

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041151.D
 Acq On : 09 Nov 2020 19:14
 Operator : SY/MD
 Sample : L4646-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W2

Quant Time: Nov 10 01:14:49 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	65909	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30410	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.59	65	16918	3.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.00%
7) Chloroethane-d5	1.91	69	16546	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.57	63	29013	2.67	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.40%#
20) 2-Butanone-d5	4.74	46	76326	41.86	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.72%
24) Chloroform-d	5.08	84	45878	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	28267	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.74	84	82458	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	29684	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.90	98	67854	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	10838	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.65	63	61031	46.90	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	25979	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	31253	5.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.60	62	334	0.054	ug/L #	1
14) Carbon disulfide	2.79	76	672	0.043	ug/L #	67
22) cis-1,2-Dichloroethene	4.68	96	3469	0.711	ug/L	99
25) Chloroform	5.11	83	915	0.096	ug/L	97
30) Cyclohexane	5.39	56	1813	0.235	ug/L	98
33) Benzene	5.78	78	14276	0.746	ug/L	100
34) Trichloroethene	6.55	95	19607	4.027	ug/L	97
35) Methylcyclohexane	6.76	83	760	0.105	ug/L #	87
37) 1,2-Dichloropropane	6.70	63	3557	0.687	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	790	0.111	ug/L #	38
42) Toluene	7.97	91	818	0.042	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	459	0.069	ug/L #	72
48) 2-Hexanone	8.71	43	2687	0.864	ug/L #	70
52) Ethylbenzene	9.57	91	1292	0.063	ug/L	93
53) m,p-Xylene	9.69	106	4282	0.575	ug/L	97
56) Isopropylbenzene	10.48	105	1631	0.087	ug/L #	87
59) 1,2,3-Trichloropropane	11.81	75	4202	1.089	ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration

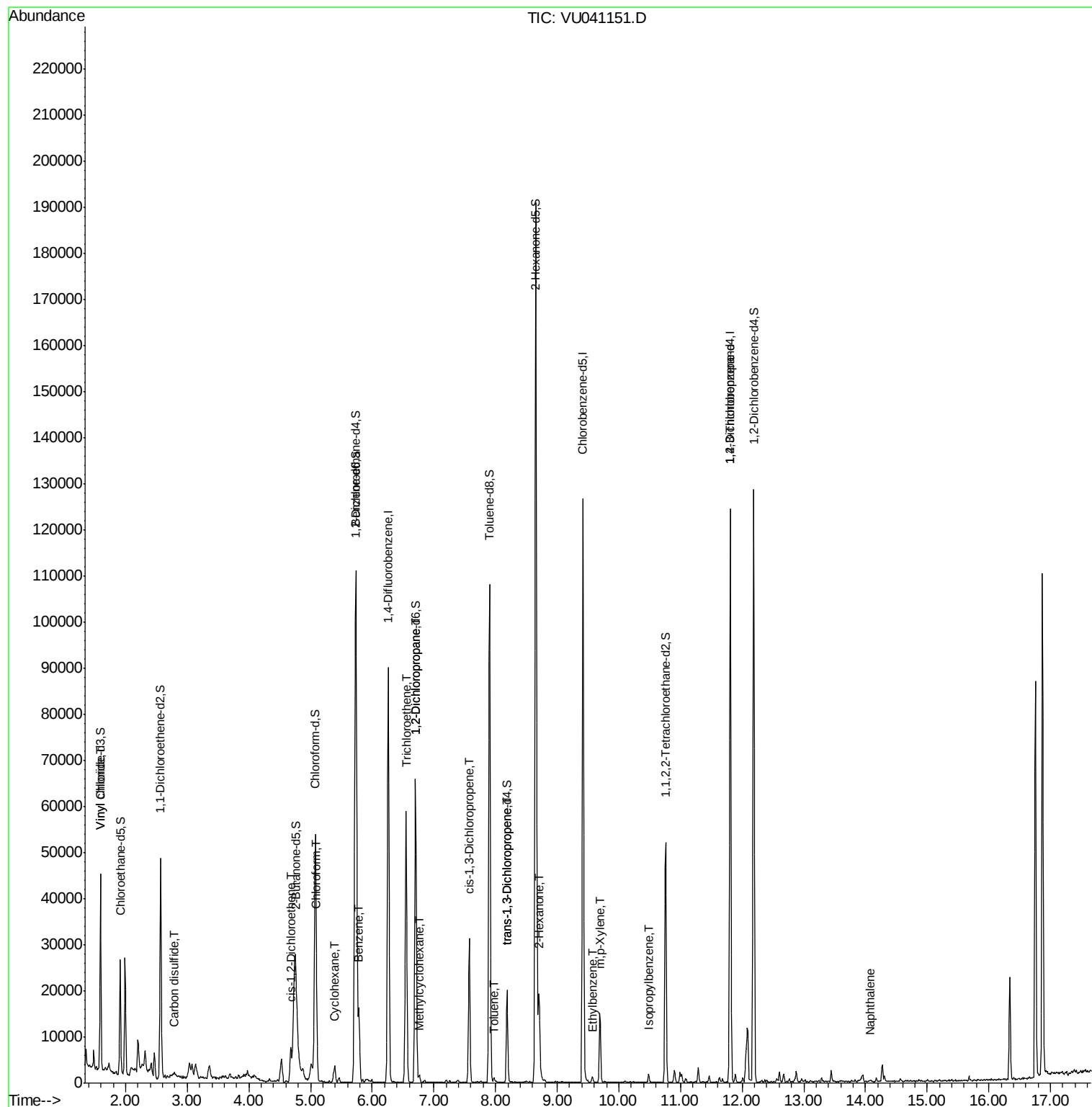
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.08	128	580	0.064	ug/L #	69
-----	-----	-----	-----	-----	-----	-----

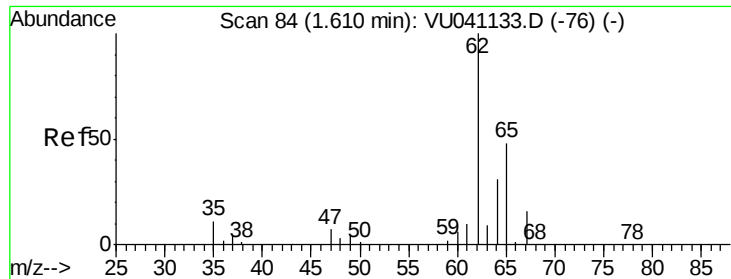
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.054 ug/L

RT: 1.60 min Scan# 80

Delta R.T. -0.01 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

Instrument :

MSVOA_U

ClientSampled :

