

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041138.D
 Acq On : 09 Nov 2020 14:17
 Operator : SY/MD
 Sample : L4646-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W5

Quant Time: Nov 10 01:12:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53652	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16053	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.92	69	14985	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.58	63	26750	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.65	46	86365	58.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.36%
24) Chloroform-d	5.08	84	42005	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.72	65	27633	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
32) Benzene-d6	5.74	84	72171	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	25952	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.91	98	58623	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	9659	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.64	63	59754	53.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24163	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	27155	6.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	2909	2.867	ug/L	86
14) Carbon disulfide	2.80	76	846	0.067	ug/L #	74
15) Methyl Acetate	3.06	43	821	0.354	ug/L #	53
22) cis-1,2-Dichloroethene	4.68	96	329	0.083	ug/L	96
25) Chloroform	5.10	83	403	0.052	ug/L #	74
27) 1,2-Dichloroethane	5.75	62	484	0.084	ug/L #	74
30) Cyclohexane	5.40	56	869	0.132	ug/L #	80
33) Benzene	5.79	78	11782	0.721	ug/L	100
34) Trichloroethene	6.55	95	9160	2.201	ug/L	97
35) Methylcyclohexane	6.70	83	5942	0.957	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3081	0.696	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	678	0.111	ug/L	87
42) Toluene	7.97	91	1168	0.070	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	368	0.065	ug/L #	46
52) Ethylbenzene	9.57	91	1981	0.114	ug/L	100
53) m,p-Xylene	9.70	106	6314	0.992	ug/L	95
56) Isopropylbenzene	10.48	105	1435	0.090	ug/L #	92

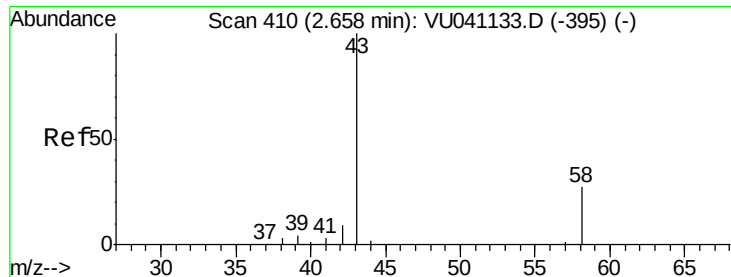
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
Data File : VU041138.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3325	1.008	ug/L #	83

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



#13

Acetone

Concen: 2.867 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU041138.D

Acq: 09 Nov 2020 14:17

Instrument :

MSVOA_U

ClientSampleId :

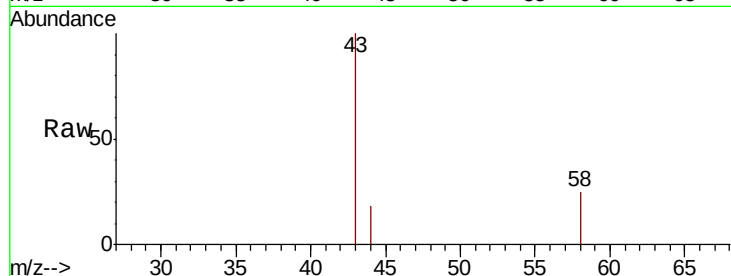
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Tot Ion: 43 Resp: 2909

Ion Ratio Lower Upper

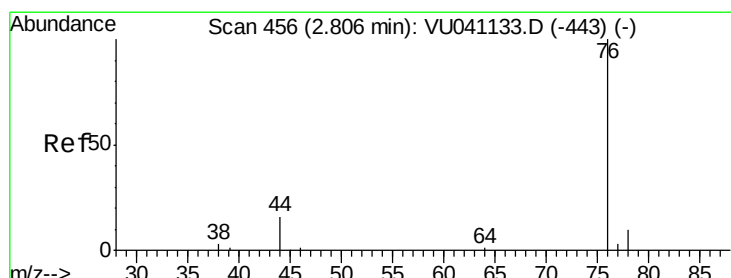
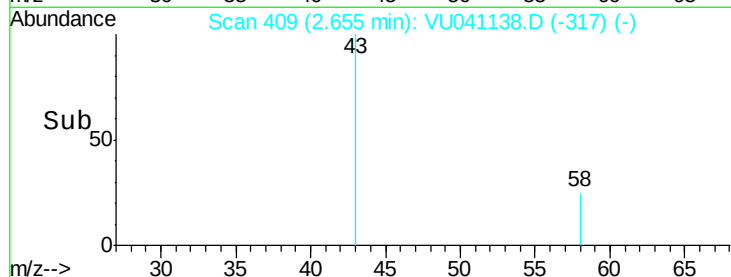
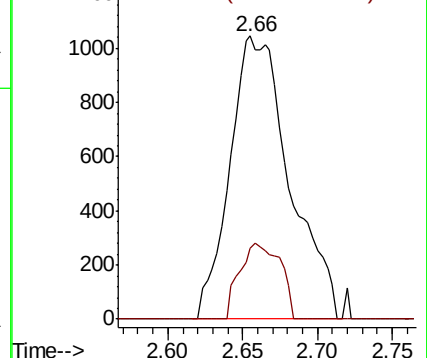
43 100

58 18.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.067 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041138.D

