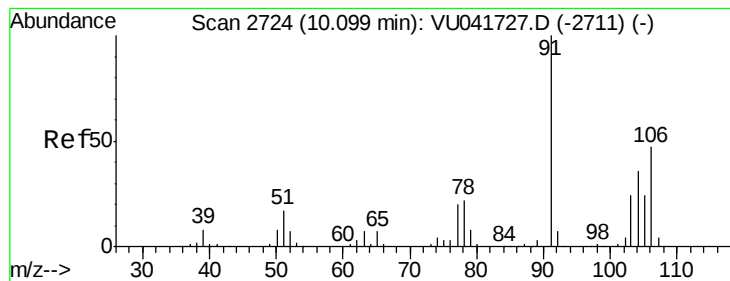
106 100

91 167.9 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041735.D (-2584) (-)





#54

o-Xylene

Concen: 0.103 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

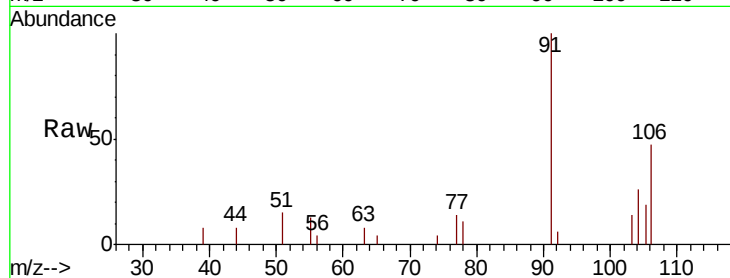
BG4R8

Tot Ion:106 Resp: 1749

Ion Ratio Lower Upper

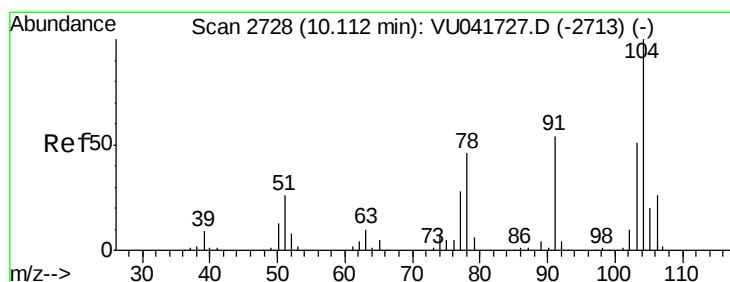
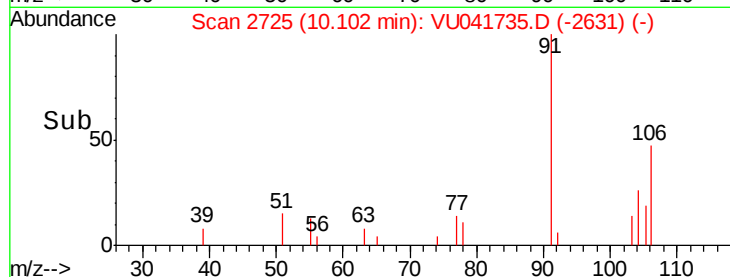
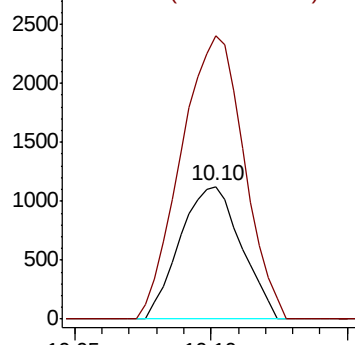
106 100

91 213.2 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.052 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041735.D

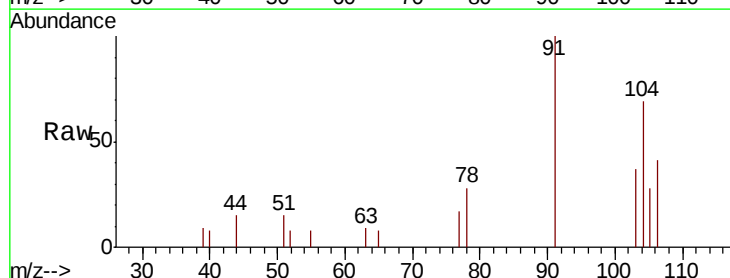
Acq: 22 Dec 2020 12:39

Tgt Ion:104 Resp: 1531

Ion Ratio Lower Upper

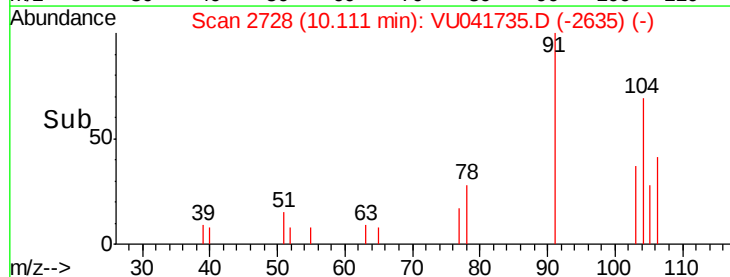
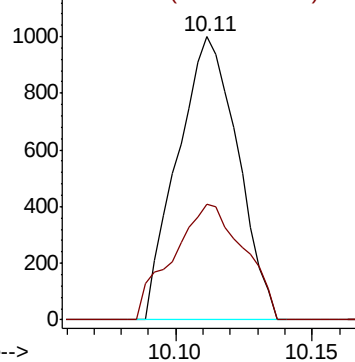
104 100

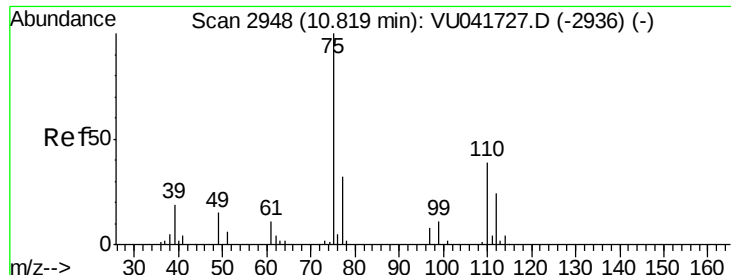
78 41.0 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.810 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041735.D

Acq: 22 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

BG4R8

Tot Ion: 75 Resp: 6602

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