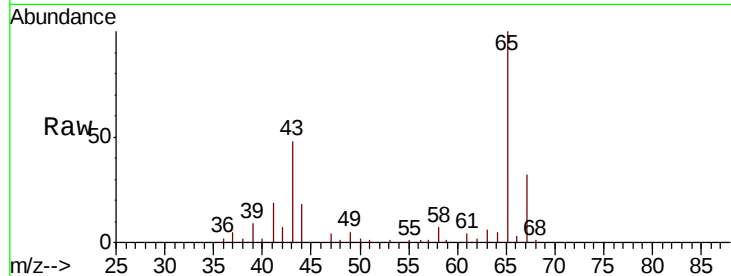
GB0W2

Tot Ion: 62.00 Resp: 334

Ion Ratio Lower Upper

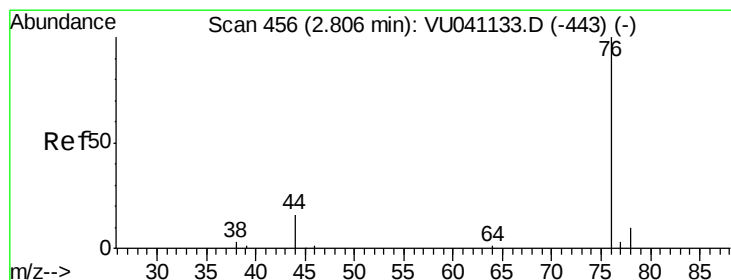
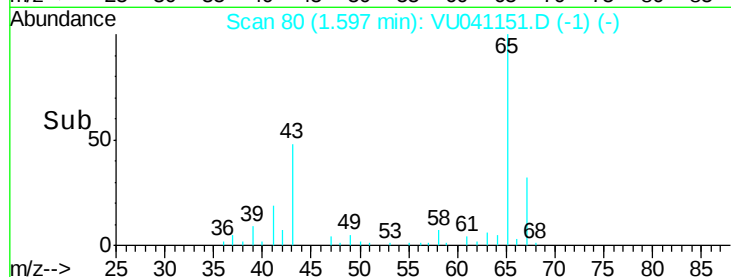
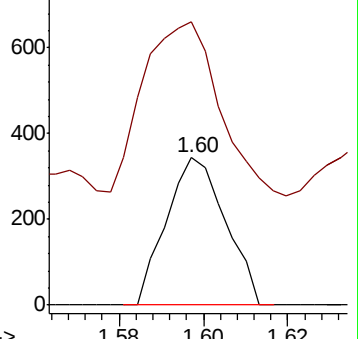
62 100

64 191.9 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#14

Carbon disulfide

Concen: 0.043 ug/L

RT: 2.79 min Scan# 451

Delta R.T. -0.02 min

Lab File: VU041151.D

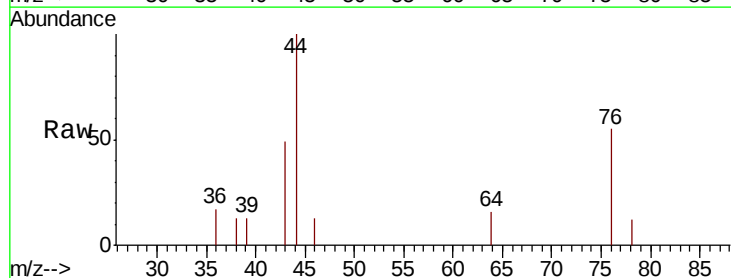
Acq: 09 Nov 2020 19:14

Tgt Ion: 76 Resp: 672

Ion Ratio Lower Upper

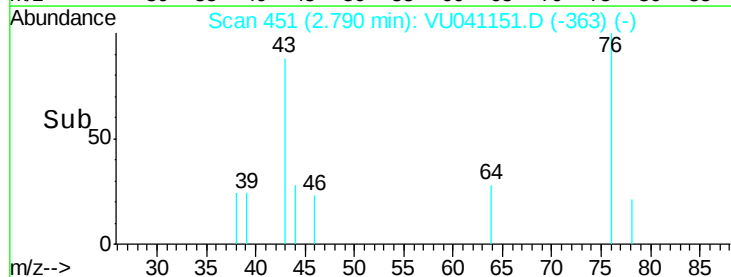
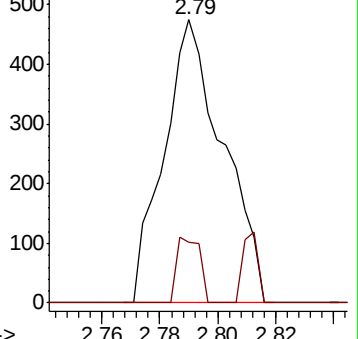
76 100

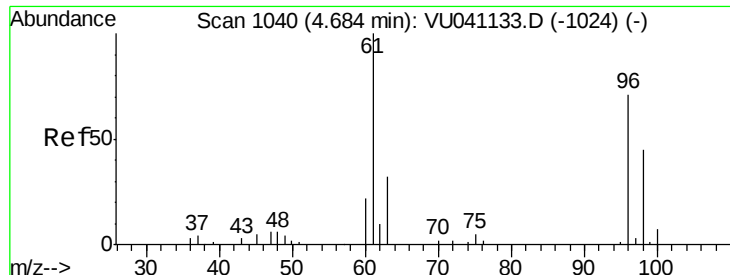
78 21.3 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.711 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

Instrument :

MSVOA_U

ClientSampleId :