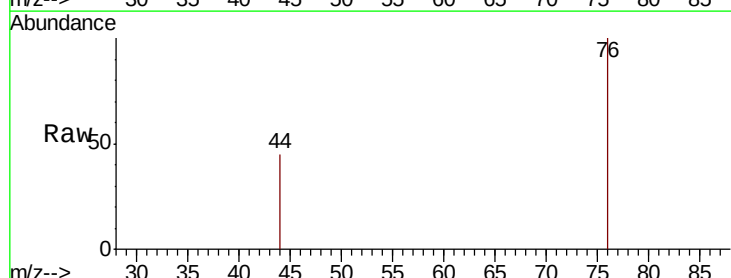
Acq: 09 Nov 2020 14:17

Tgt Ion: 76 Resp: 846

Ion Ratio Lower Upper

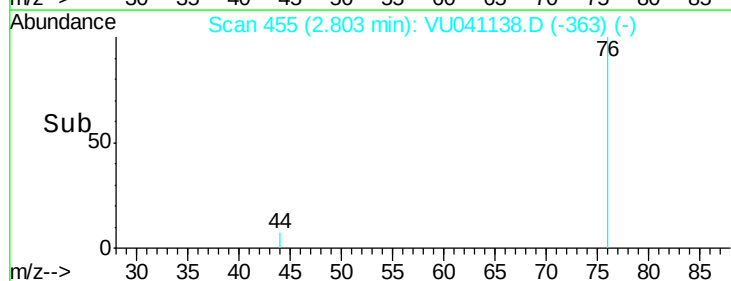
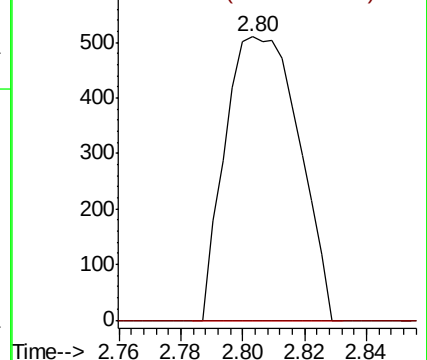
76 100

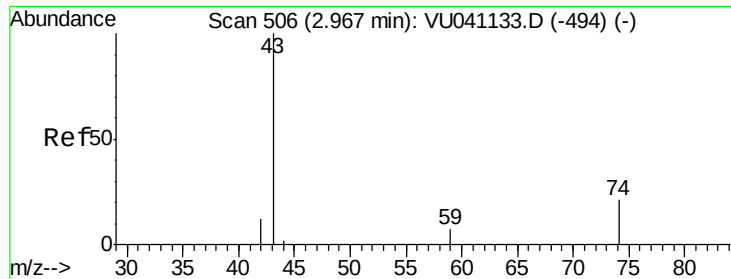
78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

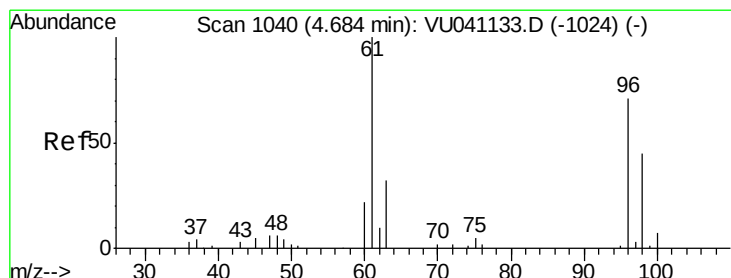
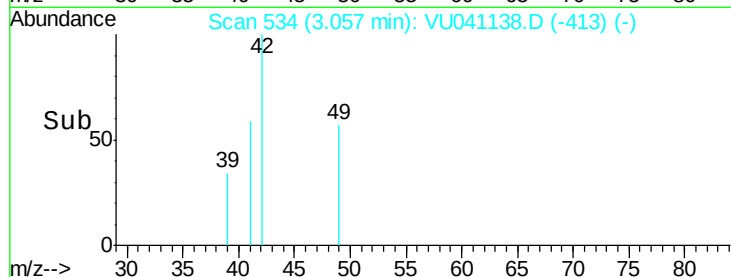
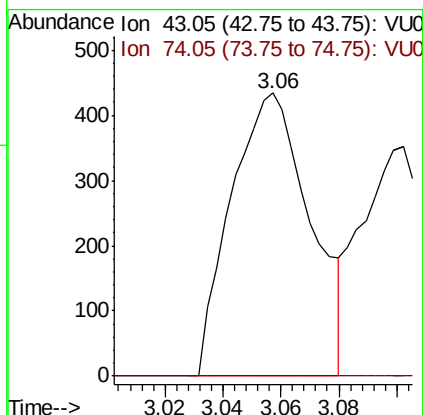
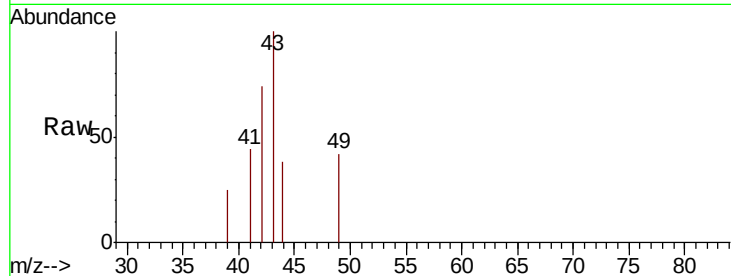




#15
Methyl Acetate
Concen: 0.354 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.09 min
Lab File: VU041138.D
Acq: 09 Nov 2020 14:17

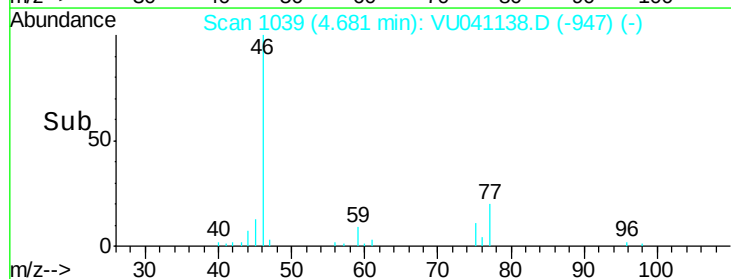
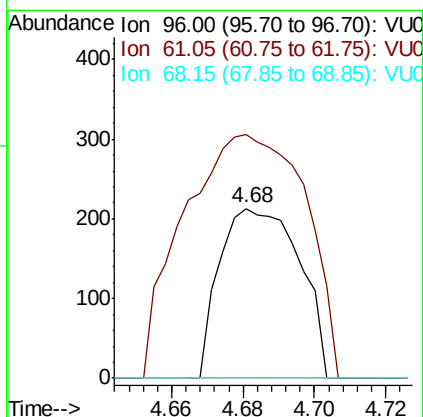
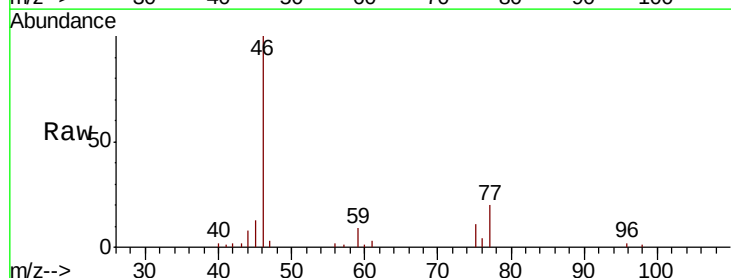
Instrument :
MSVOA_U
ClientSampleId :
GB0W5