GB0W2

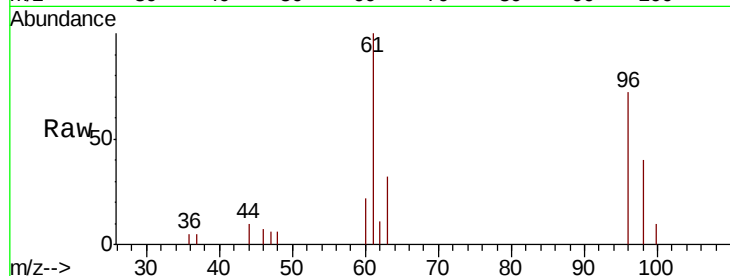
Tot Ion: 96 Resp: 3469

Ion Ratio Lower Upper

96 100

61 138.0 97.2 180.4

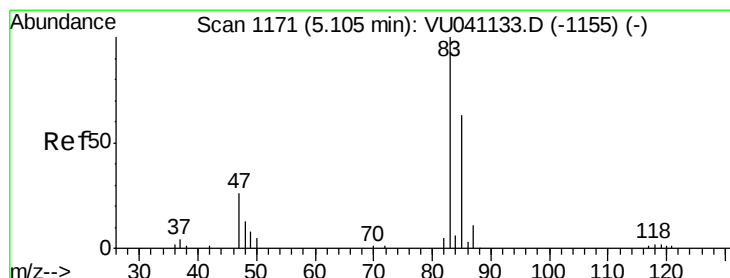
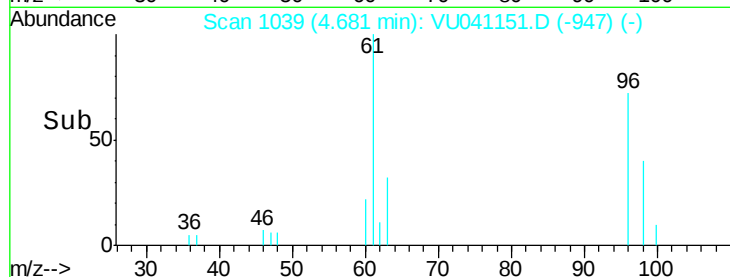
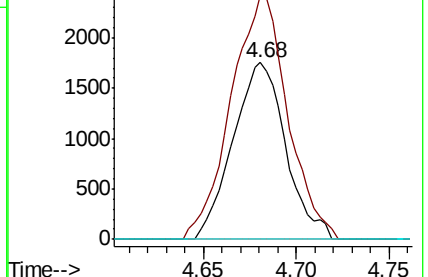
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041151.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041151.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041151.D (-1024) (-)



#25

Chloroform

Concen: 0.096 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041151.D

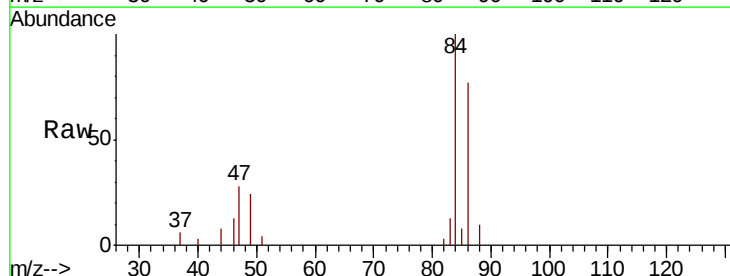
Acq: 09 Nov 2020 19:14

Tgt Ion: 83 Resp: 915

Ion Ratio Lower Upper

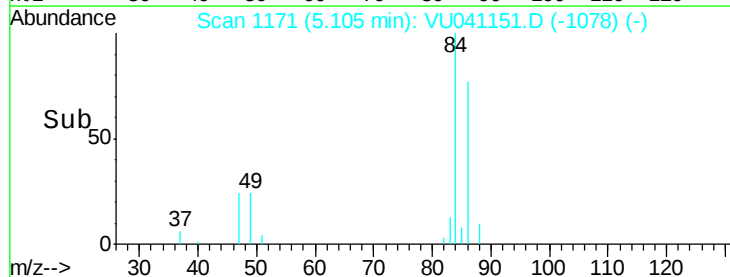
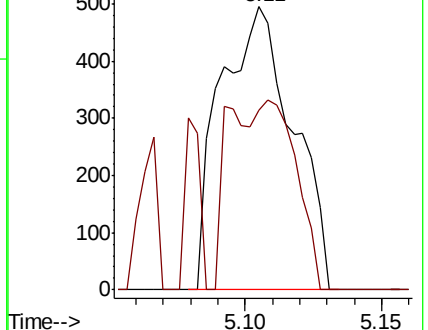
83 100

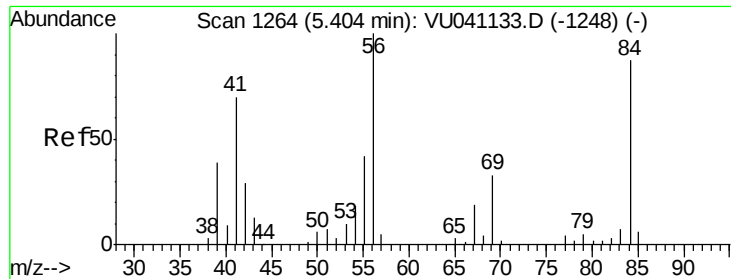
85 63.4 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041151.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041151.D (-1155) (-)

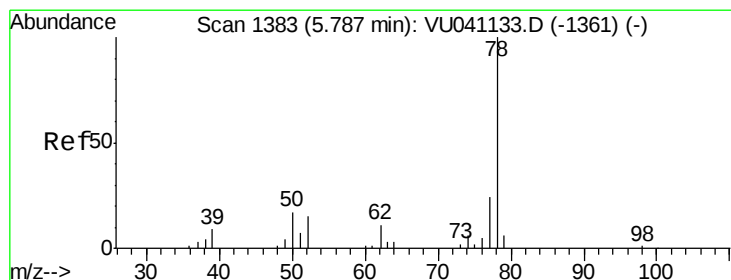
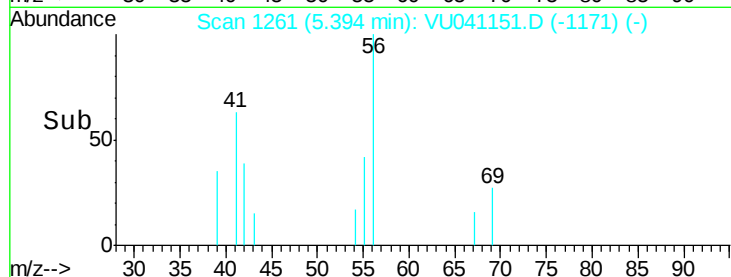
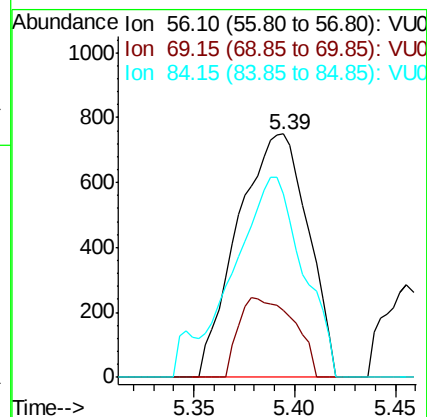
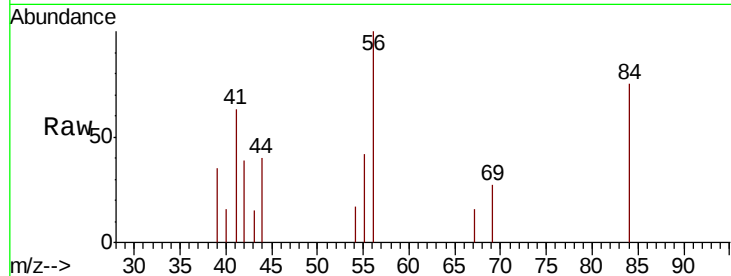