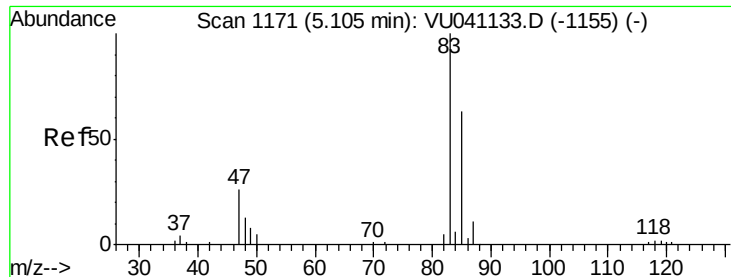
Tot Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#22
cis-1,2-Dichloroethene
Concen: 0.083 ug/L
RT: 4.68 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VU041138.D
Acq: 09 Nov 2020 14:17

Tgt Ion: 96 Resp: 329
Ion Ratio Lower Upper
96 100
61 143.7 97.2 180.4
68 0.0 0.0 0.0

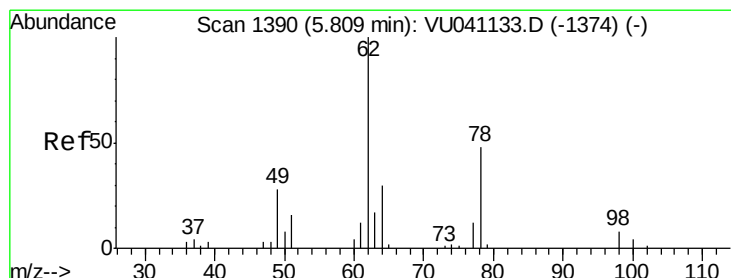
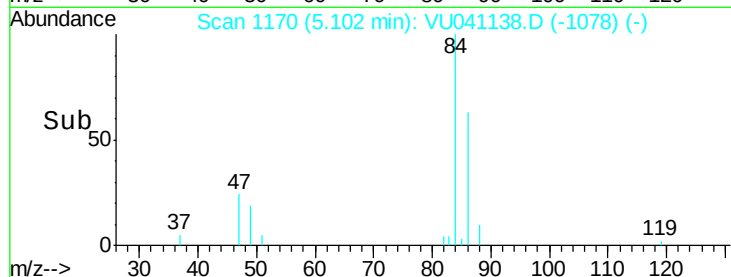
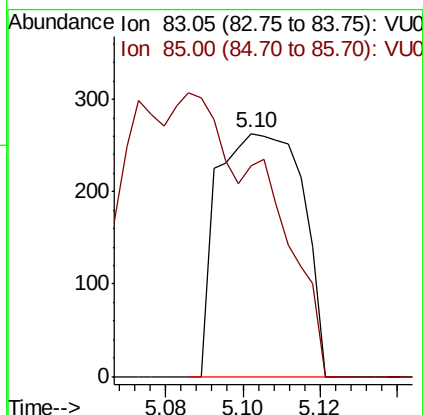
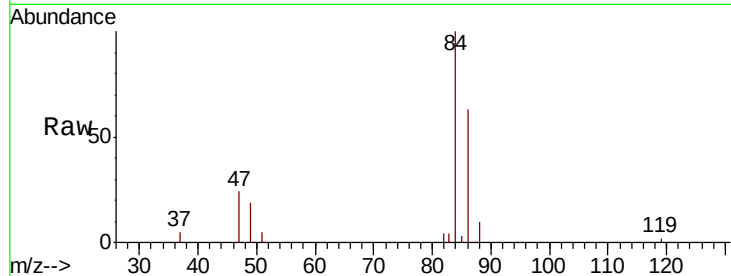




#25
Chloroform
Concen: 0.052 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041138.D
Acq: 09 Nov 2020 14:17

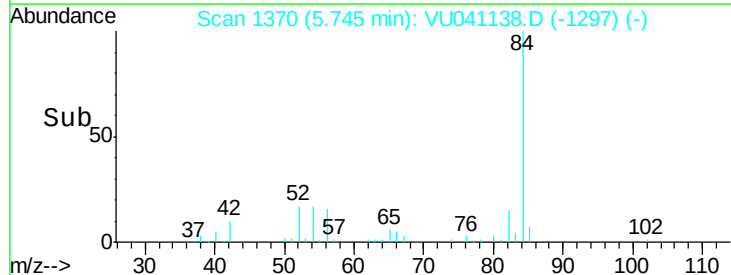
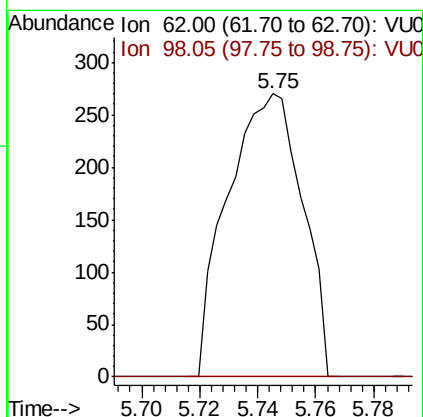
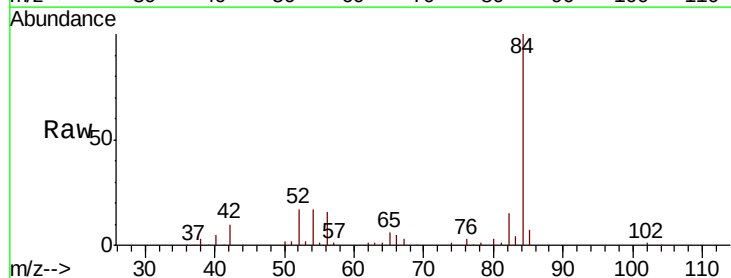
Instrument :
MSVOA_U
ClientSampleId :
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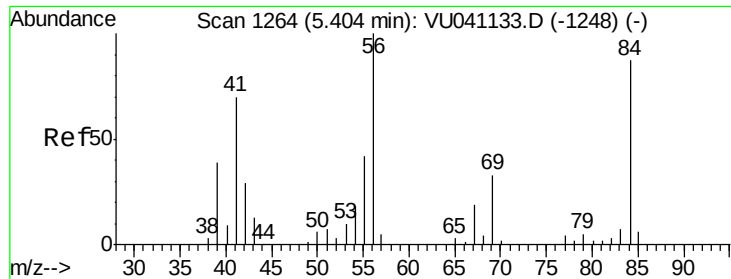
Tot Ion: 83 Resp: 403
Ion Ratio Lower Upper
83 100
85 86.7 46.1 85.7#