#30
Cyclohexane
Concen: 0.235 ug/L
RT: 5.39 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VU041151.D
Acq: 09 Nov 2020 19:14

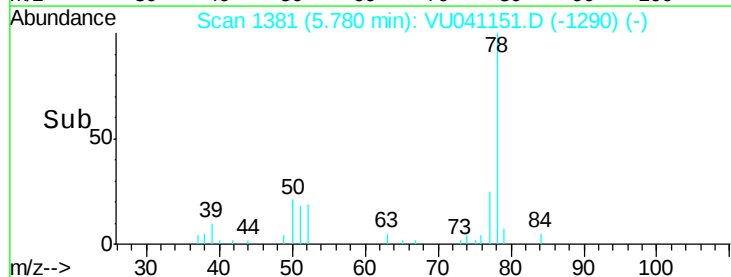
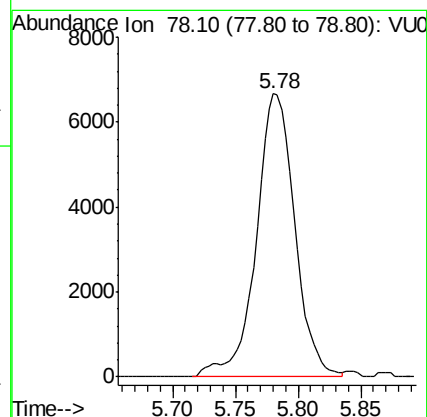
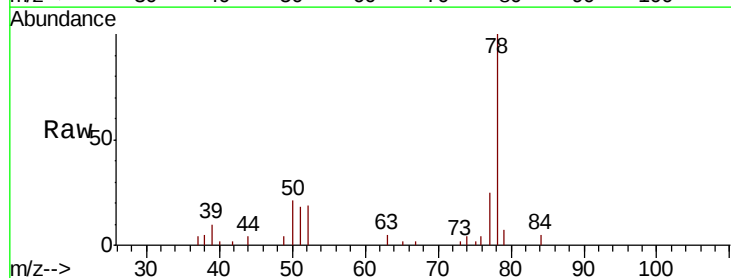
Instrument :
MSVOA_U
ClientSampleId :
GB0W2

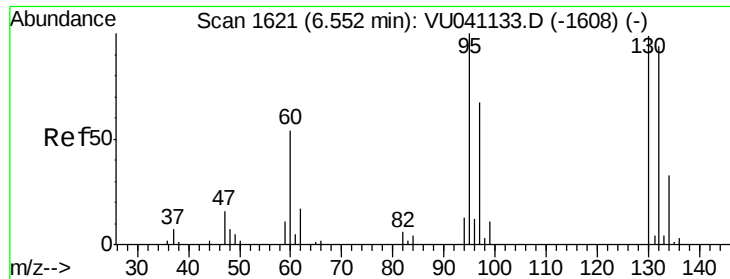
Tot Ion: 56 Resp: 1813
Ion Ratio Lower Upper
56 100
69 25.9 22.8 34.2
84 78.2 63.6 95.4



#33
Benzene
Concen: 0.746 ug/L
RT: 5.78 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VU041151.D
Acq: 09 Nov 2020 19:14

Tgt Ion: 78 Resp: 14276





#34

Trichloroethene

Concen: 4.027 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

Instrument :

MSVOA_U

ClientSampleId :

GB0W2

Tot Ion: 95 Resp: 19607

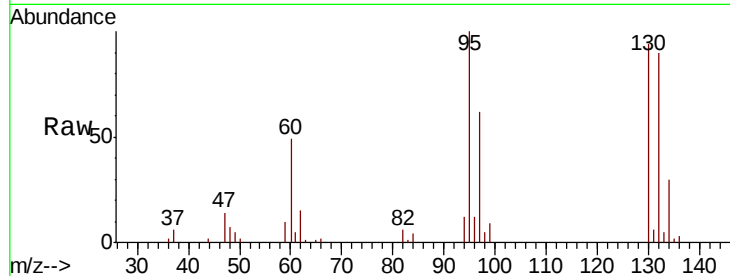
Ion Ratio Lower Upper

95 100

97 62.0 45.6 84.6

132 89.7 64.8 120.4

130 93.8 64.8 120.4

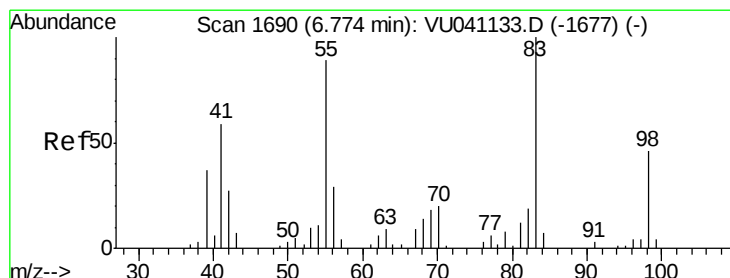
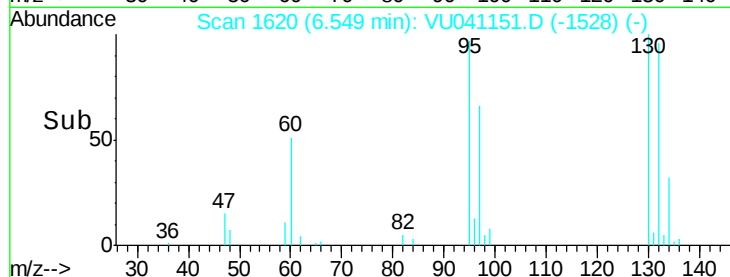
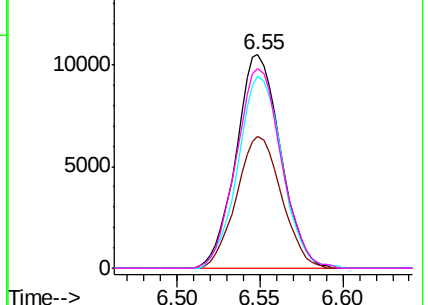


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.105 ug/L

RT: 6.76 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

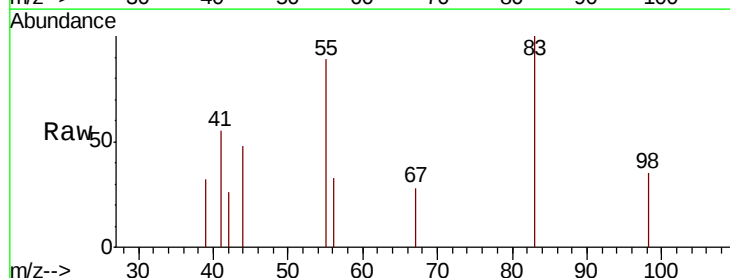
Tgt Ion: 83 Resp: 760

Ion Ratio Lower Upper

83 100

55 89.5 72.0 108.0

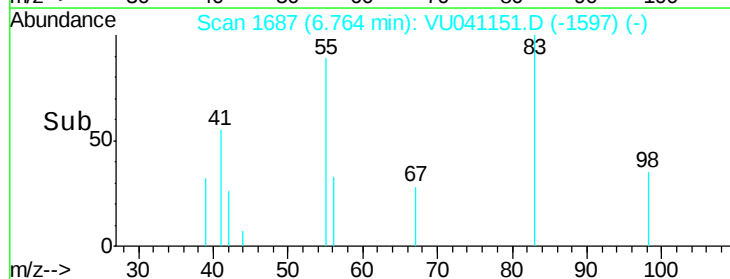
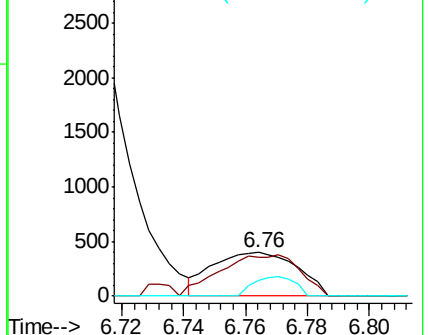
98 21.8 36.6 55.0#

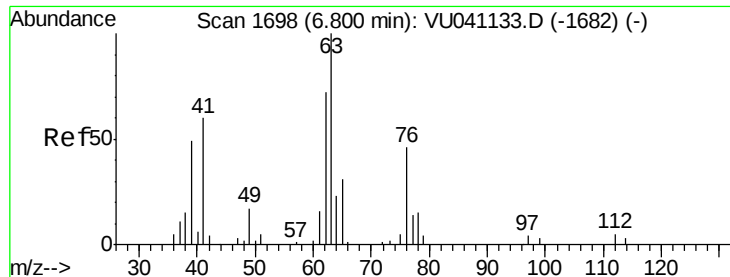


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

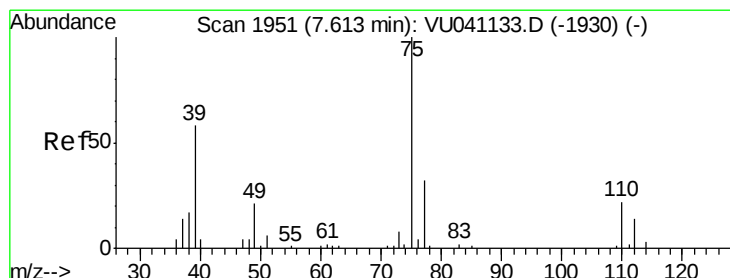
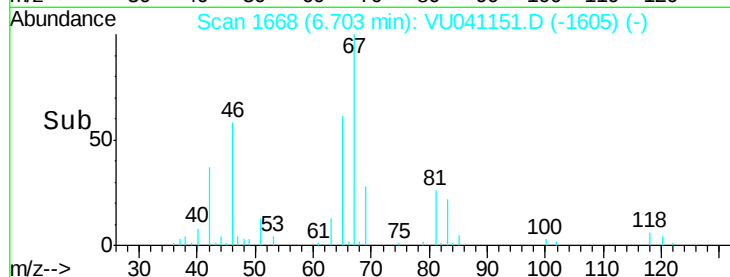
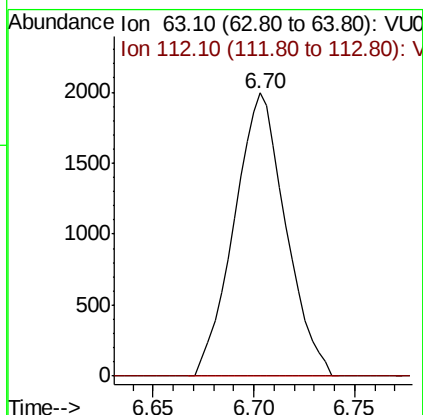
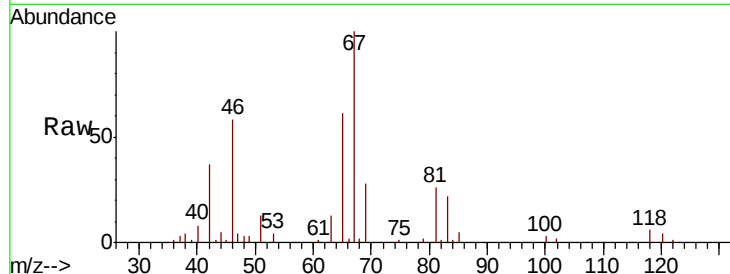




#37
 1,2-Dichloropropane
 Concen: 0.687 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041151.D
 Acq: 09 Nov 2020 19:14

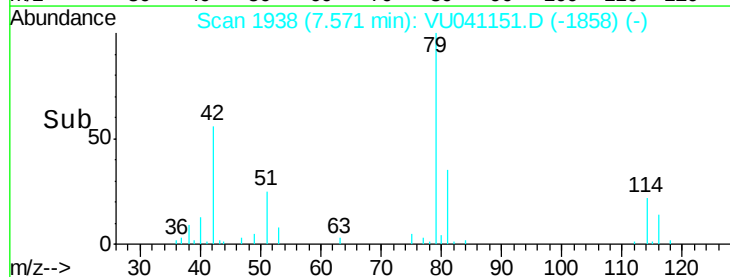
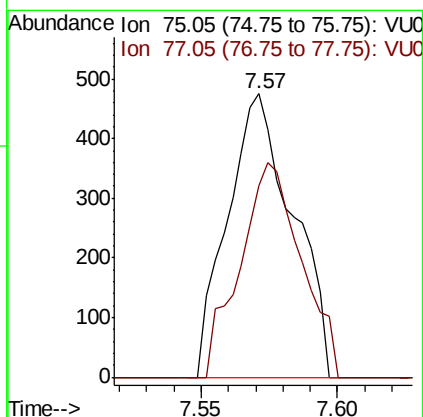
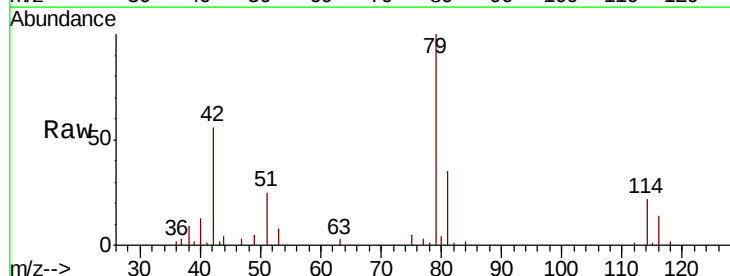
Instrument :
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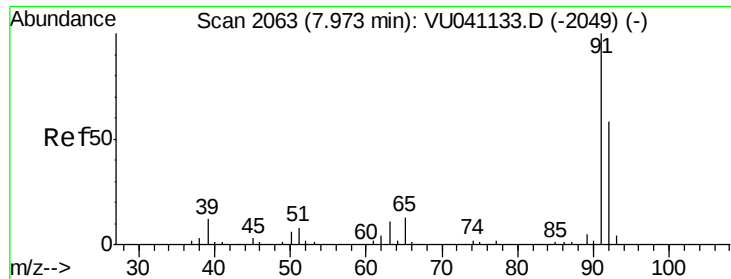
Tot Ion: 63 Resp: 3557
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041151.D
 Acq: 09 Nov 2020 19:14