#27
1,2-Dichloroethane
Concen: 0.084 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041138.D
Acq: 09 Nov 2020 14:17

Tgt Ion: 62 Resp: 484
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

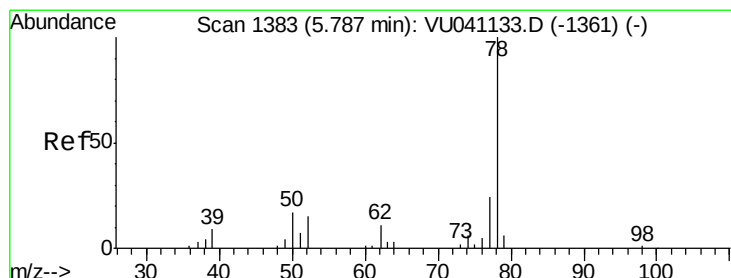
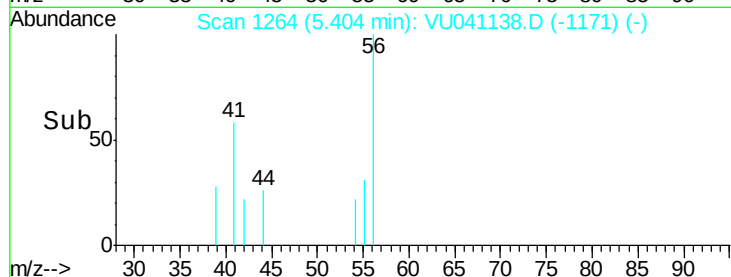
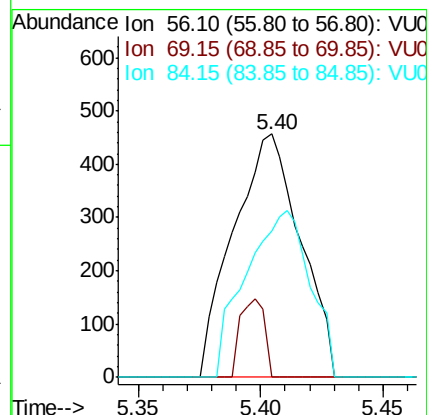
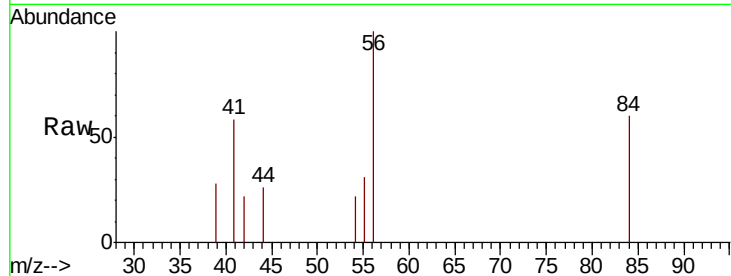




#30
Cyclohexane
Concen: 0.132 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041138.D
Acq: 09 Nov 2020 14:17

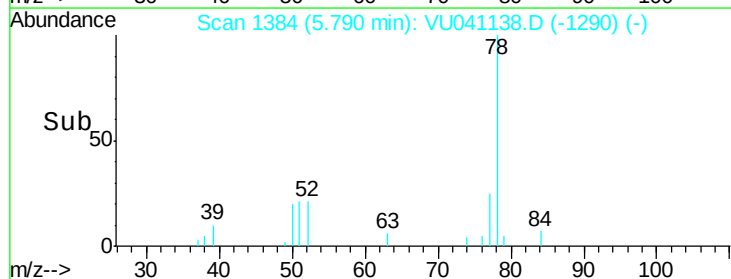
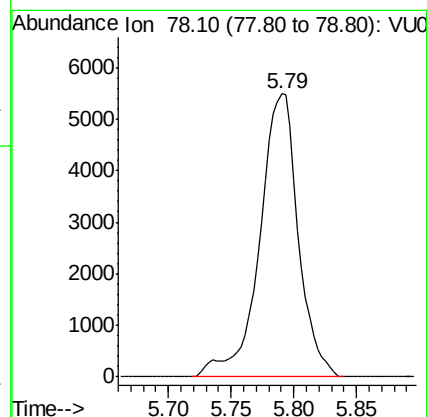
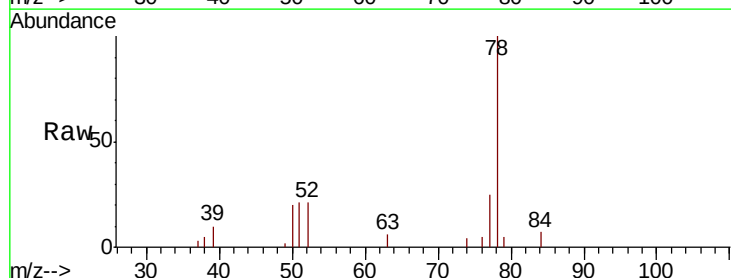
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ClientSampleId :
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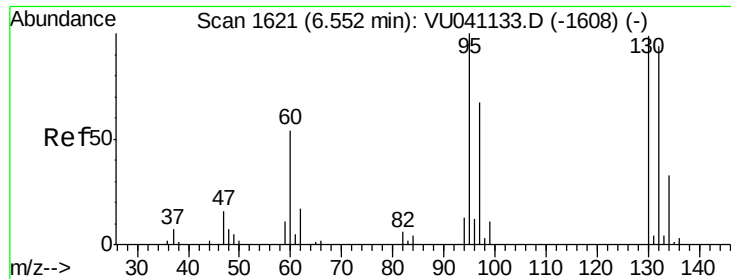
Tot Ion: 56 Resp: 869
Ion Ratio Lower Upper
56 100
69 11.6 22.8 34.2#
84 65.8 63.6 95.4



#33
Benzene
Concen: 0.721 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041138.D
Acq: 09 Nov 2020 14:17