Tgt Ion: 75 Resp: 790
 Ion Ratio Lower Upper
 75 100
 77 67.4 22.7 42.3#





#42

Toluene

Concen: 0.042 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

Instrument :

MSVOA_U

ClientSampleId :

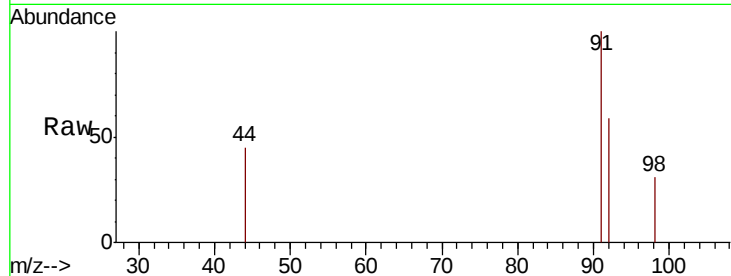
GB0W2

Tot Ion: 91 Resp: 818

Ion Ratio Lower Upper

91 100

92 59.3 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

500

400

300

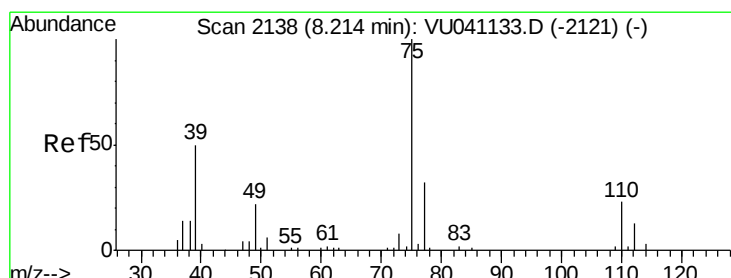
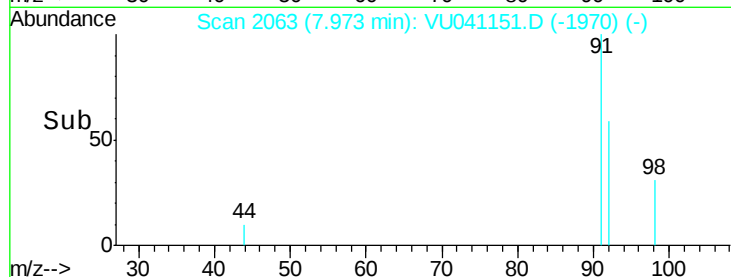
200

100

0

7.94 7.96 7.98 8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041151.D

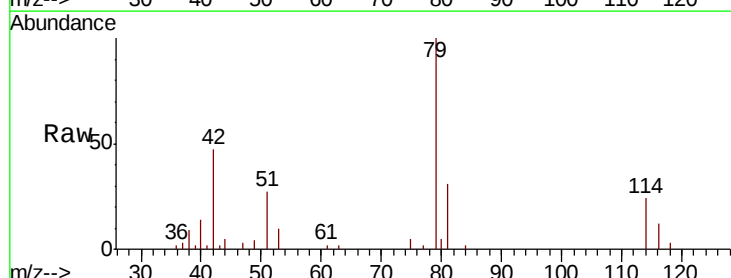
Acq: 09 Nov 2020 19:14

Tgt Ion: 75 Resp: 459

Ion Ratio Lower Upper

75 100

77 49.3 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

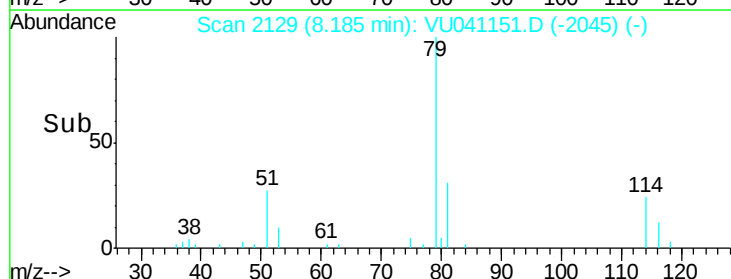
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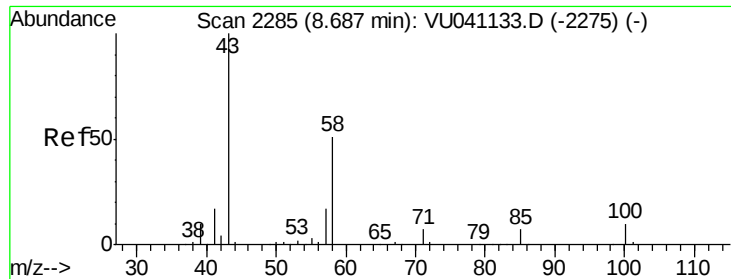
100

0

8.16 8.18 8.20 8.22

Time-->

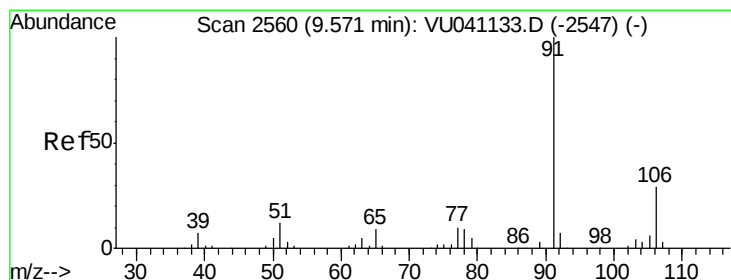
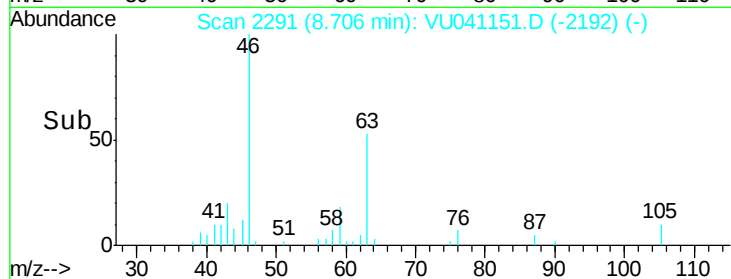
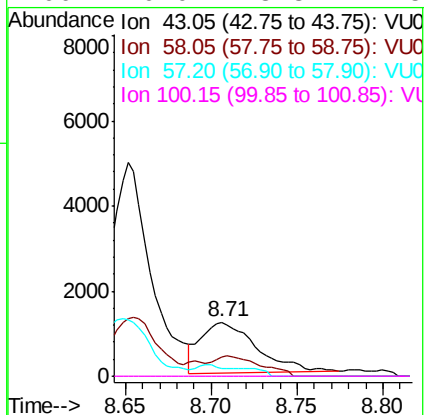
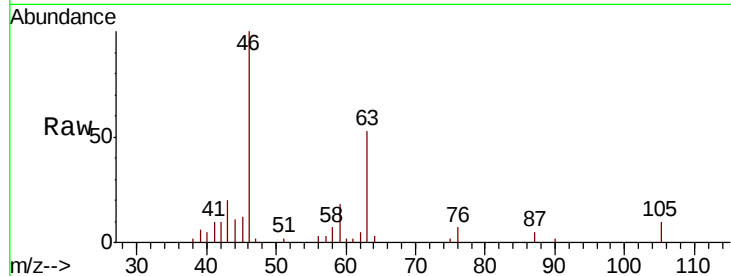




#48
2-Hexanone
Concen: 0.864 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VU041151.D
Acq: 09 Nov 2020 19:14

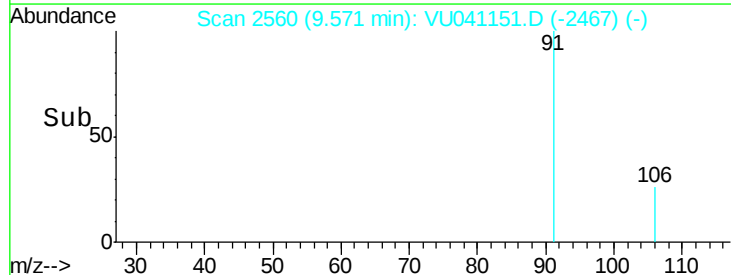
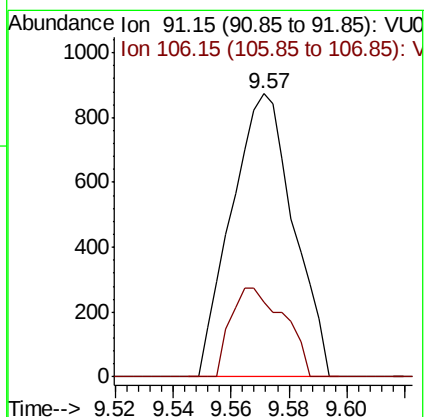
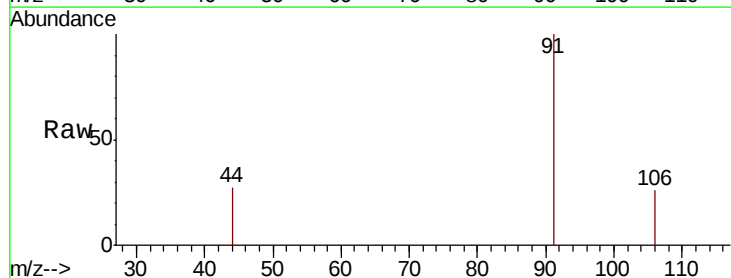
Instrument :
MSVOA_U
ClientSampleId :
GB0W2

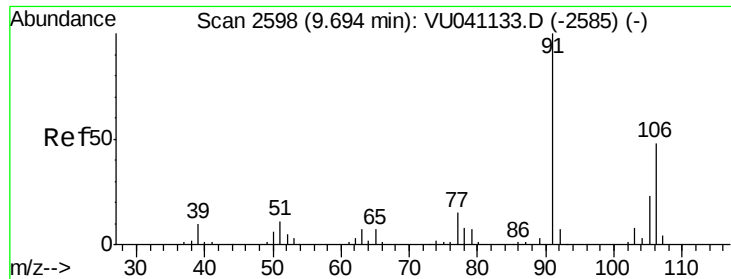
Tot Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
58 33.6 41.4 62.2#
57 0.0 14.6 21.8#
100 0.0 8.3 12.5#



#52
Ethylbenzene
Concen: 0.063 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041151.D
Acq: 09 Nov 2020 19:14

Tgt Ion: 91 Resp: 1292
Ion Ratio Lower Upper
91 100
106 26.2 21.0 39.0





#53

m,p-Xylene

Concen: 0.575 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

Instrument :

MSVOA_U

ClientSampled :

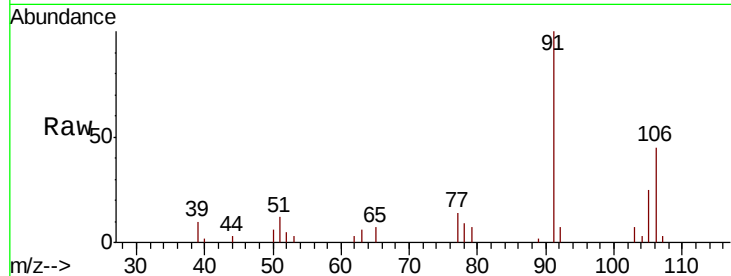
GB0W2

Tot Ion:106 Resp: 4282

Ion Ratio Lower Upper

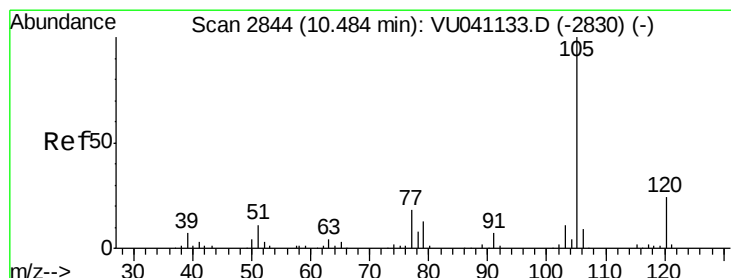
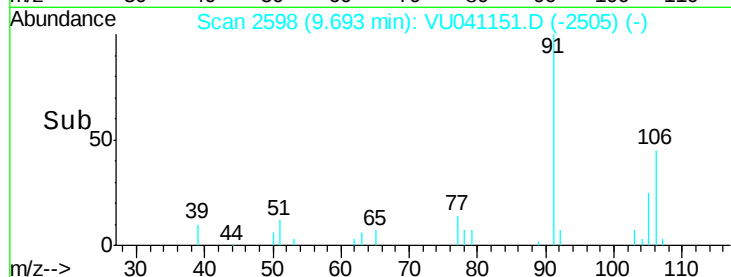
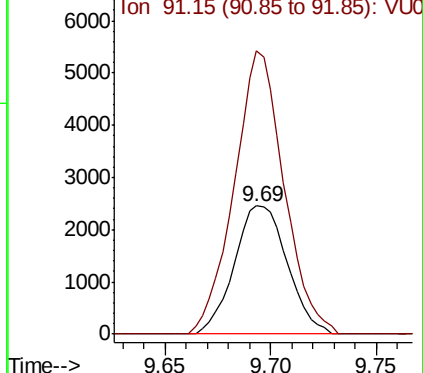
106 100