Tgt Ion: 78 Resp: 11782

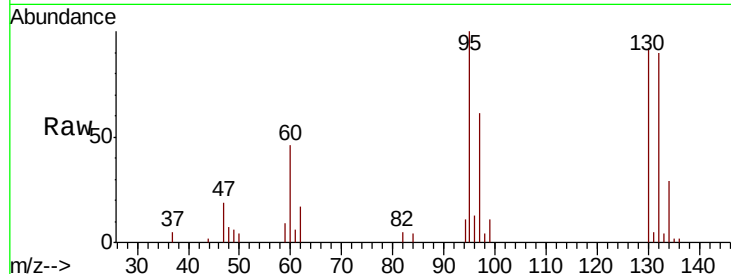




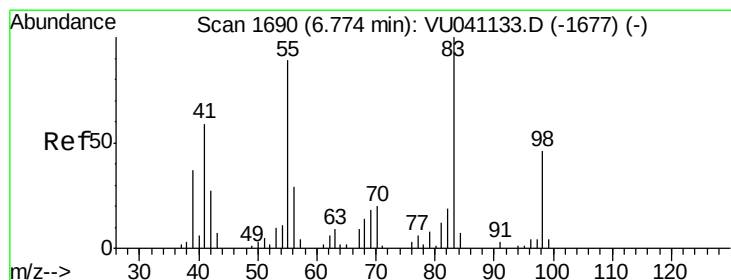
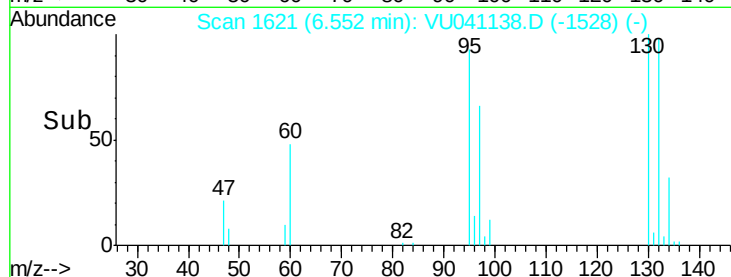
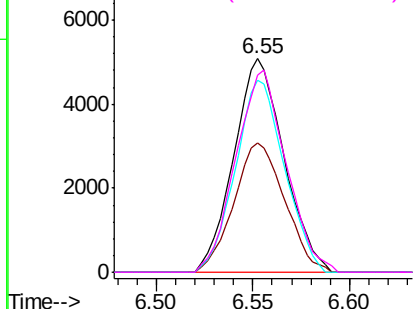
#34
 Trichloroethene
 Concen: 2.201 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041138.D
 Acq: 09 Nov 2020 14:17

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W5

Tot Ion: 95 Resp: 9160
 Ion Ratio Lower Upper
 95 100
 97 60.7 45.6 84.6
 132 89.9 64.8 120.4
 130 92.0 64.8 120.4

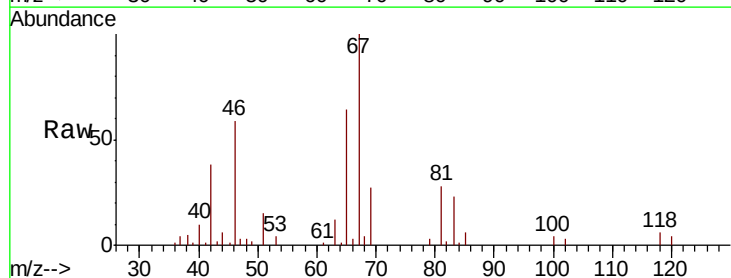


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

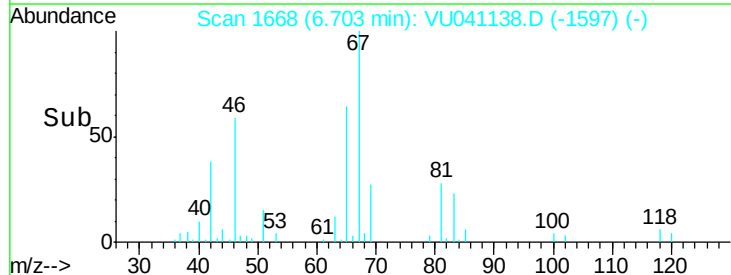
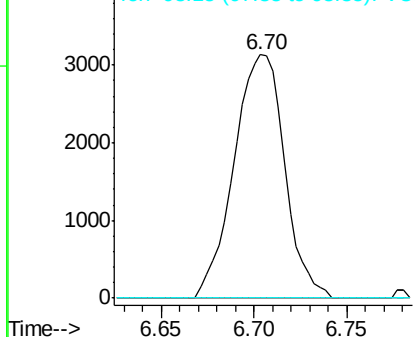


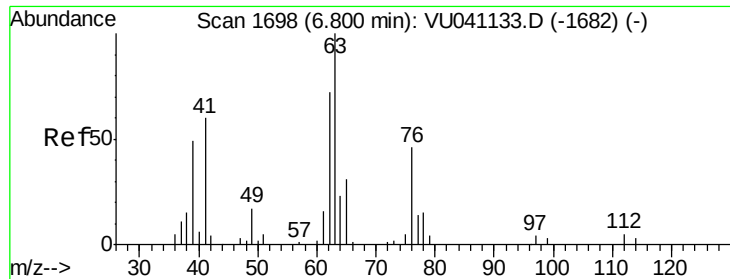
#35
 Methylcyclohexane
 Concen: 0.957 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041138.D
 Acq: 09 Nov 2020 14:17

Tgt Ion: 83 Resp: 5942
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 6.1 36.6 55.0#



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

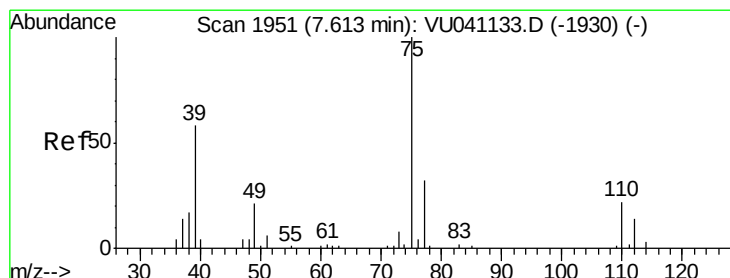
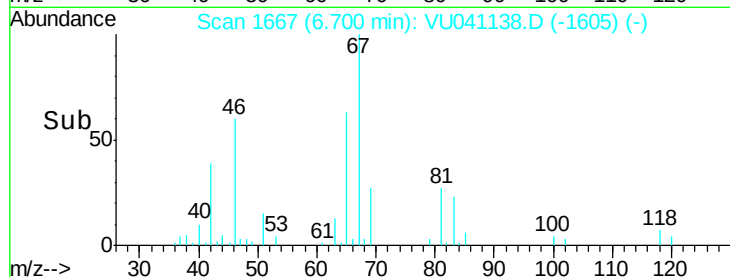
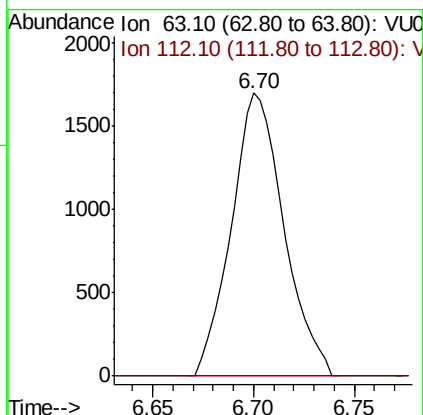
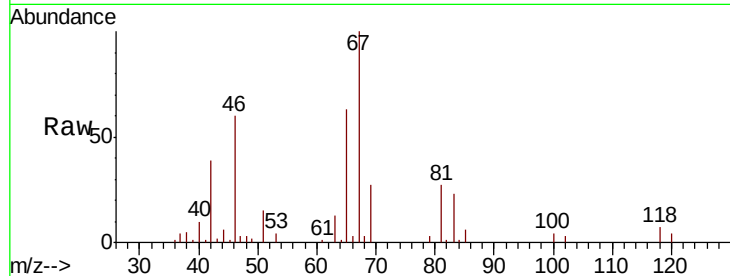




#37
 1,2-Dichloropropane
 Concen: 0.696 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041138.D
 Acq: 09 Nov 2020 14:17

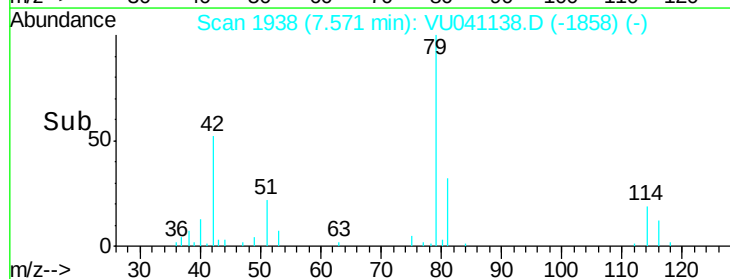
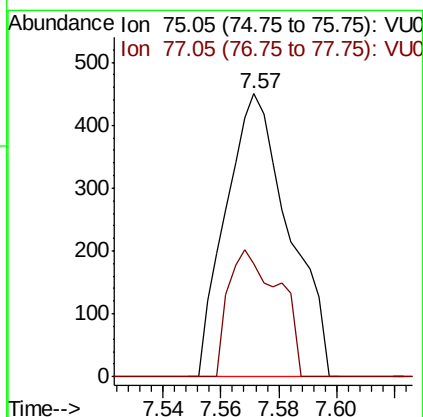
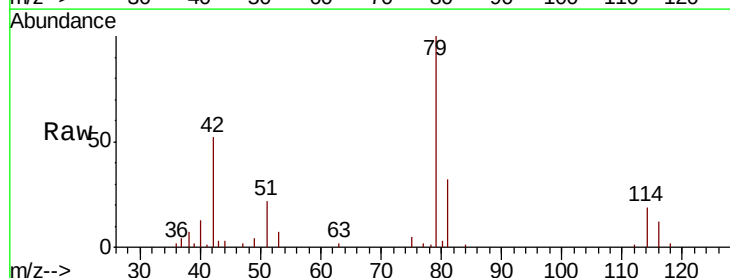
Instrument :
 MSVOA_U
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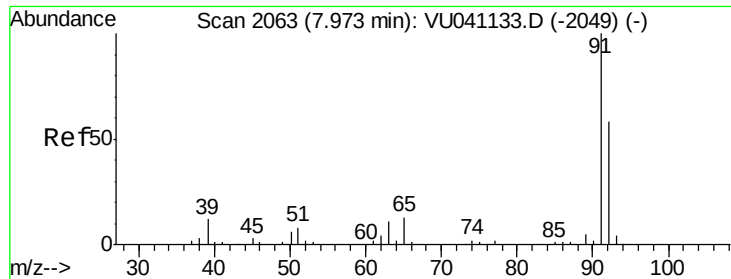
Tot Ion: 63 Resp: 3081
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041138.D
 Acq: 09 Nov 2020 14:17

Tgt Ion: 75 Resp: 678
 Ion Ratio Lower Upper
 75 100
 77 40.0 22.7 42.3





#42

Toluene

Concen: 0.070 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041138.D

Acq: 09 Nov 2020 14:17

Instrument :

MSVOA_U

ClientSampleId :