91 221.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.087 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041151.D

Acq: 09 Nov 2020 19:14

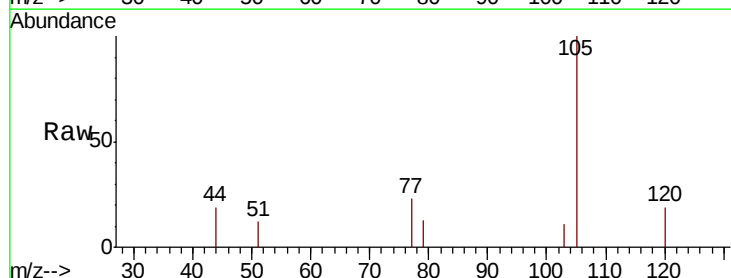
Tgt Ion:105 Resp: 1631

Ion Ratio Lower Upper

105 100

120 16.0 20.7 31.1#

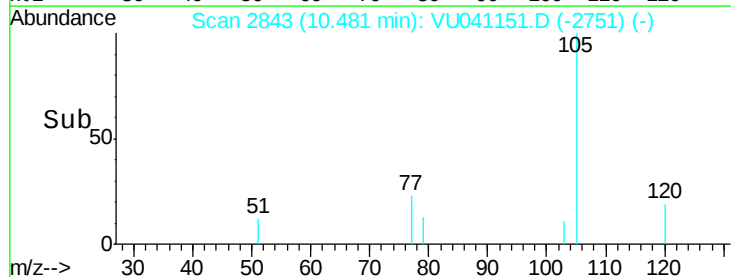
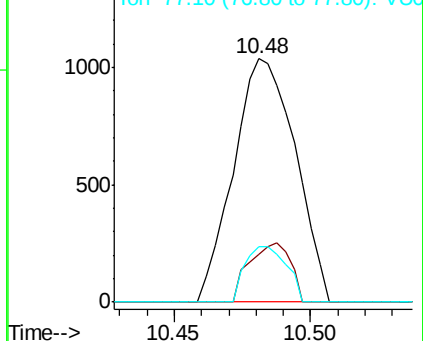
77 15.3 13.8 20.6

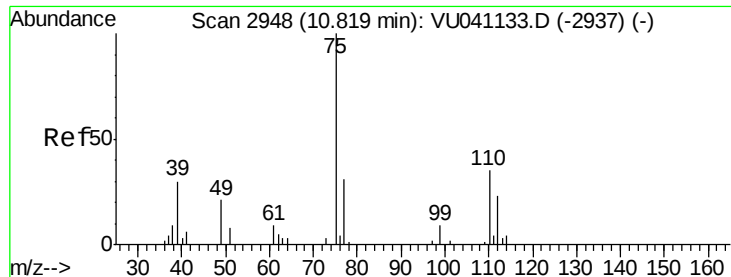


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

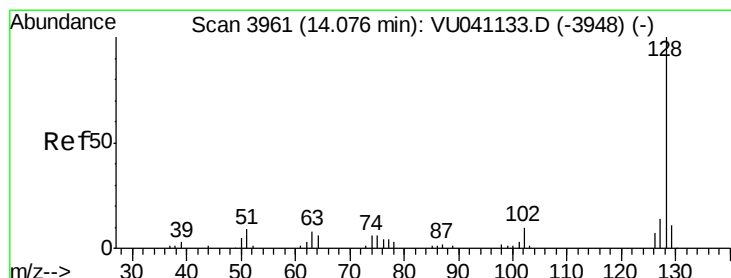
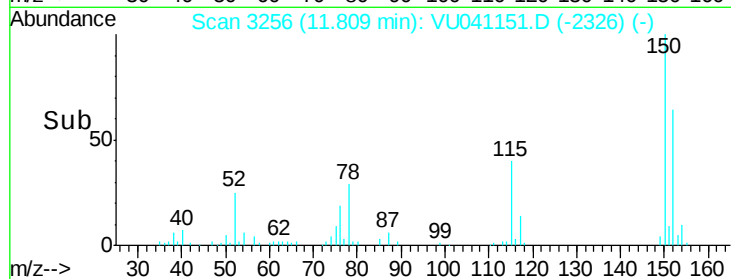
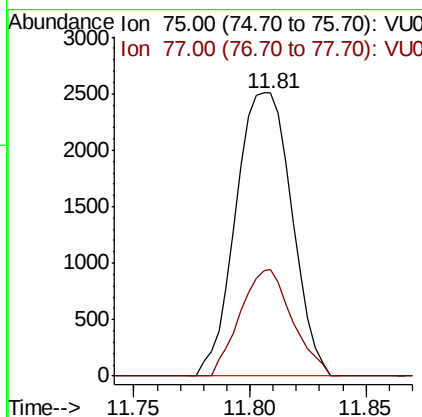
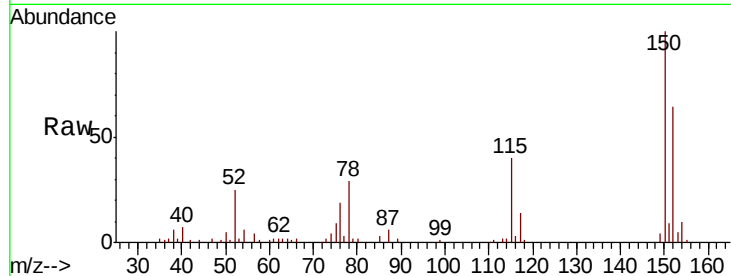




#59
 1,2,3-Trichloropropane
 Concen: 1.089 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU041151.D
 Acq: 09 Nov 2020 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W2

Tot Ion: 75 Resp: 4202
 Ion Ratio Lower Upper
 75 100
 77 35.2 25.7 38.5



#69
 Naphthalene
 Concen: 0.064 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. -0.00 min
 Lab File: VU041151.D
 Acq: 09 Nov 2020 19:14

Tgt Ion: 128 Resp: 580
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.7 13.1#
 127 0.0 10.8 16.2#