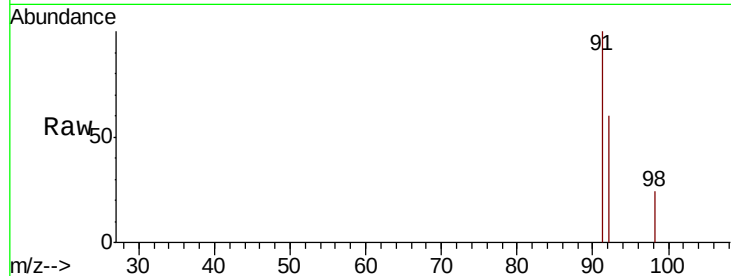
GB0W5

Tot Ion: 91 Resp: 1168

Ion Ratio Lower Upper

91 100

92 59.5 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

600

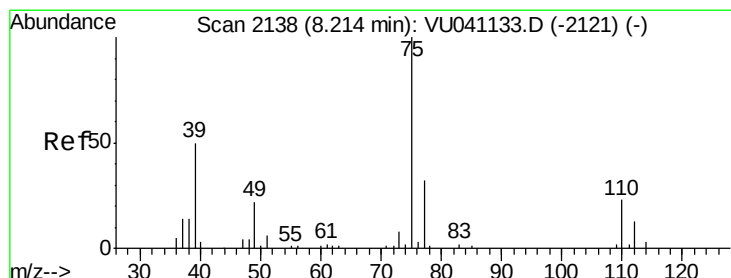
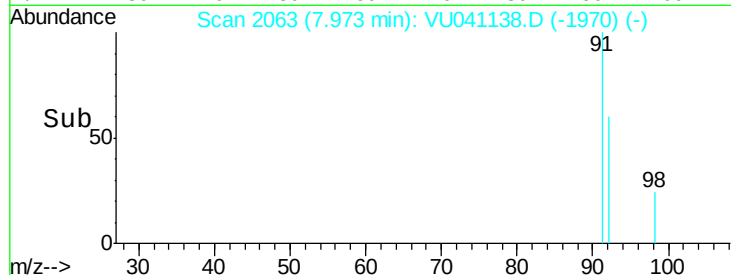
400

200

0

7.95 8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041138.D

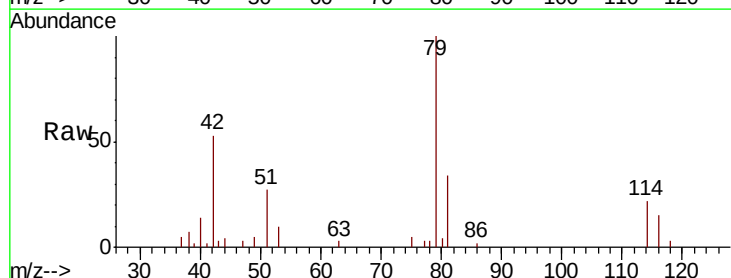
Acq: 09 Nov 2020 14:17

Tgt Ion: 75 Resp: 368

Ion Ratio Lower Upper

75 100

77 64.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

300

250

200

150

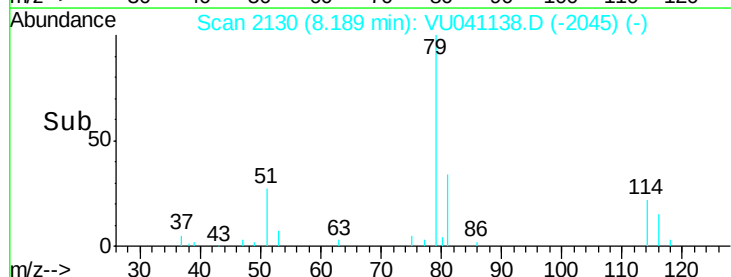
100

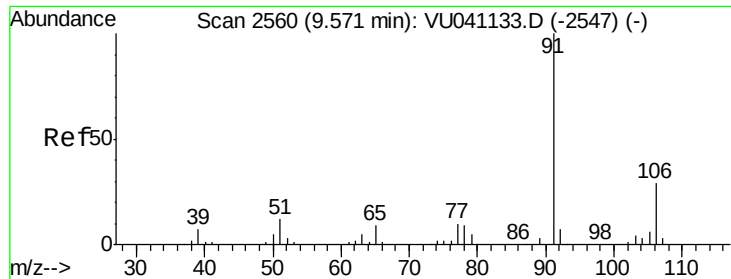
50

0

8.16 8.18 8.20

Time-->





#52

Ethylbenzene

Concen: 0.114 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041138.D

Acq: 09 Nov 2020 14:17

Instrument :

MSVOA_U

ClientSampleId :

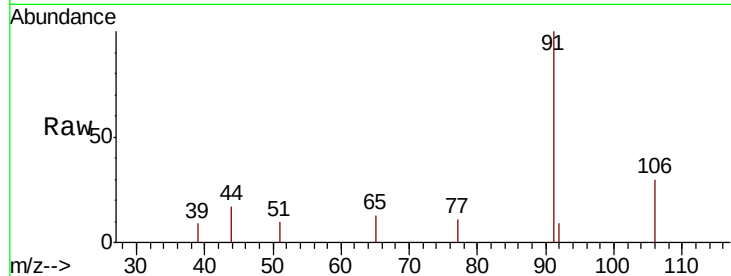
GB0W5

Tot Ion: 91 Resp: 1981

Ion Ratio Lower Upper

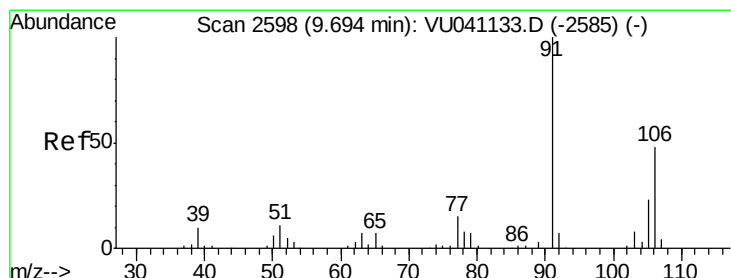
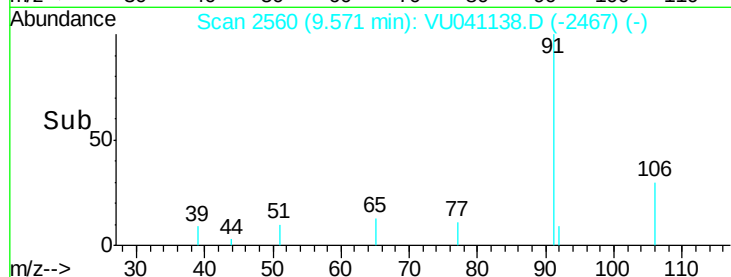
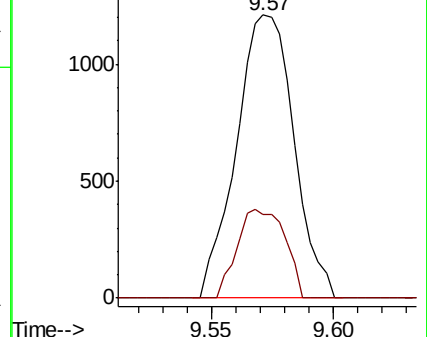
91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041138.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041138.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.992 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041138.D

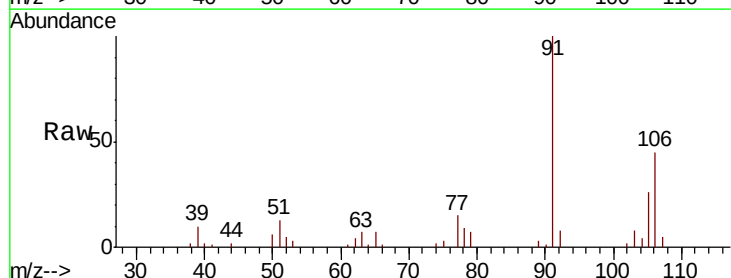
Acq: 09 Nov 2020 14:17

Tgt Ion: 106 Resp: 6314

Ion Ratio Lower Upper

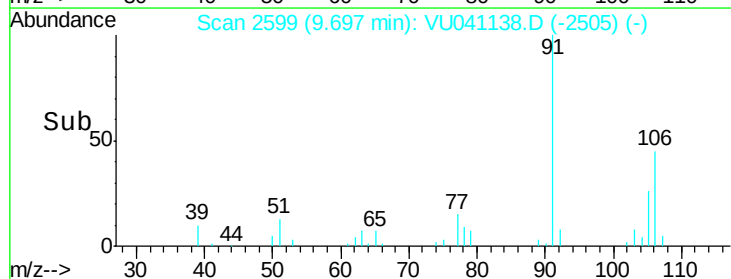
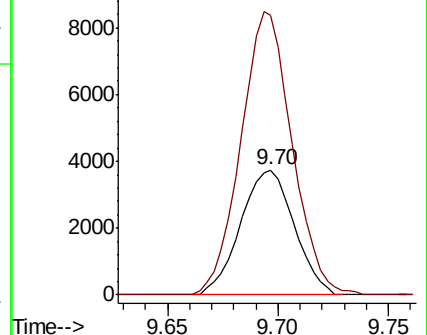
106 100

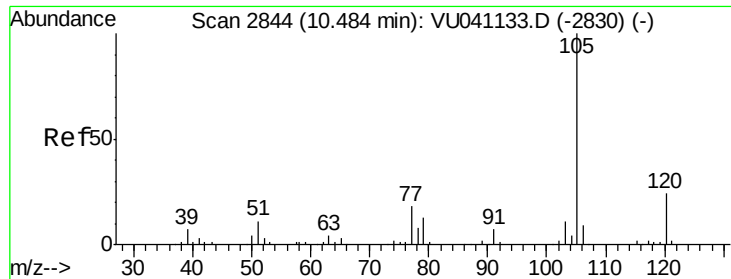
91 223.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041138.D (-2598) (-)

Ion 91.15 (90.85 to 91.85): VU041138.D (-2598) (-)





#56

Isopropylbenzene

Concen: 0.090 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041138.D

Acq: 09 Nov 2020 14:17

Instrument :

MSVOA_U

ClientSampleId :

GB0W5

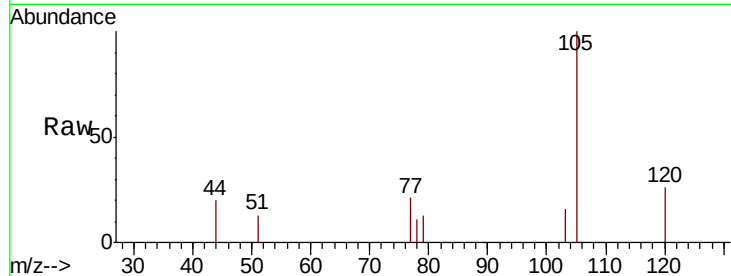
Tot Ion:105 Resp: 1435

Ion Ratio Lower Upper

105 100

120 20.4 20.7 31.1#

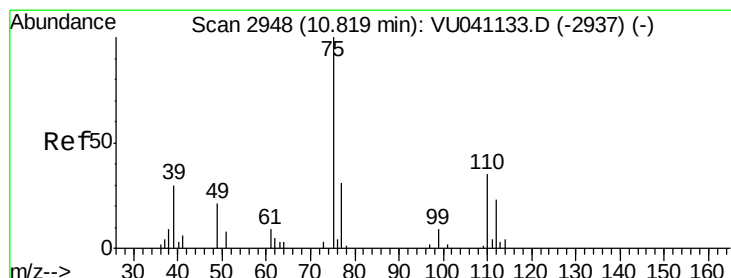
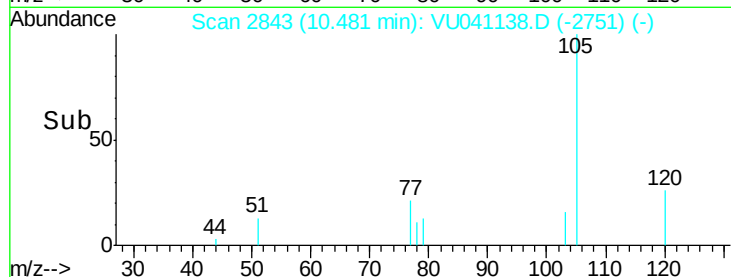
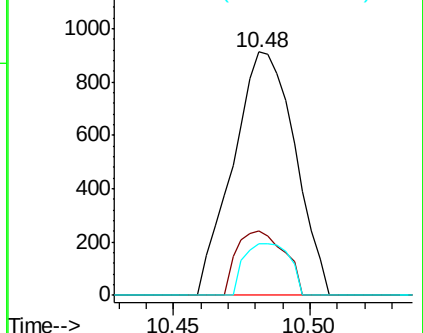
77 15.5 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.008 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041138.D

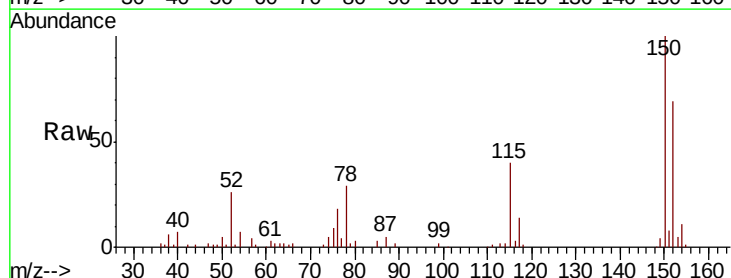
Acq: 09 Nov 2020 14:17

Tgt Ion: 75 Resp: 3325

Ion Ratio Lower Upper

75 100

77 41.3 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

